

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY26 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Information Technology	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Fiber Over Lash Phase 4	<b>Total Project Cost:</b>	250,000

**Department/Division Head:** Joseph Young

**Check if project is:**    New ☐    Resubmitted ☐                      **Cost estimate was developed:** Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

\_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY27</i>	250,000	
<i>Labor and Materials</i>			<i>FY28</i>		
<i>Administration</i>			<i>FY29</i>		
<i>Land Acquisition</i>			<i>FY30</i>		
<i>Equipment</i>			<i>FY31</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	250,000				

**Project Justification and Objective:** This project will be phased over several years, total project cost is \$1,517,316.13. We have reached capacity with our current Infrastructure.

The increasing demands for building-to-building connectivity, especially for public safety radio and security, requires us to add to our Municipal Network

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☒      No ☐

Can this project be phased over more than one fiscal year?      Yes ☐      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**



## Information Technology Capital FY 2026

### Fiber Network Expansion Year 4 \$250,000

This project will be phased over several years, total project cost is \$1,517,316.13. We have reached capacity with our current Infrastructure. The increasing demands for building-to-building connectivity, especially for public safety radio and security, requires us to add to our Municipal Network. This \$250,000 request will complete this project.

### Laserfiche Upgrade and Expansion and Records Digitization Year 4 \$287,482

This project will be phased over several years, total project cost is \$ 1,892,993.36. Digitization and indexing of permanent Town records will promote social distancing and remote access which will protect town employees, residents, and businesses. It will also strengthen local businesses' ability to conduct business transactions during any health and emergency issues such as pandemics.

To date we have configured Laserfiche software to connect with Open Gov and will be finishing up with Inspectional records this year. Year 4 request is being reduced by \$115,300.54 as HR decided to scan their files manually. We are requesting \$287,482 to complete this project

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY26 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Information Technology	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Document Digitization Phase 4	<b>Total Project Cost:</b>	287,482

**Department/Division Head:** Joseph Young

**Check if project is:**    New ☒    Resubmitted ☐    **Cost estimate was developed:** Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

\_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY27	287,482	
<i>Labor and Materials</i>			FY28		
<i>Administration</i>			FY29		
<i>Land Acquisition</i>			FY30		
<i>Equipment</i>			FY31		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>		287,482			

**Project Justification and Objective:** This is Phase 3 of Document Digitization Project. We are scanning all paper documents and storing them electronically.

\_\_\_\_\_

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan    Yes ☒    No ☐  
Can this project be phased over more than one fiscal year?    Yes ☐    No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

## Information Technology Capital FY 2026

### Fiber Network Expansion Year 4 \$250,000

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To date we have configured Laserfiche software to connect with Open Gov and will be finishing up with Inspectional records this year. Year 4 request is being reduced by \$115,300.54 as HR decided to scan their files manually. We are requesting \$287,482 to complete this project

FY24 (Building Dept)	Price	FY25 (Building Dept)	Price
Closed Certs	\$ 2,419.20	Up to 11"x17" scans @\$0.105 (560,000 pages)	\$ 58,800.00
Rolled Plans	\$ 186,513.12	Large Format scans @\$2.45 (54,000 pages)	\$ 132,300.00
Permits 1941-1972 (13,544 permits)	\$ 19,811.17	Pick-Up	\$ 4,000.00
Permits 1997-2022 (54,772 permits)	\$ 240,538.71	Boxes Held Over 60 Days	\$ 26.52
Laserfiche Upgrade	\$ 68,742.45	Destruction	\$ 2,325.00
One-Time Set-Up	\$ 12,185.56	Keying/Indexing	\$ 6,059.48
Pick-Up	\$ 2,127.64	Processing/Upload	\$ 68,800.00
Return	\$ 2,127.64	Document Retrieval	\$ 9,792.00
Boxes Held Over 30 Days	\$ 26.52	Document Prep	\$ 18,740.00
Destruction	\$ 3,647.37	Special Handling	\$ 10,850.00
Keying/Indexing	\$ 5,123.92	Post Scanning Processing	\$ 9,920.00
Processing/Upload	\$ 57,307.89	Project Management	\$ 72,200.00
Delivery Fee	\$ 1,243.42	Microfilm Conversion	\$ 11,285.00
Project Management	\$ 2,865.40	<b>Total</b>	<b>\$ 405,098.00</b>
<b>Total</b>	<b>\$ 604,680.01</b>		
<b>FY24</b>	<b>\$ 604,680.01</b>		
<b>FY25</b>	<b>\$ 405,098.00</b>		
<b>FY26</b>	<b>\$ 439,442.22</b>		
<b>FY27</b>	<b>\$ 402,782.26</b>		
<b>Total</b>	<b>\$ 1,852,002.49</b>		
	<b>Total</b>		

[illegible]

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Town Clerk	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Shelving in Town Clerk Vault	<b>Total Project Cost:</b>	\$30,500

**Department/Division Head:** Kelly McElreath

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$30,500		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	30,500				

**Project Justification and Objective:** The Town Clerk vault is used to store vital records. All birth, death and marriage certificates are bounded each year and these books are permanent records. In the next year or 2 the current shelving will not be able to store vitals records.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

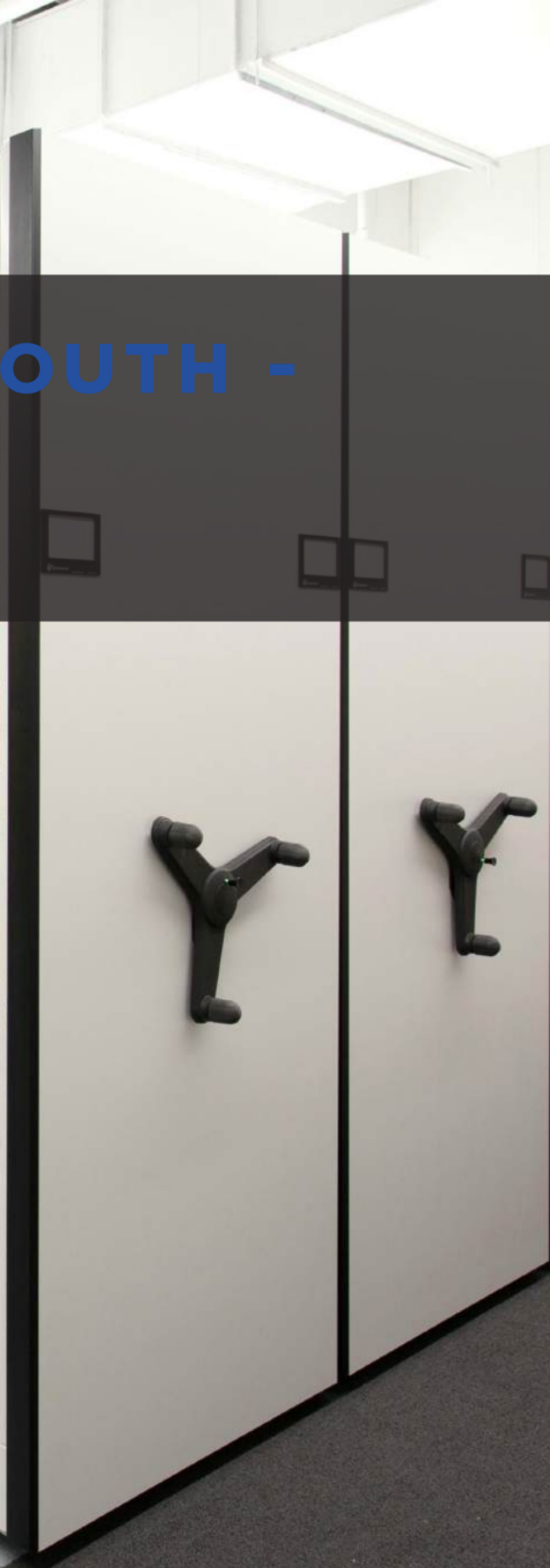
☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** This would be permanent structure in the vault.

**Attach backup information, estimates, or justification to support this request.**

# TOWN OF PLYMOUTH - CLERK'S VAULT

BRIAN ACKLEY  
SEPTEMBER 10, 2025



DONNEGAN SYSTEMS, INC.

# CORPORATE OVERVIEW

## STORAGE SOLUTIONIST

Donnegan Systems was established in 1976 and is a storage solutions provider offering space planning and innovative storage solutions. We handle various industrial, distribution, manufacturing, office, public safety, agriculture, higher education, healthcare, and commercial projects in the New England and Eastern New York markets.

Donnegan Systems is a leader in providing value-added storage solutions to our customers by creating a successful partnership with them throughout the entirety of the project. We pledge to establish lasting relationships with our customers by exceeding their expectations and gaining their trust through exceptional performance by every member of the Donnegan Systems team.

## OUR MISSION

Dedication to providing quality products, technical and management services to our customers. We will strive to implement a long-term relationship with our clients based on safety, quality, timely service, and anticipating their needs. To help fulfill this mission, we will treat all employees fairly and involve them in the quality improvement process to insure responsiveness and cost-effective work execution.





## TESTIMONIAL

We are very pleased with the start-to-finish process that Donnegan had provided. The system operates exactly as promised and I am very pleased how everything went.

I want to give high praise to ALL the individuals who were here on site getting the system up and running. They were extremely courteous and showed up on time when they were expected. Communication was flawless with the crew when it came to giving status updates. In today's given workforce pool, Donnegan definitely has some great employees!

— *Production Manager*

The end result is a system that fulfills all of my requisites and perfectly fits all of our delicate inventory. To say I am thrilled with the end product is an understatement - I am over the moon with how great this experience has been.

Thank you all so much for your help and for providing such superior products and service!

— *Archivist*



# TOWN OF PLYMOUTH - CLERK'S VAULT

KELLY MCELREATH

26 COURT STREET  
PLYMOUTH, MA 02360

Thank you very much for this opportunity and your business!

Date:	September 10, 2025
Proposal:	DONN-000141
Presented By:	Brian Ackley
Office:	800-222-6311 ext. 302
Cell:	4016518848
Fax:	508-393-3974
Website:	<a href="http://www.donnegan.com">www.donnegan.com</a>

**It is understood that the recommendations herein are intended for consideration only by your organization and that the detailed operating advantages are obtainable through the integrated utilization of Donnegan Systems, Inc.'s products and services. Under no circumstances should this information be supplied to anyone not authorized by Donnegan Systems, Inc.**

**Donnegan Systems, Inc.  
170 Bartlett Street  
Northborough, MA 01532**

*\* This proposal is valid for 14 days*



# SUMMARY

## **Objective**

- Provide a space efficient storage system that can accommodate the growing vital records books as well as voting equipment within the current vault.

## **Problem**

- The existing stationary shelving units do not have the capacity to accommodate all of the items that need to be stored in the vault.

## **Solution**

- Provide and install one Spacesaver high density mobile shelving system with (1) mechanical assist carriage, (16) sections of 4Post shelving, and (2) retractable reference shelves for ease of filing per floor plan.

## **Value**

- Donnegan Systems has specialized in space saving storage solutions and record management services for the government market since 1972. Each storage system is custom designed from standard components based on the items being stored and the available space. All Spacesaver products are available off the Massachusetts State Contract.



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# 1

## EQUIPMENT SUMMARY



# 2

## INVESTMENT PROFILE

Section / Items	Price
<b>Freight</b> <ul style="list-style-type: none"><li>SHIPPER PREPAYS FREIGHT – ADDS TO CUSTOMER INVOICE</li><li>Due to volatility in freight charges, the shipping cost provided on this quote is an ESTIMATE only. Freight costs and the number of truckloads may change. The actual freight cost will be charged at the time of shipment OR on the final invoice.</li></ul>	\$0.00
<b>Shelving System</b>	\$18,565.00
<b>Factory Trained Installation</b> <ul style="list-style-type: none"><li>Pricing includes material and labor to apply 1/8" tile to system sub floor.</li></ul>	\$7,780.00
<b>Total Price</b> <i>*State Sales Tax, if applicable, is not included*</i>	<b>\$26,345.00</b>

**Contract: OFF52**

**Vendor Code: VC6000163876**



# 3

## CUSTOMER ACCEPTANCE

### FINISH SELECTION & ORDER ENTRY PROCESS

#### **Finish Selection:**

End Panels: \_\_\_\_\_ (if applicable, see appendix)  
Shelving: \_\_\_\_\_ (if applicable, see appendix)  
Lockers: \_\_\_\_\_ (if applicable, see appendix)  
Floor Covering: \_\_\_\_\_ (if applicable, see appendix)

#### **Order Entry Checklist**

Sign Off On Drawing: \_\_\_\_\_  
Sign Off On Proposal: \_\_\_\_\_  
Submittal Of Purchase Order: \_\_\_\_\_  
Submittal Of One-Half Deposit: \_\_\_\_\_



# Acceptance

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**Donnegan Systems, Inc.** President Donnegan Systems

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**Donnegan Systems, Inc.** Brian Ackley

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**Town of Plymouth - Clerk's Vault** Kelly McElreath

## Notes:

1. Please circle or fill in the above selections at the time of order placement.
2. Pricing is based on standard finish selections. All custom paint finishes (indicated by bold print or in the metallic family) have an up-charge.
3. It is the customer's responsibility to see that the above checklist items have been addressed before the submittal of the purchase order.

## Purchase Orders:

Purchase orders should be made out to the following:

Donnegan Systems, Inc.  
170 Bartlett Street  
Northborough, MA 01532  
Fax #: 508-393-3974

Please include finish selections, ship to address, contact name and phone number on your purchase order

## Installation and Support:

All installation work is performed by insured and factory-trained system installers, ensuring highquality workmanship and accountability. Donnegan Systems, Inc. will coordinate installation with your schedule. All labor is based on straight time labor during normal working hours (7 a.m. to 3:30 p.m.). If overtime is required, additional costs will be incurred.

## Terms and Conditions

Enclosed are the standard terms and conditions of Donnegan Systems, Inc. Please note that a non-refundable down payment of one-half of the contract amount is due within ten calendar days of contract award.

## Leasing Options:

Leasing options are now available. Leasing payment plans eliminate the need to fund the total purchase price, maintain your company's capital, and free up valuable bank credit lines. Please let us know if you want more information about this payment option.





# 4

## STANDARD TERMS AND CONDITIONS

The following are the standard terms and conditions of sale for Donnegan Systems, Inc., and will necessarily be made part of any contract resulting from this proposal.

### **FIELD VERIFICATION:**

In the event that Donnegan Systems cannot take field dimensions before placing the order with the manufacturer, the customer will incur additional costs if the as-built drawings differ from the original design drawings.

### **DELIVERY (Dock, Elevator and Dumpster):**

Donnegan Systems, Inc. will notify your designated contact person twenty-four (24) hours prior to delivery. Dock space and/or elevator availability will be arranged by you and made available at no cost to Donnegan Systems, Inc. A dumpster for removal of all shipping and packing materials will be provided at no charge to Donnegan Systems, Inc. the dumpster must be conveniently located and easily accessible at all times during the installation of the equipment.

### **STORAGE:**

If, for any reason, you are not ready to receive the materials and storage is required, storage and handling fees will be added to your invoice.

### **SPACE REQUIREMENTS:**

The space shall be ready for installation and free and clear of all obstructions. If it is not and there is a resulting delay, then the additional person-hours will be billed. The space shall be adequately lit. If additional lighting is required to perform the work safely, the additional cost will be invoiced. It is your responsibility to be certain the space is suitable for the installation of this equipment, i.e., adequate fire protection, clearances, and floor load capacity.

### **FIRE CODE:**

It is the customer's responsibility to verify that the shelving system height is verified on-site prior to placing the purchase order to ensure that proper clearance is maintained.

**FREIGHT:**

Due to volatility in freight charges, the shipping cost provided on this quote is an ESTIMATE only. Freight costs and the number of truckloads may change. The actual freight cost will be charged at the time of shipment OR on the final invoice. This estimate assumes the product ships in an enclosed van. The freight estimate does NOT include flatbed truck, special equipment, special skidding, or packaging unless the customer specifies at the time of the quote request. Additional charges such as detention fees, re-consignment, refusal/re-delivery, and other unforeseen carrier charges will be added to final freight billing. Shipping and delivery dates are approximate and are not a guarantee of shipment or delivery on any particular date. Time shall not be of the essence of the contract. Seller shall not be liable for delays in or failures of delivery due to strikes or labor troubles, supplier's delays, accidents, fire, flood, acts of God, action by a governmental authority, changes requested by Buyer, or other causes beyond its reasonable control. Suppose the shipment is delayed at the request of the Buyer. In that case, the Buyer shall make payment as though shipment had been made as specified and for any expenses incurred by Seller due to Buyer's request in delaying shipment; and the material shall be stored at the Buyer's risk and subject to reasonable storage charges.

**INSTALLATION:**

Installation is in addition to the price of the materials. Labor is planned as straight time unless otherwise noted. Overtime occurring not at Donnegan Systems, Inc.'s discretion will be added to your invoice.

**TAXES:**

All applicable sales taxes, as required by law, will be billed.

**PAYMENT:**

This system has been specially designed and will be specially manufactured for your unique requirements. A non-refundable down payment of 50% of the contract amount is due with order, 25% upon shipment from the manufacturer, and the balance 30 days after acceptance. One and one-half (1 1/2) percent interest per month will be charged on any unpaid balance after thirty (30) days. A hold-back of reasonable value is allowed if the installation is not totally complete upon final invoicing without incurring interest charges.

**WARRANTY:**

The system is warranted against defects in materials in accordance with the given manufacturer's warranty.

**INSURANCE CERTIFICATES, PERMITS AND FEES**

We reserve the right to pass on any additional costs to obtain insurance certificates, building permits, or miscellaneous fees that have not been previously identified and/or specified in our proposal but are required to complete the project.

**CHANGE ORDERS AND OR CANCELLATION:**

If, for any reason, you cancel the order, any cancellation, restocking, and handling charges will be invoiced. Change orders requested after receiving your purchase order may also incur additional charges.



# 5

## CONDITIONS OF CONTRACT

1. It is agreed by the purchaser that this contract, when accepted by the seller, is not subject to cancellation or to any verbal agreement or condition not stipulated in writing on it, and that
2. Title to the goods described on the fact hereof shall not pass until the purchase price is paid in full. The purchaser hereby grants a security interest in said goods to secure payment and performance to the seller. It is mutually agreed that the billing of such goods is for convenience only; and does not carry the title with it, and that
3. In case of default of payment, or in case of removal of said goods or any part thereof without the consent of the seller, or in the event the purchaser shall mortgage or part with the possession of the said property, voluntarily or involuntarily, without the consent of the seller, the latter shall have the right to resume immediate possession of same wherever it may be found, and remove it with or without process of law, and may declare this agreement terminated and may retain all money paid hereunder as liquidated damages and rental for said goods. In the event a claim is placed in an attorney's hands for collection or in the event of litigation, a reasonable attorney's fee and cost shall be added to it, and that
4. In the event that the sale or use of the merchandise herein is subject to any Federal, State, Municipal, or other tax, now or hereafter enacted, the amount of any such tax shall be added to the purchase or rental price.
5. The seller shall not be liable for any delay in shipment or for failure to deliver the goods covered hereunder because of fire, strikes, war, or other emergencies, whether national or state, or due to controls, laws, or regulations issued by any Nation or State, or any political subdivision thereof, or other causes beyond its control. IN NO EVENT SHALL THE SELLER BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES SUCH AS BUT NOT LIMITED TO LOSS OF ANTICIPATED PROFITS OR OTHER ECONOMIC LOSS IN CONNECTION WITH OR ARISING OUT OF THE EXISTENCE, FURNISHING, FAILURE TO FURNISH, FUNCTIONING, OR CUSTOMER'S USE OF THE GOODS.
6. All claims for shortage must be made within five (5) days from receipt of goods.



7. Any Equipment sold hereunder is warranted to be in satisfactory operating condition when delivered. Should any part prove defective in material or workmanship during the warranty period, replacement of same will be made without charge. Buyer shall permit full and free access to perform these services when equipment is not portable; otherwise, Buyer shall return equipment for service at its expense. This warranty does not include replacing parts due to misuse, neglect, damage, burned-out motors, or fuses.

THE FOREGOING WARRANTY AND LIMITATIONS ARE EXCLUSIVE REMEDIES AND ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

- 8. To the extent any other written agreement between the parties specifically covering the sale of equipment goods is inconsistent, and such other written agreement shall take precedence over these standard conditions.
- 9. This contract is subject to our credit department approval. This quotation is made for immediate acceptance and is subject to change without notice. If based on specially printed forms, it presupposes your acceptance of overruns or underruns not exceeding 10% of the quantity ordered.
- 10. Deliveries are subject to delays from fires, strikes, and other causes beyond our control. We reserve the right to correct clerical errors.
- 11. This contract shall be construed in accordance with the Laws of the Commonwealth of Massachusetts.
- 12. Payment terms are 50% with the order, 25% upon shipment from the manufacturer, and the balance 30 days after acceptance.
- 13. Under any resulting contract, Donnegan Systems, Inc. will retain a security interest and retain all rights as a secured creditor under the Uniform Commercial Code until all checks have been cleared and payment in full has been received. In the event of default, the customer shall pay all collection expenses, including attorney fees

Accepted:

By: \_\_\_\_\_  
Authorized Signature

Date: \_\_\_\_\_

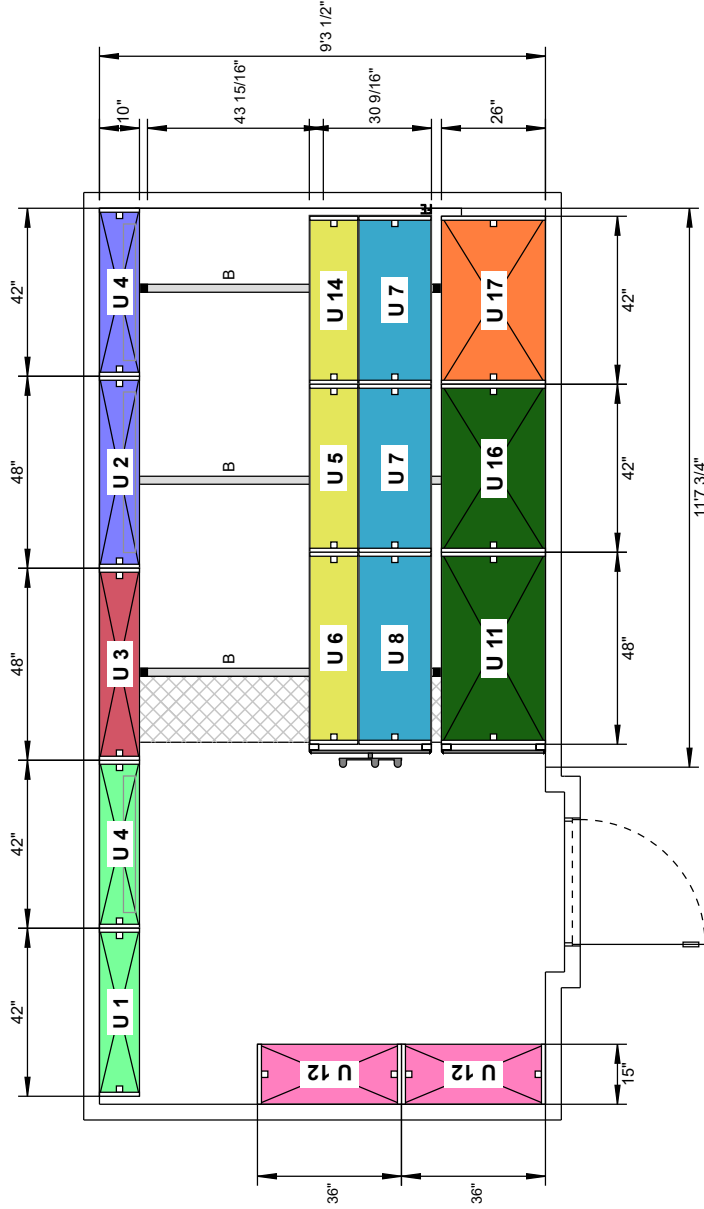
Title: \_\_\_\_\_



# 6

## APPENDIX

# Plymouth MA, Town of - Clerk's Vault - Mobile



Supplies

Oversized Books

Voter Trays

Voting Machines


Births

Deaths

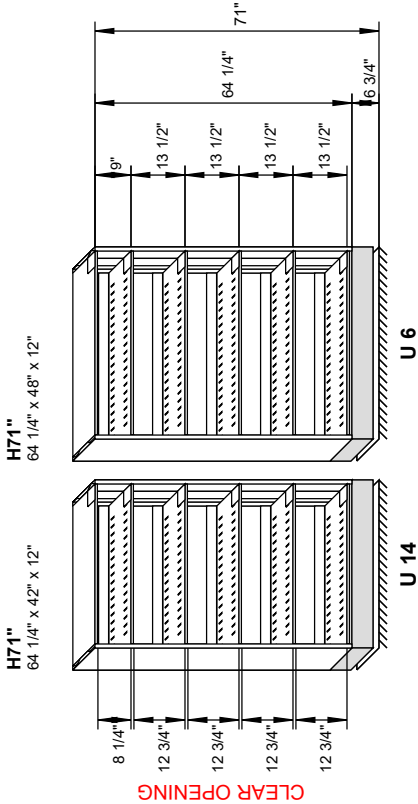
1/2 Marriages 1/2 Deaths

Marriages

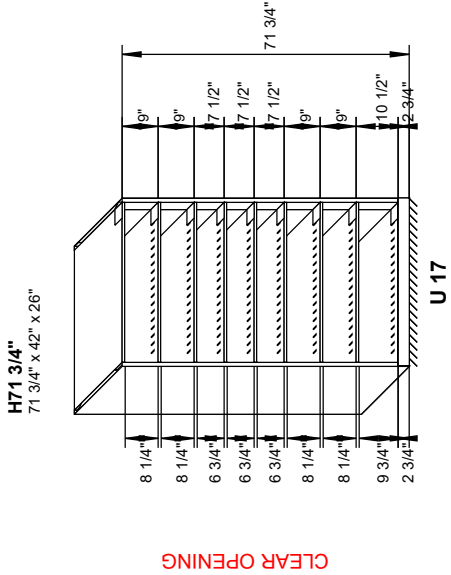
Floor Plan

 DONNEGAN SYSTEMS, INC. "The Document and Storage Management Professionals"	Project Name: <b>Plymouth Town Clerk</b>		Project #:	APPROVAL
	Salesperson: <b>ACKLEY, BRIAN</b>		Drawn by: <b>VS</b>	This drawing Approved By: _____
	Scale <b>1/4" = 1'</b>		Rev level:	Date Printed: <b>09/03/2025</b>

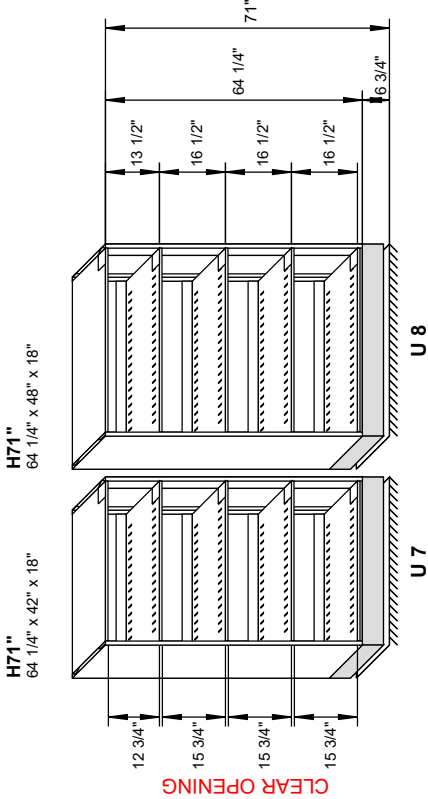
MOBILE - CASETYPE  
42/48"W x 12"D



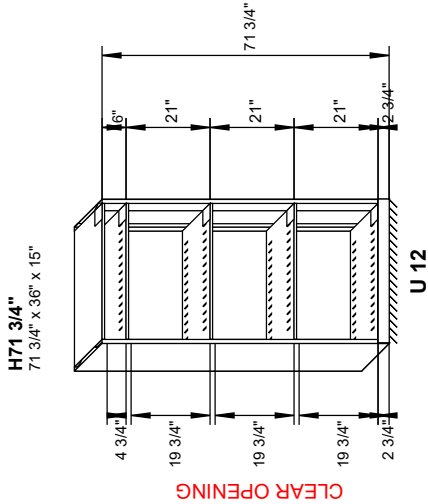
STATIONARY - CASE  
42"W x 20"D



MOBILE - CASE  
42"/48"W x 18"D



STATIONARY - CASE  
36"W x 15"D



Project Name: **Plymouth Town Clerk**

Salesperson:  
**ACKLEY, BRIAN**

Scale  
**1/4" = 1'**

Rev level:

Project #:

Drawn by:  
VS

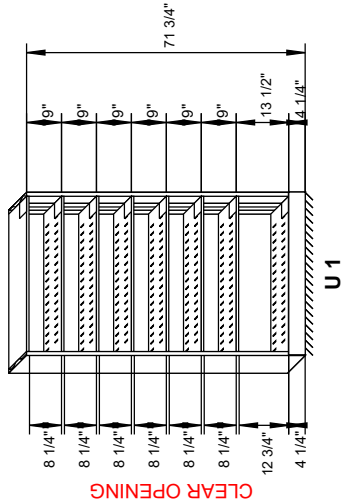
Date Printed:  
09/03/2025

APPROVAL  
This drawing Approved By:

Dated

STATIONARY - CASE  
42"W x 10"D

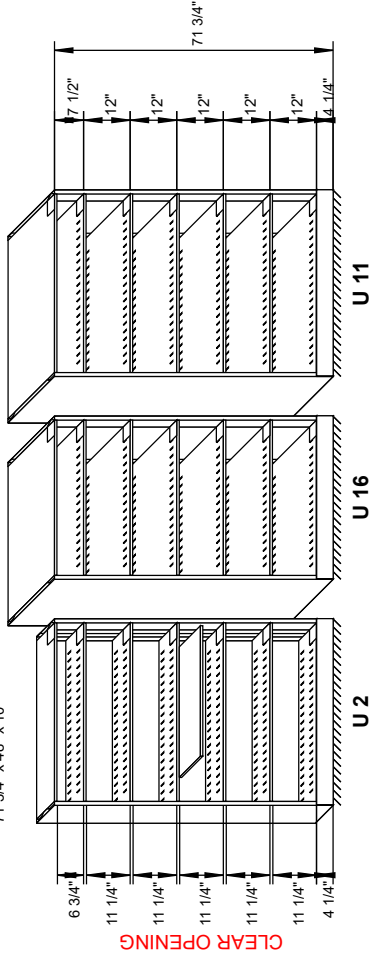
H71 3/4"  
71 3/4" x 42" x 10"



STATIONARY - CASE  
42/48"W x 26/10"D

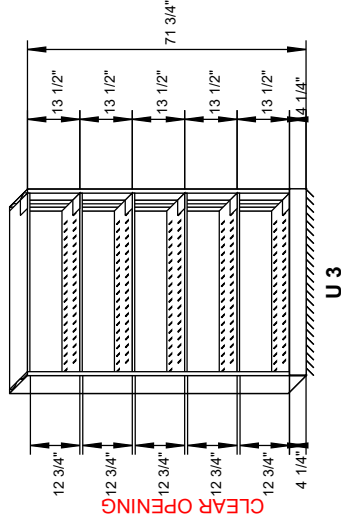
H71 3/4"  
71 3/4" x 42" x 26"

H71 3/4"  
71 3/4" x 48" x 10"



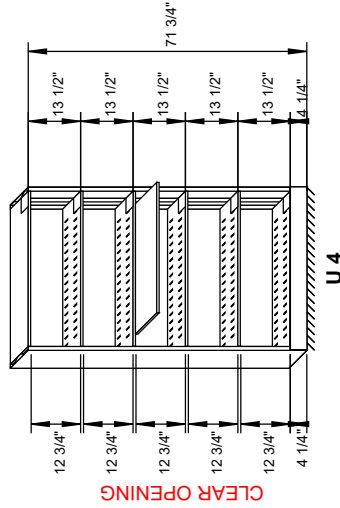
STATIONARY - CASE  
48"W x 10"D

H71 3/4"  
71 3/4" x 48" x 10"



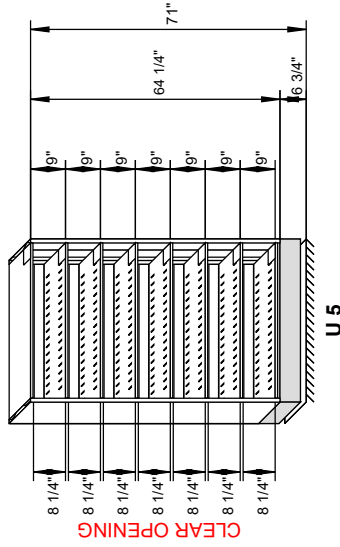
STATIONARY - CASE  
42"W x 10"D

H71 3/4"  
71 3/4" x 42" x 10"



MOBILE - CASETYPE  
42"W x 12"D

H71"  
64 1/4" x 42" x 12"



Project Name: Plymouth Town Clerk

Salesperson:  
ACKLEY/BRIAN

Scale  
3/8" = 1'

Rev level:

Project #:

Drawn by:  
VS

Date Printed:  
09/03/2025

Dated:

APPROVAL  
This drawing Approved By:



### Town of Plymouth - Vault Capacities

		Current	Proposed
Marriages	9"Dx6.75"H	192LFI	240LFI
Oversized	9Dx11.5H	128LFI	355LFI
Births	9"Dx6.75"H	96LFI	120LFI
Oversized	9"Dx11.5"H	256LFI	424LFI
Deaths	9"Dx9.5"H	182LFI	200LFI
Oversized	9Dx11.5H	122LFI	361LFI
Annual Reports	9"Hx9"D	128LFI	276LFI
Old Books	18.5"Hx14.75"D	96LFI	126LFI
Old Books	16"Hx11"D	68LFI	90LFI
Voting Machines	17"Lx14"Hx8"D		(45) Required
Voting Totes	25"Dx12.5"Wx6"H		(24) Required
Supplies			516LFI
Miscellaneous			444LFI

# MECHANICAL ASSIST

H I G H - D E N S I T Y   M O B I L E   S T O R A G E



# DESIGN FEATURES

## MOBILE CARRIAGE SYSTEMS

By mounting shelving units and storage cabinets on wheeled carriages that travel on rails, Spacesaver High-Density Mobile Storage Systems eliminate the need for multiple fixed aisles, freeing floor space for other more productive uses.

**Standard Carriage Length** Spacesaver Mechanical Assist carriages are available in standard lengths up to 45 feet (13.7m). Greater carriage lengths are possible, depending on system load factors.

**Load Carrying Capacity** Each carriage has a minimum load carrying capacity of 1,000 lb. (1,500 kg) per linear foot (meter). Your local Area Contractor can provide weight analyses and offer structural strategies to accommodate heavier system floor loads.

**Flexible Rail Layout** By adjusting rail size, spacing and orientation, floor loads can be optimally distributed at practical bearing points.

**Welded-Steel Uniframe Carriage** Spacesaver's welded-steel carriages ensure that all drive train components retain their alignment, eliminating binding, racking and misalignment of carriage and shelving. Their rigid, uniframe design has no exposed fasteners to loosen or break.

**Wheels And Rails** Carriage wheels and rails are fabricated and precision-machined for maximum strength and system life.

**Optional One-Piece Structural Rail System** Available one-piece rail systems have no butt joints or welds. Their tongue-and-groove design restricts lateral movement and provides greater structural rigidity.

**Fully-Grouted Rails** All rails are fully supported and grouted to evenly distribute system weight. They are not installed using shims, which can cause carriage rails to flex and the system to malfunction.

**Synchronized Drive System** A synchronized drive transmits power to both sides of the carriage, not just one, providing positive tracking – even with unbalanced loads. Not only are system stability and performance enhanced, wear is reduced. Line shaft drive is also available.

**Flexible Guidance Systems** To reduce friction and facilitate smoother tracking, Spacesaver carriages are available with a variety of guidance systems. Your local Area Contractor will help you select the system best suited for your application.

**Matched Drive Ratios** Spacesaver Mechanical Assist carriages can be equipped with a number of different drive ratios. By appropriately matching the system drive ratio to the load, operation becomes smooth and effortless. Very little force or exertion is needed to open an aisle.

**Chain Tensioner** To assure the smoothest possible operation, an integrated chain tensioner can be easily adjusted to fine-tune the carriage drive. This can be accomplished in seconds as a minor service adjustment, without disassembly of the system.

**Recessed Carriage/Welded Shelving Uprights** Spacesaver carriages are designed for maximum stability. Their welded steel uprights and recessed mounting of shelving and cabinets enhance the structural integrity of the system. Storage housings become an integral part of the carriage, ensuring that they won't shift position or lose their alignment.

**Anti-Tip Protection** Built-in anti-tip devices are engineered to comply with all seismic requirements, providing an extra measure of system stability and safety – even in areas prone to earthquakes.





## MOBILE CARRIAGE SYSTEMS (CONTINUED)

**Low Profile Rail Design** The low-profile design of Spacesaver rail systems is engineered to mount flush with the finished floor. To ensure a proper match with the rest of their environment, system decks and ramps can be covered with virtually any flooring material.

**ADA Compliant** To accommodate the personal limitations of individual users, Spacesaver Mechanical Assist Systems can be readily configured to comply with all ADA accessibility requirements.

## SYSTEM CONTROLS

**Soft-Touch Ergonomic Handles** Comfort and ease of operation are enhanced by our ergonomically designed, soft-touch rotating handles. A variety of optional handle colors are available to match any decor.

**Safety Locks** To enhance user safety, unwanted movement can be prevented by a standard safety lock control that has a bright visual indicator showing lock status. For additional safety, optional automatic locks are available which help prevent the system from being closed on an occupied aisle.

**Carriage Safety Sweep/Brake** To ensure maximum protection for users and materials being stored, Spacesaver Mechanical Assist systems can be equipped with an optional carriage safety sweep/brake.

**Controlled Access** Unauthorized access to any or all aisles can be prevented with optional hub locks which allow individual carriages to be key-locked in closed-aisle position as desired.

**Upgradable To Electric Operation** Spacesaver Mechanical Assist Systems can be designed for easy upgrading to electrically-controlled operation. In this way, special programmable features can also be added as your needs change.

## SHELVING AND CABINET OPTIONS

**Wide Choice Of Housings** Almost any type of storage housing can be mounted on Spacesaver mobile carriages, including your own existing shelving and cabinets.

**Unlimited Shelving Options/Storage Accessories** Beyond basic cabinetry, Spacesaver offers you a large assortment of shelving options and storage accessories designed to accommodate virtually anything you wish to store.

**Ability To Reconfigure/Expand System** As your storage needs change, Spacesaver shelving and cabinets can typically be reconfigured or expanded to accommodate them.

**Heavy-Duty Shelving Construction** For added strength, Spacesaver shelving and cabinets are fabricated using heavy-gauge, cold-rolled steel and extensively reinforced for increased rigidity, improving their ability to support greater shelf loads.

**Wide Array Of Design Options** A wide range of colors, finishes, and end-panel materials provides you with design options limited only by your imagination.

**Durable Paint Finishes** Spacesaver's powder-coat paint finishes are extremely durable, exceeding the stringent scuff, scratch and chip requirements of the American Library Association.



# MULTIPLE APPLICATIONS

## STORE VIRTUALLY ANYTHING, AND DO IT IN LESS FLOOR SPACE

**In many applications, Spacesaver High-Density Mobile Storage Systems are three times more space-efficient than conventional filing and shelving at half the cost.**

Regardless of their size, weight or shape, virtually any type and variety of materials can be stored using a Spacesaver High-Density Mobile Storage System. Not only that, they can be stored in less floor space, reducing your building lease and construction costs.



Spacesaver is the recognized leader in high-density mobile storage, with more installations than all other manufacturers combined. We have designed systems to fit almost every situation.

Spacesaver High-Density Mobile Storage Systems have been installed in offices, hospitals, banks, libraries, schools, museums, archives, factories, warehouses, laboratories, government agencies and military bases, as well as many other uniquely demanding environments.

Drawing on this vast experience, we provide each customer with a storage solution that is customconfigured to meet their specific needs. Having designed and installed more than 250,000 successful mobile systems for customers with a wide range of individual requirements, chances are we have already solved a storage problem similar to yours.

## ASK US FOR A PROFESSIONAL ASSESSMENT OF YOUR STORAGE NEEDS

**Spacesaver's team of experienced Area Contractors are proven problem solvers who can make an invaluable contribution to your planning process. For a qualified professional assessment of your storage needs, don't hesitate to give us a call at 1-800-492-3434. There is no cost or obligation.**





# THE **BOTTOM-LINE** QUESTION

## **WHY SPACESAVER?**

As our ISO 9001 certification would suggest, Spacesaver is dedicated to the highest standards of product quality. Equally important is our commitment to customer service, both before the sale and after.

Through our extensive network of local Area Contractors, Spacesaver provides a level of experience and competency that others simply do not. From architectural constraints and building codes to system design and floor-loading, we have the expertise to handle every issue and customer concern.

A storage solution that meets your unique criteria. Single-source turn-key project management. Certified system installation. Ongoing maintenance and support. Spacesaver sets a standard of professionalism, performance and responsiveness that is unmatched. We live up to our customer commitments and have the references to prove it.

You can rely on The Spacesaver Group.



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[www.spacesaver.com](http://www.spacesaver.com)

# 4-POST & CASE-TYPE

S H E L V I N G   S Y S T E M S



# MAXIMUM FLEXIBILITY

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Spacesaver's 4-Post and Case-Type Shelving Systems aren't just shelving. They're entire systems that are customized to boost efficiency, improve security and accountability, and save space.

## DURABLE

These shelving systems are engineered for stability, strength and rugged functionality. For added structural rigidity, shelves are fabricated using cold-rolled steel and used with welded-steel uprights, enabling the systems to support significant loads.

## ECONOMICAL

Don't waste money on cheap shelving that breaks, deforms, or requires special tools to modify. Invest in a quality system that can change right along with your needs.

## CUSTOMIZABLE

Choose from optional doors, drawers, dividers, and other accessories to enhance security and ensure that everything has its place.

## ATTRACTIVE

Complement any interior design with next-level colors and finishes. Our shelving systems are available in your choice of 32 powder-coat paint colors, and custom colors are available by request. Add special finish materials like wood, laminate, or glass for virtually limitless design options.

## RECONFIGURABLE

Easily assembled, disassembled and reassembled, Spacesaver Shelving Systems are designed for convenient reconfiguration, relocation or expansion, adapting to your changing needs.

## SAFE

Optional anti-tip devices provide extra stability and safety, even in areas prone to earthquakes.







### ADD TO MOBILE

Save even more space by mounting your system on high-density mobile carriages and rails.

# 4-POST SHELVING SYSTEM

## DESIGN FEATURES

**Shelves** Standard 22-gauge (.75 mm) or heavy-duty 18-gauge (1.2 mm) patented universal or plain shelves. For added safety, there are no exposed metal edges. Shelves supported with 11-gauge (3.1 mm) or 14-gauge (1.9 mm) shelf supports.



**Keyholes/Interlocking Rivets** Keyholes at 1-1/2" (38 mm) centers on uprights provide positive lock with shelf support rivets for added strength. No special tools or fasteners are required for assembly.



**Rounded-Post Vertical Uprights** Wrap-around design has no exposed metal edges, providing a clean, smooth appearance. Available in standard "open" style with welded steel spreaders or "closed" style for enhanced strength and appearance.



**No Exposed Holes** Assembled system has no exposed holes or fasteners. All shelves and backs are flush with outside of upright posts.



**Unit-Welded "L" & "T" Uprights** 18-gauge (1.2 mm) steel uprights offered as a 1" (25 mm) wide "L"-shaped end post or a 2" (51 mm) wide "T"-shaped common post.



End Angle "L"



Intermediate "T"



**Front Bases** Optional front bases provide a clean, finished look.



**Aesthetic Flexibility** Optional end-panels are available in laminates, wood veneers and metal, creating a designer appearance.





# CASE-TYPE SHELVING SYSTEM

## DESIGN FEATURES

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**Double-Wall Construction** Unit-welded, double-wall uprights extend into the shelf area, preventing stored materials from slipping behind the upright post.



**Rounded-Post Vertical Uprights** Wrap-around design eliminates exposed metal edges, protecting users and stored media.



**Keyholes/Interlocking Rivets** Shelf support rivets lock into upright keyholes on 1-1/2" (38 mm) centers for added strength and easy height adjustment. Simple, self-locking design for easy assembly.



**Shelves** Patented universal and plain 22-gauge (.75 mm) steel. Smooth edges to protect users and stored media.



**Unit-Welded "L" & "T" Uprights** 18-gauge (1.2 mm) steel uprights offered as a 1" (25 mm) wide "L"-shaped end post or a 2" (51 mm) wide "T"-shaped common post.



End Angle "L"



Intermediate "T"



**Front Bases** Optional front bases provide an attractive, finished look.



**Aesthetic Flexibility** Optional end-panels are available in laminates, wood veneers and metal finishes, creating a designer appearance.





## 4-POST & CASE-TYPE SHELVING SYSTEMS



Washington State University | Pullman, WA  
Mechanical-Assist Compact Mobile Storage System  
Dividers and Bin Fronts on 4-Post Shelving for Player Specific Cubbies



California Academy of Sciences | San Francisco, CA  
4-Post Shelving with Bin Fronts  
Half-Height Hinge Doors



# ACCESSORIES



## Double-Face Through Shelf with Centerstop

Helps separate and contain media being stored.



## Bin Divider with Acrylic Bin Front

Compartmentalizes the storage of three-dimensional objects and other media.



## Divider Rods

Designed for convenient, compartmentalized storage.



## Universal Shelf

Unique, patented design allows for attachment of file dividers, bin dividers and divider rods.





### **Pull-Out Reference Shelf**

For convenience in referencing shelved materials. 50 lb. (23 kg) load capacity.



### **Roll-Out Interior Drawer**

Can be configured for top-tab hanging folders or open-shelf filing of top or side-tab folders.



### **Receding Door**

Provides for security of materials on open shelving. Can also be used with Roll-Out Interior Drawer.



### **Closed File Drawer**

Combines security with space efficiency. Can accommodate letter or legal sized files, hanging folders and more. Quickly accessible.



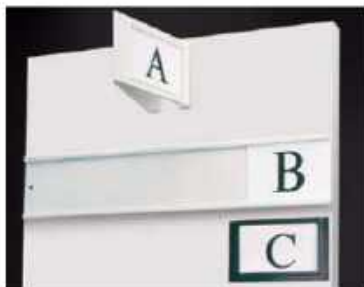
### **Storage Drawer**

Accommodates a wide variety of stored media, while providing full accessibility and keyed security. Adjustable bottom dividers available.



### **Hanger Rail**

Spans the width of the shelving and has three notches to allow for flexibility in positioning rail(s) depending on the size of items being stored.



### **Aisle Identification Options**

Optional range finders and card holders make locating and reshelving of materials fast and easy.



### **Label Holder**

Optional adhesive label holders can span the shelf up to 47 3/4" long or be cut to enable flexible lengths.



### **Frame-Mounted Doors**

Keep stored items secure and dust-free with doors that easily mount to the shelving frame.

**EZ Rail® Element**

Attach bins, hangers, and other accessories to keep small items organized and accessible.

**Weapons Rack II**

Convert shelving into a weapons rack with interchangeable accessories.

**Nantucket Drawers**

High-quality, soft-close drawers are easy to access and organize. Only available on closed type 4-Post Shelving.

**Nantucket Trays**

Trays are fully removable with safety stops to prevent unexpected tray extension. Only available on closed type 4-Post Shelving.

**CUSTOMIZE  
YOUR SPACE  
FOR  
EVERYTHING  
YOU NEED  
TO STORE.**

# CONNECT WITH **THE EXPERTS**

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When you're ready to build a storage system that saves space and improves efficiency, contact us for planning assistance and answers to all your questions. We can even connect you to your local Spacesaver consultant, who can assess your space and prepare recommendations.

There's no cost and no obligation, so contact us today!

**Spacesaver.com | 800.492.3434**



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# LOW PRESSURE LAMINATE

## COLOR OPTIONS



# TIER ONE



W100

White

Suede



SF204

Opal (Almond)

Suede



SF208

Folkstone

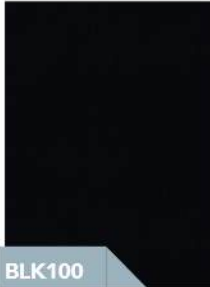
Suede



SF213

Fog Gray

Suede



BLK100

Black

Suede



AF232

Natural Linen

Suede



WF275

Hardrock Maple

Suede



WF270

Cabinet Maple

Suede



# TIER TWO



SF100

Victorian White

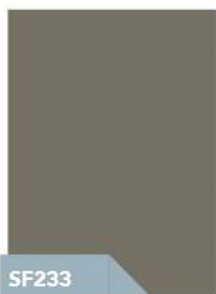
Suede



SF232

Ashen\*

Velvet



SF233

Fossil\*

Velvet



SF230

Sienna\*

Satin



SF239

Storm

Suede



SF237

Charcoal\*

Suede



SF247

Mysterious

Velvet



AF210

Silver Frost

Suede



AF209

Shadow Frost\*

Suede



AF200

Pewter Frost

Suede



WF375

Diva

Medina



WF394

Arctic Groovz

Timberline



WF449

Sarek Ash\*

Velvet



WF450

Bergen Ash

Velvet



WF451

Narvik Ash\*

Velvet



WF444

Tumalo Pine\*

Boreal



WF447

Toasted Oak

Boreal



WF357

Sandalwood

Medina



WF340

Aria\*

Timberline



WF393

Concrete Groovz\*

Timberline





Medina

WF397

Stomboli\*



Boreal

WF445

Sahalie Pine\*



Timberline

WF121

Burma Cherry\*



Velvet

WF452

Karuna Ash



Suede

WF100

Dessert Glow



Velvet

WF442

Chique\*



Timberline

WF301

Noce Vettore\*



Timberline

WF203

Seria\*



Suede

WF310

Talas Cherry



Suede

WF101

Autumn Glow



Suede

WF263

Walnut Amati\*



Velvet

WF443

Luxent\*



Timberline

WF236

Ankara Cherry\*



Suede

WF220

Brazilian Walnut\*



Medina

WF356

Driftwood\*



Medina

WF377

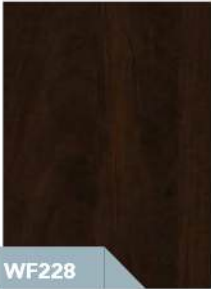
Pewter Pine



Boreal

WF448

Seared Oak



Suede

WF228

Sable Glow



Timberline

WF208

Libretti



Timberline

WF202

Verismo\*



WF344

Queenston Oak\*

Timberline



WF392

Licorice Groovz\*

Timberline



WF226

Zambukka\*

Timberline



WF368

Linear Ash

Medina



\*Minimum order quantities apply

# TIER THREE



WF432  
Alabaster

Taction Oak



WF433  
Argento

Taction Oak



WF440  
Ginger

Taction Oak



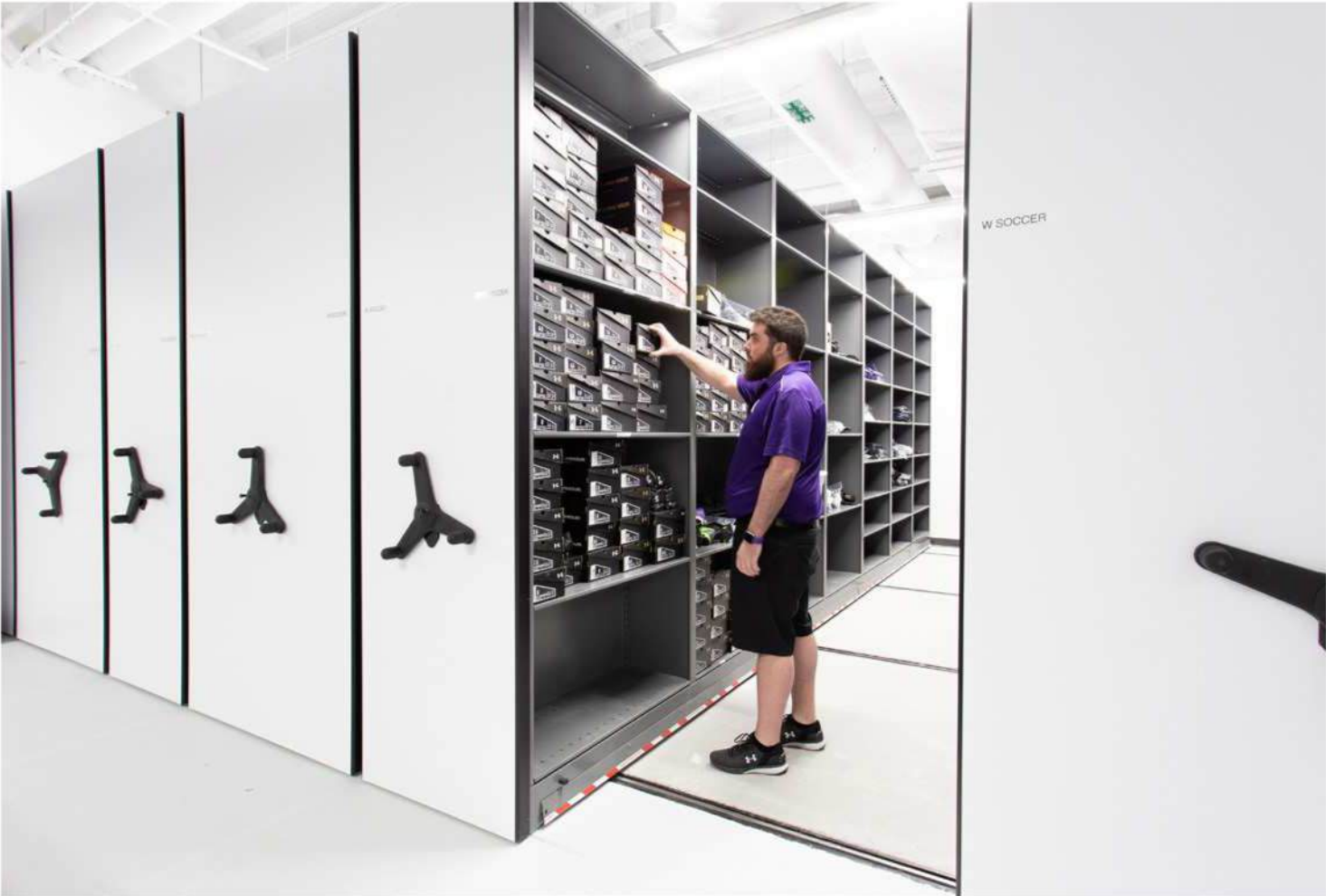
WF435  
Palomino

Taction Oak



WF434  
Gibraltar

Taction Oak







The swatch materials in this brochure are provided as a color guideline. There may be variation in color, texture, finish and gloss between these samples and the actual product.

---

## THE RIGHT COLORS TO REFLECT YOUR BRAND

At Spacesaver, we know that color and texture can impact your team's engagement and productivity, as well as your customers' perception of your business. That's why we work with architects, designers, and our clients to design storage solutions that are just as aesthetically pleasing as they are efficient.

As you begin designing your space, contact your local Spacesaver consultant to request a free space assessment and see our laminate color samples in person. We'll help you choose colors that are a perfect fit for your space and your brand.

**800.492.3434** | **[spacesaver.com](https://spacesaver.com)**



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# STANDARD COLORS

SMOOTH & TEXTURED POWDER COAT PAINT FINISHES

This is a supplemental color chart of the standard color offerings in both smooth and textured finishes available across all product lines. For a complete offering of all colors please contact your Spacesaver Sales Representative to refer you to our Product Chart with standard, custom and metallic color offerings.



\*Not Available in Textured on Mobile Product Line.

## A COMMITMENT TO QUALITY POWDER COAT PAINT FINISHES

Available in both smooth and textured finishes. Not all colors and finishes available across all product lines see notes below colors swatches and recommended finishes below. All components go through a multistage surface preparation prior to being coated; this process enhances topcoat bonding. The topcoat is a furniture-quality, epoxy-polyester hybrid Powder Coat Finish that meets or exceeds specifications set forth by the American Library Association.

Our electrostatically-applied, thermoset Powder Coat Paint System provides a durable hard finish with superior performance qualities.

- Excellent abrasion, impact, corrosion, stain, yellowing and chemical resistance.
- Exceptional adhesion with uniform film thickness and elimination of runs and sags associated with wet systems.
- A higher edge coating film thickness which virtually eliminates any sharp metal edges.
- Optional antimicrobial powder coat finish is available on all normally powder coated products. Antimicrobial powder coat contains a time-released germicide that is 99.9994% effective in controlling the growth of bacteria, mold, and mildew on the surface.

## A COMMITMENT TO THE ENVIRONMENT

Our system is environmentally safe without any volatile or fugitive (stray) emissions in the finished product. Additionally, during the manufacturing process, we produce no volatile emissions or hazardous waste.

## A COMMITMENT TO OUR CUSTOMERS

With the goal of bringing you the best local sales and service in the industry, our distribution network is composed of independently owned and operated distributors in major cities throughout North America. The Spacesaver Group's local sales consultants, factory-certified technicians, and expert support staff all work together to provide an excellent customer experience during the design process and long after the sale.

The engineers, project managers, and other professionals at our Wisconsin headquarters collaborate with our distribution partners every day to bring you new product innovations, efficient manufacturing processes, and superior customer support.

We live up to our commitments and have the references to prove it. You can rely on The Spacesaver Group

Slight variations occur in texture, color, grain configurations and finish acceptance of materials used. Therefore, finished pieces may vary in tone or character from images shown on this page. Please order a sample from your Spacesaver sales representative for a more accurate representation of the finished piece.

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# STATEMENT OF WARRANTY

Spacesaver has an emphasis on customer satisfaction and continuous improvement. The statement of warranty is our continued commitment that Spacesaver is dedicated to serving our customers.

## LIFETIME LIMITED WARRANTY

Subject to the conditions stated below, Spacesaver Corporation ("Spacesaver") warrants to the original purchaser exclusively that the shelving and mobile carriages ("structural frames") manufactured by it will be free from defects in materials and workmanship for the lifetime of the structural frames. For the purposes of this warranty, structural frames shall be deemed to exclude all moving parts, controls and guides that have immediate contact with any moving parts.

## 10-YEAR LIMITED WARRANTY

Spacesaver also warrants that all carriage drive motors\*, shall be free from defects in materials and workmanship for ten (10) years from the date of the customer's written acceptance of installation. During the 10-year warranty period, all parts are included at no cost for 10 years. Labor is included at no cost during the first year of the 10-year warranty period. After the first year, all labor will be charged at the current rate.

## 5-YEAR LIMITED WARRANTY

Spacesaver also warrants that all equipment, other than structural frames and carriage drive motors\*, shall be free from defects in materials and workmanship for five (5) years from the date of the customer's written acceptance of installation. During the 5-year warranty period, all parts are included at no cost for 5 years. Labor is included at no cost during the first year of the 5-year warranty period. After the first year all labor will be charged at the current rate.

\*Eclipse™ Powered Systems and Wheelhouse™ High-Density Mobile Storage Systems only. Refer to Warranty for Mobile Rack Systems.

If any warranted equipment shall be proved to Spacesaver's satisfaction to be defective, such equipment shall be repaired or replaced at the option of Spacesaver. All warranty service for any equipment manufactured by Spacesaver must be performed by an authorized Spacesaver factory representative. This warranty shall be void if any portion of the purchase price shall be due but unpaid in accordance with the terms pursuant to which the equipment was sold. This warranty shall not apply to equipment repaired by any party other than an authorized Spacesaver factory representative or to defects or damage caused by (a) acts of God or other circumstances beyond Spacesaver's control, (b) improper installation (unless installation was by authorized factory installer), (c) improper electrical supply or environmental conditions, (d) improper operation, maintenance or storage, or (e) other than normal use or service. **EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE, SPACESAVER MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AND SPACESAVER SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

## LIMITATION OF LIABILITY

Repair or replacement of any defective equipment, or refund of the purchase price paid by the customer in the event Spacesaver determines such equipment cannot be repaired or replaced, shall be the customer's exclusive remedy for breach of the warranty for product defects, however caused, and in no case shall Spacesaver be liable for incidental, consequential, special or other damages, or loss of profits or revenues whether as a result of breach of contract or warranty, Spacesaver's negligence, or otherwise. Spacesaver shall have no liability for any advice or assistance rendered by any party outside the scope of Spacesaver's written specifications for the manufacture, operation or maintenance of the warranted equipment. Original installation must be performed by Spacesaver trained and certified installers.

## WARRANTY / SUMMARY

The warranty applies only to Spacesaver products acquired directly from Spacesaver Corporation or from Authorized Spacesaver Area Contractors, Distributors and Dealers.

The warranty does not apply to any product which has been subject to misuse, negligence, or accident; has been damaged in shipment, storage, or installation; has been misapplied, has been modified or repaired by unauthorized persons or has been repaired with non-standard Spacesaver replacement parts. This warranty specifically excludes claims for indirect, incidental, or consequential damages arising in any way from a product defect. This warranty is exclusive, and exists in lieu of all other warranties, either expressed or implied.

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>Police</b>	Priority #: <b>1</b>	
Project Title and Description: <b>Evidence/Property Room Cameras</b>	Total Project Cost: <b>\$57,489.</b>	

Department/Division Head: Chief Dana Flynn

Check if project is:   New ☒   Resubmitted ☐   Cost estimate was developed: Internally ☐   Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>	\$16,425.		<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$33,029.		<i>FY32</i>		
<i>Other</i>	\$536.	Freight & Warranty			
<i>Contingency</i>	\$7499.	15%			
<b>Total Capital</b>	<b>\$57,489.</b>				

**Project Justification and Objective:** These cameras would provided added security and protection to property and evidence currently received and stored at police headquarters. This will aid in the reduction of potential liability and allegations of theft, loss, or damage.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐   No ☒

Can this project be phased over more than one fiscal year?

Yes ☐   No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: 10 years

Attach backup information, estimates, or justification to support this request.





## Plymouth Police Department

# Memo

**To:** Capital Improvement Committee  
**From:** Dana Flynn, Chief of Police  
**CC:** Derek Brindisi, Town Manager; Silvio Genao, Ass't. Town Manager; Lynn Barrett, Finance Director  
**Date:** 9/4/25  
**Re:** FY-27 Capital Request – Additional Evidence & Property Room Surveillance Cameras

---

The Police Department is requesting \$57,489 to install additional surveillance cameras in the Property and Evidence storage rooms.

In July 2025 the department hired Greeley & Associates Consulting Services to perform an audit of our Property and Evidence storage facilities. The audit was conducted to evaluate our internal control procedures, compare the evidence and property being held with that listed in our database, and evaluate our adherence to the established department policies.

Though the evaluators rated our evidence and property control procedure as "Outstanding" and found zero administrative errors for the 5,258 items being held at the time, they did provide a number of recommendations, including the installation of additional surveillance cameras to our current system.

The additional cameras will be installed inside each of the main storage rooms, the intake room, and the temporary storage rooms. The total cost includes 8 cameras, an upgraded server, and installation.

This project is intended to bolster our current surveillance system and further protect the department and Town from potential liability.



**Rev2 Plymouth Police - Evidence  
Room Cameras and 540 Day Storage  
NVR Options**

**Proposal # 7420-11-0**

**Proposal Issued: 8/15/2025**

**Proposal Valid To: 9/14/2025**

**To:**

**Ryan Ruggiero**

Police Dept Town Of Plymouth

**From:**

**Tom Lennon**

Account Executive

ENE SECURITY Inc.

(617) 546-8804

tlennon@enesecurity.com



## Client Information

**Customer Name:** Police Dept Town Of Plymouth

**Site:**

Plymouth Police Department  
20 Long Pond Road  
Plymouth, MA 02360

**Billing:**

Plymouth Police Department  
20 Long Pond Road  
  
Plymouth, MA 02360

**Contact:**

Ryan Ruggiero  
(508) 830-4210 Ext. 310  
ruggiero@plymouthpolice.com

## Scope of Work

### Expanded Coverage (Approx. 131TB Storage Required)

- ENE to furnish, install, and program seven (7) Avigilon dome cameras in the Evidence Room for enhanced coverage.
- Provide and activate the latest version of the Avigilon Control Center (ACC) video management software license.
- Install, label, and terminate CAT6 cabling from each camera back to a dedicated, closed-network NVR located in Closest MDF.
- Cameras will be configured to record on motion detection at 15 frames per second, with a minimum retention period of 540 days.
- NVR/server specifications to be finalized upon confirmation of selected option.

### Additional Option – Temporary Evidence Locker Camera:

- ENE to furnish, install, and program one (1) additional Avigilon dome camera for outside Temporary Evidence Locker area.
- CAT6 cabling to be installed and terminated back to the same dedicated NVR.
- Camera to follow the same recording parameters: 15 FPS motion-based recording with 180-day retention.

### Scope of Work – Evidence Room Video Server Installation

**Location:** Plymouth Police Department

ENE Security will furnish and install a dedicated **Network Video Recorder (NVR)** to support the evidence room camera system at the Plymouth Police Department.

### 131TB Usable Storage NVR



ENE will provide and install an NVR with approximately **131TB of usable storage**, configured with the following specifications:

- (1) Intel Xeon Silver 4410Y Processor
- (2) 16GB DDR5 RAM
- (2) 480GB M.2 SSD (for OS and application cache)
- (11) 16TB SATA HDD (configured for redundancy)
- (2) 1GbE RJ45 Network Interfaces
- (2) 10GbE RJ45 Network Interfaces
- (2) 1100W Redundant Power Supplies

**Operating System:** Windows Server 2022



## Investment

Evidence Coverage				\$23,827.00
Accept: _____ Decline: _____				

QTY	Manufacture	Part #	Description	
7	Avigilon	2.0C-H6A-D1-IR	2MP H6A Indoor IR Dome Camera with 2.8-12mm Lens	
7	Avigilon	ACC7-ENT	ACC 7 Enterprise camera channel	
2	Windy City Wire	556609-671	Cable, Cat6, 23-4P, CMP, Blue, CAT6P-BLU	
7	MISC	Connectors and Pipe	Connectors and Pipe	
Equipment Subtotal				\$10,337.00
Labor Subtotal				\$13,020.00
Freight & Warranty				\$470.00
Evidence Coverage SubTotal				\$23,827.00

Additional Camera - Temp Evidence Locker upstairs				\$3,321.00
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QTY	Manufacture	Part #	Description	
1	Avigilon	2.0C-H6A-D1-IR	2MP H6A Indoor IR Dome Camera with 2.8-12mm Lens	
1	Avigilon	ACC7-ENT	ACC 7 Enterprise camera channel	
0.25	Windy City Wire	556609-671	Cable, Cat6, 23-4P, CMP, Blue, CAT6P-BLU	
1	MISC	Connectors and Pipe	Connectors and Pipe	
Equipment Subtotal				\$1,460.00
Labor Subtotal				\$1,795.00
Freight & Warranty				\$66.00
Additional Camera - Temp Evidence Locker upstairs SubTotal				\$3,321.00

131TB Rackmount NVR - 540 days - Evidence Server				\$22,842.00
--	--	--	--	-------------

QTY	Manufacture	Part #	Description	
1	BCD	BCD212-PVS-410Y-176T-16	Xeon Silver 4410Y Processor 32GB RAM 11 x 16TB Drives / 176TB Raw / 131TB Usable RAID 1 OS RAID 6 Archive 1 x Appearance Search Kit iDRAC Enterprise Windows Server 2022 VMS: Avigilon (latest to desktop)	
Equipment Subtotal				\$21,232.00
Labor Subtotal				\$1,610.00
131TB Rackmount NVR - 540 days - Evidence Server SubTotal				\$22,842.00



## Financial Summary

**Total Proposal Amount**

**\$49,990.00**

*Note: This proposal is valid for 30 days*

## Acceptance of Quote / Proposal

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

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

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**\* Standard payment terms will apply unless noted above. Invoicing will be net 30 when completed**



## Terms & Conditions

Version 2.00 May 2022

This quotation and any exhibits and attachments hereto (collectively, "Agreement") and any information contained herein, is the property of ENE SYSTEMS Inc. ("ENE") and shall constitute proprietary and confidential information unless given to a public entity and required by law to be public information. The party to whom this quotation is addressed ("Buyer") acknowledges the confidential nature of this Agreement and agrees to take all commercially reasonable and necessary precautions to ensure the confidential treatment of this Agreement and all information contained herein. This Agreement will not be used, copied, reproduced, disclosed or otherwise disseminated or made available, directly or indirectly, to any third party for any purpose whatsoever without the prior written consent of ENE. The parties agree to be bound by the following terms and conditions.

**Section 1. Quotations & Acceptance:** Buyer may accept the quotation by signing and returning a copy to ENE or by returning Buyer's own written instrument or order expressly acknowledging the quotation and terms set forth herein, provided, however, ENE hereby gives notice of its objection to any different or additional terms or conditions contained or referenced in Buyer's order, which will be of no force or effect except as may be expressly agreed to by ENE in writing. It is the intent of the parties that these Terms and Conditions of Sale shall govern the sale of goods delivered and services performed. Upon acceptance, this Agreement constitutes the entire understanding between the parties respecting the goods or services delineated herein and supersedes all prior oral or written understandings or representations relating to such goods or services. This Agreement may not be discharged, extended, amended or modified in any way except by a written instrument signed by a duly authorized representative of each party. ENE assumes that the Subcontract Agreement offered will contain terms that are substantively similar to the AIA provisions that are in accordance with the provisions of the prime contract, including any supplements. Upon award, ENE assumes that contract provisions will be reviewed and negotiated in good faith to reach a mutual acceptance of both parties.

**Section 2. Pricing & Payment:** The price of this Agreement does not include sales, use, excise, duties or other similar taxes, unless otherwise expressly provided herein. Any taxes (other than taxes due on ENE's net income) that are payable hereunder shall be the responsibility of Buyer. If applicable, Buyer shall provide ENE a copy of any appropriate tax exemption certificate for the state(s) into which the goods are to be shipped.

Invoicing will be 30% prepayment followed by monthly progress billing. All invoices will be due net 30. If Customer is overdue in any payment, ENE shall be entitled to suspend the Work until paid, and charge Customer an interest rate 1 and 1/2% percent per month, (or the maximum rate permitted by law), and may avail itself of any other legal or equitable remedy. Customer shall reimburse ENE costs incurred in collecting any amounts that become overdue, including attorney fees, court costs and any other reasonable expenditure.

ENE reserves a security interest in any goods sold to the extent of the invoiced amount to secure payment of Buyer's obligation. In event of payment default, ENE may repossess such goods and a copy of the invoice may be filed with appropriate authorities as a financing statement to event or perfect ENE's security interest in the goods. At ENE's request, Buyer will execute any necessary instrument to perfect ENE's security interest. A 3% processing fee will be assessed to any credit card payment. Annual contract agreements automatically renew after the first year and may be terminated after its initial term or any subsequent anniversary by either party by giving written notice to the other party a minimum of 30 days prior to the anniversary date.

**Section 3. Access and Overtime:** This Agreement is based upon the use of straight time labor only during regular working hours (7:00 a.m. to 3:30 p.m., Monday through Friday, excluding ENE's holidays). If Buyer requests ENE to perform any work outside of regular working hours, overtime and other additional expense occasioned thereby will be charged to and paid by Buyer. If ENE's work is to be performed on the project site, Buyer will afford unrestricted access to ENE and its employees and agents to all work areas.

**Section 4. Damage or Loss to Equipment:** In the case of equipment not to be installed by or under supervision of ENE, ENE shall not be liable for damage to or loss of equipment after delivery of such equipment to the point of shipment. In the case of equipment to be installed by or under supervision of ENE, ENE shall not be liable for damage or loss after delivery by the carrier to the site of installation; if thereafter, pending installation or completion of installation or full performance by ENE, any such equipment is damaged or destroyed by any cause whatsoever, other than by the fault of ENE, Buyer agrees to promptly pay or reimburse ENE an amount equal to the damage or loss which ENE incurs as a result thereof, in addition to or apart from, any and all other sums due or to become due hereunder.

**Section 5. Delays:** Buyer shall prepare all work areas so as to be acceptable for ENE's work required hereunder. Buyer acknowledges that the contract sum is based upon ENE being able to perform the work in an orderly and sequential manner, as ENE so determines. If ENE's performance is delayed, interfered with, suspended, or otherwise interrupted, in whole or in part, by Buyer, other contractors on the project site, or by any other third party or by any act within the power and/or duty of Buyer to control, then Buyer agrees that it will be liable to ENE for all increased costs and damages which ENE incurs as a result thereof. Furthermore, if ENE is delayed at any time in the progress of the work by any act or neglect of Buyer, or by any separate contractor employed by Buyer, or by changes ordered in the work or by labor disputes, fire, delay in transportation, adverse weather conditions, casualties, or any other causes beyond ENE's control, then the time for completion of the work shall be extended for a period equal to the time lost by reason of such delay.

**Section 6. Warranty & Coverage.** Warranty for new equipment ENE Systems provides the following warranty to the Customer: For the period of one (1) year, commencing at the earlier of substantial completion of the Work, or first beneficial use, ("Warranty Period"):

- a. That Work performed under this Agreement will be of good quality;
- b. That all equipment will be new unless otherwise required or permitted by this Agreement;
- c. That the Work will be free from defects not inherent in the quality required or permitted;





d. That the Work will conform to the requirements of this Agreement.

The Customer's sole remedy for any breach of this warranty is that ENE shall remove, replace and/or repair at its own expense any defective or improper Work, discovered within the Warranty Period, provided ENE is notified in writing of any defect within the Warranty Period. Any equipment or products installed by ENE in the course of performing the work hereunder shall only carry such warranty as is provided by the manufacturer thereof, which ENE hereby assigns to Customer without recourse to ENE. Upon request of Customer, ENE will use all reasonable efforts to assist Customer in enforcing any such third-party warranties. This warranty excludes remedy for damage or defect caused by abuse, modifications not executed by ENE, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage.

Equipment Coverage in the event ENE Systems, Inc. is required to make any repairs and/or replacement and/or emergency calls occasioned by improper operation or misuse of equipment covered by this agreement or any cause beyond the control of ENE Systems, Inc., the customer shall reimburse ENE Systems, Inc. for reasonable expenses incurred in making repairs and/or replacements and/or emergency calls in accordance with the contracted rates for performing such service. If equipment becomes non-repairable due to unavailability of replacement parts, ENE Systems, Inc., at its discretion, may remove the equipment from the contract and will not be required to maintain or service such equipment as a part of this agreement. However, ENE Systems, Inc. will assist the owner in replacing the equipment at an additional cost.

**Section 7. Limitation of Liability:**

In no event will ENE's total aggregate liability in warranty or contract exceed the contract price paid for the specific product or service that gives rise to the claim excluding third party claims for personal injury, death or property damage or as may be required by law. IN NO EVENT SHALL ENE BE LIABLE FOR ANY LOST PROFITS, LOSS OF USE, LOSS OF GOODWILL, BUSINESS INTERRUPTION OR ANY OTHER SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND EVEN IF ENE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**Section 8. Laws and Permits:** ENE shall comply with all applicable federal, state, and local laws and regulation and shall obtain all temporary licenses and permits required for the prosecution of the work. Licenses and permits of a permanent nature shall be procured and paid for by the Buyer. This contract shall be interpreted and governed under and in accordance with the laws of the jurisdiction in which the goods are delivered or services are performed without regard to its choice of law provisions.

**Section 9. Disputes:** Any controversy or claim arising out of or relating to this Contract, or the breach thereof, shall be settled by good faith consultation and negotiation. If those attempts fail, either party shall provide written notice within thirty (30) days to the other to mutually agree on an arbitration process. If a process is not agreed upon within thirty (30) days, final and binding arbitration in accordance with the then current Construction Industry Arbitration Rules of the American Arbitration Association shall commence and judgment upon the award rendered may be entered in any court having jurisdiction thereof. The arbitration shall be held in the federal, state or municipal courts serving the county in which the project is located unless the parties mutually agree otherwise. The prevailing party shall recover all reasonable legal costs and attorney's fees incurred as a result, which shall be promptly paid by the non-prevailing party. Any dispute or demand for arbitration must be commenced within one (1) year after the cause of action has accrued. Nothing herein shall limit any rights ENE may have under construction mechanic or materialmen lien laws. ENE shall have the right to suspend affected services pending resolution of disputes.

**Section 10. Insurance:** The parties shall each maintain insurance coverage including without limitation, Workers' Compensation and Employer's Liability at statutory limits, Automobile Liability covering all owned, hired and other non-owned vehicles, and Commercial General Liability covering public liability and property damage with limits generally required for its respective industry with not less than \$1,000,000 minimum coverage per occurrence. Such insurance shall be with reputable and financially responsible carriers authorized to transact business in the state in which the project and services are being performed. No credit will be given or premium paid by ENE for insurance afforded by others.

**Section 11. Clean Up:** ENE agrees to keep the job site clean of debris arising out of its operations. Buyer shall not back charge ENE for any costs or expenses for clean up or otherwise without prior written notice and ENE's written consent.

**Section 12 Changes:** Move Add Change Delete (MACD) - If the system or software is modified, changed or altered, or if any equipment is added or removed within the premises or to other premises, ENE Systems, Inc., at its sole option, reserves the right to terminate or re-negotiate this agreement based on the condition of the system after the changes have been made.





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Fitness Room Upgrade	<b>Total Project Cost:</b>	\$51,507.00

**Department/Division Head:** Chief Dana Flynn

Check if project is: New ☒ Resubmitted ☐ Cost estimate was developed: Internally ☐ Externally ☒

For project re-submittals, list prior year(s): N/A

List any funding sources and amounts already granted: N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$6,807.00	Room Upgrades	FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$37,980.00	Gym Equipment	FY32		
<i>Other</i>					
<i>Contingency</i>	6720.00	15%			
<b>Total Capital</b>	<b>\$51,507</b>				

**Project Justification and Objective:** See Memo for full description. This officer wellness initiative is to upgrade the existing fitness room which is outdated and dangerous.

This project is necessary to the operations of the department by providing a space where officers can train physically and mentally to meet the growing demands of the profession.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

1990's Body Master Fitness Equipment, un-serviceable and inoperable, no longer being manufactured.

**What is the expected lifespan of this new/replacement equipment:** 20+ years

**Attach backup information, estimates, or justification to support this request.**



## Plymouth Police Department

# Memo

**To:** Capital Improvement Committee

**From:** Deputy Chief James LeBretton

**CC:** Chief Dana Flynn, Town Manager Derek Brindisi, Asst. TM Silvio Genao, Finance Director Lynne Barrett

**Date:** 09/17/2025

**Re:** Capital Request: FY27 – Fitness and Wellness Room Upgrade

---

The Plymouth Police Department is requesting funding in the amount of **\$51,507** to upgrade of the fitness and wellness room at Police Headquarters. This request comes as part of our commitment to officer wellness. The current fitness room is located in the basement of Police HQ, is used frequently by officers, and has been in place since the building opened. Much of the current gym equipment is severely outdated and not in serviceable condition. Some equipment is inoperable, dangerous to use or no longer manufactured making replacement parts difficult to find.

The need for a fully operational fitness space is crucial to our officer wellness program and the operational needs of the department. Our officers deserve a safe and functional space to maintain the level of physical fitness necessary to meet the demands of the profession. These demands include running, lifting/carrying objects and people, jumping fences, climbing stairs, grappling with noncompliant or violent people, and much more. Officers are required to wear heavy duty gear which can weigh up to forty pounds putting added stress on the human body, particularly when they need to physically perform as noted above.

Aside from the physical demands, the police profession takes a significant toll on an officers mental health and well-being. Officers here in Plymouth are routinely exposed to trauma, death and destruction, as noted in the provided *2025 Exposure to Trauma and Violence Report*. Officers have experienced traumatic deaths, severe injuries, graphic violence and child neglect which have lasting impacts on their mental health.

Many studies have shown that physical fitness has a direct link to improved mental health in police officers. According to Massuca et al (2022), the police profession involves special challenges to the health, physical, and psychological statuses of police officers. The risks of performing police work have numerous, complex, and long-lasting

consequences that affect not only the quality of everyday life of police officers, but also the efficiency of the measures and activities undertaken. Previous studies suggest that improving traditional health-related components of physical fitness (i.e., body composition, cardiorespiratory fitness, muscular strength, endurance, and flexibility) is essential for improving quality of life and policing skills [2,3]. However, the risk of developing health problems increases with overall decline in physical activity and associated decline in physical fitness. In fact, low levels of muscle fitness and physical endurance as well as overweight and obesity have been shown to be risk factors for police officer health and to lead to lower productivity levels and sick leave [4], resulting in additional costs to the employer.

In the past ten years, the Police Department has experienced a spike in premature retirements due to trauma exposure and the result of physical and emotional injuries. Since 2021, the department has installed a renewed commitment to officer wellness through a comprehensive wellness program to keep our officers healthy while reducing lasting injuries and premature retirements.

To date, we have implemented a robust officer wellness strategy aimed at addressing the physical, emotional, financial, and spiritual wellness of our officers. This strategy includes the addition of a Peer Support program, Critical Incident Stress Management, a Mental Health Co-Op program providing mental health services for officers, a self-service healthy snack kiosk, positive affirmation influence, and a newly designed Officer Wellness room which serves as a space for officers to decompress after traumatic calls.

One major piece missing from this ongoing strategic plan is to provide a functional space for officers to train physically and mentally. One question I suspect may be posed is why can't officers go to a commercial gym? While this is a valid question, there are also valid reasons not typically encountered by your average citizen. First, we work odd hours and remain fully functional 24/7/365. The exposure to trauma can happen at any time on any shift. It is paramount we give officers the ability to burn off stress before returning home to their families. Second, many officers have encountered subjects in the gym they have either dealt with or arrested and this has occasionally led to unnecessary confrontations. Some officers shy away from going to commercial gym's for this exact reason.

Providing a fully functional gym at Police HQ gives officers a safe place to train without fear of confrontation or being attacked. Lastly, maintaining our own fitness space gives us the ability to explore the implementation of a physical fitness program and/or group instruction to improve morale and ensure we have a police force capable of meeting the demands of the profession.

An investment in this fitness room is an investment in the officers who patrol our streets and keep our citizens safe. We expect them to be able to perform when called upon and this room will provide the necessary means to maintain the level of physical and mental acuity needed and expected of them.

To achieve this request, the Police Department will partner with G&G Fitness Equipment LLC, also known as “Gronk Fitness”, who will provide all new fitness equipment, rubber flooring, and haul away the old equipment. G&G Fitness is an approved vendor on the MHEC contract the Town of Plymouth currently has for the procurement of recreation, sports, and athletic equipment. The Town of Plymouth School Department has previously contracted with G&G Fitness in the outfit of the new gym at Plymouth South High School and they have proven to be a reliable vendor.

For room upgrades, we will partner with local vendors for mirror replacement and signage.

The total cost requested will cover new rubber flooring, new fitness equipment, room upgrades such as lighting, mirrors, and signage, and the removal of the outdated and/or broken equipment.

Thank you for your consideration.

#### References

1. Luís M Massuça, Vanessa Santos, Luís F Monteiro (2022) Identifying the Physical Fitness and Health Evaluations for Police Officers: Brief Systematic Review with an Emphasis on the Portuguese Research. *Biology (Basel)*, 11(7):1061. doi: 10.3390/biology11071061
2. Lentz L., Randall J.R., Guptill C.A., Gross D.P., Senthilselvan A., Voaklander D. The Association Between Fitness Test Scores and Musculoskeletal Injury in Police Officers. *Int. J. Environ. Res. Public Health*. 2019;16:4667. doi: 10.3390/ijerph16234667. [DOI] [PMC free article] [PubMed] [Google Scholar]
3. Marins E.F., David G.B., Del Vecchio F.B. Characterization of the Physical Fitness of Police Officers: A Systematic Review. *J. Strength Cond. Res*. 2019;33:2860–2874. doi: 10.1519/JSC.0000000000003177. [DOI] [PubMed] [Google Scholar]
4. Kyröläinen H., Häkkinen K., Kautiainen H., Santtila M., Pihlainen K., Häkkinen A. Physical fitness, BMI and sickness absence in male military personnel. *Occup. Med.* 2008;58:251–256. doi: 10.1093/occmed/kqn010. [DOI] [PubMed] [Google Scholar]



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**COMMERCIAL DIVISION**

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**Proposal For: Plymouth Police**  
**7/8/2025**

**Account Manager: Gordie Gronkowski**

**Phone: 716-812-3972 | Email: [gordie@ggfitness.com](mailto:gordie@ggfitness.com) | Fax: 716-204-2521**





7350 Transit Rd, Williamsville, NY 14221

Proposal # Q007289

Date: 7/8/2025

Acct ID: 4026220

**Account Manager:** Gordie Gronkowski **Phone:** 716-812-3972 **Fax:** 716-204-2521 **Email:** gordie@ggfitness.com

To place this order, please complete Terms & Conditions, sign and email to: commercial@livefit.com







**Market conditions may affect pricing-verify with your rep before ordering.**

**BILL TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606

**SHIP TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

	Description	Qty	MSRP	Your Price	Ext. Price
	STATE CONTRACT MC17-B16 Pricing Model O		\$ .00	NaN	\$ .00
	Gronk XFT Functional Trainer 200lb Weight Stack- V4 (threaded cable) Model 5001-G3	1	\$3,149.00	\$2,499.00	\$2,499.00
	True Launch Treadmill Model TC3-DA-35	1	\$4,000.00	\$2,600.00	\$2,600.00
	True Unite LED Treadmill Console Model CC6-LT0A	1	\$799.00	\$559.30	\$559.30
	True Gravity Cross Trainer Model XC2-XA-35	1	\$4,400.00	\$2,860.00	\$2,860.00
	True Cross Trainer Unite LED Console Model CC6-L1XA	1	\$799.00	\$559.30	\$559.30
	OCTANE Surge- Indoor Cycle Model BC1000	1	\$2,799.00	\$2,099.25	\$2,099.25



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20 Long Pond Rd  
Plymouth, MA 02360-2606

**SHIP TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

	Description	Qty	MSRP	Your Price	Ext. Price
	DUMBBELL,HEX,RUBBER,5LB W/CONTOURED HANDLE Model SDR-005 7-17 The only thing worth keeping is the 40-100lb Rubber Hex Dumbbells. They already have a 5-100lb dumbbell rack.	2	\$10.50	\$8.93	\$17.85
	DUMBBELL,HEX,RUBBER,10LB W/CONTOURED HANDLE Model SDR-010	2	\$21.00	\$17.85	\$35.70
	DUMBBELL,HEX,RUBBER,15LB W/COUTOURED HANDLE Model SDR-015	2	\$31.50	\$26.78	\$53.55
	DUMBBELL,HEX,RUBBER,20LB W/CONTOURED HANDLE Model SDR-020	2	\$42.00	\$35.70	\$71.40
	DUMBBELL,HEX,RUBBER,25LB W/CONTOURED HANDLE Model SDR-025	2	\$52.50	\$44.63	\$89.25
	DUMBBELL,HEX,RUBBER,30LB W/CONTOURED HANDLE Model SDR-030	2	\$63.00	\$53.55	\$107.10
	DUMBBELL,HEX,RUBBER,35LB W/CONTOURED HANDLE Model SDR-035	2	\$73.50	\$62.48	\$124.95



7350 Transit Rd, Williamsville, NY 14221

Proposal # Q007289

Date: 7/8/2025

Acct ID: 4026220

**Account Manager:** Gordie Gronkowski **Phone:** 716-812-3972 **Fax:** 716-204-2521 **Email:** gordie@ggfitness.com

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20 Long Pond Rd  
Plymouth, MA 02360-2606

**SHIP TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

	Description	Qty	MSRP	Your Price	Ext. Price
	Gronk Commercial Series FID Bench with Carbon Fiber Upholstery Model 4201-G1	1	\$649.00	\$551.65	\$551.65
	GRONK XC HACK SQUAT/LEG PRESS Model 5914-G1	1	\$2,499.00	\$1,599.00	\$1,599.00
	GRONK HALF RACK COMMERCIAL MODULAR Model 5121-G1	1	\$1,299.00	\$1,104.15	\$1,104.15
	FM FREE STANDING HEAVY BAG BLACK Model 100-3418	1	\$599.00	\$509.15	\$509.15
	GRONK OLYMPIC BAR 7 FT ATHLETE, 1200LB TEST Model 4102-G1	1	\$269.00	\$228.65	\$228.65
	GRONK OLYMPIC CLAMP COLLAR PAIR BLACK Model 4502-G1	1	\$25.99	\$22.09	\$22.09
	GRONK 45LB GRIP PLATE VIRGIN RUBBER, OLYMPIC Model 2006-G1	12	\$112.05	\$95.24	\$1,142.91



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20 Long Pond Rd  
Plymouth, MA 02360-2606

**SHIP TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

	Description	Qty	MSRP	Your Price	Ext. Price
	GRONK 25LB GRIP PLATE VIRGIN RUBBER, OLYMPIC Model 2004-G1	6	\$62.25	\$52.91	\$317.47
	GRONK 10LB GRIP PLATE VIRGIN RUBBER, OLYMPIC Model 2003-G1	4	\$24.90	\$21.17	\$84.66
	GRONK 5LB GRIP PLATE VIRGIN RUBBER, OLYMPIC Model 2002-G1	4	\$12.45	\$10.58	\$42.33
	GRONK 2.5LB GRIP PLATE VIRGIN RUBBER, OLYMPIC Model 2001-G1	4	\$6.22	\$5.29	\$21.15
	Prism Studio Compact Commercial Package Model 400-155-206	1	\$699.00	\$594.15	\$594.15
	FLOORING QUOTE Model O		\$ .00	NaN	\$ .00
	SPORTTECH SPS ROLL RUBBER 8MM 10% BLUE/GREY Model AMRM-8MM-10%B/G	940	\$3.78	\$3.21	\$3,020.22



7350 Transit Rd, Williamsville, NY 14221

Proposal # Q007289

Date: 7/8/2025

Acct ID: 4026220

**Account Manager:** Gordie Gronkowski **Phone:** 716-812-3972 **Fax:** 716-204-2521 **Email:** gordie@ggfitness.com

To place this order, please complete Terms & Conditions, sign and email to: commercial@livefit.com

**Market conditions may affect pricing-verify with your rep before ordering.**

**BILL TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606

**SHIP TO**

Plymouth Police  
20 Long Pond Rd  
Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

Description	Qty	MSRP	Your Price	Ext. Price
SPORT PRO BASIC FLOOR PREP/INSTALL FLOOR/TURF Model INST/RUBB	840	\$4.00	\$3.00	\$2,520.00
RUBBER ADHESIVE 4-GAL Model 4-GL-RBR	3	\$550.00	\$350.00	\$1,050.00
4" vinyl cove base w/ Installation Model CVB-4	125	\$4.00	\$3.50	\$437.50
REDUCER/TRANSITION STRIP Model RDC STRP	1	\$150.00	\$127.50	\$127.50
SPORTTECH REMOVAL OF EXISTING RUBBER Model REMOVE	1	\$2,500.00	\$880.00	\$880.00
Dumpster provided by client Model DUMPSTER	1	\$0.00	\$0.00	\$0.00
Plymouth to Remove Outdated Old Equipment besides 35lb-100lb Hex Rubber DBells Model REMOVE	1	\$2,500.00	\$1,000.00	\$1,000.00



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Date: 7/8/2025

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Plymouth, MA 02360-2606  
Contact Name : James Lebreton  
Email: lebreton@plymouthpolice.com  
Phone : 508-830-4218 ext 15705

	Description	Qty	MSRP	Your Price	Ext. Price
	GRONK XC-LP LAT PULLDOWN Model 5919-G1	1	\$1,399.00	\$1,189.15	\$1,189.15
	GRONK XC SEATED CHEST PRESS Model 5902-G1	1	\$1,399.00	\$1,189.15	\$1,189.15
	GRONK XC BICEP CURL PLATE LOADED Model 5917-G1	1	\$1,299.00	\$1,104.15	\$1,104.15
	GRONK XC SEATED ROW Model 5904-G1	1	\$1,399.00	\$1,189.15	\$1,189.15

Comments:

\* Please ask about our financing options \*

**Product Total:** \$31,600.83

**Delivery & Assembly:** \$2,844.00

**Freight:** \$3,534.74

**Total:** \$37,979.57

**Sales Tax:** \$0.00

**Total (USD):** \$37,979.57



## Important Notes and Specifications

**Estimated Lead Time:** Cardio lead times are approximately 4 weeks, Strength lead times are approximately 12 weeks, Custom logo lead times 12-16 weeks.'

**Requirements:** All treadmills require a 120 volt 20 amp dedicated outlet (NEMA 5-20R receptacle). 220 volt treadmills are special order and require an 8 week lead time.

**Bolt-down Requirements:** If applicable, strength machines require a minimum of 2.5" of concrete anchor embedment not including any rubber flooring or overlays. Concrete thickness must be a minimum of 4.75". All ledger boards will be an additional charge. Extra charges may apply if your facility is found to not meet these requirements at installation time. The mounting of all wall-mounted products are at the responsibility of the owner.

**Delivery Cancellations:** All delivery cancellations require 24 hours notification. If cancelled with less than 24 hours notice, charges may apply.

**Image Disclaimer:** All efforts were taken to make the item images as accurate as possible. However, images on quotes are for representation purposes only and may not be exactly to your specific equipment options.

**Desired Delivery Date**

**Frame Color**

**Ground Floor Delivery**

No

**Upholstery Color**

**Door Size**

**Power Cord Length**

**Lift Gate Required**

No

I have read and understand all the requirements listed above: \_\_\_\_\_ (initials)

---

## Terms and Conditions

**Please select the payment terms desired:**

☐ **Pre-paid Drop Ship:** 100% of total invoice must be paid at time of order for any product shipping directly from manufacturer to customer.

Initials: \_\_\_\_\_

☐ **Pre-paid:** 50% of total invoice due as down-payment when order is placed. Balance due prior to scheduling delivery.

Initials: \_\_\_\_\_

☐ **Net\_\_\_\_\_ Days:** On approved credit or government purchase order. Full Payment will be due on or before the specified number of days.

Initials: \_\_\_\_\_

1. Any and all late payments will be assessed a 1.5% late fee charged on the remaining outstanding balance. Additional late fee charges will accrue thereafter at a rate of 1.5% per 10 day period. Orders with Pre-pay or COD terms will be effectively due on day of delivery for purposes of late charge calculations.

2. If partial deliveries are accepted by the customer, payment of those items is due as they are delivered, per the terms of the sale.

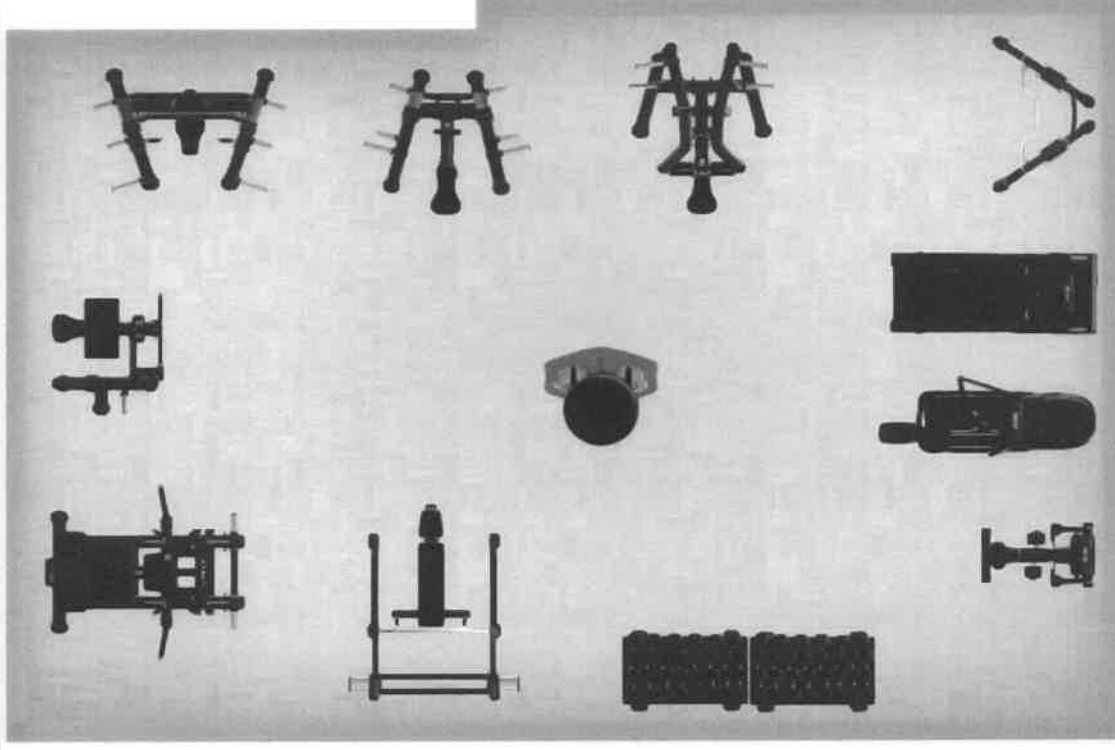
3. G&G Fitness Equipment Inc. reserves the right to reacquire any equipment equal to the dollar amount owed, including late fees, interest, extraction fees and other professional and/or attorney's fees related to the prior collection attempts of monies owed to G&G Fitness Equipment, Inc. should late payments exceed 14 days or if regular payment schedules are defaulted at any time.
4. Any and all attorney's fees and other agency fees that may result from non-payment will be charged to the party in default and may be subject to all applicable late fees and charges.
5. Terms and Conditions of sale which appear on purchaser's documents (including purchase orders) and which are inconsistent with these terms should be null and void.
6. Restocking Fee and Additional Charges: All returns will be assessed a 50% restocking fee. In addition, any incurred freight, delivery, and installation charges will be applied. If the product has already been delivered to the facility, extraction fees will also be applicable.
7. Special Order Products: Special order products are non-returnable and non-refundable. Once a special-order product has shipped from the manufacturer or vendor (or after production starts for built-to-order products), the order cannot be canceled, and the customer is required to take possession of the product.
8. Cancellation Policy for Non-Special-Order Products: If a customer wishes to cancel a non-special-order product before delivery, they may do so. However, cancellations after the product has been delivered will be subject to the restocking fee and applicable charges as stated above.
9. Delays in delivery at customer request are subject to storage fees of \$10 per month per piece.
10. Customers with sites located beyond twenty-five miles from our nearest service depot may be responsible for additional travel charges for service on equipment even when covered under manufacturer's labor warranty.
11. Orders over five thousand dollars paid with a credit card will incur a 2% convenience fee.

Customer Approval Signature

Date

Quote valid for 7 Days

By signing you affirm that you are authorized to enter into a purchase agreement on behalf of the aforementioned organization and that you have read and agreed to all specifications, terms and conditions.



#### APPROXIMATION OF FLOOR AND PLANNING AREA

Floor Plan measurements are approximate and are for illustrative purposes only. While we do not doubt the floor plans accuracy, we make no guarantee, warranty or representation as to the accuracy and completeness of the floor plan. You or your advisors should conduct a careful, independent investigation of the property to determine to your satisfaction as to the suitability of the property for your space requirements.



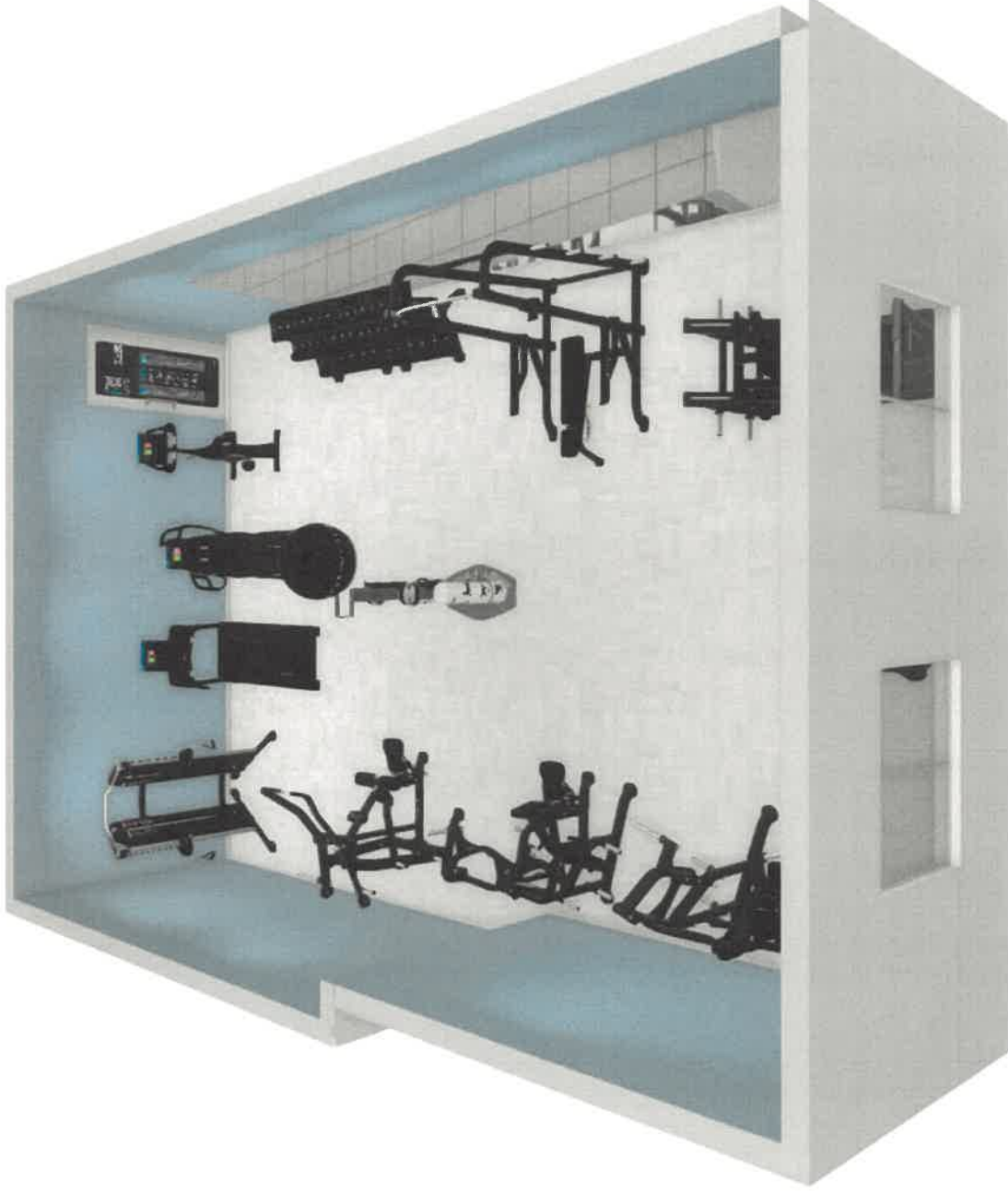
#### APPROXIMATION OF FLOOR AND PLANNING AREA

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#### APPROXIMATION OF FLOOR AND PLANNING AREA

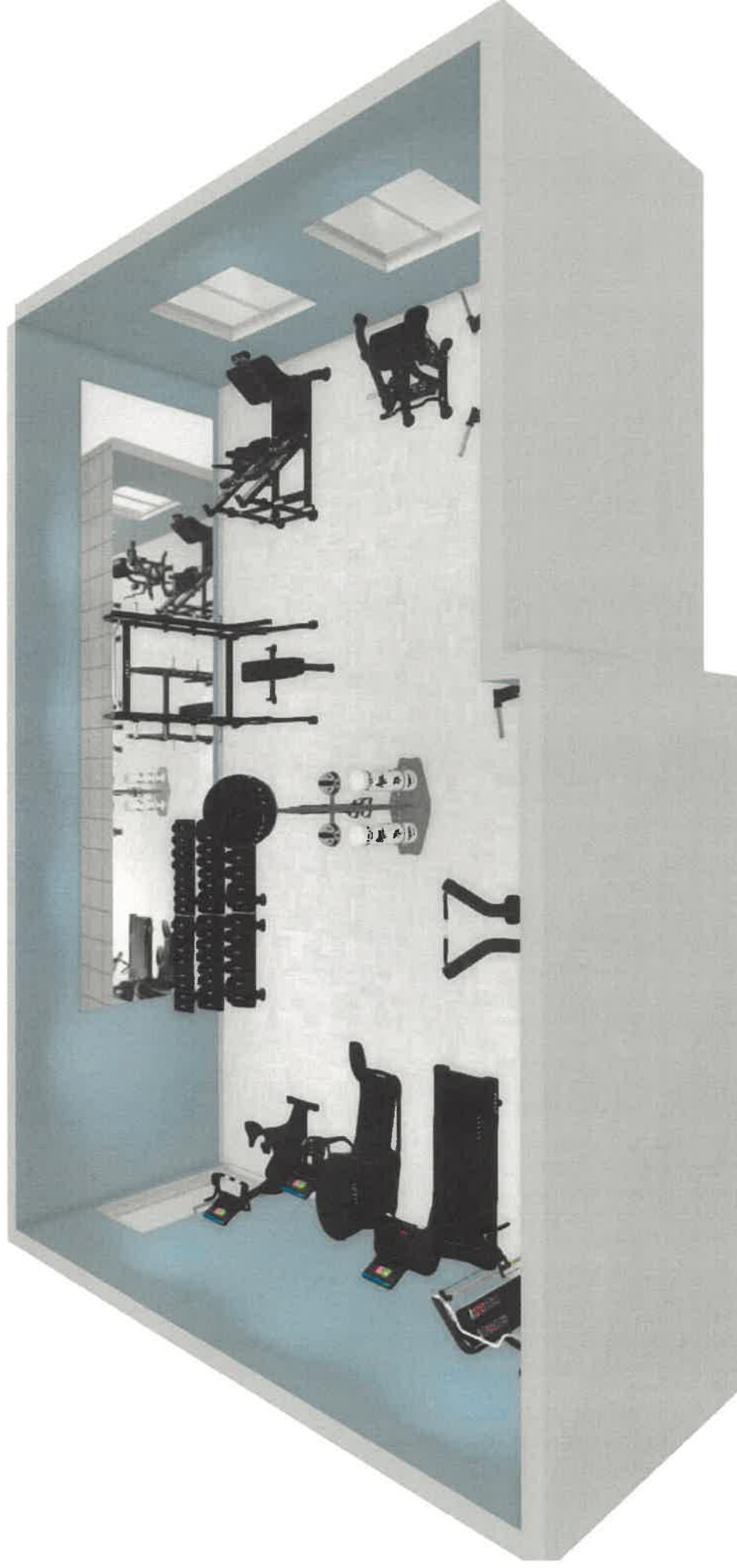
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# B16

contract term: 02/01/2024 through 01/31/2029

strategic sourcing manager Luke Hoefler

lhoefler@mhec.net

(413) 992-2575

100 university drive, suite 1 | Amherst, MA 01002

web: mhec.net

**Athletics: PE, Sports, Weight and Gym**

## contract landing page

This contract has an information hub called a **contract landing page**. The landing page is an online location of all things relating to this contract, in an easy to use, accessible format. To access the landing page, you must be logged in and enter through the secure products and services categories page. The URL to the products & services page is shown above. Once there, you can hover over the icons to view the contract landing pages. Contracts may be located in more than one category, though it is the same landing page. We invite you to make use of this contract's landing page to locate information regarding supplier contract terms, pricing, disadvantaged business status, and marketplace participation status. A sortable product and services spreadsheet is available, along with a list of current promotions, addendums, news items and frequently asked questions. A single page (front and back) pdf Sell Sheet is available for each supplier and provides an easy reference for their specific contract terms. The landing page does not replace the contract but works in concert to enable buyers to easily find information to aid them in their purchasing decisions.

## compliance

This contract adheres to the strict standards of the **MGL 30b** for fair, open and competitive bidding. In addition, MHEC procurement practices were reviewed the law firm of Hirsh, Roberts, and Weinstein and found to be compliant with the uniform standards of the U.S. Education Department General Administrative Regulations (**EDGAR**).



### **addenda**

Changes to this contract will be listed here, if they occur.

# Athletics: PE, Sports, Weight and Gym

## Contract Notes

### General Notes on the Contract

The B14 contract categories were realigned into two, separate contracts:

MC16-B14 Parks, Playgrounds and Recreation

MC17-B16 Athletics: PE, Sports, Weight and Gym

If you do not see a supplier or category listed, please ensure you are searching the correct contract.

- BID POST DATE: 24 July 2023

- BID OPENING: 08 September 2023

- BID RESPONSE: 29 responses

- AWARDS: 29 awarded suppliers

- NO LONGER ON CONTRACT:

- Gym Source USA, LLC
- Kompan Playgrounds
- Life Fitness LLC
- Sunbelt Rentals (now on G32)

- SMALL BUSINESSES:

- Pro-Quip Inc
- Grand Slam Safety, LLC

- DIVERSITY SUPPLIERS:

- M.E. O'Brien & Sons Inc. - Women-Owned Business Enterprise

- NEW SUPPLIERS:

- ArbiterSports LLC
- Ardent Fitness LLC
- Centurion Partners Health and Fitness LLC dba Fitnessmith
- Eleiko Sport Inc
- Fitness Superstore, Inc.
- Grand Slam Safety, LLC
- Hertz Furniture Systems LLC
- Matrix Fitness a division of Johnson Health Tech
- MFAC, LLC dba MF Athletic
- National Equipment and Facility Solutions, Inc
- Power Systems, LLC
- Pro-Quip Inc
- R.A.D. Sports
- Replay Maintenance USA
- Riddell / All American
- Ringside / Fitness First / Combat Sports International
- Robert H Lord Company, Inc
- Sport Pro Surfacing
- True Fitness Technology

- NEW CATEGORIES:

- Athletic Flooring & Turf
- Athletic Technology, Software
- Athletic Technology, Supplies & Services
- Athletic, Gym, Sport - Custom
- Climbing - Walls, Holds, Supplies
- Pool, Aquatics - Supplies

- PLACING ORDERS: When requesting a quote or placing any form of an order please proceed to do the following:

(a) Identify yourself as an MHEC Member

(b) Reference MHEC Contract B16

Utilizing these steps will ensure proper contract pricing and tracking of all volume done under the MHEC contract.

**Product Categories - Use this list to search the Web under Product Categories**

Accessible & Inclusive Gym, Athletic & Sports Apparel, Athletic Fitness Equipment - Cardio, Athletic Fitness Equipment - Cardio & Athletic Fit, Athletic Fitness Equipment - Other, Athletic Fitness Equipment - Strength & Weight, Athletic Flooring & Turf, Athletic Footwear, Athletic Protective & Safety Equipment, Athletic Sporting Goods, Equipment, Gear, Athletic Sports Medicine Equipment & Supplies, Athletic Technology, Software, Athletic Technology, Supplies & Services, Athletic, Gym, Sport - Custom, Athletic, Gym, Sport - Fixtures, Athletic, Gym, Sport - Stadium & Arena, Climbing - Walls, Holds, Supplies, Entire Catalog, Installation, Physical Education Equipment & Supplies, Pool, Aquatics - Supplies, Preventative Maintenance & Repair, Services - Miscellaneous, Supplies - Miscellaneous

**Web Page Search Instructions link:**

<http://private.mhec.net/pdf/SearchInstructions.pdf>

**Special Notes on Individual Vendors**

**New on Contract**

Ardent Fitness LLC  
BSN Sports LLC  
Centurion Partners Health and Fitness LLC dba Fitn  
Eleiko Sport Inc  
Fitness Superstore, Inc.  
Fitness Ventures International, LLC DBA Aktiv Solut  
**G&G Fitness Equipment, LLC dba Gronk Fitness**  
Grand Slam Safety, LLC  
Hertz Furniture Systems LLC  
M.E. O'Brien & Sons Inc.  
Matrix Fitness a division of Johnson Health Tech  
Medco Supply Co.  
MFAC, LLC dba MF Athletic  
National Equipment and Facility Solutions, Inc  
Power Systems, LLC  
Precor, Inc. a subsidiary of Peloton Interactive  
Pro-Quip Inc  
R.A.D. Sports  
Replay Maintenance USA  
Riddell / All American  
Ringside / Fitness First / Combat Sports Internation  
Robert H Lord Company, Inc  
School Health Corporation  
Scoreboard Enterprises, Inc.  
Sport Pro Surfacing  
Stadium System, Inc.  
Three T Enterprises DBA Grogan Marciano Sportin  
True Fitness Technology

## Athletics: PE, Sports, Weight and Gym

### Instructions and Information pertaining to the use of this contract

- 1 The bidder's response to the IFB and subsequent negotiation shall carry forward to this contract in its entirety without exceptions.
- 2 Suppliers are required to market products and services to the MHEC membership directly and continue to promote sales volume through quality and superior service.
- 3 Upon request, suppliers will supply individual written quotes based on the terms of their individual contract, i.e., if pricing is based on a discount off list, the quote will show current list, contract discount and net price. If based on a markup over dealer net, it will show dealer cost, contract markup and MHEC Net Price.
- 4 Discount pricing may be offered to a member above and beyond this contract discount structure in the form of: Special Deals, Sales Catalogs or Bulletins, Promotional Sales, and Additional Volume Discounts through special quotes for committed dollar purchases, as long as the same pricing will be offered to all current and future member customers who meet the same criteria for the special pricing.
- 5 Use of the contract is left to the discretion of each respective member. No guarantee of volume has been made to the supplier.
- 6 Suppliers will make every effort to identify purchasers contacting them to determine MHEC membership and extend the MHEC pricing and any benefits. Any customer who meets the MHEC criteria for membership within the 6 state region such as following list, will be afforded the opportunity to join the MHEC prior to finalizing the sale. (Please refer customer to [www.mhec.net](http://www.mhec.net) for membership process)
  1. Non-profit, public and private colleges / universities
  2. Not for profit technical, charter, and vocational schools
  3. Municipalities including K-12, and Libraries
- 7 All discount percentages as stated in this contract will remain as is for the life of this contract.
- 8 The supplier will ship and bill the material requested on each purchase order directly to the respective member. Substitutions will not be allowed without the consent of the ordering department.
- 9 Either party may terminate this contract for convenience, without penalty, upon Sixty (60) days written notice to the other party.
- 10 For Members:

You may be required to use a website, a vendor special code or a participating agreement to obtain the contract benefits and receive special contract pricing.
- 11 Wage Rates: Please visit each States' Department of Labor and Development referencing details or Prevailing Wage Rates and how they are to be paid on State Jobs and how payroll records are to be maintained. Per the AG, Division of Occupational Safety, prevailing wage rates are subject to change annually. Each job performance must include an updated prevailing wage rate chart. It is the responsibility of the contracted supply partner to request this from the member requesting service. Note that several of our schools are public and it is the vendor's responsibility to follow the wage rate guidelines if necessary. This list is included but not limited to New England. It is the responsibility of the supplier to request prevailing wages from members when performing services where prevailing wages apply.

MA -

<http://www.mass.gov/?pageID=elwdagencylanding&L=4&L0=Home&L1=Workers+and+Unions&L2=Wage+and+Employment+Related+Programs&L3=Prevailing+Wage+Program&sid=Elwd>



CT- <http://www.ctdol.state.ct.us/wgwkstnd/wgmenu.htm>

RI - <http://www.dlt.ri.gov/pw/>

VT - <http://www.vtlmi.info/occupation.cfm>

ME - [http://www.maine.gov/labor/labor\\_laws/wagehour.html](http://www.maine.gov/labor/labor_laws/wagehour.html)

NH - <http://www.labor.state.nh.us/>

- 12 This contract contains installation and services which may fall under a State's prevailing wage laws and guidelines of the MHEC public members. In addition, depending on the scope, circumstances, applicable state laws or procurement guidelines, the MHEC public members may be required to obtain separate quotes or publicly bid installation services.

## Warranty Key

A	1 Year
B	1 Year limited
C	1 Year Parts
D	1 Year unless otherwise noted
E	10 Years
F	1-5 year warranty depending on the item
G	1yr manufacturer; 10yr excessive wear
H	1yr on materials and labor w/ exceptions
I	2 Year
J	2 Year Parts, 1 Year Labor
K	3 Year
L	3 Year Parts
M	3 Year Parts and Labor
N	3-5 year warranty
O	4 Months
P	5 Year
Q	5-25 yrs for manufacturer's defects
R	6 Months
S	<a href="http://content.riddell.com/terms-conditions/">content.riddell.com/terms-conditions/</a>
T	Dynamic Fitness Commercial Warranty
U	Echelon Commercial Warranty
V	Frame=Life prts=1y wear itms=90d lbr=30d
W	Frames 1 Year, Aluminum 5 Years
X	<a href="http://tinyurl.com/2e9vdu63">http://tinyurl.com/2e9vdu63</a>
Y	<a href="http://tinyurl.com/3utmu89j">http://tinyurl.com/3utmu89j</a>
Z	<a href="http://tinyurl.com/j96cta7n">http://tinyurl.com/j96cta7n</a>
AA	<a href="http://tinyurl.com/swrfez49">http://tinyurl.com/swrfez49</a>
AB	<a href="https://corehandf.com/warranty/">https://corehandf.com/warranty/</a>
AC	<a href="https://powerplate.com/">https://powerplate.com/</a>
AD	<a href="https://troyfitness.com/">https://troyfitness.com/</a>
AE	<a href="https://www.gosportsart.com/">https://www.gosportsart.com/</a>
AF	<a href="https://www.hoistfitness.com/">https://www.hoistfitness.com/</a>
AG	<a href="https://www.landice.com/">https://www.landice.com/</a>
AH	<a href="https://www.scifit.com/">https://www.scifit.com/</a>
AI	<a href="https://www.tkostrength.com/">https://www.tkostrength.com/</a>
AJ	Limited
AK	Limited Lifetime
AL	Limited Warranty
AM	Listed in catalog and on website
AN	Main components=10yr; Others=6-12months
AO	Manufacturer Warranty
AP	Manufacturer Warranty - 1 Year
AQ	Manufacturer Warranty - 90 Days
AR	Most items-5yr; Portable equip, prts-1yr
AS	Most items-5yr; portable equip. & parts-
AT	N/A
AU	None
AV	One Year on Materials and Labor
AW	Parts-3yr, Labor-1yr, Frame-5yr
AX	Parts-3yr, Labor-1yr, Frame-7yr

AY	Parts-3yr, Labor-3yr
AZ	Parts-5yr, Labor-1yr, Frame-10yr
BA	Racks=10yr; Storage=5yr; Accessories=1yr
BB	Spirit Commercial Warranty
BC	SS 15y, GalvStl&Plstc 10y, SynthGrass 8y
BD	The Abs Company Commercial Warranty
BE	<a href="http://troyfitness.com/pages/warranty-claims">troyfitness.com/pages/warranty-claims</a>
BF	Varies per product; 1 year - Lifetime
BG	<a href="http://www.gillporter.com">www.gillporter.com</a>
BH	<a href="http://www.grandslamsafety.com/warranty">www.grandslamsafety.com/warranty</a>
BI	<a href="http://www.porterathletic.com">www.porterathletic.com</a>
BJ	<a href="http://www.specseats.com">www.specseats.com</a>
BK	<a href="http://www.sturdisteel.com">www.sturdisteel.com</a>
BL	<a href="http://www.trxtraining.com/pages/commercial">www.trxtraining.com/pages/commercial</a>
BM	<a href="http://www.trxtraining.com/pages/warranty">www.trxtraining.com/pages/warranty</a>

## Athletics: PE, Sports, Weight and Gym

### 7 G&G Fitness Equipment, LLC dba Gronk Fitness

<u>Address</u>	7350 Transit Rd	<u>Contact</u>	Tony Giordano
	Williamsville, NY 14221	<u>Phone</u>	585-506-6079
<u>Email</u>	tony@livefit.com	<u>Tollfree</u>	800-537-0516
<u>Web</u>	www.livefit.com	<u>Cell</u>	
<u>SDO</u>		<u>Fax</u>	716-204-0115
<u>Biz Type</u>		<u>FBI #</u>	16-1365573

<u>Return Policy</u>	All unopened/unused merchandise may be returned within 30 days for a full refund. Delivery fees non refundable. Any non-defective, opened or used, mechanical, non-mechanical merchandise may be returned within 30 days of purchase for full store credit or r
<u>Major Credit Cards</u>	MC, Visa, Amex, Discover
<u>Delivery</u>	Varies per product configuration, colors, etc; 1-16 weeks.
<u>Cash Terms</u>	Net 45
<u>Prompt Pay</u>	No
<u>Offer Extended</u>	Offer IS extended to Faculty, Staff & Students
<u>FOB</u>	Origin
<u>Freight</u>	Freight Delivery and Install will vary per product depending on configurations, bolt downs, wall mounts, flooring products and the difficulties of final placement of the equipment and floor. (ie; stairs, elevators etc).
<u>Minimum Order</u>	No
<u>Additional Terms</u>	MC17-B16

	Yes	No	Pending	Restricted	Restrictions Defined
<u>Contract</u>					
<u>extended to</u>					
<u>New England</u>					
<u>States:</u>					

# Athletics: PE, Sports, Weight and Gym

## Orders

Tony Giordano  
7350 Transit Rd  
Williamsville, NY 14221  
Phone: 585-506-6079  
TollFree: 800-537-0516  
Email: tony@livefit.com

## Sales Rep

Tony Giordano  
7350 Transit Rd  
Williamsville, NY 14221  
Phone: 800-537-0516 x7213  
TollFree: 800-537-0516  
Cell: 585-506-6079  
Email: tony@livefit.com

## Brand: Cybex

### Warranty

Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	AO	15-20%	<a href="#">B16 Gronk Life Fitness Pricelist.pdf</a>
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## Brand: Dynamic Fitness

### Warranty

Athletic Fitness Equipment - Strength & Weight	All Products-ACCELL	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Accessory	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Annex	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Bumper Plates	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Gladiator	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Mzone	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Platforms	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Rack Connector	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-RIG	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Titan	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Titan Functional	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Titan G2	T	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Ultra pro	X	30%	<a href="#">B16 Gronk Dynamic Pricelist.pdf</a>

## Brand: Echelon Fitness

### Warranty

Athletic Fitness Equipment - Cardio	All Products-Smart Connect Bikes	U	25%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Smart Rowers	U	25%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Stride Smart treadmills	U	25%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>
Athletic Fitness Equipment - Other	All Products-Commercial Studio	U	35%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>

# Athletics: PE, Sports, Weight and Gym

## Brand: Echelon Fitness

		Warranty		
Athletic Fitness Equipment - Other	All Products-Commercial Subscriptions	U	10%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>
Athletic Fitness Equipment - Other	All Products-Reflect Smart Mirrors	U	20%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Commercial Strength	U	20%	<a href="#">B16 Gronk Echelon Pricelist.pdf</a>

## Brand: Fitbench

		Warranty		
Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	AN	20%	<a href="#">B16 Gronk Fitbench Pricelist.pdf</a>

## Brand: FJ Roberts

		Warranty		
Athletic Flooring & Turf	All Products-Entire Catalog	G	20%	<a href="#">B16 Gronk FJ Roberts Pricelist.pdf</a>

## Brand: Gronk Fitness

		Warranty		
Entire Catalog	All Products	V	15%	<a href="#">B16 Gronk Gronk Fitness Pricelist.pdf</a>

## Brand: Hammer Strength

		Warranty		
Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	AO	5-20%	<a href="#">B16 Gronk Life Fitness Pricelist.pdf</a>

## Brand: Life Fitness

		Warranty		
Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	AO	5-20% on equipment; training and connectivity @ commercial prices	<a href="#">B16 Gronk Life Fitness Pricelist.pdf</a>

## Brand: Prism Fitness

		Warranty		
Athletic Fitness Equipment - Other	All Products-Entire Catalog	BA	25%	<a href="#">B16 Gronk Prism Pricelist.pdf</a>

## Brand: SciFit

		Warranty		
Athletic Fitness Equipment - Cardio	All Products-Entire Catalog	AO	10-20%	<a href="#">B16 Gronk Life Fitness Pricelist.pdf</a>

## Brand: Spirit Fitness

		Warranty		
Athletic Fitness Equipment - Cardio	All Products-Air	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Bikes	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Ellipticals	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Recumbent	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Rowers	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Spin	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Steppers and Climbers	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Cardio	All Products-Treadmills	BB	30%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>
Athletic Fitness Equipment - Strength & Weight	All Products-Strength	BB	25%	<a href="#">B16 Gronk Spirit Pricelist.pdf</a>

## Brand: The Abs Company

		Warranty		
Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	BD	25%	<a href="#">B16 Gronk Abs Company Pricelist.pdf</a>

## Brand: Thor Performance

		Warranty		
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## Athletics: PE, Sports, Weight and Gym

### Brand: **Thor Performance**

Athletic Flooring & Turf	All Products-Entire Catalog	Q	25%	<a href="#">B16 Gronk Thor Performance Pricelist.pdf</a>
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### Brand: **Troy Barbell**

Athletic Fitness Equipment - Strength & Weight	All Products-Entire Catalog	BE	30%	<a href="#">B16 Gronk Troy Barbell Pricelist.pdf</a>
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### Brand: **TRX**

Athletic Fitness Equipment - Other	All Products-Entire Catalog	BM	30%	<a href="#">B16 Gronk TRX Pricelist.pdf</a>
------------------------------------	-----------------------------	----	-----	---



**PROPOSAL:** Town of Plymouth Police 20 Long Pond Road Plymouth, MA 02360  
**Job Site:** Town of Plymouth Police 20 Long Pond Road Plymouth  
**Phone:** 774-454-9438 **Jamie Lebreton**      **EM:** lebreton@plymouthpolice.com  
**Estimator:** JT BH  
**Office:** 508-746-1955  
**Mass. Home Improvement Contractor ID** 101550

*Shiretown agrees to perform in a good and workmanlike manner all work detail below:*

**Mirrors:**

- Supply and Install Three (3) 72" x 80" Clear Mirrors onto Existing Wall in the Gym to be Installed with Mirror Mastic and Brushed Nickel J- Channel

**Total Materials and Labor \$3,606.73**

**Relocate Mirrors:**

- Remove and Relocate Three (3) Existing Mirrors (Shiretown Glass is Not Responsible for Broken or Damaged Glass During Removal and Relocation) Plus Any Required Mirror Mastic And/or J-Channel

**Labor Cost \$125 Per Hour Per Man Plus Materials (Total Labor to be Determined at Install – Predicting At Least 4 Hours)**

**Prevailing Wage is not included**

**Please Note:** If a Permit is required, customer will be responsible for payment upon issuance of Permit, unless otherwise stated in Proposal/Contract. This would also include Reimbursement of any Engineering and/or Architect Plans required for Approval by Town to be paid at time of request.

Shiretown does not include any painting or staining unless specified in this contract. We use only first quality materials. Our technicians are master craftsmen who take great pride in the quality of their work, paying special attention to every detail and aspect of the job at hand. Price includes labor and applicable tax.

*Please note our normal time frame to receive product is about 6-8 weeks with another 1-2 weeks to start work WEATHER PERMITTING however due to manufacturer supply chain issues this time frame may be extended. Due to fluctuating market prices quotes expire after 14 days. After 14 days we will revisit pricing. Lumber prices subject to change*

**Section 2: SHIRETOWN agrees to do all work described in Section 1 for the sum of:**

**As Stated Above**

**Payments to be made as follows:** 50% deposit (Total Due) upon signing contract to place order, and final payment due upon completion of job. Any Unpaid Balance after thirty (30) days will be subject to an 18% Late Fee.

**Contractor's Signature** Bill Hallisey      **Date Signed** 09/09/25

**Acceptance of Proposal** \_\_\_\_\_      **Date Signed** \_\_\_\_\_

*If proposal is acceptable, please sign and return with deposit. Mail address is Shiretown Glass, 186 Standish Avenue, Plymouth MA 02360. Receipt of deposit constitutes acceptance of proposal. Thank you.*

SHIRETOWN Glass & Home Center has been servicing the south shore for over 50 years and still carries an impeccable reputation for quality and service, please feel free to contact us at [www.shiretownhomeimprovements.com](http://www.shiretownhomeimprovements.com)

**PLEASE NOTE:** Due to the vast majority of vendors facing product delays/shortages in raw materials to complete their product in a timely manner to supply us, your order will most likely experience an extended lead time. After your order has been placed, we will acknowledge the ETA (*Estimated Delivery Time*) provided by our vendor with you, which again may be several weeks. We appreciate your patience and understanding during this time. Please do not hesitate to contact our office at any time.

**PERMITS:**

It shall be the obligation of the contractor to obtain the permits and any homeowner who secures their own permits will be excluded from the guaranty fund provisions of Massachusetts General laws Chapter 142A. Unless included above, all permit fees will be invoiced to owner according to individual Town Fees. Due to the nature of differing towns, fee cannot be determined at time of contract. In accordance with 780 CMR 105.3.1 Action on Application. The building official shall examine or cause to be examined application for permits and amendments and shall issue or deny the permit within 30 days of filing. If the application or the construction documents do not conform to the requirements of 780 CMR and all pertinent laws under the building official's jurisdiction, the building official shall deny such application in writing, stating the reasons therefore.

**Here are your Terms and Consumer Rights under the**

**Massachusetts Home Improvement Contractors Program & Federal Trade Commission**

**(FTC Right to Cancel Ruling)** (under Massachusetts General laws Chapter 142 A s. 2, "any deposit required under the contract to be paid in advance of the commencement of work under the contract shall not exceed the greater of one third of the total contract price or the actual cost of any materials or equipment of a special order or custom-made nature which must be ordered in advance of the commencement of work in order to assure that the project will proceed on schedule. No final payment shall be demanded until the contract is completed to the satisfaction of the parties thereto")

**RIGHT TO CANCEL**

The owner has the right to cancel this agreement at any time within three days from the date hereof, provided that the owner notifies the contractor in writing at his main office or branch by ordinary mail posts, by telegram sent or delivery, not later than midnight of the third business day following the signing of this agreement.

**Section 3 COMMENCEMENT**

Contractor will not begin the work or order the materials before the third day following the signing of this agreement, unless specified here in writing. .

**Section 4 NO ACCELERATION OF PAYMENTS BUT ESCROWING ALLOWED**

The Contractor may not allow payments to be made in advance of the times specified in Section 2 (payment) above for the reason that he deems himself or the payments to be insecure. If however he deems himself to be insecure he may require as a prerequisite to continue the work described herein, that the balance of the payments under this contract that are in control of the owner, shall be placed in a joint escrow account that requires the signature of both the contractor and the owner for withdrawal.

**Section 5 INSURANCE**

Contractor will be responsible to owner or any third party for any property damage or bodily injury caused by himself, his employees or his subcontractors in the performance of, or as a result of, the work under the agreement.

**Section 6 SUBCONTRACTING**

Contractor agrees that notwithstanding any agreement for the materials and/or labor between contractor and third party, Contractor is responsible to Owner for completion of all work described in a timely and workman like manner.

**Section 7 WARRANTIES**

The contractor warrants the work furnished hereunder shall be free from defects in materials and workmanship following completion and shall comply with the requirements of this agreement. In the event any defect in workmanship or materials, or damage caused by the contractor, his sub-contractors employees or agents, is reported to the contractor in writing within one year after completion of any job, including clean up, the contractor, shall at his own expense, forthwith remedy, repair, correct, replace, or cause to be remedied, repaired or replaced such damage or such defect in materials or workmanship. The foregoing warranties shall survive any inspection performed in connection with the agreed-upon work. All warranties for equipment supplied by the contractor under this agreement shall be those given by the manufacturers of such equipment, which shall be and are hereby passed though directly to the owner. Under such manufacturers' warranties the owner may be required to register or mail in a warranty card or other evidence of ownership and use of such equipment in order to activate such warranties. The owner's failure to mail in or register such documentation, which failure voids the manufacturer's warranty, shall not create any responsibility for the Contractor to warranty such equipment. The warranty gives the owner specific legal rights and owner may also have other rights, which vary from state to state. Under Massachusetts's law, sales of goods carry an implied warranty of merchantability and fitness for a particular purpose.

**Section 8 COMPLETENESS OF AGREEMENT FOR EXECUTION**

The owner is hereby advised that he should not sign this agreement unless and until all the blank sections have been filled in or marked as void, deleted or not applicable, and until all exhibits and related referenced documents that are incorporated herein are attached hereto.

**Section 9 COPY OF AGREEMENT TO BE GIVEN TO OWNER**

This agreement is governed by the laws of Massachusetts. It must be executed in duplicate, and an original signed copy hereof given to the owner at the time of execution. No work under the agreement shall begin prior to the signing of the agreement and transmittal to the owner of a copy thereof.

**In addition:**

Any additional rotted wood discovered at the time of the installation will be an additional charge.

Price will be current labor and material costs.

Customer is responsible for all legal costs related to the collection of payments.

We are not responsible for damaged landscaping.

**Dispute Resolution:**

The Parties agree to make best efforts to resolve any dispute regarding the agreement through direct negotiation before taking any formal dispute resolution actions. If direct negotiation fails to resolve all related issues, the Parties agree to make best efforts to resolve any outstanding issues through mediation with a mutually agreeable mediation service provider. If mediation is unsuccessful, the parties agree to resolve any dispute hereunder in binding arbitration, using a private arbitration service program approved by the Massachusetts Director of Consumer Affairs and Business Regulations. No claim may be filed for arbitration after two years from the date of the contract. Such arbitration shall be performed by private arbitration services approved by said director and shall operate in accordance with the regulations promulgated by the director. Either party may elect to pursue action Small Claims Court if the amount of the dispute is within small claims jurisdiction. All findings of fact issued from arbitration shall be taken as prima facie evidence in any subsequent appeal brought by either party ensuing from the matter considered in said arbitration. A contractor, subcontractor or homeowner may also appeal the decision of an arbitrator for a trial de novo in Superior Court or District Court. Such appeal must be filed within 21 days from the issuance of such findings and shall stay any work or payment to the owner, contractor or subcontractor. If no appeal is taken within 21 days from the issuance of the arbitrator's order, that order shall be final and binding on the parties.

All contractors and subcontractors must be registered by the Massachusetts Director of Consumer Affairs and Business Regulation and any inquiries about a contractor or subcontractor relating to a registration should be directed to the Director.

***By signing below I agree to the terms under the FTC Right to Cancel Ruling.***

-----

## ESTIMATE

**Signs By Design, Inc.**  
2 Commerce Way, Suite A  
Carver, MA 02330

Leah@signs-by-design.com  
+1 (508) 866-9600  
www.signs-by-design.com



**Bill to**  
Plymouth Police Department  
20 Long Pond Road  
Plymouth, MA 02360

**Ship to**  
Plymouth Police Department  
20 Long Pond Road  
Plymouth, MA 02360

**Estimate details**  
Estimate no.: 2276  
Estimate date: 09/09/2025

#	Date	Product or service	Description	Qty	Rate	Amount
1.		<b>Project Quote</b>	Acrylic Wall Logo 1/4" Raised Acrylic Wall Lettering & PPD Patch/Badge Installed on 2 Fitness Center Walls (8' x 20' Wall)	2	\$1,250.00	\$2,500.00
2.		<b>Quote</b>	Fitness Center Door Lettering	1	\$200.00	\$200.00
<b>Total</b>						<b>\$2,700.00</b>

**Accepted date**                      **Accepted by**





2025

POLICE LINE DO NOT CROSS

POLICE LINE DO NOT CROSS

# EXPOSURE TO TRAUMA AND VIOLENCE

Officers are often exposed to extremely difficult situations and experiences on a daily basis. As their careers go on, these experiences accumulate over time, producing cumulative stress that is difficult to quantify. <sup>1</sup> This report aims to review three years of exposure to traumatic incidents and violence.

**(508) 830-4218**



**PLYMOUTH POLICE**



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# INTRODUCTION

It is widely accepted that policing is a stressful profession, as officers are exposed to extremely difficult situations throughout their career. These experiences build up over time, leading to accumulated stress.<sup>1</sup> This type of stress can be a result of what is called *critical-incident trauma*. This is trauma that causes immediate, or delayed stress following the response to a crisis situation.<sup>2</sup> This type of cumulative stress can have major ramifications on an officer and their loved ones as it can overwhelm an individual's ability to adapt, and cope, leading to even higher levels of stress.<sup>3</sup> It is important to understand the amount of exposure that officers experience in order to create strategies that promote officer well-being. This report reviews three years of calls for service, incident reports and other data sources to understand the nature of the calls that patrol officers are facing.

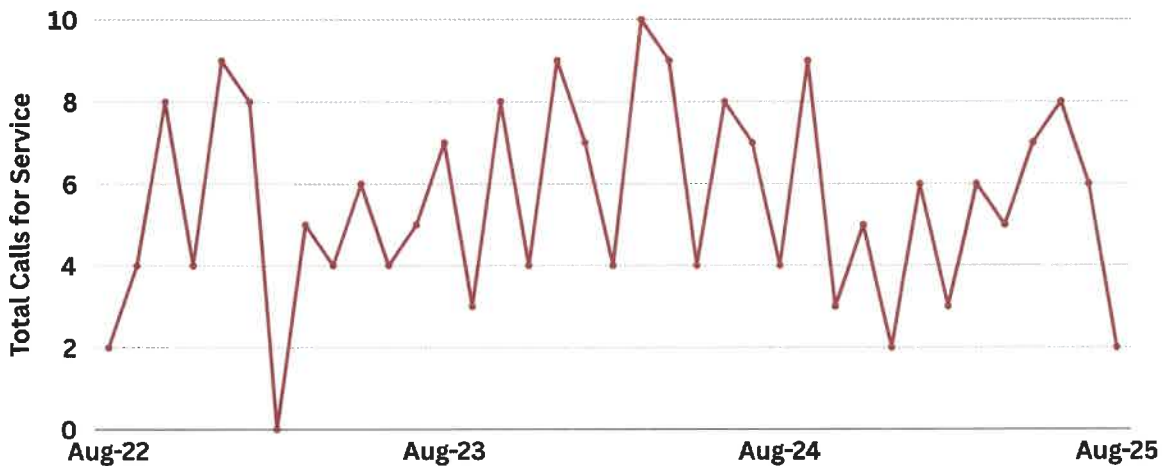
# DATA AND METHODOLOGY

Three years of calls for service, incident reports, National Incident-Based Reporting data, and Plymouth County Outreach data were reviewed in order to quantify the number of critical incidents that officers have responded to from August 21, 2022, to August 20, 2025. National Incident-Based Reporting data was reviewed on a yearly basis to facilitate analysis.

The types of incidents that were reviewed include: reported deaths, suicides and attempts, medical overdoses, injuries on duty, assaults on officers, motor vehicle accidents, murders, aggravated assaults, and child deaths.

## REPORTED DEATH

Figure 1: Reported Deaths by Month



Police responded to 205 Reported Death calls over the span of three years. These include deaths from natural causes, suicides, suspected drug overdoses, and even murder. In an average month, officers respond to approximately 5.7 reported deaths. Figure 1 illustrates the sporadic nature of these calls, with some months reaching over 8 reported death calls. While the immediate aftermath of a sudden death is known to be distressing for the bereaved survivors, it can also be impactful on the first responders who assist them.<sup>3</sup>

## SUICIDES AND ATTEMPTS

A keyword search of the word “Suicide” was entered into the police records management system to understand the prevalence of these incidents. Over the three-year review period, there were 147 incidents that involved a suicide, attempted suicide, or an individual where suicidal ideation was a concern. Police officers are often the first on scene for any type of medical, mental health, or wellbeing call. In 2025 alone, officers have responded to over 1,900 calls of this nature.

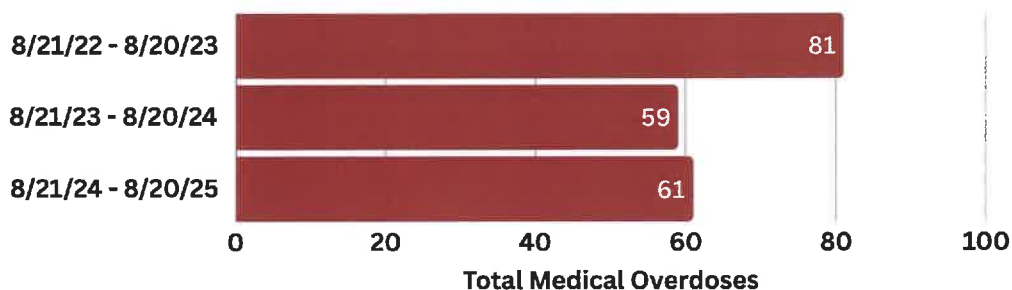
Reviewing the narratives of these reports was eye-opening, as the officers came on to the scene of tragic incidents of those who committed, or attempted suicide. It was also reassuring that the officers checked in to see if individuals had suicidal ideations. There were various methods of suicide witnessed by officers, to include hangings, self-inflicted gunshot wounds, cutting, and medicine/chemical ingestion. One extremely disturbing incident involved an individual decapitating themselves using a motor vehicle and a tree.

Officers often discovered the deceased themselves or responded after others had found the body. This situation can be very difficult as the officer needs to take care of the victim, their concerned loved ones, and maintain the scene to ensure that everything possible can be done to help. Maintaining the integrity of the crime scene is crucial, and this often requires the officer to be present with the deceased for several hours at a time; this can have a profound impact on one’s mental health.

## MEDICAL OVERDOSES

Plymouth Police responded to 201 medical overdose calls in the three-year review period. On average, officers responded to 67 a year, or approximately 5.6 a month. Calls of this nature require quick response as people are sometimes unconscious or unresponsive, with family or friends nearby in panic or grief. Officers may be first on scene and have to provide immediate aid while waiting for medical personnel. In the timeframe reviewed, there were 35 fatal events according to data collected by Plymouth County Outreach. The unpredictable nature of these incidents can have long-lasting emotional impact, adding to the accumulated stress.

**Figure 2: Medical Overdose Calls by Year**



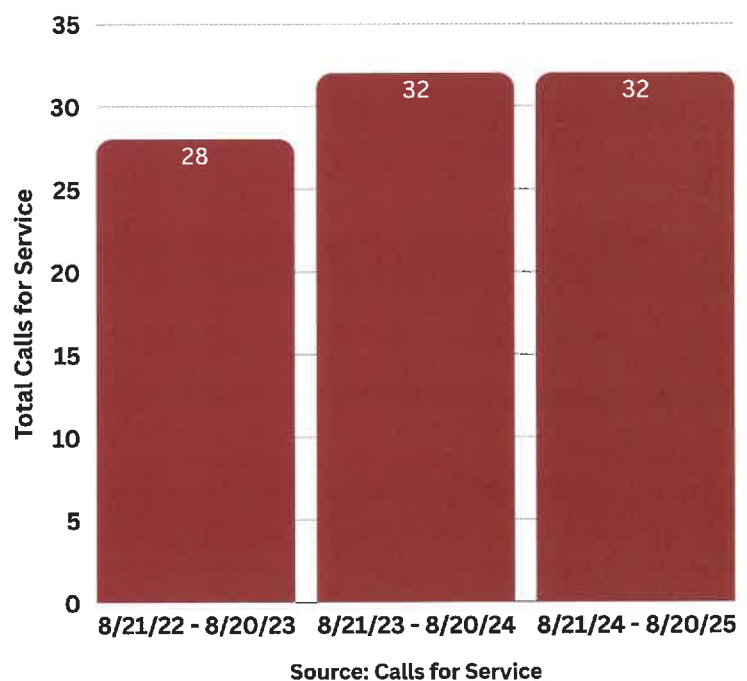
## INJURIES ON DUTY

Over the three-year period that was reviewed, there were 92 calls for service relating to an injury on duty. Of these 92 calls, 84 resulted in a report being made on the incident.

Various situations led to these injuries on duty. Many included injuries due to uncooperative individuals during an arrest. These incidents often resulted in hand injuries, muscle strain, and other injuries where an individual physically assaulted the officer while resisting arrest.

There were also several instances where an individual spit on the officer or bit the officer who was attempting to de-escalate the situation. There were 95 incidents of resisting arrest over the review period. While these did not always lead to an injury, it highlights the frequency of physical struggles in the field.

**Figure 3: Injuries on Duty by Year**



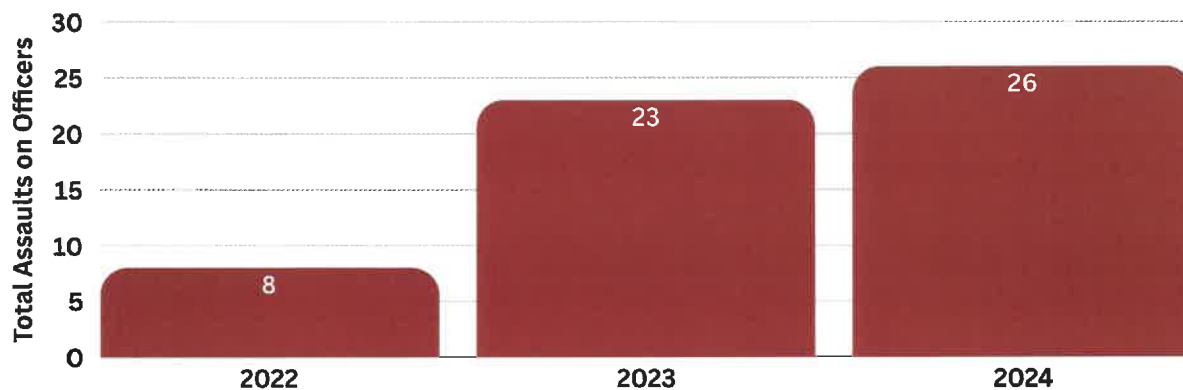


## ASSAULTS ON OFFICERS

National Incident-Based Reporting data was reviewed to explore assaults on officers. There were 57 incidents where an officer was assaulted on a scene from 2022 to 2024. Figure 4 illustrates the trends between 2022 and 2024, with the prevalence rising between years. This trend resembles what is being seen across the entirety of the Commonwealth, as assaults on officers have been increasing year over year since 2021.

During the review period, there were 78 reported offenses of assault and battery on a police officer. Assaults on officers are some of the most direct and personal threats they face in the line of duty. These incidents often happen suddenly, during disturbance calls, traffic stops, handling, transporting or maintaining custody of a prisoner, and handling persons with mental illness. Beyond the immediate risk of harm, repeated exposure to violence and hostility can impact an officer's sense of safety, trust, and well-being.

Figure 4: Assaults on Officers by Year



## MOTOR VEHICLE ACCIDENTS

When officers respond to major car crashes, especially those that cause deaths or serious injuries, the experience can be extremely traumatic. These scenes are often chaotic, as officers and other first responders try to provide aid to victims, and maintain order and safety for others on scene. <sup>4</sup>

Over the time period reviewed, Plymouth Police officers responded to 6 fatal motor vehicle accidents. Of these 6 incidents, there were four instances where Plymouth Police officers were the first on scene to administer life saving measures. After reviewing the narratives of the six reports, three of these incidents involved severe bodily injuries, like profuse bleeding from the victim's head. One of which saw a victim lying face down in the roadway in a pool of blood and tissue matter.



Other incidents of serious bodily injury were responded to by police. There were 43 separate instances where injuries were deemed serious. Fortunately, these victims were able to survive these accidents. Although these incidents did not end in a fatality, the scene is still often traumatic and can have lingering effects on those who respond to the victims' aid. Officers responded to incidents that resulted in the amputation of limbs, compound fractures and other injuries of this nature.

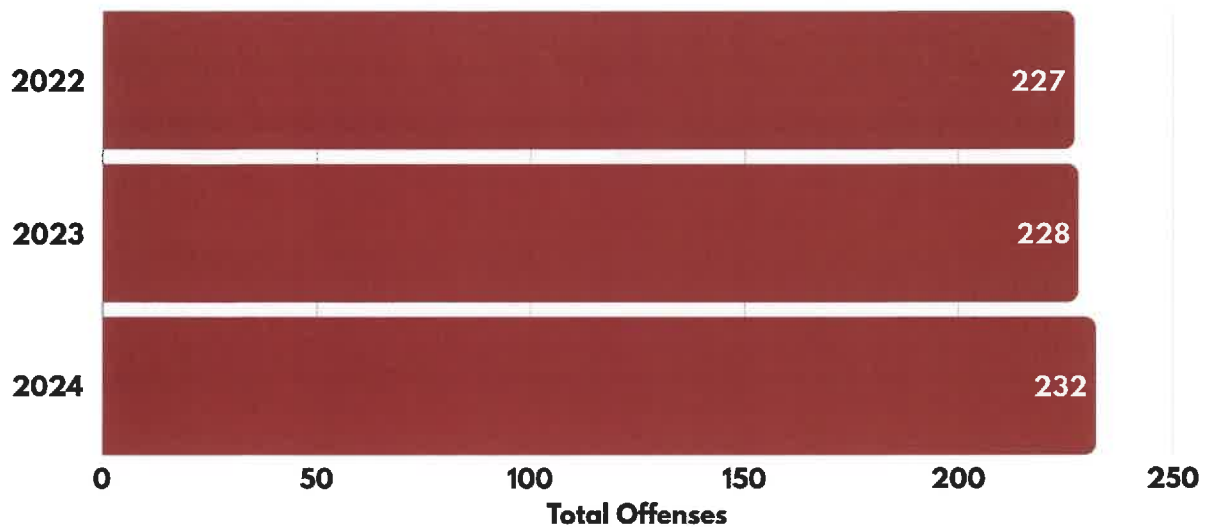
## **MURDER AND AGGRAVATED ASSAULTS**

While murders are less common in the community, they remain among the most disturbing calls an officer can face. Over the three-year period, officers responded to three murders; one saw the victim stabbed and the others saw the victim die from multiple gunshot wounds. Even though these types of incidents are rare, they can leave a strong impression. These types of crime scenes can be difficult to process and can lead to critical-incident trauma. Some of the reactions to this type of trauma include:

- Intrusive thoughts: distressing memories, nightmares, and flashbacks
- Distress at exposure to similar events
- Avoids thoughts and emotions connected with incidents
- Numbing or restricted range of emotional responsiveness
- Hyper vigilance
- Overreaction/under-reaction/risk taking
- Increased irritability, or anger
- Feelings associated with past events.
- Self-doubt, guilt, second guessing, feeling of inadequacy
- A growing sense of isolation
- Intense sustained feeling of depression
- Mental confusion
- Development of suspiciousness in dealing with others ·
- Decline in performance, increased burnout, absenteeism
- Self-destructive behavior
- Suicidal thoughts<sup>1</sup>

Cases of aggravated assault often see officers arrive in the immediate aftermath of violent encounters. These chaotic and unpredictable environments see officers responding to injured victims, distraught bystanders, and even dangerous perpetrators. Aggravated assault offenses in Plymouth have remained steady since 2022; as illustrated in Figure 5, aggravated assault offenses have consistently been over 220. The town is projected to have 234 aggravated assault offenses in 2025.

**Figure 5: Aggravated Assaults - 2022 to 2024**



## **DEATH OF A CHILD**

While rare, these types of calls are extremely traumatic and can be devastating to respond to. A study conducted by Violanti et al. (2016), found that exposure to battered or dead children was the most stressful event that an officer could respond to, regardless of the frequency of these events.<sup>5</sup> Reviewing victim data for the review period, there were 2 sudden deaths where the victim was under the age of 18; one of those was under the age of 10 years old.

## **COPING WITH TRAUMATIC EVENTS**

Various actions can be taken following a critical incident to promote an officer's wellbeing. Some of which include: encouraging the officer to speak about the incident, listening and encouraging others to listen to the officer, avoiding junk foods and drinking plenty of fluids (no alcohol/coffee), exercising as soon as able, amongst other strategies.<sup>1</sup> Creating a support system and promoting healthy coping skills can have major implications in relieving stress and healing the impact of trauma.

## **CONCLUSION**

Over the past three years, Plymouth officers have been exposed to a wide range of traumatic and stressful incidents, from sudden deaths and suicides to violent assaults, fatal crashes and even murder. While each call is different, together they show the reality that officers face: repeated exposure to events that can have a deep and lasting impact. The day-to-day accumulation of these experiences builds over time and affects both the professional and personal lives of those who serve.

By recognizing and understanding the weight of these experiences, steps can be taken to better support officer well-being. Policing is essential work, but it comes with unseen costs. Acknowledging those costs and investing in the officers ensures that they can continue to serve effectively while protecting their own health and well-being.

## REFERENCES

1. Moad, Sergeant Chris. "Critical incidents: Responding to police officer trauma." Criminal Justice Institute (2011).
2. Clark, Richard D.; Distelrath, Catherine; Vaquera, Gloria S.; Winterich, Daniel; and DeZolt, Ernest, "Critical-incident trauma and crime scene investigation: A review of police organizational challenges and interventions" (2015). *Sociology*. 32.  
<https://collected.jcu.edu/soc-facpub/32>
3. Hargrave, Petrina Alice-Louise. Sudden death: the impact of the immediate aftermath on police officers, victim support workers, and bereaved survivors: a thesis presented in partial fulfilment of the requirements for the degree of Doctor of Philosophy in Psychology at Massey University, Wellington, New Zealand. Diss. Massey University, 2010.
4. Anja Greinacher, Cassandra Derezza-Greeven, Wolfgang Herzog & Christoph Nikendei (2019) Secondary traumatization in first responders: a systematic review, *European Journal of Psychotraumatology*, 10:1, 1562840, DOI: 10.1080/20008198.2018.1562840
5. Violanti, John M., et al. "Highly rated and most frequent stressors among police officers: Gender differences." *American journal of criminal justice* 41.4 (2016): 645-662.

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police	<b>Priority #:</b> 3	
<b>Project Title and Description:</b> Passenger Van Replacement	<b>Total Project Cost:</b>	\$88,151.

**Department/Division Head:** Chief Dana Flynn

Check if project is: New ☒ Resubmitted ☐ Cost estimate was developed: Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$76,653.	As of 8/29/25	FY32		
<i>Other</i>					
<i>Contingency</i>	\$11,498.	15%			
<b>Total Capital</b>	<b>\$88,151.</b>				

**Project Justification and Objective:** Will replace 18 year old van that has become unreliable.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
 Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2007 Ford E350 15 passenger van, VIN 1FBSS31L37DA30890

**What is the expected lifespan of this new/replacement equipment:** 10 years

**Attach backup information, estimates, or justification to support this request.**



## Plymouth Police Department

# Memo

**To:** Capital Improvement Committee  
**From:** Dana Flynn, Chief of Police  
**CC:** Derek Brindisi, Town Manager; Silvio Genao, Ass't. Town Manager; Lynn Barrett, Finance Director  
**Date:** 9/4/25  
**Re:** FY-27 Capital Request – Replacement of 15 Passenger Van

---

The Plymouth Police Department is requesting \$88,151 to replacement of our 2007 Ford E350 15 passenger van with a Ford Transit 15 passenger high roof model. The van plays a critical role in transporting veteran officers and new recruits to training and other departmental functions and public safety events. By utilizing a single passenger van, we are able to move multiple personnel without the need to utilize several vehicles. This practice significantly lowers vehicle wear and tear on our fleet, decreases fuel costs, and reduces emissions in alignment with the Town's sustainability goals.

In addition to meeting the needs of the police department, it is used by other town departments to transport large groups for special events. However, due to its age and condition, the current van has proven unreliable. Recently on separate occasions, it left both our recruits and a group of town officials stranded.

Replacing the current van with a modern, reliable passenger vehicle will ensure that we can continue to safely and efficiently transport officers, staff, and other groups. It will further reduce the demand placed on our fleet, leading to longer service lives for those vehicles, and will provide a dependable, professional means of transportation for official department and other town functions.

For these reasons, the acquisition of a new passenger van is both a practical necessity and a cost-effective investment in the operational efficiency and community service capacity of the Plymouth Police Department.



# BUDGET Estimate

Date: 8.29.25

Estimate # :

Customer ID :

To: Plymouth, MA Police  
 Captain Kevin Manuel  
 508.274.2998  
[CaptManuel@PlymouthPolice.com](mailto:CaptManuel@PlymouthPolice.com)

Salesperson : **Shawn Daoust**  
**774.556.2544**  
[SDaoust@BuyCMG.com](mailto:SDaoust@BuyCMG.com)

Contract :

BUDGET

Qty	Item #	Description	Unit Price	Line Total
1.00	<b>USX / 301a / 148"</b>	2026 Transit 350 15-Passenger Wagon High Roof 148" WB - DRW AWD - XL Trim	\$ 63,397.00	\$ 63,397.00
1.00	<b>99G / 44U</b>	3.5L V6 Gas EcoBoost Engine with 10-speed Automatic Transmission	\$ -	\$ -
1.00	<b>YZ</b>	Exterior Color - Oxford White	\$ -	\$ -
1.00	<b>21P / VK</b>	Dark Palazzo Grey Vinyl Bucket (front) Seats w/armrests	\$ -	\$ -
1.00	<b>153</b>	Front License Plate Bracket	\$ -	\$ -
1.00	<b>15C</b>	Front Black Wheel Well Liners	\$ 282.56	\$ 282.56
1.00	<b>43B</b>	Electronic Back-Up Alarm	\$ 181.72	\$ 181.72
1.00	<b>52C</b>	Keyless Entry Keypad	\$ 119.75	\$ 119.75
1.00	<b>53G</b>	Body Colored Front Bumper	\$ 239.49	\$ 239.49
1.00	<b>59C</b>	Fleet Safety Package ( the safety features are set to ON w/no driver ability to change settings, Reverse Speed Limiter, Driver Alert, Auto High Beam)	\$ 33.61	\$ 33.61
1.00	<b>66D</b>	Front Overhead Shelf	\$ 72.48	\$ 72.48
1.00	<b>67E</b>	Large Center Front Console	\$ 186.97	\$ 186.97
1.00	<b>68H</b>	Passenger Running Board (Covers the B-C pillar passenger-side)	\$ 296.21	\$ 296.21
1.00	<b>78G</b>	Wheels - 16" HD Forged Aluminum (4)	\$ 899.14	\$ 899.14
1.00	<b>86F</b>	2 Additional Keys (4 total)	\$ 72.48	\$ 72.48
1.00	<b>91B</b>	Wiper Activated Headlamps	\$ 29.41	\$ 29.41
1.00	<b>PEX</b>	Badge Delete on Rear Doors (Exterior)	\$ 39.92	\$ 39.92
1.00		Remainder of Standard Factory Equipment for this make/model/trim	\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
1.00		Ventshade Window Vents (up 4 doors)	\$ 125.00	\$ 125.00
			\$ -	\$ -
1.00		CMG Graphics - Package C with Full Length Stripe (does not incl. Chevron)	\$ 1,595.00	\$ 1,595.00
1.00		CMG Graphics - Door Jamb Kit	\$ 250.00	\$ 250.00
			\$ -	\$ -
2.00	<b>IONB</b>	Whelen ION (Solo) LED Warning Light(s) - grille	\$ 206.50	\$ 413.00
2.00	<b>AVC11 - Blue</b>	Whelen Single Avenger (solo) LED Dash Light(s) - 1 on each side of rearview mirror	\$ 250.00	\$ 500.00
2.00	<b>AVBKT55</b>	Whelen Avenger "headliner bracket(s)"	\$ 23.80	\$ 47.60
2.00	<b>I2* J / M</b>	Whelen DUO ION LED Warning Light(s) - top rear window	\$ 214.50	\$ 429.00
4.00	<b>VTX* - 2 R 2 B</b>	Whelen Vertex LED Warning Lights - In tail lights	\$ 173.00	\$ 692.00
			\$ -	\$ -
1.00	<b>HHS3200</b>	Whelen HHS 3200 (non-WeCan) Siren/Switch Controller	\$ 672.00	\$ 672.00
1.00	<b>SAK1</b>	Whelen SA315 Siren Speaker & Brkt - SAK**	\$ 323.00	\$ 323.00
			\$ -	\$ -
1.00	<b>APX - UHF</b>	Install Labor (hourly) Customer Supplied Radio - single band / single head	\$ 250.00	\$ 250.00
1.00		Black Salt & Pepper Shaker Style 2-wy Radio Antenna	\$ 95.00	\$ 95.00
			\$ -	\$ -
1.00		ShopSupplies	\$ 395.00	\$ 395.00
			\$ -	\$ -
			\$ -	\$ -
1.00		Estimated Budget Increase for FY27 (July 2026)	\$ 5,015.00	\$ 5,015.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
		* any new antennas &/or radio cables are an addtl. cost * (new NMO mount is incl. as part of radio install fee)	\$ -	\$ -
			\$ -	\$ -
1.00	<b>Trade In:</b>	Y / M / M / Mileage / Full VIN	\$ -	\$ -

**Special Instructions:**

Custom or Special Orders are Non-Refundable.  
 This Estimate is for Budgetary Purposes and is Not a Guarantee of Cost for Services.  
 Estimate is Based on Current Information From Client About the Project Requirements.  
 Actual Cost May Change Once Project Elements are Finalized.

Subtotal (each) \$ 76,652.34  
 Qty 1  
 Grand Total \$ 76,652.34

**Thank You For Choosing The Colonial Way!**

Print Name:

Title:

Signature:

Date:





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police	<b>Priority #:</b>	4
<b>Project Title and Description:</b> Rear Parking Lot Upgrades	<b>Total Project Cost:</b>	\$162,900.

**Department/Division Head:** Chief Dana Flynn

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>	\$141,652.	Total Estimate 9/9/25			
<i>Contingency</i>	\$21,248	15%			
<b>Total Capital</b>	<b>\$162,900.</b>				

**Project Justification and Objective:** Will improve drainage and freezing concerns as well as increase life expectancy of the rear parking lot.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐ No ☒

Can this project be phased over more than one fiscal year?

Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 10 years

**Attach backup information, estimates, or justification to support this request.**



## Plymouth Police Department

# Memo

**To:** Capital Improvement Committee  
**From:** Dana Flynn, Chief of Police  
**CC:** Derek Brindisi, Town Manager; Silvio Genao, Ass't. Town Manager; Lynn Barrett, Finance Director  
**Date:** 9/10/25  
**Re:** FY-27 Capital Request – Police Station Drainage Improvements

---

The Plymouth Police Department is requesting \$162,900 in capital funds to improve a drainage issue in our rear parking area at our police station located at 20 Long Pond Road. Currently, officers are required to wash their cruisers on site to maintain a professional appearance. The designated wash area has no drainage and is located on an incline, which causes water runoff to flow downhill across the parking lot.

During winter months, this runoff routinely freezes, creating hazardous conditions for both staff and visitors. These icy surfaces significantly increase the risk of slip-and-fall injuries to employees and members of the public, as well as the potential for motor vehicle accidents within the lot. This situation presents a serious liability risk for the Town and poses a direct threat to the health and safety of our workforce.

To mitigate these hazards, the Department of Public Works Engineering Division has developed a concept plan to install a drainage system that will capture and properly channel runoff from the wash area. Proposed improvements include installation of a 12-inch by 30-foot trench drain, new drain manholes with sumps, and approximately 170 linear feet of 12-inch HDPE drainpipe connected to the existing system.

As part of this project, the existing police station parking lot will also undergo crack sealing, seal coating, and restriping of parking spaces. These added improvements will extend the life of the pavement, prevent further surface deterioration, and refresh pavement markings to improve traffic flow and safety on site.

The estimated total project cost includes construction, drainage system installation, parking lot surface restoration, line painting, contingencies, and optional survey/design services. This investment will ensure long-term safety, reduce liability exposure, protect municipal property, and improve the overall condition of police station grounds while maintaining the professional standards expected of the Plymouth Police Department.

COST ESTIMATE POLICE STATION DRAINAGE IMPROVEMENTS 9-9-2025									
ITEM #	DESCRIPTION	EST. QUANTITY	UNIT	UNIT COST	COST	POLICE DETAIL (20%)	(15%) CONTINGENCY	TOTAL EST. COST	
1	12" INCH X 30' FOOT TRENCH DRAIN - COST INSTALLED	1	EACH	\$10,000.00	\$10,000.00				
2	4' DIA DRAIN MANHOLE WITH 4' SUMP - COST INSTALLED	1	EACH	\$6,000.00	\$6,000.00				
3	4' DIA. DRAIN MANHOLE - COST INSTALLED	1	EACH	\$5,500.00	\$5,500.00				
4	12" HDPE PIPE - COST INSTALLED	170	L.F.	\$70.00	\$11,900.00				
5	CONNECTION TO EXISTING DRAIN MANHOLE	1	EACH	\$1,000.00	\$1,000.00				
6	RECLAIMED ASPHALT BASE - COST INSTALLED	170	TON	\$40.00	\$6,800.00				
7	HOT MIX ASPHALT - COST INSTALLED	85	TON	\$300.00	\$25,500.00				
8	CRUSHED STONE PIPE BEDDING - COST INSTALLED	25	TON	\$35.00	\$875.00				
9	TEST PIT (OPTIONAL IF A UTILITY CONFLICT EXISTS)	1	EACH	\$1,000.00	\$1,000.00				
10	SAND BORROW (IF UN-SUITABLE MATERIAL IS PRESENT)	75	CY	\$35.00	\$2,625.00				
12	UNCLASSIFIED EXCAVATION - INCLUDES DISPOSAL	75	CY	\$100.00	\$7,500.00				
13	OPTIONAL EX. CONDITIONS TOPOGRAPHICAL LAND SURVEY	1	LUMP	\$12,000.00	\$12,000.00				
14	OPTIONAL FINAL DRAINAGE SYSTEM DESIGN	1	LUMP	\$15,000.00	\$15,000.00				
15	POTENTIAL MEETINGS/REVIEW WITH MA DEP	1	LUMP	\$5,000.00	\$5,000.00				
16	SEAL COAT	5,200	S.Y.	\$2.00	\$10,400.00				
17	CRACK SEAL	100	GALLON	\$12.76	\$1,276.00				
18	PARKING SPACE STRIPING - 4" WHITE LINE PAINT	5,000	L.F.	\$0.16	\$800.00				
					Total	NOT APPLICABLE			
					\$123,176.00	\$0.00	\$18,476.40	\$141,652.40	

TOTAL ESTIMATE: \$145,000.00



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police- Harbormaster	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Town Wharf Phase 2	<b>Total Project Cost:</b>	1,498,500

**Department/Division Head:** Chad Hunter - Harbormaster

**Check if project is:** New ☐ Resubmitted ☒ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):** FY26

**List any funding sources and amounts already granted:** Town Meeting has funded Phase one of the Town Wharf repairs (\$900k). The Town has submitted a grant request to Seaport Economic Council to potentially fund phase 2 and phase 3. If this is awarded, we will only use the approval for matching funds for the grant. Decisions are set to be out by November 25'

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$1,285,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>	\$85,000	Engineering Services			
<i>Contingency</i>	\$128,500	10%			
<b>Total Capital</b>	<b>1,498,500</b>				

**Project Justification and Objective:** This phased approach repairs were determined by a inspection and recommended repairs to Town Wharf by GEI. Timely repairs are critical to prevent closures or potential collapses of the structure protecting the Town's investment.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☒ No ☐  
Can this project be phased over more than one fiscal year? Yes ☒ No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**





# TOWN OF PLYMOUTH

## HARBORMASTER

185 WATER STREET PLYMOUTH, MA  
(508) 830-4182 / HARBORMASTER@PLYMOUTH-MA.GOV

## MEMORANDUM

TO: SANDY STRASSEL – PROCUREMENT OFFICER

FROM: CHAD HUNTER, HARBORMASTER

SUBJECT: FY27 CAPITAL – TOWN WHARF PHASE 2

DATE: SEPTEMBER 17, 2025

---

Dear Procurement Officer Strassel,

The Harbormaster Division would like to request funding in the amount of \$1,498,500 to complete necessary repairs to Town Wharf. This expenditure is able to use the waterways fund if the appropriate amount or borrowing is available.

The recommended repairs were provided by GEI Engineering services after an inspection of Town Wharf in 2023. Town Meeting has approved the Phase 1 repairs and these repairs will be completed in the winter of 25/26'. We would like to continue with Phase 2 repairs to replace identified support piles, timber, pile caps, and hardware preserving the structure and providing a safe and accessible pier to all its users.

The Town has submitted a Seaport Economic Council grant request for Phase 2 and Phase 3 with awards being announced sometime in Fall 2025. If we are awarded funding, the requested amount for phase 2 will only be used to satisfy the 20% match. The award would cover both phase 2 and phase 3 funding that would complete the repairs needed.

Please let me know if you have any questions.

Respectfully submitted,

Chad Hunter – Harbormaster

Cc. Police Chief -Dana Flynn

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police - Harbormaster	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Harbormaster Safe Boat 29 - Refit	<b>Total Project Cost:</b>	\$100,000

**Department/Division Head:** Chad Hunter - Harbormaster

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** This is a mid-life refit on the Harbormaster Safe Boat 29' vessel. This vessel was procured in 2011 with Port Security Grant Funds and has a useful life of approx 25 years. This refit would include replacement of two outboards which are over 1000 hours of use and approaching 5 years old, navigational electronics (original), soda blast the bottom to remove paint build-up and increase fuel efficiency, re-seal windows. This boat serves in a year round capacity and is left in for the harsh winter months for response to emergencies.

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design			FY28		
Labor and Materials			FY29		
Administration			FY30		
Land Acquisition			FY31		
Equipment	\$100,000	refit 29' Safe	FY32		
Other					
Contingency					
Total Capital	\$100,000				

**Project Justification and Objective:** The 29' Safe Boat serves as a highly capable foul weather vessel used for search and rescue year round. This safe boat is outfitted with a heated cabin that is critical during foul rough weather to keep crew safe and dry. This vessel is used 300-400 hours a year and outboard engines are replaced when they exceed 1500 hours or require major repairs outside of warranty.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☒      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**



# TOWN OF PLYMOUTH

## HARBORMASTER

185 WATER STREET PLYMOUTH, MA  
(508) 830-4182 / HARBORMASTER@PLYMOUTH-MA.GOV

## MEMORANDUM

TO: SANDY STRASSEL – PROCUREMENT OFFICER

FROM: CHAD HUNTER, HARBORMASTER

SUBJECT: FY27 CAPITAL – HARBORMASTER TRUCK REPLACEMENT

DATE: SEPTEMBER 17, 2025

---

Dear Procurement Officer Strassel,

The Harbormaster Division would like to request funding in the amount of \$100,000 to refit the Harbormaster 29' Safe Boat. This vessel was purchased in 2011 using Port Security Grant funding and it is about halfway through its useful lifespan of 25 years.

This vessel is used year round and has a heated full cabin that protects Harbormaster crews during severe weather. The funding would be used for the following repairs/ replacement:

- Replace 2 outboard engines
- Replace on board electronics including GPS, Radar, and Sounder
- Repair and replace leaky window seal/frames
- Soda blast bottom to remove years of bottom paint and increase fuel efficiency.

A major part of the refit will include replacement of the two outboard engines. We do replace the engines once they exceed the warranty (typically 3 years) and they approach 1500 hours or are considered unreliable. This vessel is used 300 – 400 hours per year, and the hours will approach or exceed 1500 hours in FY27.

Please let me know if you have any questions.

Respectfully submitted,

Chad Hunter – Harbormaster

Cc. Police Chief -Dana Flynn

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Police - Harbormaster	<b>Priority #:</b>	3
<b>Project Title and Description:</b> State Pier Permitting/ Design	<b>Total Project Cost:</b>	\$40,000

**Department/Division Head:** Chad Hunter - Harbormaster

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design	\$40,000		FY28	\$140,000	
Labor and Materials			FY29		
Administration			FY30		
Land Acquisition			FY31		
Equipment			FY32		
Other					
Contingency					
Total Capital	\$40,000				

**Project Justification and Objective:** We are looking to permit and design a new layout/float system that is Town owned at the State Pier near the Mayflower II. This dock currently provides tie up space for over 50 tenders and an area to pick up and drop off which is usually too overcrowded to use. We would like to design a larger and more accessible area for future use.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☒      No ☐  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**



# TOWN OF PLYMOUTH

## HARBORMASTER

185 WATER STREET PLYMOUTH, MA  
(508) 830-4182 / HARBORMASTER@PLYMOUTH-MA.GOV

## MEMORANDUM

TO: SANDY STRASSEL – PROCUREMENT OFFICER

FROM: CHAD HUNTER, HARBORMASTER

SUBJECT: FY27 CAPITAL – HARBORMASTER TRUCK REPLACEMENT

DATE: SEPTEMBER 17, 2025

---

Dear Procurement Officer Strassel,

The Harbormaster Division would like to request \$40,000 dollars from the waterways fund to permit and design the Town owned floating dock that attaches to the DCR State Pier. This dock supports over 50 tenders and is usually overcrowded and does not support 15-minute tie up.

With this funding, we hope to design and permit a more user friendly and accessible floating dock system to encourage boating access and our connection to Downtown. The existing float 16'x40' was repaired last season, but we were told that it will need to be replaced within the next couple of years. We hope to have a new design in place prior to beginning replacement of the existing system while conducting much needed improvements.

Please let me know if you have any questions.

Respectfully submitted,

Chad Hunter – Harbormaster

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Fire 220	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Replace and Equip 1999 Pumping Engine	<b>Total Project Cost:</b>	\$1,218,696.00

**Department/Division Head:** Neil Foley, Fire Chief

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$1,160,663.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$58,033.00	5% There is an expected price increase at the end of the year.			
<b>Total Capital</b>	<b>\$1,218,696.00</b>				

**Project Justification and Objective:** This engine has been on the 10-year capital plan for a replacement at this Spring Town Meeting. Any delays would likely result in increased repair costs and reduced reliability of the department's fleet due to historic delays in fire apparatus manufacturing.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

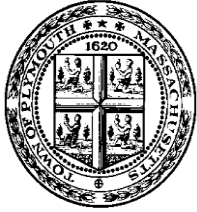
☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

1999 Pierce Arrow Pumping Engine VIN# 4P1CT02S0XA001387

**What is the expected lifespan of this new/replacement equipment:** 10 years Front-line Service 15-20 years as a Reserve Engine if rehabbed

**Attach backup information, estimates, or justification to support this request.**





Town of Plymouth  
**Fire Department**  
114 Sandwich Street  
Plymouth, Massachusetts 02360  
508-830-4213  
Fax 508-830-4174

Date: September 23, 2025

To: Capital Improvement Committee

Cc: Lynne Barrett, Finance Director  
Derek Brindisi, Town Manager  
Silvio Genao, Asst. Town Manager  
Sandra Strassel, Procurement Officer

From: Neil Foley, Chief of Department

**Re: FY27 Capital Request**

Fire Department Request Replace and Equip 1999 Pumping Engine (\$1,218,696.00)

The Fire Department is requesting Town Meeting approval for funding in the amount of \$1,218,696 to replace Engine 8, a 1999 Pierce Arrow pumping engine. This engine has a 750-gallon water tank, Class A foam capabilities, and a 1,500-gallon-per-minute fire pump. Currently, it has 102,886 miles on the odometer and 12,008 engine hours, which is equivalent to approximately 420,280 road miles. Its Massachusetts registration number is MF 8185, and the VIN is 4P1CT02S0XA001387.

For the past 12 years, Engine 8 has served as a "Reserve" Engine after being in active service for over 14 years in North Plymouth. The town's reserve pumpers are crucial for the department's ability to maintain operational readiness. While Engine 8 has provided valuable service to our community, it has now reached the end of its serviceable life. After exceeding 25 years of use, any major mechanical or structural failures will necessitate its permanent retirement from service.

Our Chief Master Mechanic has rated this engine as being in fair condition, suggesting that it may need to be taken out of service before a suitable replacement is available. The plan is to move the current 2013 Engine 7, which is stationed at North Plymouth and was fully rehabilitated in 2025, to reserve status, allowing us to replace Engine 8 with a reliable pumping engine.

Before 2020, the manufacturing time for a pumping engine typically ranged from 18 to 22 months. However, delays in fire truck manufacturing continue to be prevalent across the industry, with projected delivery time estimates extending to three full years from the order date. Moreover, our dealer has advised us that price increases are anticipated by early next year.

This delay presents operational challenges for the department; however, it also allows sufficient time for fiscal planning. Engine 8 has been included in the 10-year capital plan for replacement during this Spring Town Meeting and follows the town's apparatus replacement strategy. Any delays in this process would result in increased repair costs and diminished reliability of the department's fleet.

The new pump engine will be fitted with all current safety devices and will meet NFPA 1901 Standards.



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Fire 220	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Replace and Equip 2017 Command Car	<b>Total Project Cost:</b>	\$82,315.00

**Department/Division Head:** Neil Foley, Fire Chief

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$82,315.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	<b>\$82,315.00</b>				

**Project Justification and Objective:** The new vehicle will replace a 2017 Ford Expedition: C12 VIN# 1FMJK1GT6HEA13110 MA Reg# MF C280

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

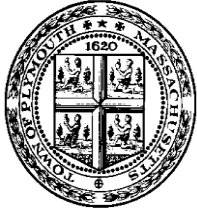
**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2017 Ford Expedition: C-12 VIN# 1FMJK1GT6HEA13110 MA Reg# MF C280

**What is the expected lifespan of this new/replacement equipment:** 5-10 years

**Attach backup information, estimates, or justification to support this request.**



Town of Plymouth  
**Fire Department**  
114 Sandwich Street  
Plymouth, Massachusetts 02360  
508-830-4213  
Fax 508-830-4174

Date: September 18, 2025

To: Capital Improvement Committee

Cc: Lynne Barrett, Finance Director  
Derek Brindisi, Town Manager  
Silvio Genao, Asst. Town Manager  
Sandra Strassel, Procurement Officer

From: Neil Foley, Chief of Department

**Re: Fire Department Request to Replace and Equip Command Vehicle C-12 (\$82,315.00)**

The Department is requesting Town Meeting support to replace and equip a new command vehicle to replace the C-12, which is currently assigned to the Department's Training & Safety Division. Total cost of the project is \$82,315.00.

Fire department command vehicles are specialized four-wheel-drive vehicles designed to meet the unique needs of the department during emergencies, both on and off-road, and in all weather conditions. These vehicles are equipped with the latest technology for effective command and control at complex emergency scenes. They are designed to function as a mobile command center for our Chief Officers during incidents. This vehicle is essential for effective coordination and resource management at emergency scenes.

The vehicle will feature specialized communication equipment, workspace for computers, whiteboards, and electrical connections to support the development of Incident Action Plans (IAPs) and store critical tactical information and equipment.

The new vehicle will replace C-12, a 2017 Ford Expedition: C12 VIN# 1FMJK1GT6HEA13110 MA Reg# MF C280. C-12 is in fair condition and will be evaluated for a reliable spare to be put into service when frontline command cars require service.

During C-12's last service, the department's Chief Master Mechanic informed me that this vehicle has developed significant corrosion around the rocker panels and requires higher than average maintenance. It should be moved to reserve as soon as possible.

This project has been included in the department's capital plan for replacement at the Spring Town Meeting.

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Fire 220	<b>Priority #:</b>	3
<b>Project Title and Description:</b> Training Division Passenger Van	<b>Total Project Cost:</b>	\$76,652.00

**Department/Division Head:** Neil Foley, Fire Chief

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** (Org. 2624226, Obj. 540000), will provide up to \$50,000.00.

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$76,652.00		FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	\$76,652.00				

**Project Justification and Objective:** This engine has been on the 10-year capital plan for a replacement at this Spring Town Meeting. Any delays would likely result in increased repair costs and reduced reliability of the department's fleet due to historic delays in fire apparatus manufacturing.

**For Capital Project Requests:**

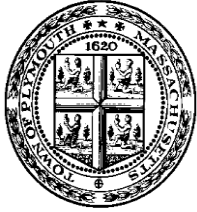
Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 15 Years

**Attach backup information, estimates, or justification to support this request.**



Town of Plymouth  
**Fire Department**  
114 Sandwich Street  
Plymouth, Massachusetts 02360  
508-830-4213  
Fax 508-830-4174

Date: September 18, 2025

To: Capital Improvement Committee

Cc: Lynne Barrett, Finance Director  
Derek Brindisi, Town Manager  
Silvio Genao, Asst. Town Manager  
Sandra Strassel, Procurement Officer

From: Neil Foley, Chief of Department

**Re: Fire Department Request to Purchase a Passenger Van - \$76,652.00**

The Department is requesting funding authorization to purchase a passenger van for the purpose of transporting firefighters and their equipment to required training programs. Additionally, this vehicle will be used to shuttle firefighters, equipment, and resources during large-scale events or incidents. Total cost of the project is \$76,652.00. Partial funding for this project will be provided by the Fire Safety and Prevention Revolving Account (Org. 2624226, Obj. 540000), which will allocate up to \$50,000.00.

All firefighters in our department are required to attend initial recruit training at the Massachusetts Firefighting Academy, currently in Stow, Massachusetts. This is a mandatory requirement for employment to ensure that our personnel are equipped with the necessary skills and knowledge to serve our community effectively. According to our collective bargaining agreement, it is the department's responsibility to provide daily transportation to and from the Academy. In addition to initial training, our firefighters attend training sessions throughout the state to maintain and acquire new skills and certifications.

Currently, we rely on our aging reserve vehicles for transportation, which often necessitates the use of at least two vehicles to accommodate both the firefighters and their equipment. This system is inefficient and leads to logistical complications, especially when reserve vehicles are unavailable. At times, we have resorted to renting passenger vans for the entire 10-week training period, resulting in significant costs that could be avoided.

By purchasing a dedicated passenger van, we will not only eliminate the need to rent vehicles but also reduce our reliance on multiple reserve vehicles that are often at the end of their service life. Owning our van adds a reliable resource for transporting personnel and equipment for training purposes while enhancing our overall operational efficiency.



In addition to its primary function of transporting recruits, the passenger van will serve as a resource during large-scale events or emergency incidents. It will allow us to shuttle people, equipment, and resources, improving our capabilities during critical situations.

The acquisition of a passenger van for the Fire Department is a strategic investment that addresses current transportation challenges and enhances our operational ability.



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> 220 Fire	<b>Priority #:</b>	4
<b>Project Title and Description:</b> EOC / Replace Uninterruptible Power Supply	<b>Total Project Cost:</b>	\$88,449.00

**Department/Division Head:** Neil Foley, Fire Chief

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** EOC Holtec Fund \$30,000.00 Org. 26382917 Obj. 540000

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$30,000.00		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$58,449.00		FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	<b>\$88,449.00</b>				

**Project Justification and Objective:** Our service contractor has recently informed us that full maintenance contracts will no longer cover the current 9390 UPS system, as it will reach its End of Life by the end of next year.

**For Capital Project Requests:**

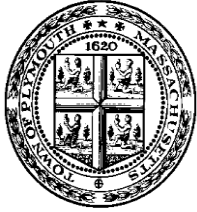
Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 10 - Years

**Attach backup information, estimates, or justification to support this request.**



Town of Plymouth  
**Fire Department**  
114 Sandwich Street  
Plymouth, Massachusetts 02360  
508-830-4213  
Fax 508-830-4174

Date: September 26, 2025

To: Capital Improvement Committee

Cc: Lynne Barrett, Finance Director  
Derek Brindisi, Town Manager  
Silvio Genao, Asst. Town Manager  
Sandra Strassel, Procurement Officer

From: Neil Foley, Chief of Department

**Re: Replace Emergency Operations Center Uninterruptible Power Supply (UPS) - \$88,449.00**

The Emergency Management Division is requesting funding to replace the existing uninterruptible power supply (UPS) at the town's Emergency Operations Center (EOC) located at 2209 State Road. The estimated request of \$88,449.00 includes both equipment and installation. Partial funding from the EOC Holtec Fund of \$30,000.00 Org. 26382917 Obj. 540000

An Uninterruptible Power Supply (UPS) is essential as it provides instantaneous, high-quality backup power to sensitive and critical equipment during power failures. A UPS is not a replacement for a generator, but rather a vital component that bridges the power gap for the few seconds or minutes it takes for a generator to start up. Beyond simply providing backup power, a UPS acts as a power conditioner. It protects equipment from damaging electrical disturbances, such as surges, sags, and spikes, which can occur during fluctuations in the power grid.

Our service contractor has recently informed us that full maintenance contracts will no longer cover the current 9390 UPS system, as it will reach its End of Life by the end of next year. If we take no action, the EOC may not have the redundancy needed during critical incidents, leading to limited backup power, and may not adequately protect sensitive equipment from power fluctuations or failure.

The Emergency Operations Center (EOC) is a complex facility that serves as a nerve center during both small emergencies and large disasters, coordinating the support of emergency response and recovery operations. This facility also houses essential infrastructure for the town's fiber and public safety communications network as well as data servers. Given the importance of a reliable power supply for these critical systems, replacing the UPS is critical to maintaining our community's resiliency.

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Engineering Div. DPW	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Roadway Improvement Program & Preservation	<b>Total Project Cost:</b>	\$6,000,000.00

**Department/Division Head:** Richard Bosse, P.E. - Acting Town Engineer

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design			FY28	\$6,000,000.00	
Labor and Materials	\$6,000,000.00		FY29	\$6,000,000.00	
Administration			FY30	\$6,000,000.00	
Land Acquisition			FY31	\$6,000,000.00	
Equipment			FY32	\$6,000,000.00	
Other					
Contingency					
Total Capital					

**Project Justification and Objective:** See attached narrative: \_\_\_\_\_

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

As part of the Town's annual roadway improvement program, these funds will be used to improve and preserve roads identified in the pavement management program prepared by BETA Engineering.

The requested \$6,000,000.00 would be divided, 75% for Public Roadways (\$4,500,000.00) and 25% for Un-Accepted Private Roadways (\$1,500,000.00).

Public and Unaccepted Road and Bridge

Improvements. To see if the Town will vote to appropriate the sum of Six Million Dollars (\$6,000,000), to pay costs of improving various public and unaccepted roads, and bridges, and for the payment of all costs incidental and related thereto, including but not limited to reconstructing, resurfacing, crack sealing, drainage, engineering, sidewalks, lighting, traffic control, bridges, tree planting and landscaping and to determine whether this amount shall be raised by taxation, transfer from available funds, borrowing or otherwise; or to take any other action relative thereto.

# Town of Plymouth, Massachusetts



## Pavement Management Program

### UPDATE REPORT

Date: January 22, 2025

Date of Inspections: Winter 2022 - 2023



# Town of Plymouth, Massachusetts



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#### 1. Repair Categories and Estimated Roadway Improvement Costs Reports

- Roadway Status Summary
- Roadway Repair Categories and Banding
- Estimated Roadway Improvement Costs - Overall
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- Estimated Roadway Improvement Costs - Unaccepted
- Estimated Roadway Improvement Costs - Functional Classification

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- Roadway Repairs with Segment Level Description - Unaccepted

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  - Minor Rehabilitation
  - Pavement Preservation
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#### 5. Gravel Reports

- Gravel Roadway Improvement Options - Accepted
- Gravel Roadway Improvement Options – Unaccepted

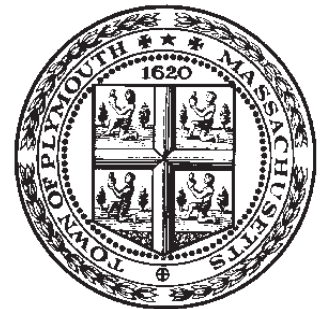
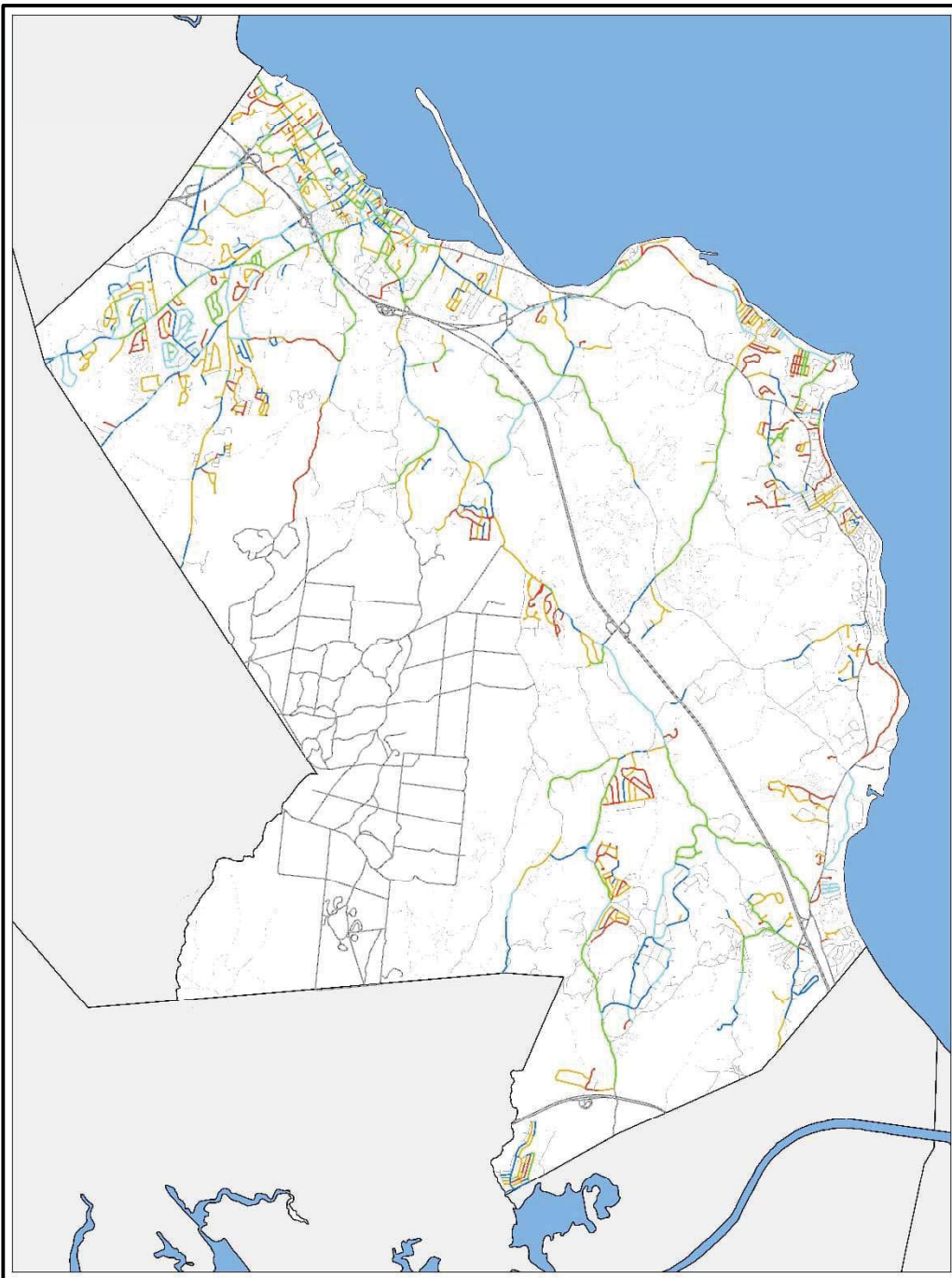
### Maps

- *Roadway Ratings and Repair Options - Accepted Roadways (36"x48")*
- *Roadway Ratings and Repair Options - Unaccepted Roadways (36"x48")*
- *Gravel Roadways (36"x48")*

# Pavement Management Summary of Findings

Date: January 22, 2025

Date of Inspections: Winter 2022 - 2023



**Town of  
Plymouth,  
Massachusetts**

# Introduction

## Background

The Town of Plymouth, Massachusetts retained BETA Group, Inc. (BETA) in 2024 to provide an update to the Town's current Pavement Management Program (PMP). BETA was originally contracted by the Town in 2015 to develop the program and has been providing support services since, including multiple rounds of pavement reinspections. The PMP is a planning tool intended to provide the foundation to manage the Town's roadway resources in conjunction with local institutional knowledge. Ultimately, these efforts will assist in the development of a dynamic Capital Improvement Plan for the Town's roadway network.

The Town is committed to maintaining the PMP and improving its roadway network. This will be achieved by preserving and maintaining the existing infrastructure to the greatest extent possible.



## Pavement Management Approach

Pavement management is based on the theory of predicting roadway deterioration over time. This theory allows pavement managers to perform timely maintenance designed to extend the roadway's lifecycle and avoid more costly and extensive structural repairs. A key aspect of pavement management, as illustrated by the Pavement Deterioration Curve, is the recognition that roadways deteriorate in an accelerated fashion at specific times in the roadway lifecycle. Understanding this concept allows opportune decisions that yield the most cost-effective results.

Implementing a PMP involves identification of the road network, evaluation of its surface conditions, and specification of its maintenance practices and associated repair costs. Roadway condition data is compiled to facilitate the calculation of a **Road Surface Rating (RSR)** for each street segment. This range includes a possible low value of 0 for a road characterized by a high severity of distress, and a possible maximum value of 100 for a road with no visible defects. Ultimately, the RSR value allows each roadway segment to be placed into a planning level repair category.

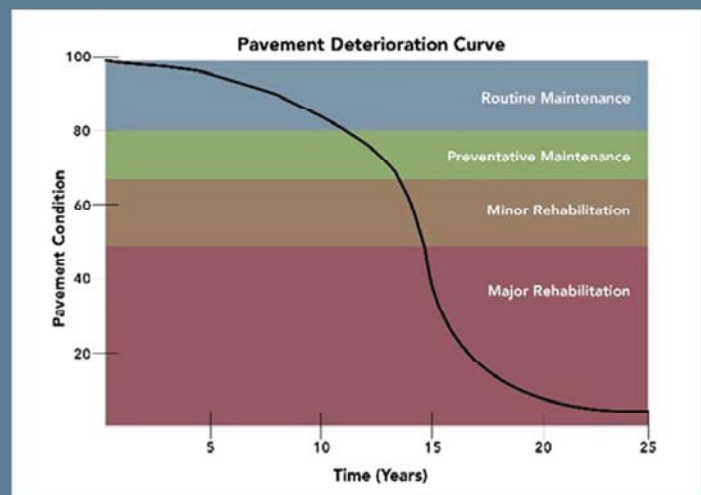


## Roadway Survey

The roadway survey in Plymouth, consisting of paved, town-maintained roadways, was completed in Winter 2022/2023. A total of **303.66 centerline miles** were inspected, serving as the basis for this report. The required field inspections were performed autonomously utilizing a LiDAR sensor mounted on a vehicle. As the vehicle traveled each roadway, a 3D digital point cloud was developed and all roadway assets within a 50' radius of the Lidar sensor were scanned and populated. As part of the data collection, images were captured, georeferenced and timestamped every 30' section of roadway.

Upon completion of the field data collection, proprietary algorithms and AI machine learning technology were run to identify pavement surface distresses such as cracks, potholes, seals, patches, and pavement oxidation to generate RSRs at the segment level. BETA then conducted a thorough review to ensure the quality of the data for analysis and reporting.

## Pavement Deterioration Curve





## Summary of Findings

Based on the update completed in Winter 2024, the **overall Road Surface Rating for Plymouth's Town accepted roadway network was 70.54 and 64.46 for its unaccepted network**, resulting in an **overall average of 69.12**. The overall RSR represents a benchmark for performance measuring of the Town's pavement management program moving forward. If the overall RSR were to drop in the years to come, this would be a sign that the program may need to be adjusted or funding for the program may need to be reevaluated.

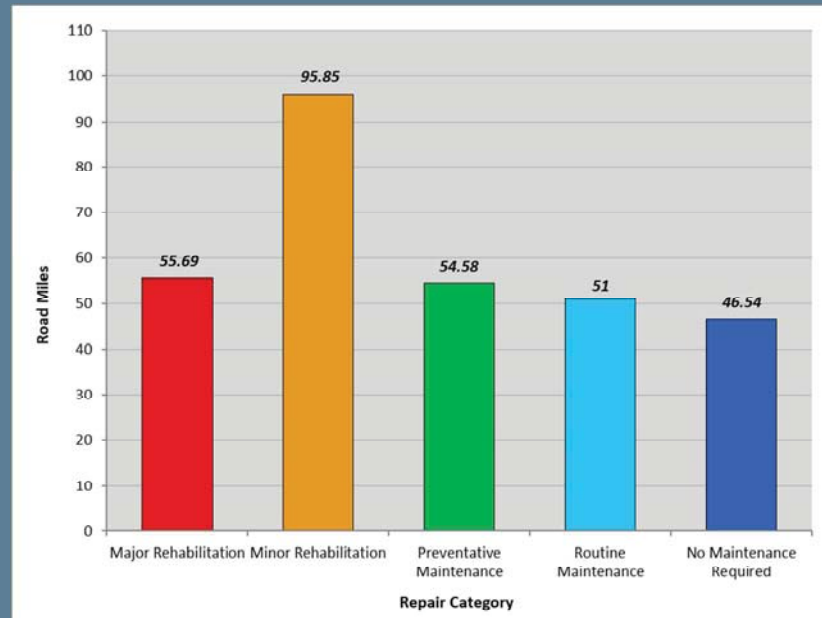
As part of the pavement management process, repair strategies and associated unit costs were defined (as shown below) to develop the Town's Estimated Roadway Improvement Costs Summary. This analysis summarizes the mileage of roadways that fall within each suggested repair category as well as the estimated cost to complete the recommended maintenance or repair. **The current improvement summary for the Town's public roadway network is approximately \$131.39 million based on current market trends.** This budgetary dollar figure represents a snapshot of the funding it would take to perform all outstanding maintenance for the town's road network within the next year. While this is not typically feasible, this analysis acts as another benchmark for the magnitude of work necessary at the time of inspections.

# 69.12

**CURRENT TOWN NETWORK  
ROADWAY SURFACE RATING (RSR)  
(January 2025)**

Repair Method	RSR Range	Unit Price* (sy)
Major Rehabilitation	0-50	\$100.00
Minor Rehabilitation	50-70	\$25.00
Pavement Preservation	70-80	\$15.00
Routine Maintenance	80-90	\$1.00
No Maintenance Required	90-100	\$0.00

*RSR Breakdown by Mileage*



Estimated Roadway Improvement Costs				
Repair Method	Length (Miles)	Square Yards	% Repair	Estimated Cost
Major Rehabilitation	55.69	803,269	18.34%	\$80,326,907
Minor Rehabilitation	95.85	1,463,571	31.57%	\$36,589,278
Preventative Maintenance	54.58	909,472	17.97%	\$13,624,087
Routine Maintenance	51	829,417	16.80%	\$829,417
No Maintenance Required	46.54	717,547	15.33%	\$0
<b>Total</b>	<b>303.66</b>	<b>4,723,277</b>	<b>100%</b>	<b>\$131,369,689</b>
<b>AVERAGE RSR by Segment:</b>	<b>69.12</b>			







# Capital Planning & Concluding Remarks

A series of Cost Benefit Value (CBV) analyses were generated to serve as a tool to prioritize potential roadway projects for inclusion in a multi-year Capital Improvement Plan (CIP). The CBV considers traffic volumes, repair types and RSR to serve as a guide in the planning process. The development of a CIP will assist the town in improving its network rating over time.

A 5-year forecast model (right) was developed to demonstrate how the network-level RSR would likely adjust over time based on different funding scenarios and repair strategies. Utilizing unit prices established in the program, the model suggests that the town allocate approximately \$4.5M annually to maintain the current rating. However, if the town were to allocate \$7.5M annually, the Network RSR is projected to approach 72 in 5 years. Conversely, utilizing only the Chapter 90 apportionment of \$1.59M would likely cause the network RSR to degrade to below 66. The current model accounts for 3% annual inflation.

The PMP provides decision makers with a picture of existing roadway conditions, a cost estimate to protect those paved roadways in good condition, and a recommended strategy to meet the town's goals and objectives.

## Program Maintenance

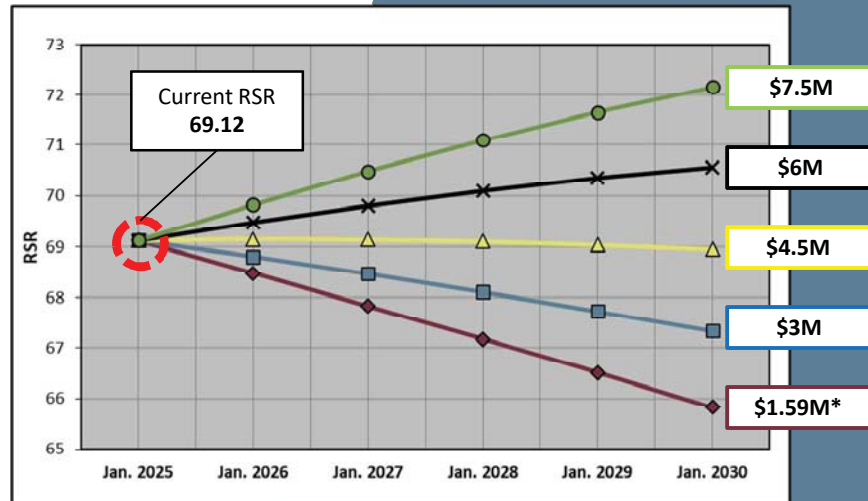
To best manage and update the Town's PMP database, the following practices are suggested:

- When utilizing pavement data to aid in capital planning, other assets such as sidewalks, utilities, etc. should be considered on a case-by-case basis.
- Post all annual roadway improvements into the database. Both the pavement condition rating and repair history information should be entered.
- Add any new roadway network descriptions to the database as soon as the town accepts the roadways.
- Update repair method unit costs annually to provide accurate work plan forecasts.
- Review developments in pavement technology that might offer a more cost-effective alternative to pavement maintenance or rehabilitation over the pavement's life cycle.
- Continue to reassess road network every 3 years to keep data and imagery current.

The Pavement Management Program will serve as a valuable instrument to the town and facilitate a progressive approach to managing roadway infrastructure.

## Forecast Model

Projected RSR By Year



\*Denotes FY2025 Ch. 90 Allotment

Please note: photos are from 2022 inspection



# Plymouth, MA

## Roadway Status Summary

Roadway Type		Length (Miles)
Town Classification: Accepted		
BC		229.01
GR		14.31
Total:		243.32
Town Classification: Unaccepted		
BC		73.72
GR		60.08
Total:		133.80
Town Classification: State		
BC		102.38
GR		47.16
UNK		1.13
Total:		150.67
Town Classification: Exclusion		
BC		71.16
GR		62.49
Total:		133.65
Total:		661.45

**FY 2025 Chapter 90 Accepted Road Miles - 237.27**

\*State Grouping includes roads classified as State Forest

\*\*Exclusion Grouping only includes roads classified as Private

# Plymouth, MA

## Roadway Repair Categories and Banding

Repair Method	Banding Low Range	Banding High Range	Unit Cost Sq.Yrd.
<b>Major Rehabilitation</b>			
Major Rehabilitation	0	50	\$100.00
Reconstruction			\$120.00
Reclamation			\$80.00
<b>Minor Rehabilitation</b>			
Minor Rehabilitation	50	70	\$25.00
Cold-In-Place Recycling - 3" HMA			\$25.00
Cold-In-Place Recycling - 3" HMA (No Structures)			\$22.00
Mill and Overlay - 2"			\$20.00
Hot-In-Place Recycling - 1" Top			\$20.00
Level and Overlay - 2.5"			\$20.00
Mill and Overlay - 1.5"			\$18.00
<b>Preventative Maintenance</b>			
Pavement Preservation	70	80	\$15.00
Nova Chip			\$15.00
Microsurface - Double (w/Fiber)			\$15.00
Cape Seal			\$12.00
Double Chip Seal			\$10.00
Rubber Asphalt Chip (20%)			\$10.00
Microsurface - Single Lift			\$8.00
<b>Routine Maintenance</b>			
Routine Maintenance	80	90	\$1.00
Fog Seal			\$1.80
Crack Seal			\$0.60
<b>Defer Maintenance</b>			
No Maintenance Required	90	100	\$0.00



# Plymouth, MA

## Estimated Roadway Improvement Costs - Overall

Repair Method	Length (Miles)	Square Yards	Percent Repair	Estimated Cost
Major Rehabilitation	55.69	803,269.08	18.34%	\$80,326,907.81
Minor Rehabilitation	95.85	1,463,571.14	31.57%	\$36,589,278.49
Pavement Preservation	54.58	909,472.46	17.97%	\$13,642,086.88
Routine Maintenance	51.00	829,417.05	16.80%	\$829,417.05
No Maintenance Required	46.54	717,547.08	15.33%	\$0.00

Total:	303.66	4,723,276.82	100.00%	\$131,387,690.23
--------	--------	--------------	---------	------------------

Average RSR By Segment:	69.12
-------------------------	-------

\*RSR - Road Surface Rating (0-100)

Please Note: Unit pricing accounts for curb to curb improvements only; Does not include any drainage, sidewalk, ADA, gravel subbase or utility improvements.

# Plymouth, MA

## Estimated Roadway Improvement Costs - Accepted

Repair Method	Length (Miles)	Square Yards	Percent Repair	Estimated Cost
Major Rehabilitation	38.68	580,701.94	16.89%	\$58,070,194.35
Minor Rehabilitation	69.48	1,096,465.17	30.34%	\$27,411,629.19
Pavement Preservation	41.52	740,144.04	18.13%	\$11,102,160.59
Routine Maintenance	38.41	657,641.68	16.77%	\$657,641.68
No Maintenance Required	40.93	640,275.20	17.87%	\$0.00

Total:	229.01	3,715,228.03	100.00%	\$97,241,625.81
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Average RSR By Segment:	70.54
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\*RSR - Road Surface Rating (0-100)

Please Note: Unit pricing accounts for curb to curb improvements only; Does not include any drainage, sidewalk, ADA, gravel subbase or utility improvements.

# Plymouth, MA

## Estimated Roadway Improvement Costs - Unaccepted

Repair Method	Length (Miles)	Square Yards	Percent Repair	Estimated Cost
Major Rehabilitation	16.32	212,835.91	22.13%	\$21,283,591.05
Minor Rehabilitation	26.38	367,105.97	35.78%	\$9,177,649.30
Pavement Preservation	13.06	169,328.42	17.72%	\$2,539,926.29
Routine Maintenance	12.59	171,775.37	17.08%	\$171,775.37
No Maintenance Required	5.37	75,898.58	7.29%	\$0.00

Total:

73.72

996,944.25

100.00%

\$33,172,942.01

Average RSR By Segment:

64.46

\*RSR - Road Surface Rating (0-100)

Please Note: Unit pricing accounts for curb to curb improvements only; Does not include any drainage, sidewalk, ADA, gravel subbase or utility improvements.



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Engineering Div. DPW	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Townwide Drainage Repairs	<b>Total Project Cost:</b>	\$650,000.00

**Department/Division Head:** Richard Bosse, P.E. - Acting Town Engineer

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>	\$650,000.00		<i>FY29</i>	\$650,000.00	
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>	\$650,000.00	
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>					

**Project Justification and Objective:** See attached narrative: \_\_\_\_\_

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

### Project Justification and Objective:

The Department of Public Works (DPW) receives calls on drainage issues across town on a regular basis, some of those complaints can be addressed with little capital funding and others require extensive work and larger amounts of money. We currently have a list of future projects that we would like to work towards completing. Out of those that have been identified, we are asking for capital funding in order to move forward with some of those improvements.

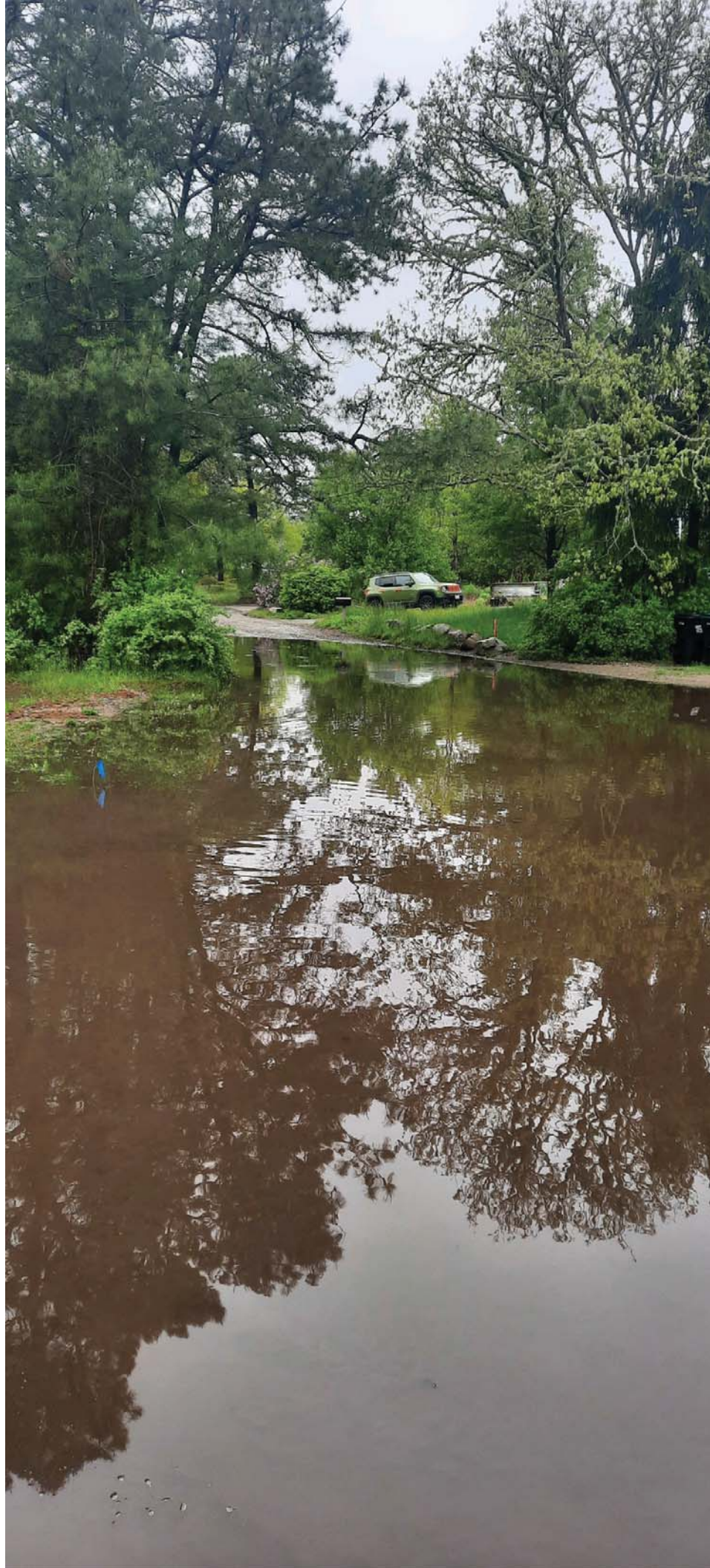
The requested \$650,000.00 would be divided, Public Roadways (\$500,000.00) and Un-Accepted Private Roadways (\$150,000.00).

### Public and Unaccepted Townwide Drainage

Improvements. To see if the Town will vote to appropriate the sum of Six Hundred & Fifty Thousand Dollars (\$650,000), to pay costs of drainage repairs on various public and unaccepted roads, and for the payment of all costs incidental and related thereto, including but not limited to resurfacing, engineering, sidewalks, lighting, traffic control, tree planting and landscape restoration and to determine whether this amount shall be raised by taxation, transfer from available funds, borrowing or otherwise; or to take any other action relative thereto.

4/8/2025	PROJECT:	DESCRIPTION:	SURVEY:	PLANS:	ROAD STATUS:	PROJECT STATUS:	ESTIMATED COST
	DRAINAGE						
1	#15 WORRALL ROAD	FAILED DRAINAGE LEACHING SYSTEM	COMPLETE	COMPLETE	PUBLIC	NOT STARTED	\$190,000.00
2	#35 WORRALL ROAD	FAILED DRAINAGE LEACHING SYSTEM	COMPLETE	COMPLETE	PUBLIC	NOT STARTED	\$145,000.00
3	ALDEN STREET	REMOVE WEIR IN VAULT @ COLD SPRING SCHOOL - EX. LEACHING FAILED	NOT NEEDED	NOT NEEDED	PUBLIC	NOT STARTED	\$5,000.00
4	SCARLET DRIVE	EX. OUTFALL IMPROVEMENT	COMPLETE	COMPLETE	PUBLIC	NOT STARTED	\$10,000.00
5	HILL DALE ROAD	REPLACE FAILING DROP BOX & REPAVE PORTION	COMPLETE	100%	PUBLIC	NOT STARTED	\$50,000.00
6	#2 ROBBINS HILL ROAD	REPAIR EX. BLOCK DRAIN MANHOLE	NOT NEEDED	NOT NEEDED	PUBLIC	NOT STARTED	\$5,000.00
7	#27 SKYLARK AVENUE	EX. PAVED WATERWAY - BROKEN PAVEMENT & EROSION - NEEDS TO BE FILLED & RE-PAVED	NOT NEEDED	NOT NEEDED	PUBLIC	NOT STARTED	\$20,000.00
8	11 LINDA LANE	STRUCTURE REBUILD - BLOCK STRUCTURE FILLED WITH STONE TO STABILIZE	NOT NEEDED	NOT NEEDED	PUBLIC	NOT STARTED	\$7,500.00
9	#45 SAMOSET STREET	REPLACE EX. HEADWALL & TRASH RACK	COMPLETE	60%	PUBLIC	NOT STARTED	\$75,000.00
10	DUCK PLAIN ROAD	PAVE PORTION & INSTALL SOME DRAINAGE	COMPLETE	50%	PRIVATE	NOT STARTED	\$100,000.00
11	#502 BOURNE ROAD	FAILED LEACHING BASINS	COMPLETE	60%	PUBLIC - USED & MAINTAINED	NOT STARTED	\$100,000.00
12	#12 OAR & LINE ROAD	WATER QUALITY IMPROVEMENTS FOR LITTLE LONG POND	COMPLETE	50%	PUBLIC	NOT STARTED	\$60,000.00
13	SAMOSET AVENUE	COMPLETE ROADWAY RECONSTRUCTION (DRAINAGE & PAVING)	COMPLETE	50%	PUBLIC	NEED TO PERFORM SOIL TESTING	\$300,000.00
14	BEACON STREET & FITZGERALD AVE	FAILED DRAINAGE SYSTEM	COMPLETE	50%	PUBLIC	NEED TO PERFORM SOIL TESTING	\$100,000.00
15	JACOBS LADDER	ISOLATED LOW POINT - NEEDS DRAINAGE SYSTEM	COMPLETE	50%	PUBLIC	NEED TO PERFORM SOIL TESTING	\$75,000.00
16	ELLISVILLE ROAD @ LOOKOUT POINT RD	EX. PUDDLE	COMPLETE	60%	PUBLIC/PRIVATE	NEED TO MEASURE EX. INVERTS TO TIE IN NEW DROP BOX	\$30,000.00
18	MONTEGOMERY DRIVE @ LOMBARD	FAILED STORMWATER LEACHING SYSTEM	NOT COMPLETE	0%	PUBLIC	NOT STARTED	\$125,000.00
19	#595 BOURNE ROAD	EX. PUDDLE	NOT COMPLETED - TOWN LOT NEXT TO PUDDLE - INFILTRATION BASIN?	0%	PUBLIC - USED & MAINTAINED	NOT STARTED	\$50,000.00
20	#16 KINGS POND PLAIN RD	FAILED LEACHING CATCH BASINS	COMPLETE	0%	PUBLIC	NOT STARTED	\$25,000.00
21	#200 SUMMER STREET - BOUTEMAN LANE DRAINAGE RUNOFF	NO EXISTING DRAINAGE SYSTEM - WATER ERODES EX YARD/DRIVEWAY	NOT COMPLETE	0%	PUBLIC	NOT STARTED	\$50,000.00
22	#184 WESTERLY ROAD	FAILED LEACHING CATCH BASIN - PIPE TO OTHER SYSTEM OR INSTALL LEACHING PITS	OLDER SURVEY COMPLETED - UPDATE AS NEEDED	0%	PUBLIC	NOT STARTED	\$50,000.00
23	9 ISABELLE STREET	NO EXISTING SYSTEM - PUDDLE - REGRADE SHOULDER ADD LEACHING PIT & BASIN?	NOT COMPLETE	0%	PRIVATE	NOT STARTED	\$25,000.00
24	83 SEVEN HILLS ROAD	EXISTING DRAINAGE SYSTEM DISCHARGING ONTO PROPERTY WITH NO EASEMENT - ADD LEACHING WITHIN SEVEN HILLS ROAD	COMPLETE	0%	PUBLIC	NOT STARTED	\$100,000.00
25	42 BOURNE ROAD	FLAT ROADWAY PROFILE - WATER PUDDLES AT DRIVEWAY - ADD STAND ALONE BASIN & LEACHER?	NOT COMPLETE	0%	PUBLIC	NOT STARTED	\$30,000.00
26	57 MICAIAH AVE	EROSION ISSUE - CALL HOMEOWNER TEZA GUSTAVO 617-460-9320	NOT COMPLETE	0%	PUBLIC	NOT STARTED	\$20,000.00
27	MUSTER FIELD ROAD	DRAINAGE & RE-PAVING, ALSO GAS MAIN REPLACEMENT	COMPLETE	70%	PUBLIC	NOT STARTED	\$75,000.00
28	71 COLUMBIA CIRCLE	FAILED DRAINAGE SYSTEM - NEEDS NEW RECHARGE SYSTEM & CATCH BASIN GRADE ADJUSTMENT	NOT COMPLETE	0%	PUBLIC	NOT STARTED	\$75,000.00
29	72 CURTIS DRIVE	FAILED RECHARGE SYSTEM	NOT COMPLETED	0%	PRIVATE	NOT STARTED	\$50,000.00
30	1 KENWOOD DRIVE	FAILED BASIN AREA & PIPING	NOT COMPLETED	0%	PRIVATE	NOT STARTED	\$50,000.00
31	29 KING PHILLIP ROAD	DRAINAGE RUNOFF ISSUES	NOT COMPLETED	0%	PRIVATE	NOT STARTED	\$60,000.00
32	WOMPANOAG ROAD	DRAINAGE EROSION & WATER QUALITY IMPROVEMENT FOR GREAT HERRING POND	NOT COMPLETED	0%	PRIVATE	NOT STARTED	\$80,000.00
						TOTAL =	\$2,137,500.00

















































# **A GUIDE FOR THE DESIGN OF STORM DRAINAGE FACILITIES IN THE TOWN OF PLYMOUTH, MASSACHUSETTS**

**INCLUDING  
LOW IMPACT DEVELOPMENT (LID)  
STANDARDS**

**AS AMENDED THROUGH  
MARCH, 2009**

**PREPARED WITH SUPPORT FROM THE COMMONWEALTH OF  
MASSACHUSETTS EXECUTIVE OFFICE OF ENERGY AND  
ENVIRONMENTAL AFFAIRS, SMART GROWTH GRANT FUNDING**

**AND**

**IN COOPERATION WITH COMPREHENSIVE ENVIRONMENTAL  
INCORPORATED OF MARLBOROUGH, MASSACHUSETTS**

# Acknowledgements

## **BOARD OF SELECTMEN**

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David F. Malaguti, Vice Chairman      Daniel "Butch" Machado, Jr.  
John T. Mahoney, Jr.

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## **PROJECT CONSULTANT**

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### **FLAHERTY & STEFANI, INC.**

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### **THE GARRETT GROUP, LTD.**

Marc Garrett, Principal Scientist

A Guide for the Design of Storm Drainage Facilities in the Town of  
Plymouth, Massachusetts  
March, 2009



# **A Guide for the Design of Storm Drainage Facilities in the Town of Plymouth, Massachusetts**

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Appendix A Pre-Application Cover Sheet

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## 1.0 Introduction

Plymouth has developed this update to *A Guide for the Design of Storm Drainage Facilities in the Town of Plymouth, Massachusetts* (the “Stormwater Management Manual”) to provide design guidelines and criteria that will help implement better drainage design and Low Impact Development in Plymouth. The original document was created in 1983, and many new stormwater management techniques have been developed since that time which can enhance water quality both in the ground and at the surface. These updates have been coordinated through the Department of Public Works Engineering and Environmental Management Divisions, Health Department, Conservation Commission and Planning Departments to facilitate a coordinated and comprehensive approach to stormwater design.

This manual is not intended to provide detailed design guidelines for every BMP imaginable, as this information can be found within numerous other sources. Instead, this manual lays out design criteria that establish a foundation for good design, promotes consistent submittals, and provides references to other sources for more detailed information. Nothing in this document relieves the designer of the responsibility to exercise professional judgment, prudent stormwater design principles, and accurate assessments of the existing condition. Included within this manual are:

Section 2. Submittal Requirements – This section outlines submittal requirements for a pre-application and application submittal, including a Stormwater Management Plan and an Operation and Maintenance Strategy. The pre-application submittal was created to encourage discussions with the Town throughout the design process to better direct the use of LID on developments.

Section 3. Design Performance Criteria – This section outlines the stormwater design criteria that must be met for regulated development and redevelopment projects.

Section 4. Closed System Design Criteria – This section outlines design criteria that must be met for closed drainage systems.

Section 5. Stormwater Best Management Practices – This section includes a BMP selection matrix that identifies the applicability of specific BMPs to various site conditions, such as soils and high groundwater, as well as their applicable uses (e.g., peak control, recharge, water quality control, etc.). The matrix also includes as available typical pollutant removal rates for total suspended solids (TSS), total nitrogen, total phosphorus and bacteria, to aid in the selection of BMPs for discharges to waters with listed impairments for these pollutants. Setbacks are also provided for certain BMPs. References for further design information are provided for each of the BMPs listed.

In addition to the BMP selection matrix, Section 5 includes a table of specific design considerations for certain BMPs. These design considerations highlight key design components, where they may differ from the listed references. Also included is a table outlining Plymouth's preferences for BMP design and selection.

Massachusetts has recently promulgated regulations that include Stormwater Management Standards (formerly the Massachusetts Stormwater Policy), through amendments to 310 CMR 10.00: Wetlands Protection Regulations and 314 CMR 9.00: 401 Water Quality Certification for Discharge of Dredged or Fill Material, Dredging, and Dredged Material Disposal in Waters Within the Commonwealth. Recognizing that the Massachusetts Stormwater Management Standards shall be met for all projects within the jurisdiction of these regulations, and that the Massachusetts Stormwater Handbook, which includes additional guidance to these regulations, may change over time, all stormwater management designs must meet the design criteria or standards in the Massachusetts Wetland Protection Regulations and 401 Water Quality Certification Regulations or within this manual, whichever is more stringent in the protection of the town's environmental and infrastructure resources and as authorized through any permitting agencies under whose purview the project falls.

The Town of Plymouth will not implement the proposed requirement for Aggregation 314 CMR 21, at the local level should they be adopted at the state level.

## 2.0 Submittal Requirements

Projects involving development of new land uses and alteration or redevelopment of existing land uses must meet storm water management requirements and are subject to review under various bylaws, rules, and regulations in the Town of Plymouth.

The Town in each case may request such additional information as is necessary to enable determination of whether the proposed land disturbance activity will protect water resources and meet the objectives of the applicable regulations.

Any uses not involving land disturbance and individual Single-Family, Two-Family and 3-Family projects shall be exempt from Submittal Requirements (Section 2.0).

### 2.1 Pre-Application Submittal Requirements

Plymouth requires the use of Low Impact Development (LID) techniques in site design. This requires a multi-step process that begins with site planning and layout. To standardize the information provided for review, the Town has developed the following submittal policy for applicants who will be requesting a Zoning Permit. The Town's review of this pre-submittal application in no way changes the applicant's sole responsibility for the successful design of stormwater management components as well as any other aspect for the site.

The Pre-Application review is a key factor in the process of LID design, and is intended to create a working dialogue and understanding with the Town and the applicant regarding the goals of the stormwater design. Unlike conventional development and stormwater controls, an LID approach to design begins with an assessment of environmental and hydrologic conditions on the site and how to best work around these. The upfront planning for the site is as critical as the ultimate stormwater controls chosen for the site. As such, Plymouth requires a pre-application submittal for all projects incorporating LID. Any uses not involving land disturbance and individual Single-Family, Two-Family and 3-Family projects shall be exempt from Submittal Requirements (Section 2.0).

Throughout the pre-submittal process, the comments and information provided by the Town with respect to the site and the stormwater design are advisory in nature. The applicant is solely responsible for the successful design of the stormwater management systems for the site.

The objective is to:

- Develop a site plan that reflects natural hydrology.
- Minimize impervious surfaces.
- Treat stormwater in numerous small, decentralized structures.
- Use natural topography for drainageways and storage areas.

A Guide for the Design of Storm Drainage Facilities in the Town of  
Plymouth, Massachusetts  
March, 2009

- Preserve portions of the site in undisturbed, natural conditions.
- Lengthen travel paths to increase time of concentration and attenuate peak rates.
- Advise the designer and applicant of the Town's goals with respect to stormwater management at the site, and, to the extent practical, of any known concerns or issues regarding stormwater management at the subject property.
- Advise the designer and applicant of anticipated constraints affecting the Application Submittal Requirements (Section 2.2) or of additional information needed in the Application Submittal Requirements at the time of filing.

The Pre-Application Submittal shall contain sufficient information to describe the nature and purpose of the proposed development, pertinent conditions of the site and the adjacent areas, and proposed development options considered. The applicant shall submit such material as is necessary to show that the proposed development will comply with the Stormwater Design Guidelines.

The Pre-Application Cover Sheet (Appendix A), shall be submitted by the Applicant prior to filing the application (see Section 2.2) to the Town Engineering Department, with copies to the Environmental Management Division of DPW, Planning Department, Conservation Commission and Health Department. A response from the Town will be transmitted to the Applicant within 30 days. The response may provide comments; request additional information; request a coordination meeting with the applicant; or may note that the Town has no comments based on the Pre-Application Cover Sheet.

a. **Contents.** The Pre-Application Submittal shall contain the following information:

1. Pre-Application Cover Sheet (Appendix A), completed, including names, addresses, and telephone numbers of the owner, applicant, and person(s) or firm(s) preparing the submittal.
2. A concise, well-thought-out narrative describing the conceptual stormwater design, the proposed or anticipated impacts and constraints, and the proposed measures to minimize or mitigate those impacts based on the design chosen. A group meeting with representatives of DPW, Planning and Conservation staff as may be appropriate, scheduled with the applicant's engineer who is prepared to discuss same is strongly encouraged. The narrative should include:
  - a. Be as concise and project-specific as possible. The narrative does not need to include extensive discussion of standard hydrologic concepts and LID principles. Instead, it should focus on how the project proposes to address environmental conditions, integrate development with natural drainage features, and minimize or mitigate for impacts. Please refer to Table 3 BMP Selection Table in these Guidelines.
  - b. Clearly identify if the project is a redevelopment of a property, describing the changes in stormwater flows and describing the constraints of the site with respect to stormwater design system choices.
  - c. Outline the proposed LID Concepts, including the LID techniques that will be used on the site which affect hydrologic calculations.



- d. Hydrologic calculations shall be performed and included. The level of detail shall be appropriate to support the conceptual project strategy for integration of Low Impact Development elements into the project.
  - e. Identify the Town of Plymouth permits or review procedures understood to be applicable to the project, along with other state and federal permits that may affect the site design or drainage design for the project.
  - f. Identify the worst-case future condition that can reasonably be anticipated should a particular BMP/stormwater design component fail. The goal is to identify what potential impacts to Public Safety (such as flooding of a public roadway) could occur in the event of a failure in order to assess when a LID design component may need additional safety features, such as provisions for additional overflow capacity.
  - g. Identify any known conditions or features, either on or off-site (e.g., existing stormwater discharges, infiltration systems, flood control structures, or other feature), that could affect the performance of the proposed stormwater system or that could result in cumulative impacts to listed resources of concern (please refer to section 3.0 #7) when considered in conjunction with the new stormwater system.
3. A conceptual plan, and the following, if available, although not required, clearly showing:
- a. Scale of conceptual plan at 1"=20' or 1"=40' is preferable.
  - b. General location and description of significant natural features as obtained from Massachusetts Geographic Information System (MA GIS), soil surveys, aerial photographs, flood maps, quadrangle maps or other available sources<sup>1</sup> including:
    - i. Watercourses and water bodies (such as streams, ponds, vernal pools), wetland resource areas and lands within 100 feet of these resources, riparian (river) zones, recharge groundwater protection areas, high-permeability soils, and erosion-prone soils, woodland conservation areas, farmland, meadows and floodplain information, including the 100-year flood elevation and/or boundaries of coastal flooding. Many of these maps may be viewed in the Conservation/Planning Office.
    - ii. Topographical features including contours.
    - iii. Approximate tree and shrub lines.
    - iv. Approximate direction of groundwater flow from groundwater flow map (Conservation/Planning office).
    - v. Critical areas as defined under Section 3.0, number 7 and Certified Vernal Pools and Potential Vernal Pools, These maps are available on line and in the Conservation/Planning office.
    - vi. Existing abutting streets.

---

<sup>1</sup> If guidance is needed on locating this information, please see the Planning or Town Engineer's office for assistance. Internet resources are listed on the Pre-Application Cover Sheet in Appendix A for many of these maps.

- c. Preferred site development layout that minimizes total impervious area; reflects the existing topography; and maximizes the continued use of existing drainageways, swales, depressions, and storage areas in their natural state, consistent with applicable wetland resource regulations. The layout plan shall include the estimated total proposed area of disturbance and total proposed impervious area.
- d. Conceptual locations and types of stormwater management controls.

## 2.2 Application Submittal Requirements

### A. Stormwater Management Plan

The Stormwater Management Plan shall be submitted with either a Building Permit, Site Plan Approval request, Subdivision, Conservation Permit, Health Department Permit or Special Permit Application, whichever is applicable,<sup>2</sup> and shall contain sufficient information to describe the nature and purpose of the proposed development, pertinent conditions of the site and the adjacent areas, and proposed best management practices for the permanent management and treatment of stormwater. The Stormwater Management Plan shall contain sufficient information for the Town to evaluate the environmental impact, effectiveness, and acceptability of the measures proposed by the applicant for reducing adverse impacts from stormwater. The Stormwater Management Plan shall fully describe the project in drawings, and narrative. The applicant shall submit the following information, unless otherwise authorized in writing by the reviewing authority:

1. A narrative providing responses to Town comments resulting from review of the Pre-Application Submittal.
2. A plan showing title, date, north arrow, names of abutters, scale (1"=20' or 1"=40'), legend, and locus map (1"=800'). Other standard scales are acceptable if approved by the reviewing authority.
3. The existing zoning and land use at the site.
4. The location(s) of existing and proposed easements that would affect the proposed use/stormwater management plan and that would be necessary to provide access for maintenance of any stormwater management facilities.
5. The location of existing and proposed utilities.
6. The site's existing & proposed topography with contours at 2 foot intervals.
7. The existing site hydrology.
8. A description & delineation of existing stormwater conveyances, impoundments, wetlands, and critical areas of interest (please refer to Section 3.0 #7) on or adjacent to the site or which receives stormwater flows from the site.

---

<sup>2</sup> If a project is subject to Special Permit, Conservation, Subdivision or other regulatory permitting, this Stormwater Management Plan Application will be submitted with the application for these permits which will be in advance of the building permit application.

9. A delineation of any flood hazard areas (including but not limited to 100-year flood boundaries, floodway boundaries, velocity zones, and other areas subject to flooding or coastal storm flowage) as shown on the FEMA maps or as surveyed at the site. Where detailed Flood Insurance Studies (FIS) have been prepared by FEMA, flood elevation and/or coastal storm flowage data must be obtained from these studies.
10. Soils data pertaining to the design of each area to be used for stormwater retention, detention, or infiltration, including:
  - a. An estimate made by a qualified individual, such as a Licensed Soil Evaluator, certified Soil Scientist, hydrogeologist, or geotechnical engineer, of seasonal high groundwater elevation at each such facility;
  - b. A classification of the Hydrologic Soil Groups (HSG) soils on site using classification methodologies developed by U.S. Natural Resources Conservation Service (NRCS), based on observations by a qualified individual, such as a Licensed Soil Evaluator, certified Soil Scientist, hydrogeologist, or geotechnical engineer in accordance with the Massachusetts Stormwater Handbook;
  - c. Identification of depth to restrictive layer and/or bedrock observed within 4 feet of the bottom of any such proposed facility, and deeper if required to evaluate potential impacts of the proposed design;
  - d. Corroborating soil textural analysis or field tested saturated hydraulic conductivity rates at each facility in accordance with procedures identified in the Massachusetts Stormwater Handbook.
11. The existing and proposed vegetation or other cover types, with area and runoff coefficient for each.
12. A drainage area map clearly showing pre and post construction watershed boundaries, drainage areas and stormwater flow paths. Proposed analysis points and corresponding sub-catchment boundaries shall be identified. Off-site areas contributing to the proposed drainage system shall be identified. Analysis points shall be the same for both pre-development and post-development analyses.
13. A description, drawings, and detailed calculations of all components of the proposed drainage system including:
  - a. A narrative describing what elements of design are considered by the applicant to be subject to revision (e.g., houses in a subdivision, driveways, landscape areas, locations of rain gardens). The hydrologic calculations must conservatively account for any design components that might be altered by subsequent lot development, unless the applicant documents that legal restrictions on such design modifications have been provided (e.g., gravel driveways that can be paved by the

ultimate owner must be considered paved in the hydrologic calculations).

- b. The narrative should clearly identify if the project is a redevelopment of a property, describing the changes in stormwater flows and describing the constraints of the site with respect to stormwater design system choices.
  - c. Identify the worst-case future condition should a particular BMP/stormwater design component fail. The goal is to identify what potential impacts to Public Safety (such as flooding of a public roadway) could occur in the event of a failure in order to assess when a LID design component may need a safety feature, such as an overflow outlet.
  - d. Identify any known conditions or features, either on or off-site (e.g., existing stormwater discharges, infiltration systems, flood control structures, or other feature), that could affect the performance of the proposed stormwater system or that could result in cumulative impacts to listed resources of concern (please refer to section 3.0 #7) when considered in conjunction with the new stormwater system.
  - e. If requested, locations, typical sections and profiles of specific brooks or streams,
  - f. Locations, typical sections and profiles of drainage swales and their method of stabilization. All designed drainage channels should be supported by calculations demonstrating **capacity** and **stability** under design flow conditions.
  - g. Locations of all conveyance, storage, and treatment systems.
  - h. Profile at true vertical scale showing the water surface elevation throughout the proposed closed drainage system for the 2 and 10-year storm, including the estimated tailwater at the system outlet. Basis for tailwater estimate shall be documented.
  - i. All measures for the detention, retention or infiltration of water,
  - j. All measures for the treatment and protection of water quality,
  - k. The details for all components of the proposed drainage systems and stormwater management facilities,
  - l. Notes on drawings specifying materials to be used and construction specifications,
  - m. Expected hydrology with detailed supporting calculations. If appropriate computer output should include graphic hydrographs to facilitate review.
14. The proposed improvements including location of buildings or other structures, impervious surfaces, and drainage facilities, if applicable.
  15. General notes concerning timing, schedules, and sequence of development including clearing, stripping, rough grading, construction, final grading, and

- vegetative stabilization. If the proponent is required to have a NPDES permit,<sup>3</sup> a copy of the SWPPP must be filed prior to the start of construction.
16. A maintenance schedule for the period of construction, if known.
  17. Any other information requested by the Town.

## **B. Erosion and Sediment Control**

Please refer to the Town of Plymouth Zoning Bylaw, Section 205-18 Natural Features Conservation Requirements with respect to erosion and sediment controls. Please submit a narrative addressing these requirements (a copy of the SWPPP, if available, may be attached as an alternative.)

## **C. Operation and Maintenance Strategy**

An Operation and Maintenance Strategy (O&M Strategy) for the permanent storm water management system is required at the time of application for all projects. The maintenance strategy should be designed to ensure that the Massachusetts Surface Water Quality Standards contained in 314 CMR 4.00 are met in all seasons and throughout the life of the system, and should identify the responsible party and contact information for the maintenance of the stormwater system.

Where a failure of the stormwater design could lead to a flooding hazard, the Responsible Parties must submit annual reports regarding the inspection and maintenance of the BMPs for which they are responsible. The annual reports must include: (1) descriptions of the condition of the BMPs, (2) descriptions of maintenance performed and (3) receipts for maintenance performed. Any changes to the owner/Responsible Party identified in this section should be provided in writing to the Town Engineer within 15 working days of the effective date of the change, including an outline of any changes to the maintenance schedule or O&M Strategy.

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<sup>3</sup> See Pre-Application Cover Sheet (Appendix A).



### 3.0 Design Performance Criteria

The design criteria summarized in Table 1 and presented below shall be used to design stormwater management controls:

**1. No Untreated Discharges**

All new stormwater discharges to wetlands, local water bodies, municipal drainage systems, or abutting property, must be treated in compliance with these criteria.

**2. Site Planning**

Low impact development (LID) techniques must be incorporated into redevelopment projects in the Town.<sup>4</sup> Applicants must use decentralized systems that involve the placement of a number of small treatment and infiltration devices located close to the various impervious surfaces that generate stormwater runoff in place of a centralized system comprised of closed pipes that direct all drainage from the entire site into one large detention basin. Exceptions may be made for incidences where a demonstrated public purpose (such as preserving a historic resource or a significant natural feature) is found to be served by the permitting board or agency which would necessitate the use of underground recharge systems.

The site planning process shall be documented and include the following steps:

- (a) Perform Site Analysis – Identify and map important natural features such as streams and drainageways, floodplains, wetlands, recharge groundwater protection areas, high-permeability soils, steep slopes and erosion-prone soils, woodland conservation areas, farmland, and meadows.
- (b) Layout Preferred Development Scenario – Prepare preferred site development layout that minimizes total impervious area, reflects the existing topography, and uses existing hydrologic features. Potential layout may consider cluster development, parking garages, taller buildings, reduced road widths, smaller parking areas, permeable paving, and green roofs. Roadway layouts shall minimize disturbance of natural drainage patterns by following existing grades.
- (c) Create a Decentralized Stormwater System – Manage runoff at the source to the extent practical through the use of small decentralized structures, such as swales, bioretention areas, infiltration structures, filter strips, rain barrels, cisterns, dry wells, and vegetated areas. Increase the time of concentration (average time for rainfall to reach a point) by using open, vegetated drainage systems and maximizing overland or sheet flow.

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<sup>4</sup> Unless the criteria within these Guidelines which allows for alternative design as described herein is shown to be met.

Where unpaved roads are proposed, the designer must consider the implications of the unpaved surface with respect to the sustainability of LID Best Management Practices (BMPs). The basis for the engineering design of BMPs for projects with unpaved roadways shall include proven techniques for addressing erosion and sedimentation concerns. The Massachusetts Unpaved Roads BMP Manual by Berkshire Regional Planning Commission, 2001<sup>5</sup> is cited as a source of relevant information.

Table 1. Summary of Design Criteria		
Issue Being Addressed	Design Criteria	Important Considerations
<b>Discharges</b>	All new discharges to wetlands, local water bodies, municipal drainage systems, or abutting property must be treated.	
<b>Site Planning</b>	Low impact development (LID) site design techniques must be incorporated into all projects in the Town (the use of LID structural BMPs is encouraged, but such use does not by itself constitute a “site design technique”).	Site planning and layout must undergo pre-application review before final design. Pre-filing submittals shall contain DEP attributes, town critical areas of interest on and near the site, goals of the stormwater design, proposed changes to the site, proposed impacts or minimization of impacts based on the design, and list of any waivers.
<b>Peak Control</b>	Post-development peak discharge rates can not exceed pre-development peak discharge rates for the 2-, 10- & 25-yr, 24-hr storm events.  Evaluate the 100-yr storm event for offsite flooding impacts.	Control of peak discharge rates may be waived for areas within the 100-year coastal flood zone or subject to coastal tidal flow, if no detrimental impacts to downgradient infrastructure or neighboring properties can be demonstrated.  Emergency spill ways shall be designed to safely pass the 100-year storm assuming the primary outlet structure is not functioning.

<sup>5</sup> Berkshire Regional Planning Commission. (Winter 2001). *The Massachusetts Unpaved Roads BMP Manual: A Guidebook on How to Improve Water Quality While Addressing Common Problems*. (Project 98-06/319). Pittsfield, MA: Berkshire Regional Planning Commission.

**Table 1. Summary of Design Criteria**

<b>Stormwater Recharge</b>	<p><math>Re_v = [(S)(IA)]/12</math></p> <p>where</p> <p><math>Re_v</math> = recharge volume  IA = total impervious area  S = Soil Specific Recharge Factor (inch)*</p> <p>A soils = 0.60  B soils = 0.35  C soils = 0.25  D soils = 0.10</p> <p>In C and D soils and where bedrock is at the land surface, proponents are required to infiltrate the required volume only to the maximum extent practicable.</p> <p>*Note: The Soil Specific Recharge Factors were obtained from the Stormwater Management Standards contained within the Massachusetts Wetland Protection Regulations and 401 Water Quality Certification Regulations for recharge. Refer to these regulations for the most up to date recharge factors.</p>	<p>The recharge volume represents the volume per storm event. Annual recharge requirements must also be calculated using these criteria.</p> <p>Infiltration rates of soils for sizing recharge structures shall be calculated in accordance with the methods outlined in the Massachusetts Stormwater Handbook.</p> <p>Static infiltration sizing is required for any infiltration BMP used for treatment. Dynamic infiltration sizing may be used for recharge of clean roof runoff and for recharge following a treatment BMP.</p> <p>Consistent with the intent of the Stormwater Management Manual to implement LID Stormwater Management design, underground stormwater recharge systems may be allowed as follows:</p> <ol style="list-style-type: none"> <li>Underground recharge systems may be allowed for rooftop runoff.</li> <li>Underground recharge systems may be allowed for redevelopment projects and retrofits, where it is demonstrated that surface recharge systems or bioretention systems are not feasible.</li> <li>Exceptions may be made for incidences where a demonstrated public purpose (such as preserving a historic resource or a significant natural feature is found to be served by the permitting board or agency which would necessitate the use of underground recharge systems.</li> <li>Underground detention units may be used to accommodate peak storage control.</li> </ol>
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<b>Table 1. Summary of Design Criteria</b>		
<b>Water Quality Volume (WQV)</b>	$WQV = [(1'')(IA)]$	For any BMP that discharges to a cold water fishery, treatment must consist of infiltration, use of a gravel underdrain outlet, or other approved method for mitigation of temperature increases associated with surface water ponding.
<b>Pollutant Removal</b>	TSS – 80% T. Phos. – 60% T. Nitrogen – 30%	
<b>Critical Areas</b>	Only approved BMPs are allowed for discharges to critical areas.  Shut down & containment required near critical resources.	Approved Treatment BMPs: <ul style="list-style-type: none"> <li>• Filtering bioretention areas</li> <li>• Constructed stormwater wetlands</li> <li>• Gravel wetlands</li> <li>• Proprietary media filter</li> <li>• Sand/organic filters</li> <li>• Wet basins (lined &amp; sealed if 44% pretreatment not attained)</li> <li>• Exfiltrating bioretention areas</li> <li>• Dry wells</li> <li>• Infiltration basins</li> <li>• Infiltration trenches</li> <li>• Subsurface structures</li> </ul>
<b>Redevelopment</b>	Must meet the same standards as new development, unless it is proven to be infeasible and is otherwise consistent with the Guidelines herein. At a minimum, existing stormwater conditions must be improved including: reduction of peak rates, reduction of discharge volume, increased recharge, and increased water quality treatment, unless the standards are already fully met.	Pre-development refers to the site as it was before it was developed. It does not refer to existing conditions.
<b>Erosion and Sedimentation Controls</b>	Develop and implement an erosion and sedimentation control plan.	Plan should satisfy SWPPP requirements if required and Zoning Bylaw.
<b>Illicit Discharges</b>	Submit an Illicit Discharge Compliance Statement verifying no illicit discharges exist on the site.	Applies to both new and redevelopment. For redevelopment, provide summary of steps taken to verify no illicit discharges.

Table 1. Summary of Design Criteria		
<b>Pretreatment</b>	<p>Provide pretreatment for all treatment and recharge BMPs. Pre-treatment shall be designed for hydraulic capacity, and in addition to hold 1-year worth of sediment. To obtain an annual sediment volume, perform the following calculation.</p> <p>For impervious areas:  <math display="block">\text{Area to be sanded (acres} \times 500 \text{ pounds/acre-storm} \div 90 \text{ lbs/ft}^3 \times 10 \text{ storms/yr} = \text{ft}^3 \text{ of sediments/yr}</math> </p> <p>For pervious areas:            Use the Revised Universal Soil Loss Equation (RUSLE)         </p>	
<b>O&amp;M</b>	All applicants must develop an O&M strategy.	Must cover responsible party, funding, routing O&M practices, major repair/replacement items, and records retention and reporting.



### 3. Peak Control

The following criteria shall be followed to control peak discharge rates and improve the overall effectiveness of the stormwater treatment systems. These are minimum design criteria.

- (a) The post-development peak discharge rate shall be equal to or less than the pre-development peak discharge rate (based on a 2-year, 10-year, and 25-year, 24-hour storm); *and*
- (b) The 100-year, 24-hour storm event must be evaluated to demonstrate that there will not be increased flooding impacts off-site.
- (c) The site shall be designed to ensure that all runoff from the site up to the maximum design storm for the particular structure will actually enter the control structure. For example, the control structure may be designed for the 25-year storm, while the drainage system may only be sized to handle a ten-year storm, with larger storms flooding the distribution system and traveling overland. This overland flow, or overflow, must be directed into the peak control structure; *and*
- (d) For each design storm, the applicant shall account for all run-on and run-off (including off-site impacts) in both pre- and post-development conditions; *and*
- (e) Emergency spill ways shall be designed to safely pass the 100-year storm assuming the primary outlet structure is not functioning; *and*
- (f) Use SCS methods (TR-20 or TR-55) to develop hydrographs and peak flow rates for the proposed development site. The hydrograph time interval (dT) in TR-20 shall be no greater than 0.1 hours. All areas shall be accounted for in the pre/post runoff calculations. The total tributary area that contributes flow from the proposed site, including runoff entering the site through piped drainage or surface runoff from off-site sources, shall be included even if a portion does not contribute flow to the BMP. The objective is for the development's storm drain design to account for total runoff leaving the site; *and*
- (g) Use Curve Numbers (CN) values as provided in Table 2 to calculate stormwater runoff rates for pre/post construction ground surface conditions; *and*
- (h) Any site that was wooded within the last five years shall be considered undisturbed woods for all pre-construction runoff

- (i) Off-site areas should be modeled as “present land use condition” in good hydrologic condition for the 2 and 10-year storm events for both pre and post development calculations; **and**
- (j) The length of overland sheet flow used in time of concentration ( $t_c$ ) calculations shall be limited to no more than 50 feet for pre- and post-development conditions.

<b>Table 2.</b>				
<b>Approved CN Values for the SCS Methods (TR-20, TR-55)</b>				
	<b>Hydrologic Soil Group</b>			
<b>Pre-Construction Runoff Curve Number (CN Values)</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Open space such as lawns, parks, and cemeteries <sup>2</sup>	68	79	86	89
Woods and forest <sup>3</sup>	30	55	70	77
Impervious areas such as paved parking lots, driveways and roofs	98	98	98	98
Gravel roads (processed, dense graded)	76	85	89	91
Dirt roads	72	82	87	89
Newly graded pervious areas (no vegetation)	77	86	91	94
<b>Post-Construction Runoff-Curve Number (CN Value)</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Open space such as lawns, parks, and cemeteries <sup>2</sup>	68	79	86	89
Woods and forest that is selectively cleared <sup>3</sup>	43	65	76	82
Impervious areas such as paved parking lots, driveways and roofs	98	98	98	98
Gravel roads (processed, dense graded)	76	85	89	91
Dirt roads	72	82	87	89
Newly graded pervious areas (no vegetation)	77	86	91	94

Source: TR-55, 1986

*Notes:*

1. The runoff curve numbers are for use in calculating runoff with SCS methods or other approved models.
2. The open space CN values for lawns, parks, and cemeteries assumes a “poor” condition for grass cover since the post-construction amount of grass cover cannot be predicted or guaranteed.
3. The pre-construction CN value for woods and forest is based on a “good” condition where the woods are undisturbed and brush adequately covers the soil. The post-construction CN value for woods and forest is based on a “fair” condition if any selective cutting is conducted since the soils typically become compacted due to the equipment used to remove the large white pines and there may be post-cutting wind damage to the remaining unsupported canopy. If the applicant can demonstrate that no disturbance will occur during construction, then the pre-construction CN value for woods may be used for the post-construction runoff calculations. A note should be placed on the plan indicating where selective cutting will occur.

#### 4. Stormwater Recharge

The volume of water to be recharged shall be based on the site soils. The volume of water to be retained from the developed site shall be calculated using the following equation:

$$Re_v = [(S)(IA)]/12, \text{ where}$$

$Re_v$  = recharge volume  
 $IA$  = total impervious area  
 $S$  = Soil Specific Recharge Factor (inch)

<u>Hydrologic Group</u>	<u>Soil Specific Recharge Factor*</u>
A	0.60
B	0.35
C	0.25
D	0.10

\*Note: The Soil Specific Recharge Factors were obtained from the Stormwater Management Standards contained within the Massachusetts Wetland Protection Regulations and 401 Water Quality Certification Regulations for recharge. Refer to these regulations for the most up to date recharge factors.

The following criteria shall also apply:

- (a) In C and D soils and where bedrock is at the land surface, proponents are required to infiltrate the required volume only to the maximum extent practicable.
- (b) All recharge systems must receive pre-treatment prior to recharge. All pretreatment devices must meet the criteria outlined under Design Criteria 4.
- (c) Compaction of soils in designated recharge areas must be minimized during or after construction.
- (d) If more than one soil type is present at the site, a composite soil specific recharge factor shall be computed based on the proportion of total site area within each soil type. To the extent practical, the recharge volume provided at the site shall be directed to the most permeable soils available.
- (e) The Town may alter or eliminate the recharge volume requirement if the site is situated on unsuitable soils (i.e., marine clays), karst or in an urban redevelopment area. In this situation, non-structural practices (filter strips that treat rooftop or parking lot runoff, sheet flow discharge to stream buffers, and grass channels that treat roadway runoff) shall be implemented to the maximum extent

practicable and the remaining or untreated volume included in the water quality volume.

- (f) The system shall be designed based on calculated infiltration rates using the methods outlined in the Massachusetts Stormwater Handbook.
- (g) All units/devices shall be designed to drain within 72 hours from the end of the storm.
- (h) Consistent with the intent of the Stormwater Management Manual to implement Low Impact Development (LID) Stormwater Management design, underground stormwater recharge systems may be allowed as follows:
  - i. Underground recharge systems may be allowed for rooftop runoff.
  - ii. Underground recharge systems may be allowed for re-development projects and retro-fits, where it is demonstrated that surface recharge systems or bioretention systems are not feasible.
  - iii. Exceptions may be made for incidences where a demonstrated public purpose (such as preserving a historic resource or a significant natural feature) is found to be served by the permitting board or agency which would necessitate the use of underground recharge systems.
  - iv. Underground detention units may be used to accommodate peak storage control

## 5. Water Quality Volume

The water quality volume required to be treated shall be calculated as:

$$WQV = [(1 \text{ inch})(IA)]/12, \text{ where}$$

WQV = water quality volume  
IA = total impervious area  
12 = conversion factor (inches per foot)

For any BMP that discharges to a cold water fishery, treatment must consist of infiltration, use of a gravel underdrain outlet, or other approved method for mitigation of temperature increases associated with surface water ponding.

## 6. **Pollutant Removal**

All treatment devices should remove the following percentages:

Total Suspended Solids – 80%

If requested by the Town:

Total Phosphorus – 60%

Total Nitrogen – 30%

## 7. **Critical Areas**

Critical areas include all waters listed on the most recent version of the *Massachusetts Integrated List of Water, Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 303(d) and 305(b) of the Clean Water Act*. In Plymouth, Critical Areas of Interest also include, if not contained within the listings noted in the preceding sentence: Zone II of public water supplies,<sup>5</sup> coastal waters, eelgrass beds, shellfish beds, anadromous fish runs, cold water fisheries, aquatic rare and endangered species habitat<sup>6</sup> including coastal plain ponds, and headwaters and tributaries to streams and surface waters.

- (a) Only approved BMPs are allowed for discharges to critical areas. Approved treatment BMPs are listed in Table 1.
- (b) Provisions for shut down and containment are required near critical resources.

## 8. **Redevelopment**

Redevelopment projects must meet the same criteria as new development to the maximum extent practicable. At a minimum, existing stormwater conditions must be improved including: reduction of peak rates, reduction of discharge volume, increased recharge, and increased water quality treatment, unless the criteria are already fully met.

For the purposes of the redevelopment projects, pre-development refers to the site as it was before it was developed. It does not refer to existing conditions.

## 9. **Erosion and Sedimentation Controls**

Please refer to the Town of Plymouth Zoning Bylaw, Section 205-18 Natural Features Conservation Requirements with respect to erosion and sediment controls.

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<sup>5</sup> In a Zone II of a public water supply, with respect to the Town of Plymouth Zoning Bylaw Section 205-57, the more restrictive of the water quality requirements shall govern where there is a discrepancy with these Guidelines.

<sup>6</sup> AND where said rare or endangered species is dependent on a resource which may be impacted by the proposed design (such as an 'upland' salamander depending on a vernal pool for reproduction).  
A Guide for the Design of Storm Drainage Facilities in the Town of Plymouth, Massachusetts  
March, 2009



## 10. Illicit Discharges

The applicant shall submit an Illicit Discharge Compliance Statement verifying no illicit discharges exist on the site. For redevelopment projects, the applicant must provide a summary of the steps taken to verify no illicit discharges.

## 11. Pretreatment

Pretreatment devices must be designed as follows:

- (a) Pre-treatment devices shall be provided for each Stormwater Treatment System (STS); *and*
- (b) Pre-treatment devices shall be designed to capture anticipated pollutants, such as oil and grease; *and*
- (c) The Revised Universal Soil Loss Equation (RUSLE)<sup>8</sup> shall be used to calculate sediment deposits that occur from pervious areas adjacent to the BMP; *and*
- (d) Pretreatment structures shall be sized to hold an annual sediment loading. An annual sediment load shall be calculated by adding the sediment loading from pervious areas to the sediment loading from impervious areas. The sediment loading from impervious areas should be calculated using a sand application rate of 500 lbs/acre for sanding of roadways, parking areas and access drives within the subcatchment area, a sand density of 90 lbs per cubic foot and assuming a minimum frequency of ten sandings per year. To obtain an annual sediment volume, perform the following calculation:

Sanding Load from Impervious Areas:

Impervious area (acres) x 500  $\frac{\text{pounds}}{\text{acre-storm}}$  ÷ 90  $\frac{\text{pounds}}{\text{ft}^3}$  x 10  $\frac{\text{storms}}{\text{year}}$  = cubic feet of sediment/yr to be sanded

Annual sediment volume =  $\frac{\text{Sediment Load From Impervious Areas}}{\text{Sediment Load from Pervious Areas}} + \text{Sediment Load from Pervious Areas}$

- (e) The developer shall maintain any STSs used to trap sediment during construction to prevent sediment from leaving the site, and shall remove all sediment from all STSs when construction is finished and the site is stabilized.

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<sup>8</sup> Developed by the Natural Resources Conservation Service, USDA to predict soil erosion due to water.

**12. O&M**

All applicants must develop an O&M Strategy containing the information outlined in Section 2.0.

## 4.0 Closed Drainage Systems

The following criteria shall be used to design closed drainage systems that collect and convey runoff from roadways. The requirements in this section shall not be interpreted to in any way reduce the requirement that stormwater systems must be decentralized to the extent practical. Except as amended herein, all other relevant provisions within this document apply to closed drainage systems.

### 1. Basis of Design

Closed systems shall be designed in accordance with the relevant provisions of the latest edition of the Massachusetts Highway Department Project Development and Design Guide, as amended herein.

- (a) Rational Method – The Rational Method shall be used to size closed drainage system components and the following runoff coefficient values shall be applied:

• Heavily wooded:	0.20
• Grassed:	0.30
• Bare Ground and Gravel:	0.50
• Roads (paved and unpaved):	0.90
• All other pavement:	0.90
• Roofs:	0.90

### 2. Drainage Structures

- (a) Catchbasin frames and grates shall be LeBaron LF 248-2, three flange or acceptable equivalent.
- (b) Manhole frames and covers shall be LeBaron LF 110A or acceptable equivalent.
- (c) A single grate catchbasin shall be considered to have a maximum inlet capacity of 2.5 CFS. Inlets of greater capacity shall be subject to individual analysis and approval.
- (d) Systems with more than four catch basins shall have a gas/oil separator provided in the last structure prior to outlet.

### 3. Pipe

- (a) Drain pipes shall be a minimum of 12 inches in diameter.
- (b) Minimum cover for concrete pipe shall be 2.5 feet.
- (c) Corrugated metal pipe shall not be used.

- (d) High density polyethylene pipe (HDPE) may be used. Minimum cover shall comply with manufacturer requirements. In no case shall cover be less than 18 inches for HDPE pipe.
- (e) In cases where 18 inches cover can not be provided, ductile iron pipe may be considered. Use of ductile iron pipe must be in accordance with manufacturer's requirements.

#### **4. Leaching Drainage Structures**

The following requirements apply specifically to roadway leaching drainage structures within roadways.

- (a) Roadway leaching drainage structures are manholes or other subsurface structures that collect roadway drainage and provide infiltration capacity in lieu of an outlet to a swale or surface basin.
- (b) Use of leaching drainage structures for peak control as described herein shall only be considered if it can be demonstrated that there is no practical means to outlet the stormwater to other Best Management Practices as described in Section 3.0 Design Performance Criteria.
- (c) Leaching catch basins or drop inlets will not be allowed. All catch basins, including catch basins upstream of roadway leaching drainage structures, shall be provided with deep sumps.
- (d) Roadway leaching drainage structures shall be sized using the Static Method specified in the Massachusetts Stormwater Handbook and the criteria contained herein. A percolation test shall be performed at the location of each roadway leaching drainage structure. An actual percolation rate of greater than ten minutes per inch will not be considered adequate for this type of design.
- (e) Roadway leaching drainage structures shall be sized to provide a minimum of three feet of freeboard to the roadway surface above the maximum water elevation for the design storm event.
- (f) A minimum design rate of four times the actual rate (measured by percolation test) will be used to size roadway leaching drainage structures.

#### **5. Closed System Outlets**

In order to verify that sufficient capacity will be provided in detention facilities downstream of closed system outlets collecting and conveying stormwater runoff from roadways, the Closed System Detention Worksheet in Appendix B shall be completed and submitted.

The worksheet is not intended in any way to replace or supercede other sizing criteria contained in these guidelines. The intention of this worksheet is to provide supplemental verification that adequate capacity exists to avoid roadway flooding during the design storm event.

Where it can be demonstrated that there is no risk of roadway flooding, the worksheet will not be required.



## 5.0 Stormwater Best Management Practices

### 5.1 BMP Selection

Not all BMPs are created equal. Some are suitable for controlling peak flows, but provide little to no water quality treatment. Some are suitable for permeable soils, but don't work well with tighter, clay soils. Some BMPs will remove a significant amount of sediment, but do little to treat phosphorus or nitrogen. In order to provide comprehensive stormwater management, BMPs must be selected to fit the site and ultimate treatment goals.

Plymouth has prepared a BMP selection matrix (Table 3) to aid in the selection and siting of BMPs based on specific site conditions. The applicability of various BMPs based on site specific information is summarized in the table through the use of a shaded circle and an outline of a circle. A shaded circle indicates that the BMP is applicable under that site criteria, while an outline of a circle indicates that it may be applied with careful site design. The absence of a circle indicates that the BMP is not appropriate for the particular site criteria. The site criteria evaluated for suitability includes:

- **Drainage Area** – The size of the drainage area going to the BMP will have some influence on the selection of BMPs, as some BMPs are well suited to large drainage areas, while others work best collecting stormwater from smaller areas. Plymouth encourages breaking the site up into smaller drainage areas for treatment.
- **Soil Hydrologic Group** – The soil hydrologic group influences the type of BMP that can be used on the site, particularly, infiltration type BMPs. Applicability is defined based on the four soil classifications A, B, C and D.
- **Land Area** – The amount of land required for each BMP was defined simply as 'Requires Large Land Area' and 'Requires Small Land Area'.
- **Applicability** – Defines the applicable uses of each BMP including peak control, recharge, water quality control, oil/grease and floatable removal, pretreatment, conveyance and distribution.
- **Pollutant Removal** – General pollutant removal efficiencies for each BMP were listed as available for total suspended solids, bacteria, total nitrogen and total phosphorus. These removal efficiencies are provided to aid in the selection of BMPs to address stormwater discharges to impaired waters. For example, if a water body is listed as impaired due to excess bacteria levels, a BMP targeted for bacteria removal should be selected.

- Setbacks – Setbacks to several features are listed for certain BMPs. These setbacks are based on septic system setbacks outlined in 310 CMR 15.000.
- References – References are provided for further information on BMP design.

Table 3. Best Management Practice Selection Matrix

	Drainage Area (acres)					Soil Hydrologic Group					Depth to High Water Table / Depth to		Land Area		Applicability					Pollutant Removal				Reference	
	0-5	5-10	10-25	25-50	50+	A	B	C	D	0-3 ft	3+ ft	Requires Large Land Area	Requires Small Land Area	Peak Control	Recharge	WQ Control	Oil/Grease & Floatables Removal	Pretreatment	Conveyance	Distribution	TSS	Bacteria	Total Nitrogen	Total Phosphorus	
Low Impact Development (LID) Site Management Practices	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
Runoff Management BMPs	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
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	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
Infiltration Systems	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
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	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
Proprietary Systems (some proprietary systems may be covered in the above categories)	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
	•	•	•	•	•	•	•	•	•	•	•	•	•	○											
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	•	•	•	•	•	•	•	•	•	•	•	•	•	○											

• Applicable  
○ May be applicable w/ careful design

References:  
1. Massachusetts Wetland Protection Regulations and 401 Water Quality Certification Regulations, Massachusetts Stormwater Handbook.  
2. NH DES Memorandum, Subject: BMP Removal Efficiencies for TSS, TN and TP, Date: Last Revised: 5/24/07

Notes:  
\*Bioretention in C and D soils requires an underdrain to discharge.  
\*Setbacks from Massachusetts Title 5 Regulations, 310 CMR 15.00, obtained from MA DEP's website on October 5, 2007.  
\*Setbacks for the Detention Basin and all setbacks under "Septic System Leachfield and Septic System Tank" are from the Stormwater Management Standards in association with the Massachusetts Wetland Protection Regulations and 401 Water Quality Certification Regulations.



In addition to the references provided in the BMP Matrix table, Plymouth has outlined important design considerations for some BMPs. These are included in Table 4. In some cases, these design considerations include refinement taking into account local conditions and preferences and should take precedence.

Plymouth has also outlined its preferences for the types of BMPs used to achieve Low Impact Development Goals. These preferences are included in Table 5.

## **5.2 Other Design Considerations**

Landscape features also play an important role to the hydrologic cycle. Soil preparation and plant selection can impact the amount of runoff leaving a site and influence watering requirements. Plymouth recommends that an experienced landscape designer be involved in the selection of plants for the landscape and for stormwater treatment BMPs such as bioretention devices to promote an appropriate selection that is attractive and functional for the available site conditions.



Table 4. Important Design Considerations	
BMP Type	Important Design Considerations
<b>Low Impact Development (LID)</b>	
Site Management Practices	Projects must undergo pre-file for review before final design. Pre-filing submittal requirements are outlined in Section 2.0.
Interception or Recharge Practices (constructed BMPs)	
Green Roof	
Rain Barrel/Cisterns (with on-site re-use)	
Rain Garden/Bioretenention	<ol style="list-style-type: none"> <li>1. Soil mix must contain &lt;5% silt/clay passing the #200 sieve;</li> <li>2. Filter fabric shall not be placed beneath the soil mix;</li> <li>3. Underdrain required in C, D soils and where groundwater levels exceed allowable clearance for infiltration.</li> </ol>
Pervious Pavers/Pervious Pavement	<ol style="list-style-type: none"> <li>1. If unit pavers are used, joints must be at least 3/8" wide or consist of units with a pattern of open areas that allow for infiltration of runoff.</li> <li>2. Pavers must be placed over an open-graded aggregate base that filters, stores, and infiltrates runoff.</li> </ol>
<b>Runoff Management BMPs</b>	<ol style="list-style-type: none"> <li>1. Emergency spill ways shall be designed to safely pass the 100-year storm assuming the primary outlet structure is not functioning.</li> </ol>
Basins	
Detention	
Dry Extended Detention	
Wet Extended Detention	
Wet Pond	<ol style="list-style-type: none"> <li>1. An underdrain gravel outlet must be used to cool discharges to cold water fisheries.</li> <li>2. The permanent pool must be sized with a minimum pool to runoff ratio of 4:1.</li> </ol>
Created Wetland	
Buffers	
Vegetated Filter Strip	
Infiltration Systems	<ol style="list-style-type: none"> <li>1. Pretreatment to remove sediments is required for all infiltration systems and must be sized to hold one year worth of sediment;</li> <li>2. When used as treatment, infiltration rate may not exceed 2.4 inches/hour;</li> <li>3. Soil infiltration rates shall be calculated in accordance with the Massachusetts Stormwater Handbook;</li> <li>4. Minimum 3 foot separation between bottom of BMP and seasonal high groundwater;</li> <li>5. Infiltration systems must drain completely within 72 hours;</li> <li>6. Avoid compaction of soils in infiltration area.</li> <li>7. Closed roadway infiltration systems shall provide three feet of freeboard.</li> </ol>
Infiltration Basin (Recharge Basin)	
Infiltration (Recharge) Trenches and Beds	
Dry Wells and Galleys	

Table 4. Important Design Considerations	
Leaching Catch Basins/Leaching Basins	
Filter Systems	
Organic/Sand Filter	
Bioretention (includes rain gardens)	<ol style="list-style-type: none"> <li>1. Soil mix must contain &lt;5% silt/clay passing the #200 sieve;</li> <li>2. No filter fabric is allowed beneath the soil mix;</li> <li>3. Underdrain required in C, D soils and where groundwater levels exceed allowable clearance for infiltration.</li> </ol>
Water Quality Swales	
Dry Swale	Conform to design criteria in MassHighway (2004), except delete the "Hydraulic Residence Time" criterion and instead size the swale to retain and infiltrate the Water Quality Volume
Wet Swale	Size for WQV (MassHighway, 2004)
Bioretention Swale	Size for WQV (MassHighway, 2004)
Vault Structures	
Deep Sump Catch Basins	
Water Quality Inlet/Oil/Water Separator	
Hydrodynamic Separators	Performance criteria must be documented, based on credible study (as categorized by MASTEP) - see Note 1
Proprietary Systems (some proprietary systems may be covered in the above categories)	
Other "Vault" Structures	Performance criteria must be documented, based on credible study (as categorized by MASTEP) - see Note 1
Catch Basin Inserts	Performance criteria must be documented, based on credible study (as categorized by MASTEP) - see Note 1
Outlet Adaptations	Performance criteria must be documented, based on credible study (as categorized by MASTEP) - see Note 1
<b>Conveyance Practices</b>	
Vegetated Channel	Vegetated channels shall be designed for both <u>capacity</u> (ability to carry design flows without overtopping) and <u>stability</u> (resistance to erosion under the full range of design flows)
Level Spreader	Level spreaders must be sited and constructed, so as not to result in the re-establishment of concentrated flow down-slope of the device.
Flow Splitter	

## Notes:

1. The Massachusetts Stormwater Technology Evaluation Project (MASTEP) provides a web site at <http://www.mastep.net/> to provide verified technical information on innovative technologies for stormwater Best Management Practices (BMPs). The program does not rate the technologies, but provides information on whether the technologies have been evaluated according to accepted protocols and/or credible scientific evaluation procedures. Vendors' claims regarding removal efficiencies for particular products should be evaluated only after consulting the MASTEP database, to determine whether appropriate studies have been conducted to verify the claims.

Table 5. Preferred BMPs for LID			
	Preferred BMPs Based on Soil Types and Groundwater		
	A or B Soils	C or D Soils	High Groundwater
<b>1. Always begin with Site Management Practices to minimize runoff</b> <ol style="list-style-type: none"> <li>Minimize disturbance area</li> <li>Preserve natural depression areas</li> <li>Preserved infiltratable soils</li> <li>Minimize site imperviousness</li> <li>Disconnect impervious area</li> </ol>	<ol style="list-style-type: none"> <li>Dry wells/ leaching catch basins</li> <li>Pervious pavement</li> <li>Greenroof</li> <li>Filter strips</li> <li>Rain barrel/ cistern</li> </ol>	<ol style="list-style-type: none"> <li>Filter strips</li> <li>Rain barrel/ cistern</li> </ol>	<ol style="list-style-type: none"> <li>Filter strips</li> <li>Greenroof</li> <li>Rain barrel/ cistern</li> </ol>
<b>2. Implement water quality BMPs for remaining runoff. Control the stormwater runoff where it is generated rather than an "end of pipe" solution. Consider the pollutant of concern based on the type of development and known impairments to receiving waters. All BMPs require pretreatment.</b>	<ol style="list-style-type: none"> <li>Raingardens/ bioretention that infiltrates</li> <li>Surface infiltration system</li> <li>Organic/ sand filter</li> <li>Dry treatment swale</li> <li>Vegetated filter strip</li> <li>Extended detention</li> </ol>	<ol style="list-style-type: none"> <li>Raingardens/ bioretention to underdrain discharge</li> <li>Organic/ sand filter to underdrain discharge</li> <li>Wetlands</li> <li>Wet pond</li> <li>Wet or dry treatment swale</li> <li>Vegetated filter strip</li> <li>Extended detention</li> </ol>	<ol style="list-style-type: none"> <li>Raingardens/ bioretention to underdrain discharge</li> <li>Organic/ sand filter to underdrain discharge</li> <li>Wetlands</li> <li>Wet pond</li> <li>Wet or dry treatment swale</li> <li>Vegetated filter strip</li> <li>Extended detention</li> </ol>
<b>3. Provide peak flow control for remaining runoff.</b>	<ol style="list-style-type: none"> <li>Extended detention</li> <li>Detention basin</li> <li>Underground peak control</li> </ol>	<ol style="list-style-type: none"> <li>Extended detention</li> <li>Detention basin</li> <li>Wet pond</li> <li>Underground peak control</li> </ol>	<ol style="list-style-type: none"> <li>Extended detention</li> <li>Detention basin</li> <li>Wet pond</li> <li>Underground peak control</li> </ol>
<b>4. The following may not be used as a stand alone treatment device, rather can be used as pretreatment in combination with other treatment devices.</b> <ol style="list-style-type: none"> <li>Water quality inlet/oil/water separator</li> <li>Hydrodynamic separators</li> <li>Other "vault" structures</li> <li>Catch basin inserts</li> </ol>			

## Appendix A Pre-Application Cover Sheet

**Town of Plymouth, Massachusetts  
Pre-Application for Stormwater Design**

See Town of Plymouth web site [www.plymouth-ma.gov](http://www.plymouth-ma.gov) to download this document. Copies are available for review or purchase in the Planning and Engineering offices.

<b>Project Name (if applicable):</b>
<b>Project Location:</b>
<b>PID #s:</b>
<b>Primary contact information (name, address, phone, email):</b>

**Please attach the requested information per Section 2.0 of A  
GUIDE FOR THE DESIGN OF STORM DRAINAGE FACILITIES IN  
THE TOWN OF PLYMOUTH, MASSACHUSETTS, as amended**

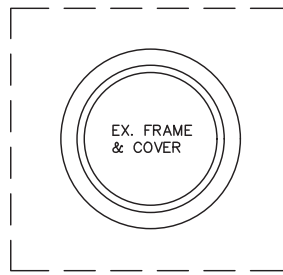
**This information shall be provided by the Applicant to the  
following Town departments for comment: DPW Engineering,  
DPW Environmental Management, Planning, Health, and  
Conservation. If no comment is received within thirty (30) days  
of the filing, the Applicant may assume no comment is  
forthcoming.**



## Appendix B

### Closed System Detention Worksheet

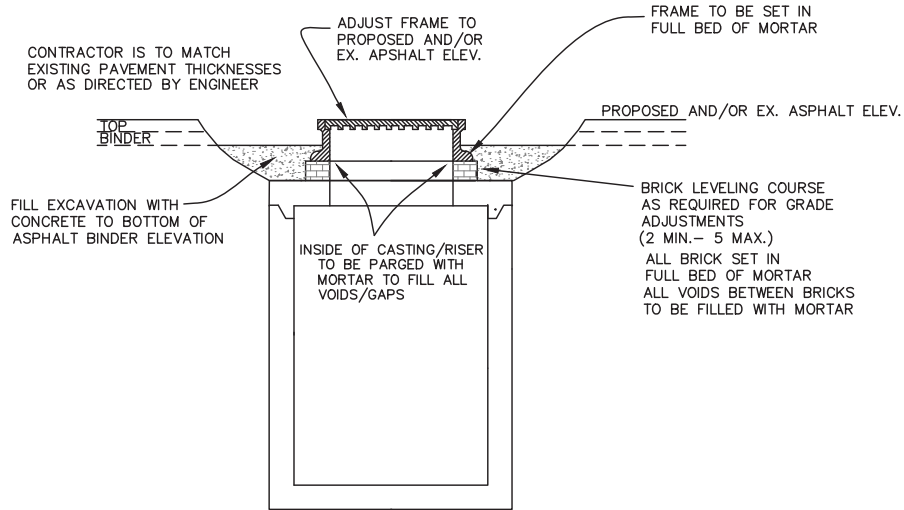




PLAN - VIEW

CONTRACTOR IS TO  
NEATLY SAW CUT ASPHALT AROUND  
EXISTING FRAME & COVER/GRATE

CONTRACTOR IS TO  
NEATLY SAW CUT ANY BROKEN  
EDGES OF ASPHALT DAMAGED  
DURING THE RAISING/ADJUSTMENT  
PROCESS



CROSS - SECTION

TYPICAL STRUCTURE RAISING/ADJUST DETAIL  
NOT TO SCALE

## TYPICAL STRUCTURE RAISING DETAIL

### TOWN OF PLYMOUTH DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

NOT TO SCALE

26 COURT STREET  
PLYMOUTH, MA 02360  
(508)-747-1620

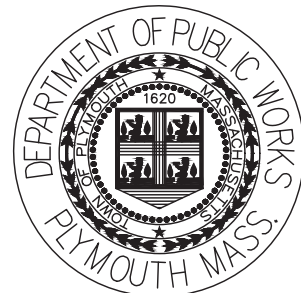
DRAWN BY: REB  
CHECKED BY: SSK  
APPROVED BY: SSK  
**SHEET 1 OF 1**

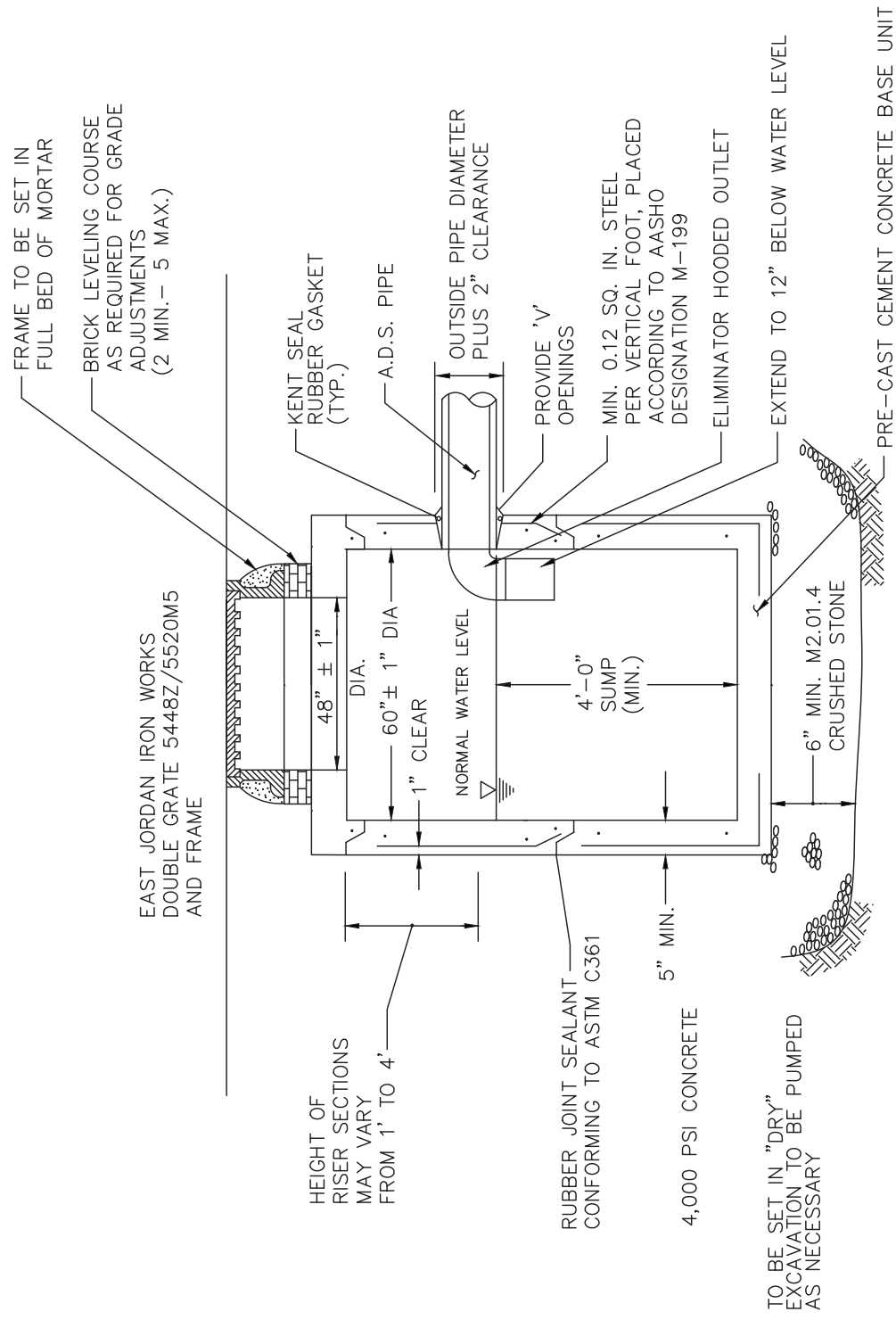
PLAN

**DATE: AUGUST 13, 2019**

REVISIONS:

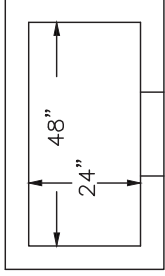
BY:



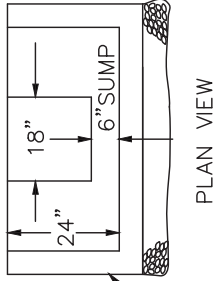


## DOUBLE GRATE PRE-CAST CONCRETE CATCH BASIN

NOT TO SCALE

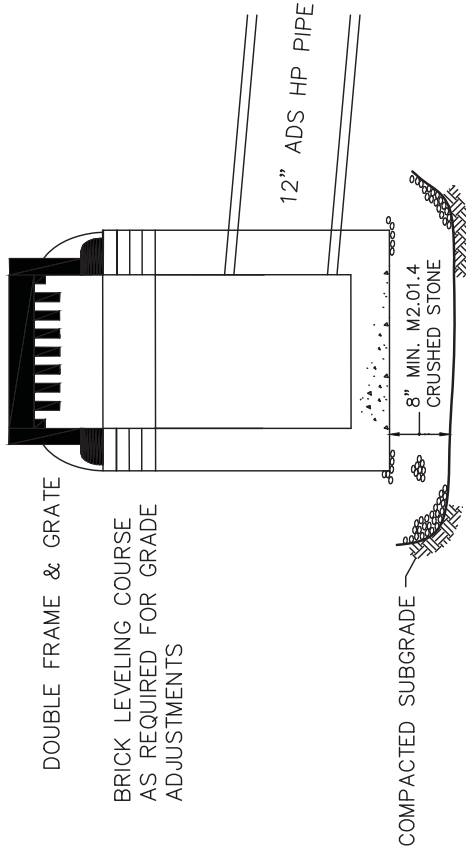


TOP VIEW



PLAN VIEW

PRECAST CURB INLET  
CONC. AS PER MDPW 202.4.0



DOUBLE FRAME & GRATE

BRICK LEVELING COURSE  
AS REQUIRED FOR GRADE  
ADJUSTMENTS

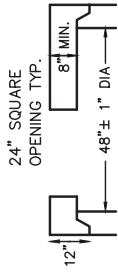
COMPACTED SUBGRADE

8" MIN. M2.01.4  
CRUSHED STONE

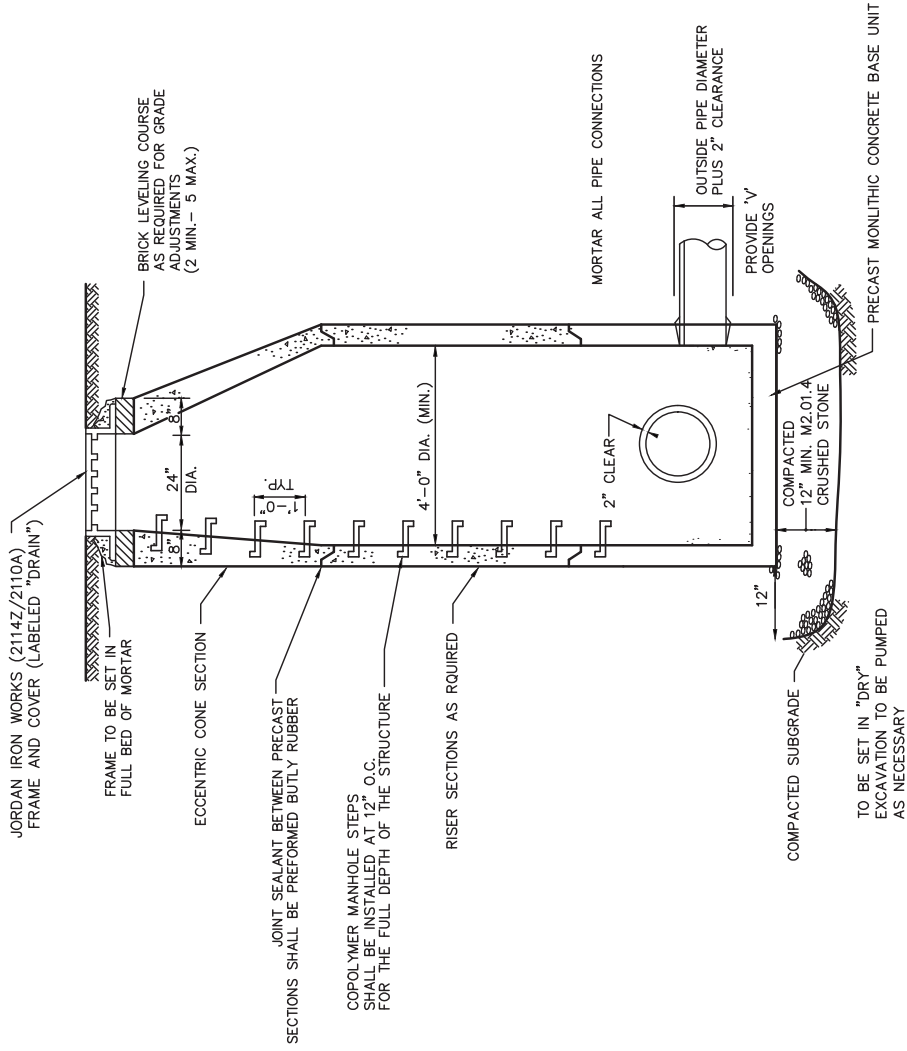
12" ADS HP PIPE

## TYPICAL DOUBLE GRATE DROP BOX



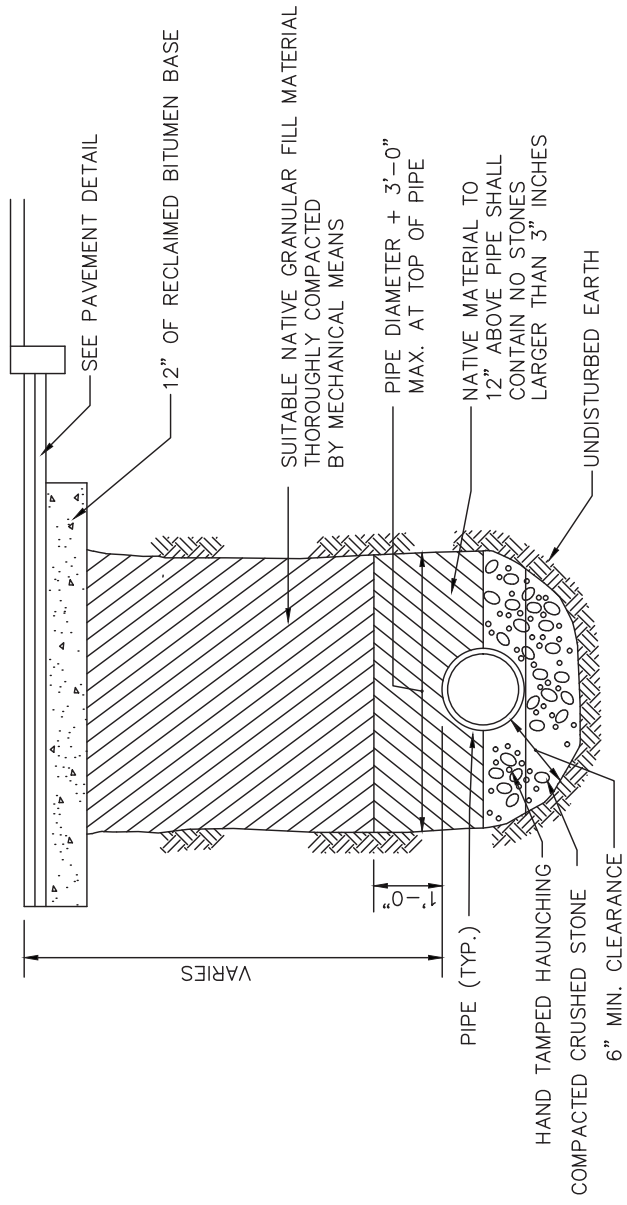


## ALTERNATE TOP SLAB



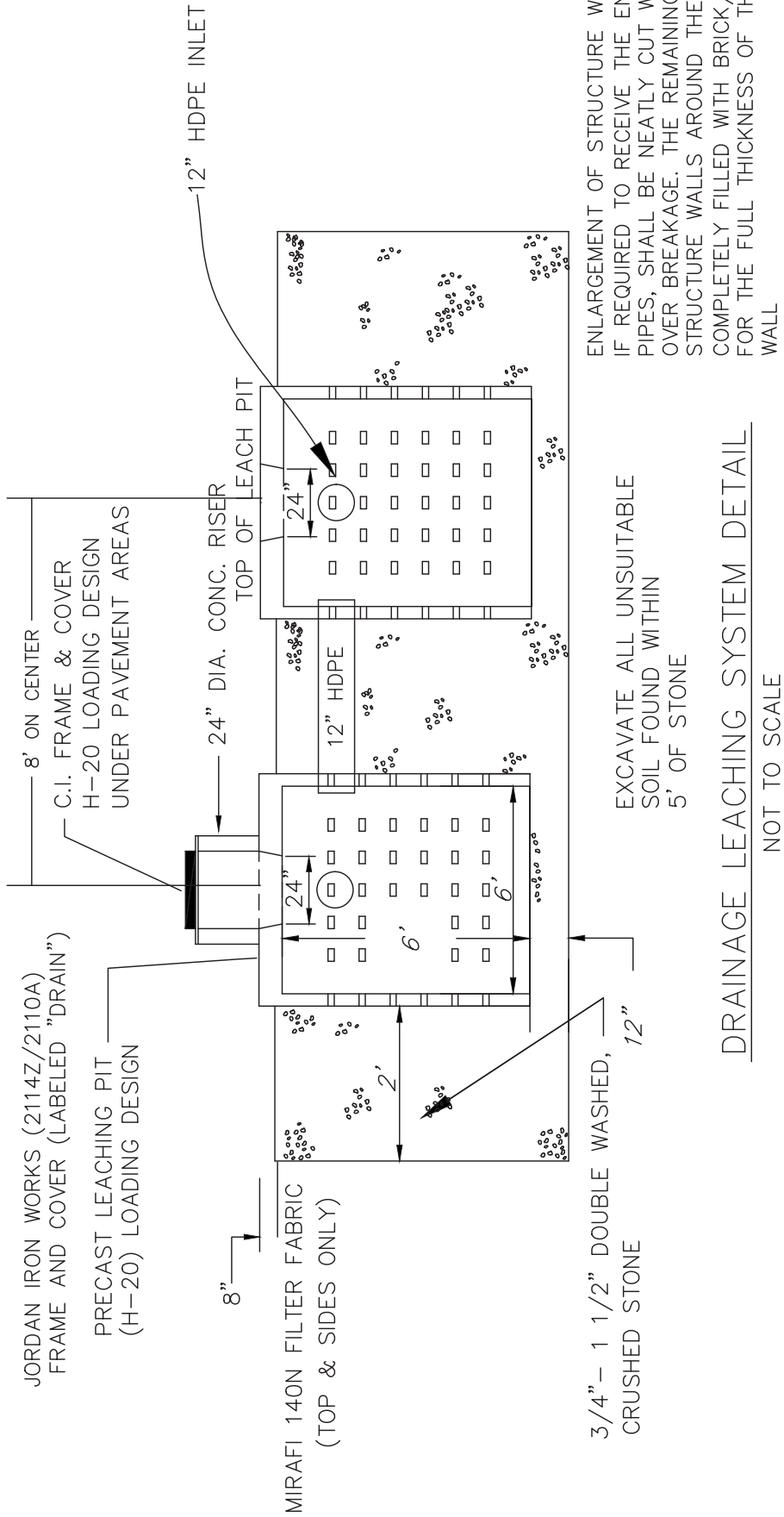
## PRECAST CONCRETE DRAIN MANHOLE

NOT TO SCALE



## TYPICAL DRAIN PIPE DETAIL

NOT TO SCALE



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Engineering Div. DPW	<b>Priority #:</b>	3
<b>Project Title and Description:</b> Proposed Wicking Wells & Drainage Improvements on Manomet Avenue	<b>Total Project Cost:</b>	\$595,000.00

**Department/Division Head:** Richard Bosse, P.E. - Acting Town Engineer

**Check if project is:** New ☐ Resubmitted ☒ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):** FY23 ATM

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design		Design will be done by in-house Engineering Division staff.	FY28		
Labor and Materials	\$515,000.00	Includes Construction and Police Details	FY29		
Administration			FY30		
Land Acquisition			FY31		
Equipment			FY32		
Other					
Contingency	\$80,000.00	15% Construction Contingency			
Total Capital	\$595,000.00				

**Project Justification and Objective:** See Attachment: \_\_\_\_\_

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

## Wicking Wells & Drainage Improvements on Manomet Avenue

### Project Justification and Objective:

In order to address the poor roadway surface/asphalt conditions of Manomet Avenue, DPW anticipates pushing forward to reclaim and pave binder (base course of asphalt) this fall.

To address the on-going drainage issues, erosion issues and preserve the new roadway surface, we are requesting funding for the construction and installation of 3 new wicks wells.

Ex. Stormwater discharges along Manomet Avenue has been exacerbating erosion issues along the bluff that runs parallel to the street. There is a confining clay layer located approximately 30 to 40 feet below the surface of the road. This clay layer intercepts subsurface stormwater infiltration and redirects it toward the adjacent cliff face, which contributes to erosion of the cliff. The proposed wicking wells are intended to direct stormwater below the clay layer, which will allow the stormwater to infiltrate into the deeper, permeable subsurface materials. The design and construction of a wicking well is very similar to a traditional groundwater well. But instead of pumping water out of the ground, the wicking well directs water deep into the ground. The proposed project will involve the installation of three of wicking wells, each approximately 80 to 90 feet deep.

Once the new wells and associated drainage conveyance systems are installed, DPW would place the final top course of asphalt.





# PROPOSED WICK WELL LOCUS PLAN

TOWN OF PLYMOUTH

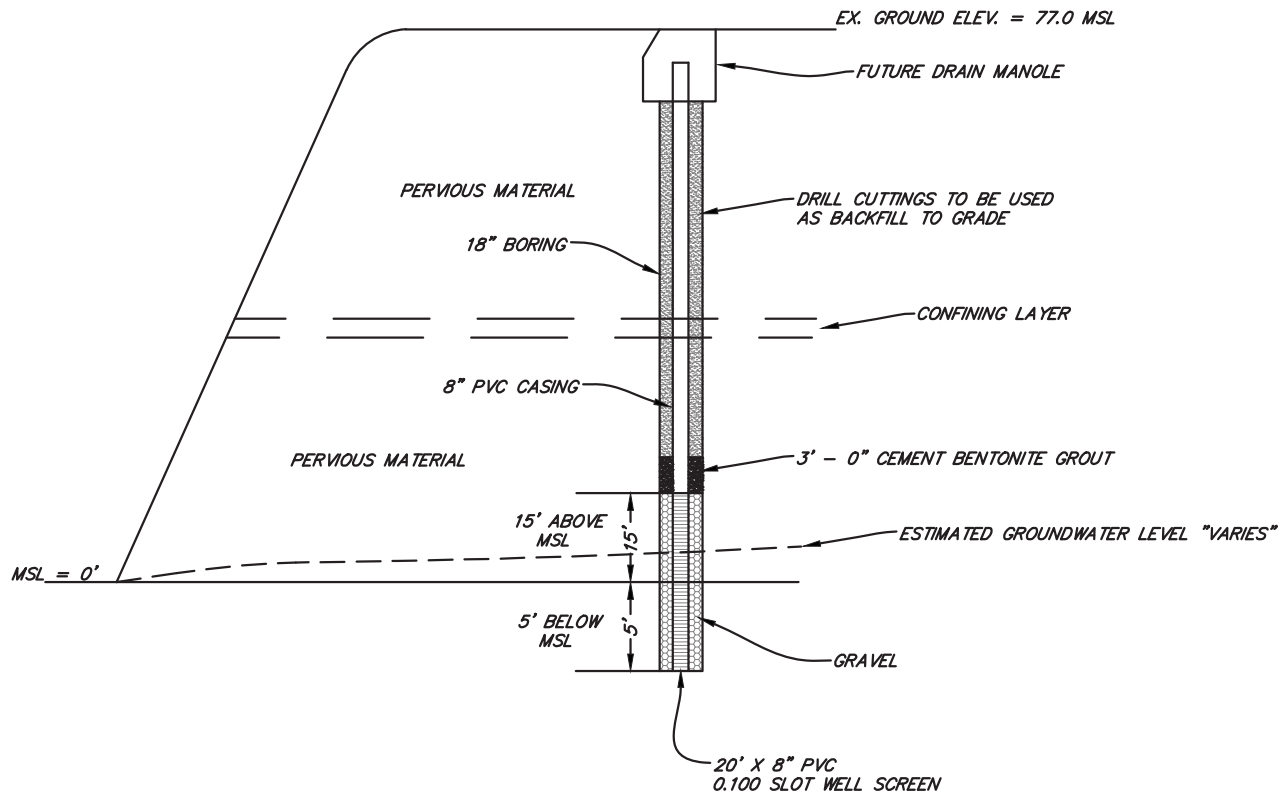
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

DATE: SEPTEMBER 14, 2025

NOT TO SCALE

SHEET 1 OF 4

PROPOSED WICK WELL #1  
LOCATED AT THE INTERSECTION OF  
MANOMET AVENUE & BREWSTER AVENUE



**PROPOSED WICK WELL #1  
LOCATION PLAN**

**TOWN OF PLYMOUTH**

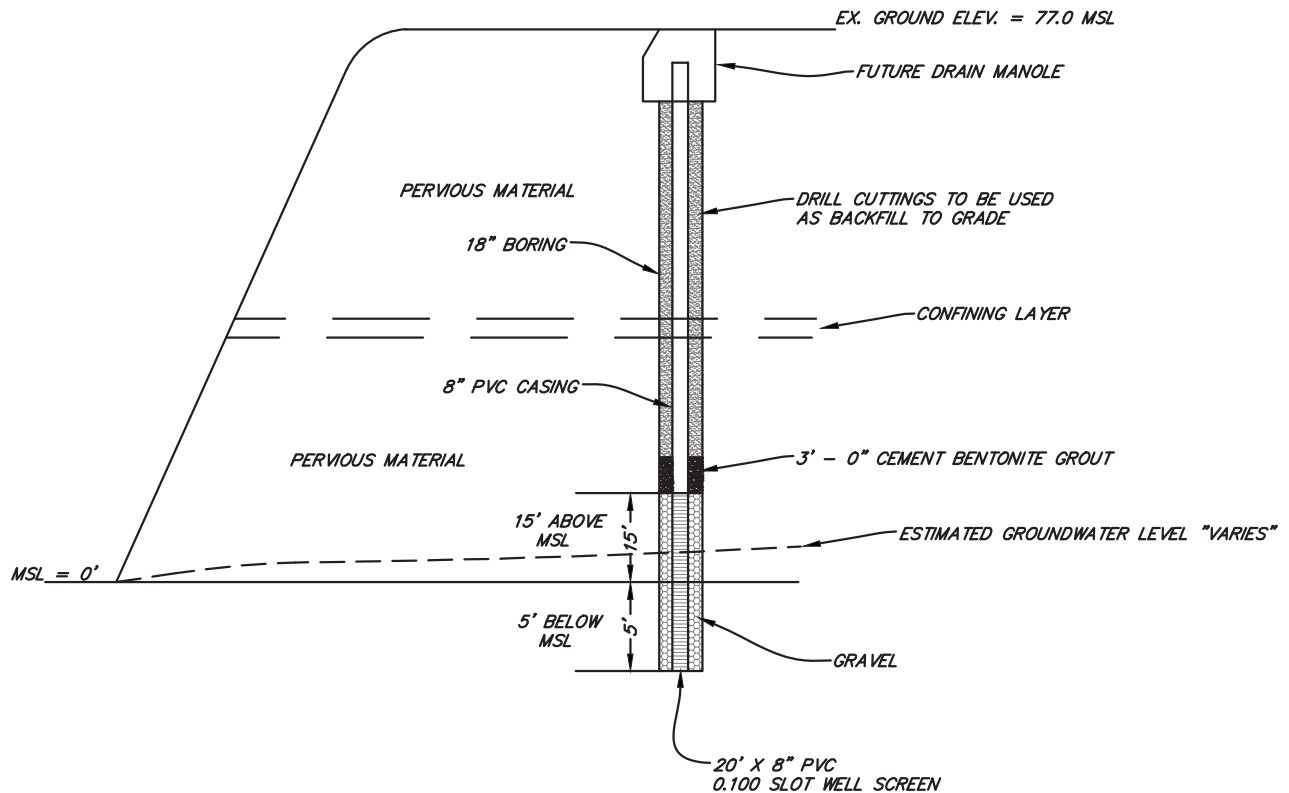
**DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION**

**DATE: SEPTEMBER 14, 2025**

**NOT TO SCALE**

**SHEET 2 OF 4**

*PROPOSED WICK WELL #2  
LOCATED AT THE INTERSECTION OF  
MANOMET AVENUE & BRADFORD AVENUE*



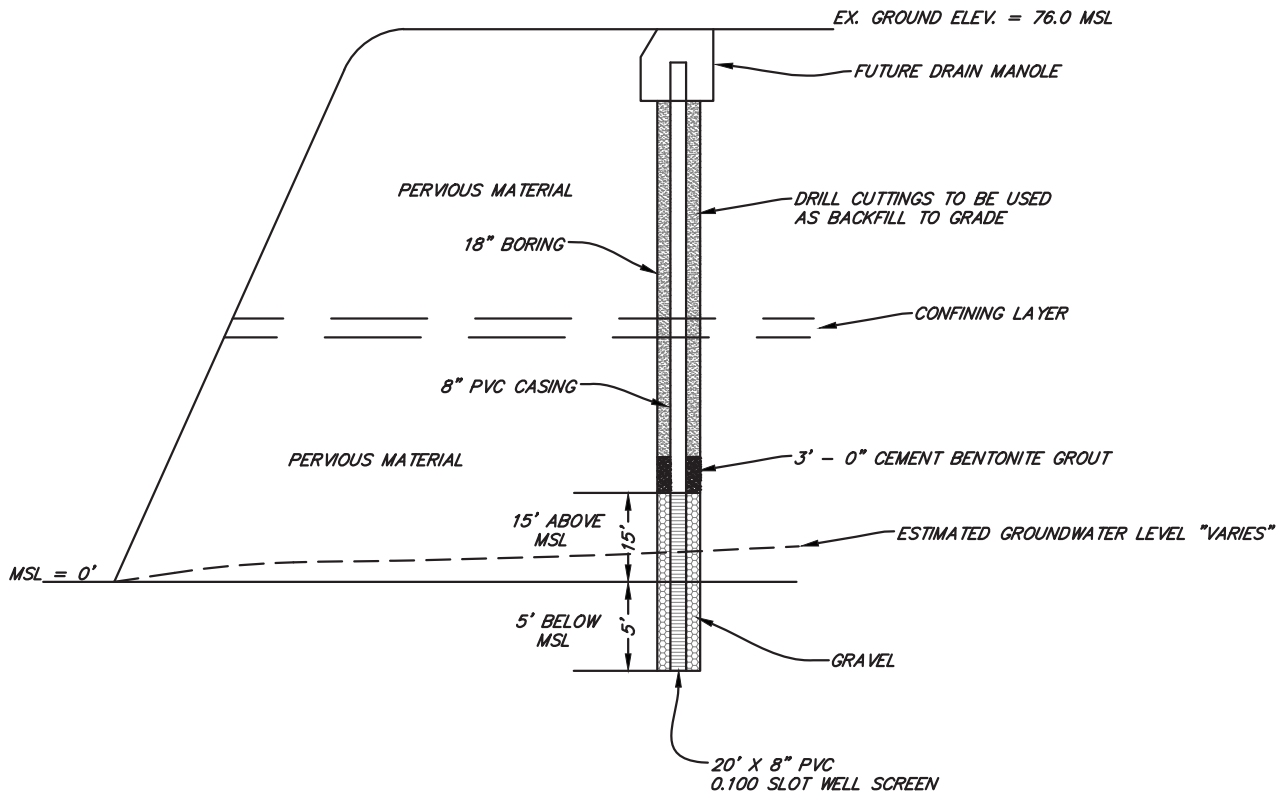
**PROPOSED WICK WELL #2  
LOCATION PLAN**

**TOWN OF PLYMOUTH**

**DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION  
DATE: SEPTEMBER 14, 2025  
NOT TO SCALE**

**SHEET 3 OF 4**

PROPOSED WICK WELL #3  
LOCATED AT #91 MANOMET AVENUE



**PROPOSED WICK WELL #3  
LOCATION PLAN**

**TOWN OF PLYMOUTH**

**DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION**

**DATE: SEPTEMBER 14, 2025**

**NOT TO SCALE**

**SHEET 4 OF 4**

COST ESTIMATE WICK WELL INSTALLATION AND ASSOCIATED WORK									
3 - WICK WELLS - DRAINAGE STRUCTURES ON MANOMET AVE									
ITEM #	DESCRIPTION	EST. QUANTITY	UNIT	UNIT COST	COST	POLICE DETAIL (20%)	(15%) CONTINGENCY	TOTAL EST. COST	
1	DOUBLE CATCH BASIN 5' DIA.	6	EACH	\$5,300.00	\$31,800.00				
2	CATCH BASIN 4' DIA.	4	EACH	\$5,000.00	\$20,000.00				
3	4' DIA DRAIN MANHOLE W/ SUMP	4	EACH	\$4,800.00	\$19,200.00				
4	12" HDPE PIPE	300	L.F.	\$60.00	\$18,000.00				
5	6' DIA DRAIN MANHOLE	3	EACH	\$10,000.00	\$30,000.00				
6	RECLAIMED ASPHALT BASE - DRAINAGE INSTALL	300	TON	\$30.00	\$9,000.00				
7	ASPHALT FOR TRENCH PATCHES	120	TON	\$245.00	\$29,400.00				
8	CRUSHED STONE - PIPE BEDDING	75	TON	\$35.00	\$2,625.00				
9	SAWCUTTING	200	L.F.	\$5.00	\$1,000.00				
10	12" SILT SOCK	200	L.F.	\$10.00	\$2,000.00				
11	SILT SACK	10	EACH	\$75.00	\$750.00				
12	LOAM	60	CY	\$50.00	\$3,000.00				
13	CLEAN FILL	150	CY	\$25.00	\$3,750.00				
14	UNCLASSIFIED EXCAVATION	150	C.Y.	\$21.00	\$3,150.00				
15	HYDRO SEEDING	500	S.Y.	\$6.00	\$3,000.00				
16	WATER GATE ADJUST	3	EACH	\$200.00	\$600.00				
17	WELL CAPS	3	EACH	\$1,200.00	\$3,600.00				
18	WELL CLEANING	1	LS	\$28,000.00	\$28,000.00				
19	TEST BORINGS	1	LS	\$25,000.00	\$25,000.00				
20	WICK WELLS	3	EACH	\$65,000.00	\$195,000.00				
					Total				
					\$428,875.00	\$85,775.00	\$77,197.50	\$591,847.50	

TOTAL ESTIMATE: \$ 595,000.00



## WELL SERVICING INVOICE



LBR GEOTHERMAL SERVICES LLC  
d/b/a DRAGIN Geothermal Services  
134 NH Route 25, Meredith, NH 03253  
Phone 603/279-5080, Fax 603/279-0436



CLIENT:	Town Of Plymouth DPW <a href="mailto:SKashi@townhall.plymouth.ma.us">SKashi@townhall.plymouth.ma.us</a>	INVOICE NO.:	18MTP0818
BILLING ADDRESS:	Sid Kashi Town Offices, 11 Lincoln St Plymouth, MA 02360	P.O. NO.:	
PHONE/FAX NOS.:	508/830-4082	DATE OF INVOICE:	8/18/2018
WELL LOCATION:	Wick Drain Cleaning, Plymouth	DATE OF WORK:	8/13-17/18

	Total Units	Price Per Unit	Total Price
WICK WELL INSTALLATION			
Furnish and Install Three (3) Wick Drains on Manomet Avenue Per Bid 1 21817 Specifications	1 lump sum	\$119,000.00	\$119,000.00

INVOICE TOTAL	119,000.00
LESS DEPOSIT	\$0.00
TOTAL DUE	\$119,000.00

### NOTES

Three wells were installed to 95 feet in accordance with specifications.

### TERMS

*Payment terms are Net Due Upon Receipt.*

**Thank you. We appreciate your business!**

April 21, 2025

Richard Bosse, P.E.  
Plymouth DPW  
Engineering Division  
26 Court Street, Town Hall  
Plymouth, MA 02360

**Re: Manomet Ave Test Boring Drilling**

Attn: Mr. Bosse

Below is our quote to provide field services required for the drilling and sampling of three test borings for the Manomet Ave project.

**Scope of Services**

- Mobilization of Test Boring Rig.
- Drill and sample three 100-foot test borings with split-spoon soil samples collected at 5-ft intervals starting at 30 feet.
- Cuttings will be stockpiled onsite for removal by others.
- Prepare and provide borehole logs.

- Pricing is based on work being performed under Prevailing Wage Rates Report No. 20230518-002

**Fee**

<u>DESCRIPTION</u>	<u>ESTIMATE</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
Mobilization	1	/lump sum	\$1,250.00	\$1,250.00
Test Boring Drilling & Sampling	4	/day	\$4,350.00	\$17,400.00
Project Management/Oversight	36	/hour	\$145.00	\$5,220.00
Per Diem	4	/day	\$250.00	\$1,000.00
<b>Estimated Total</b>				<b>\$24,870.00</b>

**Terms**

- Due to the use of heavy equipment, the W&S field crew will consist of two (2) men for all on-site activities.
- No additional out-of-scope work will be completed without prior written approval from Town of Plymouth
- Pricing is valid for 45-days and excludes payment of taxes. Payment terms are net 30-days.
- Pricing is based on Prevailing Wage Rates as provided in report no. 20230518-002.
- Field work will be scheduled only upon return of a signed copy of both this proposal and the attached Terms & Conditions.
- If this work is tax exempt, please provide a Tax Exempt Certificate along with the signed proposal for our records.

We trust that you will find this quote complete, however, if you have any questions or require additional information please contact me at 603/279-5080 or via email at [quagliaroli.carrie@wseinc.com](mailto:quagliaroli.carrie@wseinc.com).

Thank you for the opportunity to provide this quotation.

**Weston & Sampson CMR, Inc.**

Scope, Pricing and Terms & Conditions Accepted by:

Carrie Quagliaroli  
Assistant General Manager

signature

printed name

Date: \_\_\_\_\_

P.O. #: \_\_\_\_\_

Total Amount Approved: \$ \_\_\_\_\_

Tax ID No: 20-5684540

# INVOICE

PLEASE MAKE CHECKS PAYABLE TO:

Weston & Sampson CMR, Inc.



55 Walkers Brook Drive, Suite 100, Reading MA 01867  
westonandsampson.com Tel: 978.532.1900

October 4, 2024

Project No: CMR24-0640

Invoice No: 674015

RICHARD BOSSE  
CIVIL ENGINEER  
PLYMOUTH MA, TOWN OF  
26 Court Street  
Plymouth, MA 02360

Project CMR24-0640 PLYMOUTH, MA - WICK WELL CLEANING - DRAGIN

Professional Services through September 27, 2024

Phase	100	100 - LABORER
Task	1	ST
Fee		

Description	Contract Amount	% Work To Date	Amount Billed To Date	Previously Billed	This Inv. Billed
WICK WELL CLEANING	9,925.00	100.00	9,925.00	0.00	9,925.00
Total Fee	9,925.00		9,925.00	0.00	9,925.00
Total Fee					9,925.00
Total this Task					\$9,925.00
Total this Phase					\$9,925.00
TOTAL THIS INVOICE					\$9,925.00

Payment is due 30 days from Invoice DatePlease note we have a new address for payment remittances



**Weston & Sampson**  
55 Walkers Brook Drive, Suite 100, Reading, MA 01867  
tel: 978-532-1900  
www.westonandsampson.com

**TO:**  
**Plymouth DPW**  
**Engineering Division**  
**26 Court Street, Town Hall**  
**Plymouth, MA 02360**  
**Atten: Richard Bosse, P.E.**  
**rbosse@plymouth-ma.gov**

**Date: 10/4/24**

**W&S Job Numbers** **CMR24-0640**

**Customer PO Number** **signed proposal**  
**Weston & Sampson CMR, Inc.**

**Invoice Number** **674015**

**Job Name** **Wick Well Cleaning**

**Dates of Work** **9/11-12/24**

### INVOICE SUMMARY

**DRAGIN Geothermal**  
**Wick Well Cleaning**  
**Plymouth, MA**

<u>DESCRIPTION</u>	<u>TOTAL UNITS</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
Mobilization	1	/lump sum	\$500.00	\$500.00
Rig & Crew to Perform Well Cleaning	3	/well	\$3,000.00	\$9,000.00
Per Diem	1	/night	\$425.00	\$425.00
Replacement Parts	0	/lump sum	cost + 20%	\$0.00
<b>Invoice Total</b>				<b>\$9,925.00</b>





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY26 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Facilities</b>	<b>Priority #:</b>	<b>2- 1</b>
<b>Project Title and Description:</b> <b>Town Hall Cupola Paint</b>	<b>Total Project Cost:</b>	<b>\$33,000.00</b>

**Department/Division Head:** K. J. Anderson

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):** N/A

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY27		
<i>Labor and Materials</i>	\$28,860.00	Estimate provided by Rehome Solutions	FY28		
<i>Administration</i>			FY29		
<i>Land Acquisition</i>			FY30		
<i>Equipment</i>			FY31		
<i>Other</i>					
<i>Contingency</i>	\$4,140.00	13.00%			
<b>Total Capital</b>	<b>\$33,000.00</b>				

**Project Justification and Objective:** TH Cupola is in need of paint to prevent corrosion and water permeation.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒  
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 15years

**Attach backup information, estimates, or justification to support this request.**



# TOWN OF PLYMOUTH

Department of Public Works  
159 Camelot Drive  
Plymouth, Massachusetts 02360  
508-830-4162

## MEMORANDUM

Date: 17 Sep 2025

To: L. A. Barrett  
Finance Director

From: K. J. Anderson  
DPW Facilities Manager

Thru: W. A. Coyle  
DPW Director

Subject: TOWN HALL CUPOLA PAINT CAPITAL REQUEST

- 
1. The cupola above the 1820 Courthouse at 26 Court St is in need of paint and repair. Exterior preservation and maintenance will enhance the appearance of the building and increase the overall life expectancy.
  2. A condition assessment of the cupola determined that it is deteriorating due to age, exposure, and paint failure.
  3. Facilities Division (422) is requesting funding in the amount of \$33,000.00 in support of paint replacement at the 1820 Courthouse cupola.
  4. Thank you for your consideration.

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# REHOME SOLUTIONS

508-958-2281

[carlyneinvestments@gmail.com](mailto:carlyneinvestments@gmail.com)

## INVOICE

Date: 10/27/2025

**Address:** Town of Plymouth, MA  
**Project Title:** Prep and paint the cupola at town hall building.  
**Invoice Number:** 107  
**Terms:** 30 Days

Description	Quantity	Unit Price	Cost
Prep, scrape, seal, and paint the cupola at Town Hall			\$28,860.00
Mechanical lift, safety barriers, labor and materials are included in the bid			
*Any additional work or change order is an additional charge.			
Dumpster/Debris Removal			
Total			\$28,860.00

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# REHOME SOLUTIONS

508-958-2281

carlyneinvestments@gmail.com

## INVOICE

Date: 10/27/2025

### Liability Release and Agreement

By signing below, I, \_\_\_\_\_, acknowledge and agree that I will not hold ReHome Solutions, Julio Barbosa, or any officers, employees, agents, or representatives of ReHome Solutions liable or responsible for any damages, loss, or missing items that may occur during or after the clean-out process.

I further release ReHome Solutions and its employees from any and all liabilities, including but not limiting to injuries to any individuals not employed by ReHome Solutions, as well as any items removed or disposed of during the course of the clean-out or related work.

The scope of work will be fully explained prior to commencement and mutually agreed upon by both ReHome Solutions and the undersigned. All work will be performed in accordance with the agreed-upon terms and scope of the contract.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_





# ESTIMATE

October 14, 2025  
ESTIMATE#5344

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**BILLED TO:**  
**PLYMOUTH TOWN HALL**  
**26 COURT ST**  
**PLYMOUTH, MA 02360**

**Total**

**EXTERIOR**

SANDING  
PRIMING  
CAULKING  
2X PAINT COAT

**\$23,000.00**

**125' ARTICULATING BOOM**

**\$4,000.00**

**90' TRACK DRIVE**

**\$4,500.00**

**LABOR AND MATERIALS INCLUDED AND GUARANTEED**

**Thank you!**

**IF YOU NEED TO DISCUSS THIS ESTIMATE  
OR HAVE ANY QUESTIONS DON'T  
HESITATE TO REACH OUT TO US!**

**MILLERS PAINTING AND  
GENERAL SERVICES**

**+1(781)588-6504**

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# Estimate

2509-0814-9520

2025-09-11

JAG PAINTING CONTRACTORS INC.  
51 Chancery St  
New Bedford Massachusetts 02740  
mike@go-jag.com  
(774) 424-0010

Town Of Plymouth Operations Manager - Gary  
Goulski  
159 Camelot Dr.  
Plymouth MA 02360  
ggoulski@plymouth-ma.gov  
(781) 771-8447

Town Hall Painting to Observation Tower  
26 Court St., Plymouth, MA, 02360

## Exterior Painting

<u>Description</u>	<u>Total</u>
<u>Boom Lift</u> 125ft Boom Lift	\$18,668.00
<u>Mobilization and Logistics</u> Police Detail as needed, Setup, Breakdown, Safety setup, and daily site mobilization and permitting	\$15,620.00
<u>Exterior Painting (Previlian Wage Rates and Certified Payroll Applied)</u> Scraping of loose paint, priming with Peel Bond primer, and repainting with Emerald Rain refresh the color to match	\$32,000.00
<u>PeelRx Bond Primer</u> PrimeRx® Peel Bonding Primer saves time and effort from sanding and scraping old paint and helps even out those less-than-perfect surfaces before you paint giving you a smoother completed finish. You won't be disappointed with this dependable bonding formula that achieves great results. Whether it's plywood,	\$524.93

drywall or wood, PrimeRx® Peel Bonding Primer helps achieve a beautiful finish while saving you time.

<u><b>Emerald Rain Refresh Exterior Acrylic Latex Paint</b></u>	<b>\$800.94</b>
Emerald Rain Refresh Exterior is an ultra-durable exterior coating with Self-Cleaning Technology™. Rain Refresh is formulated so dirt washes away upon contact with rain or water for a clean, fresh look with minimal maintenance. This new coating offers excellent UV and weather protection and can be tinted in VinylSafe® paint colors.	

<u><b>Sundries -Roller Covers, Tape, Plastic, Cleaner, Sandpaper, Etc.</b></u>	<b>\$1,950.00</b>
Sundries - Roller Covers, Tape, Plastic, Cleaner, Sandpaper, Etc.	

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**\$69,563.87**

<i>Subtotal</i>	<b>\$69,563.87</b>
<i>Tax</i>	<b>\$0.00</b>
<i>Total</i>	<b>\$69,563.87</b>

• **PAINTING TERMS AND CONDITIONS**

J.A.G. Painting Inc. shall be solely responsible for providing all necessary and appropriate equipment and materials required to perform the painting services. In the situation where client is supplying materials they are responsible pick up, delivery prior to work starting. if additional materials are needed the client is responsible for the cost of the work stoppage , including but not limited to, all paint brushes, paint rollers and accessories, drop sheets or cloths for the protection of flooring and carpets, painters tape, caulking guns, pails, scrapers, drywall repair tools, wire brushes and cleaning supplies. All paint shall be supplied by J.A.G. Painting Inc. in a color to be chosen by Owner. If paint is supplied by Owner, Contractor shall have no liability for the performance of any such paint. Should Project need more Paint/Supply Customer will receive added receipts for such said supply and will be responsible for such said Paint/Supply. If paint or Product estimated is exceeded customer will be notified and will be responsible for such said costs.

J.A.G. Painting Inc. shall perform the painting services in a professional and workmanlike manner at all times and shall complete all painting services by the required deadline and within the required work schedule. Notwithstanding the foregoing, if J.A.G. Painting Inc. is delayed at any time in the commencement or progress of its work by an act or neglect of Owner or by changes ordered by Owner, or by labor disputes, fire, unusual delays in deliveries, unavoidable casualties or other causes beyond the J.A.G. Painting Inc.'s control (including but not limited to acts of God, total or substantial destruction of the premises through no fault of J.A.G. Painting Inc. , acts of war, actual or threatened acts of terrorism, insurrection or hostilities, acts of a public enemy, epidemics or quarantines or other causes similar to those enumerated) or by delay authorized by Owner's pending mediation or arbitration or by other causes which the Contractor determines may justify delay, then the completion date shall be extended by change order for such reasonable time as Contractor may determine. J.A.G. Painting Inc. shall perform all of the necessary work in respect of the cleanup and disposal of all paint and paint related debris from the premises upon completion of the painting services. J.A.G. Painting Inc. Shall follow industry practice in the disposal of all such paint and paint related debris and shall undertake reasonable safety precautions to ensure no hazardous materials are improperly disposed of. Any and all surplus paint shall be [Instruction: choose one of the following and strike Inapplicable (retained by the Contractor/returned to the Owner] of the premises. J.A.G. Painting Inc. shall be solely responsible for the payment of any and



all wages and salaries that may be due or become due and owing to any of J.A.G. Painting Inc. employees for painting services performed by such employees at the premises. J.A.G. Painting Inc. shall also be solely responsible for the collection and remittance of any mandatory deductions from the wages and salary of an employee of J.A.G. Painting Inc.. At no time shall any employee of J.A.G. Painting Inc. be considered an employee of Owner. J.A.G. Painting Inc. does not warranty any horizontal surfaces including but not limited to deck floors, stairs, porch floors, railings, windowsills.

J.A.G. Painting Inc. shall ensure upon the completion of the painting services that all hardware, fixtures and other accessories are free and clear of any paint and shall remove any paint that may be present on any and all hardware, fixture and other accessories contained in the premises. Upon completion of the painting services by J.A.G. Painting Inc., the Owner and J.A.G. Painting Inc. shall conduct a complete inspection of the premises. During the inspection of the premises, the Owner and the Contractor shall agree on any matters which the Contractor elects to repair, modify or replace. Any such agreement between J.A.G. Painting Inc. and the Owner shall be in writing and executed by each of J.A.G. Painting Inc. and the Owner. Any and all matters which are not expressly set forth in such written agreement shall be conclusively deemed acceptable to the Owner and J.A.G. Painting Inc. and J.A.G. Painting Inc. shall have no further obligations or liability in respect to such matters.

### **Limited 1 Year Workmanship Exterior Interior Commercial & Residential Warranty**

For warranty service call: 774-424-0010 or email: [Info@go-jag.com](mailto:Info@go-jag.com) This warranty gives you specific legal rights. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the below limitation may not apply to you. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the below limitations or exclusions may not apply to you. Subject to the limitations set forth below, for a period of from the date of completion of the work described on your contract, from here on referred to as "the Contractor" will repair peeling, blistering or chipping paint resulting from defective workmanship. For this warranty to be valid, you must:

- Have Paid the full contract or estimate price.
- Retain a copy of the original contract.
- Retain a copy of your canceled check or other evidence of payment in full.
- Pay for all materials used to perform the repairs.
- Make the property accessible to the Contractor, or his employees or subcontractors, to perform the repairs.

This limited warranty does not cover:

- Any work where the Contractor did not supply the paint or other materials.
- Any work which was not performed by the Contractor.
- Varnished surfaces.
- Surfaces made of, or containing, galvanized metal.
- The cost of paint required to perform the repairs.
- Repairs to horizontal surfaces or any surface that, by virtue of its design permits moisture to collect.
- Surfaces include, but are not limited to, decks, railings, stairs, porches, roofs, and wood gutters.
- Exact paint match as environmental conditions will affect the color and finish of all paints over time. (Repair to damaged substrate only)
- Any repairs which are necessitated as a result of a defect in the paint regardless of whether the paint was supplied by the Contractor or the customer.
- Bleeding caused by knots, rust or cedar.

-PAGE 2-

- Cracks in drywall, plaster or wood.
- Solid stain or paint on white cedar shingle is not covered under warranty.
- Peeling, blistering or chipping where they are caused by: mill-glazing from smooth cedar, ordinary wear and tear, abnormal use or misuse, peeling of layers of paint existing prior to the work performed by the Contractor, structural defects, settling or movement, moisture content of the substrate, Abrasion, mechanical damage, abrasive cleaning, abuse, or damage resulting from use of chemicals or cleaning agents or exposure to harmful solids, liquids or gases.



damage or defects caused in whole or in part by reason of fire, explosion, flood, acts of God, extreme weather conditions, misuse, alterations, abuse, vandalism, negligence, or any other similar causes beyond the control of the Contractor. • Surface contaminants such as mildew, moss, chalking, algae, cracks caused by stress.

THIS LIMITED WARRANTY IS THE ONLY EXPRESS WARRANTY MADE BY JAG PAINTING AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY COVERS ONLY THOSE SERVICES PROVIDED BY THE CONTRACTOR TO THE ORIGINAL PURCHASER NAMED ON THE FRONT OF THIS CONTRACT. IN NO EVENT SHALL THE CONTRACTOR BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR DAMAGES IN EXCESS OF THE ORIGINAL CONTRACT PRICE. THIS WARRANTY MAY NOT BE ALTERED OR EXTENDED FOR ANY PURPOSE UNLESS DONE SO IN WRITING IN A DOCUMENT EXECUTED BY ALL PARTIES TO THIS CONTRACT.

**\*\*\*Resinous Flooring Warranty\*\*\***

Resinous Flooring JAG Painting, Inc. agrees to repair any defects in the floor coating system for a period of 1 year (from the effective date of installation) caused by improper substrate preparation and workmanship in the installation. JAG Painting, Inc. shall not be responsible for defects caused by accidents, acts of God, inadequate or faulty structural design; structural defects, building alterations, cracks or ruptures in the structural base.

Customer agrees to notify JAG Painting, Inc. of the need for any repairs covered by this warranty promptly upon discovery of it. JAG Painting, Inc. shall commence such repairs within a reasonable period of time provided the customer has removed at customer's cost all obstructions and equipment installed which would hinder or interfere with repairs being made. JAG Painting, Inc.' responsibility and obligation to repair any defects in the job shall become enforceable only if the customer has made full payment for the job. JAG Painting, Inc. does not warranty floor-coating systems from damage/DE-lamination due to the following circumstances:

- Hydro static pressure caused by moisture migrating to the surface of the concrete slab.
- Sub-surface contamination by oil or other contaminants that may migrate to the top of the concrete slab.
- Surface contaminants getting under the coating due to unrepaired chipped coating damage.
- Deficient concrete, which may separate from the concrete slab.
- Damage caused by deficiencies in the facility such as roof or wall leaks or faulty plumbing.

JAG Painting, Inc. ' responsibility and obligation for repair shall become null and void if anyone not expressly authorized by JAG Painting, Inc. performs any of the covered repairs during the period of this warranty.

I have read and agree to the above Terms and Conditions.

If you agree to the terms and conditions, a a deposit of 1/3 is required. The 2nd 1/3 is due when the job begins, and final payment is due immediately upon walk through and completion of the work. . Non Final Payments of said contract will result in Legal action against contractee upon legal action all legal fees, said late fees and interest accrued as it pertains to said contract will be the total responsibility of said contractee.

All projects require payment upon completion of work A processing charge for credit cards of 5% will be added to the invoice automatically. Checks sent via mail or late checks after 2 day grace period will be charged an additional \$100 plus late fee after 30 days.(unless otherwise noted) Please sign and acknowledge that you have agreed to our payment terms.

We also offer financing. Please call our office for more information.

Michael Branco Owner, JAG Painting

I acknowledge that I have read and understand the estimate and warranty of this contract Print  
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Signature : \_\_\_\_\_ Date:  
\_\_\_\_\_









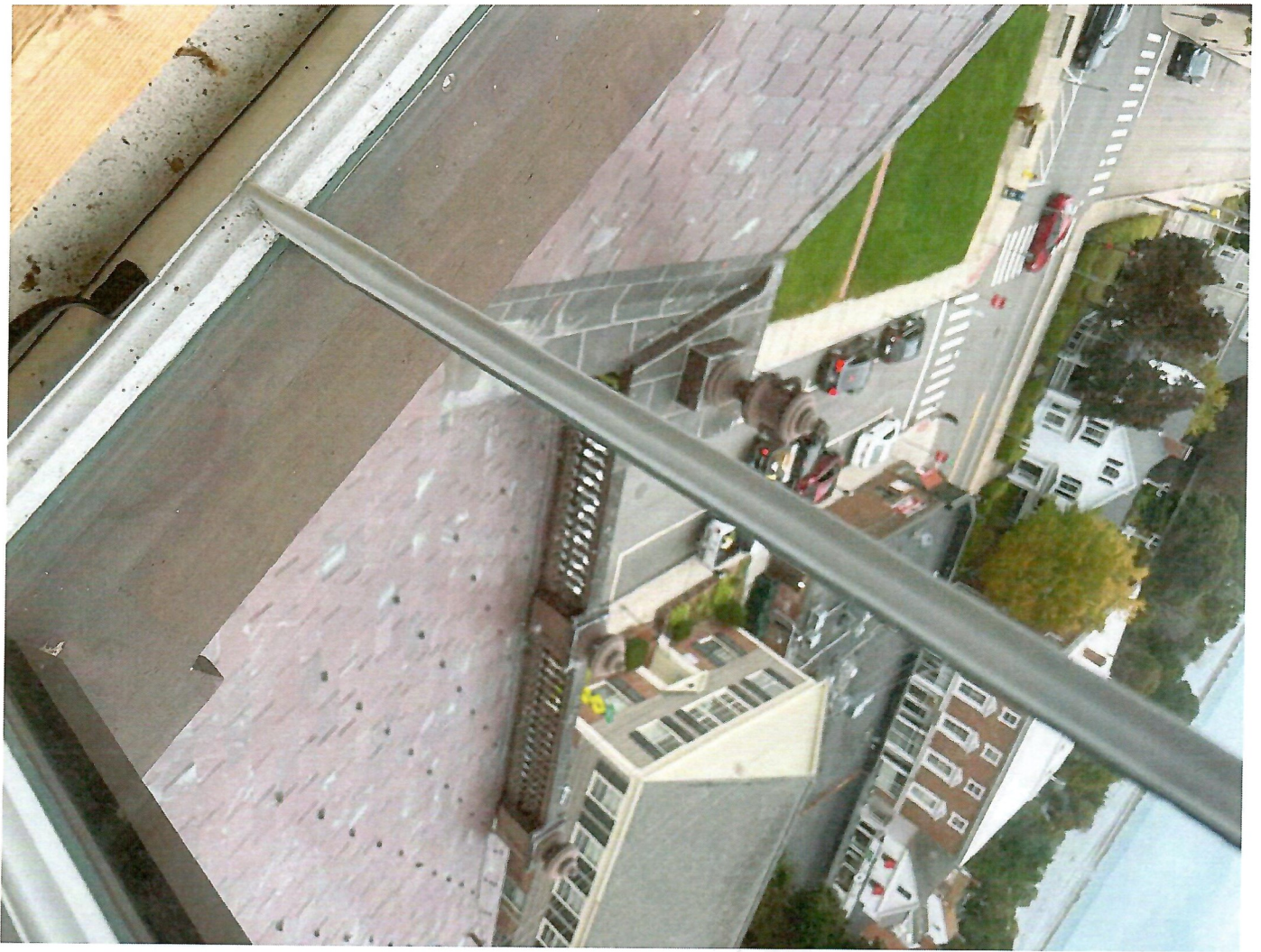




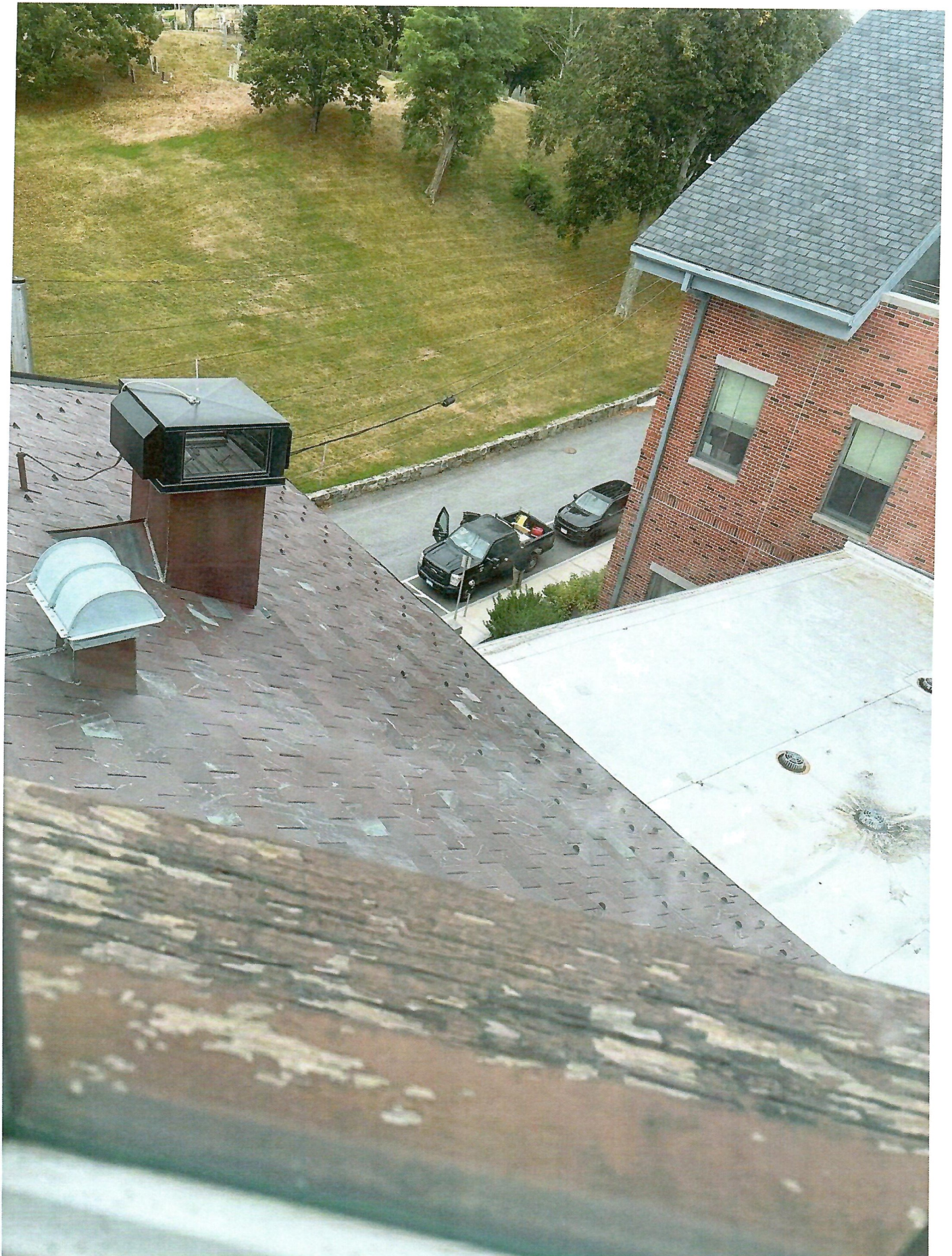




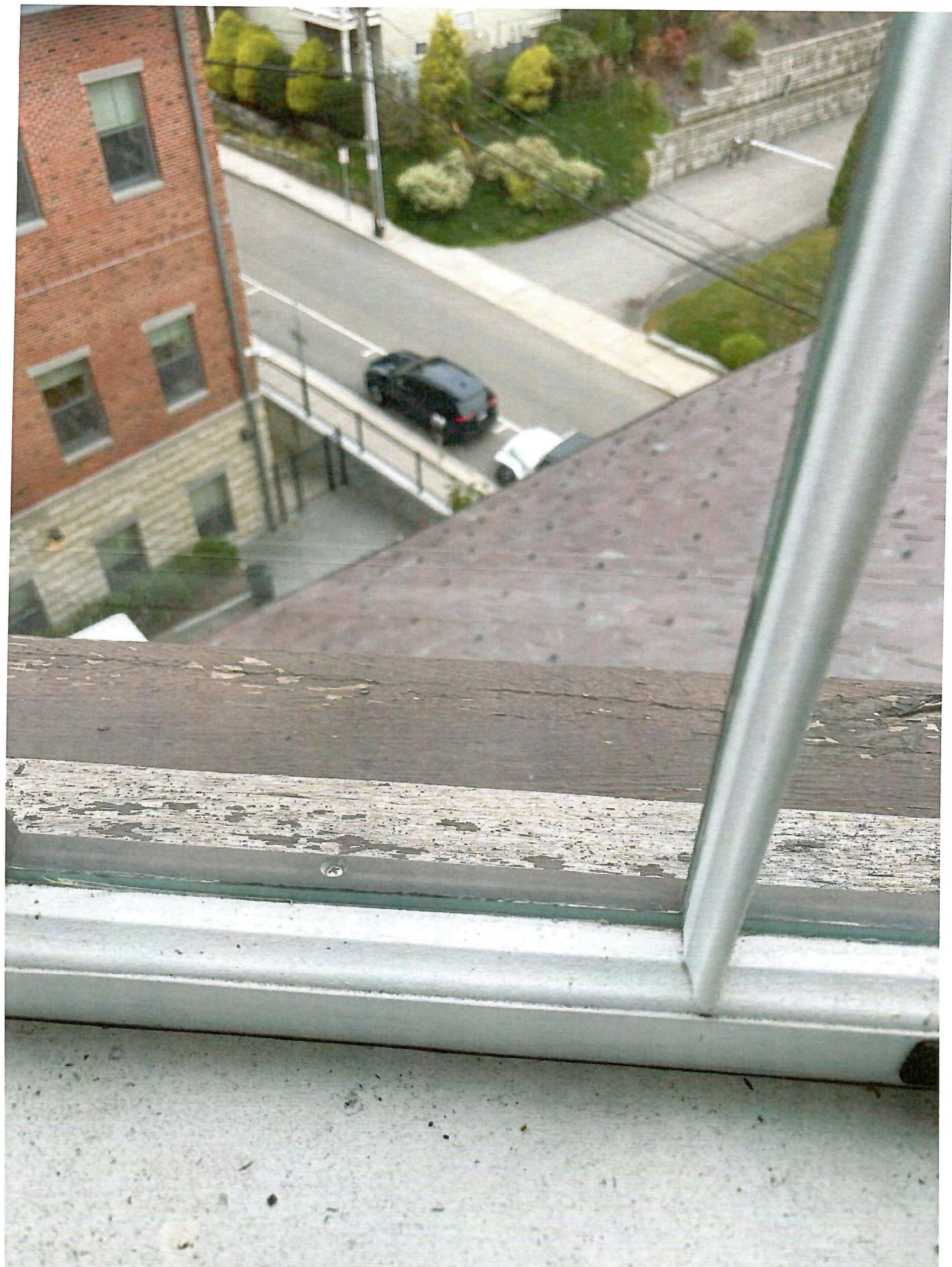


























**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>DPW - Fleet</b>	Priority #:	<b>1</b>
Project Title and Description: <b>Chevrolet Blazer - EV</b>	Total Project Cost:	<b>\$49,385</b>

Department/Division Head: DPW - Fleet

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$42,943		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$6,442				
<b>Total Capital</b>	<b>\$49,384</b>				

**Project Justification and Objective:** \_\_\_\_\_

Replace an existing 2016 Ford Explorer with 144,000. Given the mileage this vehicle should be scheduled for replacement. This vehicle will be replaced with a fuel efficient vehicle.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐    No ☐

Can this project be phased over more than one fiscal year?

Yes ☐    No ☐

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2016 Ford Explorer, VIN 1FM5K8D88GGD15933

What is the expected lifespan of this new/replacement equipment: 10-12 years

Attach backup information, estimates, or justification to support this request.

## Plymouth DPW

**Prepared For:** Rick Ragazzani

508-789-8071

rragazzini@plymouth-ma.gov

Vehicle: [Fleet] 2026 Chevrolet Blazer EV (1MC26) AWD 4dr LT





# Quote

Company/Dept:	Plymouth Department of Public works	Date:	September 16, 2025
Contact:	Rick Ragazzini	Quote #:	1
Street Address:	159 Camelot Drive	Revision #:	
City, State, Zip:	Plymouth, MA 02360	Customer ID:	101503
Phone:	508-789-8071	Sales Rep:	Robert. P
E-Mail:	<a href="mailto:rragazzini@plymouth-ma.gov">rragazzini@plymouth-ma.gov</a>	Contract:	PCC
Job Description:	<a href="#">2026 Chevrolet Blazer EV</a>		
MHQ Contact:	Bob Pemberton Email: <a href="mailto:rpemberton@mcgovernauto.com">rpemberton@mcgovernauto.com</a>	Phone:	(508) 842-0866 x2223

QTY	Item #	VEHICLE LINE DESCRIPTION	UNIT PRICE	Ext Line Total
1	1MC26	2026 Chevrolet Blazer EV AWD 4dr LT	\$38,816.00	\$38,816.00
1	4LT	LT Preferred Equipment Group	\$0.00	\$0.00
1	A2X	Seat adjuster, driver 8-way power Inc.	\$0.00	\$0.00
1	A7J	Seat adjuster, front passenger 6-way power Inc.	\$0.00	\$0.00
1	AL9	Seat adjuster, driver 2-way power lumbar Inc.	\$0.00	\$0.00
1	AR9	Seats, front bucket \$0.00	\$0.00	\$0.00
1	AT9	Seat adjuster, front passenger 2-way power lumbar Inc.	\$0.00	\$0.00
1	CTT	Hitch Guidance Inc.	\$0.00	\$0.00
1	DD8	Mirror, inside rearview auto-dimming Inc.	\$0.00	\$0.00
1	DMA	Mirrors, outside heated, power-adjustable, power-folding, driver-side auto-dimming	\$0.00	\$0.00
1	EN0	Engine, none (electric drive unit)		\$0.00
1	FE9	Emissions, Federal requirements	\$0.00	\$0.00
1	GBA	Exterior color: Black	\$0.00	\$0.00
1	H9F	Black, Evotex seat trim Inc.	\$0.00	\$0.00
1	K7A	Wireless Phone Charging Inc.	\$0.00	\$0.00
1	KAG	Seats, heated driver and front passenger cushion and seatback Inc. in comfort pack	\$0.00	\$0.00
1	KI3	Steering wheel, heated Inc. in comfort pack	\$0.00	\$0.00
1	MF1	Transmission, none (electric drive unit)	\$0.00	\$0.00
1	N53	Steering wheel, wrapped Inc.	\$0.00	\$0.00
1	PSC	Dual Level Charge Cord, dual-mode, portable	\$0.00	\$0.00
1	PZ8	Hitch View Inc.	\$0.00	\$0.00
1	QBX	Tires, 255/60R19 all-season blackwall	\$0.00	\$0.00
1	RT9	Wheels, 19" (48.3 cm) machined-face aluminum	\$0.00	\$0.00
1	TCP	AutoSense Power Liftgate, programmable, hands free Inc.	\$0.00	\$0.00
1	V6K	Roof rails, satin aluminum finish Inc.	\$0.00	\$0.00
1	V92	Trailer provisions, wiring Inc.	\$0.00	\$0.00
1	VK3	License plate front mounting package	\$0.00	\$0.00
1	VQK	LPO, Front and rear molded splash guards	\$295.00	\$286.15
1	ZFT	Comfort and Convenience Package	\$2,495.00	\$2,420.15
Vehicle Total:				\$41,522.30
QTY	Item #	Equipment Description	UNIT PRICE	Ext Line Total
2	IONA	ION LIGHT AMBER (Front Grill)	\$250.00	\$500.00
2	TLIA	ION T-SERIES LINEAR LT AMBER (Rear)	\$250.00	\$500.00
1	4418431	WeatherTech Floor Liners	\$150.00	\$150.00
1	94842	AVS Vent Visors	\$130.00	\$130.00



Contract Equipment Total:				\$1,280.00
QTY	Item #	NON-CONTRACT EQUIPMENT LINE DESCRIPTION	UNIT PRICE	Ext Line Total
1	DELIVERY	DELIVER TO DEPARTMENT	\$140.00	\$140.00
Non-Contract Equipment Total:				\$140.00
Vehicle and Equipment Total:				\$42,942.30
Vehicle Quantity:				1
Sub total:				\$42,942.30
Trade Description		Trade VIN	Trade Miles	Trade Value
Trade Vehicle/s Total:				\$0.00
Quote Grand Total:				\$42,942.30
<p align="center"><b>TERMS AND CONDITIONS</b></p> <p align="center"><i>Custom or Special Orders are Non-Refundable</i></p> <p align="center"><i>This Quote is for Budgetary Purposes and is Not a Guarantee of Cost for Services</i></p> <p align="center"><i>Quote is Based on Current Information From Client About the Project Requirments</i></p> <p align="center"><i>Actual Cost May Change Once Project Elements are Finalized</i></p> <p align="center"><i>Trade value is subject to change based on time, mileage and condition of vehice at turn-in</i></p>				

#### ORDER ACKNOWLEDGEMENT

By signing this document you are agreeing to the above terms and conditions of this order from McGovern MHQ, Inc.

x

PRINT NAME

x

TITLE

x

SIGNATURE







**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> DPW - Fleet	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Ford F150 Lightning	<b>Total Project Cost:</b>	\$68,184

**Department/Division Head:** DPW - Fleet

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$59,290		FY32		
<i>Other</i>					
<i>Contingency</i>	\$8,894				
<b>Total Capital</b>	<b>\$68,184</b>				

**Project Justification and Objective:** \_\_\_\_\_

Replace an existing Ford F150 which is 12 years old and beginning to rust. This vehicle is used by Inspectional Services.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐ No ☐

Can this project be phased over more than one fiscal year?

Yes ☐ No ☐

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2014 Ford F150, VIN 1FTFX1ET1EFB33045

**What is the expected lifespan of this new/replacement equipment:** 10-15 years

Attach backup information, estimates, or justification to support this request.



# MOTOR VEHICLE PURCHASE CONTRACT

Colonial Ford of Plymouth, MA  
11 Pilgrim Hill Road  
Plymouth, MA 02360  
(508) 746-3400  
http://colonialford.com

FOR CONSUMER  
USE ONLY

DATE 09/15/2025		ORDER No.		STOCK NO.		SALESPERSON George Andruk		DMS EMPLOYEE # 974	
PURCHASER'S NAME(S) Town Of Plymouth				EMAIL rrgazzini@plymouth-ma.gov		STREET ADDRESS 159 CAMELOT STREET			
CITY/STATE/ZIP PLYMOUTH MA 02360				CELL PHONE		HOME PHONE		BUSINESS PHONE (508) 789-8071	
ENTER MY ORDER FOR 1 NEW (QUANTITY) USED		FORMER USE (If applicable)		DEMONSTRATOR FORMER LEASED CAR		POLICE CAR FORMER DAILY RENTAL		REBUILT INSURANCE TOTAL TAXI CAB	
Year 2025	Make FORD	Model F150	Body Style/Type LIGHTNING	Model No. PRO	Transmission Standard Automatic	(Speeds)	Cyl 5	Pass 5	Doors 4
Vehicle Identification No. TBD		Color 1st WHITE		Interior 1st DARK SLATE		Top		Approx. Delivery Date	
TRADE-IN Year Make		Model Type Color		WARRANTY INFORMATION This vehicle carries an express warranty. You may obtain a copy of such warranty from the dealer upon request at time of order and will receive the warranty at time of delivery.					
V.I.N.		Odometer (mi km)		REGISTRATION FEE/TITLE FEE SALES TAX					
Transmission Standard (Speeds) Auto		No of Cyl Pass. Doors		Application for Title					
Salvage Title Yes No		PREVIOUS OWNER		Application for Reg New Transfer					
City/State/Zip		LIENHOLDER		Registration No.					
Address		City/State/Zip		Registration Fee					
Acct. No. Check No.		Balance Due		Title Fee					
Additional Information - Vehicle Purchased		LIENHOLDER		Mass. Sales Tax					
Address		City/State/Zip		Sales Tax amount is included in right hand column only when dealership check is issued in payment of Mass. Sales Tax.					
INSURANCE CO.		Agent/Branch							
Address/City									
<p>In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of _____ may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me.</p> <p>Purchaser's Initials [ ]</p>									
<p>ALL REBATES AND SALES INCENTIVES OFFERED BY THE MANUFACTURER OR DISTRIBUTOR ARE HEREBY ASSIGNED TO THE DEALER</p> <p>Purchaser's Initials [ ]</p>									
<p>This contract is not binding upon either dealer or purchaser until the following conditions are met:</p> <p>(1) The contract is signed by dealer or his/her authorized representative;</p> <p>(2) Other: _____</p> <p>(3) Other: _____</p>									
<p>PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL S/HE RECEIVES A COPY OF THIS CONTRACT SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.</p>									
<p>The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into.</p>				<p>Purchaser Signature _____</p> <p>Co-Purchaser Signature _____</p> <p>Approved Authorized Dealer Representative _____</p>					
				<p>Dealer Installed Accessories</p>					
				<p>1. Total Price \$58,795.00</p>					
				<p>2. Discount</p>					
				<p>3. Trade-In Allowance</p>					
				<p>4. Rebate</p>					
				<p>5. Trade Difference (line 1 minus lines 2, 3, &amp; 4) \$58,795.00</p>					
				<p>6. Documentary Preparation \$495.00</p>					
				<p>7. Title Preparation</p>					
				<p>8. *Mass. Sales Tax ( 0.000 % of line 5, 6 &amp; 7)</p>					
				<p>9. Other</p>					
				<p>10. TOTAL CONTRACT PRICE (Total of lines 5, 6, 7, 8, &amp; 9) \$59,290.00</p>					
				<p>11. Balance Due on Trade-In</p>					
				<p>12. Subtotal (Total of lines 10 &amp; 11) \$59,290.00</p>					
				<p>13. Deposit</p>					
				<p>14. Amount to be Financed</p>					
				<p>15. Cash Due on Delivery \$59,290.00</p>					
				<p>16. TOTAL PAYMENT (Total of lines 13, 14, &amp; 15) (line 16 must equal line 12) \$59,290.00</p>					

6843: EntId: 1324375 / ExtId: 3893866

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## ADDITIONAL PROVISIONS

(a) I agree to accept delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and to pay the cash due on delivery simultaneously with its delivery.











**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b>	<b>Priority #:</b>	
<b>Project Title and Description:</b>	<b>Total Project Cost:</b>	

Department/Division Head:

Check if project is:    New ☐    Resubmitted ☐                      Cost estimate was developed: Internally ☐    Externally ☐

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

\_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>					

Project Justification and Objective: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan                      Yes ☐                      No ☐

Can this project be phased over more than one fiscal year?                      Yes ☐                      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: \_\_\_\_\_

Attach backup information, estimates, or justification to support this request.

**C.N. WOOD**  
**FLAIL MOWER**  
**TARIFF**

Price	15% contingency	MOWER TARIFF	TARIFF TIRES	TOTAL
\$257,925.00	\$38,688.75	\$16,198.00	\$2,157.75	\$314,969.50

8,020 HOURS

CONDITION: ROTTED, FATIGUED METAL, BAD WIRING



MUNICIPAL AND CONTRACTORS' EQUIPMENT

200 Merrimac St  
Woburn MA 01801

PROPOSAL

Tel. (781) 935 1919  
Fax [781] 937 9809

Date:  
September 11, 2025

Town of Plymouth  
Department of Public Works  
159 Camelot Drive  
Plymouth, MA 02360

Att: Rick Ragazzini Department of Public Works Fleet Supervisor

C. N. Wood is pleased to offer the following **budget** quote through FAC 116 lawns and grounds equipment, parts and service contract.

1 New Trackless MT 7 multi-purpose Tractor with John Deere diesel tier 4 final engine, radial winter tires, air ride seat, am/fm/cd radio, back up alarm, oil pressure gauge, outside mirrors, license plate bracket, backup alarm, rear wiper and washer, power outlet 12-volt, battery disconnect switch, rear license plate bracket with light, painted yellow, 1 year warranty and all other standard equipment.

**ADDITIONAL STANDARD EQUIPMENT**

**Extra pump and valve**

**Ride Control**

**Air conditioner roof mount**

**Locking differential**

**Forward and reverse rocker**

**Reversing fan**

**SELLING PRICE.....\$172,830.00**

**OPTIONAL EQUIPMENT:**

**Front side boom flail mower..\$40,495.00 [ today add 40% for tariff surcharge]  
[with Tariff \$56,693.00]**

**Dual winter tires.....\$6,165.00 [today add 35% tariff surcharge]  
[ with Tariff \$8,322.00]**

**32"x60" power angle broom..... \$9,495.00**

**Water tank and pump kit..... \$4,390.00**

**51" ribbon blower..... \$19,275.00**

**V- plow complete..... \$5,275.00**

**Total Selling Price.....\$257,925.00**

**Note: above pricing valid through January 1, 2026 and are without tariff surcharge.**

**Note: Due to the current market conditions along with the on-going supply chain issues pricing is subject to change.**

C. N. Wood Co, Inc. is looking forward to providing the Town of Plymouth with the premium Trackless products and first class service. Please do not hesitate to contact me if you have any questions or need further information.

Best Regards,  
Stephen M. Russell  
Sales Representative

No warranties are made other than those extended by the manufacturer of the equipment, and in the event of alleged breach of warranty, expressed or implied, the liability of C. N. Wood Co., Inc., shall be limited to the liability of the manufacturer to it, and shall be subject to all limitations and conditions imposed by the manufacturer.

Seller shall not be liable for any default or delay in delivery, as a result of shipping delays, strikes, fires, lockouts, or inability to procure materials.

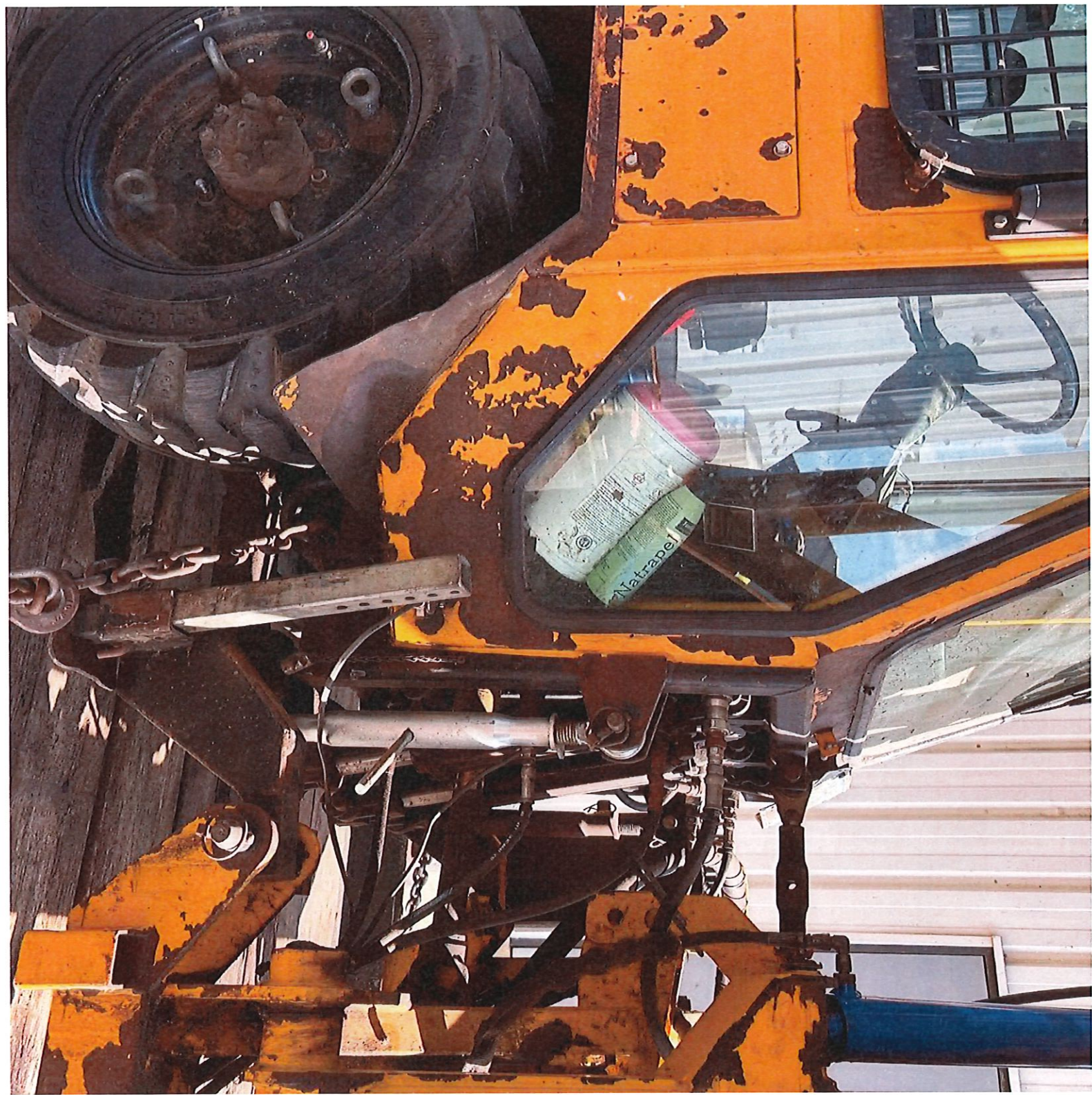
































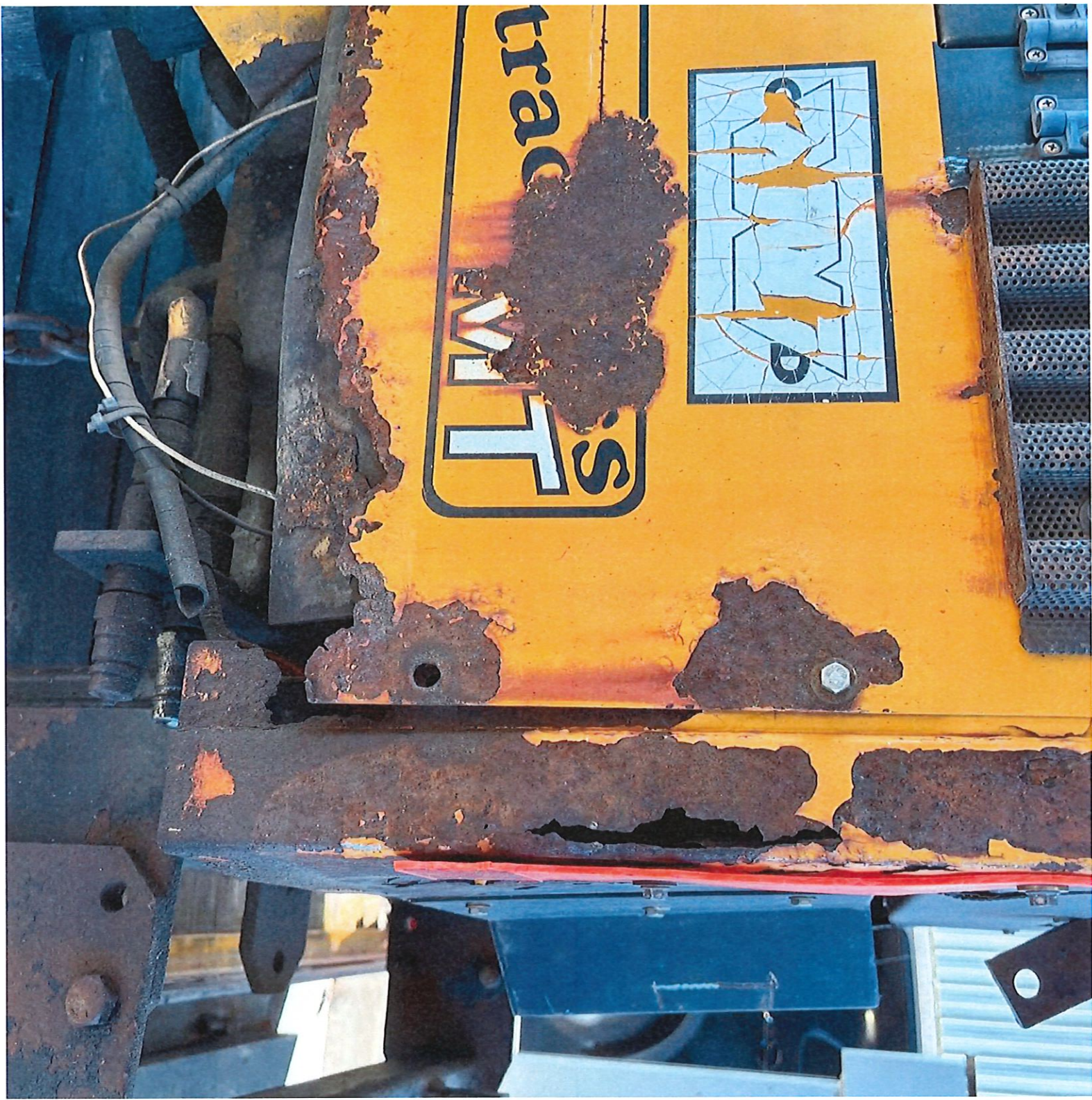












CAM SUPERLINE TRAILER

CAREY AUTO INC

Price	15% contingency	ADD-ONS	TOTAL
\$13,550.00	\$2,032.50	\$0.00	\$15,582.50

12 YEARS OLD

CONDITION: WEAK AND FATIGUED SUSPENSION



**Carey Auto Inc**  
**37 County Road**  
**Plympton, MA 02367**  
**Tel : 781-582-1378**  
**fax: 781-585-4438**

## Quote

Date	Quote #
9/15/2025	20506

Name / Address
Town of Plymouth Highway Division 159 Camelot Drive Plymouth, MA 02360

Vehicle Information
Rick

Lead time	Quoted by
5 wks	Mike

Item	Description	Qty	Price Each	Total
Trailer	2025 Cam 7x19 Split tilt 15' Tilt 4' Stationary 8 ton 2 8000lb axles 17,600 GVW spare tire / Rims black in Color		13,550.00	13,550.00

*** Subject to Steel Surcharge ***		<b>Subtotal</b>	\$13,550.00
<b>** Quoted Price May be Subject to Tax if Applicable**</b> <b>**Carey reserves the right to add tariff related surcharges to this order or any current unshipped order.**</b> Thank you for the opportunity to quote you. Please call with any questions. Prices subject to change without notice.		<b>Sales Tax (0.0%)</b>	\$0.00
		<b>Total</b>	\$13,550.00

Phone #	Fax #	E-mail	Web Site
781-582-1378	781-585-4438	careyauto@comcast.net	www.careytruck.com

**CAM SUPERLINE TRAILER**

**LVJ TRAILERS & EQUIPMENT LLC**

Price	15% contingency	ADD-ONS	TOTAL
\$15,350.00	\$2,302.50	\$0.00	\$17,652.50

LVJ Trailers & Equipment, LLC

77 Pond Street  
Norfolk, MA 02056

508-384-2606

## Estimate

Date	Estimate #
9/12/2025	7802

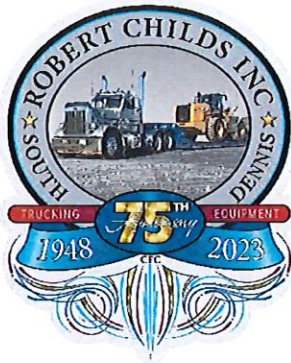
Name / Address
Town of Plymouth Rick 508-789-8071 rragazzini@plymouth-ma.gov

			Project
Description	Qty	Rate	Total
CAM Superline Split Deck Tilt Trailer Model P8CAM154STT 4' Stationary/15' Tilt 17,600 GVW - Payload 13,370 lbs Color - Black Pintle or ball coupler	1	15,350.00	15,350.00
Aluminum Wheel Assy 215/75R17.5 LRJ 8 Ton Model (set of 4)	1	1,250.00	1,250.00
Estimates good for 30 days.		<b>Subtotal</b>	\$16,600.00
		<b>Sales Tax (6.25%)</b>	\$0.00
		<b>Total</b>	\$16,600.00

**CAM SUPERLINE TRAILER**  
**ROBERT CHILDS INC**

Price	15% contingency	ADD-ONS	TOTAL
\$16,222.00	\$2,433.30	\$0.00	\$18,655.30





## ROBERT CHILDS, INC.

P.O. BOX 1431  
169 GREAT WESTERN ROAD  
SOUTH DENNIS, MA 02660  
508-398-2556  
508-394-5317 fax



### Proposal

September 12, 2025

Town of Plymouth – DPW  
159 Camelot Drive  
Plymouth, MA 02360  
Attn: Rick Ragazzini  
(508) 789-8071 / rragazzini@plymouth-ma.gov

One new 2026 CAM Superline Model P-SDT82154-176: \$16,222.00  
ESTIMATED 6 – 8 Weeks Completion.  
GVWR: 17600lbs. Empty: 4230lbs. Payload: 13370lbs.  
Color: Black  
Standard Length: 19' (4' Stat./15' Tilt)  
Coupler: Pintle Eye  
Spare: Black, Wheel Assy 215/75R17.5 LRJ (8-Ton Model)  
Freight: FOB Robert Childs, Inc.  
Options: **See List of 24 Standard Features Page 2.**  
Oak Decking Upgrade: \$50.00  
Aluminum Wheel Upgrade: \$1,500.00  
Spare - Aluminum: \$950.00

Municipal Discount of 5% will be deducted from final invoice.

*Warranty: Three Years Defects in Material and Workmanship Limited, 1 Year Tire Hazard, 5 Year Tire Defect, 5 Year Axle and Suspension, 1 Year Hydraulic Pump and Cylinder.*

**CAM SUPERLINE: 7 x19 (15+4) Split Tilt 17.6K:**

24 Standard Features

Frame : 6" x 4" x 1/2" Steel Angle

Crossmembers : 3" Steel Channel

Tongue : 6", 10.5 lb/ft Steel Channel

Coupler : 2-5/16" Adjustable

Safety Chains : DOT Compliant

Tongue Jack : 12K Drop Leg, Set-Back

Ramp(s) : HD Diamond Plate Knife Edge Tail

Fenders : Double Break Tread Plate

Axle : (2) 8000 lb. Drop Slipper Spring Brake

Hubs : Oil Bath

Breakaway : Zip™ Cable and Switch, Battery, and Solar Charger

Tires : 215/75R17.5J 18-PR

Wheels : 17.5", 8-Hole Steel

Exterior Finish : Industrial Grade Polymer Finish

Decking : 2" Pressure Treated Pine

Tie Downs : (8) 5/8" D-Rings

Tie Downs : Banjo Tie-Downs

Tie Downs : Stake Pockets

Exterior Storage : Spare Tire Carrier

Exterior Storage : Pallet Fork Carrier

Exterior Storage : A-Frame Steel Lockable Toolbox

Connector Plug : Round 7-pin Blade

Exterior Lights : Full LED, DOT Compliant

Hydraulic Components : Hydraulic Cushion Load Cylinder with Stop Valve















**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <span style="font-size: 1.2em;">HIGHWAY</span>	<b>Priority #:</b> <span style="font-size: 1.5em;">2</span>
<b>Project Title and Description:</b> <span style="font-size: 1.1em;">MACK 10 WHEELER DUMP TRUCK</span>	<b>Total Project Cost:</b> <span style="font-size: 1.1em;">\$500,265</span>

**Department/Division Head:** HIGHWAY TONY LOPES

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$435,326.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$65,298.90				
<b>Total Capital</b>	<b>\$500,264.90</b>				

**Project Justification and Objective:** TRUCK IS USED TO HAUL MATERIAL TO AND FROM JOBS. IT PLOWS AND SANDS DURING SNOW STORMS. TRUCK IS IN POOR CONDITION AND NEEDING REPAIRS ON A CONSTANT BASIS.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
 Can this project be phased over more than one fiscal year?

Yes ☐    No ☒  
 Yes ☐    No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2012 MACK GU713 1MZAX09C3MO13704 POOR CONDITION

What is the expected lifespan of this new/replacement equipment: 15/20 YEARS

Attach backup information, estimates, or justification to support this request.

**BALLARD MACK**  
**10 WHEEL TRUCK**

Price	15% contingency	ADD-ONS	TOTAL
\$435,326.00	\$65,298.90	\$0.00	\$500,624.90

115,869 MILES

CONDITION: ROTTED, RUSTED, AND CORRODED

# TECHNICAL SPECIFICATION

## GRANITE 64FR



MODEL DEFINING		DESCRIPTION
S	PRICE BOOK LEVEL	2008-10-07
S	VOLTAGE	ELECTRICAL SYSTEM 12 VOLT

APPLICATION PACKAGES	DESCRIPTION
CHASSIS CONFIGURATION PACKAGE	ONEBOX EATS, RH BATTERY BOX, 6.6 GALLON (25L) SLEEVED DEF, 22" SLEEVED LH FUEL TANK

CUSTOMER/VEHICLE INFO		DESCRIPTION
S	CHASSIS (BASE MODEL)	GRANITE 64FR
	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
	TYPE OF SERVICE	MUNICIPAL
S	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel
	Order Subject to Meeting All Mack Policies, Terms and Conditions,	Including but not Limited to Applicable CARB and/or Section 177 States' Regulation requirements
	INTENDED REGISTRATION LOCATION	MASSACHUSETTS
S	INITIAL REGISTRATION LOCATION	USA REGISTRATION
	BRAND ORNAMENT	BULLDOG, CHROME
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
S	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE
	VEHICLE USE & BODY/TRAILER TYPE	SNOW PLOW FRONT MOUNTED
	TRAILER TYPE	FIXED DRAWBAR TRAILER AND CENTERED AXLES
	GROSS COMBINATION WEIGHT (CA in PC29 only)	80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)
	TOPOGRAPHY	GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%
S	AMBIENT TEMP UPPER LIMIT	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR
S	OPERATING TERRAIN GRADE CONDITIONS	ON-OFF HIGHWAY, STARTING GRADES<18%
S	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE
	VEHICLE VOCATION	PICKUP & DELIVERY / SHORT HAUL SERVICE

ENGINE/TRANSMISSIONS		DESCRIPTION
	ENGINE / MOTOR	MP8-445C MACK 445HP @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1850 LB-FT, US'21
S	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS VOCATIONAL APPLICATION
	TRANSMISSION	4500 RDS 6 SPEED ALLISON GEN 6 W/PROGNOSTICS, WITH PTO PROVISION
S	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT

EXHAUST/EMISSIONS		DESCRIPTION
	NOX LIMITS	CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance
S	IDLE EMISSION LABEL LOCATION (CA in PC29 only)	IDLE EMISSION LABEL LOCATION, LOWER LH CORNER OF DRIVER DOOR
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21
	CHASSIS MOUNTED EMISSIONS FINISH	W/O DEF COVER & STAINLESS STEEL DPF COVER
S	DIESEL EXHAUST FLUID TANK	6.6 GALLON (25 L) 22" LEFT SIDE FUEL TANK MTD
	EXHAUST	SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END



# TECHNICAL SPECIFICATION *(cont.)*



EXHAUST/EMISSIONS	DESCRIPTION
EXHAUST STACK HEIGHT	9' 6" FROM GROUND
EXHAUST - BRIGHT FINISH	SINGLE, BRIGHT FINISH HEAT SHIELD, STACK
EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2025

ENGINE EQUIPMENT	DESCRIPTION
S AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD
S BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER
S AIR COMPRESSOR/DRYER	WABCO HEATED SS-HP AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR
S AIR DRYER POSITION (CA)	STANDARD AIR DRYER LOCATION
S AIR DRYER POSITION (CA)	AIR DRYER POSITION STANDARD
S ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE
S BATTERIES	(3) MACK 12V 760/2280 CCA THREADED STUD TYPE
BATTERY BOX - MOUNTING (x)	RH RAIL BEHIND SCR
S BATTERY BOX COVER	MOLDED PLASTIC
BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE
STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)
ENGINE BRAKE	MACK MP8 POWERLEASH
S VEHICLE/TRAILER STOP LAMP APPLICATION (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)
S ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC
S FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE
S COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
RADIATOR TYPE	RADIATOR, CORE AREA W/O FEPTO 1345sq in (86sq dm), CORE AREA W/ FEPTO 1296sq in (83sq dm)
HOSES - RADIATOR/HEATER	SILICONE HOSES, SPRING CLAMPS ON RADIATOR & HEATER, 1/4 TURN BALL VALVE HEATER HOSE
S FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER)
S RELOCATE FUEL FILTER (CA)	STANDARD FUEL FILTER POSITION
S ENGINE HEATERS	120v 1500w BLOCK HEATER ONLY
PLUG QUANTITY & TYPE	SINGLE (1) 120V-15A PLUG
OIL SUMP	CORROSION RESISTANT OIL PAN
S EMERGENCY ENGINE STOP (CA)	WITHOUT ENGINE STOP, EMERGENCY

CLUTCH/TRANS EQUIPMENT	DESCRIPTION
GEAR SHIFTER	ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)
S CLUTCH ACTUATION SYSTEM & PEDAL PAD	WITHOUT CLUTCH CABLE SYSTEM
S DRIVELINE - MAIN	MERITOR RPL35, WITH CROSS SERRATED YOKE (PROPS-XL)
S DRIVELINE - INTERAXLE	MERITOR RPL25
S DRIVESHAFT MAIN U-JOINT	UNIVERSAL JOINT CROSS SERRATED YOKE (where applicable)
S DRIVESHAFT INTERAXLE U-JOINT	HALF-ROUND UNIVERSAL JOINT
S TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC
LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
TRANSMISSION OIL COOLER	ALLISON 4xxx SERIES TRANSMISSION W/DIRECT MOUNT COOLER & SS COOLANT TUBES

FRONT AXLE EQUIPMENT	DESCRIPTION
FRONT AXLE	20000# (9100 KG) MACK FXL20 STRAIGHT SPINDLE/UNITIZED BEARINGS

# TECHNICAL SPECIFICATION *(cont.)*



FRONT AXLE EQUIPMENT		DESCRIPTION
	SPRINGS - FRONT	MACK TAPERLEAF HD 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS
	BRAKES - FRONT	MERITOR "S" CAM TYPE 16.5" x 6" Q+
	BRAKE DRUMS - FRONT	CENTRIFUSE - OUTBOARD MOUNTED
S	DUST SHIELDS - FRONT	DUST SHIELDS FOR FRONT AXLE
	SLACK ADJUSTERS - FRONT	HALDEX - AUTOMATIC
	BRAKE CHAMBERS - FRONT	FRONT BRAKE CHAMBER MANUFACTURER, HALDEX
	HUBS - FRONT	FERROUS
S	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE
S	SHOCK ABSORBERS - FRONT	DOUBLE ACTING TYPE
	STEERING	SHEPPARD SD110 + HD94

REAR AXLE EQUIPMENT		DESCRIPTION
	REAR AXLE	52000# (23600kg) MACK S522R CAST DUCTILE IRON HOUSING
S	WIDE TRACK AXLE OPTION	W/O WIDE TRACK AXLE
S	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
S	CARRIER - REAR AXLE	150/151 SERIES (Tandem Mack Rear Axles up to 150,000lb GCW)
	TRACTION DIFFERENTIAL	INTERWHEEL DIFFERENTIAL LOCK, ALL REAR AXLES
S	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT
	REAR AXLE RATIO	4.50 RATIO
	REAR SUSPENSION	SS52 MACK CAMELBACK MULTILEAF 52,000 lb, HEAVY DUTY
	BOGIE SPREAD, REAR	55" AXLE SPACING (BOGIE WHEELBASE)
S	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS
	BRAKES - REAR	MERITOR HEAVY DUTY "S" CAM 16.5"x7" Q+ (Total for QTY = 2)
	BRAKE DRUMS - REAR	MERITOR "MACHINE-TO-BALANCE" FULL CAST
S	SLACK ADJUSTERS - REAR	HALDEX - AUTOMATIC (Total for QTY = 2)
	DUST SHIELDS - REAR BRAKE	DUST SHIELDS FOR REAR AXLE
	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE
	BRAKE ORI REAR-MOST DRIVE AXLE	DRUM BRAKE CHAMBER ORIENTATION: High Mount - Rear of Axle - Chamber Down
S	PARKING BRAKE CHAMBER	HALDEX "GOLD SEAL PLUS" (3" STROKE) BRAKE CHAMBERS (Total for QTY = 2)
S	HUBS - REAR	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT
S	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADV.BENDIX ABS/ATC/RSA W/YAW CNTRLW/MUD/SNOW SW; REQ-TRUCK APPL 6S6M
S	AIR SYSTEM VALVE VENDOR	BENDIX SWITCHES AND VALVES WHERE POSSIBLE
S	TRACTION CONTROL DISABLE (CA in PC29 only)	AUTOMATIC TRACTION CONTROL (ATC) FULL DISABLE SWITCH

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
	WHEELBASE	197"
	AF (OVERHANG)	67"
	FRAME RAILS & LINERS	9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81")W/ Full Liner; RBM 3,580,000 LB-IN
	FRONT FRAME LENGTH	BUMPER POSITION EXTENDED 20" (SNOW)
	CROSSMEMBERS	BOC AND INTERMEDIATE CROSSMEMBERS, HD I-BEAM
S	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER
S	TAPERED FRAME RAIL ENDS	WITHOUT TAPERED FRAME RAIL ENDS
S	FRONT BUMPER	EXTENDED-SWEPT BACK-STEEL
S	TRUNNION BRACKET	BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT
S	TOWING DEVICE, FRONT	HOOKS

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# TECHNICAL SPECIFICATION *(cont.)*



FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
S	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK
	FUEL TANK - LH	88 GALLON (335 L) 22" ALUMINUM, SLEEVED D-SHAPED
S	FUEL TANK - RH	W/O RH FUEL TANK
S	FUEL LINE MATERIAL	BRAIDED HOSE
S	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP
	FUEL SYSTEM - DUAL	W/O FUEL LINE OPTION
S	CAB ACCESS STEPS	STANDARD 2 STEP CAB ACCESS
S	STEPS (BRIGHT) - FUEL TANK	STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS

AIR/BRAKE		DESCRIPTION
	RELOCATE AIR RESERVOIRS	MANUAL SOLUTION FOR IN-FRAME AIR RESERVOIR LOCATION- UNDER BATT.BOX & BETWEEN FRAME RAILS
S	AIR TANK DRAIN VALVE	MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS
	AIR TANK MATERIAL & FINISH	ALUMINUM AIR TANK PAINTED CHASSIS COLOR
S	PARK BRAKE ALARM	ALARM TO SOUND WHEN DRIVER DOOR OPENED & PARKING BRAKE NOT ON
	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK

ELECTRICAL		DESCRIPTION
	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB
	DASH MOUNTED SWITCHES	(4) 15A, IGNITION POWERED, (2) 15A BATTERY POWERED, ALL LATCHING ON/OFF
S	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL
	AUXILIARY LAMPS (CA in PC29 only)	DASH CONTROL & POWER SUPPLY FOR LOCAL INSTALL OF AUX SNOWPLOW LAMPS OVERRIDE DAYTIME RUNNING LIGHTS
S	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED, HEATED
S	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED
S	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)
S	TAIL LAMPS	INCANDESCENT TAIL LAMPS
	WORK LIGHTS - CHASSIS MOUNTED	RH/LH LED WORK LIGHT (STEPS & GROUND) ON BOTH SIDES TRUCK

TRAILER CONNECTIONS		DESCRIPTION
	HAND CONTROL VALVE	HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL FUNCTION
	TRAILER CONNECTIONS	TRAILER AIR BRAKE CONNECTIONS, END OF FRAME
	TRAILER ELECTRICAL RECEPT	SINGLE 7 PINS STD SAE TYPE, END OF FRAME

PTO		DESCRIPTION
	PTO - CONTROL	TRANSMISSION PTO SWITCH AND LIGHT WITH WIRING AND PIPING FOR LOCAL INSTALLATION
	FRONT ENGINE PTO	1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)
S	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU

SPECIALTY EQUIPMENT		DESCRIPTION
S	LANE SUPPORT SYSTEM (LSS)	WITHOUT LANE SUPPORT SYSTEM
S	DATA CAPTURE	WITHOUT DATA CAPTURE
S	SURVEILLANCE CAMERA OPTIONS (CA)	WITHOUT CAMERA

# TECHNICAL SPECIFICATION *(cont.)*



CAB INTERIOR (A THRU G)		DESCRIPTION
S	SPEEDOMETER -&- GAUGES - UNIT(s) OF MEASURE	U.S. UNITS (PREDOMINANT)
	GAUGE - PACKAGE, SECONDARY	2ND GA PKG W/ENG OIL TEMP, TRANS OIL TEMP, PYRO, BOOST PRESS
	GAUGE OIL TEMP-REAR AXLE	REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)
S	CLIMATE UNIT	ELECTRONIC CONTROLLED CLIMATE CONTROL AIR CONDITION
S	CUPHOLDER	CUPHOLDER
S	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED
S	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"
	FIRE EXTINGUISHER	5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD
S	FLOOR COVERING	POLYURETHANE FLOOR MAT WITHOUT REMOVABLE INSERTS

CAB INTERIOR (H THRU R)		DESCRIPTION
S	INSTRUMENT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH
S	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM
S	KEYLESS ENTRY	W/O ELECTRONIC KEYLESS ENTRY
S	OVERHEAD CONSOLE	(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS
S	RADIO/RADIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH
S	RADIO - ANTENNA	RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR
	RADIO ANTENNA - CB	48" ANTENNA LEFT SIDE MIRROR MOUNTED
S	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE
S	RADIO - BINDING POSTS FOR CB	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE
S	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL
S	RADIO - CB RADIO MOUNTING	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE
S	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR
	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC

CAB INTERIOR (S THRU Z)		DESCRIPTION
	INTERIOR TRIM LEVELS	COMFORT TRIM PACKAGE, SIERRA TAN (Package 11B)
S	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR
	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - BLENDED BLACK & TAN VINYL
	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX
	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - BLENDED BLACK & TAN VINYL
	SEAT ARM REST(S)	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT
S	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT
S	SEAT BELT WARNING INDICATOR	SEAT BELT REMINDER IN INSTRUMENT, WITH AUDIO
S	STARTER SWITCH	KEY TYPE
S	STEERING WHEEL	2 SPOKE URETHANE GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES
S	WINDSHIELD TYPE	TWO PIECE WINDSHIELD
	CAB GLASS	HEATED TINTED WINDSHIELD, GUARDIAN ENHANCED PROTECTIVE REAR GLASS W/SAFEFLEX; 50% TRANSMITTANCE
S	WINDSHIELD WASHER	W/O WINDSHIELD WASHER OPTION
S	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE

CAB EXTERIOR		DESCRIPTION
S	HOOD LATCH TYPE & FINISH	STRAP TYPE HOOD LATCH WITH BLACK FINISH



# TECHNICAL SPECIFICATION *(cont.)*



CAB EXTERIOR		DESCRIPTION
S	EXTERIOR TRIM FINISH AND PACKAGES	GRANITE BRIGHT AIR INTAKE
	GRILLE	BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED
S	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR
	GRAB HANDLES	BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST
	HOOD HATCH	WITH INSPECTION HATCH FOR SNOWPLOW HOOD
	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET, BRIGHT FINISH ALUMINUM W/SNOW SHIELDS
S	HORN - ELECTRICAL	DUAL TONE
	MIRRORS - EXTERIOR	FLAT MIRROR - POLISHED ALUMINUM FINSH, HEATED, W/O LAMPS
	MIRRORS - CONVEX TYPE CAB DOORS	BRIGHT FINISH, LH & RH, 8" DIAMETER HEATED CONVEX
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)
AERODYNAMIC DEVICES		DESCRIPTION
S	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERODYNAMIC DEVICES
S	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS
WHEELS & TIRES		DESCRIPTION
	TIRES BRAND/TYPE - FRONT	315/80R22.5 L BRIDGESTONE M870 (20000 lbs) (Total for QTY = 2)
	WHEELS - FRONT	22.5x9.00 ALCOA 89U64x HIGH POLISHED ALUMINUM, 6.94" OFFSET, 10 HAND HOLE (Total for QTY = 2)
	TIRES BRAND/TYPE - REAR	12R24.5 H BRIDGESTONE M863 (28640 lbs) (Total for QTY = 8)
	WHEELS - REAR	24.5x8.25 ALCOA 98565x SEVERE SERVICE, HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)
S	VALVE STEMS & CAPS	STANDARD VALVE STEMS AND CAPS
S	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM
S	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)
S	WHEEL NUT & FINISH - FRONT (CA)	WHEEL NUT BASIC FINISH, FRONT
S	WHEEL NUT & FINISH - REAR (CA)	WHEEL NUT BASIC FINISH, REAR
COMMUNICATION SYSTEMS		DESCRIPTION
S	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1
S	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES
ENGINE ELECTRONICS		DESCRIPTION
S	SHUTDOWN-ENG.OIL PRESSURE	OIL PRESSURE, ENGINE SHUTDOWN
S	SHUTDOWN-ENG.COOLANT TEMP	COOLANT TEMP, ENGINE SHUTDOWN
S	ENG /OIL TEMP SHUTDOWN	ENGINE PROTECTION (SHUTDOWN)
	FAN ENGAGEMENT TIME-A/C	ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC
S	LOW IDLE ENGINE RPM	IDLE CONTROL, 600 RPM
S	IDLE RPM UP W/LOW VOLTAGE	INCREASE 10 MINUTE MAXIMUM TIME
S	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
S	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME
S	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY
S	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY
S	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE
S	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT

# TECHNICAL SPECIFICATION *(cont.)*



ENGINE ELECTRONICS		DESCRIPTION
S	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
S	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
S	EHT, MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KM/H (10 MPH)
S	EHT, MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM
S	EHT, MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
S	EHT, SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC

TRANSMISSION ELECTRONICS		DESCRIPTION
	TRANSMISSION ELECTRONICS PACKAGE	DUMP/VOCATIONAL/PLOW(223) - REQUIRES SERVICE BRAKE TO ENGAGE GEAR (4TH GEAR LIMIT SECONDARY FOR PLOW
	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-ALLOWS THE DRIVER TO ENGAGE GEAR PRIOR TO DISENGAGING THE PARK BRAKE
	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	FUELSense, FULL NEUTRAL AT STOP

VEHICLE ELECTRONICS		DESCRIPTION
S	ROAD SPEED LIMIT (RSL)	105 KM/H ROAD SPEED LIMITER (65MPH)
S	PEDAL SPEED LIMITER	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)
S	CRUISE CONTROL	CRUISE CONTROL
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)
S	ENG BRAKE ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KM/H (15MPH)
	DIFF LOCK SPEED LIMIT	DIFFERENTIAL LOCK ROAD SPEED LIMIT 24KM/H (15MPH)
S	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH
S	SPEED SENSOR TAMPERING DETECTION	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	PWR.LIMIT LVL.-MPH SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	DRIVER PERFORMANCE & BONUS PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS
S	DATAMAX ENGINE OVERSPEED-COMPANY	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	DATAMAX ENGINE OVERSPEED-FUEL	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	DATAMAX VEHICLE OVERSPEED-ALL	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KM/H)
S	DATAMAX VEHICLE OVERSPEED-FUEL	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KM/H)
S	DATAMAX IDLE LOG DELAY	ENGINE IDLE DELAY TO START LOG, 2 MIN
S	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH

PTO ELECTRONICS		DESCRIPTION
S	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM
S	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC
S	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM
S	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KM/H (60 MPH)
S	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM
S	PTO 2ND, SINGLE SPEED SETTING	PTO 2ND, SINGLE SPEED SETTING, 1000 RPM
S	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC

# TECHNICAL SPECIFICATION (cont.)



PTO ELECTRONICS		DESCRIPTION
S	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM
S	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)
S	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM

PAINT		DESCRIPTION
S	PAINT DESIGN	SINGLE COLOR
S	PAINT TYPE	SOLID PAINT
	PAINT COLOR - FIRST COLOR	MACK GREEN; P9014
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
S	CAB COLOR	SAME AS FIRST COLOR - CAB
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD
	SUN VISOR COLOR	SAME AS FIRST COLOR - SUN VISOR
S	SLEEPER ROOF COLOR	WITHOUT SLEEPER ROOF COLOR
S	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING
S	CHASSIS RUNNING GEAR	MACK BLACK (60 GLOSS); 250-12370
S	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT
S	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX		DESCRIPTION
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION
	BASIC CHASSIS COVERAGE	CHASSIS PLAN 2 60/250K MI NORMAL/HEAVY DUTY, GRANITE/TERRAPRO/LR MODELS PROTECTION PLAN
	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel
	ENGINE WARRANTY	ENG PLAN 2: 84 MO/250K MI-EXT ENGINE COVERAGE MP7/MP8 <460HP
S	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)
	ENGINE AFTERTREATMENT SYSTEM	EATS: 84MO/250K MI-ENGINE AFTERTREATMENT <460
	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)
S	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM)
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE
	CHASSIS TOWING WARRANTY	CHASSIS TOWING 60 MO/250K MILES
	ENGINE TOWING WARRANTY	ENGINE TOWING 84 MO/250K MILES

CONNECTED SERVICES		DESCRIPTION
	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 84 MONTHS
	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 84 MONTHS
S	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION

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# TECHNICAL SPECIFICATION *(cont.)*



CONNECTED SERVICES		DESCRIPTION
S	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED

ADDITIONAL ENGINEERING (Non Approved)		DESCRIPTION
CA		



PRICING SUMMARY  
GRANITE 64FR

Final Unit Sales Price	\$435,326.00
Deal Size (Units)	1
EXTENDED DEAL SALES PRICE	\$435,326.00

Pricing Comments

INCLUDED IN QUOTED BUDGET NUMBER:

VEH111

58,000 # MERITOR REAR AXLE AND HENDRICKSON SUSPESION LARGER BRAKES \$12,899

JC MADIGAN QUOTE OF \$196,250.00

EXTENDED WARRANTIES: ENGINE PLAN 2, EMISSIONS & ENGINE TOWING 84 MONTHS / 250,000 MILES, CHASSIS PLAN 2 & TOWING 60 MONTHS/250,000, ALLISON TRANSMISSION 60 MONTHS / UNLIMITED MILES \$15,163.00

TOWN OF PLYMOUTH	DATE	BALLARD MACK SALES & SERVICE, INC.	DATE
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# MACK®



Mack Trucks  
[www.macktrucks.com](http://www.macktrucks.com)

J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER, MA.

SALES DEPT.  
TEL. (978)847-2900  
FAX (978)847-0068

QUOTE: TOWN OF PLYMOUTH HWY DEPT.

TO ROCKY L. @ BALLARD MACK

FROM JOHN DWYER

A) 14 FT 10.9/16.0 CUYD REAR DISCHARGE 304 STAINLESS STEEL MATERIAL SPREADER / DUMP BODY HI-WAY MODEL XT-3 TYPE-III INSTALLED ON A TOWN SUPPLIED CHASSIS UNDERCOATED AND ALL NON-STAINLESS ITEMS PAINTED ONE COLOR WITH THE FOLLOWING EQUIPMENT.

- 1) 36" STAINLESS CABSHIELD W/ SIDE & FRONT RECESSED LED FLASHERS
- 2) STAINLESS REMOVEABLE CONVEYOR COVER
- 3) SIDE MOUNTED STAINLESS ACCESS LADDER W/ HANDLE
- 4) BACKUP AND LIFT ALARMS / TAILGATE D-RING / TANDEM POLY FENDERS
- 5) REAR MOUNTED SPINNER ASSEMBLY
- 6) 40 TON TELESCOPIC HOIST ASSEMBLY
- 7) UNDERBODY MOUNTED STAINLESS SPILLSHIELD
- 8) HEAVY DUTY MATERIAL SCREENS
- 9) CUSTOM STAINLESS SIDEBOARDS
- 10) AERO AUTO TARPING SYSTEM W/ ALUM. ARMS AND ASPHALT TARP
- 11) 1" PINTLE PLATE W/ 45T PINTLE, D-RINGS, AND 7-SPADE RV TRAILER PLUG
- 12) REAR RECESSED LED FLASHERS, STOP/TAILS/REVERSE LIGHTS
- 13) (2) SPINNER MOUNTED LED WORKLIGHTS
- 14) (2) FRONT GRILL RECESSED LED FLASHERS

B) 11 FT 36" HIGH INTAKE 54" HIGH DISCHARGE VORTEX STYLE STEEL MOLDBOARD TRIP EDGE SNOW PLOW EVEREST MODEL R132TEL3654SH-(V) WITH HYDRAULIC REVERSING MODE, JOMA WINTER CUTTING EDGE, CURB AND WEAR SHOES, AND GUIDEPOLES.

C) EVEREST CUSTOM LO-MOUNT PLOW FRAME MODEL (JCM)  
INSTALLED WITH HOOD MOUNTED ABL LED PLOWLIGHTS AND  
30.5" ON CENTER PLOW EARS

D) TRANSMISSION MOUNTED CENTRAL HYDRAULIC SYSTEM  
WITH A HOTSHIFT PTO, IN-CAB CONTROLS AND VALVE BODY  
TO CONTROL DUMP, 4-WAY PLOW, AND POWER BEYOND.

- 1) PEDISTAL MOUNTED MUNCIE OPEN LOOP SPREADER  
CONTROLS
- 2) LOW FLUID LEVEL WARNING LIGHT
- 3) STAINLESS HYDRAULIC TANK

PRICE \$196,250.00

OPTION!! STEEL BODY ILIEU OF STAINLESS BODY UPGRADE  
CREDIT PRICE ABOVE (\$40,000.00)

(120" CT / TRANS PTO OPENING / PLOW LIGHT PREP. / FRAME EXTENSION / AUX SWITCHES)

APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

PO# \_\_\_\_\_ 09/15/2025













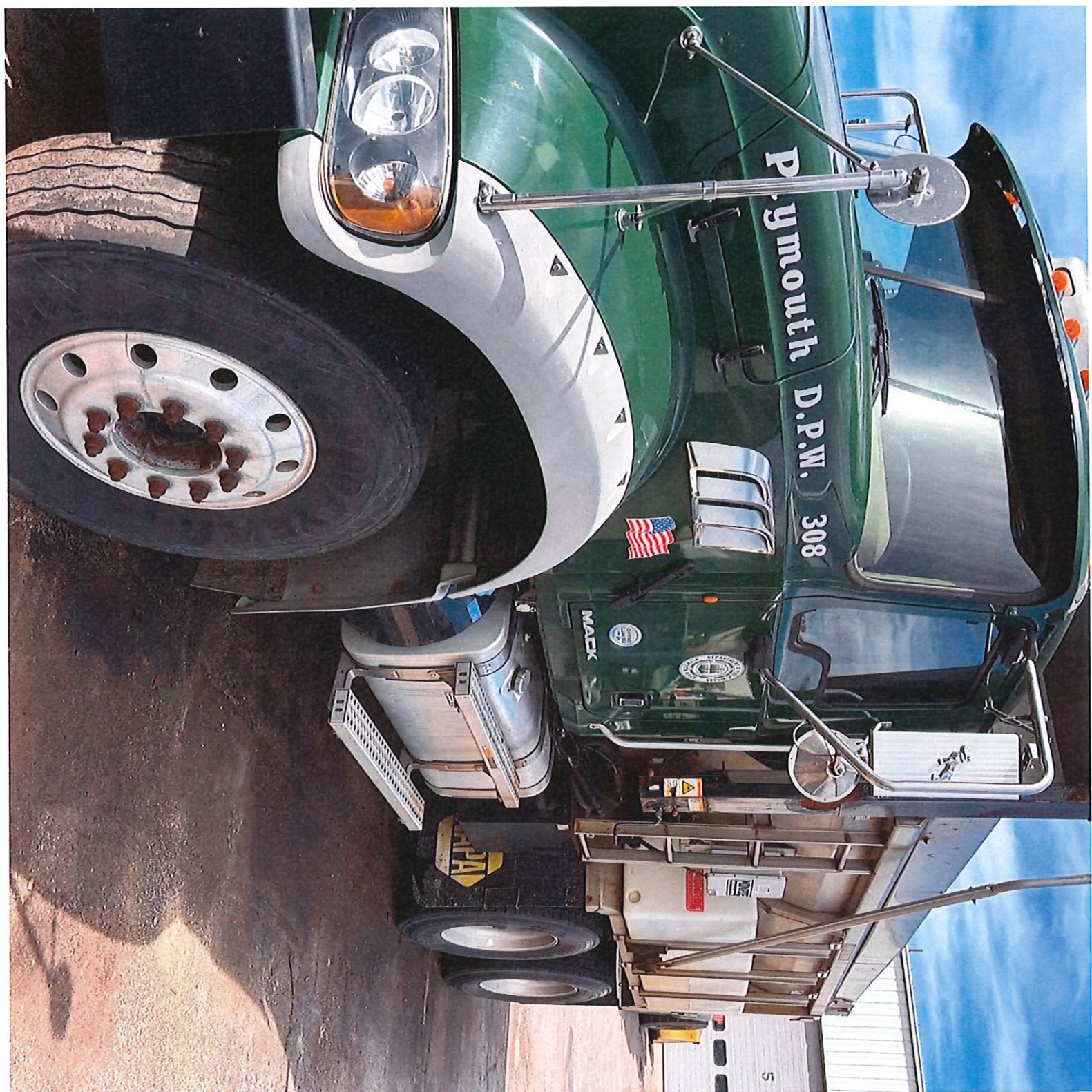








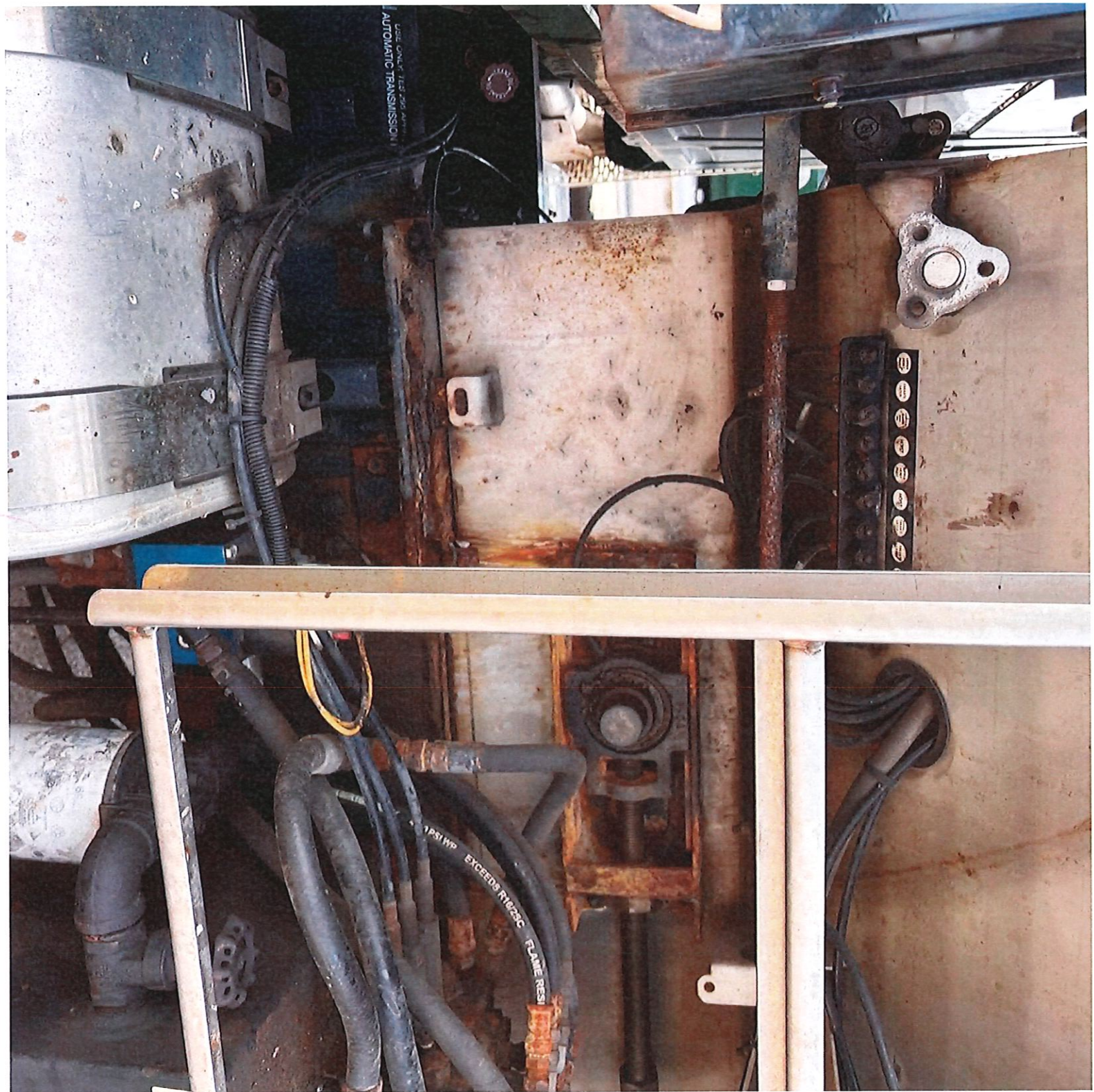
























**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>HIGHWAY</b>	Priority #:	<b>3</b>
Project Title and Description: <b>F550 CHIP TRUCK</b>	Total Project Cost:	<b>\$150,593</b>

Department/Division Head: Highway Tony Lopes

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$130,950.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$19,642.50				
<b>Total Capital</b>	<b>\$150,592.50</b>				

**Project Justification and Objective:** Rotting and leaking has caused extensive wiring damage, the cab is in very poor condition.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
 Can this project be phased over more than one fiscal year?

Yes ☐    No ☒  
 Yes ☐    No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2012 Ford F550 1FDUF5HT7CEC96102
VERY POOR CONDITION

What is the expected lifespan of this new/replacement equipment: 15/20 years

Attach backup information, estimates, or justification to support this request.

**COLONIAL FORD OF PLYMOUTH**

**CHIPPER TRUCK F550**

Price	15% contingency	ADD-ONS	TOTAL
\$130,950.00	\$19,642.50	\$0.00	\$150,592.50

101,694 MILES

CONDITION: ROTTED, RUSTED, LEAKS IN FRONT AND REAR WINDOWS,  
WIRING DAMAGED

# MOTOR VEHICLE PURCHASE CONTRACT

Colonial Ford of Plymouth, MA  
11 Pilgrim Hill Road  
Plymouth, MA 02360  
(508) 746-3400  
http://colonialford.com

FOR CONSUMER  
USE ONLY

DATE 09/15/2025		ORDER No.		STOCK NO.		SALESPERSON George Andruk		DMS EMPLOYEE # 974	
PURCHASER'S NAME(S) Town Of Plymouth				EMAIL rrgazzini@plymouth-ma.gov		STREET ADDRESS 159 CAMELOT STREET			
CITY/STATE/ZIP PLYMOUTH MA 02360				CELL PHONE		BUSINESS PHONE (508) 789-8071			
ENTER MY ORDER FOR		NEW <input checked="" type="checkbox"/> USED <input type="checkbox"/>		FORMER USE (if applicable)		DEMONSTRATOR <input type="checkbox"/>		POLICE CAR <input type="checkbox"/>	
						FORMER LEASED CAR <input type="checkbox"/>		FORMER DAILY RENTAL <input type="checkbox"/>	
								REBUILT INSURANCE TOTAL <input type="checkbox"/>	
								TAXI CAB <input type="checkbox"/>	
Year 2026	Make FORD	Model F550	Body Style/Type CHIPPER BODY	Model No. XL	Transmission Standard <input type="checkbox"/> Automatic <input checked="" type="checkbox"/>	(Speeds) 10	Cyl. 8	Pass 3	Doors 2
Vehicle Identification No. TBD		Color 1st GEM GREEN		Interior 1st DARK SLATE		Top		Odometer mi. <input type="text"/>	
TRADE-IN		Year		Make		Model		Type	
Model		Type		Color		V.I.N.			
Odometer		(mi. <input type="text"/> km. <input type="text"/> )		Transmission		Standard (Speeds) <input type="checkbox"/> Auto <input type="checkbox"/>			
No of Cyl.		Pass.		Doors		Salvage Title		Yes <input type="checkbox"/> No <input type="checkbox"/>	
PREVIOUS OWNER		Application for Title <input type="checkbox"/>		Application for Reg <input type="checkbox"/> New <input type="checkbox"/> Transfer <input type="checkbox"/>		Registration No.			
City/State/Zip		Registration Fee		Title Fee		Mass. Sales Tax			
Address		Title Fee		Mass. Sales Tax					
City/State/Zip		Title Fee		Mass. Sales Tax					
Acol. No.		Check No.		Sales Tax amount is included in right hand column only when dealership check is issued in payment of Mass. Sales Tax.					
Balance Due		Additional Information - Vehicle Purchased							
LIENHOLDER		Address		City/State/Zip		INSURANCE CO.		Agent/Branch	
Address		City/State/Zip		INSURANCE CO.		Agent/Branch		Address/City	
<p>In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of _____ may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me.</p> <p>Purchaser's Initials [ ]</p>									
<p>ALL REBATES AND SALES INCENTIVES OFFERED BY THE MANUFACTURER OR DISTRIBUTOR ARE HEREBY ASSIGNED TO THE DEALER</p> <p>Purchaser's Initials [ ]</p>									
<p>This contract is not binding upon either dealer or purchaser until the following conditions are met:</p> <p>(1) The contract is signed by dealer or his/her authorized representative;</p> <p>(2) Other: _____</p> <p>(3) Other: _____</p>									
<p>PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL S/HE RECEIVES A COPY OF THIS CONTRACT SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.</p>									
<p>The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into.</p>				<p>Purchaser Signature _____</p> <p>Co-Purchaser Signature _____</p> <p>Approved Authorized Dealer Representative _____</p>		<p>1. Total Price \$130,950.00</p> <p>2. Discount</p> <p>3. Trade-In Allowance</p> <p>4. Rebate</p> <p>5. Trade Difference (line 1 minus lines 2, 3, &amp; 4) \$130,950.00</p> <p>6. Documentary Preparation \$495.00</p> <p>7. Title Preparation</p> <p>8. *Mass. Sales Tax ( 0.000 % of line 5, 6 &amp; 7)</p> <p>9. Other</p> <p>10. TOTAL CONTRACT PRICE (Total of lines 5, 6, 7, 8, &amp; 9) \$131,445.00</p> <p>11. Balance Due on Trade-In</p> <p>12. Subtotal (Total of lines 10 &amp; 11) \$131,445.00</p> <p>13. Deposit</p> <p>14. Amount to be Financed</p> <p>15. Cash Due on Delivery \$131,445.00</p> <p>16. TOTAL PAYMENT (line 16 must equal line 12) \$131,445.00</p>			

6843: EntId: 1324375 / EvId: 3893866

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## ADDITIONAL PROVISIONS

(a) I agree to accept delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and to pay the cash due on delivery simultaneously with its delivery.

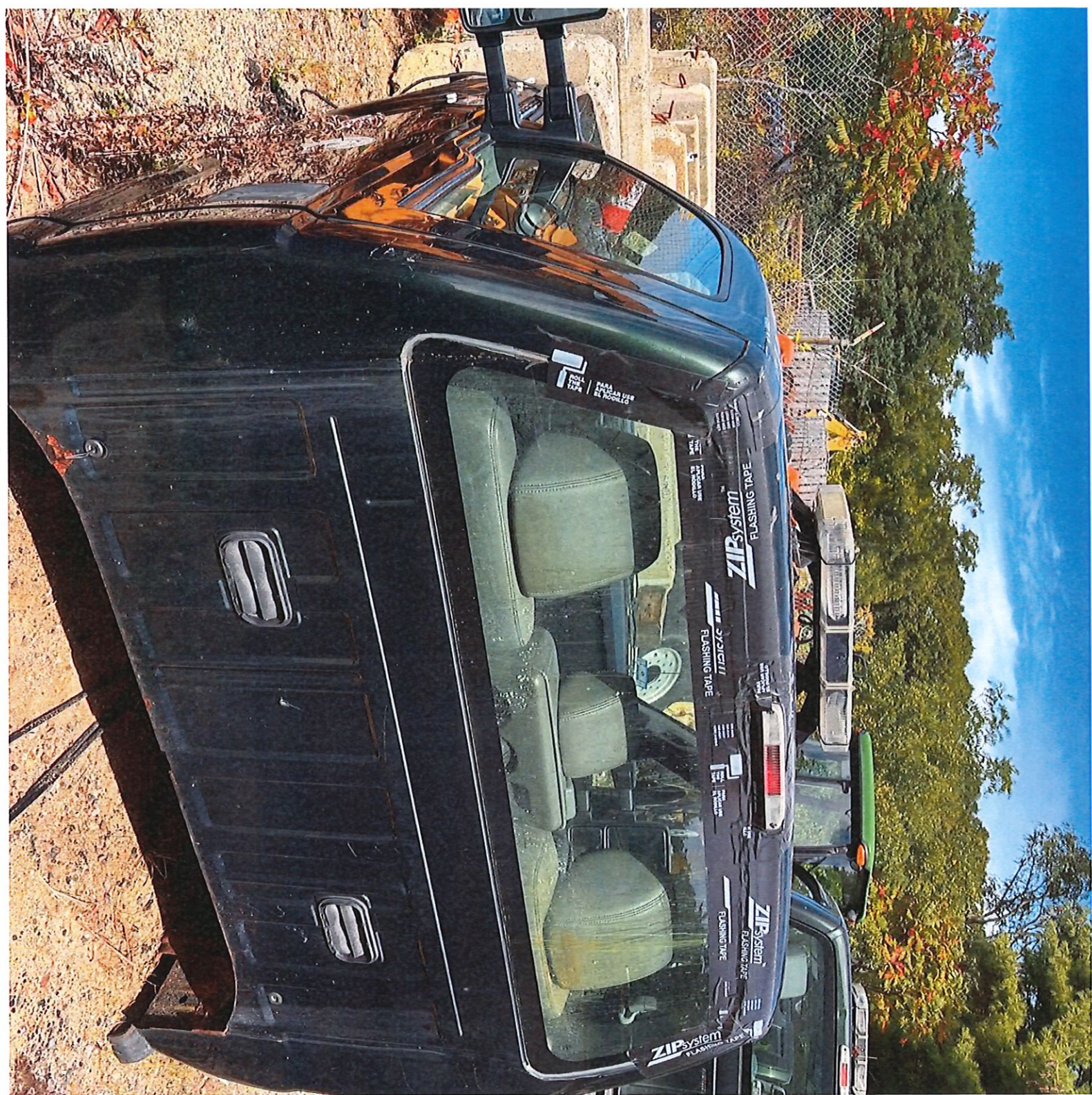
















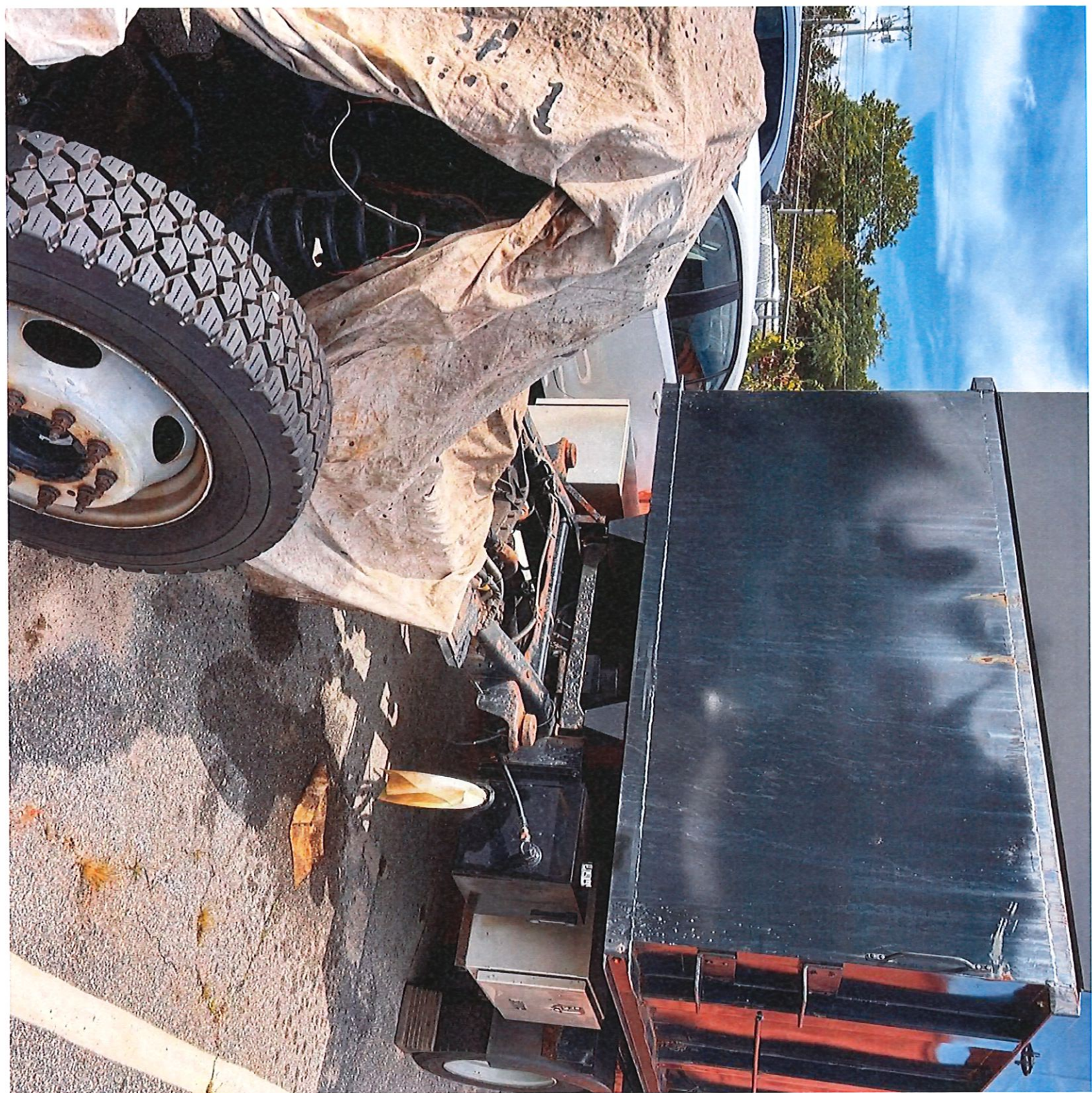






















**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>HIGHWAY</b>	Priority #: <b>5- 4</b>	
Project Title and Description: <b>FORD EXPLORER ACTIVE</b>	Total Project Cost: <b>\$54,625</b>	

Department/Division Head: Highway Tony Lopes

Check if project is:    New ☒    Resubmitted ☐                      Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$47,500.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$7,125.00				
<b>Total Capital</b>	<b>\$54,625.00</b>				

**Project Justification and Objective:** The SUV is used every day to check on jobs, the employees and monitor the roads during snow.

The body and frame are rusting badly, some rot has made holes. The suspension is getting tired. Has been repaired alot the past year.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐    No ☒

Can this project be phased over more than one fiscal year?

Yes ☐    No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2016 FORD Explorer    1FM5K8D80GGB19405    POOR CONDITION

What is the expected lifespan of this new/replacement equipment: 15/20 years

Attach backup information, estimates, or justification to support this request.

**FORD EXPLORER ACTIVE**

Price	15% contingency	ADD-ONS	TOTAL
\$47,500.00	\$7,125.00	\$0.00	\$54,625.00

97,334 MILES

CONDITION: RUSTING, ROTTED, LOOSE SUSPENSION, AND NOISY STEERING

# MOTOR VEHICLE PURCHASE CONTRACT

Colonial Ford of Plymouth, MA  
11 Pilgrim Hill Road  
Plymouth, MA 02360  
(508) 746-3400  
http://colonialford.com

FOR CONSUMER  
USE ONLY

DATE 09/12/2025		ORDER No.		STOCK NO.		SALESPERSON George Andruk		DMS EMPLOYEE # 974	
PURCHASER'S NAME(S) Town Of Plymouth				EMAIL rrgazzini@plymouth-ma.gov		STREET ADDRESS 159 CAMELOT STREET			
CITY/STATE/ZIP PLYMOUTH MA 02360				CELL PHONE		BUSINESS PHONE (508) 789-8071			
ENTER MY ORDER FOR		NEW <input checked="" type="checkbox"/> USED <input type="checkbox"/>		FORMER USE (if applicable)		DEMONSTRATOR <input type="checkbox"/>		POLICE CAR <input type="checkbox"/>	
				FORMER LEASED CAR <input type="checkbox"/>		FORMER DAILY RENTAL <input type="checkbox"/>		REBUILT INSURANCE TOTAL <input type="checkbox"/>	
Year 2026		Make FORD		Model EXPLORER		Body Style/Type SUV		Model No. ACTIVE	
						Transmission Automatic <input checked="" type="checkbox"/>		(Speeds) 10	
								Cyl. 4	
								Pass 7	
								Doors 4	
Vehicle Identification No. TBD		Color 1st BLACK		Interior 1st SPACE GRAY		Top		Odometer mi. <input checked="" type="checkbox"/> km. <input type="checkbox"/>	
TRADE-IN		Year		Make					
Model		Type		Color					
VIN									
Odometer		(mi. <input type="checkbox"/> km. <input type="checkbox"/>							
Transmission		Standard (Specs) <input type="checkbox"/>		Auto <input type="checkbox"/>					
No. of Cyl.		Pass. <input type="checkbox"/>		Doors					
Salvage Title		Yes <input type="checkbox"/> No <input type="checkbox"/>							
PREVIOUS OWNER									
City/State/Zip									
LIENHOLDER									
Address									
City/State/Zip									
Acct. No.		Check No.							
Balance Due									
Additional Information - Vehicle Purchased									
LIENHOLDER									
Address									
City/State/Zip									
INSURANCE CO.									
Agent/Branch									
Address/City									
<p>In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of _____ may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me.</p> <p>Purchaser's Initials ( )</p>				<p>WARRANTY INFORMATION This vehicle carries an express warranty. You may obtain a copy of such warranty from the dealer upon request at time of order and will receive the warranty at time of delivery.</p>				<p>Employer ID No.</p> <p>Email Address rrgazzini@plymouth-ma.gov</p> <p>Price of Unit \$47,500.00</p> <p>Additional Equipment/Items</p> <p>(NO SUNROOF)</p>	
<p>ALL REBATES AND SALES INCENTIVES OFFERED BY THE MANUFACTURER OR DISTRIBUTOR ARE HEREBY ASSIGNED TO THE DEALER</p> <p>Purchaser's Initials ( )</p>				<p>REGISTRATION FEE/TITLE FEE SALES TAX</p> <p>Application for Title <input type="checkbox"/></p> <p>Application for Reg <input type="checkbox"/> New <input type="checkbox"/> Transfer</p> <p>Registration No.</p> <p>Registration Fee</p> <p>Title Fee</p> <p>Mass. Sales Tax</p> <p>Sales Tax amount is included in right hand column only when dealership check is issued in payment of Mass. Sales Tax.</p>				<p>Dealer Installed Accessories</p>	
<p>This contract is not binding upon either dealer or purchaser until the following conditions are met:</p> <p>(1) The contract is signed by dealer or his/her authorized representative;</p> <p>(2) Other: _____</p> <p>(3) Other: _____</p>				<p>1. Total Price \$47,500.00</p> <p>2. Discount</p> <p>3. Trade-In Allowance</p> <p>4. Rebate</p> <p>5. Trade Difference (line 1 minus lines 2, 3, &amp; 4) \$47,500.00</p> <p>6. Documentary Preparation \$495.00</p> <p>7. Title Preparation</p> <p>8. Mass. Sales Tax ( 0.000 % of line 5, 6 &amp; 7)</p> <p>9. Other</p> <p>10. TOTAL CONTRACT PRICE (Total of lines 5, 6, 7, 8, &amp; 9) \$47,995.00</p> <p>11. Balance Due on Trade-In</p> <p>12. Subtotal (Total of lines 10 &amp; 11) \$47,995.00</p> <p>13. Deposit</p> <p>14. Amount to be Financed</p> <p>15. Cash Due on Delivery</p> <p>16. TOTAL PAYMENT (line 15 must equal line 12) \$47,995.00</p>				<p>PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL S/HE RECEIVES A COPY OF THIS CONTRACT SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.</p>	
<p>The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into.</p>				<p>Purchaser Signature _____</p> <p>Co-Purchaser Signature _____</p> <p>Approved Authorized Dealer Representative _____</p>				<p>Generated by DealerSocket®</p> <p>9/12/2025 11:28:50 AM</p>	

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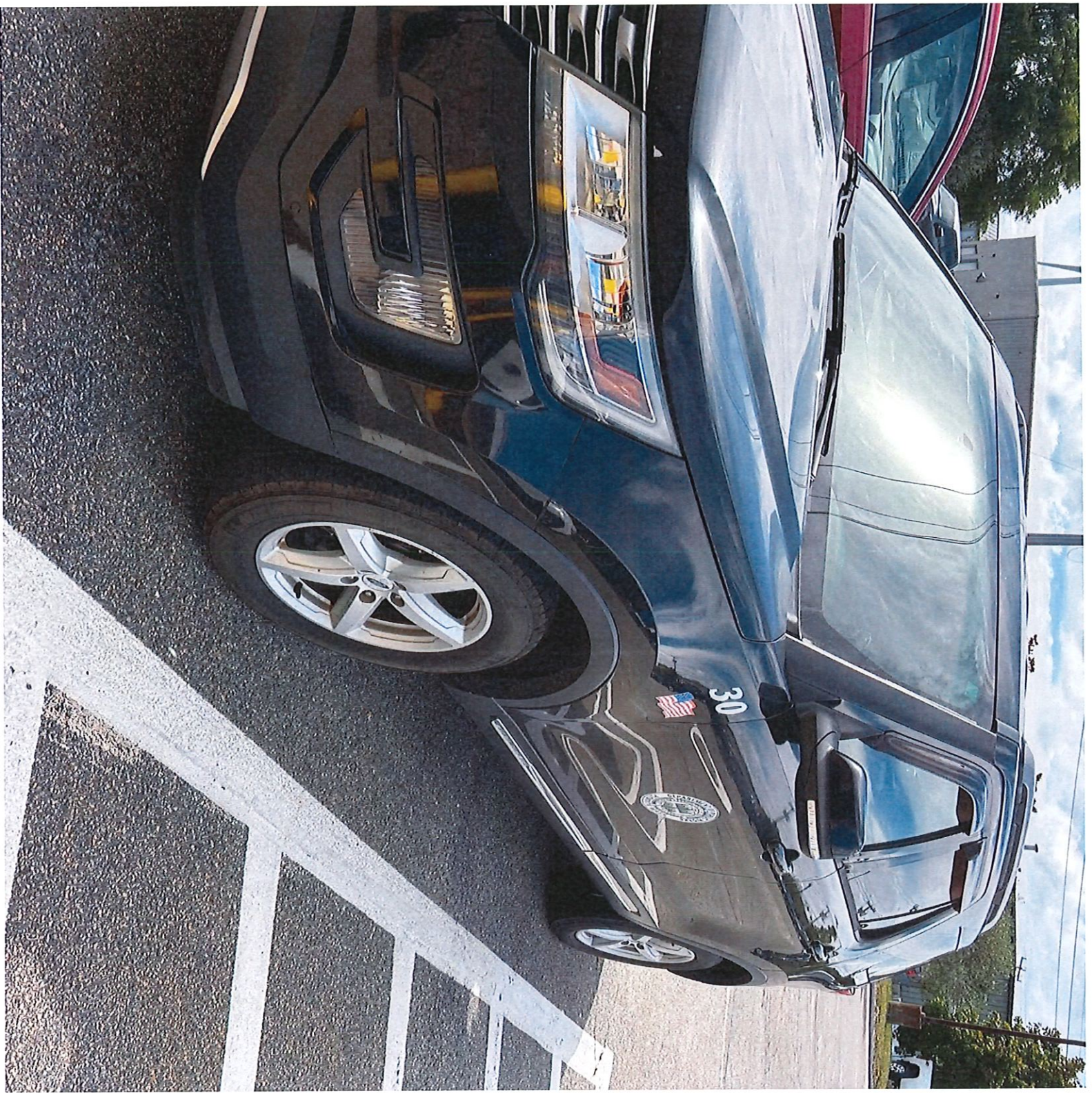
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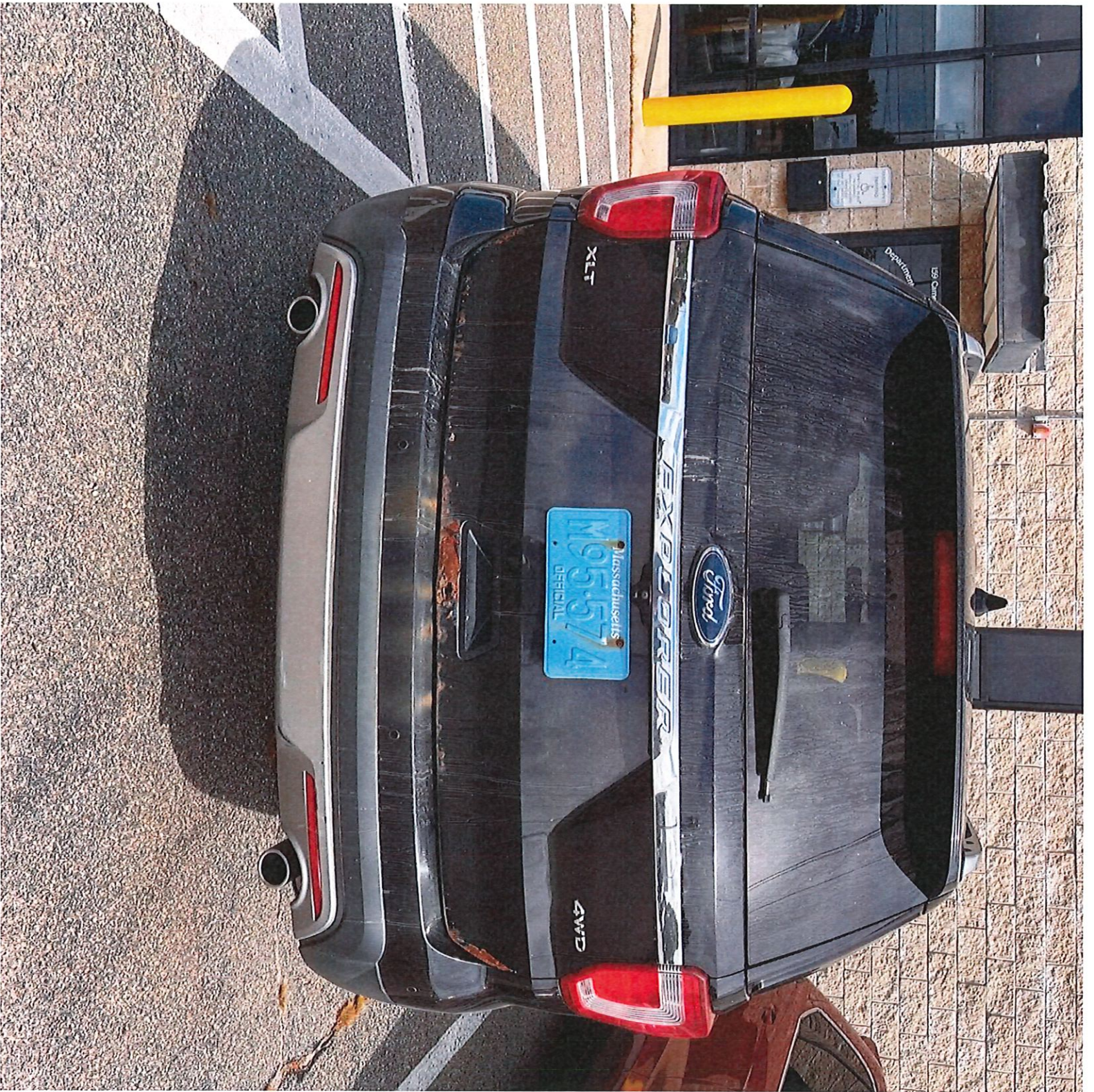
## ADDITIONAL PROVISIONS

(a) I agree to accept delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and to pay the cash due on delivery simultaneously with its delivery.





















**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Cemetery	<b>Priority #:</b>	1
<b>Project Title and Description:</b> F550 Ford Truck	<b>Total Project Cost:</b>	\$147,318.00

**Department/Division Head:** Diane Maguire

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$122,765.00		FY32		
<i>Other</i>					
<i>Contingency</i>	\$24,553.00				
<b>Total Capital</b>	<b>\$147,318.00</b>				

**Project Justification and Objective:** This truck will replace Truck #74 which is approaching the end of its lifespan with many areas of decay including holes in the body and frame. The new vehicle purchase will include a sander and plow.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐ No ☒

Can this project be phased over more than one fiscal year?

Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2016 Ford F550 VIN 1FDUF5HT6GEB78712 - in poor condition.

**What is the expected lifespan of this new/replacement equipment:** 10-12 years.

Attach backup information, estimates, or justification to support this request.















COLONIAL FORD INC  
11 PILGRIM HILL ROAD  
PLYMOUTH, MA 02360  
508-746-3400

MOTOR VEHICLE  
PURCHASE CONTRACT  
For Consumer Use Only

DEAL#: 0095043  
CUST#: 245072

DATE 09/09/2025	STOCK NO <b>T.B.O.</b>	SALES PERSON GEORGE ANDRUK	BUYER'S E-MAIL ADDRESS rrgazzini@plymouth-ma.gov		
PURCHASER'S NAME TOWN OF PLYMOUTH		CO-PURCHASER'S NAME		BUYER LIC#	
ADDRESS 159 CAMELOT STREET		ADDRESS		BUYER D.O.B.	
CITY PLYMOUTH, MA	STATE MA	ZIP 02360	CITY	STATE	ZIP
TELEPHONE: HOME 508-789-8071 BUSINESS 508-789-8071		TELEPHONE: HOME BUSINESS		BUYER2 D.O.B.	
NEW <input checked="" type="checkbox"/>	FORMER USE <input type="checkbox"/>	DEMONSTRATOR <input type="checkbox"/>	FORMER DAILY RENTAL <input type="checkbox"/>	SOURCE	
USED <input type="checkbox"/>	(IF APPLICABLE) FORMER LEASE <input type="checkbox"/>	OTHER <input type="checkbox"/>			
YEAR 2025	MAKE FORD	MODEL F550 SUPER DUTY	BODY TYPE CAB CHASSIS	MODEL NO	TRANS: AUTO <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/>
CYL 8	PASS 2	DOORS 2			
VIN. <b>T.B.O.</b>		COLOR GREEN GEM		ODOMETER 3	EXPECTED DELIVERY DATE 09/05/2025

TRADE-IN: YEAR MAKE MODEL COLOR	WARRANTY INFORMATION <input type="checkbox"/> This vehicle carries an express warranty. You may obtain a copy of such warranty from the dealer upon request. Initial [ ] <input type="checkbox"/> This vehicle does not carry an express warranty. Initial [ ] (Initial Applicable Statement)	Fuel Type: Gasoline <b>Diesel</b> Electric Propane Hybrid Other
VIN.		
ODOMETER		
TRANSMISSION		
CYL PASS DOORS		
TITLE # STATE		

I certify that the above described trade-in vehicle has a valid Motor Vehicle Title and is not a Salvage Title.  
Purchaser's Initials: [ ]

LIENHOLDER:	Application for Massachusetts Title <input type="checkbox"/>	SALE PRICE 122270.00
ADDRESS	Application for Registration New <input type="checkbox"/> Transfer <input type="checkbox"/>	SECURITY SYSTEM
CITY/STATE/ZIP	Registration #	ADDITIONAL ITEMS
ACCT # PAYOFF GOOD UNTIL	Registration Fee \$ NA	4-5 YARD DUMP
BALANCE DUE NA	Title Fee \$ NA	LOAD COVER
LIENHOLDER	Mass. Sales Tax \$ NA	9 FT HC FISHER
ADDRESS	TOTAL \$ NA	4 YARD SANDER
CITY/STATE/ZIP		4 STROBES
TELEPHONE		36" TOOLBOX
INS. AGENT		BACK UP CAM
ADDRESS		H/D PINTLE HTCH
CITY/STATE/ZIP		
TELEPHONE		
FAX		

Purchaser consents to the selling dealer affixing dealership insignia, logo or other plate that advertises the name of the seller on the above described motor vehicle.	1. TOTAL PRICE 122270.00
Purchaser's Initials: [ ]	2. CREDIT/OVER ALLOW.
	3. TRADE-IN ALLOWANCE
	4. REBATE
	5. REBATE

In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of \$ NA may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me. Purchaser's Initials: [ ]

THIS CONTRACT IS NOT BINDING UPON EITHER DEALER OR PURCHASER UNTIL SIGNED BY DEALER OR ITS AUTHORIZED REPRESENTATIVE. PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL HE/SHE RECEIVES A COPY OF THIS SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.

The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into. IF THIS AGREEMENT IS FOR A USED VEHICLE, THE INFORMATION YOU SEE ON THE (FEDERAL TRADE COMMISSION) WINDOW FORM IS PART OF THIS AGREEMENT. INFORMATION ON THE WINDOW FORM OVERRIDES ANY CONTRARY PROVISIONS IN THE CONTRACT OF SALE. Purchaser represents and warrants that s/he has read and understood this materials printed on this motor vehicle purchase contract. Purchaser acknowledges receipt of a signed copy of this motor vehicle purchase contract.	* Sales Tax amount is included in right hand column only when dealership check is issued in payment of Massachusetts Sales Tax.	13. TOTAL CONTRACT PRICE (Total of lines 6 through 12) 122765.00
	Purchaser's Signature NA	14. BALANCE DUE ON TRADE-IN
	Dealer's Signature	15. TOTAL (Line 13 + 14) 122765.00
	APPROVED AUTHORIZED DEALER REPRESENTATIVE	16. DEPOSIT
		17. AMOUNT TO BE FINANCED
		18. CASH DUE ON DELIVERY 122765.00
		19. TOTAL PAYMENT (Total of lines 16 through 18, must equal 15) 122765.00





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Parks and Forestry</b>	<b>Priority #:</b>	<b>1</b>
<b>Project Title and Description:</b> <b>Forestry Chipper Replacement</b>	<b>Total Project Cost:</b>	<b>\$93,822</b>

**Department/Division Head:** Nick Faiella

**Check if project is:**    New ☒    Resubmitted ☐      **Cost estimate was developed:** Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$78,185.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$15,637.00	20% increase for cost increase			
<b>Total Capital</b>	<b>\$93,822.00</b>				

**Project Justification and Objective:** Please see attached.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

Year:2000, Make:Vermeer, Model:BC1800A, Vin:1VRN13127Y1002127

**What is the expected lifespan of this new/replacement equipment:** 20 years

**Attach backup information, estimates, or justification to support this request.**

## Priority #1

### Forestry Chipper Replacement – Justification

Approving this article would allow replacement of an existing chipper, that has been used regularly for 25 years. The lifespan of a commercial forestry chipper is normally 10-20 years. Given the age of this chipper, it has become the Forestry Divisions secondary chipper as we do have a second chipper that is the primary chipper (this chipper is 13 years old and getting tired. If the 25-year-old chipper is replaced, the new chipper would become the primary chipper, and the 13-year-old chipper would become the secondary chipper. It is important to always have at least one functioning chipper for emergencies, so replacing the 25-year-old unit would help ensure this.

Attachments: Quote for new chipper, photos of the existing chipper.





JOHN DEERE

### Quote Summary

**Prepared For**

TOWN OF PLYMOUTH DPW - HWY  
159 CAMELOT DR  
PLYMOUTH, MA 02360  
Business: 508-830-4162

**Prepared By**

ROBERT CYBULSKI  
United Construction & Forestry  
88 Camelot Drive  
Plymouth, MA 02360  
Phone: 508-830-9997  
robert.cybulski@ucfne.com

PURCHASE PRICE REFLECTS MA FAC116 STATE  
CONTRACT DISCOUNT.

**Quote Id:** 33421474  
**Created On:** 10 September 2025  
**Last Modified On:** 10 September 2025  
**Expiration Date:** 23 September 2025

<b>Equipment Summary</b>	<b>Selling Price</b>	<b>Qty</b>	<b>Extended</b>
2025 MORBARK BVR16 GAS BRUSH CHIPPER - 4S8SZ1813SW016043	\$ 78,185.00	X 1 =	\$ 78,185.00
<b>Equipment Total</b>			<b>\$ 78,185.00</b>
<b>Trade In Total</b>			<b>\$ 0.00</b>

**Quote Summary**

Equipment Total	\$ 78,185.00
Trade In	
Filing / Origination Fees	\$ 0.00
SubTotal	\$ 78,185.00
Est. Service Agreement Tax	\$ 0.00
Total	\$ 78,185.00
Down Payment	(0.00)
Rental Applied	(0.00)
<b>Balance Due</b>	<b>\$ 78,185.00</b>

Salesperson : X \_\_\_\_\_

Accepted By : X \_\_\_\_\_

Confidential



JOHN DEERE

## Selling Equipment

Quote Id: 33421474

Customer: TOWN OF PLYMOUTH DPW - HWY

### 2025 MORBARK BVR16 GAS BRUSH CHIPPER - 4S8SZ1813SW016043

**Equipment Notes:** Tree Care Products Warranty:

MORBARK MANUFACTURED COMPONENTS, TWO (2) YEARS OR 3,000 HOURS, WHICHEVER COMES FIRST. VENDOR PURCHASED COMPONENTS, ONE (1) YEAR FROM DATE IN SERVICE.

**Selling Price**

\$ 78,185.00

**Hours:**

2

**Stock Number:**

381769

Code	Description	Qty	Unit	Extended
02625297	2025 MORBARK MORBARK BVR16 BRUSH CHIPPER	1	\$ 0.00	\$ 0.00
<b>Standard Options - Per Unit</b>				
	Winch package: Heavy-duty, 10' chafe guard	1	\$ 0.00	\$ 0.00
	Hydraulic swivel discharge chute	1	\$ 0.00	\$ 0.00
	Electric front stabilizer	1	\$ 0.00	\$ 0.00
	Morbark ZeroClutch (centrifugal)	1	\$ 0.00	\$ 0.00
	Chipper Knife Maintenance Kit	1	\$ 0.00	\$ 0.00
	PSI 6.0L, 174-HP gasoline engine	1	\$ 0.00	\$ 0.00
	<b>Standard Options Total</b>			<b>\$ 0.00</b>
<b>Customer Discounts</b>				
	<b>Customer Discounts Total</b>		<b>\$ 78,185.00</b>	<b>\$ 78,185.00</b>
<b>Total Selling Price</b>				<b>\$ 78,185.00</b>





**MORBARK®**

# BVR16

**BRUSH  
CHIPPER**

**MADE FOR *MORE* TO KEEP PACE WITH *YOU!***



Ideal for residential tree services, utility line clearing, vegetation management, maintenance contractors and municipalities, this high-capacity, high-production chipper includes more standard features than any other chipper in its class. Many customer-inspired innovations are featured on the BVR16 Brush Chipper, increasing efficiency and safety while reducing operating and maintenance costs.

Remove the anxiety of engaging the chipper drum, damaged drive belts, and burned clutch discs and elevate your operating experience with the exclusive Morbark ZeroClutch.™ Simply start, throttle the machine to full RPM's and engage the feed control bar. The Morbark ZeroClutch features an integrated drum speed sensor that monitors the drum speed and will not allow the clutch to engage if material is lodged between the feed wheel and drum.

#### FEATURES AND BENEFITS

- Dual horizontal feed wheels with hydraulic lift assist.
- Infeed-mounted control panel for increased jobsite efficiency.
- Modular design makes maintenance and repairs fast and easy.
- Morbark ZeroClutch™ monitors the drum speed and will not allow the clutch to engage if material is lodged between the feed wheel and drum.
- Reverse pivot assembly gives mechanical advantage for increased down pressure.
- Side load anvil for quick adjustment and flipping of the anvil.







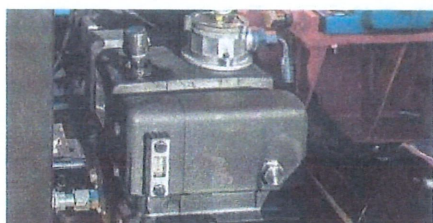
# BVR16

## BRUSH CHIPPER

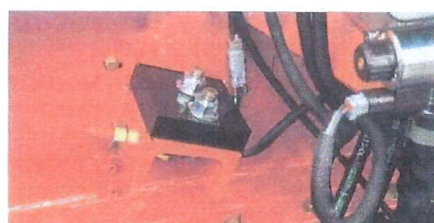
GENERAL	US	METRIC
Height	8'8"	2.6 m
Width	7'1"	2.4 m
Length	17'11"	5.4 m
Gross weight (approximate)	8,500 lb	3,855 kg
Suspension	10,000 lb Torsion	4,535 kg Torsion
Infeed opening (height x width)	34" x 60"	86.4 x 152.4 cm
Throat opening (height x width)	17" x 25 3/8"	43.2 x 64.5 cm
Drum (width x diameter)	24.5" x 24"	62.2 x 61 cm
Engine	PSI, CAT, Deutz	
Horsepower	134-174 HP	99-130 kW
Fuel capacity	30 gallons	113.5 L
Hydraulic capacity	12 gallons	45.4 L
Frame	6" C -Channel	15.2" C -Channel
Tires	(2) 235/75R x17.5"	
Hitch	2.5" Pintle	6.4 cm Pintle



Infeed-Mounted Control Panel



Composite Fuel and Hydraulic Tanks



Side Load Anvil

### EQUIPMENT HIGHLIGHTS

- Choice of gas or diesel engine.
- Composite fuel and hydraulic tanks.
- Croft style hitch with multiple height adjustments.
- Staggered knife pocket drum with six (6) dual-edged chipper knives.
- 3 position electronic control bar with dual safety pull cables within infeed.
- 360° manual swivel discharge with multiple locking positions.

### OPTIONS INCLUDE

- Bottom Bump Bar
- Cone Holder
- Chocks/Chock Holder
- Flow Control
- Hydraulic Rear Stabilizers
- Manual Rear Stabilizers
- Pusher Paddle
- Rubber Infeed Curtain
- Spare Tire and Mount
- Strobe Light
- Toolbox
- Winch Package
- 12" & 18" Hitch Extension

Updated 03/08/2024





JOHN DEERE

### Quote Summary

#### Prepared For

TOWN OF PLYMOUTH DPW - HWY  
159 CAMELOT DR  
PLYMOUTH, MA 02360  
Business: 508-830-4162

#### Prepared By

ROBERT CYBULSKI  
United Construction & Forestry  
88 Camelot Drive  
Plymouth, MA 02360  
Phone: 508-830-9997  
robert.cybulski@ucfne.com

PURCHASE PRICE REFLECTS MA FAC116 STATE  
CONTRACT DISCOUNT.

**Quote Id:** 33421474  
**Created On:** 10 September 2025  
**Last Modified On:** 10 September 2025  
**Expiration Date:** 23 September 2025

Equipment Summary	Selling Price	Qty	Extended
2025 MORBARK BVR19-SA GAS BRUSH CHIPPER - 4S8SZ1913SW019085	\$ 91,360.00	X 1 =	\$ 91,360.00
<b>Equipment Total</b>			<b>\$ 91,360.00</b>
<b>Trade In Total</b>			<b>\$ 0.00</b>

#### Quote Summary

Equipment Total	\$ 91,360.00
Trade In	
Filing / Origination Fees	\$ 0.00
SubTotal	\$ 91,360.00
Est. Service Agreement Tax	\$ 0.00
Total	\$ 91,360.00
Down Payment	(0.00)
Rental Applied	(0.00)
<b>Balance Due</b>	<b>\$ 91,360.00</b>

Salesperson : X

Accepted By : X

Confidential





## Selling Equipment

Quote Id: 33421474

Customer: TOWN OF PLYMOUTH DPW - HWY

### 2025 MORBARK BVR19-SA GAS BRUSH CHIPPER - 4S8SZ1913SW019085

**Equipment Notes:** Tree Care Products Warranty:

MORBARK MANUFACTURED COMPONENTS, TWO (2) YEARS OR 3,000 HOURS, WHICHEVER COMES FIRST. VENDOR PURCHASED COMPONENTS, ONE (1) YEAR FROM DATE IN SERVICE.

**Selling Price**

\$ 91,360.00

Hours:

0

Stock Number:

397128

Code	Description	Qty	Unit	Extended
---	2025 MORBARK BVR19-SA - GAS ENGINE	1	\$ 0.00	\$ 0.00
Standard Options - Per Unit				
	Winch package: Heavy-duty, 10' chafe guard	1	\$ 0.00	\$ 0.00
	Rubber infeed curtain	1	\$ 0.00	\$ 0.00
	Electric front stabilizer	1	\$ 0.00	\$ 0.00
	Chipper Knife Maintenance Kit, P/N 29834-927	1	\$ 0.00	\$ 0.00
	Morbark ZeroClutch (centrifugal)	1	\$ 0.00	\$ 0.00
	PSI 6.0L, 174-HP gasoline engine	1	\$ 0.00	\$ 0.00
	<b>Standard Options Total</b>			<b>\$ 0.00</b>
Customer Discounts				
	<b>Customer Discounts Total</b>		<b>\$ 91,360.00</b>	<b>\$ 91,360.00</b>
<b>Total Selling Price</b>				<b>\$ 91,360.00</b>





**MORBARK®**

# BVR19

**BRUSH  
CHIPPER**

**MADE FOR *MORE* TO KEEP PACE WITH *YOU!***



With its large capacity and high-production volume reduction capabilities, this chipper is perfect for residential tree services, vegetation management lot and land clearing, maintenance contractors and municipalities. The BVR19 Brush Chipper boasts a huge list of options to customize the machine as well as more standard features than any other chipper in its class.

Remove the anxiety of engaging the chipper drum, damaged drive belts, and burned clutch discs and elevate your operating experience with the exclusive Morbark ZeroClutch.™ Simply start, throttle the machine to full RPM's and engage the feed control bar. The Morbark ZeroClutch features an integrated drum speed sensor that monitors the drum speed and will not allow the clutch to engage if material is lodged between the feed wheel and drum.

#### FEATURES AND BENEFITS

- Infeed-mounted control panel for increased jobsite efficiency.
- Modular design makes maintenance and repairs fast and easy.
- Morbark ZeroClutch™ monitors the drum speed and will not allow the clutch to engage if material is lodged between the feed wheel and drum.
- Reverse pivot assembly gives mechanical advantage for increased down pressure.
- Reversing auto feed system automatically stops forward feed and backs material away from drum for optimum engine performance.
- Side load anvil for quick adjustment and flipping of the anvil.
- Machine is equipped with reversible counter knives to help decrease drum pocket wear, and helps create a more consistent size chip.
- Unit can be outfitted with a four-or-six cylinder diesel engine and choice of a single or tandem axle.







# BVR19

## BRUSH CHIPPER

GENERAL	US	METRIC
Height (single/tandem)	9'	2.7 m
Width (single/tandem)	7'8"	2.3 m
Length	21'8"	6.6 m
Gross weight (single, tandem)	9,000/10,500 lb	4,082/ 4,763 kg
Suspension (single axle)	(1) 12,000 lb Torflex	1 (5,443kg) Torflex
Suspension (tandem axle)	(2) 7,000 lb Torflex	2 (3,175 kg) Torflex
Infeed opening (height x width)	39" x 64"	99 x 163 cm
Throat opening (height x width)	20" x 25 3/8"	50.8 x 64.5 cm
Drum (width x diameter)	32 5/8" x 30"	83 x 76.2 cm
Engine	PSI, CAT, Deutz	
Horsepower	174–275 HP	128–205 kW
Fuel tank (capacity)	40 gallons	151.4 L
Hydraulic oil capacity	18 gallons	68 L
Frame	6" C-Channel	15.2" C-Channel
Tires	235/75R x 17.5	
Hitch	2.5" Pintle	6.4 cm Pintle



Infeed-Mounted Control Panel



Composite Fuel and Hydraulic Tanks



Side Load Anvil

### EQUIPMENT HIGHLIGHTS

- Choice of gas or diesel engine and choice of single or tandem axle.
- Composite fuel and hydraulic tanks.
- Croft style hitch with multiple height adjustments.
- Dual horizontal feed wheels with hydraulic life assist.
- Staggered knife pocket drum with six (6) dual-edged chipper knives.
- 3 position electronic control bar with dual safety pull cables within infeed.
- 360° discharge with multiple locking positions.

### OPTIONS INCLUDE

- Axle Options Available
- Bottom Bump Bar
- Cone Holder
- Chocks/Chock Holder
- Flow Control
- Hydraulic Rear Stabilizers
- Hydraulic Swivel Discharge
- Manual Rear Stabilizers
- Pusher Paddle
- Rubber Infeed Curtain
- Spare Tire and Mount
- Strobe Light
- Toolbox
- Winch Package
- 12" & 18" Hitch Extension





MANUFACTURED BY:  
RMEER-MANUFACTURING CO.  
PELLA, IOWA 50219

DATE: 1A2 700



70009

GVWR: 3720 kg (8200 lb)

EACH AXLE:

GAWR: 3630 kg (8000 lb)

RIMS: 17.5 X 6.75

TIRES: 235/75R17.5 (H)

OR

COLD TIRE INFL: 862 kPa (125 psi)

RIMS: 16.5 X 9.75

TIRES: 12 - 16.5 LT (F)

MODEL: EC1800A

COLD TIRE INFL: 517 kPa (75 psi)

VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY  
STANDARDS IN EFFECT ON THE DATE OF MANUFACTURING SHOWN ABOVE

TYPE: TRAILER VIN: 81VRN18127Y1002127























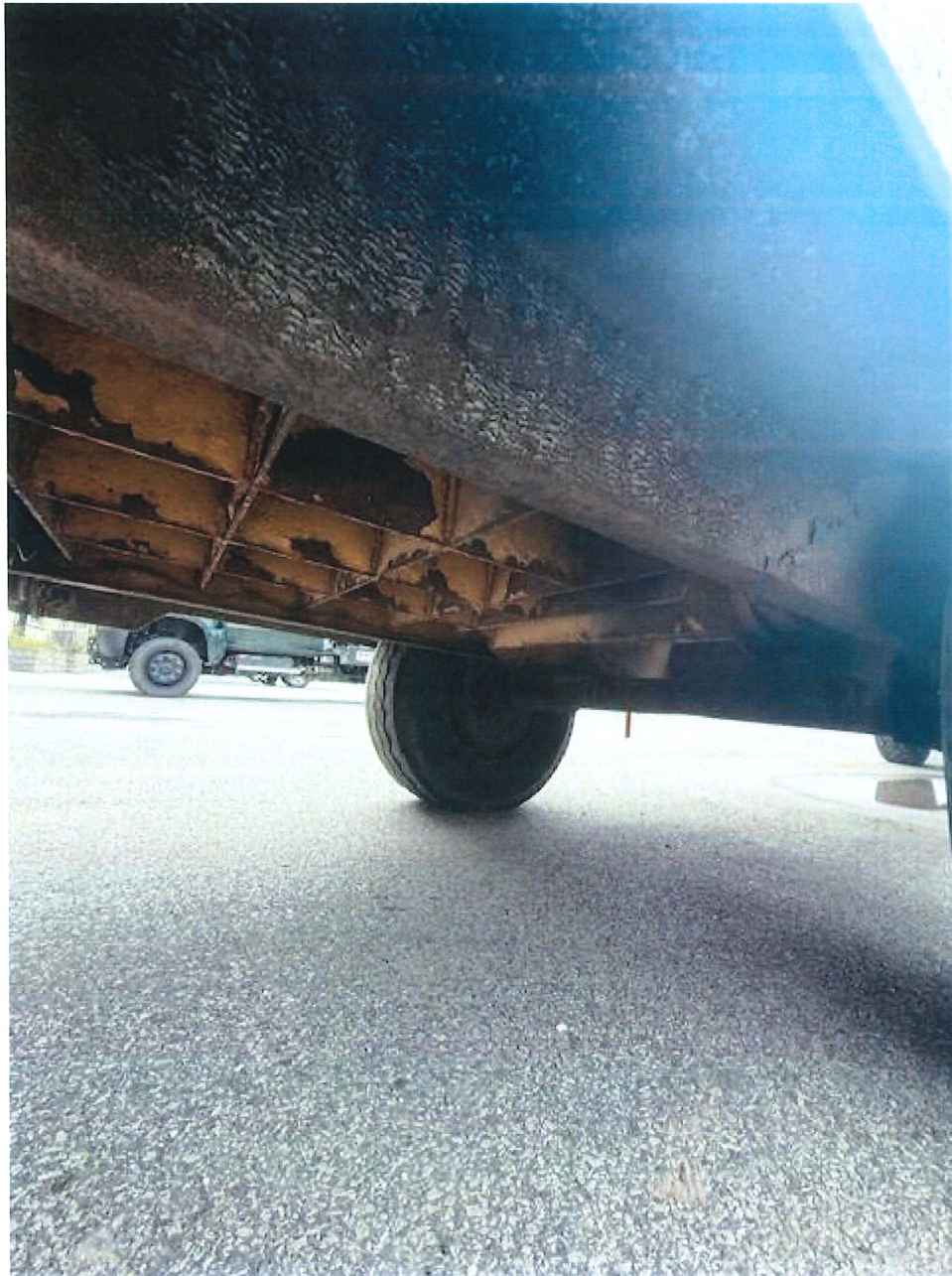














**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Parks and Forestry</b>	<b>Priority #:</b>	<b>2</b>
<b>Project Title and Description:</b> Training Green - Pedestrian lighting & Irrigation	<b>Total Project Cost:</b>	<b>\$220,000</b>

**Department/Division Head:** Nick Faiella

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$220,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	<b>\$220,000</b>				

**Project Justification and Objective:** Please see attached project justification.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**



## Priority #2

### Plymouth Training Green – Pedestrian Lighting and Irrigation

At the October 18<sup>th</sup>, 2025, Fall Annual Town Meeting, Article 21 CPC-Open Space/Recreation – Training Green, was reduced by \$220,000, for the purpose of withdrawing funding allocated for the Pedestrian Lighting, Irrigation, and Electrical Site Work associated line items from the scope of the project. The main reason for this \$220,000 reduction amendment was because a portion of Town Meeting members felt that these components of the scope were not CPC related. Another main reason for this reduction was because some Town Meeting members expressed that adding modern lighting would take away from the Nathaniel Holmstead design feel of the park.

Taking these strong points into consideration, the Town has made some changes to the original request. The first change addresses the concerns about these components not being CPC related. The new request is now a Capital Request. The second change addresses the concern for having modern lighting within the park, possibly altering the Holmstead feel of the park. Working with the engineering firm and exploring other light pole possibilities that resemble the lights that were actually used at the time of 1889-1890, by referring to actual photos of the original lighting that was used on the perimeter of the green in the 1800's (attached), the Town was able to find a very close resembling option (attached). While this option is a close match of the original lighting used in the 1800's, there are some subtle differences to meet the Plymouth Zoning Bylaw 207-4-F "Control and Glare of Light Trespass". Overall, the newly selected light fixture is a great option for this project.

Other practical reasons for considering pedestrian lighting and irrigation include the following:

- From a safety and accessibility standpoint, in the early morning or early evening hours, walking rollers, wheelchairs, or baby strollers could easily go off the unlit pathway and cause the potential of someone getting hurt.
- During the cold months, in the early morning or early evening hours, snow or icy patches on an unlit pathway could easily be missed, causing the

potential of a slip and fall injury. Although DPW tries their hardest to keep these pathways treated for snow and ice, sometimes snow and ice can be present before the DPW can respond and treat an area.

- Adding irrigation would help deter late night and early morning loitering as the irrigation would be set for these times, making the turf an unwelcoming place to loiter during the watering times.
- Adding lighting would help deter vandalism, as the park would be lit and allow Police or pedestrians to see and report and vandalism, reducing the risk of this monumental park as a target for vandalism.
- The Plymouth Training Green is a place for Military groups, Military individuals, residents, visitors, and families, to visit and honor the memorials within this park. Having lit pathways to allow safe early morning and early evening travel, and esthetically pleasing turf, would reflect respect for those that have served our Country.

Please support the vote to allocate funding for the addition of pedestrian lighting and an irrigation system for the Plymouth Training Green.






Downloads


Documents (0) 0.00/250 MB [Download](#)


Specification Sheets

Technical Files

 Complete Specsheel - Imperial  
PDF 2.63 M



 

 Photometric chart - Post-Top  
PDF

Installation Instructions

 CONCEPT Series  
PDF

Product Configurator

Your Product Code

CP2462 \_ \_ \_ \_ \_

IES files (0) 



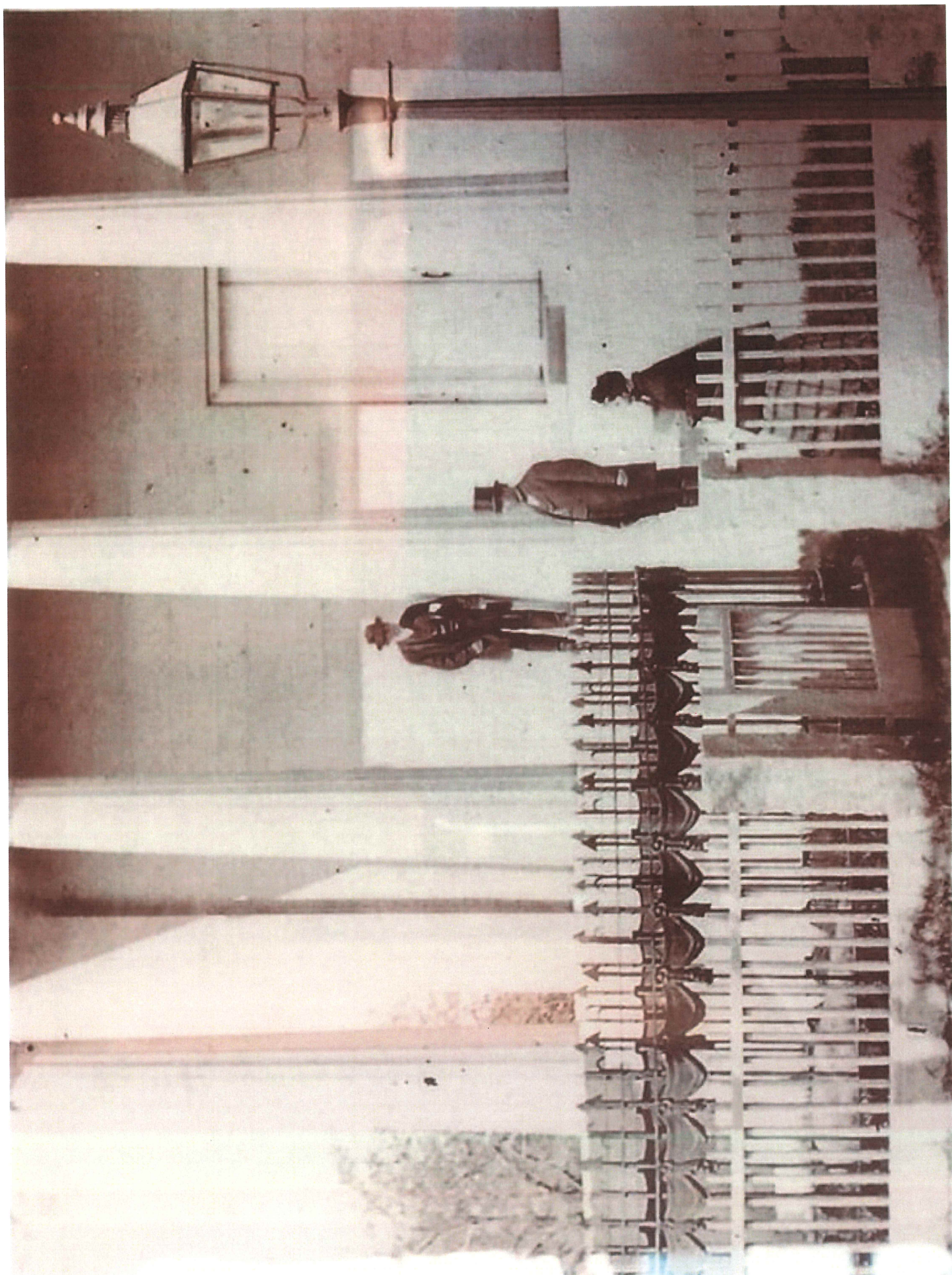




C. H. ROGERS, PHOTOGRAPHER,











**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Parks and Forestry</b>	<b>Priority #:</b>	<b>2<sup>3</sup></b>
<b>Project Title and Description:</b> <b>Veterans Memorial Park Design</b>	<b>Total Project Cost:</b>	<b>\$223,960</b>

**Department/Division Head:** Nick Faiella

**Check if project is:**   New ☒   Resubmitted ☐   **Cost estimate was developed:** Internally ☐   Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>	\$203,600		FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$20,360	10% for service increases			
<b>Total Capital</b>	<b>\$223,960</b>				

**Project Justification and Objective:** Please see attached.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☒      No ☐  
Can this project be phased over more than one fiscal year?      Yes ☒      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** N/A

**Attach backup information, estimates, or justification to support this request.**

## Priority #2

### Veterans Memorial Park Design - Justification

Approving this article would fund the redesign phase of Veterans Memorial Park. This project would include community outreach to the residents of Plymouth along with the North Plymouth Steering Committee, to ensure we meet the community's needs. Possible components to be considered include Pickle ball courts, a basketball court, a multipurpose field for recreational use, a new playground (while incorporating the existing new swing set), and a roller hockey rink.

Attachments: Quote for engineering design services.



September 16, 2025

Mr. Nicholas Faiella  
Parks and Forestry Superintendent  
Town of Plymouth  
169 Camelot Drive  
Plymouth, MA 02360

Re: **Improvements to 215-227 Standish Avenue Playground**

Dear Mr. Faiella,

Weston & Sampson is pleased to submit this scope of work and fee to provide the design, and engineering services for various safety improvements at the park and playground open space located at 215-227 Standish Avenue Plymouth, MA 02360. We understand that the Town of Plymouth wants to make improvements to the existing playground that may include but not limited to a new playground, athletic playing fields, courts, outdoor skating rink and other various improvements to support the recreational needs and programs for the Town of Plymouth. Weston & Sampson has prepared the following scope of work for your consideration within the limits of the identified project area outlined in the map below:



*Aerial map of park and playground located at 215-227 Standish Avenue indicated the proposed project area.*

Weston & Sampson will work with the Town of Plymouth to push forward a conceptual plan, schematic design, community engagement, design development, and final construction documents. Our team will help the Town



identify opportunities to refine the programing and enhance open space and recreational opportunities at the Standish Avenue Playground.

### **Task 1: Conceptual Design**

#### *Task 1a. | Topographic Survey*

Weston & Sampson will engage a qualified State of Massachusetts Professional Land Surveyor to prepare and provide a detailed land survey plan including topography, utilities, and surface limits within the agreed upon project area(s) limits and include 10-feet beyond. This effort will also include boundary / property line information. Weston & Sampson will seek three (3) competitive quotes and present the quotes to the Town to ensure we are seeking competitive and the best pricing.

The surveys will be used for the development of all Schematic, Design Development, and Contract Construction plans, The survey shall include but not limited to the following:

- Topographic and detailed survey of all project areas to be improved and surrounding areas to the extent required to integrate all new work with the existing conditions.
- An updated compilation of utility information using data to be provided by the town, combined with field survey and field observations including rim and invert information for utilities located within the project areas.
- Preparation of complete topographic and detail base plans at 1 inch = 20-foot scale, showing 1-foot contour intervals and spot grades at all visual elements and on a 50' grid in open areas.
- The base plan will be generated in the latest AutoCAD format and be suitable for use in the preparation of all designs, permit applications, and final contract and construction plans.

Survey will be based on Town of Plymouth and or NAVD88 - Massachusetts State Vertical Datum and NAD83 – Massachusetts State Plane coordinate system horizontal datum as required. The survey shall be minimally 20 scale to T-2 vertical and A-2 horizontal accuracy levels and depicts the topography at a 1-foot contour interval. The control is tied to North American Vertical Datum 88 and North American Datum 83 and contains at least two control points to be provided by the licensed surveyor for use by the contractor.

#### *Task 1b. | Geotechnical Engineering and Subsurface Investigation*

In conjunction with survey and the on-site investigation, Weston & Sampson will provide geotechnical and soil investigations and analysis to understand soil characteristics for soil bearing capacity of potential stormwater and design elements. The subsurface investigation will inform the structural engineering of foundations and the need for amending or removing existing soils to support the proposed improvement plan. Specifically, Weston & Sampson will prepare a subsurface exploration plan. Geotechnical borings will be completed to better understand the underlying conditions as they relate to construction of the proposed improvements. We will coordinate and commission a drilling contractor to conduct the boring. The drilling contractor will be responsible for contacting DigSafe prior to conducting fieldwork.

Based on the results of the field work, Weston & Sampson will prepare a geotechnical report and make recommendations regarding pavement design, excavation and earthwork, and netting footings. Weston and Sampson will field locate boring locations and commission a private utility locator to mark out subsurface utilities in the vicinity of the boring locations.

***Deliverable:*** A current existing conditions base survey plan map and an established benchmark from which commence the 25% schematic design. A comprehensive technical groundwater investigation memorandum performed by a certified soil evaluator and engineer that includes:

- 10 soil borings
- 3 groundwater wells
- 5 test pits comprised of falling head permeability tests at each pit

**Assumptions:** *Weston & Sampson assumes they will engage a qualified drilling subcontractor for up to two days during which we anticipate completing the drilling program as described above with a truck mounted drill rig and hollow stem auger and cased drive-and-wash drilling methods. Standard penetration tests will be split spoon at two-foot intervals through organic and fill materials. Our scope does not include rock coring.*

*We assume the town can support the test pit excavation by providing a town owned backhoe and operator to excavate and backfill the test pits up to 8-ft. depth. We assume two consecutive days for this effort. Should the Town want Weston & Sampson to engage a qualified contractor to provide the backhoe and operator in lieu of providing one, we anticipate a daily cost of approximately \$7,500.00 and able to provide a final fee to the Town for review. The cost of an outside contractor is not included in this scope and fee.*

## **Task 2 | Public Outreach and Project Meetings**

Working with the town, Weston & Sampson will tailor the public outreach approach specifically to the profile of the community. Specifically, we will coordinate with the town staff and other key stakeholders throughout the project duration or as determined by the town representatives. We will lead and participate in three (3) in-person or virtual community meetings to present three (3) conceptual design plans to arrive at one (1) preferred plan that is endorsed and approved by the town, community at large, and key stakeholders. Weston & Sampson recommends the use of an online survey to be tailored to achieve feedback that will guide and direct conceptual design and plan development.

### *Community Meeting No. 1*

We recommend the first public meeting should be an introduction of the project to the community and a listening session comprised of possible park improvement precedents, an existing site inventory and analysis summary, and question and answer session.

### *Community Meeting No. 2*

The second community meeting will be a culmination of the feedback from the online survey and the feedback received from the first community meeting. Weston & Sampson will present up to three (3) conceptual plans for consideration and feedback from the community.

### *Community Meeting No. 3*

The final community meeting will be the presentation of the preferred plan to the community. The objective of this last community meeting is to receive an endorsement from the community and confirm that all agreed upon program and improvements are meeting the expectations of the town staff, community, and other key stakeholders.

### *Project Meetings and Presentations*

For budgeting purposes, Weston & Sampson has budgeted fifteen (15) working meetings with town staff and or a working group. We anticipate the working group and or stakeholders to be comprised of personnel that can weigh in and make decisions that will support the town's objectives and confirm outstanding items that arise throughout the design phases.

Lastly, Weston & Sampson will attend, present, and lead up to two (2) selectboard or determined board or commission meetings total. We anticipate the objective of these meetings will be to receive an endorsement of the project from the selectboard or other boards or commissions as needed.

**Deliverable:** *Prepare, lead, and present the three (3) conceptual plans and one (1) preferred plan through the community engagement task as outlined above. We will also attend and lead fifteen (15) regular "working" project meetings and present at two (2) board or commission meetings total. Throughout the community engagement and other meetings where presentations are required to convey the essence of the project, Weston & Sampson will prepare:*



- One (1) community survey
- High quality illustrations and up to three (3) 3D perspective illustrations
- PowerPoint or equal presentation slides
- Meeting minutes that document the discussions and comments during the meeting
- Project summary and associated materials (graphics, presentation, feedback) for the town website if desired.

### **Task 3. | Schematic Design Plans (25% Design)**

Under this effort, Weston & Sampson will provide 25% level design plans and budget estimates to advance the previously prepared conceptual design plans. See Task 2 above. The primary purpose of this effort will be to refine the site conceptual design, including athletic field and court sizes, playground, parking options, rink dimensions, and other elements determined by both the Town staff and through the public process.

Weston & Sampson shall work with the town to prepare a preferred plan in collaboration with all design elements resulting from agreed upon and endorsed input.

Building on the town-endorsed feedback of the design program, Weston & Sampson will finalize the 25% level design documents including plans, details, outline specifications and construction cost estimates for the designated improvement program. Weston & Sampson will coordinate with town staff to ensure that all design, construction details and specifications comply with town standards and/or town expectations.

#### ***Deliverable: 25% Level Design Plan Set including:***

- Existing Conditions Site Plan
- Overall Proposed Improvements Site Plan including resource area boundaries and setbacks, public access, and proposed site amenities
- 20-scale plans, including:
  - Materials and Layout Plans
  - Grading and Utilities Plan
  - Planting Plans
- Standard construction details for drainage improvements, pavement types and profiles, synthetic and natural turf fields
- Outline specifications
- Stormwater technical memorandum and report (simplified) that includes:
  - Stormwater evaluation and analysis
  - BMPs to improve water quality
  - Stormwater controls by phase
- A detailed construction opinion of probable cost based on the 25% design plan

### **Task 4 | Design Development Plans (75% Design)**

Building upon the 25% completed design plans identified in Task 3 above and received review comments from the town staff and others via the working group. It is with this 75% deliverable that we would anticipate any local permitting and approvals, if needed would be achieved. Please note that currently, we are unaware of any local, state, or federal environmental resource triggers and therefore have not included environmental permitting within this scope of work. We will be able to support any local permitting approvals, i.e., planning and or building departments, using the 75% Design Plans. Weston & Sampson will commence and complete 75% design plans including:

#### ***Deliverable: 75% Level Design Plan Set including:***

- Cover Sheet
- General Notes and Legends
- Existing Conditions Site Plan
- Overall Proposed Improvements Site Plan including resource area boundaries and setbacks, public

- access, and proposed site amenities
- 20-scale plans, including:
  - Materials and Layout Plans
  - Grading and Utilities Plan
  - Planting Plans
- Construction details for drainage improvements, pavement types and profiles.
- Table of Content / Outline specifications
- Opinion of probable cost

#### **Task 5 | – Final Contract Plans (100% Design)**

Weston & Sampson will provide bid ready 100% level design plans and final opinion of probable estimates for bidding and construction purposes. Weston & Sampson will coordinate with town staff to ensure that all design, construction details and specifications comply with town and state standards and/or town expectations.

***Deliverable:*** 100% Level Design Plan Set including:

- Cover Sheet
- General Notes and Legends
- Existing Conditions Site Plan
- Overall Proposed Improvements Site Plan including resource area boundaries and setbacks, public access, and proposed site amenities
- Phase Plan
- 20-scale plans, including:
  - Materials and Layout Plans
  - Grading and Utilities Plan
  - Planting Plans
- Enlargement Plans as warranted to convey detail and information necessary for construction
- Construction details for drainage improvements, pavement types and profiles, athletic fields and courts fields, fencing, planting, etc.
- Final technical specifications
- A final construction opinion of probable cost based on the 100% design plans.

**Exclusions:** Currently, Weston & Sampson does not include the following services. However, if the town desires to receive a proposal for these services, we can provide one for your consideration.

- Topsoil analysis for turf growth
- Irrigation Design
- Environmental permits
- Traffic engineering and analysis
- Boiler plate “front end” contract specifications.
- Bidding Assistance
- Construction Administration

#### **Fee for Scope of Services**

We are committed to providing the highest level of service at the most affordable cost. We welcome the opportunity to negotiate adjustments to our fee schedule in any way that serves the best interests of both parties. To complete the Professional Services outlined above, we propose a lump sum fee as indicated in the chart below.



Design Task	Lump Sum Fee
<b>Task 1   Conceptual Design</b>	
Task 1a   Topographic Survey	\$ 18,600
Task 1b   Geotechnical Engineering and Subsurface Investigation	\$ 28,200
Task 2   Public Outreach and Project Meetings	\$ 28,800
Task 3   Schematic Design Plans (25% Design)	\$ 30,000
Task 4   Design Development Plans (75% Design)	\$ 60,000
Task 5   Final Contract Plans (100% Design)	\$ 38,000
<b>Total Fee</b>	<b>\$ 203,600</b>

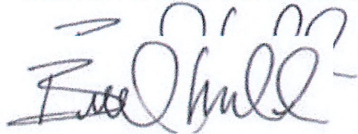
#### NOTICE TO PROCEED

Weston and Sampson is prepared to initiate the above scope of work immediately upon receipt of your written Notice to Proceed. The work will be performed in accordance with our standard terms and conditions which will be provided prior to final contract approval. We look forward to the opportunity to work on this program. If you have any questions on this scope of work, please do not hesitate to contact us at (857)-415-3891.

Please sign the Notice to Proceed below and email to [kunkelb@wseinc.com](mailto:kunkelb@wseinc.com) if this proposal is acceptable to you.

Sincerely yours,

WESTON & SAMPSON ENGINEERS, INC.



Brandon Kunkel, RLA  
Sr. Associate | Landscape Architecture

ACCEPTED FOR:

Town of Plymouth By:



Nicholas Faiella | Parks and Forestry Superintendent

Date



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <span style="font-size: 1.2em;">Parks and Forestry</span>	<b>Priority #:</b>	<span style="font-size: 1.5em;">3</span> <sup>4</sup>
<b>Project Title and Description:</b> <span style="font-size: 1.2em;">One Ton Truck - New</span>	<b>Total Project Cost:</b>	<span style="font-size: 1.2em;">\$137,053.00</span>

**Department/Division Head:** Nick Faiella

**Check if project is:**    New ☒    Resubmitted ☐      **Cost estimate was developed:** Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$114,211.00		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>	\$22,842.00	20% increase for cost increase			
<b>Total Capital</b>	\$137,053.00				

**Project Justification and Objective:** Please see attached

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

N/A

**What is the expected lifespan of this new/replacement equipment:** 10 Years

**Attach backup information, estimates, or justification to support this request.**



### Priority #3

#### One-ton Truck

Approving this article would fund a new one-ton truck, to be added to the Parks and Forestry fleet, to allow a vehicle for the proposed new initiatives (two new parks employees). The truck would include a dump body, plow, and a sander.

Attachments: Quote for new one-ton truck.

COLONIAL FORD INC  
11 PILGRIM HILL ROAD  
PLYMOUTH, MA 02360  
508-746-3400

MOTOR VEHICLE  
PURCHASE CONTRACT  
For Consumer Use Only  
DEAL#: 0095043  
CUST#: 245072

DATE 09/09/2025		STOCK NO. <b>T.B.D.</b>		SALES PERSON GEORGE ANDRUK		BUYER'S E-MAIL ADDRESS rrgazzini@plymouth-ma.gov	
PURCHASER'S NAME TOWN OF PLYMOUTH				CO-PURCHASER'S NAME		BUYER LIC#	
ADDRESS 159 CAMELOT STREET				ADDRESS		BUYER D.O.B.	
CITY PLYMOUTH, MA 02360		STATE MA		CITY PLYMOUTH, MA 02360		STATE MA	
TELEPHONE HOME 508-789-8071 BUSINESS 508-789-8071				TELEPHONE HOME BUSINESS		BUYER2 D.O.B.	
NEW <input checked="" type="checkbox"/> FORMER USE <input type="checkbox"/> DEMONSTRATOR <input type="checkbox"/>		FORMER DAILY RENTAL <input type="checkbox"/>		SOURCE			
USED <input type="checkbox"/> (IF APPLICABLE) FORMER LEASE <input type="checkbox"/>		OTHER <input type="checkbox"/>					
YEAR 2025		MAKE FORD		MODEL F350 SUPER DUTY		BODY TYPE DUMP BODY	
MODEL NO F3H		TRANS: AUTO <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/>		CYL 8		PASS 2	
DOORS 3		VIN. <b>T.B.D.</b>		COLOR GEM GREEN		ODOMETER 3	
EXPECTED DELIVERY DATE 09/05/2025							
TRADE-IN YEAR MAKE MODEL V.I.N. ODOMETER TRANSMISSION CYL PASS DOORS TITLE # STATE		WARRANTY INFORMATION <input type="checkbox"/> This vehicle carries an express warranty. You may obtain a copy of such warranty from the dealer upon request. Initial [ ] <input type="checkbox"/> This vehicle does not carry an express warranty. Initial [ ] (Initial Applicable Statement)		Fuel Type: Gasoline <b>Diesel</b> Electric Propane Hybrid Other		SALE PRICE 113716.00	
I certify that the above described trade-in vehicle has a valid Motor Vehicle Title and is not a Salvage Title. Purchaser's Initials [ ]		REGISTRATION FEE, TITLE FEE & SALES TAX Application for Massachusetts Title <input type="checkbox"/> Application for Registration New <input type="checkbox"/> Transfer <input type="checkbox"/> Registration #		SECURITY SYSTEM			
LIENHOLDER ADDRESS CITY/STATE/ZIP ACCT # BALANCE DUE NA PAYOFF GOOD UNTIL		Registration Fee \$ NA Title Fee \$ NA Mass. Sales Tax \$ NA TOTAL \$ NA		ADDITIONAL ITEMS 3-4 YARD DUMP LOAD COVER 8'6" SS XV2 3 YARD SANDER 4 STROBES 36" TOOLBOX BACK UP CAM H/D PINTLE HTCH			
INS. AGENT ADDRESS CITY/STATE/ZIP TELEPHONE FAX		Purchaser consents to the selling dealer affixing dealership insignia, logo or other plate that advertises the name of the seller on the above described motor vehicle. Purchaser's Initials [ ]		1. TOTAL PRICE 113716.00			
In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of \$ NA may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me. Purchaser's Initials [ ]				2. CREDIT/OVER ALLOW. 3. TRADE-IN ALLOWANCE 4. REBATE 5. REBATE			
THIS CONTRACT IS NOT BINDING UPON EITHER DEALER OR PURCHASER UNTIL SIGNED BY DEALER OR ITS AUTHORIZED REPRESENTATIVE. PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL HE/SHE RECEIVES A COPY OF THIS SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.				6. NET BALANCE (Line 1 - Line 2+3+4+5) 7. *MASS SALES TAX (6.25% of Line 6+9) 8. REGISTRATION & TITLE 9. DOCUMENTATION FEE 10. MASS INSPECTION 11. EXTENDED SERVICE CONTRACT 12. OTHER		113716.00 495.00	
The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into. IF THIS AGREEMENT IS FOR A USED VEHICLE, THE INFORMATION YOU SEE ON THE (FEDERAL TRADE COMMISSION) WINDOW FORM IS PART OF THIS AGREEMENT. INFORMATION ON THE WINDOW FORM OVERRIDES ANY CONTRARY PROVISIONS IN THE CONTRACT OF SALE. Purchaser represents and warrants that no credit other than that stated above has been extended to him/her by dealer. Purchaser represents and warrants that she has read and understands the materials printed on this motor vehicle purchase contract. Purchaser acknowledges receipt of a signed copy of this motor vehicle purchase contract.		Sales Tax amount is included in right hand column only when dealership check is issued in payment of Massachusetts Sales Tax Purchaser's Signature NA <i>George Andruck</i> APPROVED AUTHORIZED DEALER REPRESENTATIVE		13. TOTAL CONTRACT PRICE (Total of lines 6 through 12) 14. BALANCE DUE ON TRADE-IN 15. TOTAL (Line 13 + 14) 16. DEPOSIT 17. AMOUNT TO BE FINANCED 18. CASH DUE ON DELIVERY 19. TOTAL PAYMENT (Total of lines 16 through 18, must equal 15)		114211.00 114211.00	





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST FORM**  
**FY27 ANNUAL TOWN MEETING REQUEST FORM**

<b>Department:</b> <b>SEWER DIVISION</b>		<b>ONE</b>
<b>Project Title and Description:</b> <b>CMOM Repairs</b>	<b>Total Project Cost:</b>	<b>\$1,200,000.00</b>

**Department/Division Head:** Doug Pinard

**Cost estimate was developed:** Internally ☒ Externally ☐

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	O & M
<i>Planning and Design</i>			<i>FY27</i>	\$1,200,000.00	
<i>Labor and Materials</i>	\$1,000,000.00		<i>FY28</i>	\$1,000,000.00	
<i>Administration</i>			<i>FY29</i>	\$600,000.00	
<i>Land Acquisition</i>			<i>FY30</i>	\$600,000.00	
<i>Equipment</i>			<i>FY31</i>	\$600,000.00	
<i>Other</i>					
<i>Contingency</i>	20%				
<b>Total Capital</b>	<b>\$1,200,000.00</b>				

**Possible sources and amounts of funding, if known:**

**Project Justification and Objective:** \_\_Capacity, Management, Operations and Maintenance program. A CMOM program is an information – based program to effectively run a collection system and help lower the risk of National Pollutant Discharge Elimination System (NPDES) permit violation and discharge permit. This will be to address issues found during inspections.

### For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the next 5 Year Plan Yes ☐ No ☒

Can this project be phased over more than one fiscal year? Yes ☐ No ☒

### For Capital Equipment Requests:

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

--

**Attach additional information, estimates, or justification.**

**Phase 3 CMOM 2024 Program**  
**Town of Plymouth, Massachusetts**  
**Opinion of Probable Cost Estimate dated March 2025**

Cost Summary (LoF ≥ 5)					
Item	Item Description	Unit	Unit Price	Quantity	Cost
1a	Cutting Protruding Taps (VC/PVC)	ea	\$ 200.00	36	\$ 7,200.00
1b	Cutting Protruding Taps (AC/CI/DI/CMP)	ea	\$ 600.00	4	\$ 2,400.00
2a	Light Cleaning	lf	\$ 4.00	11254	\$ 45,016.00
2b	Heavy Cleaning	lf	\$ 5.00	5627	\$ 28,135.00
3a	Chemical Root Treatment	lf	\$ 7.00	914	\$ 6,400.80
3b	Mechanical Root Treatment	lf	\$ 10.00	610	\$ 6,096.00
4a	CIPP Continuous Liner	lf	\$ 50.00	3694	\$ 184,700.00
4b	CIPP Short Liner	ea	\$ 3,000.00	18	\$ 54,000.00
5	Lateral Sealing	ea	\$ 350.00	40	\$ 14,000.00
				Subtotal	\$ 347,947.80
Cost Summary (SMHs with Condition Grade ≥4)					
Item	Item Description	Unit	Unit Price	Quantity	Cost
1	Manhole Severity - 5	ls	\$ 23,275.00	1	\$ 23,275.00
2	Manhole Severity - 4	ls	\$ 302,375.00	1	\$ 302,375.00
	See Attached Vitals Report				\$ 325,650.00
				Subtotal	\$ 325,650.00
				Total <sup>1</sup>	\$ 673,597.80

**Notes:**

- 1: The total cost listed does not include costs for mobilization/demobilization, police details, traffic controls, and other miscellaneous work items.
2. The total cost listed does not include the costs for design, bidding, construction admin, or RPR services.

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
126	667	NICK ROCK RD	920	919	5.3	269.5	27.9	FM				241	
							73.4	BSV					
							85.3	RFJ			132.6		
							164.5	FM					
							167.7	FM					
							185.5	FM					
							189.5	FM					
							199.9	HSV					
							203.8	FM					
							217.9	RFJ					
							217.9	FM					
							239.8	FM					
							268.9	BSV					
156	1755	SOUTH CHERRY ST	910	111	5.3	300.2	52.7	FM				112.5	
							144.8	RFJ			44.6		
							165.2	HSV					
							189.4	RFJ					
							231.3	HSV				44.1	
							275.4	HSV					
349	4997	MARKET ST	681	680	5.3	188.2	28.1	BSV				20.2	
							40.1	HSV					
							48.3	HSV					
25	575	HALL ST	705	706	5.2	299.1	11.6	RFJ			34.8		
							17.4	RFJ					
							26	FM				24	
							46.4	RFJ					
							50	BSV				5	
							50	FM					
							55	FM					
							98.9	TBI		1			
							116.4	RFJ			86.6		
							118.1	BSV				151.3	
							120.6	FM					
							147.5	RFJ					
							194.2	FM					
							203	RFJ					
							269.4	FM					



Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
27	1194	RUSSELL AVE	558	559	5.2	438.2	34.6	FM				42	
							76.6	BSV					
							83.8	TBI		1			
							138.4	TBI		1			
							272.1	FM				49.2	
							321.3	FM					
							337.7	HSV				55.7	
							344.4	TBI		1			
							351.3	TBI		1			
41	1877	MUSTER FIELD	731	732	5.2	252.6	393.4	FM					
							2	FM				66	
							13.1	FM					
							28.8	FM					
							44	FM					
							68	FM					
							114.4	RMJ			65.1		
							121.4	BSV				119.5	
							126.3	BSV					
							139.3	TBI		1			
							179.5	RMJ					
							240.9	BSV					1
89	1186	HAMILTON ST	889	886	5.2	298	246	TBI		1			
							26	TBI		1			
							27.5	RFJ			74.8		
							48.1	TBI		1			
							73.6	RFJ					
							75.3	RBL					
							84.8	RFJ					
							94.1	RFJ					
							102.3	RFJ					
							203.5	HSV				79.3	
157	8327	CHERRY ST	111	2586	5.2	101	213.7	TBI		1			
							282.8	HSV					
							5	FM				43.2	
							5	HSV					
							16.5	FM					
							23.8	TBI					
							28	HSV					
							48.2	FM					

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
312	4629	LEYDEN ST	END OF PIPE	2580	5.2	255.6	66.6	FM				188.8	
							223.8	HSV					
							255.4	BSV					
1	2103	WATER ST	445	1098	5.1	267.1	263.1	HSV					1
11	2102A	WATER ST	UNKNOWN	445	5.1	7.7	6.6	HSV					1
13	1785	GOULD RD	713	712	5.1	461.3	34.1	TBI		1			
							58.1	FM					1
							73.4	TBI		1			
							110.7	RFJ			22.6		
							133.3	RFJ					
							152.3	TBI		1			
							179	TBI		1			
							219	FM					1
							301.1	TBI		1			
							323	HSV				133.7	
							323.2	FM					
							456.7	FM					
15	1787	OLMSTED TER	711	712	5.1	312	63.2	RFJ			183.8		
							131.7	TBI		1			
							141.1	RFJ					
							189.5	RFJ					
							222	RFJ					
							224.7	RFJ					
							247	RFJ					
							270.6	TBI		1			
							271.1	HSV				36.9	
							307	RFJ			5		
							308	FM					

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
16	1545	OLMSTED TER	712	714	5.1	369	34.7	FM				8.2	
							42.9	FM					
							47.2	RFJ			20		
							53.1	RFJ					
							65.2	RFJ					
							67.2	RFJ					
							83.8	FM				189.7	
							89.8	HSV					
							163.5	FM					
							273.5	FM					
							291.7	RFJ			8.9		
							297.7	RFJ					
							300.6	RFJ					
							308.9	FM					1
							325.6	RFJ			21.7		
							347.3	RMJ					
17	2201	STANDISH CT	1334	1313	5.1	135.4	2	RFJ			132.5		
							74.9	RBL					
							134.5	RFJ					
							134.7	TBI		1			
21/22	1537	HALL ST	702	703	5.1	92.3	47.9	TBI		1			
							48.6	TBI		1			
23	1539	HALL ST	703	704	5.1	219	86.3	BSV				23.1	
							109.4	FM					
							210.8	RFJ					
39/40	1879	MUSTER FIELD	1226	731	5.1	242.5	36.6	FM				25.2	
							61.8	FM					
							77.7	TBI		1			
							103.4	FM					1
							174.4	TBI		1			
							176.6	BSV				52.7	
							229.3	FM					
43	1875	MUSTER FIELD	733	734	5.1	232	8.7	FM				222	
							78.8	BSV					
							230.7	FM					
68	587	BOUNDARY ST EASEMENT	771	770	5.1	351.3	46.7	RFJ			26.7		
							73.4	RFJ					
							132.5	HSV					1
							346.6	RFJ			5		



Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
75	4949	CORDAGE PARK	1535A	1535	5.1	159	45.2	FL				21	
							61.3	HSV					
							66.2	HSV					
							93.2	TBI		1			
79	4965	CORDAGE PARK EASEMENT	1538	1549	5.1	200.8	71.4	HSV					1
							98.2	RFJ			2		
							100.3	RFJ					
80	4951	CORDAGE PARK EASEMENT	1536A	1538	5.1	22.7	1.2	RMC				21.5	
							22.7	BSV					
94	1902	GRASSHOPPER LN EASEMENT	849	850	5.1	100.1	2.5	RFJ			96.1		
							49.3	RBB					
							98.6	RFJ					
102	4966	CORDGE PARK EASEMENT	774A	1549	5.1	103	86.1	HSV					1
137	1696	CORDAGE TERRACE	908	907	5.1	100.9	0	BVV				96.7	
							3.5	BVV					
							26	FM					
							32.1	FM					
							78.2	RFJ			118.5		
							94.6	RFJ					
							96.7	RFJ					
138/139	1697	CORDAGE TERRACE	907	903	5.1	475	5	RFJ				12.7	
							17.7	FM					
							105.8	TBI		1			
							132.7	RFJ				69.6	
							142.7	RFJ					
							178.5	RFJ					
							178.9	RFJ					
							202.3	RFJ					
							226.5	TBI		1			
							229.3	FM				103.3	
							332.6	FM					
							401.8	TBI		1			
							451	RFJ					
							456.8	FM				6.2	
							459.3	RFL					
							463	FM					
							463.3	RMJ			19		
							470	RFJ					

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
140	1187	CORDAGE TERRACE	903	904	5.1	532	53.6	FM				20	
							73.6	FM					
							102.5	TBI		1			
							105.6	HSV				220.2	
							212.7	RFJ			86.4		
							222.6	RFJ					
							296.1	FM					
							299.1	RFJ					
							325.8	FM					
146	1818	CORDAGE ST	860	863	5.1	201	33.6	HSV					1
147	1820	CORDAGE ST	863	862	5.1	98.6	8.3	BSV				26.4	
							34.7	FM					
							35.4	TBI		1			
158	33	CHERRY ST	2586	112	5.1	129.6	110.3	HSV					1
193	2212	STANDISH AVE	2590	906	5.1	72.8	71.7	HSV					1
199	1534	CENTENNIAL ST	938	939	5.1	163.6	0	FM				48.3	
							39.6	FM					
							48.3	HSV					
							56.7	TBI		1			
201/202	1532	CENTENNIAL ST	939	940	5.1	239	20.9	TBI		1			
							26	FM					1
212	40	STANDISH AVE	121	123	5.1	408.3	61.8	TBI		1			
							291.4	FM				14.9	
							294.8	FM					
							306.3	HSV					
219	1307	COURT ST	557	709	5.1	300.6	103	FM				47.7	
							127.5	FM					
							143.6	FM					
							150.7	TBI		1			
							150.7	HSV					
239	2077	COURT ST	886	741	5.1	142.2	26	FM				57.3	
							42.9	FM					
							48	FM					
							77.2	BSV					
							83.3	BSV					

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
258/259	1852	HOLMES TERRRACE	740	739	5.1	311	5	RFJ			283.7		
							8.9	RFJ					
							10.6	RFJ					
							39.8	RBL					
							48.6	RFJ					
							49	RBB					
							100.3	RBB					
							100.8	RFJ					
							288.7	RFJ					
260/261	1866	HOLMES TER	739	738	5.1	330	16.1	TBI		1			
							240.7	RFJ			53.3		
							271.3	TBI		1			
							324	RFJ					
267/268	28	CHERRY ST	106	109	5.1	488	37.6	TBI		1			
							411	FM				25.7	
							436.7	FM					
273	1522S	NOOK RD	3085S	3085M	5.1	36	35.6	HSV					1
310	4107	SPRING ST TO MARKET ST	414	413	5.1	262.7	20.2	HSV					1
311	279	EMERALD ST	END OF PIPE	405	5.1	62.6	15.9	HSV					1
							60.7	TBI		1			
332	2585	COURT ST	818	823	5.1	301.6	39.8	RFJ				259.3	
							40.9	FL					
							139.2	RFJ					
							214.5	RBB					
							217.3	RMJ					
							242.6	RMJ					
							270.5	RFJ					
							299.1	RFJ					
334	7409	SOUTH POND RD	2070	215	5.1	182.6	33.4	HSV					1
							83.2	TBI		1			



Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Pipe Deficiencies

InspectionID	Pipe Segment Reference	Street	Upstream MH	Downstream MH	Likelihood of Failure (LOF)	Total_Length (LF)	Starting Distance	Defect Code <sup>1</sup>	Point Repair (#)	Tap Break Intruding (#)	Root Length (LF)	Cont. Liner (LF) <sup>2</sup>	Short Liner # <sup>3</sup>
Pipe Summary (LoF ≥ 5)													
20	1546	OLMSTED TER	714	1118	5	488.9	15.3	FM				466.9	
							34.1	FM					
							132.7	FM					
							138.7	FM					
							236.2	FM					
							237.7	TBI		1			
							239.1	FM					
							381.7	FM					
							469.8	FM					
482.2	FM												
42	1874	MUSTER FIELD	732	733	5	249.8	4.5	FM				242.8	
							26.7	FM					
							68	TBI		1			
							247.3	FM					
Totals						11,254	37,896	--	-	40	1,524	3,694	18

Notes:

- 1: Defect codes are limited to those that represent fractures, taps intruding, point repairs, and roots. The
- 2: Continuous liner is calculated by length between fractures.
- 3: Short liner's are calculated for spot repairs under 3 LF.

Phase 3 CMOM 2024 Program  
Town of Plymouth, Massachusetts  
Manhole Vitality Report

ID	Requested_MH_IDs	Primary Material	Approx Depth (ft)	Surface Type	Address	Severity	Note	No Repairs Recommended at this Time	1-inch Cementitious Lining	Reform Bench/Ch annel	Replace Manhole	Rebuild Chimney	Clean Debris/Grease	Replace Frame/Cover	Internal Chimney/Frame Seal	Grout Chimney	Grout Patch	Inflow Collector	Inject Joint	Inject Grout	Inject Pipe Connection	Reset Frame	Budget
3	SMH-03	Brick	12.4	Asphalt	WATER STREET	5	Missing brick and mortar in manhole. Potential safety issue. Infiltration in wall.																\$9,000
126	SMH-126	Conc	4.92	Asphalt	COURT STREET	5	Damage at pipe crossing. Pipe through manhole verify if pipe is potable water or sewer, reroute if necessary.		X														\$1,837.50
131	SMH-131	Conc	6.84	Asphalt	HEDGE ROAD	5	Pipe through manhole		X														\$2,437.50
1339	SMH-1339	Brick	9.6	Asphalt	COURT STREET	5	Hole in bottom					X											\$9,000
831	SMH-831	Brick	3.58	Asphalt	SPOONER STREET	5	Channel Broken			X													\$1,000
5	SMH-05	Conc	19.1	Asphalt	WATER STREET	4	Frame corroded. Infiltration in chimney and wall		X			X			X								\$9,812.50
5A	SMH-5A	Conc	22.7	Asphalt	CHITON STREET	4	Infiltration in chimney							X	X								\$3,700
102	SMH-102	Conc	11.1	Asphalt	PLYMOUTH ROCK TERRACE	4	Infiltration at pipe connection, aggregate visible		X								X						\$4,162.50
105	SMH-105	Conc	6.76	Asphalt	CHERRY STREET	4	Reinforcement visible		X														\$2,512.50
1065	SMH-1065	Conc	10.1	Grass/ Dirt	CHERRY STREET	4	Increased roughness, lining delaminated		X														\$3,825
1066	SMH-1066	Conc	6.1	Grass/ Dirt	CHERRY STREET	4	Linking delaminating, roots, corroded frame							X	X								\$4,787.50
1067	SMH-1067	Conc	4.4	Grass/ Dirt	CHERRY STREET	4	Aggregate missing, lining delaminating, corroded frame		X						X								\$4,187.50
1068	SMH-1068	Conc	5.58	Grass/ Dirt	CHERRY STREET	4	Aggregate missing, lining delaminating, corroded frame								X								\$4,525
1069	SMH-1069	Conc	4.6	Grass/ Dirt	CHERRY STREET	4	Aggregate missing, lining delaminating, corroded frame, possible reinforcement visible		X						X								\$4,225
1070	SMH-1070	Conc	4.62	Asphalt	CHERRY STREET	4	Aggregate missing, corroded frame, spalling		X														\$4,300
1071	SMH-1071	Conc	9.2	Grass/ Dirt	CHERRY STREET	4	Aggregate missing, lining delaminated, corroded frame		X						X								\$5,950
1072	SMH-1072	Conc	5.46	Grass/ Dirt	CHERRY STREET	4	Lining delaminating, corroded frame, aggregate visible								X								\$4,525
1073	SMH-1073	Conc	8.4	Grass/ Dirt	CHERRY STREET	4	Corroded frame, lining delaminating, aggregate visible																\$3,150
1074	SMH-1074	Conc	5.44	Grass/ Dirt	CHERRY STREET	4	Aggregate missing, lining delaminated		X														\$2,400
1075	SMH-1075	Conc	11.2	Grass/ Dirt	CHERRY STREET	4	Increased roughness, lining delaminating								X								\$6,275
1076	SMH-1076	Conc	8.3	Grass/ Dirt	CHERRY STREET	4	Increased roughness, infiltration, lining delaminating																\$3,112.50
1077	SMH-1077	Conc	9.86	Grass/ Dirt	CHERRY STREET	4	Lining delaminated, aggregate missing		X														\$3,750
1141	SMH-1141	Conc	9.46	Grass/ Dirt	MURRAY STREET	4	Corroded frame, roots, reinforcement visible, infiltration at pipe connection		X						X								\$6,100
1242	SMH-1242	Conc	6.32	Asphalt	NORTH SPOONER STREET	4	Roots, Aggregate projecting		X														\$2,417.50
1313	SMH-1313	Conc	4.46	Asphalt	STANDISH COURT	4	Roots, aggregate visible, missing bricks in chimney																\$1,687.50
1334	SMH-1334	Conc	5.18	Asphalt	STANDISH COURT	4	Missing mortar and bricks in chimney								X								\$1,350
1336	SMH-1336	Conc	3.58	Asphalt	PRINCE STREET	4	Missing mortar in chimney, damage at joint, roots		X														\$1,350
1408	SMH-1408	Conc	5.9	Grass/ Dirt	LOIS STREET	4	Roots		X	X													\$3,025
1502	SMH-1502	Conc	5.36	Asphalt	GORDON COURT	4	Roots		X														\$1,987.50
1503	SMH-1503	Conc	8.86	Gravel	GORDON PLACE	4	Roots, missing mortar in channel		X	X													\$4,337.50
1533	SMH-1533	Conc	13.66	Grass/ Dirt	COURT STREET	4	Roots, corroded frame, aggregate visible		X					X									\$7,600
1538	SMH-1538	Conc	8.5	Asphalt	CORDAGE PARK	4	Roots, corroded frame, aggregate visible					X											\$9,000
1540	SMH-1540	Conc	8.7	Grass/ Dirt	CORDAGE PARK	4	Roots, IS		X														\$3,000
1545	SMH-1545	Conc	7.24	Grass/ Dirt	COURT STREET	4				X						X							\$2,200
1546	SMH-1546	Conc	13.9	Gravel	CORDAGE PARK	4	Standing water. Evidence of high surcharge						X										\$500
1660	SMH-1660	Asphalt	13.74	Asphalt	ATLANTIC AVENUE	4	Roots, missing mortar, reinforcement visible in small spots		X	X													\$2,475
1692	SMH-1692	Brick	5.88	Asphalt	NORTH SPOONER STREET	4	SAV, Roots		X	X													\$2,287.50
2540	SMH-2540	Brick	6.22	Asphalt	FOREST AVENUE EXTENSION	4	Missing/Displaced bricks		X				X										\$2,475
2587	SMH-2587	Asphalt	2.88	Asphalt	OFF CHERRY STREET	4	No channel, roots		X	X													\$2,087.50
282	SMH-282	Brick	6.2	Asphalt	WINTER STREET	4	Missing mortar, infiltration		X														\$2,325
291	SMH-291	Brick	5.7	Grass/ Dirt	MOUNT PLEASANT STREET	4	Roots		X														\$2,175
3002	SMH-3002	Conc	7.28	Asphalt	SOUTH PARK AVENUE	4	Reinforcement visible circumference of manhole																\$2,737.50
3003	SMH-3003	Conc	7.24	Grass/ Dirt	WELLSINGLY AVENUE	4	Roots																\$2,737.50
3124	SMH-3124	Conc	11.88	Asphalt	SPOONER STREET	4	Small hole in channel			X													\$1,000
3126	SMH-3126	Conc	9.92	Grass/ Dirt	INDUSTRIAL PARK ROAD	4	Roots, corroded frame		X					X									\$6,250
3128	SMH-3128	Conc	8.12	Grass/ Dirt	ARIELLO 11 ROAD	4	Roots		X														\$3,150
3131	SMH-3131	Conc	7.78	Asphalt	DAVIS ST	4	standing water, no bench or channel visible			X													\$1,400
3132	SMH-3132	Conc	8.84	Asphalt	HIGHLAND PL	4	Standing water in channel, no visible bench or channel			X	X												\$1,600
3133	SMH-3133	Asphalt	3.66	Asphalt	ALLERTON ST	4	Missing mortar		X														\$1,100
3153	SMH-3153	Conc	18.1	Asphalt	SAMOSSET ST	4	Reinforcement visible at bottom, infiltration in chimney								X								\$1,600
3164	SMH-3164	Conc	9.72	Grass/ Dirt	INDUSTRIAL PARK ROAD	4	Missing mortar chimney, roots, aggregate visible		X														\$3,675
3277	SMH-3277	Conc	11	Grass/ Dirt	SANDWICH	4	Roots									X							\$4,125
436	SMH-436	Conc	10.78	Grass/ Dirt	SPRING LANE	4	Roots, aggregate visible		X														\$4,050
47	SMH-47	Conc	2.7	Asphalt	BOURNE STREET	4	Below grade in asphalt																\$3,012.50
559	SMH-559	Brick	8.78	Asphalt	RUSSELL AVENUE	4	Roots, missing mortar		X	X													\$4,300
573	SMH-573	Conc	17.3	Asphalt	WATER STREET	4	Aggregate visible, infiltration at multiple connections, significant infiltration at pipe with plug		X									X					\$7,275
644A	SMH-644A	Conc	7.1	Asphalt	BILLINGTON STREET	4	Chimney missing bricks		X														\$2,662.50
659	SMH-659	Brick	5.96	Asphalt	BILLINGTON STREET	4	Roots, missing mortar		X														\$2,287.50
660	SMH-660	Brick	4.2	Grass/ Dirt	BILLINGTON STREET	4	Roots																\$1,575
662	SMH-662	Brick	5.56	Grass/ Dirt	BILLINGTON STREET	4	Roots, large rock in channel		X														\$2,100
663	SMH-663	Brick	5.02	Asphalt	BILLINGTON STREET	4	Roots		X														\$1,912.50
664	SMH-664	Brick	6.86	Asphalt	BILLINGTON STREET	4	Roots, missing mortar		X														\$2,662.50
720	SMH-720	Brick	6.7	Grass/ Dirt	KNAPP TERRACE	4	Roots, infiltration, corroded frame		X														\$2,550
728	SMH-728	Brick	6.5	Grass/ Dirt	ROBBINS ROAD	4	Roots in channel		X	X													\$3,475
729	SMH-729	Brick	10.4	Grass/ Dirt	ROBBINS ROAD	4	Roots		X	X													\$4,900
735	SMH-735	Brick	7.24	Grass/ Dirt	HOLMES TERRACE	4	Roots		X														\$2,700
738	SMH-738	Brick	7.2	Asphalt	HOLMES TERRACE	4	Roots		X														\$2,700
739	SMH-739	Brick	8.06	Asphalt	HOLMES TERRACE	4	Roots, infiltration, damage to bench/channel		X	X													\$4,037.50
740	SMH-740	Brick	6.8	Asphalt	HOLMES TERRACE	4	Roots at connection		X														\$2,587.50
741	SMH-741	Brick	19.4	Asphalt	COURT STREET	4	Roots and Infiltration		X														\$7,312.50
742	SMH-742	Brick	26.4	Asphalt	HEDGE ROAD	4	Roots, frame broken near bottom																\$7,650
748	SMH-748	Conc	24.32	Grass/ Dirt	HEDGE ROAD	4	Roots at connection, roots and corrosion at frame							X						X			\$2,850
771	SMH-771	Brick	3.1	Asphalt	BOUNDARY STREET	4	Upstream pipe abandoned.		X				X										\$1,425
784	SMH-784	Brick	6.3	Grass/ Dirt	BOUNDARY STREET	4	Roots, aggregate projecting in channel		X	X													\$3,325
793	SMH-793	Brick	7.12	Asphalt	NORTH SPOONER STREET	4	Missing mortar, aggregate visible, damage to channel		X	X													\$1,662.50
794	SMH-794	Brick	4.62	Grass/ Dirt	NORTH SPOONER STREET	4	Missing mortar, roots		X														\$1,762.50
796	SMH-796	Brick	6.8	Asphalt	NORTH SPOONER STREET	4	Infiltration, missing mortar in wall and channel, potential hole in channel		X	X													\$3,587.50
797	SMH-797	Brick	6.5	Asphalt	NORTH SPOONER STREET	4	Missing mortar		X														\$2,417.50
804	SMH-804	Brick	4.62	Asphalt	SEAVIEW STREET	4	Roots, missing mortar channel		X	X													\$2,725
805	SMH-805	Brick	5.26	Grass/ Dirt	SEAVIEW STREET	4	Roots, infiltration, missing mortar in channel and walls		X	X													\$2,987.50
806	SMH-806	Brick	6.72	Asphalt	SPOONER STREET	4	Missing mortar, infiltration		X														\$2,512.50
808	SMH-808	Brick	6.6	Asphalt	PARK ROAD	4	Missing mortar, missing/broken bricks		X														\$2,475
810	SMH-810	Brick	4.54	Asphalt	PARK ROAD	4	Missing bricks in chimney, longitudinal crack		X			</											





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST FORM**  
**ATM 27 ANNUAL TOWN MEETING REQUEST FORM**

<b>Department:</b> <b>SEWER DIVISION</b>		<b>TWO</b>
<b>Project Title and Description:</b> <b>Sewer System Improvements</b>	<b>Total Project Cost:</b>	<b>\$200,000.00</b>

**Department/Division Head:** Doug Pinard

**Cost estimate was developed:** Internally ☒ Externally ☐

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	O & M
<i>Planning and Design</i>			<i>FY27</i>	\$200,000.00	
<i>Labor and Materials</i>	\$200,000.00		<i>FY28</i>	\$200,000.00	
<i>Administration</i>			<i>FY29</i>	\$200,000.00	
<i>Land Acquisition</i>			<i>FY30</i>	\$200,000.00	
<i>Equipment</i>			<i>FY31</i>	\$200,000.00	
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	\$200,000.00				

**Possible sources and amounts of funding, if known:**

**Project Justification and Objective:** \_\_ This appropriation of funds will give the Town of Plymouth Sewer department the ability to pay invoices for contractor/s for emergency services related to 24-hour, 7-days per week, on-call emergency services to repair and or replace, sewer infrastructure in the Town of Plymouth.

### For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the next 5 Year Plan Yes ☐ No ☒

Can this project be phased over more than one fiscal year? Yes ☐ No ☒

### For Capital Equipment Requests:

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

--

**Attach additional information, estimates, or justification.**

**OBJECTIVE:**

The Town of Plymouth (Town) has established an emergency on-call protocol to allow the Town to quickly contact contractors to respond during emergency situations. The objective of this article is to respectfully request a **\$200,000.00** fund to cover the invoice amounts for emergency wastewater responses for the town. The cost of an emergency call to do a typical wastewater repair could range between \$40,000 to \$75,000 per event, depending on the severity of the situation. This separate fund will be to pay the contractor on an emergency basis until such a time as the town can resume its normal sewer operations. The contractor(s) agrees to perform such emergency services for the town on a as needed basis and as designated by Plymouth DPW. If an emergency arises, as determined by the DPW's discretion, the DPW may contact contractor(s) to respond to the emergency events. This article will provide the funds to have the contractor(s) the means to safely mobilize, stabilize and repair any wastewater incident that may occur.

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>Water Division</b>	Priority #:	<b>1</b>
Project Title and Description: <b>Lead Service line Replacement</b>	Total Project Cost:	<b>\$500,000</b>

Department/Division Head: Peter Gordon

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>	<b>\$500,000</b>	Total project cost is not known at this time.	<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>					

**Project Justification and Objective:** Phased replacement of lead service lines is a requirement of the LCRI and mandated by both the EPA and DEP

Once completed, this project will eliminate all lead and galvanized service lines with in the distribution system.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☒    No ☐

Can this project be phased over more than one fiscal year?

Yes ☐    No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: 50yrs

Attach backup information, estimates, or justification to support this request.



# TOWN OF PLYMOUTH

Department of Public Works  
Water Division  
169 Camelot Drive  
Plymouth, Massachusetts 02360

## MEMO

**To: Lynne Barrett, Jeanette White**

**CC: Derek Brindisi, Silvio Genao, William Coyle**

**Re: Capital Request, Priority One**

**Date: September 16, 2025**

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On October 8th, 2024 the EPA issued a final rule requiring drinking water systems across the country to identify and replace lead pipes within 10 years. The Lead and Copper Rule Improvements (LCRI) also require more rigorous testing of drinking water and a lower threshold requiring communities to take action to protect people from lead exposure in water. In addition, the final rule improves communication within communities so that families are better informed about the risk of lead in drinking water, the location of lead pipes, and plans for replacing them. The deadline for compliance with the final rule is December 2027. At that time the Town must submit a detailed replacement plan and begin removing lead services from the distribution system. The Water Division intends to seek grant funding for this purpose, however there is no guarantee it will receive any. Funding this request will start the process of building a bank to replace lead lines. This may be used to pay a consultant, as match for a grant, or to finance a third-party contract for replacement. Additional funding will most certainly be necessary to achieve compliance with the final rule. Because of the ongoing process of identifying the remaining unknown services, and the possibility of securing grant funding, the total cost is not known at this time. We should have a fairly accurate cost estimate sometime in the later part of 2026.

Peter Gordon, Water Division Superintendent  
169 Camelot Dr.  
Plymouth MA, 02360  
(508) 830 – 4162 ext. 12141



# FACT SHEET

## EPA's Lead and Copper Rule Improvements October 2024

Lead in drinking water irreparably harms children and adults. Lead is a highly toxic metal that can impact brain development in children, kidney function in adults, and interferes with the production of red blood cells that carry oxygen to all parts of your body. The federal government banned the installation of new lead pipes in 1986, yet up to 9 million homes and businesses are still connected to water mains through legacy lead pipes in neighborhoods across America. These remaining lead pipes are disproportionately concentrated in low-income communities and communities of color.

That is why it is so important to remove lead from our water systems. The Lead and Copper Rule Improvements (LCRI) strengthen nationwide requirements to protect children and adults from lead in drinking water. These advancements are commonsense, achievable, and built on actions already underway in states and cities around the country.

### Key Provisions from Lead and Copper Rule Improvements

**For the first time, the vast majority of water systems will be required to replace lead service lines within 10 years.** By removing the greatest source of lead in drinking water nationwide, we can further the goal of safe drinking water for current and future generations.

**Lead service line replacement within ten years is achievable.** Cities like Benton Harbor, MI and Green Bay, WI replaced their lead service lines in less than 10 years. Other systems like Detroit, MI, Pittsburgh, PA, Denver, CO, Milwaukee, WI, and Saint Paul, MN have already started this work and are on pace to replace every lead service line within the next 10 years. For a limited number of drinking water systems, in limited circumstances, that cannot replace every lead pipe in 10 years, the rule establishes some additional time to get the job done.

**The final rule supports ongoing efforts to locate existing lead pipes.** Knowing where lead pipes are located is critical to replacing them efficiently and equitably. Under existing requirements, regulated water systems are completing initial inventories of their lead service lines in October 2024, and regularly update those inventories under the Lead and Copper Rule Improvements. Systems also must create a service line replacement plan that includes a strategy to prioritize replacement considering community-specific factors, such as populations disproportionately impacted by lead. Water systems are required to make their inventory and replacement plans available to the public.

**The final rule strengthens tap sampling requirements.** The LCRI makes key changes to drinking water sampling requirements, informed by best practices already being used by leading states like Michigan. For sites with lead service lines, water systems are required to collect and analyze the first-liter and fifth-liter and use the higher of the two values when determining compliance with the rule.

**The rule lowers the threshold for taking action and eliminates the overly complex trigger level.** The LCRI lowers the threshold for taking action, known as the lead action level, from 15 µg/L to 10 µg/L. When a water system's lead sampling exceeds this level, the system is required to inform the public and take action to reduce



lead exposure while working to expeditiously replace all lead pipes. For example, the water system would install or adjust corrosion control treatment to reduce lead that leaches into drinking water.

**The final rule includes additional requirements to reduce exposure to lead in drinking water.** Water systems with multiple exceedances of the lead action level are required to continue adjusting treatment, conduct additional community outreach, and make filters that are certified to reduce lead available to all consumers.

**Communicating transparently and frequently.** The Lead and Copper Rule Improvements require more frequent and proactive communications about lead pipes and plans for replacement. The rule also requires water systems to include clear health language about the dangers of lead in the Consumer Confidence Reports. The Consumer Confidence Reports will also provide information about testing for lead in schools and childcare facilities and will tell consumers where they can find the water system's lead service line replacement plan.

## Federal Funding

The Bipartisan Infrastructure Law and funding programs like EPA's Water Infrastructure Improvements for the Nation Act (WIIN) grants, the Drinking Water State Revolving Funds (DWSRF), and Water Infrastructure Finance Innovation Act (WIFIA) loans provide billions of dollars for projects to reduce lead in drinking water. To complement this historic federal funding, EPA's technical assistance programs are helping more communities plan and apply for funding.

Alongside the LCRI, EPA is announcing \$2.6 billion in newly available drinking water infrastructure funding through the Bipartisan Infrastructure Law to support lead pipe replacement projects. Total funding through the Bipartisan Infrastructure Law that can be used for lead line replacements is over \$26 billion over five years and includes:

- \$15 billion over five years for lead service line replacement activities,
- \$11.7 billion over five years, including \$2.6 billion that was announced today, in general supplemental funding to the Drinking Water State Revolving Fund program, which can be used to remove lead pipes or address other pressing drinking water issues in communities.

Half of this funding will go to disadvantaged communities as grants (or principal forgiveness loans). The EPA's water technical assistance (WaterTA), including the **Get the Lead Out (GLO) Initiative**, helps disadvantaged communities identify lead services lines, develop replacement plans, and apply for funding. Communities seeking to access GLO Initiative resources can request assistance by completing the WaterTA request form on EPA's WaterTA website.

EPA is also announcing the availability of \$35 million in competitive grant funding for reducing lead in drinking water. Communities are invited to apply directly for grant funding through this program:

<https://www.epa.gov/dwcapacity/wiin-grant-reducing-lead-drinking-water>. Additional federal funding is available to support lead pipe replacement projects and EPA has developed a [website identifying available funding sources](#).

## Cost and Benefits

The annual benefits of the Lead and Copper Rule Improvements are estimated to exceed the annual costs by more than ten-fold. Investments in removing lead pipes will create good-paying, local jobs. The Lead and Copper Rule Improvements will help protect millions of people across America from exposure to lead in drinking water.



EPA estimates that on average, each year after the LCRI is issued it will:

- Protect up to 900,000 infants from having low birthweight, which puts them at risk of longer and more expensive hospital stays after birth.
- Prevent Attention-Deficit Hyperactivity Disorder (ADHD) in up to 2,600 children).
- Reduce up to 1,500 cases of premature death from heart disease.
- Prevent up to 200,000 IQ points lost in children.

These results not only protect public health, but they are also expected to reduce healthcare costs and increase school attendance and economic productivity. The estimated annual benefits of the rule are up to 13 times greater than its estimated annual costs.

- EPA estimates benefits will be \$13 to \$25 billion per year.
- EPA estimates the costs to be \$1.5 to \$2 billion per year.

## Whole of Government Approach

Through its 2021 [Lead Pipe and Paint Action Plan](#), the Biden-Harris Administration has made accelerating lead service line replacement a top priority. Under this whole of government approach, 10 federal agencies<sup>i</sup> are advancing more than 15 new actions ensuring the federal government is marshalling every resource to make rapid progress towards 100% lead pipe replacement. EPA's actions, including the LCRI, are setting the nation on the course to solve a legacy problem, a problem we can solve by getting the lead out.

**Disclaimer:** This document is being provided for informational purposes only to assist members of the public, States, Tribes, and/or public water systems in understanding the package for the Lead and Copper Rule Improvements (LCRI). In the event that there are any differences, conflicts, or errors between this document and the content included in the package for the LCRI, including the preamble and regulatory text, States, Tribes, and/or public water systems should refer to the rule package. This document does not impose any new legally binding requirements on the EPA, States, Tribes, or the regulated community. Further, this document does not confer legal rights or impose legal obligations on any member of the public. In the event of a conflict between the discussion in this fact sheet and any statute or promulgated regulation, the statute and any promulgated regulations are controlling.

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<sup>i</sup> EPA, Department of Labor (DOL), Department of Education (ED), Health and Human Services (HHS), Department of Agriculture (USDA), Department of Housing and Urban Development (HUD), Department of Interior (DOI), the Centers for Disease Control (CDC), the Treasury Department, and Executive Office of the President



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Water Division	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Well Redevelopment	<b>Total Project Cost:</b>	\$100,000

**Department/Division Head:** Peter Gordon

Check if project is:    New ☒    Resubmitted ☐      Cost estimate was developed: Internally ☒    Externally ☐

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: The Water Division operating budget is a potential funding source for augmenting needs

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$100,0000	Funding will allow for up to three wells to be redeveloped and re	FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>					

**Project Justification and Objective:** At a cost of roughly twenty thousand per well, redeveloping a well can be significantly detrimental to the operating budget. If funded this request would give the Division the ability to redevelop up to three wells including repair or replacement parts often associated with this work.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
 Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 5-7 years

**Attach backup information, estimates, or justification to support this request.**



# TOWN OF PLYMOUTH

Department of Public Works  
Water Division  
169 Camelot Drive  
Plymouth, Massachusetts 02360

## MEMO

**To: Lynne Barrett, Jeanette White**

**CC: Derek Brindisi, Silvio Genao, William Coyle**

**Re: Capital Request, Priority Two**

**Date: September 16, 2025**

---

The DPW Water Division is requesting the sum of \$100,000.00 to be used for drinking water well redevelopment. The process of redevelopment assures the health of the well column and screen and can significantly reduce the strain on the well pump and motor by reducing or eliminating the build up of iron, manganese, and other minerals found in ground water wells. When a well begins to show diminished yield, it can be from worn or broken parts or built-up minerals on the well screen, and cleaning and repairs are recommended.

The pump and pump shaft are removed during redevelopment and are cleaned. This offers the opportunity to examine components of the pump and shaft and repair or replace any worn parts. Routine redevelopment reduces the frequency of more costly repairs such as pump or motor replacement and maintains the overall health of the well.

The average price for well redevelopment is just under \$20,000.00 and repairing or replacing parts can escalate quickly. This can put a significant strain on the Water Division's operating budget. For this reason, I have included \$100,000.00 every other year on the 10yr capital plan. Cleaning and maintaining at least three of Plymouth's 13 wells every two years will reduce long-term operating costs, support water quality and increase the useful life span of the wells.

Peter Gordon, Water Division Superintendent  
169 Camelot Dr.  
Plymouth MA, 02360  
(508) 830 – 4162 ext. 12141



71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-9356  
www.maherserv.com

February 24, 2025

Peter Gordon  
Plymouth Department of Public Works  
11 Lincoln Street  
Plymouth, MA 02360-3325  
pgordon@townhall.plymouth.ma.us  
Phone - (508) 830-4155  
Fax - (508) 830-4133

**Proposal No.: MS-5931**

**RE: Lout Pond Repairs  
Plymouth, MA**

Dear Peter,

We are pleased to submit this proposal for the above referenced project. Maher Services, Inc, (MSI), 71 Concord Street, North Reading, MA 01864, will be providing services to Plymouth Department of Public Works (CLIENT) for the project referred to as Lout Pond Repairs, Plymouth, MA per Schedule A – Detailed Pricing.

**Scope of Work:**

The 2012 Goulds 8RJHC 7-Stage pump and equipment were steam cleaned, disassembled and inspected. The pump is severely plugged with iron and manganese. The cast iron pump bowls are getting soft, and the impellers are out of factory tolerance. The bowls will need to be bored out, wear rings will need to be installed, and the impellers will be trimmed. Even with the additional labor to scrape and clean the bowls, it may not be possible to fully clean the water ways in the pump. Due to the age of the pump and cost of repairs, we would recommend replacing the pump with a new pump that matches the design. The Stainless Steel head shaft is worn and pitted. The column pipe below the discharge head is worn and the ends are chipped. Please see attached pictures.

The 20 HP US 1800 RPM motor passed the megger test and appears to be in good condition.

The following parts need to be replaced: (1) 6" x 29" Column Pipe, (1) Stainless Steel Head Shaft, (1) Scrape Pump Bowls, (1) Cement for the Sole Plate, (1) New pump matching the design of the existing.

Prices are good for 10 days from the date of this proposal and are based upon Massachusetts Prevailing Wage Rates. Payment are net 30 days and interest will be charged at the rate of 1-1/2% per month on any balance that remains unpaid thirty (30) days after the date of invoice. The pricing and scope of

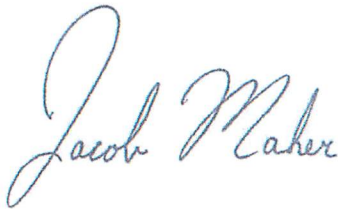
work is based upon information provided to MSI and is an estimate only. Pricing for motor balancing and vibration analysis will be provided in a separate proposal only if required after installation.

Site access is to be provided and maintained by CLIENT in a condition suitable for MSI's equipment. MSI is not responsible for damage to paved, grassed, or landscaped areas. MSI is not responsible for materials and items not specifically enumerated in the proposal/contract. MSI is not responsible for Federal, state, or local permits and/or taxes.

Our Contract Terms and Conditions are attached hereto and by this reference incorporated into the contract. In order to proceed, please return a signed copy of the proposal along with an initialed copy of the Contract Terms and Conditions.

If you need further information, please contact us.

Sincerely,  
MAHER SERVICES, INC.

A handwritten signature in cursive script that reads "Jacob Maher".

Jake Maher  
Jake.maher@maherserv.com



# Maher Services, Inc.

71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-9356

## Proposal

MS-5720A

<b>11/5/2024</b>  <b>Peter Gordon</b> <b>Plymouth Department of Public Works</b> <b>11 Lincoln Street</b> <b>Plymouth, MA 02360-3325</b> <b>pgordon@townhall.plymouth.ma.us</b> <b>Phone - (508) 830-4155</b> <b>Fax - (508) 830-4133</b>	<b>Project:</b> <b>RE: Lout Pond Redevelopment</b> <b>Plymouth, MA</b>
---	--

Item	Description	Estimated Quantity		Unit Cost	Taxa ble	Total
1	Mobilization, demobilization, remove and reinstall pump. Video inspect well before and after redevelopment.	1.00	ls	\$ 7,000.00	\$	7,000.00
2	Steam clean, disassemble and inspect pump. The pump will be brought to our office steam cleaned, disassembled and inspected. After inspection we will provide a report detailing the condition of the pump and a cost estimate for any needed repairs.	1.00	ls	\$ 750.00	\$	750.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	1.00	ls	\$ 3,600.00	\$	3,600.00
4	Machine time to clean and redevelop the well. More or less than the estimated time will be billed at the hourly rate.	30.00	hr	\$ 175.00	\$	5,250.00
5	Muriatic acid	165.00	gal	\$ 8.00	\$	1,320.00
6	Chlorine	1.00	ls	\$ 60.00	\$	60.00
					<b>Total</b>	<b>\$ 17,980.00</b>
	<b>Please Note:</b>					
	<b>Hoisting licenses for each operator will be provided.</b>					
	<b>All employees are OSHA 10 certified.</b>					
	<b>Insurance certificate including pollution liability will be provided</b>					





### CONTRACT CHANGE ORDER

Change Order Number: 1 Bid Number: N/A P.O. 25001677

Project: REMOVAL AND REHABILITATION OF LOUT POND WELL

Contractor: MAHER SERVICES, INC.

Original Contract Price	\$17,980.00
Previous Change Orders (+/-)	\$0.00
Present Contract Price	\$17,980.00
This Change Order (+/-)	\$11,010.00
Total Adjusted Contract Price	\$28,990.00
Present Substantial Completion Date	February 27, 2025
Change in Contract Time (+/-) Working Days	+/- 4 months
Total Adjusted Completion Date	June 30, 2025

Owner's Name: Town of Plymouth

Owner's Address: 26 Court Street, Plymouth, MA 02360

Contractor's Name: Maher Services, Inc.

Contractor's Address: 71 Concord Street, North Reading, MA 01864

#### Description of Changes:

Item 1: The 2012 Goulds 8RJHC 7-Stage pump and equipment were steam cleaned, disassembled and inspected. The pump is severely plugged with iron and manganese. The cast iron pump bowls are getting soft, and the impellers are out of factory tolerance. The bowls will need to be bored out, wear rings will need to be installed, and the impellers will be trimmed. Even with the additional labor to scrape and clean the bowls, it may not be possible to fully clean the water ways in the pump. Due to the age of the pump and cost of repairs, we would recommend replacing the pump with a new pump that matches the design. The Stainless Steel head shaft is worn and pitted. The column pipe below the discharge head is worn and the ends are chipped.



The 20 HP US 1800 RPM motor passed the megger test and appears to be in good condition.


The following parts need to be replaced: (1) 6" x 29" Column Pipe, (1) Stainless Steel Head Shaft, (1) Scrape Pump Bowls, (1) Cement for the Sole Plate, (1) New pump matching the design of the existing.

**Total for Item 1 = \$11,010.00**


This Change Order represents a total contract increase in the amount of: **Eleven Thousand, Ten Dollars and 00/100 (\$11,010.00).**

IN WITNESS WHEREOF, the parties hereto have duly affixed their hands and seals on this 13th day of March 2025.

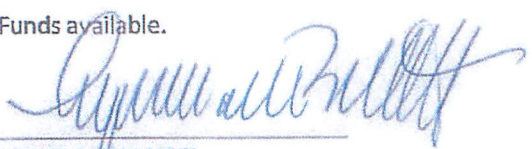
MAHER SERVICES, INC.

  
\_\_\_\_\_  
PETER MAHER  
President

TOWN OF PLYMOUTH, by its  
Town Manager

  
\_\_\_\_\_  
DEREK BRINDISI

Funds available.

  
\_\_\_\_\_  
LYNNE A. BARRETT  
Finance Director

# Maher Services, Inc.

71 Concord Street  
North Reading, MA 01864  
Tel: (978) 664-WELL (9355)  
Fax: (978) 664-9356

INVOICE #

8247

Page 1 of 1

Plymouth Department of Public Works - Water Division  
26 Court Street  
Plymouth, MA 02360  
Attn: Peter Gordon <pgordon@plymouth-ma.gov>  
CC: <mturner@plymouth-ma.gov>

Invoice Date:	04/02/25
Job Number:	5112
Purchase Order:	25001677
Period From:	
To:	

**REMIT TO: Maher Services, Inc., 71 Concord Street, North Reading, MA 01864**

## Lout Pond Redevelopment

Item	Description	Unit Cost	Tax able	Total Billings	
				Quantity	Amount
1	Mobilization and demobilization, set and remove surge equipment. Video inspections before and after redevelopment	\$ 7,000.00 / ls		1.00	\$7,000.00
2	Steam clean, disassemble and inspect pump. The pump will be brought to our office steam cleaned, disassembled and inspected. After inspection we will provide a report detailing the condition of the pump and a cost estimate for any needed repairs.	\$ 750.00 / ls		1.00	\$750.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	\$ 3,600.00 / ls		1.00	\$3,600.00
4	Machine time to clean and redevelop the well. More or less than the estimated time will be billed at the hourly rate.	\$ 175.00 / hr		30.00	\$5,250.00
5	Muriatic Acid	\$ 8.00 / gal		165.00	\$1,320.00
6	Chlorine	\$ 60.00 / ls		1.00	\$60.00
	<u>Lout Pond Repairs per MS-5931</u>				
7	(1) 6" x 29" Column (1) Stainless Steel Head Shaft (1) Cement for Sole Plate	\$ 2,275.00 / ls		1.00	\$2,275.00
8	Wolf 9CE5V 4-Stage Pump (350 GPM @ 146' TDH)	\$ 8,235.00 / ls		1.00	\$8,235.00
9	Freight	\$ 500.00 / ls		1.00	\$500.00

Sub Totals \$28,990.00

Sales Tax 6.25% \$0.00

**TOTAL Due This Invoice \$28,990.00**

# Maher Services, Inc.

71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-8356

# Proposal

MS-5931 Revised

3/4/25		Project: Repairs		RE: Plymouth Lout Pond	
Peter Gordon Plymouth Department of Public Works-Water Division 26 Court Street Plymouth, MA 02360 pgordon@plymouth-ma.gov Office Phone — (508) 322-3406		Plymouth, MA			

Item	Description	Estimated Quantity	Unit Cost	Taxable	Total
Plymouth Lout Pond Repairs					
1	(1) 6" x 29' Column (1) Stainless Steel Head Shaft (1) Cement for Sole Plate	1.00 ls	\$ 2,275.00		\$ 2,275.00
Pump Repair:					
2A	(7) Bore out bowls, install Wear Rings, Trim Impellers (1) Labor to Scrape Pump Bowls	1.00 ls	\$ 6,670.00		\$ 6,670.00
2B	New Pump:				
	Wolf 90CE5V 4-Stage Pump (350 GPM @ 146 TDH)	1.00 ls	\$ 8,235.00		\$ 8,235.00
	Estimated Shipping and Handling	1.00 ls	\$ 500.00		\$ 500.00
Please Note:					
Installation is included in proposal MS-5720A					
Total Price with Repaired Pump					\$ 8,945.00
Total Price with New Pump					\$ 11,010.00





71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-9356  
www.maherserv.com

February 14, 2024

Peter Gordon  
Plymouth Department of Public Works  
11 Lincoln Street  
Plymouth, MA 02360-3325  
pgordon@townhall.plymouth.ma.us  
Phone - (508) 830-4155  
Fax - (508) 830-4133

**Proposal No.: MS-5266A**

**RE: Bradford #2 Repairs  
Plymouth, MA**

Dear Peter,

We are pleased to submit this proposal for the above referenced project. Maher Services, Inc. (MSI), 71 Concord Street, North Reading, MA 01864, will be providing services to Plymouth Department of Public Works (CLIENT) for the project referred to as **Bradford #2 Repairs**, Plymouth, MA per Schedule A – Detailed Pricing.

**Scope of Work:**

The FloServe 8 EHL-02 4-stage pump (700 GPM @ 265' TDH) and equipment were steam cleaned, disassembled and inspected. The pump and equipment were severely plugged and encrusted with hard iron scale. The pumps wear rings and impellers are severely worn, and the impeller skirts are too thin to trim. The pump needs to be replaced. The column pipe appears to be in good condition and will be reused.

The Hitachi 75 HP submersible motor passed the megger test and appears to be in good condition.

The following parts need to be replaced: (1) pump to match a FloServe 8 EHL-02 designed for 700 GPM @ 265' TDH, (1) 6" in-line VFD check valve, and (2) MAASS 12" HD pitless o-rings.

Prices are good for 10 days from the date of this proposal and are based upon Massachusetts Prevailing Wage Rates. Payment are net 30 days and interest will be charged at the rate of 1-1/2% per month on any balance that remains unpaid thirty (30) days after the date of invoice. The pricing and scope of work is based upon information provided to MSI and is an estimate only. Pricing for motor balancing and vibration analysis will be provided in a separate proposal only if required after installation.

71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-9356

MS-5266A

[illegible]

Site access is to be provided and maintained by CLIENT in a condition suitable for MSI's equipment. MSI is not responsible for damage to paved, grassed, or landscaped areas. MSI is not responsible for materials and items not specifically enumerated in the proposal/contract. MSI is not responsible for Federal, state, or local permits and/or taxes.

Our Contract Terms and Conditions are attached hereto and by this reference incorporated into the contract. In order to proceed, please return a signed copy of the proposal along with an initialed copy of the Contract Terms and Conditions.

If you need further information, please contact us.

Sincerely,  
MAHER SERVICES, INC.

A handwritten signature in blue ink, appearing to read "Nicholas Zaher".

Nicholas Zaher  
nzaher@maherserv.com



**11. PROFESSIONAL LIABILITY** - To the fullest extent permitted by law, the CLIENT agrees to limit the MSI'S liability to the CLIENT and to all contractors or subcontractors on the project for any and all injuries, claims, losses, expenses or damages, arising out of or in any way related to the project or this Agreement from any cause or causes including, but not limited to, the MSI'S negligent acts, errors, omissions, strict liability, breach of contract, or breach of warranty, such that the total aggregate of liability of MSI to all those named shall not exceed the total fee for the MSI'S' service rendered in the project. Under no circumstances shall MSI be liable to the CLIENT for any consequential damages, including, but not limited to, loss of use or rental, loss of profit or cost of any financing however caused including by MSI'S fault or negligence.

**12. INDEMNIFICATION FOR HAZARDOUS MATERIALS** - The CLIENT agrees that MSI has not contributed to the presence of hazardous wastes, oil or other hazardous materials that may exist or be discovered in the future at the site and that MSI does not assume any liability for the known or unknown presence of such materials.

Therefore, the CLIENT shall defend, indemnify, and hold harmless MSI, its consultants, agents, and employees from and against all claims, damages, losses, and expenses including defense costs and lawyer's fees that result from the actual alleged or threatened discharge, dispersal, release or escape of any solid, liquid, gaseous or thermal irritant, asbestos in any form, asbestos or contaminants including smoke, vapor, soot, fumes, acids, alkalies, chemicals, waste, oil or other hazardous material. The CLIENT shall be liable under this paragraph for claims, damages, losses and expenses including defense costs and attorney's fees, unless such claims, damages, losses and expenses are caused by MSI'S sole negligence.

**13. PUBLIC RESPONSIBILITY** - The CLIENT acknowledges that the CLIENT or the Site Owner, as the case may be, is now and shall remain in control of the Site for all purposes at all times. Except as required by law, MSI does not undertake to report to any federal, state, county, or local public agencies having jurisdiction over the subject matter any conditions existing at the Site from time to time that may present a potential danger to public health, safety, or the environment. The CLIENT agrees to timely notify each appropriate federal, state, county, and local public agency, as required by law, of the existence of any condition at the Site that may present a potential danger to public health, safety, or the environment.

Notwithstanding the provisions of the foregoing, MSI will comply with subpoena, judicial orders or government directives and federal, state, county and local laws, regulations and ordinances, and applicable agencies of findings with respect to potential dangers to public health, safety, or the environment. MSI shall not have liability or responsibility to the CLIENT or to any other person or entity for reports or disclosures made in accordance with such statutory or other lawful requirements. The CLIENT shall defend, indemnify, and hold MSI harmless from and against any and all claims, demands, liabilities and expense, including reasonable attorneys' fees, incurred by MSI and arising directly or indirectly in connection with MSI'S reporting such information under a bona fide belief or upon advice of counsel that such reporting or disclosure is required by law.

**MAHER SERVICES, INC.**  
**CONTRACT TERMS & CONDITIONS**

The CLIENT and Maher Services, Inc. (MSI) hereby agree as follows:

1. **PAYMENT TERMS** - The CLIENT agrees to pay MSI in accordance with the rates and charges set forth in the contract to which these Standard Conditions are appended.

Invoices will be submitted monthly or upon completion of a specified scope of service as described in the contract. Payment will be due within thirty (30) days from the date of invoice. Interest will be charged at the rate of 1-1/2% per month on any balance that remains unpaid thirty (30) days after the date of the invoice. These terms are standard unless they are amended in the proposal/letter agreement.

2. **RIGHT-OF-ENTRY** - The CLIENT agrees to furnish MSI with the right-of-entry on the land or represents and warrants, if the site is not owned by the CLIENT, that permission has been granted to make site reconnaissance, surveys, borings, and other work pursuant to the scope of services in the contract. The CLIENT hereby acknowledges that certain damages may occur to areas used for access or for work. MSI will exercise due care during access and work, but cannot warrant that damages will not occur. MSI is not responsible to make repairs to damaged areas.

3. **UNDERGROUND STRUCTURES** - Unless otherwise agreed, the CLIENT shall provide MSI with locations of buried utilities and other underground structures in the area of the work. MSI will take reasonable precautions to avoid damage to the buried utilities and other underground structures noted. If locations are not known or cannot be confirmed by the CLIENT, then there will be a degree of risk to the CLIENT. In the absence of confirmed underground structure locations, the CLIENT agrees to accept the risk of any damages and losses resulting from the work.

4. **DOCUMENTS** - All reports, design drawings, field data and notes, laboratory test data, calculations, estimates, and other documents that MSI prepares as instruments of service shall remain MSI'S property. The CLIENT agrees that MSI'S services are on behalf-of and for the exclusive use of the CLIENT for this project and that all reports and other documents furnished to the CLIENT or its agents shall be utilized solely for this project. MSI will retain all pertinent records relating to the services performed for a period of two (2) years following submission of its report or other documents.

5. **RENEGOTIATION OF CONTRACT FOR PRESENCE OF HAZARDOUS MATERIALS** - If the scope of services for this Contract does not include services relating to hazardous waste, oil or other hazardous materials and if such materials are discovered during MSI'S work, the CLIENT agrees to negotiate appropriate revisions to the scope of services, the budget estimate, and the terms and conditions of the Contract. If a mutually satisfactory agreement cannot be reached between both parties, the Contract shall be terminated. The CLIENT agrees to pay MSI for all services rendered, including any costs associated with termination.

6. **DECONTAMINATION OF EQUIPMENT AND PERSONNEL** - If hazardous waste, oil, or other hazardous materials are encountered during the work, the CLIENT shall provide MSI with an approved suitable area in which to decontaminate any equipment or personnel exposed to such hazardous waste, oil, or other hazardous materials.

7. **STANDARD OF CARE** - MSI'S services will be performed in accordance with generally accepted practices of companies providing similar services at the same time in the same locale, and under like circumstances.

8. **SUSPENSION OF WORK** - The CLIENT may, at any time, by ten (10) days written notice, suspend further work by MSI. The CLIENT shall remain fully liable for and shall promptly pay MSI the full amount for all services rendered by MSI to the date of suspension of service plus "suspension charges". Suspension charges shall include, without limitation, the cost of putting documents and analysis in order, personnel and equipment rescheduling or reassignment adjustments, and all other related costs and charges directly attributed to the suspension.

If payment of invoices by the CLIENT is not maintained on a thirty (30) day current basis, MSI may, by providing a ten (10) day written notice to the CLIENT, suspend further work until payments are restored to a current basis. In the event MSI engages counsel to enforce overdue payments, the CLIENT will reimburse MSI for all reasonable attorney's fees and court costs related to enforcement of overdue payments. The CLIENT shall indemnify and save harmless MSI from any claim or liability resulting from suspension of the work due to non-current payments.

9. **DISPUTE RESOLUTION** - All claims, disputes or controversies arising out of or in relation to the interpretation, application or enforcement of this Contract shall first be submitted to non-binding mediation pursuant to the Rules for Commercial Mediation of the American Arbitration Association.

10. **INSURANCE** - During performance of this Agreement, MSI will at its own expense carry Worker's Compensation Insurance/Employer's Liability Insurance within limits required by law; Comprehensive General Liability Insurance with limits of not less than \$1,000,000/\$1,000,000 for bodily injury and \$1,000,000/\$1,000,000 for property damage; and Comprehensive Automobile Liability Insurance with limits of not less than \$1,000,000 combined single limit for bodily injury and property damage.

**71 Concord Street  
North Reading, MA 01864  
Tel: (978) 664-WELL (9355)  
Fax: (978) 664-9356**

**INVOICE #**

7676



Page 1 of 1

Plymouth Department of Public Works  
169 Camelot Dr.  
Plymouth, MA 02360-3325  
ATT: Peter Gordon  
[pgordon@plymouth-ma.gov](mailto:pgordon@plymouth-ma.gov)

Invoice Date:	03/20/24
Job Number:	4807
Purchase Order:	24000645
Period From:	
To:	

**REMIT TO: Maher Services, Inc., 71 Concord Street, North Reading, MA 01864**

## **Bradford Well #2 Redevelopment**

Item	Description	Unit Cost	Tax able	Total Billings	
				Quantity	Amount
1	Mobilization, demobilization, remove and reinstall pump. Video inspect the well before and after redevelopment.	\$ 6,800.00 / ls		1.00	\$6,800.00
2	Steam clean, disassemble and inspect pump. A report detailing the condition of the pump and a cost estimate for any needed repairs will be provided.	\$ 750.00 / ls		1.00	\$750.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	\$ 3,400.00 / ls		1.00	\$3,400.00
4	Machine time to clean and redevelop the well.	\$ 175.00 / ls		30.00	\$5,250.00
5	Muriatic Acid	\$ 8.00 / ls		165.00	\$1,320.00
6	Chlorine	\$ 60.00 / ls		1.00	\$60.00
<p style="text-align: center;">SERVICES RECEIVED &amp;  <b>Approved for Payment</b>    J. H. Peterson  1 of PO 24  PO # 24000645  guidate V/N NO  rg # 20729A26  bject # 583150  endor # 2090  mount # 17580.00  ite 3/26  Approved By:  J. H. Peterson</p>					

<b>Sub Totals</b>	<b>\$17,580.00</b>
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Sales Tax	6.25%	\$0.00
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<b>TOTAL Due This Invoice</b>	<b>\$17,580.00</b>
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71 Concord Street  
North Reading, MA 01864  
Tel: (978) 664-WELL (9355)  
Fax: (978) 664-9356

**INVOICE #**

7677

Page 1 of 1

Plymouth Department of Public Works  
169 Camelot Dr.  
Plymouth, MA 02360-3325  
ATT: Peter Gordon  
[pgordon@plymouth-ma.gov](mailto:pgordon@plymouth-ma.gov)

Invoice Date:	03/22/24
Job Number:	4807
Purchase Order:	24000645
Period From:	
To:	

**REMIT TO: Maher Services, Inc., 71 Concord Street, North Reading, MA 01864**

**Bradford #2 Well Repairs (Per CO 2)**

[illegible]

<b>Sub Totals</b>	<b>\$5,535.00</b>
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Sales Tax	6.25%	\$0.00
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**TOTAL Due This Invoice**

**\$5,535.00**



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Water Division	<b>Priority #:</b>	3
<b>Project Title and Description:</b> Replace W49	<b>Total Project Cost:</b>	\$62,579.00

**Department/Division Head:** Peter Gordon

**Check if project is:**   New ☒   Resubmitted ☐      **Cost estimate was developed:** Internally ☐   Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$56,890.00		FY32		
<i>Other</i>					
<i>Contingency</i>	\$5,689.00	10%			
<b>Total Capital</b>					

**Project Justification and Objective:** The current vehicle is a 2012 and will be approximately 15yrs old when it is finally replaced. This vehicle currently provides transportation for the

Treatment staff along with tools and equipment to operate and maintain the drinking water pump stations.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐      No ☒

Can this project be phased over more than one fiscal year?

Yes ☐      No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2014 F250 1FDBF2AT1EEA26415 Vehicle is out of service and has recently been used for parts

**What is the expected lifespan of this new/replacement equipment:** 10yrs

Attach backup information, estimates, or justification to support this request.



# TOWN OF PLYMOUTH

Department of Public Works  
Water Division  
169 Camelot Drive  
Plymouth, Massachusetts 02360

## MEMO

**To: Lynne Barrett, Jeanette White**

**CC: Derek Brindisi, Silvio Genao, William Coyle**

**Re: Capital Request, Priority Three**

**Date: September 16, 2025**

---

The Water Division is seeking to replace a 2014 F250 known as W-49. This vehicle was taken out of service over a year ago when multiple attempts to repair electrical and exhaust issues by both fleet maintenance and the dealership were unsuccessful. The replacement vehicle would be a Ford F150 pick up. This vehicle would have an anticipated life span of 10yrs.

Peter Gordon, Water Division Superintendent  
169 Camelot Dr.  
Plymouth MA, 02360  
(508) 830 – 4162 ext. 12141

# MOTOR VEHICLE PURCHASE CONTRACT

Colonial Ford of Plymouth, MA  
11 Pilgrim Hill Road  
Plymouth, MA 02360  
(508) 746-3400  
http://colonialford.com

FOR CONSUMER  
USE ONLY

DATE 09/15/2025		ORDER No.		STOCK NO.		SALESPERSON Dell Roderick		DMS EMPLOYEE # 973	
PURCHASER'S NAME(S) Town Of Plymouth				EMAIL rrgazzini@plymouth-ma.gov		STREET ADDRESS 159 CAMELOT STREET			
CITY/STATE/ZIP PLYMOUTH MA 02360				CELL PHONE		BUSINESS PHONE (508) 789-8071			
ENTER MY ORDER FOR		NEW <input checked="" type="checkbox"/> USED <input type="checkbox"/>		FORMER USE (if applicable)		DEMONSTRATOR <input type="checkbox"/>		POLICE CAR <input type="checkbox"/>	
		(QUANTITY)		FORMER LEASED CAR <input type="checkbox"/>		FORMER DAILY RENTAL <input type="checkbox"/>		REBUILT INSURANCE TOTAL <input type="checkbox"/>	
Year	Make	Model	Body Style/Type	Model No.	Transmission	(Speeds)	Cyl.	Pass	Doors
2025	FORD	F150	EXT CAB	XLT	Standard Automatic	10	8	5	4
Vehicle Identification No. TBD		Color 1st GREEN		Interior 1st MED DARK SLATE		Top		Odometer mi. km.	
TRADE-IN		Year		Make		Type		Color	
Model		Type		Color					
VIN									
Odometer		(mi. km.)							
Transmission		Standard (Speeds) Auto							
No of Cyl.		Pass.		Doors					
Salvage Title		Yes No							
PREVIOUS OWNER									
City/State/Zip									
LIENHOLDER									
Address									
City/State/Zip									
Acct. No.		Check No.							
Balance Due									
Additional Information - Vehicle Purchased									
LIENHOLDER									
Address									
City/State/Zip									
INSURANCE CO.									
Agent/Branch									
Address/City									
<p>In the event I fail to take delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of _____ may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me.</p> <p>Purchaser's Initials [ ]</p>									
<p>ALL REBATES AND SALES INCENTIVES OFFERED BY THE MANUFACTURER OR DISTRIBUTOR ARE HEREBY ASSIGNED TO THE DEALER</p> <p>Purchaser's Initials [ ]</p>									
<p>This contract is not binding upon either dealer or purchaser until the following conditions are met:</p> <p>(1) The contract is signed by dealer or his/her authorized representative;</p> <p>(2) Other: _____</p> <p>(3) Other: _____</p>									
<p>PURCHASER MAY CANCEL THIS CONTRACT AND RECEIVE A FULL REFUND AT ANY TIME UNTIL SHE RECEIVES A COPY OF THIS CONTRACT SIGNED BY AN AUTHORIZED DEALER REPRESENTATIVE. PURCHASER MUST GIVE WRITTEN NOTICE OF CANCELLATION TO THE DEALER.</p>									
The front and back of this order comprise the entire agreement between the dealer and purchaser and no other agreement or understanding has been made or entered into.		<p>Purchaser Signature _____</p> <p>Co-Purchaser Signature _____</p> <p>Approved Authorized Dealer Representative _____</p>							
		<p>Dealer Installed Accessories</p>							
		<p>1. Total Price \$56,395.00</p>							
		<p>2. Discount</p>							
		<p>3. Trade-In Allowance</p>							
		<p>4. Rebate</p>							
		<p>5. Trade Difference (line 1 minus lines 2, 3, &amp; 4) \$56,395.00</p>							
		<p>6. Documentary Preparation \$495.00</p>							
		<p>7. Title Preparation</p>							
		<p>8. *Mass. Sales Tax ( 0.000 % of line 5, 6 &amp; 7)</p>							
		<p>9. Other</p>							
		<p>10. TOTAL CONTRACT PRICE (Total of lines 5, 6, 7, 8, &amp; 9) \$56,890.00</p>							
		<p>11. Balance Due on Trade-In</p>							
		<p>12. Subtotal (Total of lines 10 &amp; 11) \$56,890.00</p>							
		<p>13. Deposit</p>							
		<p>14. Amount to be Financed</p>							
		<p>15. Cash Due on Delivery \$56,890.00</p>							
		<p>16. TOTAL PAYMENT (line 16 must equal line 12) \$56,890.00</p>							

6843: EntId: 1324375 / EvId: 3893364

Generated by DealerSocket®

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## ADDITIONAL PROVISIONS

(a) I agree to accept delivery of the vehicle purchased by me within forty-eight (48) hours after I have been notified by you that it is ready for delivery and to pay the cash due on delivery simultaneously with its delivery.





















**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Airport</b>	<b>Priority #:</b>	<b>1 - Special</b>
<b>Project Title and Description:</b> Airport Wastewater Treatment Plant – Gravity Line	<b>Total Project Cost:</b>	<b>700,000</b>

**Department/Division Head:** Matthew Cardillo, Airport Manager

**Check if project is:**    New ☒    Resubmitted ☐                      **Cost estimate was developed:** Internally ☒    Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** MassDOT Aeronautics (80%) and the Airport Enterprise fund (20%)

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>	700,000	MassDOT (\$560,000) Airport (\$140,000 )	<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	700,000				

**Project Justification and Objective:** The purpose of this project is to improve the sewer infrastructure on the south side of the airport. When the WWTP was built there was no need for a gravity line in that area. Now that there has been growth in that area and the possibility of growth in the future the Airport Commission is looking to install a new gravity sewer line.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?                                      Yes ☒      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

# MEMO



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To: **Plymouth Selectboard**

From: **Matthew Cardillo, Airport Manager**

RE: **Airport Wastewater Treatment Plant –Gravity Line**

Date: **September 23, 2025**

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Dear Selectboard Members,

The Plymouth Airport Commission is requesting the support of the Selectboard with their Airport Sewer Treatment Plant Gravity Line project.

## **Project**

When the airport's wastewater treatment plant was installed, there was no infrastructure on the South side of the airport that needed to be supported by a gravity sewer line. There has since been development on the South side of the airport that is driving the Airport Commission to expand the infrastructure in that area. This sewer line would start at the existing wastewater treatment plant and would follow the Gate 6 access road up to the town line. This project would include about 2900 ft of sewer line as well as the supporting infrastructure such as manholes.

## **Funding:**

Like most of the airport's projects this project will be 80% funded by MassDOT Aeronautics, and 20% funded by Airport Enterprise free cash. The breakdown of that funding is below:

MassDOT: \$560,000

Airport: \$140,000

**Total**        **\$700,000**



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <span style="font-size: 1.2em;">Airport</span>	<b>Priority #:</b>	<span style="font-size: 1.2em;">2 - Special</span>
<b>Project Title and Description:</b> <span style="font-size: 1.2em;">State Police Hangar Renovations</span>	<b>Total Project Cost:</b>	<span style="font-size: 1.2em;">700,000</span>

**Department/Division Head:** Matthew Cardillo, Airport Manager

**Check if project is:**    New ☒    Resubmitted ☐                      **Cost estimate was developed:** Internally ☒    Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** By borrowing \$700,000 with the understanding that it would be reduced  
by any state, federal aid, Airport Enterprise fund that are appropriated thereafter

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>	700,000		<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	700,000				

**Project Justification and Objective:** This town owned hangar is in need of renovations that includes a new roof, replacing of carpet/tiles, interior painting, and hangar door maintenance.

This hangar is currently leased by the State Police Airwing and these renovations would allow them to enter into another 10 year lease. This would guarantee that the MSP airwing would stay in Plymouth and be a value to the community.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?                                      Yes ☒      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** \_\_\_\_\_

**Attach backup information, estimates, or justification to support this request.**

# MEMO



---

To: **Plymouth Selectboard**

From: **Matthew Cardillo, Airport Manager**

RE: **State Police Hangar Renovations**

Date: **September 23, 2025**

---

Dear Selectboard Members,

The Plymouth Airport Commission is requesting the support of the Selectboard to make improvements and renovations to the town owned hangar that is currently occupied by the Massachusetts State Police Airwing.

## **Project**

The State Police are currently tenants of an airport owned hangar under a DCAM lease. That lease is set to expire in September of 2026. The State Police have come to the Airport Commission in hopes of entering a new lease when the existing lease expires. In the negotiations of the lease the State Police asked for renovations to be made to the building as part of entering the new lease. Those improvements include the following:

1. A new roof be installed on the building
2. Replacement of existing flooring and carpets
3. Painting of all the interior offices
4. New ceiling tiles
5. Hangar door maintenance

## **Funding:**

The Airport Commission is seeking a vote to authorize the Airport Commission through the Town of Plymouth to borrow \$700,000 with the understanding that it would be reduced by any state, federal aid, Airport Enterprise fund that are appropriated thereafter

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**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Energy and Environment	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Boy Scout Bridge, Engineering and Permitting	<b>Total Project Cost:</b>	\$82,400

**Department/Division Head:** David Gould

**Check if project is:**    New ☐    Resubmitted ☐                      **Cost estimate was developed:** Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>	\$82,400		<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>			<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	\$82,400				

**Project Justification and Objective:** The Boy Scout bridge over Town Brook is a pedestrian bridge that also conveys the sewer main over Town Brook.

Recent inspections indicate the 49 year old structure has deteriorating steel beams and significant loss of mortar and deterioration of the support piles located in Town Brook.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?                                      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** N/A

**Attach backup information, estimates, or justification to support this request.**





**Town of Plymouth**  
**Department of Energy & Environment**  
26 Court Street, Plymouth, MA 02360



# MEMO

**To:** Derek Brindisi, Town Manager  
**From:** David Gould, Director of Energy and Environment  
**Re:** SATM Capital Request – Boy Scout Bridge  
**Date:** September 17, 2025

Please consider this memorandum as supporting documentation to the Spring Town Meeting request to fund final engineering and permitting to replace the so-called “Boy Scout Bridge” over Town Brook.

This pedestrian footbridge was constructed in 1976 and physically supports the sewer main running from Billington Street over Town Brook to the Town Brook trail and into the downtown area. Visible deterioration of the stone support piles located in Town Brook has been ongoing for many years. An inspection of the structure in December 2024 indicated several areas of concern including the previously mentioned eroding support pile and ongoing delamination of the steel support structure resulting in significant section loss.

The current footbridge is not ADA accessible and requires routine maintenance of the decking and the wood shingled roof. A new footbridge would be longer, allowing it to be raised in elevation above Town Brook and making it ADA accessible. New headwalls on either end would support the longer footbridge that would allow for the removal of the existing support piles from Town Brook, reducing maintenance and safety concerns and restoring habitat and improving fish passage. A metal roof that would provide for the appearance of a shingled roof would be used to further reduce maintenance going forward.

Upon completion of engineering and permitting DEE would look to funding sources including its own Environmental Affairs Fund, Mass Trails grants, CPA and other options to fund the construction of the new bridge.

Should you have any questions please contact me at your earliest convenience. Thank you.

C: Lynne Barrett, Finance Director

January 22, 2025

Mr. David Gould  
Director of Marine and Environmental Affairs  
Town of Plymouth  
26 Court Street  
Plymouth, MA 02360

SLR Project No.: 141.P50741.00001

SLR Client No.: 11982

**RE: Proposal – Engineering Services for Boy Scout Bridge over Town Brook  
Plymouth, Massachusetts**

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Dear David,

SLR International Corporation (SLR) is pleased to provide you with this scope of services and a fee proposal to provide design-phase engineering services for the rehabilitation of the Boy Scout bridge project.

SLR visited the site to perform a visual inspection of the existing timber pedestrian bridge. The existing timber bridge is in poor condition due to the scour around the stone piers, and the structural steel girders have deteriorated with section loss. The roof of the existing pedestrian bridge is also in critical condition. Therefore, we recommend replacing the structure with similar characteristics but updating to current standards for pedestrian live load and minimum width.

Our proposal is predicated on the following assumptions:

- The Town of Plymouth (Town) is expecting engineering funds to be available in 2025. If the start is delayed more than 6 months, the fees will be renegotiated.
- The Town will be conducting its own technical plan reviews.
- Milestone submissions shall all be provided with PDF files.
- The proposed pedestrian bridge structures will have a span of 60 to 70 feet.
- A separate line item for an Americans with Disabilities Act (ADA)-compliant walkway is included if the Town is interested.

## **Scope of Work**

### **Task 1.0 – Kickoff and Coordination Meetings**

Throughout the course of this project, the project manager will coordinate project tasks; perform project-related managerial tasks; receive and execute directions from the Town and project partners; schedule work; maintain project records, technical data, drawings, reports, and financial records; and coordinate with the Town and project partners. The following specific tasks are proposed:

- 1.1 Kickoff Meeting – Project team members will attend an initial kickoff meeting with the Town and project partners.

- 1.2 Coordination Meetings – Project team members will attend project coordination meetings with the Town, project partners, and other interested parties during this phase of work. Up to two meetings are anticipated.
- 1.3 Conference Calls – Project team members will participate in conference calls throughout this phase of work (expected duration 4 months) as needed and/or as requested by Town staff.

## **Task 2.0 – Survey and Base Mapping**

- 2.1 Perform planimetric and topographic (1-foot contour intervals) survey of the site. Survey limits will include the Boy Scout bridge and walkway approaches to the Off-Billington Street right-of-way (ROW) to the west and approximately 150 feet to the east of the bridge, an additional 50 feet past the downstream and upstream of the bridge along the brook. Vertical control shall be per NAVD 1988, and horizontal control will be tied into the State Plane Coordinate System (NAD 1983) if available within 1 mile of the site. Semipermanent benchmarks will be established at the site.
  - 2.1.1 Location and elevation of visible utilities, vegetation, walkways, landscaping, etc.
  - 2.1.2 ROW limits and property boundaries compiled from available land records. Names of adjacent property owners will be compiled from Town records and presented on the base mapping. ROW and boundary survey is not contemplated at this time and not included in this scope of services.

## **Task 3.0 – Data Collection and Subsurface Exploration**

- 3.1 Existing Data Collection and Review – Collect and review available data and resource information on file with project stakeholders, the Town, state agencies, and other sources. This information may include bridge plans/reports, past studies, watershed history, and information regarding abutting property owners.
- 3.2 Geotechnical Engineering – Conduct a subsurface exploration program at the bridge crossing to establish subgrade conditions. The principal objective is to provide soils data necessary for bridge foundation, including soil type and consistency, frost susceptibility characteristics, and ledge and/or groundwater depth. The program will include the following:
  - 3.2.1 The Town will perform two test pits at the proposed abutments, and SLR will be on site for visual inspection of the test pits.
  - 3.2.2 Based on the test pits, SLR will determine if the soils are suitable for the pedestrian bridge loading onto the abutments
- 3.3 Contact local utility providers and request available mapping of existing facilities in the vicinity of the structures. Utilities will be depicted on the survey base map based on best available information.
- 3.4 Sensitive Species Review – A review of the Massachusetts Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP) mapping indicates that the project site is not located within mapped Estimated and Priority Habitat for state-listed species. This mapping is updated annually, and SLR will review the mapping during the permitting process to reconfirm our initial findings. This scope of services assumes that the proposed project will not require any Massachusetts Endangered Species Act (MESA) filings and will have no impact to listed species or their habitat. If this is not the case and an additional level of effort is required (e.g., MESA applications, surveys, mitigation), an amendment will be provided for these services.





- 3.5 Sensitive Historical/Archaeological Resources (Section 106) – The Town will perform these services.
- 3.6 Delineation of Wetland Resources, Wetland Delineation Technical Memorandum, and Ecological Characterization will be conducted by the Town staff.
- 3.7 Bridge Scour Analysis – Scour analysis is not anticipated as the abutments will be outside the floodway. If required, SLR will provide scope and fee at the appropriate time.

#### **Task 4.0 – Conceptual Design**

Under this task, existing and new data will be summarized, and conceptual alternatives will be developed for the bridge replacement.

- 4.1 Prepare a Bridge Type Study memorandum that will evaluate two cost-effective bridge structure alternatives for the bridge, with options for covered bridge and roofing.
  - 4.1.1 Prepare a brief memorandum summarizing the project alternatives, impacts, and costs. Embedded within the report will be a structure type study evaluating the design alternatives. The memorandum shall include the following:
    - 4.1.1.1 Schematic plan, elevation, and typical section for each alternative
    - 4.1.1.2 Construction cost opinions for each alternative studied
    - 4.1.1.3 Summary of project requirements and impacts for each alternative to address construction cost, constructability, impacts to utilities/necessary relocations, ROW needs, maintenance requirements, regulatory permit requirements, and public concerns
    - 4.1.1.4 Recommendation for a preferred alternative
- 4.2 Recommendations – Recommend a preferred alternative based on considerations of existing conditions, construction feasibility, benefits and impacts, and input from project stakeholders.
- 4.3 Submit a memorandum to the Town for review and comment. Meet with Town staff to discuss the report and recommendations and solicit design direction.

#### **Task 5.0 – Preliminary Design**

- 5.1 Prepare preliminary design plans of the preferred alternative to approximate 60% completion, including bridge replacement and walkway, channel work, area regrading, and landscaping. The plans will depict the site location; plan view of existing conditions showing elevations, physical features, and the extents of regulated areas (i.e., onsite wetlands, ordinary high water, etc.); plan view of proposed conditions in areas to be altered; preliminary planting plan; profile of proposed conditions in the channel; section views of the channel; and typical details. The bridge design will include preliminary horizontal and vertical walkway geometry and utility relocations. A typical walkway cross section and sections at critical locations will be provided. SLR will evaluate project interface with existing site facilities and operations and conformance to Town, MassDOT, and American Association of State Highway and Transportation Officials guidelines. Develop preliminary design plans to include the following:
  - 5.1.1 Title sheet
  - 5.1.2 Beginning and end of project and project limit lines



- 5.1.3 Existing conditions, including titles of adjacent roadways, walkways and watercourses; location of utilities, drainage facilities, and associated appurtenances; designated wetlands; and property lines and related information compiled from existing maps and records
- 5.1.4 Plan view and longitudinal profile of existing channel and crossings in the project area
- 5.1.5 Proposed improvements, including plan view and longitudinal profile of proposed channel in the project area as well as construction control points
- 5.1.6 Proposed grading
- 5.1.7 Proposed plan, cross section, and elevation of the bridge
- 5.1.8 Proposed staging and maintenance and protection of pedestrian traffic plan
- 5.1.9 Utility relocations
- 5.1.10 Typical cross sections
- 5.1.11 Proposed planting/restoration plans
- 5.1.12 Proposed water control during construction
- 5.1.13 Standard design details
- 5.1.14 Special design details
- 5.1.15 Proposed soil erosion and sedimentation controls
- 5.1.16 Sequence of construction
- 5.2 Preliminary Estimated Quantities and Cost Opinion – Prepare a preliminary opinion of probable construction cost.
- 5.3 Submittal – Submit copies of the preliminary design plans, preliminary cost opinion, and engineering report to the Town and project partners for their review and comment.
- 5.4 Submit the above information to the Town for review and comment.
- 5.5 Prepare written responses to design review comments prior to proceeding with final design.

#### **Task 6.0 – Regulatory Permitting Assistance**

- 6.1 Permit Application Preparation – Assist the Town in preparing application forms and supporting documentation. The following permits are anticipated:
  - Wetlands Protection Act (WPA) Notice of Intent (NOI) – Massachusetts Department of Environmental Protection and Plymouth Conservation Commission – Prepare and submit a WPA NOI (including necessary accompanying materials) to the Plymouth Conservation Commission and Massachusetts Department of Environmental Protection (MA DEP). This task includes abutter notification, production and distribution of the required number of copies of the NOI to the Plymouth Conservation Commission and MA DEP, attendance at the Conservation Commission site visit, and attendance at the public hearing (including up to two public meetings).
  - Chapter 91 Waterways License – MA DEP – Excluded from scope and fee, if required at a later stage of the project, SLR will provide a scope and fee.



- Section 404 Permit – USACE – Prepare and submit a Self-Verification Notification Form General Permit No. 10 Linear Transportation Projects and Stream Crossings. For this permit application, the design plan format will be modified as required to meet USACE plan submittal guidelines.

Filing fees and local advertising fee will be required for multiple permit applications, and these fees will be billed directly to the Town. If during design development it is determined by the regulatory agencies that additional permitting other than listed above is required these permit applications will be prepared under a separate contract amendment.

This scope of services assumes that the contractor will prepare and submit a National Pollutant Discharge Elimination System Stormwater Pollution Prevention Plan, Construction Dewatering Permit, and any other construction-related permits that may be required.

- 6.2 Application Review – Provide application review assistance as necessary based on comments and questions from the regulatory review agencies.

### **Task 7.0 – Final Design**

- 7.1 Based upon the approved Preliminary Design and agreed revisions, incorporate the review comments and prepare final design (90% Completion) plans and specifications.
- 7.2 Perform structural calculations.
- 7.3 Prepare technical specifications suitable for public bidding purposes. The Town will provide front end.
- 7.4 Prepare final quantity estimate, cost opinion, and calendar day chart.
- 7.5 Submit 90% Completion plans, special provisions, estimate, and calculations for review by the Town.
- 7.6 Meet with the Town to discuss the final design. Respond to review comments in writing.
- 7.7 Incorporate final review comments and prepare final plans and specifications for bidding.
- 7.8 Submit final plans and specifications for review by the Town.
- 7.9 Respond to review comments on the 100% submissions and incorporate changes to the final plans and specifications.
- 7.10 Provide ongoing utility coordination throughout final design. This shall include forwarding design submissions, conducting a utility field meeting, and requesting design reviews. Should utility design for relocations or attachments be necessary, the work will be designed by the utility companies or may be negotiated as extra work.
- 7.11 Provide hard copies and an electronic copy (PDF) of Final Bid documents to the Town for bidding. Prepare a CD for the Town containing applicable CAD files.

### **Task 8.0 – ADA-Compliant Walkway**

- 8.1 SLR will review the existing walkway leading to the pedestrian bridge and 50 feet on the west side for a turnaround spot. SLR will provide two layout plans for the Town's review.
- 8.2 Incorporate preferred alternative into 60% and 90% plans and construction documents.





## **Task 9.0 – Direct Expenses**

A direct cost allowance will be set up for out-of-pocket expenses associated with borings, traffic control, soil testing, printing, reproductions, mileage, legal advertisement, fixed-line mylars, and mailings. Invoices will be based on actual costs incurred plus 10 percent.

## **Time For Completion**

SLR will proceed with the services under this agreement promptly and diligently in accordance with the above scope following acceptance of this proposal. It is understood that this work may be subject to delays due to weather, stakeholder scheduling, strikes, or any other cause beyond the reasonable control of SLR. The estimated time required to complete the above-noted services is as follows:

1.0	Kickoff and Coordination Meetings .....	Ongoing
2.0	Survey and Base Mapping .....	4 weeks
3.0	Data Collection and Subsurface Exploration .....	4 weeks
4.0	Conceptual Design.....	4 weeks
5.0	Preliminary Design.....	4 weeks
6.0	Regulatory Permitting Assistance .....	12 weeks
7.0	Final Design .....	6 weeks
8.0	ADA-Compliant Walkway .....	2 weeks

## **Professional Fees**

The services described above will be performed on a lump sum basis broken down by task as follows:

			<b>Phase I Contract</b>
1.0	Kickoff and Coordination Meetings .....	(Hourly) \$16,900	<b>\$8,000</b>
2.0	Survey and Base Mapping .....	(Lump Sum) \$11,000	<b>\$11,000</b>
3.0	Data Collection and Subsurface Exploration .....	(Lump Sum) \$6,000	<b>\$6,000</b>
4.0	Conceptual Design.....	(Lump Sum) \$22,500	<b>\$22,500</b>
5.0	Preliminary Design.....	(Lump Sum) \$19,000	
6.0	Regulatory Permitting Assistance .....	(Lump Sum) \$14,500	
7.0	Final Design .....	(Lump Sum) \$24,500	
8.0	ADA-Compliant Walkway .....	(Lump Sum) \$13,000	

Direct expenses will be invoiced at cost with no markup or based on the attached rate schedule. Any such reimbursable or out-of-pocket costs shall be substantiated by receipt, vendor invoice, or other form of supporting detail. We recommend the Town budget the following amount for direct expenses:

9.0	Direct Expenses.....	<u>\$2,500</u>	
	<b>Estimated Project Total .....</b>	<b>\$129,900</b>	<b>Total = \$47,500</b>

## **Standard Terms and Conditions**

**Phase II = \$82,400**

This proposal is subject to our Standard Terms and Conditions, which are attached hereto and incorporated herein.

## **Exclusions and Limitations**

In submitting this proposal, we make no representation that the project will receive all necessary regulatory approvals.



The following work items are not included in this scope of work at this time:

1. Payment of permit application fees
2. Historic and/or archaeological surveys
3. Hazardous waste testing, studies, or abatement plans
4. Boundary or ROW survey and easement maps
5. Utility design, other than sewer main crossing the Town River at Boy Scout bridge
6. Traffic studies or preparation of traffic control plans
7. Natural Diversity Data Base studies

Should any of the above items or any additional services be required, they can be provided under supplemental agreement.

Note that on the basis of site observations performed, SLR will keep the Town informed as to the progress and quality of the work and shall endeavor to guard the Town against defects and deficiencies in the work and confirm that the work is proceeding in accordance with the contract documents. It is understood that SLR shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences, or procedures or have safety precautions and programs in connection with the work since these are the contractor's responsibility.

## Acceptance

If the above proposal meets with your approval, work may be initiated by signing a copy in the space provided below and returning it to us for our files.

We appreciate the opportunity to be considered for this project and look forward to your acceptance of our proposal and a continued pleasant and rewarding association.

If we can provide you with any additional information, please do not hesitate to contact either of the undersigned.

Regards,

**SLR International Corporation**



**Kishor Patel, PE**

Principal Structural Engineer, Structural Design Lead Engineering  
[kpatel@slrconsulting.com](mailto:kpatel@slrconsulting.com)



**Stephen R. Dietzko, PE**

US Operations Manager  
[sdietzko@slrconsulting.com](mailto:sdietzko@slrconsulting.com)

Enclosures

141.11982.p0029.j2125.prop

The above proposal and attached Standard Terms and Conditions are understood and accepted:

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

(Print name and title)



## 2025 US Discounted Rate Schedule

<b><u>SLR PROFESSIONAL SERVICES</u></b>	<b><u>HOURLY RATE</u></b>
Senior Advisor	\$340
Senior Principal	\$290
Principal 2	\$275
Principal 1	\$250
Senior 2	\$235
Senior 1	\$225
Associate 2	\$205
Associate 1	\$195
Project 2	\$180
Project 1	\$170
Staff 2	\$155
Staff 1	\$145
Chief Inspector	\$205
Senior Inspector	\$180
Inspector	\$165
Party Chief	\$170
Crew Member	\$130
Senior Draftsperson	\$145
Draftsperson/Technician	\$140
Administrative	\$110

Note: Time will be billed to the nearest ¼ hour



# **REIMBURSABLE EXPENSES**

# **RATE**

Bond Prints	\$ 2.00 Each
Large Bond Prints	\$ 3.00 Each
Fixed Line Mylars	\$75.00 Each
Color Plots/Mylars	\$30.00 Each
Large Color Plots/Mylars	\$45.00 Each
Photocopies – 8½ x 11	\$ 0.12 Per Copy
Photocopies – 11 x 17	\$ 0.24 Per Copy
Color Copies – 8½ x 11	\$ 1.25 Per Copy
Color Copies – 11 x 17	\$ 2.25 Per Copy
Binding 0-200 pages	\$ 6.00 Per Bound Copy
201 or more pages	\$ 7.50 Per Bound Copy
Board Mounting	\$25.00 Each
Each FedEx – \$0-\$25	\$25.00 Per FedEx
FedEx – Over \$25	Cost Per FedEx
Mileage	IRS Rate Per Mile

# **OTHER DIRECT CHARGES**

# **RATE**

Subcontractors, vendors, and other expenses	Actual cost +15%
Administrative charge	3% of Labor Charges
Expert witness testimony services (court and mediation)	50% Labor Surcharge

## SLR INTERNATIONAL CORPORATION STANDARD TERMS AND CONDITIONS

This Agreement, which shall include any attachments hereto, is by and between SLR International Corporation ("SLR" or "We") and the party that is the signatory to the Proposal or Engagement Letter that these terms and conditions are attached to ("Client" or "You") (each a "Party" and together the "Parties") and is entered into effective the date of the last signature hereto ("Effective Date"). The signing of this Agreement by the Client and SLR authorizes SLR to carry out and complete the Services as described in the Proposal or Engagement Letter that these terms and conditions are attached to in consideration of the mutual covenants set forth in this Agreement.

**1. SCOPE OF SERVICES:** SLR will provide as-requested services ("Services"). Services will be performed pursuant to the Proposal Engagement Letter that these terms and conditions are attached to or the Engagement Letter that terms and conditions are attached to, which shall be incorporated herein and made part of the Agreement. You authorize us to act on instructions, consistent with the agreed scope of Services, which are given in any manner, if we reasonably believe that You or a person with authority to act on your behalf has given those instructions. Any conflicting terms and conditions of purchasing associated with a Purchase Order will be disregarded and the terms and conditions of this Agreement shall prevail.

**2. FEE FOR SERVICES:** SLR's fee for the Services shall be provided either on a time and materials or fixed fee basis, as established in the Proposal or Engagement Letter that these terms and conditions are attached to. SLR's applicable rates will be listed in the attached Rate Schedule or the Engagement Letter that these terms and conditions are attached to. SLR may adjust its rates from time to time, provided however, that Client shall be provided at least thirty days advance written notice of such adjustment. The Client's obligation to pay for the Services performed under this Agreement is in no way contingent upon Client's ability to obtain financing, zoning, approval of governmental or regulatory agencies, favorable judgment of lawsuit, or upon Client's successful completion of the Project.

**3. EXTRA SERVICES:** SLR may also perform consulting tasks in addition to the Services ("Extra Services" or "Changes"), subject to the Parties' mutual written agreement and the terms of this Agreement.

**4. PAYMENT TERMS:** SLR will, on a monthly basis, or upon the completion of the Services, or as otherwise described in the Proposal or Engagement Letter that these terms and conditions are attached to, submit invoice(s) for the un-billed portion of Services actually completed. Client agrees to pay the invoiced amounts within thirty (30) days from the date of the invoice. Any payment that is not received by SLR within said 30 days shall be considered delinquent. SLR reserves the right to include a late payment charge, at a rate of 1 percent per month, for each month an invoice is delinquent. Failure to charge late payment charges will not affect SLR's right and ability to do so going forward. SLR may suspend or terminate any and all of the Services, if payment of any invoiced amount not reasonably in dispute is not received by SLR within 60 days from the date of SLR's invoice. Such suspension of services is done without waiving any other claim against Client and without incurring any liability to Client for such suspension due to Client's breach of payment terms. Termination shall not relieve Client of its obligation to pay amounts incurred up to termination.

**5. TERM:** The Term of this Agreement shall commence on the Effective Date and shall continue until terminated by one of the Parties in accordance with these terms, or until work under the Proposal or Engagement Letter that these terms and conditions are attached to.

### 6. SLR RESPONSIBILITIES

(a) Standard of Performance: SLR will perform the Services using that degree of skill and care ordinarily exercised under similar conditions by reputable members of the profession practicing in the same or similar locality at the time of performance. SLR shall comply with all applicable federal, state, and local laws, rules, and regulations in performing the Services.

(b) Except where the Proposal or Engagement Letter that these terms and conditions are attached to specifically includes provision of such advice or consideration, the obligations of SLR under this Agreement do not include a duty to advise or undertake any investigation to determine regulatory compliance, the actual or possible presence of pollution, asbestos containing materials, infestation, actual or possible presence of protected or invasive species, or contamination at the Client's site(s) or as to the risks of such matters having occurred, being present or occurring in the future nor shall SLR have any duty to consider such matters as influencing any aspect of the Services to be performed by SLR under this Agreement.

(c) Where the Proposal includes a site or environmental assessment, audit, review or investigation which includes the interpretation, interpolation or extrapolation of data from discrete sampling and/or observation locations and/or discrete times, the Client accepts and agrees that these data may not represent actual conditions at other such locations or at other times and that SLR's conclusions and recommendations based on such data are statements of professional opinion and not statements of fact. Although SLR will carry out such Services and provide its conclusions and recommendations with reasonable skill, care and diligence, it accepts no liability if the actual conditions at other locations or at other times are different from those described in SLR's conclusions or recommendations.

(d) If the Proposal or Engagement Letter that these terms and conditions are attached to includes construction observation or observation of explorations, then, on the basis of site observations performed, SLR will keep the Client informed as to the progress and quality of the work and shall endeavor to guard the Client against defects and deficiencies in the work and confirm that the work is proceeding in accordance with the contract documents. SLR shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences, or procedures or have safety precautions and programs in connection with the work since these are the contractor's responsibility. Observations provided by SLR are solely for the benefit of the Client.

## **7. CLIENT RESPONSIBILITIES**

(a) The Client shall ensure that its employees, agents, other consultants, and contractors act reasonably and give such assistance and co-operation as shall reasonably be required by SLR in the performance of the Services.

(b) The Client shall ensure that its decisions, instructions, consents, or approvals on or to all matters properly requiring such shall be given in such reasonable time so as not to delay or disrupt the performance of the Services by SLR.

(c) Client shall arrange for access to and make all provisions for SLR to enter upon public and private property as required for SLR to perform the Services. SLR will assist Client in obtaining access, if requested by Client and is part of the Proposal or Engagement Letter that these terms and conditions are attached to. Client, at its expense, shall furnish approvals and permits from all governmental authorities having jurisdiction over the Client's project and such approval and consents from others as may be necessary for completion of the Services, unless otherwise arranged for in writing with SLR.

(d) Client is responsible for informing SLR of the locations of any underground structures or utilities. Client will provide all necessary and relevant data and information, including underground services, structures or artificial obstructions and details of the services to be performed by any contractors or consultants, and shall ensure such data is accurate and complete. SLR shall be entitled to rely on such information and will not be responsible for any damage to underground services, structures or obstructions or for any damage, claims, expenses or loss arising as a result of such excavating, boring, probing or the like below existing ground level, unless the locations of the underground services, structures or artificial obstructions on Site are accurately shown on the Client furnished drawings or plans. SLR will not be responsible for inadvertent damage to underground structures or utilities that were not made known to SLR prior to the start of obtrusive activities such as digging or drilling.

(e) The Client acknowledges that it has a duty of care with respect to the health and safety of SLR's employees while they are on the Client's premises or on sites controlled by the Client and confirms it will comply with all applicable health and safety legislation. The Client acknowledges SLR's right to stop work under any circumstances where SLR or its employees consider commencing or continuing their activities would either be unsafe or pose an unacceptable risk to themselves or others. In such circumstances the Parties will engage as soon as is practicable to agree a resolution to allow work to resume.

(f) Client agrees to advise SLR upon execution of this Agreement of any hazardous substance or material or any other condition, known or that reasonably should be known by Client, existing in, on, or near the site that presents or may present a potential danger to human health, the environment, or SLR's equipment. Client agrees to notify SLR immediately of new, different, or additional information, as it becomes available to the Client. Client shall also, upon execution of this Agreement, provide SLR with copies of any written emergency response procedures for the site as well as information about any safety or other hazards at the site, and a copy of any written health and safety program that may exist for the site.

**8. FORCE MAJEURE:** Neither Party to this Agreement shall be liable to the other Party for delays in performing the Services that may result from strikes, riots, war, acts of terrorism, acts of governmental authorities, extraordinary weather conditions or other natural catastrophe, or any other cause beyond the reasonable control or contemplation of either Party ("Force Majeure"). Occurrence of a Force Majeure event does not relieve Client of its payment obligations for Services previously rendered hereunder.

**9. HAZARDOUS SUBSTANCES:** If state or federally regulated hazardous, toxic or dangerous wastes as defined by state or federal regulations (hereinafter "Wastes") are encountered at the site, and if these Wastes require handling, transportation or disposal at an off-site facility, SLR may assist in advising the Client of the Client's options. However, SLR will not "arrange" (as defined in 42 U.S.C. 9607) for disposal of, accept title to, sign manifests for, take control of, or be deemed a "generator" of any Wastes. Client shall defend, indemnify and hold SLR harmless from any claims, damages, fines and fees, litigation or expenses, arising out of or in any way related to the presence of Wastes on or beneath the site where the Services are to be performed, or the handling, transportation and disposal of any Wastes" in the course of SLR's performance of this Agreement, including any repair, cleanup or detoxification thereof, or preparation and implementation of any removal, remedial, response, closure or other plan with respect thereto (regardless of whether undertaken due to governmental action). This indemnity of SLR is intended to operate as an agreement pursuant to, but not limited to, Section 107(e) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA") 42 U.S.C. Section 9607(e), to hold harmless, defend and indemnify SLR from liability in accordance with this section.

**10. NO WARRANTY, NO THIRD-PARTY BENEFICIARIES:** NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED BY THIS AGREEMENT OR BY OUR ORAL OR WRITTEN REPORTS PROVIDED PURSUANT TO THIS AGREEMENT. It is recognized that the Services performed by SLR are for the benefit of the Client and no other entity. There are no collateral warranties made hereunder and there are no third-party beneficiaries to this Agreement. Client's sole remedy for SLR's failure to meet the Standard of care shall be SLR's re-performance of the deficient Services at no additional cost to You.

**11. INTELLECTUAL PROPERTY RIGHTS AND DELIVERABLES:** All hard paper copies of deliverables, including, and limited to, any and all reports, drawings, plans, and specifications prepared by SLR hereunder shall be delivered to Client upon final payment for SLR's Services. Deliverables may not be used or reused by Client, its employees, agents, or subcontractors in any extension of the Services or on any other project or any other use without the prior written consent of SLR, and any such use shall be at Client's own risk. All originals of such deliverables shall remain in possession of and the property of SLR. Copies of any electronic media of originals of any of SLR's deliverables, such as designs, specifications, calculations, CAD documents, etc., shall not be made available unless a specific agreement is made to the contrary in the Proposal. All the drawings, plans,



specifications, and deliverables prepared by SLR are instruments of SLR's service, and SLR shall be deemed the author of them and will retain all common law, statutory, and other reserved rights, including copyright, to them.

**12. TAXES:** Any charges payable under this Agreement are exclusive of any applicable taxes, tariff surcharges or other like amounts assessed by any governmental entity arising as a result of the provision of the Services by the SLR to the Client under this Agreement and such shall be payable by the Client to the SLR in addition to all other charges payable hereunder. Notwithstanding the foregoing, each Party is responsible for the payment of all taxes assessed on its own business operations, such as income or franchise taxes.

**13. ASSIGNMENT:** Neither SLR nor Client shall assign this Agreement (except Accounts Receivable) without the prior consent of the other Party, which shall not be unreasonably withheld. SLR may, however, employ any other Party or entity it deems necessary or proper for any part of the work required to be performed by SLR under the terms of this Agreement. Notwithstanding the foregoing, either Party may assign this Agreement to a successor in interest or affiliate upon notice to the other party.

**14. INDEMNITY:** Each Party shall indemnify the other Party, its officers, directors, partners, employees, and representatives, from and against losses, damages, and judgments arising from claims by third parties, including reasonable attorneys' fees and expenses recoverable under applicable law, but only to the extent they are found to be caused by a negligent act, error, or omission of the indemnifying Party in the performance of services under this Agreement. Each Party has an affirmative obligation to notify the other Party of any claims of injury or damage subject to this indemnity. Such indemnity shall exclude damages to the extent they arise as a result of any grossly negligent actions or omissions, willful or reckless misconduct, or fraud by the indemnified Party or its employees, officers, owners, directors or agents. Each party hereto hereby waives any and every claim which arises or may arise in its favor and against the other party hereto which arises during the course of performance hereunder, for any and all loss or damage, which loss or damage is covered by valid and collectible insurance policies, to the extent that such loss or damage is recoverable under such policies.

**15. DISPUTES:** (a) If any dispute, difference or claim arises out of or in connection with this Agreement (including any question regarding its existence, validity or termination) a representative from SLR and a representative of the Client with authority to settle the dispute will, within seven days of a written request from one Party to the other, meet in good faith to resolve the dispute or difference. (b) If agreement in respect of the dispute or disagreement cannot be reached at such meeting or within such time period after the meeting agreed by the Parties, then such dispute or difference shall be addressed through mediation. Within a reasonable time, the Parties shall seek the assistance of a Mediator agreed by the Parties and shall share the costs thereof. (c) If no settlement has been reached within three months of the first appointment of a Mediator or such other date as agreed between the Parties, the mediation shall be deemed to have been unsuccessful and the dispute may be resolved by appropriate litigation, subject to the choice of law, jurisdiction, and venue provisions contained herein. (d) Any claim of whatever nature brought by Client against SLR shall be brought not later than two years after the date of substantial completion of SLR's services hereunder or the expiration of the appropriate statute of limitations, whichever is earlier. (e) In the event of litigation under this Agreement, the prevailing Party shall be entitled to reasonable attorneys' and experts' fees and other costs and expenses incurred directly or indirectly at trial, or appeal. Neither Party shall be entitled to the recovery of expert or attorneys' fees, or their respective costs or expenses, as a result of mediation of a dispute

**16. LIMIT OF LIABILITY:** The entire liability of SLR and SLR's agents, representatives and employees shall be limited to the total amount actually paid to SLR by the Client for Services performed under the Proposal or Engagement Letter that these terms and conditions are attached to and pursuant to which the claim arose.

**17. CONSEQUENTIAL DAMAGES:** In no event shall either Party to this Agreement be liable for any lost profits or revenue; loss of use or opportunity; loss of good will; costs of substitute facilities; cost of capital; or for any special, consequential, indirect, or punitive damages.

**18. CONFIDENTIALITY AND PROTECTION OF DATA:** Any proprietary data provided by either Party to the other will be kept strictly confidential, will only be accessible to selected staff, and will only be used for the performance of each Party's obligations hereunder. In addition, each Party will comply with its obligations under applicable data protection legislation in the jurisdiction in which it operates. If no such legislation exists, SLR confirms it will comply with the requirements of the UK Data Protection Act 2018 in respect of any personal data provided to it by the Client and reserves the right to seek confirmation of the data protection procedures the Client will apply to personal data provided by SLR. A previously signed nondisclosure agreement between the parties may be made a part hereof by written amendment.

**19. INDEPENDENT CONTRACTOR:** SLR is an independent contractor. Neither SLR nor its employees, agents or subcontractors are to be construed as the agents, servants, partners, joint venturers, or employees of Client or to have authority to act for or on behalf of the Client. Without limiting the generality of the foregoing, nothing in this Agreement shall authorize SLR to make any contract, agreement, warranty, or representation on behalf of Client or to incur any debt or other obligation in Client's name.

**20. NON-WAIVER:** The failure of any Party to enforce its rights under any provision of this Agreement shall not be construed to be a waiver of such provision. No waiver of any breach of this Agreement shall be held to be a waiver of any other breach.

**21. ENTIRE AGREEMENT, ORDER OF PRECEDENCE, SURVIVAL:** This Agreement constitutes the entire agreement between Client and SLR regarding the Services and supersedes all prior or contemporaneous oral or written representations or agreements. This Agreement shall not be modified except by a document signed by both Parties and in writing. In the event of any inconsistency between any of the documentation which makes up this Agreement, the Agreement shall be interpreted in the following order of priority: (1) the Proposal or Engagement Letter that these terms and conditions are attached to, together with agreed amendments or modifications thereto; (2) this Agreement, as amended by the Parties. All

obligations arising prior to the termination of this Agreement (including without limitation the provisions of Section 11) and all provisions of this Agreement allocating responsibility or liability between Client and SLR shall survive the completion of Services hereunder and the termination of this Agreement.

**22. COMPLIANCE WITH BRIBERY ACT:** Client must hereby agree that it: shall comply with the U.S. Foreign Corrupt Practices Act (the "FCPA"), and (because the parent company of SLR is headquartered in the United Kingdom) the UK Bribery Act 2010 (the "Bribery Act") and shall procure that no persons associated with the Client (including an employee, sub-contractor or agent or other third Party working on behalf of the Client or any Group Company) ("Associated Person") shall commit any offense that would violate either the FCPA or the Bribery Act or any act which would constitute a Bribery Offense (as defined in the Bribery Act); (b) has in place, and shall maintain until termination of this Agreement, adequate procedures designed to prevent any Associated Person from committing a violation of the FCPA or a Bribery Offense; (c ) shall not do or permit anything to be done which would cause SLR or any of SLR's employees, sub-contractors or agents to commit a violation of the FCPA or a Bribery Offense or incur any liability in relation to the FCPA or the Bribery Act; and (d) shall notify SLR immediately in writing if it becomes aware or has reason to believe that it has, or any of its Associated Persons have, breached or potentially breached any of the Client's obligations under this clause. Such notice to set out full details of the circumstances concerning the breach or potential breach of the Client's obligations.

**23. NON-EXCLUSIVITY:** Client understands and acknowledges that SLR has other business interests in addition to the Services to be performed under this Agreement, and, subject to any applicable restrictions on the use of Client provided information, SLR shall not be prevented or barred from rendering services of any nature for or on behalf of any other person, firm, corporation or entity.

**24. SUCCESSOR INTERESTS:** The covenants, conditions and terms of this Agreement shall extend to and be binding upon and inure to the benefit of the heirs, personal representatives, successors and assigns of the Parties hereto.

**25. TERMINATION OR SUSPENSION:** Either Party may terminate this Agreement upon ten (10) days written notice to the other. Either Party may terminate this Agreement in the event of a material breach by the other Party but only if said breach is through no fault of the terminating Party and said breach is not corrected before expiration of a reasonable cure period. The Client may at any time by not less than two (2) weeks' notice require SLR to suspend the performance of all or any part of the Services for a specified or unspecified period. On notice of suspension of all or any part of the Services SLR shall cease such suspended Services in an orderly and economical manner compatible with a possible order to restart. If this Agreement is suspended or terminated for any reason, Client shall pay SLR for all Services and Extra Services previously authorized and performed up through the termination date. If Client requests a restart of the Services following a suspension of greater than ninety days, SLR may charge the Client a reasonable restart fee. Lump sum fees, if applicable, quoted in this Agreement shall remain valid for a period of twelve (12) months from the Effective Date, unless otherwise agreed in writing. Thereafter, they may be adjusted in accordance with SLR's current rate structure. Hourly personnel rates may be adjusted on an annual basis.

**26. CHOICE OF LAW:** The validity, interpretation, construction and performance of this Agreement shall be governed by the laws of the State of Washington, without giving effect to its conflict of laws principles, and any litigation hereunder shall be brought in the state or federal courts located within the State of Washington.

**27. COUNTERPARTS:** This Agreement may be executed in counterparts (and by electronic means, e.g., DocuSign), each of which shall be deemed an original, but all of which together will constitute one and the same instrument.

January 27, 2025

Mr. David Gould  
Director of Marine and Environmental Affairs  
Town of Plymouth  
26 Court Street  
Plymouth, MA 02360

SLR Project No.: 141.P50741.00001

SLR Client No.: 11982

**RE: Boy Scout Bridge over Town Brook Inspection  
Plymouth, Massachusetts**

---

Dear David,

On December 14, 2024, I, as a representative of SLR International Corporation (SLR), performed a visual inspection of the "Boy Scout Bridge." The goal of the recent investigation was to visually assess the condition of the structure.

The bridge is located approximately 60 feet east off Billing Street as shown on the location map. The bridge was constructed in 1973 per Town of Plymouth records.

Per my visual inspection and measurements, the three-span bridge is approximately 60 feet in length, with each span being approximately 20 feet in length. The covered bridge has a clear walking height of 7 feet from deck to the cross brace and a 42-inch clear walking surface. The bridge deck consists of 2 by 6 timber boards that are supported on a steel girder superstructure. The superstructure is supported on stone abutments and piers. See Figure 1 for elevation view and attached photos.

Generally, the covered bridge is in critical condition. It appears the flow from Town Brook has caused mortar loss and dislodging/missing stone in the lower 3 to 4 feet of the piers. The piers also show sign of scour around them. The abutments have missing mortar and dislodged stones as well with horizontal cracks.

The two main steel girders have significant section loss and delamination. There is a third girder on the south side to carry the sewer main. The roof has significant moss and vegetation growth on it, and the members are in critical condition.

It is our recommendation that the covered bridge be replaced. The piers have significant loss of stones and scour around them; the main steel girders have major section loss with delamination. The bridge is in critical condition and should be replaced. The bridge shall be evaluated after each large storm until the bridge has been replaced.

Please do not hesitate to call me at 203-271-1773 if you have any further questions.

Regards,

**SLR International Corporation**



**Kishor Patel, PE**  
Principal Structural Engineer, Structural Lead  
[kpate1@slrconsulting.com](mailto:kpate1@slrconsulting.com)

Attachments

141.11982.00029.j2725.ltr

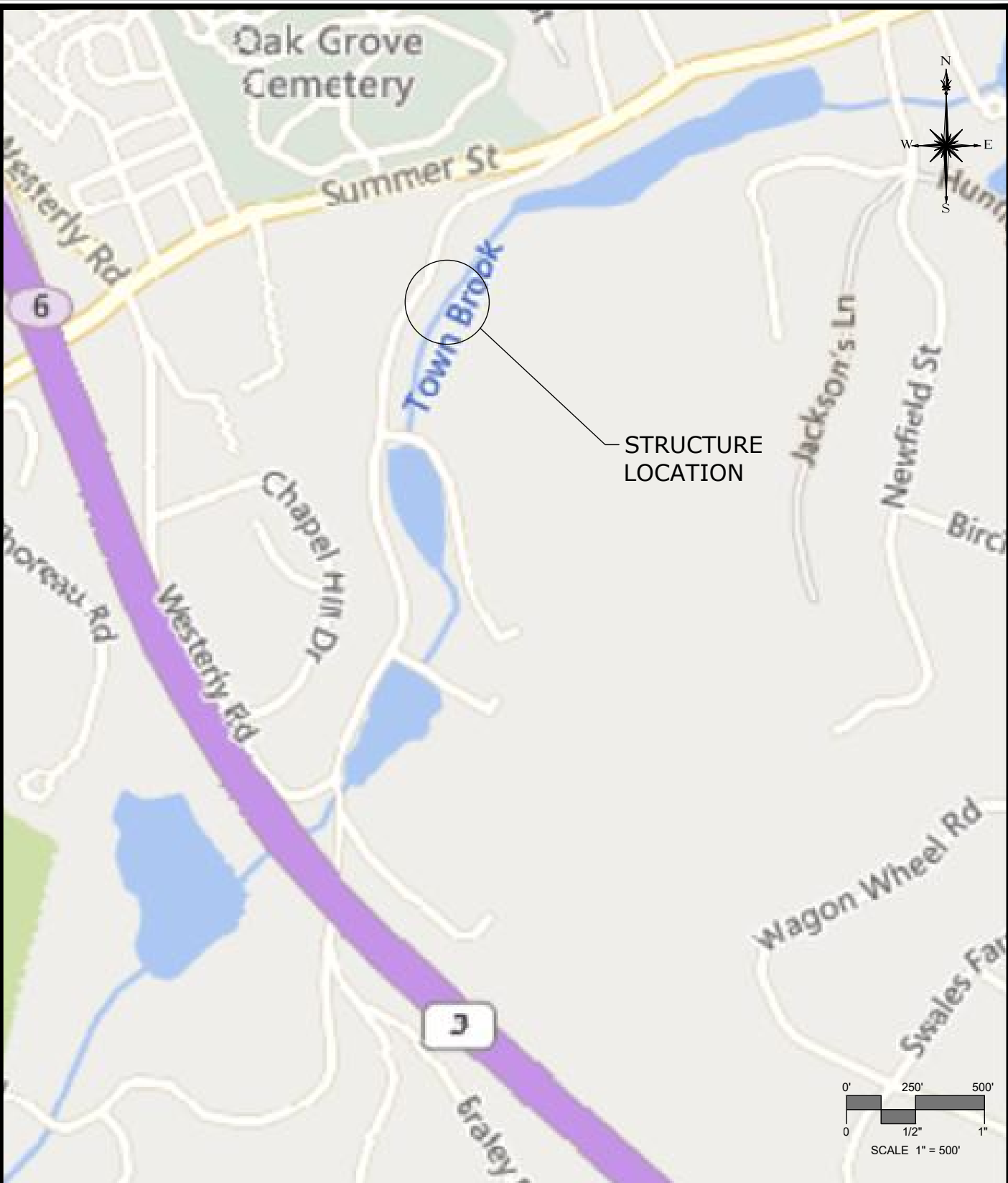




Drawing: W:\CADD\DESIGN\11982.00025-DE\CAD\LOCATION MAP.DWG Layout Tab8.SX11V

Plotted by: SAMANHA FOSSICK

On this date: Mon, 2025 January 27 - 4



99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM

**LOCATION MAP**

**BOY SCOUT BRIDGE INSPECTION**

**OFF-BILLINGTON STREET  
PLYMOUTH, MASSACHUSETTS**

PROJECT PHASE: **FOR CONSTRUCTION**

REV: ---

DATE **DEC. 14, 2024**

SCALE **1"=500'**

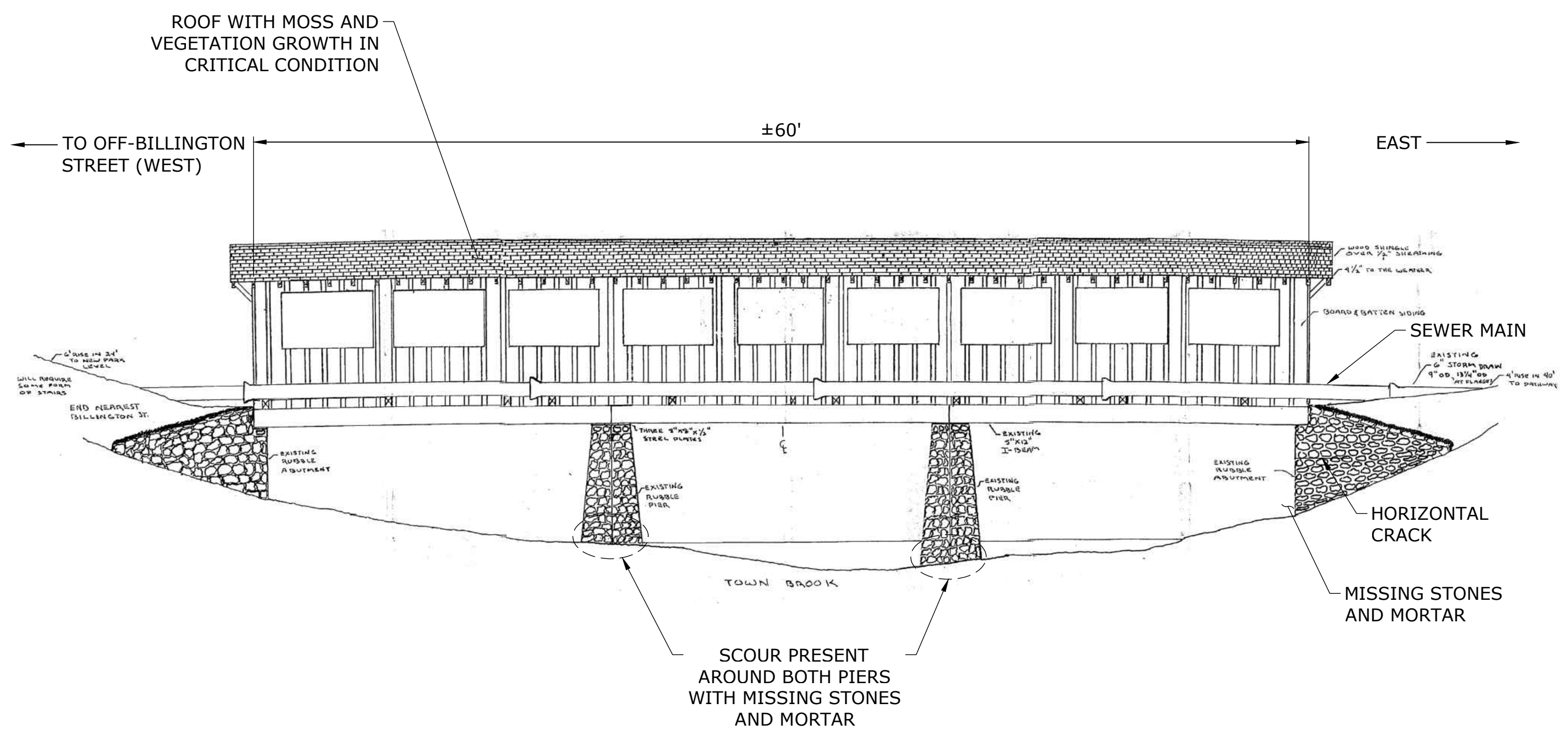
PROJ. NO. **11982.00025**

DESIGNED	DRAWN	CHECKED
---	---	---


DRAWING NAME:

**FIG. 1**

Drawing: W:\CAD\DESIGN\11982\00025-DE\CAD\ELEVATION VIEW.DWG LAYOUT TAB:11X17  
Plotted by: SAVANNAH ROSSICK On this date: Mon, 2025 January 27 - 4:14



- NOTE:**
- DEBRIS AT BOTH ABUTMENT SEATS.
  - BRIDGE DECK IN POOR CONDITION.
  - STEEL GIRDERS IN CRITICAL CONDITION WITH SECTION LOSS AND DELAMINATION.
  - BRIDGE IS 3'-6" WIDE (WALKING SURFACE)



**SLR**

98 REALTY DRIVE  
CHESHIRE, CT 06410  
203.237.5000  
SLRCONSULTING.COM

REVISIONS	

**ELEVATION - BOY SCOUT BRIDGE**

**BOY SCOUT BRIDGE**

OFF-BILLINGTON STREET  
PLYMOUTH, MASSACHUSETTS

DESIGNED	DRAWN	CHECKED

SCALE: N.T.S.

DATE:  

PROJECT NO:  

**FIG. 2**

SHEET NO:





231 MAIN STREET, SUITE 102  
NEW PALTZ, NY 12561  
845.633.8153  
SLRCONSULTING.COM

JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 1 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

01

PHOTO: IMG\_1231.jpg

DESCRIPTION:

- LOOKING DOWNSTREAM (NORTH) AT COVERED BRIDGE
- SEWER MAIN ATTACHED UPSTREAM OF BRIDGE (SOUTH)



PHOTO NUMBER:

02

PHOTO: IMG\_1181.jpg

DESCRIPTION:

- STAIRS LEADING DOWN TO COVERED BRIDGE
- LOOKING EAST







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CREW: KP

FIELD NOTES

SHEET 2 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

03

PHOTO: IMG\_1191.jpg

DESCRIPTION:

- EAST END OF BRIDGE



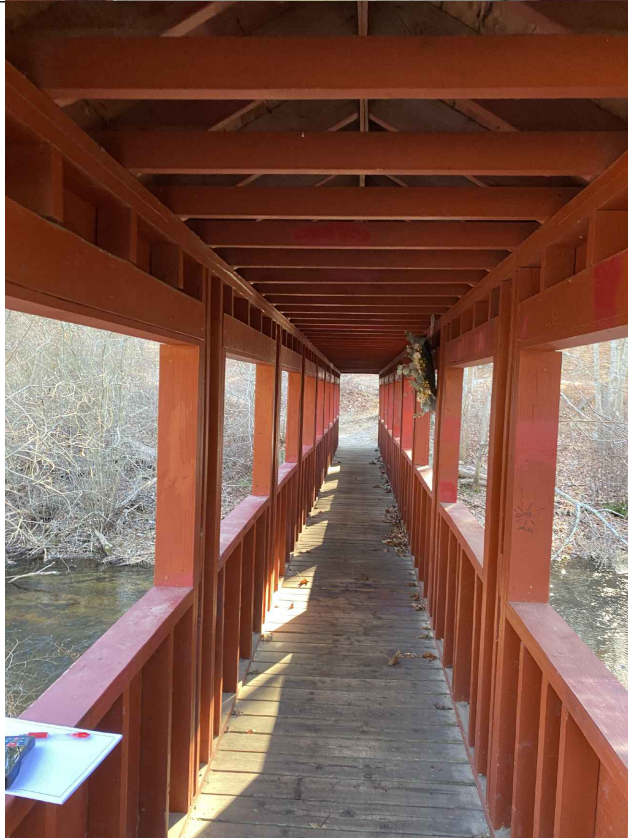
PHOTO NUMBER:

04

PHOTO: IMG\_1185.jpg

DESCRIPTION:

- LOOKING EAST AT TYPICAL BRIDGE DECK.
- TYPICAL SECTION OF COVERED BRIDGE.





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845.633.8153  
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CREW: KP

FIELD NOTES

SHEET 3 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

05

PHOTO: IMG\_1184.jpg

DESCRIPTION:

- TOP OF BRIDGE DECK - IN POOR CONDITION

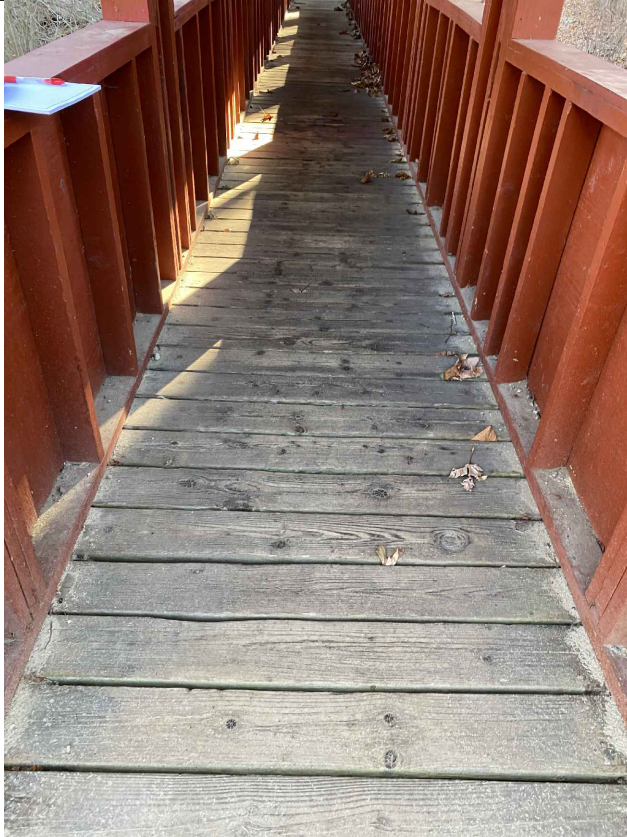


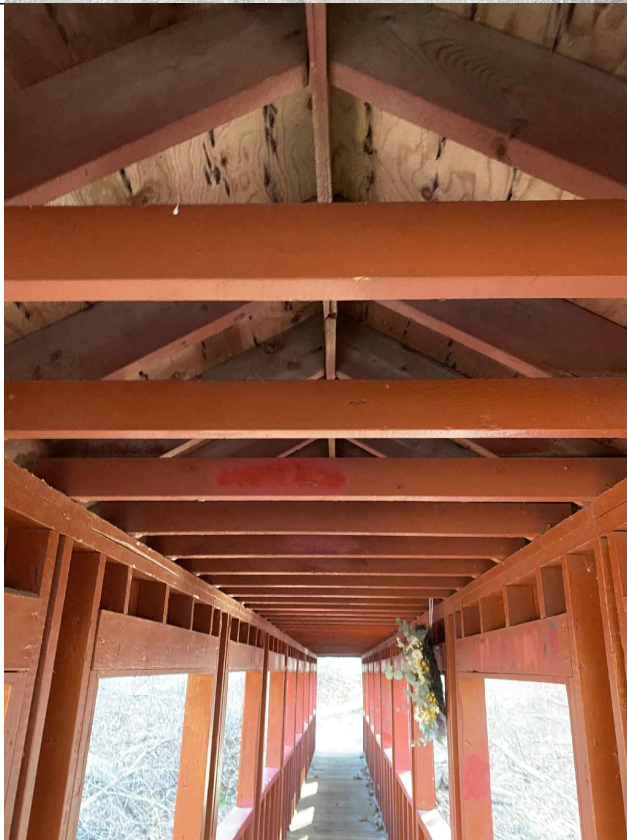
PHOTO NUMBER:

06

PHOTO: IMG\_1186.jpg

DESCRIPTION:

- ROOF TRUSSES ON COVERED BRIDGE
- UNDERSIDE OF ROOF IN POOR CONDITION







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NEW PALTZ, NY 12561  
845.633.8153  
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JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 4 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

07

PHOTO: IMG\_1194.jpg

DESCRIPTION:

- LOOKING WEST OF COVERED BRIDGE WITH SEWER MAIN



PHOTO NUMBER:

08

PHOTO: IMG\_1225.jpg

DESCRIPTION:

- LOOKING EAST OF COVERED BRIDGE SIDE WITH SEWER MAIN.







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NEW PALTZ, NY 12561  
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JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 5 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

09

PHOTO: IMG\_1202.jpg

DESCRIPTION:

- DOWNSTREAM ELEVATION VIEW OF BRIDGE SUPPORTED ON STONE ABUTMENTS AND PIERS.
- NOTE BOTH PIERS HAVE SIGNIFICANT MORTAR LOSS AND MISSING STONES DUE TO SCOUR.



PHOTO NUMBER:

10

PHOTO: IMG\_1210.jpg

DESCRIPTION:

- UPSTREAM SIDE ELEVATION VIEW OF BRIDGE SUPPORTED ON STONE ABUTMENTS AND PIERS.
- NOTE BOTH PIERS HAVE SIGNIFICANT MORTAR LOSS AND MISSING STONES DUE TO SCOUR







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NEW PALTZ, NY 12561  
845.633.8153  
SLRCONSULTING.COM

JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 6 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

11

PHOTO: IMG\_1204.jpg

DESCRIPTION:

- EAST ABUTMENT ELEVATION



PHOTO NUMBER:

12

PHOTO: IMG\_1206.jpg

DESCRIPTION:

- EAST ABUTMENT ELEVATION
- MISSING STONES AND MORTAR
- UNDERSIDE OF BRIDGE







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NEW PALTZ, NY 12561  
845.633.8153  
SLRCONSULTING.COM

JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 7 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

13

PHOTO: IMG\_1217.jpg

DESCRIPTION:

- STONE PIERS WITH MISSING STONES AND MORTAR DUE TO SCOUR.



PHOTO NUMBER:

14

PHOTO: IMG\_1207.jpg

DESCRIPTION:

- STONE PIER WITH MISSING STONES AND MORTAR DUE TO SCOUR.







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SLRCONSULTING.COM

JOB NO. 11982.00025

CREW: KP

FIELD NOTES

SHEET 8 OF 9

DATE: 12/14/2024

LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

PHOTO NUMBER:

15

PHOTO: IMG\_1199.jpg

DESCRIPTION:

- BRIDGE DECK SUPPORTED ON STEEL GIRDERS



PHOTO NUMBER:

16

PHOTO: IMG\_1222.jpg

DESCRIPTION:

- STEEL GIRDER SUPPORTING SEWER MAIN





231 MAIN STREET, SUITE 102  
NEW PALTZ, NY 12561  
845.633.8153  
SLRCONSULTING.COM

JOB NO. 11982.00025

CREW: KP

## FIELD NOTES

SHEET 9 OF 9

DATE: 12/14/2024

### LOCATION:

BOY SCOUT BRIDGE OVER TOWN BROOK  
PLYMOUTH, MASSACHUSETTS

DESCRIPTION: PHOTO SHEET

### PHOTO NUMBER:

17

PHOTO: IMG\_1219.jpg

### DESCRIPTION:

- BRIDGE SEAT WITH DEBRIS



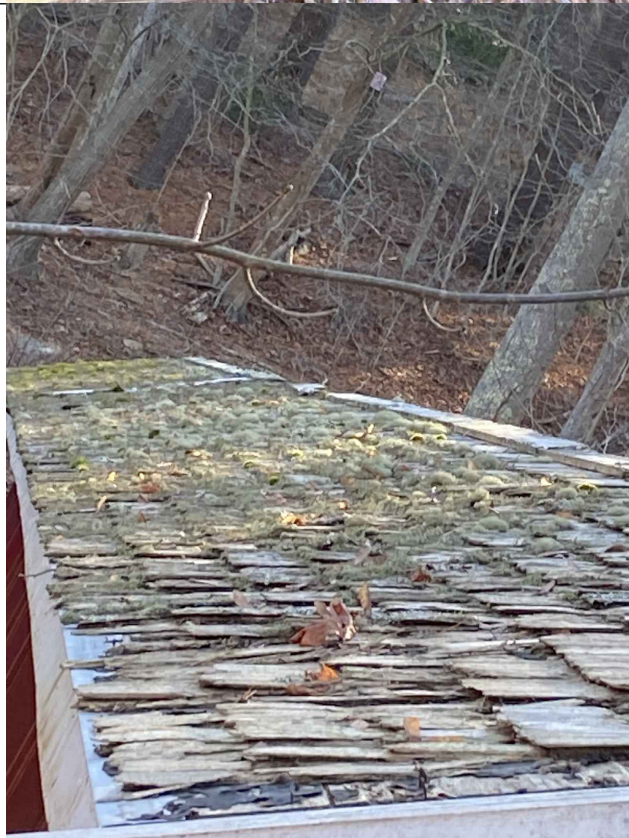
### PHOTO NUMBER:

18

PHOTO: IMG\_1228.jpg

### DESCRIPTION:

- MOSS AND DEBRIS ON COVERED BRIDGE ROOF - IN CRITICAL CONDITION







**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Energy and Environment	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Replace ME2	<b>Total Project Cost:</b>	\$64,011

**Department/Division Head:** David Gould

**Check if project is:**    New ☒    Resubmitted ☐      **Cost estimate was developed:**    Internally ☐    Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** The vehicle would be eligible for a \$7,500 MA DEP EV reimbursement.

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY28</i>		
<i>Labor and Materials</i>			<i>FY29</i>		
<i>Administration</i>			<i>FY30</i>		
<i>Land Acquisition</i>			<i>FY31</i>		
<i>Equipment</i>	\$64,011		<i>FY32</i>		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	<b>\$64,011</b>				

**Project Justification and Objective:** ME2 is a 2006 Ford F250 with 105,527 miles. It has significant rot in the undercarriage below the truck bed and has had extensive body repair work to the rear quarters (rot) twice over the last 3 years to pass annual vehicle inspections. The rear bumper is in need of replacement. This vehicle tows the trailer and mower to maintain conservation properties and tows the mobile wildlife trailer, too.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2006 Ford F250, VIN # 1FT7X2B68GEB25879

**What is the expected lifespan of this new/replacement equipment:** 10-12 years

**Attach backup information, estimates, or justification to support this request.**



**Town of Plymouth**  
**Department of Energy & Environment**  
26 Court Street, Plymouth, MA 02360



# MEMO

**To:** Derek Brindisi, Town Manager  
**From:** David Gould, Director of Energy and Environment  
**Re:** **SATM Capital Request – Replacement of ME2**  
**Date:** September 17, 2025

Please consider this memorandum as supporting documentation to the Spring Town Meeting request to replace ME2, a 2006 Ford F250 pickup truck. As of September 2025, the vehicle had 105,527 miles on it. It has had body work completed on the rear quarters (rot) twice over the last 3 years to pass annual vehicle inspections. The rear bumper is currently in need of replacement to pass its next inspection. The bed rails supporting the truck bed are also deteriorating thereby limiting its usefulness to haul material.

This vehicle is heavily used and tows the trailer and mower used to maintain town-owned conservation properties. It is our primary work truck when we do field work including clearing trails, brush clearing, and invasive vegetation removal. In addition, it tows the mobile wildlife trailer as part of our education and outreach activities.

The truck is an integral part of our daily operations and maintenance of our conservation land. In accordance with town policy, it will be replaced with an EV truck capable of handling the required workload and is eligible for the MA DEP \$7,500 reimbursement bringing the total cost to the Town to \$56,511. Should you have any questions please contact me at your earliest convenience. Thank you.

C: Lynne Barrett, Finance Director

**Sandra Strassel**

---

**Subject:** FW: Mass EVIP - Chevy Silverado EV Trail Boss

---

**From:** Michael Cahill <mcahill@plymouth-ma.gov>  
**Sent:** Monday, September 8, 2025 8:52 AM  
**To:** Mark Brulport <mbrulport@plymouth-ma.gov>; David Gould <DGould@plymouth-ma.gov>; Sarah McCormack <smccormack@plymouth-ma.gov>  
**Subject:** FW: Mass EVIP - Chevy Silverado EV Trail Boss

Just received confirmation from DOER. The Silverado EV Trail Boss will be eligible for the \$7,500 rebate. After that, rebate the price will be \$56,511.

-Mike

---

**From:** MassEVIP MassDEP (DEP) <MassEVIP.MassDEP@mass.gov>  
**Sent:** Friday, September 5, 2025 3:54 PM  
**To:** Michael Cahill <mcahill@plymouth-ma.gov>  
**Subject:** RE: Mass EVIP - Chevy Silverado EV Trail Boss

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Michael,

Yes, since the price of the base model is less than \$60,000.00, then this vehicle could be eligible for MassEVIP.

Let me know if you have any additional questions.

Best,

**Katherine Christopher** (she/her)

Environmental Analyst

Massachusetts Dept. of Environmental Protection

100 Cambridge St., Suite 900, Boston, MA 02114

[Katherine.Christopher@Mass.Gov](mailto:Katherine.Christopher@Mass.Gov)

Department of Environmental Protection | MassDEP

(781) 915-9678





# Quote

Company/Dept:	Plymouth, MA Energy & Enviroment	Date:	August 25, 2025
Contact:	Mark Brulport	Quote #:	1
Street Address:	26 Court Street	Revision #:	
City, State, Zip:	Plymouth, MA 02360	Customer ID:	
Phone:	781-626-0642	Sales Rep:	Robert. P
E-Mail:	<a href="mailto:mbrulport@plymouth-ma.gov">mbrulport@plymouth-ma.gov</a>	Contract:	PCC
Job Description:	<a href="#">2026 Chevrolet Silverado EV Trail Boss</a>		
MHQ Contact:	Bob Pemberton Email: <a href="mailto:rpemberton@mcgovernauto.com">rpemberton@mcgovernauto.com</a>		Phone: (508) 842-0866 x2223

QTY	Item #	VEHICLE LINE DESCRIPTION	UNIT PRICE	Ext Line Total
1	CT35843	2026 Chevrolet Silverado EV 2LT e4WD	\$52,646.00	\$52,646.00
1	2TR	Upgrade to Trail Boss Extended Range Trim	\$7,500.00	\$7,500.00
1	2TR	Trail Boss Preferred Equipment Group	Inc	
1	AR9	Seats, front bucket	Inc	
	C5F	GVWR, 9990 lbs. (4531 kg)	Inc	
1	EB9	Black / Artemis, Evotex seat trim	Inc	
1	EN0	Engine, none (EV)	Inc	
1	FE9	Emissions, Federal requirements	Inc	
1	GBA	Exterior Color: Black	Inc	
1	KV7	Offboarding Power, 7.2 kW, split phase, AC power	Inc	
1	MF1	Transmission, none	Inc	
1	PCZ	Dual Level Charge Cord, dual-mode	Inc	
	PSC	Standard EV Charging Installation	\$2,500.00	\$2,425.00
1	QTZ	Tires, LT285/75R18, all-terrain blackwall	Inc	
1	RT5	Wheels, 18" x 8.5" (45.7 cm x 21.6 cm)	Inc	
1	VK3	License plate bracket, front, front mounting package	Inc	
1	NOC	Power outlets, bed mounted, 4 120-volt	Inc	
1	NOC	Power outlet, bed mounted, 240-volt	Inc	
Vehicle Total:				\$62,571.00
QTY	Item #	Equipment Description	UNIT PRICE	Ext Line Total
2	IONA	Ion front grill strobes (Amber flashing, white scene)	\$250.00	\$500.00
2	TLIA	Rear bumper strobes (amber flash, white scene)	\$250.00	\$500.00
1	4419031	Weather tech floor liners	\$150.00	\$150.00
1	894110	AVS Rain Guards	\$130.00	\$130.00
Contract Equipment Total:				\$1,280.00
QTY	Item #	NON-CONTRACT EQUIPMENT LINE DESCRIPTION	UNIT PRICE	Ext Line Total
1	DELIVERY	DELIVER TO DEPARTMENT (80 Miles)	\$160.00	\$160.00
Non-Contract Equipment Total:				\$160.00
Vehicle and Equipment Total:				\$64,011.00
Vehicle Quantity:				1
Sub total:				\$64,011.00

Trade Description	Trade VIN	Trade Miles	Trade Value
Trade Vehicle/s Total:			\$0.00
Quote Grand Total:			\$64,011.00

TERMS AND CONDITIONS

Custom or Special Orders are Non-Refundable  
This Quote is for Budgetary Purposes and is Not a Guarantee of Cost for Services  
Quote is Based on Current Information From Client About the Project Requirments  
Actual Cost May Change Once Project Elements are Finalized  
Trade value is subject to change based on time, mileage and condition of vehice at turn-in

ORDER ACKNOWLEDGEMENT

By signing this document you are agreeing to the above terms and conditions of this order from McGovern MHQ, Inc.

x

PRINT NAME

x

TITLE

x

SIGNATURE





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <b>Energy and Environment</b>	<b>Priority #:</b>	<b>3</b>
<b>Project Title and Description:</b> Downtown Resiliency Project, Phase II: Civic Areas	<b>Total Project Cost:</b>	<b>115,250</b>

**Department/Division Head:** Michael Cahill, Division Head

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \$60,400 from CPA funds allocated in 2019 are available for use towards this work.

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>	115,250		FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	115,250	\$60,400 from Article 16D of 2019 will also be used			

**Project Justification and Objective:** The project is intended to reduce the impacts of urban heat island effect, improve stormwater management to Plymouth Harbor, improve pedestrian safety and improve overall aesthetics and functionality of the downtown and historic district.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

N/A

**What is the expected lifespan of this new/replacement equipment:** N/A

**Attach backup information, estimates, or justification to support this request.**



**Town of Plymouth**  
**Department of Energy & Environment**  
26 Court Street, Plymouth, MA 02360



# MEMO

**To:** Derek Brindisi, Town Manager  
Lynne Barrett, Finance Director

**From:** Michael Cahill, Climate Resiliency and Sustainability Planner, Department of Energy and Environment

**Re:** Capital Request – Downtown Resiliency Phase II: Civic Areas Design

**Date:** September 17, 2025

Plymouth's Downtown Resiliency Project is focused on a 3,000 linear-foot segment of the Route 3A corridor that runs through the community's historic downtown area, from its intersection with Samoset Street to the Main Street Extension parking lot, representing the most densely developed residential and commercial area in town.

The Downtown Resiliency Project will achieve numerous priorities outlined in various Town planning documents (Climate Action and Adaptation Plan, Municipal Vulnerability Preparedness Plan, Master Plan, Plymouth Center & North Plymouth Circulation and Mobility Study, Downtown Master Plan, Open Space & Recreation Plan, etc.). Although climate change poses a severe threat for the community, this project is a prime example of how municipalities can utilize climate change as the impetus to rebuild public spaces to maximize utility and equity for citizens. Once completed, this project will:

- Utilize native trees, vegetation, and pervious surfaces to provide ecosystem services (heat reduction, water filtration, habitat, carbon sequestration, etc.) while aiding in the beautification of the Town's historic downtown business districts
- Install green stormwater management infrastructure to address downtown flooding and improve water quality in Plymouth Harbor
- Redesign the urban streetscape to improve pedestrian safety and connectivity in the downtown district – limiting the need for vehicles and reducing greenhouse gas emissions

Phase II of the Downtown Resiliency Project will focus on Town Square, Court House Green, and the Main Street Extension parking lot. Conceptual designs for these locations have been completed in Spring of 2025; however, additional funding is required to finalize design. The total cost required to complete design and permitting for Phase II is \$175,650. The Department of Energy and Environment will utilize \$60,400 of funding from CPC's 2019 Town Meeting Article 16D: Town Square/Leyden Street Engineering & Permitting. Therefore, this request of \$115,249.87 from the General Fund will cover the remaining costs to complete final design and permitting for Town Square, Court House Green, and the Main Street Extension parking lot.

**Cc:** David Gould, Director of the Department of Energy and Environment  
Sarah McCormack, Natural Resources and Sustainability Specialist

# Plymouth Downtown Resiliency Project

## Phase 2: Civic Areas

### Court House Green, Town Square & Main Street Extension Parking Lot Improvements

#### Project Description

This scope of services covers design development and plan set preparation for three project sites, in alignment with the Core Principles of the Municipal Vulnerability Preparedness (MVP) Program as follows:

- ❖ Area 1: Court House Green Landscape Improvements
- ❖ Area 2: Town Square Streetscape Improvements
- ❖ Area 3: Main Street Extension Public Parking Lot Landscape Improvements

#### Area 1: Court House Green

Located on the south side of Court Street, at the base of Town Hall (i.e. the historic 1820 Court House), the Green has significant potential as a downtown civic and social space. While Town Hall has been modernized, the Green has not been meaningfully updated for decades. Phase 1 developed a preliminary concept (Appendix A). Phase 2 will further develop this design, including:

- A smaller, more level lawn for improved accessibility and event use.
- Increased tree canopy and reduced turf coverage to support climate resiliency goals.
- Rainwater harvesting & irrigation.
- Relocation of the flagpole and Vietnam Veteran's Memorial stone to enhance visibility and dignity.
- Additional elements considered include an upper plaza podium, formal four-season garden, and incorporation of historical site elements (i.e. Decorative fountain and fencing).

#### Area 2: Town Square

At the top of Leyden Street and base of Burial Hill, Town Square is among America's most significant historic sites. Mid-20th century urban renewal projects altered the street's iconic look and reduced its function as a public realm corridor.

In Phase 2, the selected concept (Appendix B) will be advanced, including:

- Restoration of the tree-lined central corridor (while minimizing utility or drain impacts).
- Rainwater harvesting & irrigation.
- Safety, accessibility, and improvements in circulation.
- Enhancements to protect historic assets while ensuring long-term sustainability.
- Social/seating spaces.



## Area 3: Main Street Extension Parking Lot

This parking lot, dating to the 1940s, sits on a steep slope above Town Brook. Existing conditions include undersized stalls, non-standard circulation, poor ADA accessibility, and inadequate emergency access.

Phase 1 determined that full reconstruction is not advisable without major reduction in parking spaces or variance to the dimensional standards. Phase 2 will instead focus on maintenance and short-term improvements (Appendix C), such as:

- High-reflectivity pavement coating.
- Pavement reduction within plantable areas.
- Landscaping and planting within islands.

## Scope of Services

A conceptual design has been completed and approved, as shown in Appendices A-C. Phase 2 will build from that baseline toward Final Design. The following is a description of tasks that will be required to complete the selected civic areas of the Plymouth Resiliency Project.

### Task 1: Concept Validation:

The scope of work acknowledges that the project has already advanced through the conceptual design level. As such, development of new alternatives and concepts is not required. Instead, the effort will focus on reviewing, updating, and confirming the previously developed concept to ensure consistency with current project goals, conditions, and regulatory requirements.

#### 1.1 Milestone Coordination Meetings

Provide virtual meeting coordination during design development up to the hours provided. The following milestone meetings are included:

- Kickoff meeting - Presentation of original design concepts for review and critique. Confirm and validate design direction.
- Design progress check-ins for SD, 75%, and 100%.
- Comment Resolution Meetings (CRM) to address outstanding issues at SD and 75% submissions.

*Deliverables: Approximately 2-3 staff members will attend 6 meetings @ an estimated 2 hours each.*

#### 1.2 Field Reconnaissance

Conduct a field review of the proposed project interface with adjacent properties, streets, drives, drainage, utilities, riverfront area, etc. to field verify design feasibility.

This task includes a field review and inventory at the following locations:

### Court House Green

- 26 Court Street

### Town Square

- 4-19 Town Square
- 2-6 Main Street
- 5 Main Street Extension
- 3 Market Street

### Main Street Extension Parking Lot

- 15, 19 & 21 Main Street Ext.

*Deliverables: Key findings and concerns sent to the Town for discussion and resolution.*

## 1.3 Schematic Design (SD) Plans

Building on the approved conceptual designs, GPI will develop schematic plans at a scale of 1" = 20' and 1" = 10' to convey overall design intent of the following:

- Illustrate layout of all improvements w/ critical dimensions.
- Provide annotated site elements and materials.
- Provide overall proof of concept grading intent based on the contour interval.
- Illustrate location and massing of planting landscape improvements including trees, shrubs and ground cover.
- Preliminary storm drainage collection.
- Rainwater Harvesting – to be explored by Irrigation Consulting, Inc. as a subconsultant to the project for Court House Green and Town Square (refer to Appendix E for ICI scope & fee).

*Deliverables: Schematic Design Plans.*

## 1.4 MHC Project Notification Form (PNF)

Project is subject to MHC review based on the use of state funding. Submit Project Notification Form (950 CMR) to the Massachusetts Historic Commission (MHC) for review and comment.

*Deliverables: MHC PNF submission*

## Task 2 75% Design Development

### 2.1 Response to Schematic Design Comments

Prepare a written response to all comments received regarding the SD review. Resolve any outstanding comments via a Comment Response Meeting (CRM).

**Deliverables:**

- *Written response to comments*
- *(1) Comment Resolution Meetings (CRM), as needed*

**2.2 Plans & Details**

Adjust the design based on the Schematic Design review comments. Plans will be advanced to approximately a 75% design level and will include the following:

- Cover Sheet – Include project title, client name and contract number, funding sources, and table of contents.
- Key Plan - locus plan and key plan of the three locations.
- Existing Condition Plans –Demonstrate the existing conditions based on project survey.
- Site Preparation Plans – Highlight portions of existing conditions to be protected and preserved, items to be removed and reset, and those areas that are to be removed and disposed. Include erosion and sedimentation measures.
- Material Plans – Illustrate location and mix of materials to be used on the project.
- Layout Plans –Provide dimensional layout of all improvements.
- Grading Plans – Provide overall grading intent based on the contour interval as well as provide key spot elevations.
- Drainage & Utility Plans – Illustrate related drainage and utility improvements.
- Planting Plans – Provide complete planting plans, including plant schedule with genus, species, and location of including trees, shrubs and ground cover.
- Details – As required to accurately convey the overall design intent.

<b><u>Sheet Title</u></b>	<b><u>General</u></b>	<b><u>Area 'A'</u></b>	<b><u>Area 'B'</u></b>	<b><u>Area 'C'</u></b>
Cover Sheet	1			
Key Plan	1			
Existing Conditions Plan		1	1	1
Site Preparation Plan		1	1	1
Materials Plan		1	1	1
Layout Plan		1	1	
Grading Plan		1	1	
Drainage & Utility Plan		1	1	
Planting Plan		1	1	1
Details	2	3	3	
	<b>4</b>	<b>10</b>	<b>10</b>	<b>4</b>

**Estimated Total  
Sheets = 28**

Note that irrigation & rainwater harvesting system plans and details will be provided by ICI.

*Deliverables: 75% Design Development Plans*



## 2.3 Plymouth HDC - Informal Meeting

Provide information in accordance with the requirements of the Plymouth Historic District Commission (HDC). Be available to meet with the HDC to present the overall scope of the project and seek committee input.

### *Deliverables:*

- *Power Point Presentation for review prior to Historic District Commission.*
- *Meeting with Historic District Commission, presenting initial materials selection.*

## 2.4 WPA Request for Determination of Applicability (RDA)

The Plymouth Conservation Commission will be consulted regarding environmental permitting requirements for work within the 200' Riverfront Area (Area C only). GPI will submit an RDA to the local conservation commission in accordance with the WPA. Tasks include preparation of associated forms and backup documentation and coordination during review.

The RDA is to be prepared by GPI, however, the need for a WPA Notice of Intent (NOI) is not anticipated as the improvements will be considered "maintenance" activity.

### *Deliverables:*

- *RDA application*
- *Coordination materials as needed.*

## Task 3: 100% Design

### 3.1 Respond to 75% Comments

Prepare a written response to all comments received regarding the 75% review. Resolve any outstanding comments via a Comment Response Meeting (CRM).

### *Deliverables:*

- *Written response to comments*
- *CRM Meetings, as needed (1 meeting Anticipated)*

### 3.2 Finalize Plans

Prepare a set of plans addressing all comments received from the 75% review. Ensure that the plans are clear and are prepared in accordance with industry standards.

Note that irrigation & rainwater harvesting system plans and details will be provided by ICI.

*Deliverables: 100% Design Development Plans*

### 3.3 Probable Cost Estimate

GPI will develop a probable estimate of cost utilizing the CSI format. Develop and submit for the Town review and comment.

*Deliverables: Cost Estimate*

### 3.4 HCD Formal Hearing

Final Preparation of presentation for Plymouth Historical District Committee (HCD) - Provide information in accordance with the requirements of the Plymouth Historic District Committee.

*Deliverables:*

- *Power Point Presentation for review prior to Historic District Committee.*
- *Meeting with Historic District Committee, presenting final materials*

### Table of Deliverables

The Consultant will provide the following deliverables at key project milestones:

<b>Milestone</b>	<b>Deliverables</b>
<b>Schematic Design</b>	<ul style="list-style-type: none"> <li>• Kick-Off meeting for design coordination</li> <li>• Schematic Design Plans based on Phase 1 concepts (Appendices A–C)</li> <li>• PNF Submission to Massachusetts Historic Commission (MHC).</li> <li>• Key Findings &amp; Issues memo.</li> </ul>
<b>75% Design Development</b>	<ul style="list-style-type: none"> <li>• Written responses to SD review comments</li> <li>• Full Plan Set Including: (Cover Sheet, Existing Conditions, Site Prep, Layout, Grading, Materials, Landscaping, Details)</li> <li>• (1) Comment Resolution Meeting</li> <li>• (1) Plymouth HDC Informal Meeting</li> <li>• RDA Application to Conservation Commission</li> </ul>
<b>100% Final Design</b>	<ul style="list-style-type: none"> <li>• Written responses to 75% review comments</li> <li>• 100% Design Plans: (Cover Sheet, Existing Conditions, Site Prep, Layout, Grading, Materials, Landscaping, Details)</li> <li>• Probable Estimate of Cost (Lump Sum)</li> <li>• (1) Plymouth HDC Formal Hearing</li> </ul>

## Assumptions & Exclusions

Assumptions and exclusions are summarized below.

Assumption	Clarification & Exclusions
Traffic studies	<ul style="list-style-type: none"> <li>• Traffic counts or traffic engineering are excluded.</li> </ul>
Site Survey	<ul style="list-style-type: none"> <li>• Additional Topographic and/or property boundary survey is not included.</li> <li>• No wetland resource area delineation is included.</li> </ul>
Retaining walls	<ul style="list-style-type: none"> <li>• Limited to walls under 4' height.</li> </ul>
Meetings	<ul style="list-style-type: none"> <li>• Consultants will attend virtual and/or in person meetings up to the hours provided.</li> <li>• Approximately 2-3 staff members will attend a max of 6 meetings @ an estimated 2 hours each.</li> </ul>
ADA compliance	<ul style="list-style-type: none"> <li>• Given the steep topography of the project locations, ADA upgrades will be incorporated to the maximum extent feasible. Improvements limited by site constraints and project limits.</li> </ul>
Main St. Ext. lot	<ul style="list-style-type: none"> <li>• No geotechnical testing, drainage redesign, stormwater upgrades or full restriping.</li> </ul>
Lighting	<ul style="list-style-type: none"> <li>• Conceptual pedestrian lighting layout only; no detailed electrical design or photometrics.</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• Minor utility relocation- limited to drainage lines, and manhole adjustments anticipated only.</li> <li>• Scope includes (2) planned electrical &amp; water connections for rainwater harvesting/irrigation at Town Square and Court House Green.</li> <li>• All associated permitting will be secured by the General Contractor.</li> </ul>
Rainwater Harvesting & Irrigation	<ul style="list-style-type: none"> <li>• Scope includes design of (2) planned rainwater harvesting/irrigation systems at Town Square and Court House Green by ICI.</li> <li>• Work excludes the design of any interior plumbing or water wells.</li> <li>• All associated permitting will be secured by the General Contractor.</li> </ul>
Decorative Fountains	<ul style="list-style-type: none"> <li>• Scope includes (1) planned electrical, water, and drain connection for fountain.</li> </ul>



	<ul style="list-style-type: none"> <li>• Fountain design (water flow &amp; usage, internal plumbing, recirculation requirements, water treatment, etc.) will be provided by the General Contractor and/or the fountain supplier.</li> <li>• All associated permitting will be secured by the General Contractor.</li> </ul>
Design phases	<ul style="list-style-type: none"> <li>• Conceptual Studies Previously completed.</li> <li>• Design Development Scope begins at 25% Design.</li> <li>• Design Submissions limited to SD, 75% and 100%.</li> </ul>
Cost estimating	<ul style="list-style-type: none"> <li>• CSI format, Lump Sum, Estimate of Probable Costs at 100% design submission.</li> </ul>
Project Specifications	<ul style="list-style-type: none"> <li>• Specifications not included. Will be provided under the future bid phase.</li> </ul>
Bid and Construction Services	<ul style="list-style-type: none"> <li>• Bid and Construction Phase Services are considered future phases and not included.</li> </ul>
Review cycles	<ul style="list-style-type: none"> <li>• One round of responses at each milestone (Schematic Design, 75%, 100%).</li> </ul>
Permitting	<ul style="list-style-type: none"> <li>• Wetlands Protection Act coordination and filings is limited to a Request for Determination of Applicability (RDA) for parking lot area only.</li> <li>• A site visit or public hearing is not anticipated.</li> <li>• Notice of Intent (NOI) is not included.</li> <li>• No MEPA coordination or filings are included.</li> <li>• Historic permitting limited to tasks those provided.</li> <li>• Any variance(s) required through the Massachusetts Architectural Access Board (MAAB) under 521 CMR 4.1 are not included.</li> </ul>
Direct expenses	<ul style="list-style-type: none"> <li>• Anticipated printing, shipping, mileage/travel included for prime and subconsultant.</li> </ul>
Subconsultant Services	<ul style="list-style-type: none"> <li>• Scope of Services for irrigation and rain harvesting systems for Court House Green and Town Square are included by ICI.</li> </ul>

## Appendices

Appendix A – Court House Green: Existing Conditions & Concept

Appendix B – Town Square: Existing Conditions & Illustrative Concept

Appendix C – Main Street Extension Parking Lot: Improvement Plan

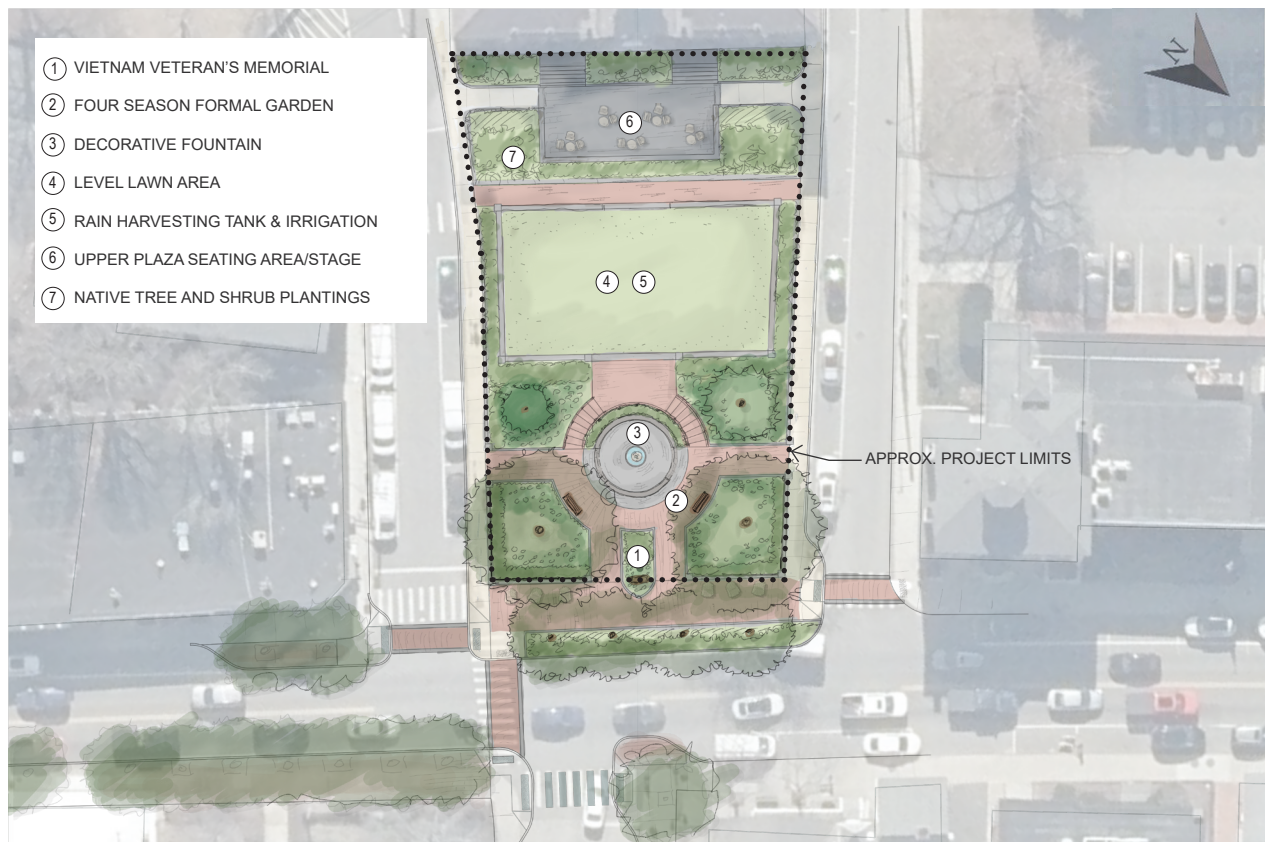
Appendix D – GPI Fee Estimate

Appendix E – Irrigation Consulting, Inc. Scope & Fee

## APPENDIX A: Court House Green (Area 1)



Court House Green - Existing Conditions



Court House Green - Illustrative Concept



## APPENDIX B: Town Square (Area 2)



Town Square - Existing Conditions

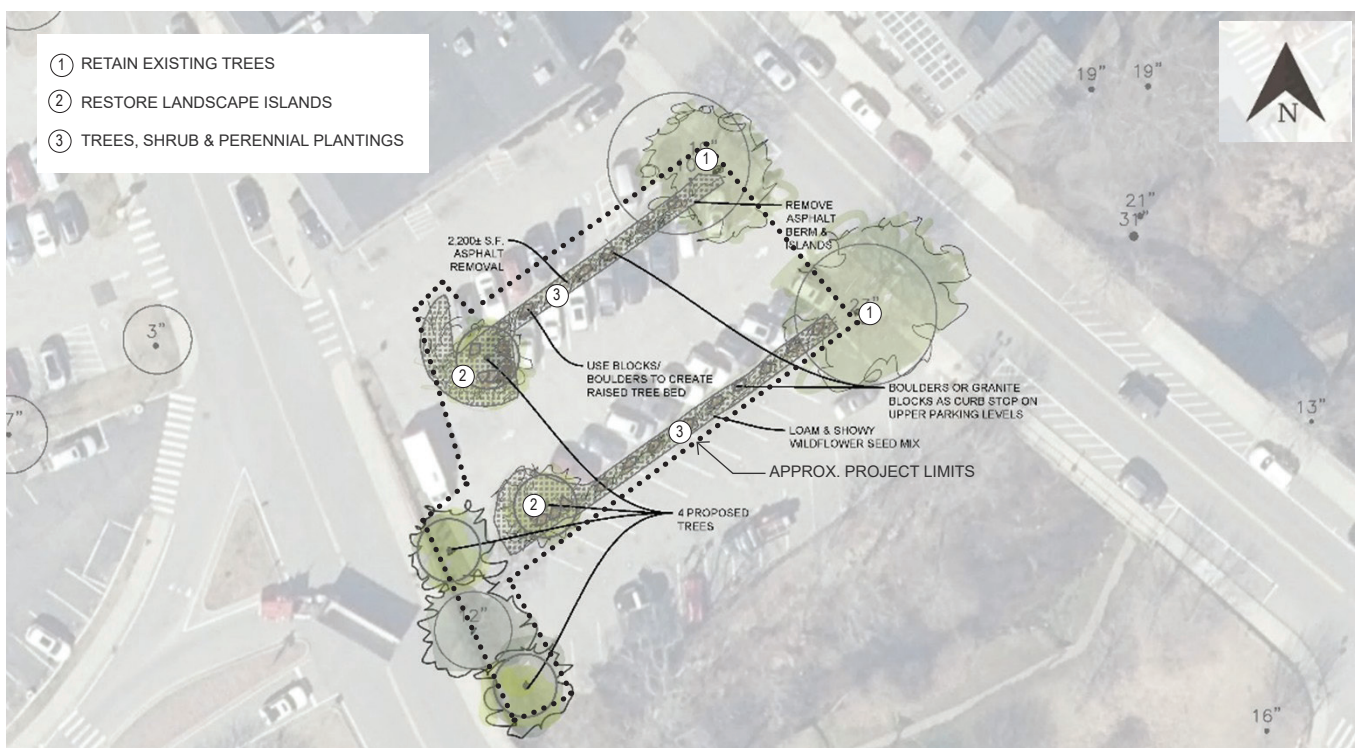


Town Square - Illustrative Concept

## APPENDIX C: Main Street Ext. Municipal Parking (Area 3)



Main Street Ext. Municipal Parking - Existing Conditions



Main Street Ext. Municipal Parking - Illustrative Concept

## APPENDIX D: GPI Fee Estimate





## Design Fee Estimate

Project: Phase 2 - Civic Areas  
 Location: Downtown Plymouth  
 Town, State: Plymouth, MA

Proj. #: NEX-2300129.02  
 Date: 9/16/2025  
 Prepared By: SW/RH

PHASES	Project Director	Project Manager	Project Engineer	Land Arch/ Engineer	Designer	Assistant Designer	Task Budget
Hourly Rate for each employee x 3.0	\$ 270.00	\$ 210.00	\$ 180.00	\$ 150.00	\$ 130.00	\$ 110.00	
<b>Task 1 - Concept Validation</b>							
1.1 Milestone Coordination Meetings	8	12		10			\$ 6,180.00
1.2 Field Reconnaissance		4		8			\$ 2,040.00
1.3 Schematic Design (SD) Plans	4	20		56			\$ 13,680.00
1.4 Mass Historic Commission (MHC) PNF		2		4			\$ 1,020.00
Subtotal Hours	12	38		78			128
Subtotal Costs	\$ 3,240.00	\$ 7,980.00	\$ -	\$ 11,700.00	\$ -	\$ -	\$ 22,920.00
<b>Task 2 - 75% Design Development</b>							
2.1 Response to SD Comments/Design Coordination	4	16		20			\$ 7,440.00
2.2 Plans & Details	16	76	64	144	18	80	\$ 64,540.00
2.3 Plymouth Historic Commission - Informal Meeting		4		4		8	\$ 2,320.00
2.4 WPA Request for Determination of Applicability (RDA)		2	2	2			\$ 1,080.00
Subtotal Hours	20	98	66	170	18	88	460
Subtotal Costs	\$ 5,400.00	\$ 20,580.00	\$ 11,880.00	\$ 25,500.00	\$ 2,340.00	\$ 9,680.00	\$ 75,380.00
<b>Task 3 - 100% Design</b>							
3.1 Response to 75% Comments	4	16		20			\$ 7,440.00
3.2 Finalize Plans	8	38	40	88	48	84	\$ 46,020.00
3.3 Probable Estimate of Cost	2	4		10		8	\$ 3,760.00
3.4 Plymouth Historic Commission - Formal Hearing	4	4				8	\$ 2,800.00
Subtotal Hours	18	62	40	118	48	100	386
Subtotal Costs	\$ 4,860.00	\$ 13,020.00	\$ 7,200.00	\$ 17,700.00	\$ 6,240.00	\$ 11,000.00	\$ 60,020.00
<b>TOTAL HOURS</b>	50	198	106	366	66	188	974
<b>TOTAL COST OF LABOR</b>	\$ 13,500.00	\$ 41,580.00	\$ 19,080.00	\$ 54,900.00	\$ 8,580.00	\$ 20,680.00	\$ 158,320.00
<b>Expenses and Subconsultant Services</b>							
Irrigation Consulting: Irrigation & Rainwater Harvesting	\$ 16,800.00						\$ 16,800.00
Mileage, printing, and miscellaneous expenses	\$ 530.00						\$ 530.00
Expenses Subtotal	\$ 17,330.00						\$ 17,330.00
<b>TOTAL PROJECT</b>							\$ 175,650.00

## APPENDIX E: Irrigation Consulting, Inc. Scope & Fee



September 9, 2025

Mr. Ronald Headrick, RLA  
Assistant Vice President | Director of Planning and Design  
Greenman-Pedersen, Inc.  
179 South Street, Second Floor  
Boston, MA 02111

Dear Ron:

Irrigation Consulting, Incorporated is pleased to provide you with a proposal for irrigation design and consulting services for the Plymouth Downtown Resiliency Project located in Plymouth, Massachusetts. Our fee proposal is based on your request for proposal, received in our office via email, and various project documents provided and email exchanges between us. The following proposal covers our basic scope of work, fee structure, exclusions, terms and conditions.

## **BASIC SCOPE OF WORK**

---

### **Design Phase Services**

1. Irrigation Consulting will visit the site prior to beginning any analysis and design work to conduct general site discovery and reconnaissance. During our visit we request having a representative of the Town with us to provide access to any mechanical spaces and answer general questions on site design, existing conditions and operations and maintenance.
2. Irrigation Consulting will provide complete construction documents including irrigation plans, written technical specifications and typical installation details as necessary for an automatic, underground landscape irrigation system for all lawn and landscape areas depicted on the final landscape plans, including plant beds, street trees and lawn areas for project areas 4 and 5. These are the Courthouse Green and the Town Square.
3. Irrigation Consulting will provide a water use and supply adequacy and feasibility analysis for a rainwater harvesting water supply system which will be used to meet/supplement the irrigation water demand for each of the two project areas. The analysis will be based on a thorough evaluation of irrigation system water use and expected rainwater production from a climate and runoff analysis conducted by our firm. The analysis will also be based on the design and constraints of the site's storm water management system. The results of the analysis will provide the expected annual and monthly contribution of alternative water to the overall water budget. Risks of using alternative water as a stand-alone source will also be assessed in addition to requisite tank volume to satisfy project sustainability objectives.



4. Irrigation Consulting will design a pump and filter system for each rain harvesting system (two total), drawing water from new cistern/rainwater harvesting systems (designed by others) and delivering it to the irrigation system. The power supply for the pump system shall be designed by others. The pump system will also include a control system to automate a back-up water supply for the central cistern. The pump controller will have the ability to limit and prioritize water supplies. We will coordinate the electrical aspects of our design with your office, as well as with any possible sub-consultants involved in the project. We will also coordinate our system alarms with your office and if requested, incorporate our alarms into overall site alarm systems.
5. The basic scope of work assumes the irrigation system will utilize harvested rain water from on-site roofs as the primary source of irrigation water. A new or existing domestic water service will also be required as a back-up to the rain harvesting system. We will coordinate, but not design, the civil, mechanical, electrical and plumbing points of connections of our system with your office, as well as with other sub-consultants involved in the project. The design of the required water meter and back flow prevention connections for the domestic water back-up, will be part of the civil/mechanical/electrical/plumbing drawings to be produced by their office and will not be included on our drawings or in our specifications.
6. During the design phase of the project, Irrigation Consulting will participate in web-based coordination calls with the project team to coordinate work across disciplines as necessary.
7. Construction cost estimates will be completed and updated throughout the design phase of the project, as requested by Greenman Pedersen.
8. Document submissions shall be made at the following stages of completion:
  - o Construction Documents – 2 Submission (75% CD and Final 100% CD)

### **Bidding and Construction Phase Services (N.I.C.)**

1. Irrigation Consulting, Inc. will review bid results pertaining to work under our purview and provide recommendations and negotiating assistance to Greenman Pedersen during the bidding and negotiating period.
2. Irrigation Consulting will provide construction coordination services. This will include review and approval of shop drawings/product submittals submitted by the irrigation contractor as well as responding to contractor initiated RFI's regarding irrigation.
3. Irrigation Consulting will provide construction observation site visits and a final punch list/commissioning visit. Site visits will help to ensure the quality of the installation, and will be used to monitor the progress as well as conformance to the contract documents. All visits will be followed by a written report to your office outlining our findings. **Two** progress site visits are included in our basic scope of work and **two** visits to punch list/commission and verify punch list completion.

We will perform our work using the final landscape, utility and site plans when provided in an AutoCAD format. Any changes to these files can be updated through e-mail as required.

We will prepare and return the final irrigation drawings in AutoCAD and PDF Format. Specifications will follow the 32 Division specification format and will be customized to match the project format of fonts, headers, footers, etc. Specifications will be provided in an MS Word format.

## PROFESSIONAL FEES, TERMS AND CONDITIONS

- Our fixed fee for the above BASIC scope of **design phase services** is SIXTEEN THOUSAND EIGHT HUNDRED AND 00/100 DOLLARS ... (\$16,800.00) excluding all direct expenses.
- Our fixed fee for the above BASIC scope of **bidding and construction phase services** is SIX THOUSAND FIVE HUNDRED AND 00/100 DOLLARS ... (\$6,500.00) excluding all direct expenses. (N.I.C.)
- Additional meetings at the Greenman Pedersen Boston, MA office or project site visits, which are not included in our basic scope of work, will be billed at an hourly rate commensurate with the ICI staff conducting the work.
- All direct expenses including mileage, parking, tolls, overnight delivery, copying, binding, etc. are in addition to this proposal. Expenses are billed at actual direct cost. Mileage is charged at the current IRS reimbursable rate. All expenses will be shared with other Clients, when possible, for other work in the Plymouth, Massachusetts area.
- Services will be billed on a monthly basis for services performed in that month, or immediately upon completion of the work. All services are based on a maximum rate of \$150.00 per hour. Payment terms are Net 10 Days from the date of payment to Greenman Pedersen by their Client.

## EXCLUSIONS

- Specifically excluded from this proposal are electrical systems design, final water storage system construction documents, rainwater/stormwater conveyance piping to water storage tanks, permitting, stamping by a state of Massachusetts registered professional engineer, well design, hydro-geological services, water proofing, building design, interior plumbing and conduit routing design, meetings and site visits other than those specifically listed, irrigation design for areas other than those specifically listed and included on the received site plans and record drawing production.

If you have any questions, please do not hesitate to contact our office. Please sign and date below to authorize services to be performed, and to allow this proposal to act as a letter of agreement between Irrigation Consulting, Incorporated and Greenman Pedersen, Incorporated. Please also indicate any purchase order or reference numbers required to invoice this project.

We appreciate your consideration and look forward to working with you on the project.

Sincerely,



Jeffrey R. Bowman, LEED AP, LI, CID, CLIA, EIT  
Senior Project Manager

Accepted by: \_\_\_\_\_  
(*Greenman-Pedersen, Incorporated Representative*)

Date: \_\_\_\_\_

P. O. Number: \_\_\_\_\_





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Recreation	<b>Priority #:</b>	1
<b>Project Title and Description:</b> Pay Stations for the Beaches	<b>Total Project Cost:</b>	\$63,330

**Department/Division Head:** Anne Slusser-Huff

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** N/A

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design			FY28		
Labor and Materials	\$4,000	4 concrete pads would need to be installed	FY29		
Administration			FY30		
Land Acquisition			FY31		
Equipment	\$53,936	The pay stations are approximately \$12,00 each	FY32		
Other					
Contingency	\$5,394	10% for projected product cost increases			
Total Capital					

**Project Justification and Objective:** The pay stations would be installed at Morton Park, Hedges Pond and Fresh Pond. They would be solar powered, so electricity at the sites is not necessary. There would be 2 pay stations installed at Morton Park, 1 at Fresh Pond and 1 at Hedges Pond. The pay stations would be similar to the ones currently at Plymouth Beach.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
Can this project be phased over more than one fiscal year?      Yes ☐      No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 10-12 years

**Attach backup information, estimates, or justification to support this request.**



8 Capital Drive,  
Wallingford, CT 06492

Phone: 203-265-8100  
Fax: 203-949-4710

QUOTE #: AAAQ8032  
DATE: Sep 17, 2025

[www.integrated-tec.com](http://www.integrated-tec.com)

Prepared For:  
Anne Slusser-Huff  
Town of Plymouth - Park-Rec Dept  
26 Court St  
Plymouth, MA 02360

Ship To:  
(install addresses - TBD)  
Town of Plymouth - Beach  
Plymouth, MA 02360

Prepared By:  
RJ Jones  
System Designer  
rjones@integrated-tec.com

Anne Slusser  
<aslusser@plymouth-ma.gov>

Customer Service: 1-800-487-6290

P.O. Number	Payment Terms	Valid Through
		Oct 18, 2025

Here is your requested quote for four Luke II Coin Bill CC Solar T2 Paystation Meters w/SIM-Modem

Qty	Manufacturer	Description	Unit Price	Ext. Price
<b>Hardware</b>				
4	T2	900.0019 Luke II Solar, Coins-Bills-Credit Card Magstripe, Platform 7	\$12,192.00	\$48,768.00
4	T2	Lock Upper-Maintenance	\$0.00	\$0.00
2	T2	Key Upper, Maintenance, Primary Green Access	\$0.00	\$0.00
1	T2	Key Upper, Maintenance, Backup Yellow Access	\$0.00	\$0.00
4	T2	Lock Lower-Collections, CL84	\$0.00	\$0.00
2	T2	Key Lower, Collections, Primary Green Access	\$0.00	\$0.00
1	T2	Key Lower, Collections, Backup Yellow Access	\$0.00	\$0.00
8	T2	Bill Stacker 1000 Note w/Four Spares	\$0.00	\$0.00
1	T2	Key, Bill Stacker	\$0.00	\$0.00
8	T2	Coin Canister w/Four Spares	\$0.00	\$0.00
4	T2	Coin Shutter-C	\$95.00	\$380.00
1	T2	Key, Coin Canister	\$0.00	\$0.00
4	T2	Modem Kit, Internal LTE Verizon	\$642.00	\$2,568.00



Qty	Manufacturer	Description	Unit Price	Ext. Price
4	T2	SIM Card - LTE Verizon	\$0.00	\$0.00
12	T2	Paper Roll (1 case-12 rolls)	\$35.00	\$420.00

#### Installation

4	ITS	Installation (included in price of meter)	\$0.00	\$0.00
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Contact me with questions-changes-options

Customer to use existing IRIS profile w/Passport, Extend By Phone, Multilingual  
IRIS fees to be added to existing IRIS monthly fee  
No data connect service; customer to provide own data plan  
Assumes tax exempt with certificate on file  
PO Acceptable

SubTotal	\$52,136.00
Tax	\$0.00
Shipping	\$1,800.00
<b>TOTAL</b>	<b>\$53,936.00</b>
Deposit Amount	\$0.00

**NOTE: Quoted pricing is based on current applicable tariffs import/export duties, surcharges, taxes or similar fees ("Tariffs"). In the event any governmental authority enacts or imposes new or additional Tariffs that increases the cost of goods, materials, and/or services provided for under this Quote, ITS reserves the right to adjust the pricing on this Quote to reflect increased costs.**



## **Sales Quote Terms and Conditions**

Unless noted otherwise, all labor is quoted at Merit Shop rates. Additional charges will apply if Prevailing Wage rates or Union Labor are required. Work will be performed during normal business hours Monday through Friday. After-hours and weekend work requests will incur additional charges.

All site work, including power and communications, concrete pads, concrete islands, roadwork, protective bollards and conduit to be provided by others, unless specifically identified in the quote.

Delays due to incomplete site work, power, communications and/or job site access resulting in idle time or a return trip will incur additional charges.

Cancellation of the project and/or returns of items may result in a 25% restocking fee. Custom and/or special-order items are non-refundable.

Alterations and/or additions to the order will be quoted separately and may include additional material and labor costs, and may well result in delaying the project.

If vehicle detector loops are included in the quote, road surface must be free of cracks, depressions, potholes and in good condition prior to installation.

Permits, if applicable, are not included.

Customer accepts their responsibility in the installation process, delays in this area should not affect payment.

Equipment remains the property of Integrated Technical Systems, until paid in full.

## **Warranty**

Products listed in the quotation are covered by a standard one (1) year warranty including parts and labor, unless otherwise noted, per our Standard Warranty Terms. Software, if included, may be covered by a separate warranty subject to any conditions, limitations and exclusions as set forth by the manufacturer.

In-ground vehicle detector loops are covered by a thirty (30) day warranty. Direct burial or pave-over loops are excluded from this warranty, and have no warranty.

Warranty does not cover any work external to the specific equipment provided. Cellular and Wi-Fi modems and related interconnections are not covered. Any costs attributable to the Customer's network and/or infrastructure will be billed separately to the customer.

Replacement parts and/or repairs, including labor, not covered by this warranty will be billed separately to the customer.

Updated 6/17/2021

**Integrated Technical Systems, Inc.**

**Wallingford, CT – Cherry Valley, MA - Milford, MA - Parsippany, NJ - Willow Grove, PA - Elkridge, MD**

## T2 Luke<sup>®</sup> II

### MULTI-SPACE PAY STATION

The Luke II Multi-Space Pay Station sets the standard for high performance in both on- and off-street environments. Super versatile and highly configurable, Luke II is a great option for any operation. Its flexible rate structures and diverse payment options – all able to be configured remotely – help drive and maximize revenue. Luke II accepts bills, coins, and credit cards and features an easy-to-understand payment flow, creating a user-friendly experience for all patrons. Powered by an optional solar panel and 4G LTE communications, it's designed for high performance in any environment. Luke II is built with the robust T2 Luke Pay Station platform and integrates with Iris™, T2's cloud-based back end software. Luke II exceeds customer service expectations and delivers superior performance.

### FEATURES FOR OPERATORS

- Pay-and-Display, Pay-by-Space, and Pay-by-License Plate options on the same pay station
- Remote configuration of rates and policies saves time and money
- Extensive integrations with leading parking technology partners
- Flexible rate structures and diverse pricing options, such as coupon codes and limited and preferred parking
- PCI compliant and PA-DSS validated system ensures credit card data security
- Real-time credit card processing to reduce processing fees and eliminate bad debt
- Real-time reporting and alarming
- Complete audit trail and rich analytics
- Reduced maintenance and collections costs
- Theft-resistant design with separate maintenance and collections compartments





## FEATURES FOR PARKERS

- Accepts coins, bills, credit cards, campus cards, and coupons; compatible with leading mobile payment providers
- Extend-by-Phone service provides expiry reminders and the ability to add time via mobile phone
- Large color screen that is easy to read
- Prompts in multiple languages
- 38-key full alphanumeric keypad for easy license plate entry
- Ability to pay for parking or add time using any pay station in the system
- Coin escrow refunds consumers' money upon a canceled transaction
- Easily recognizable design identifies machine as a parking pay station

## TECHNICAL SPECIFICATIONS

<b>Cabinet</b>	17-gauge cold-rolled steel protected with an anti-corrosion coating
<b>Payment Options</b>	Cash, bills, credit cards, smart cards, campus cards, coupons, and mobile payment services (Apple Pay, Google Pay)
<b>Card Reader</b>	Cards are not inserted; no moving parts reads Tracks 2 and 3 of all magnetic stripe cards conforming to ISO 7810 and 7811 and reads and writes to chip-based smart cards conforming to ISO 7810 and 7815
<b>Bill Stacker</b>	600mm bill capacity (12 bills)
<b>Coin Canister</b>	1200-coin capacity
<b>Printer</b>	4" receipt width
<b>Display</b>	Color backlit LCD with 640x480 resolution
<b>Keypad</b>	38-key keypad with tactile buttons
<b>Locks</b>	Can be re-locked twice without removal of lock cylinder; electronic locks optional
<b>Access</b>	Separate compartment for maintenance and software
<b>Communication Options</b>	4G LTE, Ethernet
<b>Environmental Requirements</b>	40°F to 140°F (4°C to 60°C) relative humidity up to 95%
<b>Power</b>	20W solar panel AC 120/240V optional
<b>Operational Modes</b>	Pay and display Pay by Space Pay by License Plate
<b>Multilingual Support</b>	Up to four languages using Roman or non-Roman characters
<b>Audible Alarm</b>	Siren siren key chime
<b>Color</b>	Charcoal gray, additional colors optional
<b>Standards</b>	UL 544 approved AIA Approved ETL certified, NEMA 5-15

Single station - 17-gauge cold-rolled steel, 17-gauge cold-rolled steel, 4" receipt, 1200-coin capacity, 600mm bill capacity, 640x480 resolution LCD, 38-key keypad, 4" receipt, 4G LTE, Ethernet, 40°F to 140°F (4°C to 60°C) relative humidity up to 95%, 20W solar panel AC 120/240V optional, UL 544 approved AIA Approved ETL certified, NEMA 5-15

## COLOR OPTIONS

### Standard



Charcoal Gray

### Premium



Jet Black



Pebble Gray



Racing Green



Marine Blue



Citrus Yellow

## ABOUT T2 SYSTEMS

T2 Systems is the largest parking, mobility, and transportation provider in North America, with more than 25 years in the parking industry and currently serving thousands of parking professionals. T2 integrates the best people, processes, and technology to provide powerful, high performance, and secure parking solutions. Its open technology and processes are used to manage more than 200 million parking transactions for over 2 billion dollars annually across all 50 states and ten provinces in Canada. Customers rely on T2 for permit management, enforcement, PARCS, multi-space pay stations, and more.

To learn more about T2's reliable and innovative parking technology solutions, visit [T2systems.com](https://T2systems.com).

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	1
<b>Project Title and Description:</b> South Middle Chiller Replacement	<b>Total Project Cost:</b>	\$450,000

**Department/Division Head:** Matt Durkee

Check if project is:   New ☒   Resubmitted ☐   Cost estimate was developed: Internally ☐   Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$400,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$50,000	12.5%			
<b>Total Capital</b>	<b>\$450,000</b>				

**Project Justification and Objective:** The District has been making many repairs on this chiller to continue operation. We are now operating on 2 out of 3 circuits as equipment components have broken down and cannot be sourced.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐   No ☒  
Yes ☐   No ☒

Can this project be phased over more than one fiscal year?

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** ASHRAE estimates 20 years for packaged chillers

**Attach backup information, estimates, or justification to support this request.**

## PSMS Chiller Replacement Budget Number

External

Inbox

**Seggos, Christina**

to me

Hi Matt!

Tue, Sep 16, 11:55 PM (9 hours ago)

At this time I could get the price for the Turnkey Chiller Replacement to be right under 400k.

With the way inflation is, it would be better to carry more as a budget number since I am not sure when you are planning to do this. There are 6-8% equipment price increases worldwide that come out of nowhere as well as Refrigerant changes due to "climate" Policies. So 450k would work as a Budget number. This Price includes the Chiller (see attachment- could change), Labor to Install and Startup, any re-piping, Crane/Rigging, Electrical, Insulation.

Thank you!!

Call or text if you have any questions.

Christina

**Christina Seggos**

Account Manager

Daikin Applied - New England Branch

Office: 508-668-4000

Cell: 401-256-4714

Email: [christina.seggos@daikinapplied.com](mailto:christina.seggos@daikinapplied.com)



# Proposed Unit

## Existing vs Proposed

	Model	MOP	Max Capacity	Operating Weight	Length	Width	Height
Existing	ALS225	600 A	237.7 Tons	16180 lbs	355"	83.4"	91.2"
Proposed	AWV016B	600 A	245.6 Tons	15931 lbs	334"	88"	100"

*Tonnage @  
AHRI ratings*

Job Information		Item Summary	
Job Name	Plymouth Middle School Chiller Replacement - SN 58F8136901 - 22404756	Date	11/8/2024
Model	AWV016B	Software Version	16.21
Unit Tag	CH-1		

Unit Options		
Code Item	Code Value	Description
1	AWV	UNIT TYPE; AWV
2	016	FAN NUMBER; 16 Fans
3	B	VINTAGE; B Vintage
4	JFN	COMPRESSOR SIZE; JFN
5	AC	TYPE OF COMPRESSORS; AC Compressors
6	KGN	ECONOMIZER; KGN
7	PK	CONSTRUCTION TYPE; Package
8	EV4027A1207	EVAP SIZE/TUBE COUNT; EV4027A1207
9	NCN3	TUBE MATERIAL; Copper
10	L1GS	HEAD CONFIGURATION; Left Hand Grooved
11	4	WATERSIDE PRESSURE; 150 PSIG
12	S	EVAPORATOR INSULATION; Single Insulation
13	0440	LEAVING FLUID TEMP; 0440
14	P40	% OF GLYCOL; P40
15	P	CONDENSER COIL; MicroChannel (Epoxy Coating)
16	0950	AMBIENT TEMP; 0950
17	AF	FAN TYPE; AC Fan Motors / Fantrol
18	460V60H	VOLTAGE; 460V60H
19	VF	STARTER TYPE/FILTER; VFD without Filters
20	0221	COMPR RLA #1; 0221
21	0143	COMPR RLA #2; 0143
22	NNNN	COMPR RLA #3; None
23	0850	OPERATING HERTZ #1; 0850
24	0600	OPERATING HERTZ #2; 0600
25	NNNN	OPERATING HERTZ #3; None
26	DC	POWER CONNECTION; Single Point Disconnect Sw. & Circuit Protection
27	N	SWITCH OPTIONS; None
28	N	SITELINE; None
29	NN	COMMUNICATION; None
30	N	DISPLAY OPTIONS; On Controller Only
31	G	GROUND FAULT; Ground Fault Protection for the Unit
32	C	OUTLET; 115v Outlet
33	A	WATER FLOW; Water Flow Indication
34	N	RESTORE; Standard
35	N	FAN VFD LINE REACTORS; None
36	N	CONTROL BOX HEATER; None
37	S	VALVES; With Suction Shut-off Valves Only
38	N	LIQUID INJECTION; None
39	G	GUARDS; Condenser Coil Wire Grilles Only
40	NN	EXPANSION TANK; None
41	ST	SOUND; Internal Discharge Compressor Muffler
42	NN	SPECIAL CONSTRUCTION; Standard
43	J	BRAND NAME; Daikin
44	E	AGENCY APPROVAL; With ETL Label

Code Item	Code Value	Description
45	A	AHRI APPROVAL; With AHRI Label
46	A	ASHRAE APPROVAL; With ASHRAE Label
47	N	CRN EVAPORATOR; No CRN
48	B	SHIPPING/PACKAGING; Bagged
49	W	WATER PUMP HP; Without Pumps
50	N	PUMP POWER SUPPLY; No Pump Power Supply
51	N	PUMP SPEED; None
52	N	PUMP #; None
53	0586	PUMP FLOW; 0586
54	NNN	PUMP HEAD; Pump Head
55	N	PUMP PACKAGE STARTER; No Pump Package
56	N	PUMP GAUGES; No Pressure Gauges
57	NNNN	PUMP IMPELLER SIZE; No Pumps
	NNNNNNNN	
58	NNNNNNNN	PUMP PART NUMBER; No Pumps
	NN	
59	DSU	UNIT START; Domestic Startup By Daikin SVC or Daikin ASP
60	DPL	STANDARD WARRANTY; Domestic, 1st year std warranty - parts & labor
61	CPE4	EXT COMPRESSOR WARRANTY; Compressor Only - Ext. 4 Year Parts Only
62	NNNN	EXT UNIT WARRANTY; Entire Unit - No extended unit warranty
63	NNN	REFRIGERANT WARRANTY; Refrigerant Warranty - No refrigerant warranty
64	D00	DELAYED WARRANTY START; Additional Months
65	S	UNIT MISC; Standard Unit
66	F0	TESTING; Functional Test
67	161	CIR #1 REFRIGERANT QTY; 161 lb
68	180	CIR #2 REFRIGERANT QTY; 180 lb
69	000	CIR #3 REFRIGERANT QTY; None
70	2360	OUTPUT AMPS COMPR #1; 2360
71	1470	OUTPUT AMPS COMPR #2; 1470
72	NNNN	OUTPUT AMPS COMPR #3; None
73	S	SHIP; Standard Ship
74	0D	UNIT REVISION; Major Unit Change Revision
75	B	OUTPUT AMP RANGE #1; B
76	A	OUTPUT AMP RANGE #2; A
77	N	OUTPUT AMP RANGE #3; N/A
78	223	UNIT TONS; 223
79	0907	UNIT EER; 0907
80	1711	UNIT IPLV; 1711
81	5	REFRIGERANT TYPE; R513A
82	02119	LRA AMPS COMPR #1; 02119
83	00976	LRA AMPS COMPR #2; 00976
84	00000	LRA AMPS COMPR #3; Amps
85	N	MANUFACTURING; Location & Base Type to be determined

Accessories				
Part Number	Description	Qty	Ext Qty	
332946401	Spring Isolator Kit; AWW: (4) 2 SPNG GRAY, (6) 4 SPNG BLACK	1	1	
331758936	Strainer Kit; Grooved; 6", AWW EV40; AWS	1	1	



Job Information		Technical Data Sheet
Job Name	Plymouth Middle School Chiller Replacement - SN 58F8136901 - 22404756	
Date	11/8/2024	
Submitted By	Andrew Williams	
Software Version	16.21	
Unit Tag	CH-1	



Image may not represent ordered unit

Unit Overview					
Model Number	Capacity ton	Voltage	Unit Starter Type	ASHRAE 90.1	LEED Enhanced Refrigerant Management Credit
AWV016B	223.2	460 V / 60 Hz / 3 Ph	VFD	'07, '10, '13, '16 & '19	Pass

Unit								
Unit Type					Platform			Unit Revision
Air-Cooled Screw Compressor Chiller					Packaged			0D
Fan Type					Tubing			
AC Fan Motors / Fantrol (32°F Min.)					With Suction Shut-off Valves Only			
Display								
On Controller only								
Compressor					Refrigerant Economizer			
JFN					KGN			
Refrigerant Type					Refrigerant Weight			
R513A					341 lb (per unit )			
Approval								
ETL/cETL, AHRI & ASHRAE 90.1								
Evaporator								
Evaporator Model:		EV4027A1207						
Fluid Volume:		63.3 gal						
Connection Hand:		Grooved / Left Hand						
Connection Size:		6.0 in						
Insulation:		Single Layer Insulation on Evaporator						
Entering Fluid Temperature	Leaving Fluid Temperature	Fluid Type	Glycol Concentration	Fluid Flow	Fluid Flow (with glycol) Min / Max	Pressure Drop	Pressure Drop (with glycol) Min / Max	Fouling Factor
54.00 °F	44.00 °F	Propylene Glycol	40.0 %	586.3 gpm	188.0 / 748.0 gpm	26.0 ft H <sub>2</sub> O	0.000 / 43.4 ft H <sub>2</sub> O	0.000100 °F.ft <sup>2</sup> .h/Btu
Note: Evaporator Pressure Drop includes Field Installed Accessory Kit Strainer. Pressure drop without strainer is 23.6. Minimum flow is based on a Variable Flow Pumping System Type and applies to part load conditions only.								

Condenser			
Number of Fans:	16		
Coil Fins:	MicroChannel (Epoxy Coating)		
Guards:	Condenser Coil Wire Grilles only		
Design Ambient Air Temperature	Altitude	Fan Diameter	Minimum Design Ambient Temperature
95.0 °F	0.000 ft	31.5 in	32.0 °F

## Unit Performance

Design													
Capacity			Input Power			Efficiency (EER)			IPLV/IP (EER)*				
223.2 ton			295.2 kW			9.074 Btu/W.h			17.11 Btu/W.h				
Performance Points rated at AHRI Ambient Relief - with Glycol													
Point #	% Load	Unit				Refrigerant Economizer Status #1; #2	Compressor RPS #1; #2	Fluid Flow gpm	Evaporator			Condenser	
		Capacity ton	Input Power kW	Efficiency (EER) Btu/W.h	Pressure Drop ft H <sub>2</sub> O				Entering Fluid °F	Leaving Fluid °F	Ambient Air °F	Altitude ft	
1	100.0	223.2	295.2	9.074	On; On	85; 60	586.3	23.6	54.00	44.00	95.0	0.000	
2	75.0	167.4	147.8	13.59	On; Off	53; 41	586.3	23.6	51.50	44.00	80.0	0.000	
3	50.0	111.6	74.09	18.08	Off; Off	34; 26	586.3	23.5	49.00	44.00	65.0	0.000	
4	25.0	55.80	32.07	20.88	Off; Off	29	586.3	23.5	46.50	44.00	55.0	0.000	
* IPLV reflects AHRI standard rating conditions with water and may change with user defined conditions due to AWV product optimized configurability. Note: Evaporator Pressure Drop in this table does Not include strainer. For strainer pressure drop data see 'Evaporator' table on page 1.													

\* IPLV reflects AHRI standard rating conditions with water and may change with user defined conditions due to AWV product optimized configurability.

Note: Evaporator Pressure Drop in this table does Not include strainer. For strainer pressure drop data see 'Evaporator' table on page 1.

## Sound Data (Internal Discharge Compressor Muffler)

Sound Pressure (at 30 feet)																								
% Load		63 Hz db		125 Hz db		250 Hz db		500 Hz db		1 kHz db		2 kHz db		4 kHz db		8 kHz db		Overall dBA						
100		79		76		72		70		68		62		55		49		72						
75		76		73		70		67		64		56		51		45		69						
50		76		72		67		65		62		54		49		43		67						
25		72		69		64		62		59		51		46		40		64						
Sound Power																								
% Load		63 Hz db		125 Hz db		250 Hz db		500 Hz db		1 kHz db		2 kHz db		4 kHz db		8 kHz db		Overall dBA						
100		106		103		99		97		95		89		82		76		99						
75		103		100		97		94		91		83		78		72		96						
50		103		99		94		92		89		81		76		70		94						
25		99		96		91		89		86		78		73		67		91						
One-third Octave Band Sound Power																								
% Load	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz
100	102	102	99	98	98	98	94	95	94	94	93	89	89	91	90	86	83	81	79	77	76	74	68	65
75	100	99	97	95	96	95	91	93	93	90	89	88	86	87	86	80	78	77	74	73	72	71	65	62
50	99	98	96	94	95	94	90	91	88	89	88	84	85	85	83	78	76	74	72	71	70	69	63	60
25	96	95	93	91	92	91	86	87	85	86	85	81	82	82	80	75	73	71	69	67	67	66	60	57
Sound Pressure (at 30 feet) and Sound Power (at 30 feet) are A-weighted. Sound data rated in accordance with AHRI Standard 370.																								

Octave band is non 'A' weighted and overall readings are 'A' weighted. Sound data rated in accordance with AHRI Standard-370.

## Physical

			Unit	
Length*	Height	Width*	Shipping Weight*	Operating Weight*
334 in	100 in	88 in	15370 lb	15931 lb

\* Shipping and operating weights are based on 'worst case' unit configuration variations but do not include the weights of any Options or Accessories. Contact Chiller Applications for additional information.

## Electrical

Unit Electrical Data				
Voltage	Starter Type	Fan Motor Quantity	LRA Fan Motor (each)	FLA Fan Motors (each)
460 V / 60 Hz / 3 Ph	VFD	16	10.5 A	3.3 A
Power Connection Type:	Single Point Disconnect Switch with Circuit Protection			
Short Circuit Current Rating:	10 kA			
Box Size Code:	S			
Phase Voltage:	None (PVM included as part of Solid State / VFD)			

Single Point Power Connection	
Minimum Circuit Ampacity (MCA):	481 A
Recommended Overcurrent Protection Size:	600 A
Maximum Overcurrent Protection Size(MOCP):	700 A
Lug Connection Size:	(3) 2/0-400MCM

Compressor Electrical Data		
Compressor Type	Compressor Quantity	Starter Type
Screw	2	VFD
	Compressor #	
	1	2
Rated Load Amps (RLA):	221 A	143 A
Inrush Current:	221 A	143 A

Note: Power wiring connections to the chiller may be done with either copper or aluminum wiring. Wire should be sized per NEC and/or local codes. Wire sizing and wire count must fit in the power connection lug sizing listed above. Please contact your local sales office for more information.

## Options

High Stage Relief Valve: Included

Electrical	
Ground Fault:	Unit Ground Fault Protection
Unit Options:	115V Convenience Outlet
Water Flow Indicator:	Thermal Dispersion Type

## Warranty

Unit Startup	Domestic
Standard Warranty:	1st Year Entire Unit Parts & Labor
Extended Compressor Warranty:	Compressor Only; extended 4 years parts only (5 Years Total)

## AHRI Certification



Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at [www.ahridirectory.org](http://www.ahridirectory.org). Unit contains freeze protection liquids in the evaporator and is certified when rated per the Standard with water.

Performance at AHRI Standard Condition – with Water										
% Load	Capacity ton	Unit		IPLV/IP* (EER)	Fluid Flow gpm	Evaporator			Condenser	
		Input Power kW	Efficiency (EER) Btu/W.h			Pressure Drop ft H <sub>2</sub> O	Entering Fluid °F	Leaving Fluid °F	Ambient Air °F	Altitude ft
100	223.2	266.9	10.04	17.11	534.2	15.3	54.00	44.00	95.0	0.000

Note: Performance with water given as reference only to show compliance with AHRI Standard 550/590. Unit will be configured from the factory to support glycol performance as rated. The unit must not operate with water only without consulting the factory.



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	2
<b>Project Title and Description:</b> Districtwide HVAC Repair/Replace/assessment	<b>Total Project Cost:</b>	\$525,000

Department/Division Head: Matt Durkee

Check if project is:    New ☒    Resubmitted ☐                      Cost estimate was developed: Internally ☒    Externally ☐

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$525,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>					
<b>Total Capital</b>	<b>\$525,000</b>				

**Project Justification and Objective:** 13 schools with many HVAC issues. We are continuing to work through the long list of repairs and replacements throughout the District.

Included in this request is a \$25k operational assessment of the PSMS roof top units. This assessment will provide and equipment operational assessment, expected lifespan, and year to year replacement schedule.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐    No ☒  
Yes ☐    No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: \_\_\_\_\_

Attach backup information, estimates, or justification to support this request.

## Plymouth Schools CAP PLAN 27 HVAC Deficiencies

### Town of Plymouth Public School Systems (9/26/2024) Immediate Needs

#### 1. Federal Furnace Elementary School

a ERU-4

b HV-1

i Exhaust fan bearings are loud.

i Does not run in heat

c ERU-6

i Exhaust fan motor bearings noisy

ii Possible condenser fan motor needs to be replaced

iii

d Boiler #2

Supply fan bearings are loud.

i Loss of flame during ignition.

e ERU-2

i Circuit #1 - off on low pressure.

ii Supply Fan Loud Bearings.

iii

f ERU-5

Would not run in high fire for heating attempted to work with ENE.

i Gas cock is off to the unit

ii Exhaust fan bearings are loud

g RTU-7

i Supply Fan belt  
loose

#### 2. Indian Brook Elementary School

a ERU-1

i Compressor vfd screen periodic visual  
distortion.

b ERU-2

i Circuit #1 tripped on low  
pressure.

ii Energy Wheel has no belt.

iii

c. ERU-3

Return fan has loud bearings.

- i. Airflow screen not functioning.
- ii. Energy recovery wheel needs to be tightened

d. ERU-4

- i. Compressor vfd screen not working
- ii. Excessive vibration from compressor
- iii.

e. ERU-5

Burner fan motor is running during cooling operation.

- i. Compressor vfd screen not working.
- ii. Circuit #1 site glass is flashing but condenser coil needs to be cleaned before evaluation

f.

ERU-6

Compressor vfd screen not working.

- ii. Burner was in fault mode at time of evaluation.

### 3. Plymouth Admin Building

a. RTU-4

- i. Evaluate the unit for heating operation.
- ii. Check with James for BMS operation of the boiler.

### 4. Plymouth South Middle School

a. Create a service call for a building wide evaluation.

b. AC-9

- i. Replace the entire unit

c. AC-4

- i. Condenser coil is deteriorated beyond repair.

d. AC-1

e. AC-2

- i. In need of replacement
- i. In need of replacement

f. Evaluation of water coil valves and pressure for the system.

### 5. Hedge Elementary School

a. No problems present. No Cooling in this school



- b. There is only cooling in the gym. This is a portable cooler.

## 6. West Elementary School

### a. ERU-1

- i. Evaluate operation

### b. ERU-2

- i. Circuit #1 has high superheat and no subcooling.

ii. Circuit #2 is out of refrigerant.

iii.

iv.

Energy Wheel belt is broken.

Supply fan motor has oil and failed bearings.

- v. Return Fan has oil on the end bell

### c. ERU-3

i. Circuit #1 suspected leak and condenser fan vfd issue.

Circuit #2 is off due to a refrigerant leak.

### d. ERU-4

### e. ERU-5

- i. Circuit#1 switch is off.

- i. Circuit #1 copeland digital scroll in alarm for locked rotor

- ii. Circuit #2 subcooling is low and superheat is high

iii.

iv.

### f. ERU-6

### g. HV-1

Energy recovery wheel covered in oil and bearings are clicking. Supply fan bearings are clicking.

- i. Circuit #1 TXV Replacement

- ii. Circuit #2 is low on refrigerant. Hot gas is constantly active.

Energy Recovery Wheel bearings are clicking.

iii.

- i. Supply Fan belts loose

## 7. North High School

a. Chilled Water Pump (Possibly 3)

- i. Locked out and tagged out. Need to figure out why.

b. Check the glycol percentage of both hot water and chilled water loops

c. 2 boilers are off. Need to address during the pm.

d. Look at adding side stream filtration for the condenser water loop.

e. Service Call for the athletic directors office. Condensate issues. Work with John from facilities to provide permanent solution. Possibly adding ductless split system.

i. Possibly use the carrier equipment that's in the maintenance

r. MDF Closets. Revisit the Sampling quotes from Ed Mallos for this project.

#### 8. Cold Spring Elementary School

a. \$40k Cooling Station Project

b. Exhaust Fans for the building need to be replaced. Work with matt on the procurement process for this school. 5 or 6 fans total.

#### 9. Nathaniel Morton Elementary School

a. Cooling Station - \$100k

b. Kitchen Exhaust fan operation. Need to evaluate.

#### 10. Manomet Elementary

a. Outside air damper issues for combustion air

b. Univent Actuation. Look at loop pressure and valve/actuator issues.

c. Look into rooftop replacement for main office.

#### 11. Plymouth Community Intermediate School

a. Paid for (5) Compressors

b. Paid for two of the above compressors to be installed

i. Matt to decide Diamond Mechanicals involvement

c. Multiple (19-20 Condenser Fan Replacements)

d. Look into differential pressure for chilled instead of the paddle style flow switch. e. RTU-25 Trane said there is nothing they can do and it needs to be replaced.



## Proposal for RTU Lifeline Analysis Report

South Middle School – Plymouth, Massachusetts

Prepared by: Brian Gerrior Jr – Diamond Mechanical, Inc.

Date: 9/16/2025

### Executive Summary

South Middle School has requested an RTU Lifeline Analysis Report to evaluate existing mechanical and electrical systems. The goal of this report is to identify opportunities to improve performance, reduce operating costs, and extend the service life of existing equipment.

This proposal outlines the scope of services, deliverables, and pricing for the project.

### Scope of Work

#### 1. Site Assessment

- Review of existing HVAC, mechanical, and control systems.
- Walkthrough inspection of 17 rooftop units (RTUs) and 2 make-up air units (MAUs).
- Identification of current issues, inefficiencies, and longevity.

#### 2. Performance Data Collection

- RTU runtime and setpoint analysis.
- Review of current energy consumption patterns.
- Analysis of system scheduling, setbacks, and occupancy alignment.

#### 3. System Analysis

- Benchmarking RTU and equipment performance against industry standards.
- Identification of opportunities for optimization.
- Preliminary review of potential savings from improvements.

#### 4. Recommendations & Reporting

- Written report with actionable recommendations.
- Prioritized list of low-cost/no-cost adjustments.
- Outline of potential capital upgrades for longer-term savings.
- Estimated cost savings and payback where applicable.







### Deliverables

- Comprehensive RTU Lifeline Analysis Report (digital PDF).
- Executive summary suitable for school administration and facilities management.
- Recommendation matrix with estimated savings and next steps.

### Timeline

The project will be completed within 4 weeks from notice to proceed, subject to site access and data availability.

### Investment

The total cost for completing the RTU Lifeline Analysis Report for South Middle School is:  
\$26,695 (twenty-six thousand six hundred ninety-five dollars)

This fee is inclusive of all labor, travel, data analysis, and reporting.

### Acceptance

To proceed with this work, please sign below and return a copy to our office.

Authorized Representative – South Middle School

Signature: \_\_\_\_\_

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

Date: \_\_\_\_\_





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	3
<b>Project Title and Description:</b> PSMS - New Roof - two ply modified	<b>Total Project Cost:</b>	\$3,180,000

**Department/Division Head:** Matt Durkee

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>	\$30,000		FY28		
<i>Labor and Materials</i>	\$3,000,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$150,000	5%			
<b>Total Capital</b>	\$3,180,000				

**Project Justification and Objective:** Plymouth South Middle School was built in 1999. This roof currently qualifies through Garland Roofing for a two ply modified roof system. Garland has been on site taking core samples of the insulation and pull strength of the existing roof. This system will provide a 30 year warranty.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 30 years +

**Attach backup information, estimates, or justification to support this request.**



Plymouth Public Schools



Matthew Durkee &lt;mdurkee@plymouth.k12.ma.us&gt;

---

**PSMS Roof Budgets**

2 messages

**Brian Kender** <bkender@garlandco.com>  
To: Matthew Durkee <mdurkee@plymouth.k12.ma.us>

Tue, Sep 9, 2025 at 3:45 PM

Hi Matt,

**Plymouth South Middle School ~88,000 Square Feet**

Fluid Applied Restoration Budget (20 Year Warranty) \$2,200,000.

Two Ply Modified Retrofit Budget (30 Year Warranty &amp; same system as Manomet) \$3,000,000

Depending on which route you think the town will choose, I can have GRLA prepare a fee proposal for the appropriate scope of work.

Thank You,  
Brian Kender**Brian Kender**

Area Manager - Boston M.A.

The Garland Company, Inc.

p: (617) 755-4655

e: [bkender@garlandind.com](mailto:bkender@garlandind.com)s: [www.garlandco.com](http://www.garlandco.com)**"Service is our best product."****Garland Full Service Manufacturer**

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**Matthew Durkee** <mdurkee@plymouth.k12.ma.us>  
To: Brian Kender <bkender@garlandco.com>

Wed, Sep 10, 2025 at 10:15 AM

Thank you, Brian!!  
[Quoted text hidden]

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> <span style="font-size: 1.2em;">Plymouth Public Schools</span>	<b>Priority #:</b>	<span style="font-size: 1.5em;">6</span>
<b>Project Title and Description:</b> <span style="font-size: 1.2em;">School Bus</span>	<b>Total Project Cost:</b>	<span style="font-size: 1.2em;">\$154,967.31</span>

Department/Division Head: Adam Blaisdell

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$140,879.31		FY32		
<i>Other</i>					
<i>Contingency</i>	\$14,088.00				
<b>Total Capital</b>	\$154,967.31				

**Project Justification and Objective:** Plymouth Public Schools operates buses for field trips, athletics and 5 home to school routes. 4 of the buses we currently own are 12 years old and are requiring increased maintenance.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐    No ☒  
Yes ☐    No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2013 Thomas School Bus

What is the expected lifespan of this new/replacement equipment: 10 years

Attach backup information, estimates, or justification to support this request.



## Plymouth Public Schools

### Plymouth Public Schools

11 Lincoln Street  
Plymouth, MA 02360  
United States

### Adam Blaisdell

ablaisdell@plymouth.k12.ma.us  
5088304315

Reference: 20250917-092656642

Quote created: September 17, 2025

Quote expires: December 16, 2025

Quote created by: Dayhana Amaral

School Bus Sales Representative

dayhana.amaral@dattco.com

+18604901424

### Comments from Dayhana Amaral

Thank you for choosing to trust us when making your vehicle buying decision. We truly appreciate your business. Please always feel free to reach out to me by phone at 860-490-1424 or by email at dayhana.amaral@dattco.com if you have any questions.

Please note this bus is priced using Sourcewell contract# 102623-ICB / Plymouth Public Schools account# 14346



## Products & Services

Item & Description	Quantity	Unit Price	Total
Plymouth Public Schools - IC Bus 77-Passenger IC Next-Gen School Bus Hydraulic brakes Air Conditioner with integral heater and defroster Drivers arm rest and heated driver seat Battery disconnect switch Driver compartment above left of driver Electric front crossing gate 100-gallon fuel tank (2) hand rails - one on each side Tinted windows Diesel engine - 260HP Cummins engine Remote mirrors Instrumental wing panel Stepwell and fuel tank - Naviflex coated 5-year telematic data plan and International 360 60-month extended vehicle coverage and towing	1	\$140,879.31	\$140,879.31
One-time subtotal			\$140,879.31
<b>Total</b>			<b>\$140,879.31</b>

## Purchase terms

This Quote is subject to the DeVivo Bus Sales standard terms and conditions of sale, which are available at <https://www.devivobus.com/terms-conditions> (the "DBS Terms and Conditions"). By accepting this Quote, the customer shall be deemed to have accepted and be bound by the DBS Terms and Conditions.

## Signature

---

Signature

---

Date

---

Printed name

## Questions? Contact me



Dayhana Amaral  
School Bus Sales Representative  
dayhana.amaral@dattco.com  
+18604901424

DeVivo Bus Sales  
315 South Street  
New Britain, CT 06051  
United States

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> Plymouth Public Schools	<b>Priority #:</b>	7
<b>Project Title and Description:</b> 7D Van	<b>Total Project Cost:</b>	\$86,205.00

**Department/Division Head:** Adam Blaisdell

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$78,368.00		FY32		
<i>Other</i>					
<i>Contingency</i>	\$7,837.00				
<b>Total Capital</b>	<b>\$86,205.00</b>				

**Project Justification and Objective:** Plymouth Public Schools operates vans for students who are Individualized Education Plans Private contractors are charging between \$600 and \$900 per day Our primary contractor runs the routes for approximately \$300 per day We can run the routes for less money daily

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 10 years

Attach backup information, estimates, or justification to support this request.



**NATIONAL VAN BUILDERS, INC.**

80 PINE STREET  
 ATTLEBORO, MA 02703-3907

# Quote

Phone: (800) 527-7477  
 Fax: (508) 222-7882

Customer No. PLYSCH  
 Quote No. 8952

Quote To: **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH, MA 02360

Ship To: **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH, MA 02360

Attention: ADAM BLAISDELL

Date		Ship Via		F O B		Terms	
09/16/2025				Origin		C O D	
Purchase Order Number			Sales Person			Required	
			ANDREW PERLMAN			09/16/2025	
Quantity			Item Number	Description	Unit Price	Amount	
Required	Shipped	B O					

1

2026 RAM Promaster 2500  
 8 900 GVWR, 159" wheelbase  
 white exterior, 3.6L V6

engine, 9-speed automatic  
 transmission, front wheel  
 drive, 135 amp alternator

U connect AM/FM/CD/BD, HD  
 batteries, power folding  
 heated mirrors, rear defrost

backup camera, privacy glass  
 daytime running lamps

Premium convenience group  
 convenience group, power  
 group

bluetooth, Car Play

1

Promaster 2500 base  
 conversion package - ABS  
 interior & headliner

Steel subfloor for FMVSS  
 compliance, Advantech sub-  
 floor with Lincoln cover

back up alarm

1

35000 BTU AC / 30000 BTU  
 heat- ceiling mount above  
 driver with ABS cover

Heat booster pump

1

Thank You

**NATIONAL VAN BUILDERS, INC.**  
 80 PINE STREET  
 ATTLEBORO, MA 02703-3907

# Quote

Phone (800) 527-7477  
 Fax (508) 222 7882

Customer No PLYSCH  
 Quote No 8952

Quote To **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH MA 02360

Ship To **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH, MA 02360

Attention ADAM BLAISDELL

Date	Ship Via	F.O.B.	Terms		
09/16/2025		Origin	C.O.D.		
Purchase Order Number		Sales Person	Required		
		ANDREW PERLMAN	09/16/2025		
Quantity		Item Number	Description	Unit Price	Amount
Required	Shipped				

NVB Quiet Tech package-  
 Full insulation wrap

1			Freedman single passenger GO ES rigid seat 3PT w/ integrated shoulder belt		
1			Freedman 2 passenger GO ES rigid seat 3PT w/ integrated shoulder belts		
1			Freedman Caregiver single ICS rigid seat 3PT w/ integrated shoulder belt		
2			Freedman Caregiver double ICS 3PT rigid seat 2 position ICS		
1			Driver door grip step powder coated black		
1			Extended 100" passenger side grip step - powder coated black		
1			Stainless steel grab pole		
1			Premium vinyl lettering one color		
1			7D compliance kit Mid / High roof vans - 2 LED flashing lights above windshield,		
			School bus lettering, WING STYLE school bus sign w. fish lights above rear doors		

Thank You

**NATIONAL VAN BUILDERS, INC.**  
 80 PINE STREET  
 ATTLEBORO, MA 02703-3907

# Quote

Phone: (800) 527-7477  
 Fax: (508) 222-7882

Customer No: PLYSCH  
 Quote No: 8952

Quote To: **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH, MA 02360

Ship To: **PLYMOUTH PUBLIC SCHOOLS**  
 11 LINCOLN STREET  
 PLYMOUTH, MA 02360

Attention: ADAM BLAISDELL

Date	Ship Via	FOB	Terms		
09/16/2025		Origin	C O D		
Purchase Order Number		Sales Person	Required		
		ANDREW PERLMAN	09/16/2025		
Quantity		Item Number	Description	Unit Price	Amount
Required	Shipped				

LED door ajar light, body  
 fluid kit (2) chock blocks.  
 web cutter

7d first aid kit, 5# fire  
 extinguisher triangle kit

Child Checkmate System

VAN MUST HAVE BACKUP ALARM

\*\*\*COMPONENT PRICE INCREASES  
 INCURRED DUE TO TARIFFS MAY  
 BE PASSED ON TO CUSTOMER\*\*\*

DELIVERED

SALES TAX NOT INCLUDED

Quote subtotal: 78368.00

Quote total: 78368.00

THIS QUOTE EXPIRES ON 10/16/2025

Thank You



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	10
<b>Project Title and Description:</b> PCIS Tennis court renovation	<b>Total Project Cost:</b>	\$550,000

**Department/Division Head:** Matt Durkee

Check if project is:    New ☒    Resubmitted ☐    Cost estimate was developed: Internally ☒    Externally ☐

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$500,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$50,000	10%			
<b>Total Capital</b>	<b>\$550,000</b>				

**Project Justification and Objective:** Court, sidewalks and fence replacement.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan    Yes ☐    No ☒  
 Can this project be phased over more than one fiscal year?    Yes ☐    No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: 20 + years

Attach backup information, estimates, or justification to support this request.

# PRESTIGE ASPHALT

DRIVEWAYS-SIDEWALKS-PARKING LOTS

[www.pavingbyprestige.com](http://www.pavingbyprestige.com)

**NAME: Plymouth Community Intermediate School**

**ADDRESS: 117 Long Pond Road**

**CITY: Plymouth, MA 02360**

**PHONE: (508) 830-4450 E-Mail: mdurkee@plymouth.k12.ma.us**

- ☐ Prep Tennis Courts for Asphalt Installation, Acrylic Painting and Line Striping
- ☐ Remove Existing Asphalt of Tennis Courts and Walkways and Fencing
- ☐ Add Reprocessed Gravel and Complete with Asphalt Coat Installation (Roll to Compact)
- ☐ Install Asphalt for Tennis Courts (Roll to Compact)
- ☐ Acrylic Painting and Line Striping to Tennis Courts
- ☐ Fence Removal and Replacement included
- ☐ Install Re-processed Gravel for walkways (Compact)
- ☐ Install Asphalt Walkways and Asphalt Berms (berms or for back area), Compact

**Total: \$500,000**

\*All work Guaranteed for 2 years against workmanship. Prestige Paving cannot be responsible for chemical spills, vegetation growth, marks due to sharp objects, tire marks, and settlement. If any other work is done over and above the paving work performed by Prestige Paving (Including Sealcoating) the guarantee will be null and void.

Customer Signature:

Authorized Signature: KWB

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	15
<b>Project Title and Description:</b> District Wide Ford F 550 Box	<b>Total Project Cost:</b>	\$99,000

**Department/Division Head:** Matt Durkee

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$90,000		FY32		
<i>Other</i>					
<i>Contingency</i>	\$9,000	10%			
<b>Total Capital</b>	\$99,000				

**Project Justification and Objective:** District Wide Carpenters box truck is past it's usable life.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2013 F450 box truck #934

**What is the expected lifespan of this new/replacement equipment:** 15 + years

**Attach backup information, estimates, or justification to support this request.**



## Fwd: F550 Box Truck

Inbox

**Keith Malaguti**

to Adam, me

Keith Malaguti  
Assistant Facilities Director  
Plymouth Public Schools  
Cell (774)263-7241  
Office (508)224-5082  
[kmalaguti@plymouth.k12.ma.us](mailto:kmalaguti@plymouth.k12.ma.us)

----- Forwarded message -----

From: **Jay Matisko** <[JMatisko@buycmg.com](mailto:JMatisko@buycmg.com)>  
Date: Wed, Sep 17, 2025 at 7:48 AM  
Subject: Re: F550 Box Truck  
To: Keith Malaguti <[kmalaguti@plymouth.k12.ma.us](mailto:kmalaguti@plymouth.k12.ma.us)>  
CC: Michael Casey <[mcasey@dejana.com](mailto:mcasey@dejana.com)>

The F550 chassis is about  
\$60,000 with options so I would budget around \$85,000 to \$90,000

On Sep 17, 2025 6:26 AM, Keith Malaguti <[kmalaguti@plymouth.k12.ma.us](mailto:kmalaguti@plymouth.k12.ma.us)> wrote:  
Good morning guys!

I have to have everything turned in by 11am today. Is there any chance?

Thank you!

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	16
<b>Project Title and Description:</b> South Elementary parking lot mill and overlay	<b>Total Project Cost:</b>	\$357,500

**Department/Division Head:** Matt Durkee

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$325,000		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$32,500	10%			
<b>Total Capital</b>	<b>\$357,500</b>				

**Project Justification and Objective:** South Elementary is in need of parking lot repairs. This project will also add an asphalt ramp to the back playground.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 15 + years

**Attach backup information, estimates, or justification to support this request.**

# PRESTIGE PAVING

DRIVEWAYS-SIDEWALKS-PARKING LOTS

[www.pavingbyprestige.com](http://www.pavingbyprestige.com)

NAME: Plymouth South Elementary School

ADDRESS: 178 Bourne Road

CITY: Plymouth, MA 02360

PHONE: (508) 830-4390 E-Mail: [mdurkee@Plymouth.K12.MA.US](mailto:mdurkee@Plymouth.K12.MA.US)

- ☐ Prep Roadway area and parking area
- ☐ Mill/Grind Existing Asphalt
- ☐ Apply Reprocessed Gravel, Grade, Compact (to areas, as needed)
- ☐ Install 2" asphalt basecoat (Roll to Compact)
- ☐ Install 1.5" asphalt topcoat (Roll to Compact)
- ☐ Line Stripe: Parking Spots, Handicapped, Lettering, Arrows, Etc.
- ☐ Prep area in back for Ramp Installation (this will include tree removal)
- ☐ Apply Reprocessed Gravel, Grade, Compact
- ☐ Install Asphalt for walkway (Compact)

Total: \$325,000

Prestige Paving cannot be responsible for chemical spills, vegetation growth, marks due to sharp objects, tire marks, settlement and sprinkler systems splashing sealcoat onto buildings, cars or any other areas, or washing away newly applied sealcoat. Not responsible for pedestrians walking and driving through blocked-off and completed work. If any other work is done over and above the paving work performed by Prestige Paving (Including Sealcoating) the guarantee will be null and void.



**Customer Signature:**

**Authorized Signature: KWB**



**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	17
<b>Project Title and Description:</b> DW Equipment - PCIS- ATV & mower	<b>Total Project Cost:</b>	\$43,281

**Department/Division Head:** Matt Durkee

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>			FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>	\$39,346		FY32		
<i>Other</i>					
<i>Contingency</i>	\$3,935	10%			
<b>Total Capital</b>	<b>\$43,281</b>				

**Project Justification and Objective:** The new parkinglot an driveway needs to be maintained with the proper equipment. This equipment "package" request will be able to safely and effectively maintain the large Grounds at PCIS.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

1999 Kubota mower

**What is the expected lifespan of this new/replacement equipment:** 15 + years

**Attach backup information, estimates, or justification to support this request.**





www.norfolkpower.com  
info@norfolkpower.com

Ship To: IN STORE PICKUP

5 Cushing Drive  
Wrentham, MA 02093  
Tel: (508) 384-0011  
Fax: (508) 384-8667

846 Bronco Highway  
Burrillville, RI 02830  
Tel: (401) 710-9911  
Fax: (401) 710-9466

45 North Main Street  
Carver, MA 02330  
Tel: (774) 213-9190  
Fax: (508) 465-0931

\*\*\*Please remit payment to Wrentham address\*\*\*

Invoice To: PLYMOUTH PUBLIC SCHOOLS  
ACCOUNTING PAYABLE DEPARTMENT  
11 LINCOLN ST.  
PLYMOUTH MA 02360

Branch 03 - CARVER		
Date 09/16/2025	Time 18:02:17 (O)	Page 1
Account No PLYMO013	Phone No 5088304005	Est No 00 Q05923
Ship Via		Purchase Order
Tax ID No		
JASON DONOVAN		Salesperson JWD / JWD

### EQUIPMENT ESTIMATE - NOT AN INVOICE

Description	** Q U O T E **	EXPIRY DATE: 12/15/2025	Amount
KUBOTA WHF14NC-36-2 36" HYDRO WALK BEHIND MOWER			7849.00
		Sale # 01 Subtotal:	7849.00
		Total:	7849.00
Miscellaneous Charges/Credits =====			
STATE CONTRACT	Qty: 1 Price:	628.00	628.00-
	Miscellaneous Charges/Credits Total:		628.00-
		Subtotal:	7221.00
Authorization: _____		Quote Total:	7221.00

\*\*\*All new equipment quotes valid for 45 days unless stated otherwise.\*\*\*

**Thank You For Your Business!**

**WHOLEGOODS RETURN POLICY:** All new equipment comes with a written manufacturer's warranty. Any defects in material workmanship are subject to repair according to the manufacturer's warranty. Unless directed by the manufacturer, equipment will not be replaced. Equipment returned within seven (7) business days in new unused condition may be exchanged or refunded for the full amount. Equipment returned within seven business days and has been used must be in resalable condition is subject to a thirty percent (30%) restocking fee. No returns or exchanges after seven (7) business days. All special orders are subject to a twenty percent (20%) cancellation fee once the order is placed.

**PARTS POLICY:** Customer must provide the exact model and serial numbers for all parts orders. No returns, refunds or exchanges on non-stocked parts. Customer must leave a credit card on file, authorizes Norfolk Power Equipment Inc. and/or Norfolk Rental Company, Inc. to charge customer's credit card for all charges herein. Customer will be charged a twenty-five percent (25%) restocking fee on all returned parts. All ordered parts must be prepaid in full at the time of order. No returns, refunds or exchanges after ten (10) business days, and all returned parts must be in new and unused condition, with all original packaging included, along with the original receipt. No returns, refunds or exchanges on electrical items. Freight costs are nonrefundable.



www.norfolkpower.com  
info@norfolkpower.com

Ship To: IN STORE PICKUP

5 Cushing Drive  
Wrentham, MA 02093  
Tel: (508) 384-0011  
Fax: (508) 384-8667

846 Bronco Highway  
Burrillville, RI 02830  
Tel: (401) 710-9911  
Fax: (401) 710-9466

45 North Main Street  
Carver, MA 02330  
Tel: (774) 213-9190  
Fax: (508) 465-0931

\*\*\*Please remit payment to Wrentham address\*\*\*

Invoice To: PLYMOUTH PUBLIC SCHOOLS  
ACCOUNTING PAYABLE DEPARTMENT  
11 LINCOLN ST.  
PLYMOUTH MA 02360

Branch 03 - CARVER		
Date 09/16/2025	Time 18:01:41 (O)	Page 1
Account No PLYMO013	Phone No 5088304005	Est No 00 Q05922
Ship Via		Purchase Order
Tax ID No		
JASON DONOVAN		Salesperson JWD / JWD

### EQUIPMENT ESTIMATE - NOT AN INVOICE

Description	** Q U O T E **	EXPIRY DATE: 12/15/2025	Amount
KUBOTA RTVX2C-PKLH-1 4WD UTILITY VEHICLE FACTORY CAB WITH HEAT AND A/C HYDRAULIC DUMP BED HW WORKSITE TIRES			29712.00
	Sale # 01 Subtotal:		29712.00
	Total:		29712.00
BOSSMSC12480 6'6" HYDRAULIC V-PLOW			5500.00
	Sale # 02 Subtotal:		5500.00
	Total:		5500.00
ADDITIONAL PARTS =====			
FRONTLED LIGHTS	77700-11811 Qty: 1 Price:	175.00	175.00
REAR LED LIGHTS	77700-11812 1	90.00	90.00
KIT STROBE LIGH	77700-VC5058 1	170.00	170.00
Miscellaneous Charges/Credits =====			
STATE CONTRACT	Qty: 1 Price:	2972.00	2972.00-
STATE CONTRACT	1	550.00	550.00-
	Parts Total:		435.00
	Miscellaneous Charges/Credits Total:		3522.00-
	Subtotal:		32125.00
	Quote Total:		32125.00

Authorization: \_\_\_\_\_

**Thank You For Your Business!**

\*\*\*All new equipment quotes valid for 45 days unless stated otherwise.\*\*\*

**WHOLEGOODS RETURN POLICY:** All new equipment comes with a written manufacturer's warranty. Any defects in material workmanship are subject to repair according to the manufacturer's warranty. Unless directed by the manufacturer, equipment will not be replaced. Equipment returned within seven (7) business days in new unused condition may be exchanged or refunded for the full amount. Equipment returned within seven business days and has been used must be in resalable condition is subject to a thirty percent (30%) restocking fee. No returns or exchanges after seven (7) business days. All special orders are subject to a twenty percent (20%) cancellation fee once the order is placed.

**PARTS POLICY:** Customer must provide the exact model and serial numbers for all parts orders. No returns, refunds or exchanges on non-stocked parts. Customer must leave a credit card on file, authorizes Norfolk Power Equipment Inc. and/or Norfolk Rental Company, Inc. to charge customer's credit card for all charges herein. Customer will be charged a twenty-five percent (25%) restocking fee on all returned parts. All ordered parts must be prepaid in full at the time of order. No returns, refunds or exchanges after ten (10) business days, and all returned parts must be in new and unused condition, with all original packaging included, along with the original receipt. No returns, refunds or exchanges on electrical items. Freight costs are nonrefundable.







**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

<b>Department:</b> PPS	<b>Priority #:</b>	18
<b>Project Title and Description:</b> Indian Brook playground fence and paving	<b>Total Project Cost:</b>	\$29,135

**Department/Division Head:** Matt Durkee

**Check if project is:** New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☒ Externally ☐

**For project re-submittals, list prior year(s):**

**List any funding sources and amounts already granted:** \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$26,486		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$2,649	10%			
<b>Total Capital</b>	<b>\$29,135</b>				

**Project Justification and Objective:** The playground needs to be completely fenced in for safety. The sidewalk up to the playground area needs to be replaced for safety.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan  
Can this project be phased over more than one fiscal year?

Yes ☐ No ☒  
Yes ☐ No ☒

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

**What is the expected lifespan of this new/replacement equipment:** 15 + years

**Attach backup information, estimates, or justification to support this request.**

# PRESTIGE PAVING

DRIVEWAYS-SIDEWALKS-PARKING LOTS

[www.pavingbyprestige.com](http://www.pavingbyprestige.com)

**NAME:** Indian Brook Elementary School- Walkway

**ADDRESS:** 1181 State Road

**CITY:** Plymouth, MA 02360

**PHONE:** (508) 830-4390    **E-Mail:** [mdurkee@Plymouth.K12.MA.US](mailto:mdurkee@Plymouth.K12.MA.US)

- ☐ Prep area near Playground and Basketball Court
- ☐ Remove existing asphalt and level hill
- ☐ Apply Re-Processed Gravel and Grade (Roll to Compact)
- ☐ Install asphalt for new walkway
- ☐ Asphalt surface rolled to compact

**Total: \$9700**

Prestige Paving cannot be responsible for chemical spills, vegetation growth, marks due to sharp objects, tire marks, settlement and sprinkler systems splashing sealcoat onto buildings, cars or any other areas, or washing away newly applied sealcoat. Not responsible for pedestrians walking and driving through blocked-off and completed work. If any other work is done over and above the paving work performed by Prestige Paving (Including Sealcoating) the guarantee will be null and void.

Customer Signature:

Authorized Signature: KWB

# EAST COAST FENCE, INC.

[www.EastCoastFence.com](http://www.EastCoastFence.com)

*Where Quality and Value Meet*

30 Prospect Street, Kingston, MA 02364

(781) 585-9500 (781) 585-5875 (800) 696-5875

Plymouth Public Schools	Matt 781-217-8460	09/17/2025
11 Lincoln St.	JOB NAME: INDIAN BROOK ELEMENTARY SCHOOL	mdurkee@plymouth.k12.ma.us
Plymouth, M.A. 02360	JOB LOCATION: 1181 STATE RD.	FAX NUMBER:

We hereby submit specifications and estimates for

Provide and install 307' of 4' high all black chain-link fence with 2-4' wide walk and 2-8' wide double drive gates using 2 1/2" DQ-40 terminal posts, 2" DQ-40 line posts, 1 5/8" DQ-40 top and bottom rail and 2" x 9 gauge black chain-link fence fabric. All posts to be set in concrete.

Total \$16,786.43 materials and labor

\*PRICE BASED ON PREVAILING WAGE RATES\*

WORK WILL NOT BE SCHEDULED UNTIL DEPOSIT IS RECEIVED. It is agreed and understood by both parties that final payment is due and payable upon completion of work or receipt of material. The customer agrees to pay EAST COAST FENCE, INC. a late or delinquency CHARGE of 18% PER ANNUM PRORATA on all late payments and further agrees to pay in addition, all above sums in default, if placed with an attorney for collection, all costs, expenses and reasonable attorney fees. East Coast Fence, Inc. is NOT RESPONSIBLE for damages to underground utilities, sprinkler systems, electronic dog fence, and or swimming pool lines, etc. that have not been marked by the customer.

WE PROPOSE HEREBY - TO FURNISH MATERIAL AND/OR LABOR - COMPLETE IN ACCORDANCE WITH THE ABOVE SPECIFICATIONS, FOR THE SUM OF: AS ABOVE

PAYMENT TO BE MADE AS FOLLOWS:

**50% DEPOSIT UPON ACCEPTANCE OF PROPOSAL- BALANCE UPON COMPLETION**

IT IS UNDERSTOOD: That the customer is responsible for establishing property lines, any permits required and for determining suitability.

ALL MATERIAL IS GUARANTEED TO BE AS SPECIFIED. ALL WORK TO BE COMPLETED IN A WORKMANLIKE MANNER ACCORDING TO STANDARD PRACTICES. ANY ALTERATION OR DEVIATION FROM ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE EXECUTED ONLY UPON WRITTEN ORDERS AND WILL BECOME AN EXTRA CHARGE OVER AND ABOVE THE ESTIMATE. ALL AGREEMENTS CONTINGENT UPON STRIKES, ACCIDENTS OR DELAYS BEYOND OUR CONTROL. OWNER TO CARRY FIRE, TORNADO AND OTHER NECESSARY INSURANCE. OUR WORKERS ARE FULLY COVERED BY WORKMEN'S COMPENSATION INSURANCE.

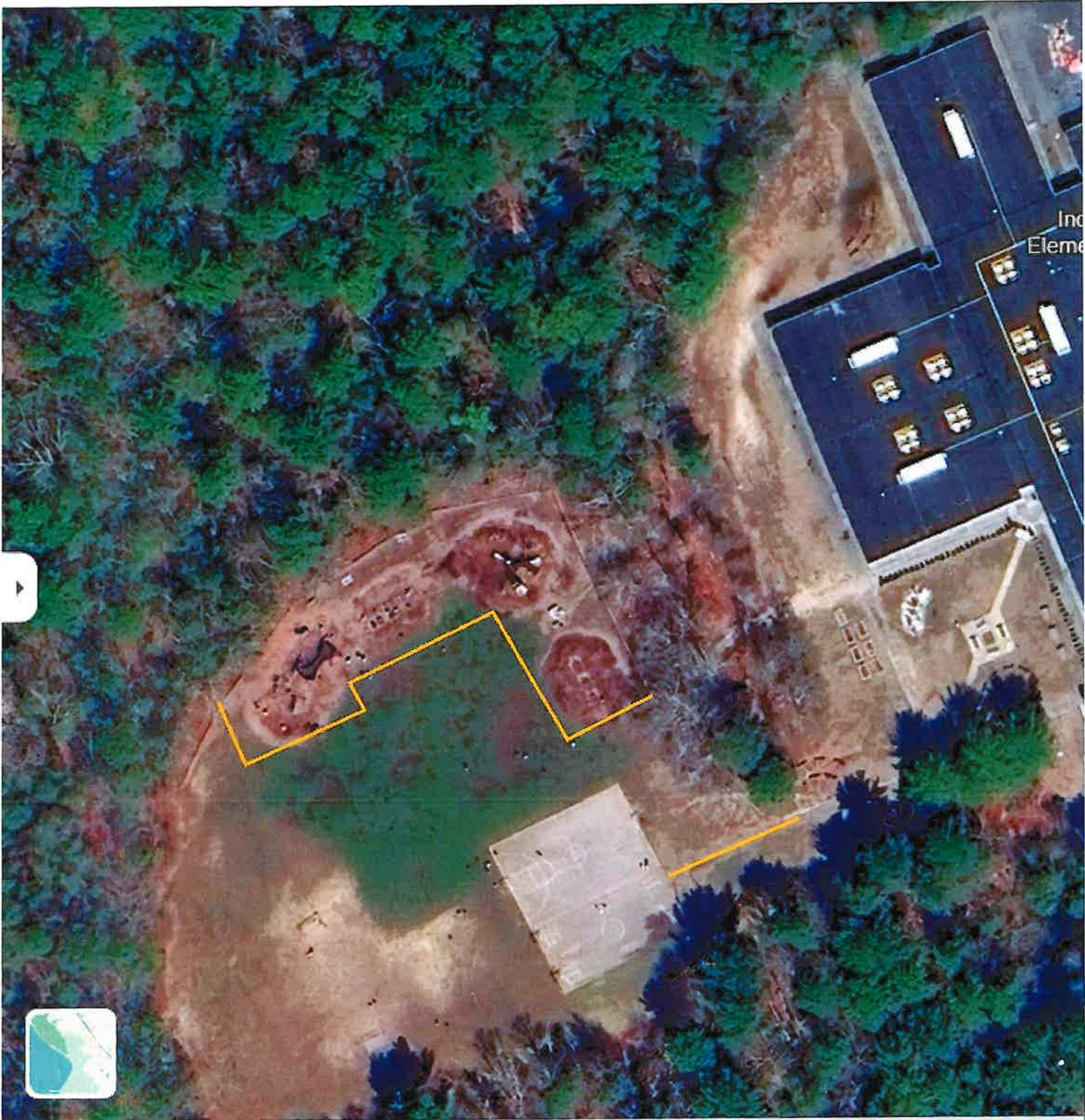
**AUTHORIZED SIGNATURE: PETER A. RANDALL, VICE PRESIDENT**

**NOTE: This proposal may be withdrawn by us if not accepted within 15 days.**

**ACCEPTANCE OF PROPOSAL** - THE ABOVE PRICES, SPECIFICATIONS AND CONDITIONS ARE SATISFACTORY AND ARE HEREBY ACCEPTED. YOU ARE AUTHORIZED TO DO THE WORK AS SPECIFIED. PAYMENT WILL BE MADE AS OUTINED ABOVE.

DATE OF ACCEPTANCE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_





**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST  
FY27 SPRING ANNUAL TOWN MEETING**

Department: <b>PPS</b>	Priority #: <b>19</b>
Project Title and Description: <b>South Elementary Full ADA upgrade</b>	Total Project Cost: <b>\$1,658,343</b>

Department/Division Head: Matt Durkee

Check if project is:    New ☒    Resubmitted ☐                      Cost estimate was developed: Internally ☐    Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: \_\_\_\_\_

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY28		
<i>Labor and Materials</i>	\$1,370,531		FY29		
<i>Administration</i>			FY30		
<i>Land Acquisition</i>			FY31		
<i>Equipment</i>			FY32		
<i>Other</i>					
<i>Contingency</i>	\$287,812	21% escalation			
<b>Total Capital</b>	<b>\$1,658,343</b>				

**Project Justification and Objective:** The South Elementary School is out of ADA compliance. We have identified this funding amount from a 2022 Gale & Assoc.

"Compliance Review" noting major interior renovations to building entrances, restrooms, drinking fountains, doors, floor surfaces, stairs, and signage at parking.

**For Capital Project Requests:**

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan      Yes ☐      No ☒  
 Can this project be phased over more than one fiscal year?                                      Yes ☒      No ☐

**For Capital Equipment Requests:**

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: 25 + years

Attach backup information, estimates, or justification to support this request.





**521 CMR: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD  
COMPLIANCE REVIEW  
PLYMOUTH SOUTH ELEMENTARY SCHOOL  
178 BOURNE ROAD  
PLYMOUTH, MA**

**October 20, 2022**

**Prepared For:**

**Plymouth Public Schools  
11 Lincoln Street  
Plymouth, MA 02360**

**Prepared By:**

**Gale Associates, Inc.  
163 Libbey Parkway  
Weymouth, MA 02189  
GALE JN 840350**





## 1.0 Introduction

Gale Associates, Inc. (Gale) performed an evaluation of the 521 CMR Massachusetts Architectural Access Board (MAAB) accessibility as it pertains to the general public program elements and components of the Plymouth South Elementary School (PPES), located in Plymouth, MA. The evaluation was completed on September 7, 2022 and reviewed/identified accessibility non-compliance for multiple elements throughout the school. In accordance with our contract, Gale limited our accessibility conformance review to areas open to the general public and included the following components:

- Parking and accessible routes to entrances from parking
- Public entrances
- Toilet rooms
- Drinking fountains
- Doors
- Floor surfaces
- Stairs
- Signage at parking, entrance, and toilets

Please be advised that the MAAB evaluations described above include only visual observations of readily available elements. The evaluation does not include additional items and areas such as alarms, thermostats, kitchen and meal preparation areas, and door force requirements. In addition, multiple conditions, and potential options for addressing non-conforming accessibility items could be considered and will need to be reviewed and discussed with PPS Public Schools (PPS) prior to developing a MAAB scope of required renovations. This proposal does not include hazardous material testing, design, bid or construction phase services related to MAAB upgrades.

Gale's findings and proposed solutions regarding the above-listed building components for MAAB compliance are described below.

## 2.0 Parking and Accessible Routes at Entrances/Exits

PPS features two locations of designated accessible parking spaces and one accessible public entrance. In addition to the entrance, the building features multiple accessible emergency exit doors and egress routes around the building perimeter with associated walkways leading to the front of the building for egress. The six (6) marked accessible parking spaces are provided by five (5) spaces in the vicinity of the accessible entrance and one (1) space located in the outer lot. The number of accessible parking spaces is compliant with MAAB requirements per 521 CMR 23.2.1.

Based on our review of these site elements, it is our understanding that they are not providing accessible routes in accordance with the MAAB's minimum requirements. Refer to the attached site plan for specific locations of where non-compliance items are occurring. The following non-compliant items from the 521 CMR MAAB were observed:

1. (521 CMR 22.3, 22.3.1, 22.3.2): *Walkways* with a running slope greater than one-in-20 (1:20) (5%) are ramps and shall comply with 521 CMR 24.00: RAMPS. Nowhere shall the *cross slope* of *walkways* exceed one-in-50 (1:50) (2%). Gale observed walkways leading from the accessible entrances and exit to have slopes greater than the 1:20 and 1:50 requirements in multiple



Parking and Accessible Routes.....	\$212,706
Ramps .....	\$240,287
Public Entrances.....	\$50,193
Doors and Doorways.....	\$111,134
Toilets .....	\$659,807
Drinking Fountains.....	\$1,099
Signage.....	\$5,645
<b>Total Cost .....</b>	<b>\$1,280,871</b>
7% Escalation at 1 Year .....	\$89,661
<b>Grand Total .....</b>	<b>\$1,370,531</b>

Please note that the estimated costs noted do not include any special permitting fees which may or may not be required for this project, additional engineering fees, the PPS's monitoring of the project, interior renovations beyond those that are described within this report, a construction trailer/office space, or soft costs associated with working with the PPS. Again, these recommended budgets are preliminary, and should not be used for sensitive budgeting, as the final scope of work, and detailing has not been confirmed at this time.

The above construction budget costs do not include Gale's additional architectural and engineering design fee for the additional evaluation scopes of work described above as the actual scope of work, design, and construction details have not been fully defined. This estimate also does not include permits, PPS's monitoring of the upgrades, or soft costs associated with working with PPS.

In addition, construction cost estimates and fees for Gale's design services for the MAAB Upgrades, as described in Appendix E: 521 CMR: MAAB Compliance Review will be developed once PPS has confirmed the MAAB scope of work, and as the construction documents are generated.

We trust that this information meets PPS's needs at this time. If PPS has any questions or concerns, please do not hesitate to ask.

Sincerely,

GALE ASSOCIATES, INC.

Samuel Wesselman  
Senior Staff Designer  
SWW/JW/lad

Jason Wagner, AIA  
Jason Wagner, AIA  
Project Manager