

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST FORM  
FY26 ANNUAL FALL TOWN MEETING REQUEST FORM**

<b>Department:</b> WATER DIVISION		1
<b>Project Title and Description:</b> Hydro Excavator	<b>Total Project Cost:</b>	\$713,603.00

**Department/Division Head:** Peter Gordon

**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>FY23</i>		
<i>Labor and Materials</i>			<i>FY24</i>		
<i>Administration</i>			<i>FY25</i>		
<i>Land Acquisition</i>			<i>FY26</i>		
<i>Equipment</i>	\$648,730.00		<i>FY27</i>		
<i>Other</i>					
<i>Contingency</i>	\$64,873.00				
<b>Total Capital</b>	<b>\$713,603.00</b>				

**Possible sources and amounts of funding, if known:** \_\_\_\_\_

**Project Justification and Objective:** We are requesting funding for a Hydro Excavator, a vital tool that will improve safety, efficiency, and cost-effectiveness in our daily operations, especially in the repair of water mains, service lines, and the critical task of lead line identification.

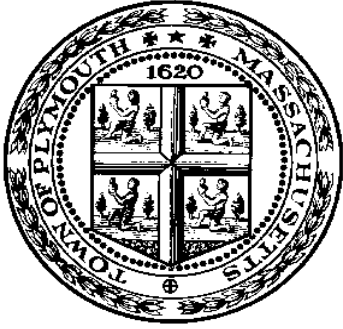
**For Capital Project Requests:**

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.**



# TOWN OF PLYMOUTH

**Department of Public Works  
Water Division  
169 Camelot Drive  
Plymouth, Massachusetts 02360**

## **Priority 1: The Need for a Hydro Excavator for the Water Department**

We are requesting funding for a Hydro Excavator, a vital tool that will improve safety, efficiency, and cost-effectiveness in our daily operations, especially in the repair of water mains, service lines, and the critical task of lead line identification.

- Enhanced Safety

The Hydro Excavator uses high-pressure water and a vacuum system to safely excavate around underground utilities, minimizing the risk of damaging vital infrastructure like gas, water, sewer and electrical lines. Unlike traditional excavation methods, which involve heavy machinery and manual labor, Hydro Excavation offers a safer alternative by allowing for precise, controlled digging. This reduces the risk of utility strikes, worker injuries, and disruptions to surrounding areas, ensuring a safer environment for both workers and the public.

- Increased Efficiency and Time Savings

Hydro Excavation is significantly faster than traditional digging methods. It allows us to access and expose water mains, service lines, and other utilities with minimal disruption, which is especially important when responding to emergencies like water main breaks or performing routine maintenance. The ability to quickly expose pipes and begin repairs saves valuable time and allows for more work to be completed each day. For the Water Department, this means faster response times and less downtime, improving overall service delivery.

- Cost Savings

Faster excavation translates to reduced labor and machinery costs. Traditional excavation methods require more time, additional resources, and often lead to more damage to surrounding infrastructure, which in turn results in higher repair costs. Hydro Excavation minimizes these risks by enabling targeted, non-invasive digging. This leads to fewer repairs to disrupted surfaces, such as roads and sidewalks, ultimately saving the department money and reducing project timelines.

- Precision for Water Main, Service Line Repairs, and Lead Line Identification

Hydro Excavation is also an essential tool for our lead line identification efforts. It allows us to "pothole" with precision, safely exposing water service lines to determine whether they are made of lead. This is especially important as we work to replace aging infrastructure and eliminate lead

pipes. The precision and control of Hydro Excavation make it the ideal tool for this task, allowing us to quickly and accurately identify lead lines without unnecessary digging or disruption.

- Conclusion

The Hydro Excavator will greatly benefit the Water Department by improving safety, increasing efficiency, and reducing costs when repairing water mains, service lines, and identifying lead pipes. Its precision and speed are invaluable in both routine maintenance and critical projects like lead line identification. We strongly recommend funding for this equipment to enhance our operations and ensure faster, safer, and more cost-effective service for the community.













## **Presents a Proposal Summary**

of the



**HXX**

Single Engine Hydro Excavation Machine with Positive Displacement Vacuum System Mounted on a Heavy-Duty Truck Chassis

For the  
Town of Plymouth

June 17, 2025

## **PRODUCT DESCRIPTION**

- Hydro-Excavator - Roots 824-18" Hg. Blower, 12 Yard Debris

## **STANDARD FEATURES**

- DigRight Technology
- Cylindrical Designed Debris Body, 1/4" Ex-Ten Steel
- Flat Style, 3/4 Rear Door w/ Replaceable Neoprene Seal
- Hydraulic Rear Door Locking System
- Hydraulic Rear Door Open/Close System
- 8" Inspection Port w/ Ladder Access
- Rear Door Support for Operator Safety
- Double Acting Dump Hoist Cylinder
- Dual Air Ports w/ Dual 10" Stainless Steel Float Balls
- 1200 Gallon Insulated Polypropylene Water Tank
- Water Tank Separate from Debris Tank
- Water Tank Fill w/ 25' Water Hose and Connectors
- Water Level Sight Gauge, Mark-V Electronic Low Water Warning System
- 5 Year Warranty Against Leaks
- Hydraulic Operated Tri-Plex Piston Water Pump
- Water Pump On/Off Located on Wireless Control and Control Box
- Variable Pressure and Flow Achieved by Electronic-Over-Hydraulic Controls @ Operators Station
- ISO 46 Hydraulic Oil
- Handgun Hose 3/8" x 75' w/ Operating Pressure of 3500 PSI
- Ultra Quiet Inlet and Outlet Silencers Acoustically Matched to Blower
- Direct Drive Omsi Transfer Case w/ Air Shift
- Single Cyclonic Separator w/ 14" Clean Out Door
- Microstrainer Final Filter w/ 3" Camloc Drain
- 8" Vacuum Relief Located in the Inlet of Debris Tank.
- Wireless Remote Control for boom w/Water Pump Control, Throttle, Vacuum Relief and E-Stop. - Hand-held
- Control Panel Located Inside an Aluminum Box for Protection
- 8" I.D Wire Reinforced Rubber Suction hose
- Electric-Over-Hydraulic Boom
- Hydraulically Powered Up/Down/Left/Right/Extend/Retract Boom
- Boom Control Located at Control Panel and Hand Held Wireless Control
- All Boom Inlet Hose and Tubing will be 8" Inside Diameter
- 8" Vacuum Pipe Package with 8" Dig Tube
- Water System Digging Wand Package
- Alum. Hyd. Oil Tank w/ Sight Gauge
- Entire Electrical System Moisture and Vapor Sealed
- Tow Hooks Front and Rear
- Mud Flaps
- Electronic Back-Up Alarm
- Fenders
- Manual hand pump for boom hydraulic override
- Grounding cable to tie debris body, sub frame, and chassis
- Wireless Wrist Strap Emergency Stop w/ Dig Lance Tether
- Toolbox, Driver Side Chassis Frame, 48w x 20h x 30d.
- Factory Training and Start-Up
- Camera System, Rear Only
- 6" Rear Door Knife Valve w/ Camloc, 6:00 position
- Hydraulic Tank Shutoff Valves
- Rear Door Splash Shield
- Remote Corded Pendant

Quote Number:

53041



- (2) single jet digging nozzles w/carbide inserts and (1) 3 jet digging nozzles with stainless steel inserts and flow straightener to be supplied
- LED Lights, Clearance, Stop, Tail, Turn, Backup
- (1) 50" x 30" x 30" Aluminum Toolbox Located Behind Cab for Water Pump and/or Hose Reel.
- Toolbox, Passenger Side Subframe in lieu of Tool Tray, 104w x 24h x 22d

### **ADDITIONAL FEATURES**

- Water System Rating is 20 GPM @ 3000 PSI
- Wireless Remote Control for Body Functions - Hand-held
- 7' Telescopic Boom, 320 Deg. Rotation with Removable Turret Box
- 8" Dig Tube Handle Assembly
- Cyclone Drain Valve
- Folding Pipe Rack, Curbside
- Folding Pipe Rack, Streetside
- Lube Manifold
- Plastic Lube Chart
- Debris Body Vibrator, Electric
- Air Purge
- Water Heater, 400,000 BTU's
- Cold Weather Package
- Glycol Heated and Foil-Backed Closed Cell Insulated Over Fender Toolbox
- Glycol Heated and Foil-Backed Closed Cell Insulated Right-Hand Rear Toolbox
- Cold Weather Recirculator
- 300 CFM Air Compressor
- 250 PSI and 110 PSI Dual Setting for Digging and Pneumatic Tools
- 1" x 50' Air Hose on Manual Extend/Spring Retract Reel
- Airspade 4000 Digging Lance w/ Application Specific Digging Nozzle
- Rear Mounted, LED Beacon Light
- Front Mounted, LED Beacon Light
- Worklights (2), Boom
- Work Zone Lighting, (8) LED Lights
- Toolbox, Driver Side Chassis Frame, 58w x 48h x 30d, in lieu of STD. Frame Mount Pipe Storage
- Toolbox, Passenger Side Behind Tandem, 18w x 48h x 24d
- Toolbox, Driver Side Behind Tandem, 18w x 48h x 24d
- Toolbox, Driver Side Subframe in lieu of Tool Tray, 104w x 24h x 22d
- Module Paint, Dupont Imron Elite - Sanded Primer Base
- Second Operator Station
- Trash Pump – Rear Door
- (1) 8" x 3' Aluminum Vacuum Tube
- (1) 8" x 5' Aluminum Vacuum Tube
- (1) 8" x 7'-6" Aluminum Vacuum Tube
- (5) 8" Quick Clamp Assembly
- (2) 6" Quick Clamp Assembly
- (1) 8" Adjustable Air Adapter
- (1) 8" to 6" Flanged Reducer
- (1) 8" x 6" Flanged Transition
- TruVac Manual, Partial Manual and USB Version - 1

Chassis: 2024 Western Star 47X SBA, Tandem Axle, 370 HP, Auto, 66,000 GVWR

Module Paint Match Cab - No  
Module Paint Color - Grey  
Module Paint Color Code - 840976EX  
Cab Color - White  
Cab Color Code - L0006EY WHITE ELITE EY  
Door Stripe Color - None  
Chassis Year - 2024

Chassis Make - WESTERN STAR

Chassis Model - 47X 6X4 SBA  
Chassis Axle - Tandem

<b>Budget Price:</b>	<b>\$648,730.00</b>
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Thank you for considering C.N. Wood Enviro, LLC for your equipment needs.

## LIMITED WARRANTY

**Limited Warranty.** Each TRUVAC machine manufactured by VACTOR MANUFACTURING (or, "the Company") is warranted against defects in material and workmanship for a period of 12 months, provided the machine is used in a normal and reasonable manner and in accordance with all operating, maintenance and safety instructions. In addition, certain machines and components of certain machines have extended warranties as set forth below. If sold to an end user, the applicable warranty period commences from the date of delivery to the end user. If used for rental purposes, the applicable warranty period commences from the date the machine is first made available for rental by the Company or its representative. This limited warranty may be enforced by any subsequent transferee during the warranty period. This limited warranty is the sole and exclusive warranty given by the Company.

### STANDARD EXTENDED WARRANTIES (Total Warranty Duration)

HXX and HXX2, Prodigy and Paradigm	10 years against stainless steel water tank leakage due to corrosion. 3 years against aluminum water tank leakage due to corrosion. Nonmetallic water tanks are covered for 5 years against any factory defect in material or workmanship.
HXX and HXX2, Prodigy and Paradigm	5 years against leakage of debris body, centrifugal compressor or fan housing due to rust-through

**Exclusive Remedy.** Should any warranted product fail during the warranty period, the Company will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or factory workmanship. Repairs or replacements are to be made at the selling Company's authorized dealer's or distributor's location or at other locations approved by the Company. In lieu of repair or replacement, the Company may elect, at its sole discretion, to refund the purchase price of any product deemed defective. The foregoing remedies shall be the sole and exclusive remedies of any party making a valid warranty claim.

This Limited Warranty shall not apply to (and the Company shall not be responsible for):

1. Major components or trade accessories that have a separate warranty from their original manufacturer, such as, but not limited to, trucks and truck chassis, engines, hydraulic pumps and motors, tires and batteries.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as, but not limited to, oils, fluids, vacuum hose, light bulbs, fuses and gaskets.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended or not in accordance with operating, maintenance or safety instructions provided by the Company.
5. Repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

**\*NOTE\*** The use in the product of any part other than parts approved by the Company may invalidate this warranty. The Company reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make the Company liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

THIS WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND TO THE EXTENT PERMITTED, CONFERRED BY STATUTE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY AGAINST FAILURE OF ITS ESSENTIAL PURPOSE, ALL OF WHICH ARE DISCLAIMED.

This warranty is in lieu of all other obligations or liabilities, contractual and otherwise, on the part of the Company. For the avoidance of doubt, the Company shall not be liable for any indirect, special, incidental or consequential damages, including, but not limited to, loss of use or lost profits. The Company makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any machine manufactured by the Company. Any legal action based hereon must be commenced within eighteen (18) months of the event or facts giving rise to such action.

The Company reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.



VACTOR MANUFACTURING  
1621 S. Illinois Street  
Streator, IL 61364