TOWN OF CABOT

Office (802) 563-2279
Fax (802) 563-2423

Invitation to Submit a Written Proposal For the repair and upgrade of Dry Hydrant #11

September 4, 2026

Thank you for your interest in providing the Town of Cabot with a written proposal for the repair and upgrade of Dry Hydrant #11 at 6500 VT Route 215.

Basics:

1. All proposals shall be submitted in written form and received on or before 1200 hours on **September 17, 2026.** For record keeping purposes, it is preferred that the proposals, and all accompanying documents be transmitted electronically via email with PDFs attached, or in person and sent to TC@cabotvt.us. Proposals which are not emailed shall be delivered by hand before the deadline above. Any proposals received after the deadline shall be considered untimely and will not be considered.

2. All proposals shall be accompanied by a Certificate of Insurance naming the Town of Cabot, The Cabot Volunteer Fire Department, and the following property owners; John T. Greaves, Gail L. Greaves, Seth A. Greaves and Brett C. Greaves as 'additional insured' for general liability and include proof of Worker's Compensation Insurance coverage.

3. Each interested contractor will receive an electronic packet, via PDF, when requested, to review the site and address any questions. The packet will contain all the materials produced by Troy Dare, from the Rural Fire Protection Program. If a site visit is needed please reach out directly Chief Deasy (Chief@cabotfirevt.us). I m p o r t a n t - Contractors who elect to waive their site visit shall email: tc@cabotvt.us to advise of waiving their site visit.

4. In addition to your proposal to install the hydrant in accordance with the attached technical packet described in Paragraph #3 above, please also include in your proposal the following as separately identified line items within your total proposal:

a. The installation of a pond overflow. The Height of the overflow will be at current water level with a detachable debris catcher installed. Note: there currently is an overflow which upon information and belief is metal and appears to have collapsed under the access drive and is no longer functioning.

b. Stabilization of the pond berm, between the new dry hydrant and the public rite-of-way of Vermont Route 215, in a generally southerly direction, to include the repositioning of any boulders which are currently placed in this area, along the driveway to the hydrant. Disturbed areas are to be mulched and seeded to prevent erosion.

c. Stabilization of the pond berm beginning at the dry hydrant and continuing in a generally northwesterly direction, following the contour of the existing pond, approximately 93 feet, +/-, M/L from the dry hydrant, including the repositioning of the boulders which are currently placed at that location. Disturbed areas are to be mulched and seeded to prevent erosion.

5. The Town of Cabot Select Board reserves the right to decline any proposal at its sole discretion.

6. The parties submitting proposals specifically acknowledge that once an acceptable proposal is identified, its acceptance and performance will be subject to (1) the specific approval of the Cabot Select Board which is necessary before it is subsequently submitted to the (2) Rural Fire Protection Board for consideration.

Thank you for your willingness to submit a proposal for this public interest project. Sincerely,

Dean D. Deasy, Cabot Fire Chief

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For the repair and upgrade of Dry Hydrant #11

Addendum #1

September 4, 2026

Addendum #1 serves to modify only the following items in the original Invitation to Submit a Written Proposal for Dry Hydrant #11. All other specifications remain.

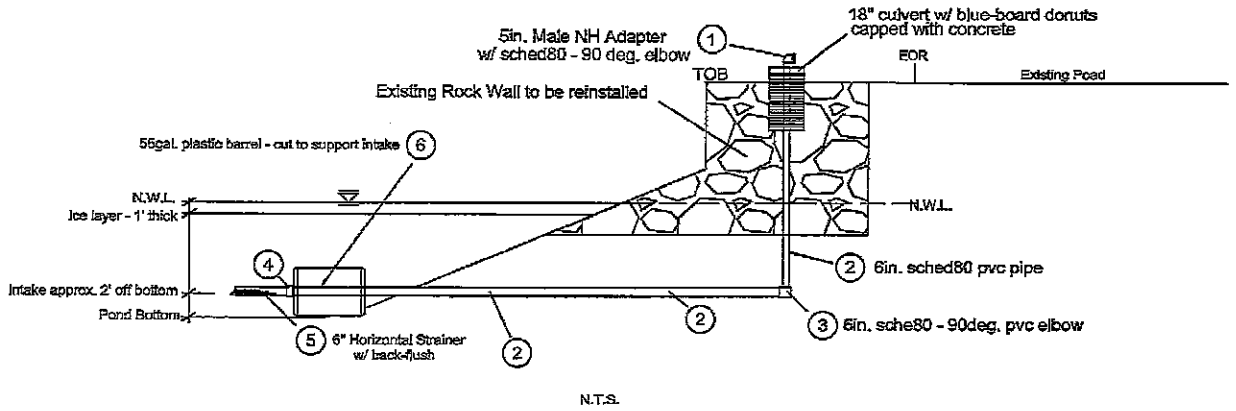
- Added: Removal of one 40 ft softwood tree. Wood, stump, and branches must be disposed of off-site.
- added: Driveway will be resurfaced with road-grade stone for a total distance of 85 ft. starting at the edge of road toward dry hydrant.
- Added: one large stone, 35" min high by 4 ft min length x 20" min width, will be placed in front of the dry hydrant for vehicle protection. The exact location will be shown at the time of installation. Stone will not interfere with access to dry hydrant connection.
- Delete: Two guard posts will be deleted,
- 12: Added: Dry Hydrant will be painted red.
- 4c Add: All areas within the 93 feet and within 8ft of the pond berm shall be level with a "slight" pitch towards the pond.
- Also a note to be aware: There is a power line buried 8ft from the back of the pond and has been marked by dig safe. Dig safe indicated the line is buried at least 4' deep.
- Please do not submit bids via US Mail as we have had issues with letters, etc. getting to residents and back to the town in a timely manner.

Thank you for your willingness to submit a proposal for this public interest project.

Sincerely,

Dean D, Deasy

Dean D. Deasy, Cabot Fire Chief
September 4, 2026



N.T.S.

Bill of Materials					
#	Description	No.	Unit	Unit Cost	Total
1	6" Female NH Adapter w/ 90deg elbow	1	EA	$500	$500
2	6" dia. sched80 pvc pipe	20	LF	$20	$400
3	6" dia. sched80 pvc 90deg. elbow	1	EA	$120	$120
4	6" dia. sched80 pvc coupling	1	EA	$80	$80
5	6" Horizontal Strainer w/ backflush	1	EA	$200	$200
6	55gal. barrel for intake support	1	EA	$40	$40
	No Parking Fire Lane Sign & Post	1	EA	$40	$40
	Bollards, Guard Posts - Riser Protection	2	EA	$50	$100
	Materials - fill, 18" culvert, insulation etc.				$1,500
	Labor				$1,000
	Excavation/Dry Hydrant installation	8	HR	$300	$2,400
	Contingency				$1,000
				Total	$7,380

Notes:

Provided by RFP-TF

Provided by RFP-TF

Provided by RFP-TF

Cabot 2026-13 Replacement
John & Gail Greaves - 6503 VT Route 215N

Vermont Rural Fire Protection Task Force
170 Lower Sumner Hill Road
Sumner, ME 04292

Drawn by: Troy Dare

Reviewed by:

Date: 6/18/26

Dry Hydrant Flow Worksheet - Revised 6-20-22

FD: Cabot		**Suction Hose:**	**6 in**
Site: 2026-13 Replacement	**Date: 6/18/26**	**Flow:**	**1300 gpm**

6 in= PIPE 1 size (SMALLEST)
120 =C value (100-150)
6 in= PIPE 2 size
120 =C value (100-150)
10 in= PIPE 3 size
140 =C value (100-150)
12 in= PIPE 4 size
140 =C value (100-150)
1300 gpm= design delivery rate
1825 ft= elevation
6 ft= static lift
50 dF= water temp(HIGHEST POSSIBLE)
30 ft= total length of PIPE 1
0 ft= total length of PIPE 2
0 ft= total length of PIPE 3
0 ft= total length of PIPE 4

5 ft= strainer loss (if PIPE 1 size)
0 ft= strainer loss (if PIPE 2 size)
0 ft= strainer loss (if PIPE 3 size)
0 ft= strainer loss (if PIPE 4 size)

none = reduction #1
none = reduction #2
none = reduction #3
none = reduction #4
6 = suction hose inside diameter
(4.5, 5, 6 INCH DIAMETER ONLY)

PIPE 1
0 =# of 45d elbows
2 =# of 90d standard elbows
0 =# of 90d long turn elbows
0 =# of tees or crosses
0 =# of gate valves
0 =# of butterfly valves
0 =# of swing check valves

PIPE 2
0 =# of 45d elbows
0 =# of 90d standard elbows
0 =# of 90d long turn elbows
0 =# of tees or crosses
0 =# of gate valves
0 =# of butterfly valves
0 =# of swing check valves

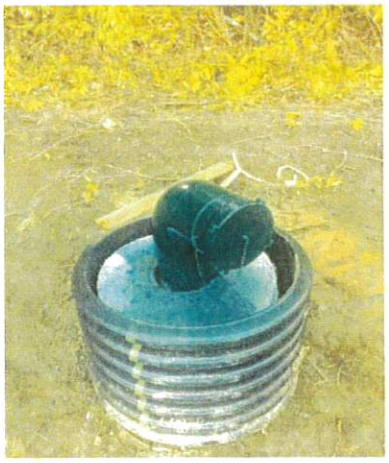
PIPE 3
0 =# of 45d elbows
0 =# of 90d standard elbows
0 =# of 90d long turn elbows
0 =# of tees or crosses
0 =# of gate valves
0 =# of butterfly valves
0 =# of swing check valves

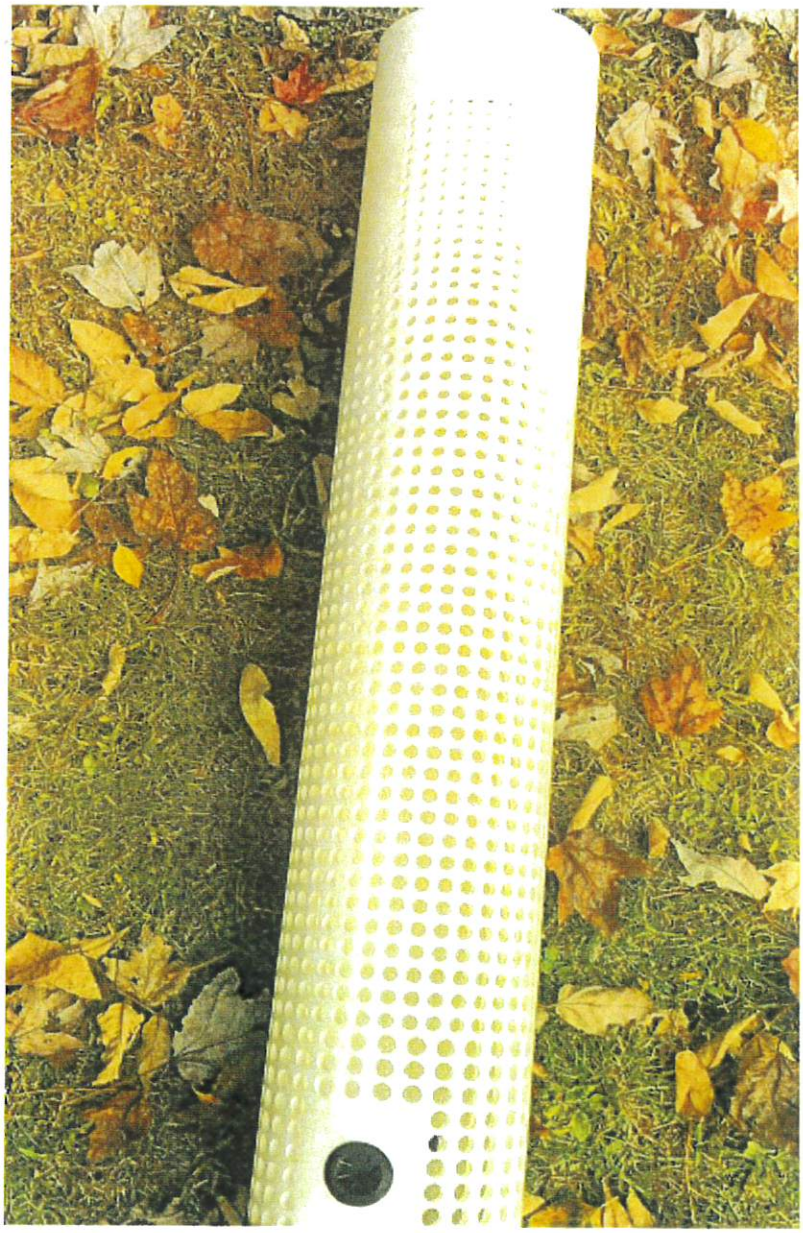
PIPE 4
0 =# of 45d elbows
0 =# of 90d standard elbows
0 =# of 90d long turn elbows
0 =# of tees or crosses
0 =# of gate valves
0 =# of butterfly valves
0 =# of swing check valves

---------- RESULTS ----------
5.3053 PSIA PUMP PRESSURE **Design is OK!**
(5 psia or greater means system will work)
(inputs must be changed to make it a positive 5 psia value)

Back Flush Cap instead of hinged Flapper

Riser Insulation





Intake Strainer

Rural Fire Protection (RFP) Water Supply Site Assessment Form

(Revised March 2023)

Date: 6/15/26 Town: Cabot County: Washington Fire Dept: Cabot VFD

Name: John & Gail Greaves Site ID: 2026-13 Replacement

Location: 6503 VT Route 215N Long: -72.272022 Lat: 44.440264

Property Owner/Address: John & Gail Greaves - 6503 VT Route 215N

Largest Fire Load - 1000ft: Res. Homes & Farms - 1.5mi: Res. Homes & Farms

Assessment Completed by: Troy Dare, Chief Deasy, Liz Wilkel & Landowners Project: 2026 RFP Program

Needed Fire Flow (NFF): 1000+ gpm Existing RWS Repair Yes Out of Service Date: 2025

Agreements:

1 Grant

2

3

4

Notes:

Water Source:

Name: Greaves Pond

Source Type: Pond

Type of Recharge: Seep

Rate of Recharge: Good

Site Accessibility: Dirt

Land-use: Private Residence

Rural Water Supply System Elevation: 1825 ft

Recommended System: Dry Hydrant

Depth of water where system intake will be located: 8 ft *Lift: 6 ft

Horizontal Distance: 20 ft Suction Hose Dia.: 6in

**Estimated Flow Rate: 1300 gpm Adapter Type: NH/NST

Adapter Sex: Female

Calculations for Fire Purposes (est.):

Ponds: Volume = Surface Area x (Intake Depth - 2ft over the strainer) x 7.5gcf x 0.67 side slopes

Surface Area: _____ ft x _____ ft = 7,000 sf

(measured using GIS software) Yes

Volume: 7,000 sf x Intake Depth 6 ft - 2ft x 7.5gcf x 0.67 ≈ 140,700 gal

***Volume in Winter Months 105,525 gal

Rivers/Streams: Flow (gpm) = Cross Sectional Area (sf) x Velocity (fps) x 60sec/min x 7.5gcf

Flow = _____ sf x _____ fps x (60sec/min) x 7.5gcf = _____ gpm

Permitting/Signoff Needed: State Permitting Information, Applications & Contact Information: dec.vermont.gov/watershed

State: 1 _____ Federal: _____ nae.usace.army.mil

2 _____

3 _____ nae.usace.army.mil/Missions/Regulatory/State-General-Permits/Vermont-General-Permit

4 _____

Integrity: Disturbed (Disturbed, Intact or Unknown)

Landform Slope: 2%

State Fish & Wildlife Access - _____

NOTE: All RFP Systems in VT State F&W Accesses must have a signed Memorandum of Understanding MOU between the Town/Fire Dept. before construction; and the RFP Technician must be present to assist and insure the system is installed as agreed upon.

Field Notes: All sched80 system.

*Lift is the vertical, linear, distance from the surface of the water to the "eye", or center point, of the fire pump.

Estimated flow rate is calculated by entering design data in to the **New Hydrant flow calculation spreadsheet.

***If the average ice thickness for the area is unknown, assume 2ft, and deduct from the volume calculations.

Developed Water Supply for Rural Fire Protection
Landowner Agreement

To: Dean D. Deasy, Cabot Fire Chief
Town of Cabot
Cabot Fire Department

Date: May 28, 2026

From: John T. Greaves, Gail L. Greaves, Seth A. Greaves, Brett C. Greaves (Property Owners)

We hereby authorize the Town of Cabot (hereinafter referred to as Town) to develop a refill site at what is currently identified as #6500 Vermont Route 215, Cabot, VT for the purpose of providing water to extinguish fires in our community and for other uses with our permission.

We further give the Town permission to erect a dry hydrant or other developed rural water supply system at this location. We understand that the Town will install the rural water supply system and provide materials.

The Town will complete all excavation work so that the surrounding areas and the surface of the ground will be smooth, and present a pleasing appearance. Vegetation will be reestablished.

The Town may use, test, and maintain the dry hydrant or other rural water supply system at any time they deem necessary for continuity of hydrant operations.

The purpose, installation, operation and maintenance of the dry hydrant or other rural water supply system has been explained to us. We fully understand, and agree with the explanations provided as we currently have a dry hydrant in place at this location, identified as #11 in the Cabot Fire Department records.

Gail L Greaves Date: May 28, 2026

John T Greaves Date: 5/28/26

Brett Greaves Date: 5/28/26

Seth A Greaves Date: 5/28/2026

I have fully advised the landowners of the purpose, installation, operation and maintenance of the dry hydrant or other rural water supply system.

Dean D. Deasy Date: 5/29/26 0842hrs

Signature: Dean D. Deasy, Cabot Fire Chief

Note: the role and/or duties of the Town and Landowners in this agreement may be shared differently between the parties as necessary, and any modification shall be made in written form, signed by all parties.

Rural Fire Protection Grant Completion Checklist

All project work will be completed by the agreed deadline, unless by special permission from **Troy Dare, Rural Fire Protection Program Manager.** **The items below must be received in order to release project award.**

Final Report which includes:

- ☐ **Expense Documentation Form.**
  (Please submit the **signed original** form with report)

- ☐ Copies of **paid invoices** and **receipts.** (Please submit copies that correspond with expenses listed on the Expense Documentation Match Form)

- ☐ **Six or more** color photos of project before, during and after the project. (Please submit **high resolution, digital pictures**; either on a CD or emailed to **dryhydrantguy@yahoo.com**)

- ☐ **Press release** given to the media. We allow online, public, media to satisfy this grant requirement depending on the content of the post, but we still accept, and prefer, printed newspaper and town report publications. Please email complete URL links to the online media to **dryhydrantguy@yahoo.com** or mail the complete publication page including name, date, & page number to the RFP Office at the bottom of this form so we can use it in our yearly report; this report is used at fire service events across the state and VT Legislative functions.

Once items listed above are received, a final site inspection will be conducted by Troy Dare, Task Force Engineering Technician to check the following:

- ☐ Standpipe **painted.** (The paint helps reduce **ultra-violet ray breakdown** and identify dry-hydrant location)

- ☐ Hydrant protected by **guard posts.** (Guard posts need to be **placed in front of dry-hydrant riser** and be able to deflect vehicles or fire apparatus; 6x6's, large stones, concrete blocks etc. preferred)

- ☐ **Maximum Suction Lift** does not exceed 15 feet. (**Maximum Suction Lift** is the vertical measured distance from the surface of the estimated low water level to the eye of the pump)

- ☐ **Year round access** provided. (The access to the RFP system is adequate for fire apparatus and will be kept clear and plowed year-round)

- ☐ **Signage** - No Parking Fire Lane posted. (This can be a standard reflective dry-hydrant sign or a custom, more esthetically pleasing, sign; As long as it says, "No Parking - Fire Lane", it's adequate)

- ☐ **Maintenance Record** established with first back flush and pump test recorded. (Please **MAX flow test** the hydrant until pump reaches "cavitation"; this will provide the value of the system in all fire situations and help monitor the integrity of the system)

Please schedule your final inspection with **Troy Dare** when the items above have been completed. If you have any questions or desire additional information, please feel free to contact:

Troy Dare - Rural Fire Protection Program Manager/Engineering Technician

170 Lower Sumner Hill Road, Sumner, ME 04292

802-828-4582 – dryhydrantguy@yahoo.com

Vermont Association of Conservation Districts

VERMONT RURAL FIRE PROTECTION PROGRAM

AMENDMENT #1

This is an amendment to agreement [Cabot 2026-13 Repair] made by and between the Vermont Association of Conservation Districts (VACD), with offices in Waitsfield, Vermont, and the Town of Cabot, PO Box 26, Cabot, VT 05647, signed in August 2026 to repair/replace an existing Alternative Water Supply (dry hydrant) at 6500 VT Route 215 (Greeves).

PERIOD OF PERFORMANCE:

This amendment extends the end date of the agreement to November 1, 2026. Construction of the project and submission of required documentation for reimbursement must be completed by this date.

All other terms and conditions of the original agreement remain unchanged and in effect.

Approved by:

Troy Dare, Manager

VACD Rural Fire Protection Program

Date: ____ September 4, 2026 _____