CARPENTER POND DAM REMOVAL
DUDLEY, MA
PARE PROJECT No. 22116.01
ADDENDUM NO. 1

Owner: Town of Dudley, MA (Town)

Engineer: Pare Corporation (Engineer)

To: All Prospective Bidders
Carpenter Pond Dam Removal

Re: **Addendum No. 1**

Date: April 17, 2026

Pages: 8 Total (2 pages plus 3 attachments)

Please find the following **ADDENDUM NO. 1** for the Carpenter Pond Dam Removal project. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work.

General Bidders shall acknowledge receipt of this **Addendum No. 1** within Subsection 5.00 on page 00310-5 of the bid form.

The date for receipt of bids has not been changed as a result of this addendum. Bids are to be received prior to **Friday, May 8, 2026 at 11:00 am** at the following location:

Town of Dudley Town Administrator's Office
Town Hall, 71 W Main St,
Dudley, MA 01571

Item #1: PreBid Meeting Questions and Answers

Q1: Is a cost breakdown needed?
A1: The contractor shall provide bid pricing as noted in Spec Section 00310 Bid Form. Cost breakdown beyond that required on the bid form is not required.

Q2: What is the allowable drawdown rate?
A2: The culverts under New Boston Road are prone to flooding and will dictate the drawdown rate of the pond. The contractor shall draw down the impoundment and discharge downstream in a manner that will not flood New Boston Road. In accordance with Spec Section 02400 Section 1.03.C.3, the contractor shall hire a professional engineer licensed in the Commonwealth of Massachusetts to design the control of water and dewatering system for the 10-year storm.

Q3: Will the town dispose of beaver debris that is stockpiled to the left of the spillway?

A3: If Add/Alt 4 is not executed, the town will be responsible for trucking the beaver debris and disposing it offsite. The contractor is responsible for loading the town trucks with the beaver debris on site.

Q4: Is an estimated flow rate for control of water available?
A4: Hydrocad model output for the 10-year storm event is attached for reference. The contractor shall be responsible for developing their own hydrologic model for determining their control of water design.

Item #2: Second PreBid Meeting

Due to the delay of the posting of the Central Register advertisement, a second PreBid Meeting will be hosted on site on Thursday, April 23, 9:00 a.m.

Item #3: PreBid Meeting No. 1 Agenda Modification

A1. DELETE:	" **(210 days)**" from the third sub-bullet under bullet "Schedule"
A2. REPLACE WITH:	" **(180 days)**"

Item #4: Contract Document Modifications

A. <u>SPECIFICATIONS</u>

1. SECTION 00100 INSTRUCTIONS TO BIDDERS

A1. DELETE:	"**Two hundred ten (210) days**" from the first sentence of Section 1.07.A.
A2. REPLACE WITH:	"**One hundred eighty (180) days**"

B. <u>DRAWINGS</u>
None

Attachments:

1) Prebid Meeting No. 1 Prebid Meeting Sign-In Sheet
2) Prebid Meeting No. 1 Agenda (Rev. 1 as per Addendum No. 1)
3) Hydrocad Output (10-yr storm)

END OF ADDENDUM NO.1

PRE-BID MEETING NO. 1 SIGN IN SHEET

CARPENTER POND DAM REMOVAL
DUDLEY, MA

April 14, 2025 at 9:00 AM

Name	Company	Phone	Fax	Email
Allen Orsi	Pare Corporation	508-543-1755		lneitlich@parecorp.com
Victor Dulig	Pare Corporation	508-543-1755		vdulig@parecorp.com
John LaValley	Northern Tree Service	413-530-9497		jlavalley@northerntree.com
Ron Ferraiuolo	SumCo Eco-Contracting	508-989-0007		rferr@sumcoeco.com
Paulo Medeiros	Flynn Enterprises, Inc.	978-509-9310		paulo@flynnworl.com
MJ Gatzke	Town of Dudley Highway Department	508-949-8020		highway@dudleyma.gov
M Kozaczka	Town of Dudley Highway Department	508-949-8020		highway@dudleyma.gov
Kevin Jean	Saladino Property Maintenance	802-490-9583		kjean@saladinoproperty.com

PRE-BID MEETING NO. 1 AGENDA REV. 1
CARPENTER POND DAM REMOVAL
Dudley, Massachusetts
Owner: Town of Dudley
Pare Project 22116.01
April 14, 2026; 9:00 am

PROVIDED FOR INFORMATIONAL PURPOSES ONLY; IN CASE OF CONFLICT, MEETING AGENDA IS SUPERCEDED BY CONTRACT DOCUMENTS

- General Project Scope of Work: Work includes (but is not limited to) the following:
  1) Prior to Contractor Mobilization, the Town may:
     - Remove entrance gate, install construction entrance only.
     - Remove debris and first 2 feet± of the stone masonry spillway to start drawdown. Town will not be responsible for maintaining the spillway clear upon completion of debris removal.
     - Town will cut trees and brush from the limits of work as shown on the drawings. Contractor will be responsible for any additional grubbing required for trees marked to be cleared as well as disposal of the roots and stumps.
  2) Access the site; establish access roadways, working platforms, staging areas and wetland crossing.
  3) Clear remaining vegetation as required to complete the work; Install erosion and sediment control devices.
  4) Install the diversion pipe and establish upstream and tailwater cofferdams.
  5) Complete phased demolition of the dam and drawdown of the impoundment.
  6) Excavate to the grades and lines required; install specified scour protection/grade control.
  7) Loam and seed the work area, staging areas, and other areas disturbed by construction activities.
  8) Restore all disturbed areas of the site and demobilize.

- Construction Sequence: Sequence presented is conceptual in nature; contractor may propose alternatives sequencing.
  - Demolish the stone masonry spillway section; implement drawdown
    - Sequentially demolish spillway to implement drawdown in accordance with the allowable drawdown rate; stockpile stone for reuse
    - Excavate upstream soils as required to implement drawdown during spillway demolition
  - Excavate proposed grades and lines to create the proposed channel
    - Remove boulders; stockpile for reuse
    - Remove concrete (if any) and unsuitable material; dispose of offsite
    - Material trucking and disposal: town may provide trucking and disposal for stone masonry, earth fill and organic materials resulting from embankment excavation and breach creation. Contractor shall segregate materials prior to loading into town truck. Contractor shall assume that the town will provide one 12.5 ton truck with a round trip travel time to the disposal facility of 30 minutes operating during normal business hours only.
  - Install bank protection river right; place stockpiled boulders where indicated; establish vegetation within channel as indicated on plan.
  - Remove cofferdams; divert flow to constructed channel and remove diversion pipe
  - Complete excavation of the embankment to the limits shown

- Permits: Work should be performed in accordance with applicable federal, state, and local permits; including those provided within Appendix A of the Specifications
  - All permits received

- Submittals: Include but are not limited to:
  - ESC
  - Control of Water / Phasing
  - Imported fill materials
  - Plantings

- Funding Implications
  - Massachusetts Executive Office of Energy and Environmental Affairs (EEA) is funding the work; timely processing of payment requisitions is important

PRE-BID MEETING AGENDA REV. 1

CARPENTER POND DAM REMOVAL

- Questions/Addendums
  - Questions submitted to LNeitlich@parecorp.com
  - Responses to all questions as well as other revisions/clarifications to the bid documents will be provided through Bid Addenda.
  - Addenda will be issued on the provided OneDrive Link given to access bid documents. It is the bidder's responsibility to check the site for up to date addenda.
  - Questions Deadline: **Sunday May 3rd at 11:00AM**
  - Issuance of Final Addenda: **Monday, May 6th at 11:00AM**
  - Addendum 1 with sign in sheet is anticipated prior to 4/27/26.

- Schedule
  - Bid Due – **May 8, 2026 @ 11:00 AM** – Town of Dudley Town Administrator's Office, Town Hall, 71 West Main Street, Dudley, MA 01571
  - Anticipated Notice of Award – June 2026
  - Final Project Completion Date: Substantial completion in 2026 (180 days); Final completion after 2027 spring growing season (365 days).

Summary for Pond 3: Carpenter Pond Dam-BeaverDam

Inflow Area = 400.770 ac, 6.29% Impervious, Inflow Depth > 1.98" for 10-yr event
Inflow = 86.71 cfs @ 15.49 hrs, Volume= 66.086 af, Incl. 0.30 cfs Base Flow
Outflow = 82.41 cfs @ 16.44 hrs, Volume= 65.013 af, Atten= 5%, Lag= 56.9 min
Primary = 45.16 cfs @ 16.44 hrs, Volume= 43.065 af
Routed to Pond 4 : New Boston Road
Secondary = 35.62 cfs @ 16.44 hrs, Volume= 15.804 af
Routed to Pond 4 : New Boston Road
Tertiary = 1.64 cfs @ 16.44 hrs, Volume= 6.144 af
Routed to Pond 4 : New Boston Road

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.050 hrs
Starting Elev= 474.60' Storage= 38.500 af
Peak Elev= 475.61' @ 16.44 hrs Storage= 49.533 af (11.033 af above start)

Plug-Flow detention time= 837.6 min calculated for 26.512 af (40% of inflow)
Center-of-Mass det. time= 154.0 min (1,308.6 - 1,154.6)

Volume	Invert	Avail.Storage	Storage Description
#1	464.50'	172.000 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
464.50	0.000
465.00	0.010
466.00	0.230
467.00	0.700
468.00	1.500
469.00	2.600
470.00	5.700
471.00	10.500
472.00	16.900
473.00	24.200
474.00	32.800
475.00	42.300
476.00	54.200
477.00	70.500
478.00	87.500
479.00	106.800
480.00	127.700
481.00	148.000
482.00	172.000

Device	Routing	Invert	Outlet Devices
#1	Secondary	475.00'	**Left Abutment, C= 2.00** Offset (feet) 0.00 54.00 91.00 129.00 149.00 156.00 164.00 173.00 213.60 243.00 250.00 283.00 296.70 341.00 354.00 369.00 380.00 436.00 441.00 480.50 507.00 566.60 602.00 632.00 646.00 646.00

Elev. (feet) 487.50 484.00 480.00 476.80 476.00 476.30 476.20 476.40 479.30 478.00 478.60 478.00 477.00 477.10 476.70 476.70 477.00 477.00 477.30 478.00 475.90 475.30 475.30 475.40 475.00 487.50

#2	Secondary	475.30'	**Right Abutment, C= 2.00** Offset (feet) 0.00 0.00 11.00 21.50 30.00 43.50 57.00 79.50 85.50 129.50 134.50 216.00 233.70 243.00 346.00 375.60 405.00 428.00 Elev. (feet) 495.00 475.30 475.30 477.60 481.00 482.40 481.10 477.50 477.30 488.40 488.50 484.00 481.50 484.90 491.50 491.50 494.90 495.00
#3	Primary	474.70'	**Beaver Dam, C= 2.60** Offset (feet) 0.00 0.00 2.80 3.20 3.70 4.20 12.00 14.50 18.00 18.30 20.25 21.20 25.20 26.00 26.00 Elev. (feet) 485.00 475.00 475.10 475.12 475.12 475.00 474.80 474.75 474.75 474.72 474.74 474.70 474.80 474.90 485.00
#4	Tertiary	473.70'	**7.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=45.16 cfs @ 16.44 hrs HW=475.61' TW=463.28' (Dynamic Tailwater)
└─**3=Beaver Dam** (Weir Controls 45.16 cfs @ 2.15 fps)

Secondary OutFlow Max=35.62 cfs @ 16.44 hrs HW=475.61' TW=463.28' (Dynamic Tailwater)
├─**1=Left Abutment** (Weir Controls 31.67 cfs @ 0.83 fps)
└─**2=Right Abutment** (Weir Controls 3.95 cfs @ 1.03 fps)

Tertiary OutFlow Max=1.64 cfs @ 16.44 hrs HW=475.61' TW=463.28' (Dynamic Tailwater)
└─**4=Orifice/Grate** (Orifice Controls 1.64 cfs @ 6.12 fps)

Pond 3: Carpenter Pond Dam-BeaverDam