

ADDENDUM NO. 1

TO

BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

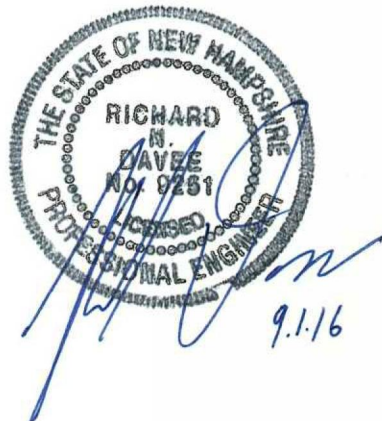
FOR

EAST END DAM MODIFCATIONS

ROCHESTER, NH

BID NO. 17-16

September 1, 2016



PREPARED BY:
WRIGHT-PIERCE
230 Commerce Way, Suite 302
Portsmouth, New Hampshire 03801
(603) 430-3728

ADDENDUM NO. 1

TO

**BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS
FOR
EAST END DAM MODIFICATIONS
ROCHESTER, NH
BID #17-16**

This Addendum amends and/or supplements the Bid Documents as indicated below. Only these items alter the Bid Documents; any conflicting oral discussions or responses are hereby declared null and void.

GENERAL

- 1.) **ADD** the attached NHDES Dam Reconstruction Permit to Appendix D of the specifications. The contractor is to adhere to the conditions of this permit and coordinate with the Owner and NHDES when necessary to meet these conditions.
- 2.) The sign in sheet, listing those who attended the non-mandatory pre-bid meeting, is attached for information.

ANSWERS TO QUESTIONS OF SIGNIFICANCE RECEIVED DURING THE BIDDING PERIOD

- 1.) **Question:** It has been difficult to find a product that matches the filter fabric requirements. Is there a specific type that would be acceptable?

Answer: Mirafi 180NC or a fabric with very similar properties is acceptable.

- 2.) **Question:** What is the engineer's estimate for this project?

Answer: An engineer's estimate was not created. The project is anticipated to cost between \$200,000 and \$300,000.

- 3.) **Question:** Is work anticipated on the water retaining face of the dam?

Answer: No, only erosion control installation is anticipated along this side of the dam.

- 4.) **Question:** How low can the reservoir level be dropped for the project?

Answer: The reservoir level can be dropped to 372.00, the level seen at the pre-bid construction meeting. This is the source for drinking water supplied to the City of Rochester and this elevation is as low as operations will safely allow.

- 5.) **Question:** Can trees remain on site after cutting?

Answer: Yes, boulders, ledge, trees, topsoil and all natural material can remain onsite. This material must be relocated to the areas described as “PROPOSED BOULDER RELOCATION AREA” if it is to remain on-site. Materials must be relocated a minimum of twenty (20) feet from the dam foot print.

6.) **Question:** Can a fuel truck be brought on to the dam?

Answer: No, fuel trucks are not to be brought on to the dam and equipment is not to be re-fueled on the dam. Equipment may be driven out of the entrance to the dam area at station 1+00 and refueled just beyond this entrance at a location that will not allow fuel to enter the reservoir in case of a spill. Equipment may be greased downhill from the dam or at a slope that will direct run off away from the reservoir.

7.) **Question:** Is hammering of surface boulders and ledge allowed?

Answer: Yes, but explosives are not allowed.

8.) **Question:** Where is dewatering discharge to be disposed of?

Answer: Dewatering discharge can be disposed of downhill from the dam, away from the reservoir and work area. Erosion and siltation measures are required and discharge into a silt sock/bag or other means of siltation control will be necessary.

9.) **Question:** Is the measurement and payment unit of Item No. 5, surface boulder and rock relocation, supposed to be TONS or CY?

Answer: The surface boulder and rock relocation item is to be measured and paid for by the cubic yard (CY) as described in the measurement and payment section. Surface boulders 50 CY (approximately 11’x11’x11’) and greater, shall be paid for by the cubic yard for relocation, including any hammering required. Boulders under 50 CY are to be relocated as part of the lump sum price for dam modifications, including any hammering required.



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

August 16, 2016

Mr. John B. Storer, P.E.
Public Works Director
City of Rochester
45 Old Dover Road
Rochester, NH 03867

RE: Rochester Reservoir Dam #D204013, Rochester, NH

Dear Mr. Storer:

Please be advised that your request for a permit to reconstruct a dam has been approved by the New Hampshire Department of Environmental Services, Dam Bureau (NHDES). The original permit has been sent to the Registry of Deeds in the county of the proposed project. Enclosed is a copy of the permit. Please note and adhere to the terms and conditions of this permit.

If you have any questions or comments, please contact me at 271-3406, or write to the Water Division at the address listed below.

Sincerely,

Steve N. Doyon, P.E.
Administrator
Dam Safety & Inspection Section

enclosures: Copy of Unregistered Permit, Fact Sheets DB10, DB13

cc: Dylan Thisse, P.E., Wright Pierce

Michael Bezanson, City of Rochester

Chad Michaud, S.W. Cole Engineering

SND\CSK\was\s\WD-Dam\damfiles\D204013\Permits\20160816 D204013 hhzreconstrctnapprvlltr.docx

DES Web site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

Telephone: (603) 271-3503 • Fax: (603) 271-6120 • TDD Access: Relay NH 1-800-735-2964



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

PERMIT No. 2016-D204013
PERMIT TO RECONSTRUCT A DAM

On August 16, 2016, the New Hampshire Department of Environmental Services, Dam Bureau (NHDES), under authority of RSA 482:9-11, issues the following permit:

WHEREAS, the City of Rochester, having a mailing address of 45 Old Dover Road, Rochester, NH 03867, has filed with DES on May 5, 2016 an application for approval to reconstruct a dam in Rochester, on tax map no. 248, lot #14, known as Rochester Reservoir Dam, in Strafford County, New Hampshire; and

WHEREAS, the application has been reviewed by this office under the authority of RSA 482:9-12. These statutes require that the NHDES be notified of an individual's intent to reconstruct a dam, and give the NHDES the authority to regulate construction and maintenance of any structure which may be a threat to public safety; and

WHEREAS, as a result of a field inspection of the site and downstream reach, the dam has been classified as a **HIGH HAZARD POTENTIAL** structure; and

WHEREAS, the NHDES has considered the application and finds that if said structure is reconstructed in accordance with plans and specifications provided with said application and accepted construction standards and is properly maintained, it would conform to the NHDES's standards for public safety; now therefore this application is approved and said dam is hereby registered and authorized in accordance with the following terms and conditions:

1. The dam shall be reconstructed in accordance with the approved plans and specifications as indicated on the following chart:

Sheet(s)/pg(s):	Plan Date:	Revision Date:
Cover Sheet	_____	7/14/16
C-1, 2A, 2B, 14 and 15	May 2016	July 2016
C2, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13	May 2016	-
Bidding and Contract Requirements & Specifications	_____	May 2016
S.W. Cole Design Phase – Geotechnical Engineering Services Report	May 2016	August 2016
Wright-Pierce Letter with Updates to the Bidding and Contract Requirements & Specifications as well as Attachments G & H	_____	6/9/16
Construction Inspection Plan	_____	May 2016

DES Web site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

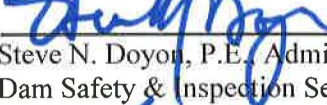
Telephone: (603) 271-3503 • Fax: (603) 271-6120 • TDD Access: Relay NH 1-800-735-2964

2. The dam shall be properly operated and maintained at all times in compliance with the provisions of Revised Statutes Annotated Chapter 482.
3. As per Env-Wr 404.03(g), at least 10 days prior to commencing work, the owner shall notify the department by certified mail of the date that the work is expected to commence.
4. The reconstruction of this dam must be completed no later than two years from the date of issuance of this permit.
5. Upon completion of construction, the dam owner shall notify the NHDES by certified mail. Filling of the reservoir shall comply with Env-Wr 405.11.
6. As per Env-Wr 404.03(f), inspections shall be performed in accordance with the plan submitted pursuant to Env-Wr 405.04.
7. As per Env-Wr 404.03(k), the owner shall operate and maintain the structure in accordance with the written operation and maintenance procedures submitted in accordance with Env-Wr 402.06(b).
8. As per Env-Wr 404.05, any changes from the approved plans and specifications shall be approved by the design engineer and submitted to the NHDES for review. If the proposed change meets the requirements of Env-Wr 403, the NHDES shall approve the change. Approvals may be granted verbally provided written approval is subsequently documented.
9. As per Env-Wr 405.08, the construction engineer shall submit an inspection report to the NHDES upon the completion of the project.
10. The construction engineer shall provide an affidavit of compliance indicating that the reconstruction was completed in accordance with approved plans and specifications upon completion of the project.
11. The construction engineer shall submit as-built drawings of the project to the department within 180 days of submitting the affidavit of compliance.
12. Registration of the dam by the NHDES does not relieve the owner from meeting the requirements of public safety or other provisions of the law.
13. Registration of the dam by the NHDES does not convey a property right or authorize any injury to property or invasion of other rights.
14. The dam owner shall notify the NHDES if the property is sold and include the new owner's name and address.
15. Per NH RSA 482:13, Public Informational Meeting Required. The construction sequence does not reflect the need for a drawdown; however, should one be required no drawdown or lowering of the waterbody shall take place prior to meeting the requirements of RSA 482:13. (30 day notice via public meeting held by dam owner).
16. Per NH RSA 211:11, Notice. In reference to item #15, above, No drawdown or lowering of the waterbody shall take place prior to meeting the requirements of RSA 211:11. (14 day written notice to NH Fish & Game).

17. As per Env-Wr 405.03(f), Prior to any work on the dam starting, the construction engineer shall sign, date and submit to the department a completed acknowledgement form provided by the department, as specified in 405.03(g).
18. The Emergency Action Plan (EAP) shall be tested prior to any construction activity at the dam. The Owner shall confirm with the NHDES that the test was successful.

Please forward all correspondence to the Water Division at the address listed on the bottom of the cover page.

DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER DIVISION

BY 
Steve N. Doyon, P.E., Administrator
Dam Safety & Inspection Section

DATE 8/16/16

East End Dam Pre-Bid Meeting 8/30/16

[illegible]