ADDENDUM NO. 1
May 5, 2017
123269

RE: **TOWN OF NEW LONDON**
PLEASANT LAKE DAM IMPROVEMENTS

FROM: DuBOIS & KING, INC.
P.O. Box 339
Randolph, Vermont 05060
(802) 728-3376

TO: **Prospective Bidders**

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents issued by the Town of New London, for the Pleasant Lake Dam Improvements project dated April 20, 2017. **Acknowledge receipt of this Addendum in the space provided on Page 1 of the Bid Form is required. Failure to do so may subject the Bidder to disqualification.**

I. Pre-Bid Meeting

A Pre-Bid meeting was held at the New London Town Office on May 4, 2017 at 10:00 a.m. Attendees are listed on the attached Pre-Bid Meeting Attendance Log. Chandler Engel, P.E., of DuBois & King, Inc. described key elements of the project. **The following addresses questions received at the pre-bid meeting.**

II. Contract Documents (Specification) Additions

Soil Borings were left out of the Contract Documents. They are attached to this Addendum and are made a part of Section 02 3200 – Geotechnical Investigations.

III. Questions & Answers

Question 1: Is the wall height on the dam to be raised?

Answer 1: The design includes installation of a concrete anchor for the geocell armoring system. The concrete anchor will also serve as the new top of dam, at the elevation shown on the drawings.

Question 2: What are the riprap material specifications?

Answer 2: See gradation and other requirements on the drawings.

Question 3: Is the existing wall to be plumbed to reduce/eliminate the existing leaning?

Answer 3: Where the wall is three tiers tall, the expectation is the top tier will be completely removed and reset and blocks in the second tier more than 2 inches out of

plumb will be reset. Where the wall is two tiers tall, deteriorated blocks identified on the drawings are to be replaced, but it is not anticipated that the other blocks will need to be reset.

Question 4: What is the Engineers Estimate?

Answer 4: The Engineers Estimate is $300,000.

Question 5: Will the survey CAD file be made available?

Answer 5: The CAD file can be made available to the selected Contractor in AutoCAD Civil3D 2014 format.

Question 6: Is the stone wall a mortared wall?

Answer 6: Yes, appears to be.

Question 7: Are there any DBE/certified payroll requirements?

Answer 7: No this is a Town funded project.

Question 8: Can the pine tree branches be trimmed?

Answer 8: Generally the trees are not to be disturbed, but the Engineer will work with the selected Contractor on a case-by-case basis.

Question 9: Is there a specific requirement source to be used regarding the stone wall, as it will look new and not weathered as it is now?

Answer 9: The new stone should reasonably match the size, shape, type and general appearance of the existing stone.

Question 10: How is the gate house powered? Singe or 3 Phase?

Answer 10: Our understanding is that the gate house is supplied with single phase power, but Contractor is responsible for confirming.

Question 11: Is the gate mechanism to be left in place while working in the gate house?

Answer 11: The Owner would like the abandoned slide gate removed as part of the work and it is to be removed as part of this project. The active gate mechanism is to remain undisturbed with the exception of installing and removing temporary power Manual operations of the active gate, if necessary, will be conducted by the Owner.

Question 12: Can the boat ramp be used to access the dam?

Answer 12: Boat ramp needs to remain open and accessible to users and isolated from construction.

Question 13: What is the usual water level?

Answer 13: See normal water surface elevation on drawings.

Question 14: Can the gate be shut at any time?

Answer 14: If the Town is given advance notice, and weather conditions permit, there is a possibility the gate could be shut for 2-3 days at a time. The Town will be responsible for any and all active gate operations.

Question 15: Is ACB a viable option?

Answer 15: For the purposes of bidding, the Contractor shall bid what is shown on the Plans.

Question 16: Who do you recommend for supplying the Geocells?

Answer 16: Approved product information is provided in the specifications.

Question 17: Will there be armoring over by the bench near the trees?

Answer 17: Any work around the trees will need to be protected during construction and shall be reviewed with the Resident Engineer prior to start of any work.

Question 18: Are the boring locations to be maintained during construction?

Answer 18: No. Those borings were conducted in 1997 and the results of the borings are attached to this Addendum.

Question 19: Are the existing boulders on the crest to be incorporated into the project or removed and disposed of?

Answer 19: Existing stonefill is to be mixed with imported stonefill as approved by the Engineer.

IV. Additional Information

a. Questions are due by 4:00 p.m. next Thursday, May 11th, with Addendum No. 2 anticipated to be available on Friday, May 12th. The Addendum is available on our web site (www.dubois-king.com) and it is your responsibility to go there on those days and check for it.

This document constitutes Addendum 1 for this project.

PRE-BID MEETING

TOWN OF NEW LONDON, NH
PLEASANT LAKE DAM IMPROVEMENTS
123269-4A

May 5, 2017

10:00 AM

ATTENDANCE LOG

(Please Print)

NAME	AFFILIATION & TITLE	PHONE #	FAX #	E-MAIL ADDRESS
Mike Hansen	Michael Hansen Construction Ltd, President	603-491-5295		hansenbridge@tds.net
Leo Lavistette	T Ford Co. Inc., PM	508-726-1232		leo@tford.com
Luke Willey	Willey Earthmoving Corp Vice Pres	802-299-7063	802-674-5702	willeyearth@gmail.com
Aaron Whipple	AM Whipple Construction Owner	603-504-2786		whipplemarine@gmail.com
Michael M Lemieux	Pine Hill Construction LLC Manager	603-542-4730	603-543-4030	pinehillconstruction@comcast.net
Dominges Roda	Sum Co Eco Contracting	508.294.8126	815.572.5022	droda@sumcoeco.com
Chandler Engel	DuBois & King Inc	802-728-3376	866-783-7101	cengel@dubois-king.com
Dawn Conant	DuBois & King Inc.	802-728-3376	"	dconant@dubois-king.com
Richard Lee	New London Public Works	603-526-6337		

CONSTRUCTION NOTES

1. The Contractor shall be responsible to insure that all necessary permits are in place prior to construction. The Contractor shall notify the Town of New London (through the Town Road Agent) 5 days prior to commencement of work.
2. The work on the new concrete facing shall be done during an annual fall lake level draw down. No work is to be done in the water.
3. The excavation for the new concrete facing footing shall be de-watered during concrete placement, and until the replacement of the granular, compacted backfill. Care shall be taken to remove the excavated material from the site as necessary, and to apply and install whatever sediment controls are necessary to prevent the excavated material from washing into the lake.
4. The new footings shall be placed on the undisturbed brown sandy fine to coarse gravel, or brown gravelly silty fine to medium sand (boring B-1). Excavation to be approved by the Engineer prior to concrete placement.
5. All concrete work shall conform to the ACI standards. Concrete to be class AA (4,000 psi 28 day compressive strength). All steel reinforcement to be grade 40.
6. Number 4 hooks shall be embedded into the existing stone and mortar wall facing randomly and uniformly at an angle, and at a density of not less than 2 hooks per square yard of facing.

   All voids in existing stone and mortar wall shall be filled with new concrete.
7. Vertical control joints shall be constructed at approximately 16' spacings. Each joint shall be properly sealed with a PVC waterstop; installed and any necessary splicing made strictly in accordance with the manufacturer's recommended procedure.
8. Emergency spillway, north abutment. The existing stone and mortar wall cap and concrete abutment shall be removed. A new concrete abutment wall shall be formed and placed, with reinforcing steel similar to section A-A. The top of the concrete shall match the new lake front facing top, elevation approximately 805.0. The joint between the new abutment wall and spillway crest shall be properly and adequately sealed; e.g. 2 rows of bituminous "rope" sealant, let into neat saw cuts.

   The new concrete abutment shall extend to the new concrete facing, with a control joint, and properly sealed with PVC waterstop (see note 7).

   Reconstruct the stone and mortar wall on top of the new concrete abutment, wall and top to match lake front wall. Compact behind the wall with clean, free draining, granular material.

   Note: Care shall be taken to maintain the full existing spillway opening width (abutment face to abutment face).
9. Any excess material, removed boulders, or concrete shall be removed off site; it shall be the Contractor's responsibility to see that the material is properly disposed of.
10. At project completion, the premises shall be left in a neat and clean condition. Before vacating the job site, the Contractor shall notify the Engineer, and Town of New London, for a final site/job inspection.

Boring # B-1 Date: 9/9/97

Sample Depth From-To	Blows per 6" on sampler	Moisture Density or Consist.	Strata Change Elev.	Soil Remarks
0'-2'	3 2		6"	Crushed Stone
2'-4'	4 13 12 7	* Loose		Light brown fine sands with grey sandy silt layers and coarse gravels - trace of organics - roots - cobbles and boulders
4'-5'6"	4 6 8 9			Same material
5'6"-7'6"	4 9 6		5'±	
7'6"-9'6"	7 6 14 21	Loose		Brown fine sands - wood - roots, etc.
9'6"-11'6"	15 26 25 40	Dense-Wet	7'6"	Brown gravelly silty fine to medium sands
	38 26			Same material
17'-17'5"	108/5"	Extremely Dense-Wet	15'	Grey gravelly silts and fine to medium sands (Glacial Till)
			17'5"	
				Set 1" I.D. PVC pipe with screw cap to 13' below surface

Boring # B-2 Date: 9/9/97

Sample Depth From-To	Blows per 6" on sampler	Moisture Density or Consist.	Strata Change Elev.	Soil Remarks
0'-2'	4 4 6 1		3"	Crushed Stone
		Loose	9"	Light brown fine to medium sands
2'-4'	3 3 7 9	Loose to Med. Dense		Brown gravelly fine to coarse sands with cobbles
4'-6'	12 15 17 20		4'	
6'-8'	17 19 21 22	Dense		Brown sandy fine to coarse gravels with occasional cobble and boulder
8'-9'	21 . 35			
10'6"-12'	19 56 71			Same material Oxidation in last sample (rust color)
			12'	

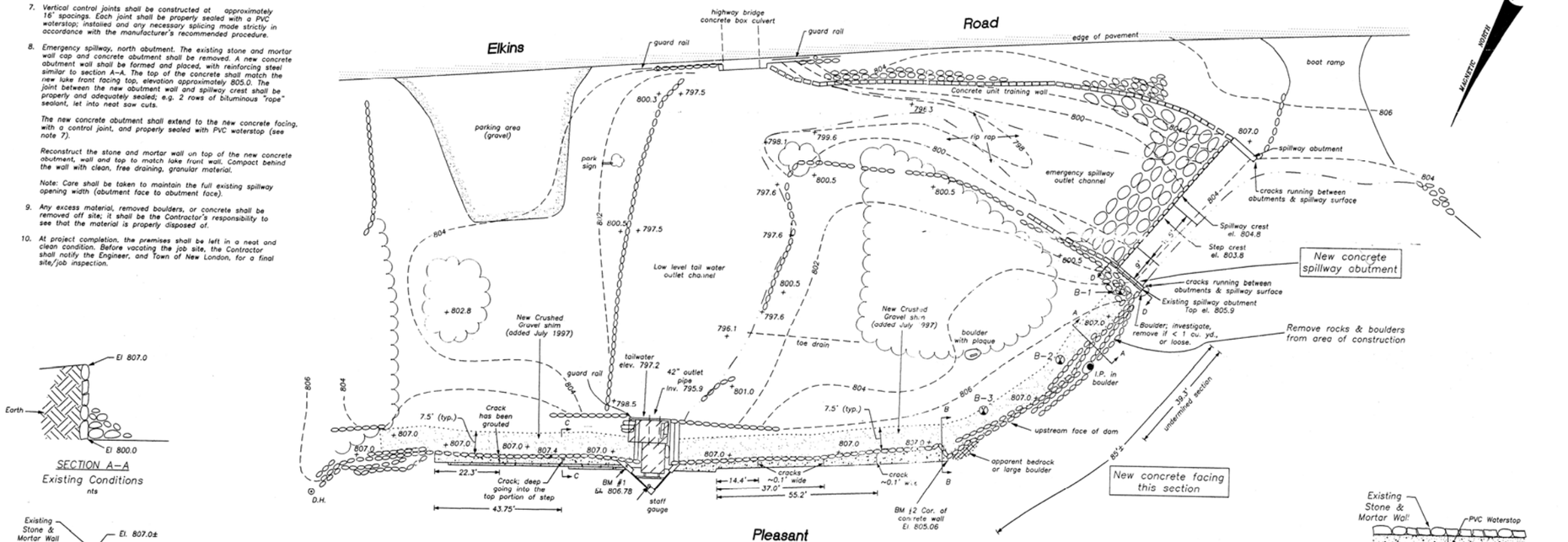
Boring # B-3 Date: 9/9/97

Sample Depth From-To	Blows per 6" on sampler	Moisture Density or Consist.	Strata Change Elev.	Soil Remarks
0'-2	3 4 3 4		3"	Crushed Stone
2'-3'	4 17	Loose		Light brown silty fine to medium sands with boulders
5'-7'	5 4 17 17			Same material
7'-9'	25 24 25 42	Dense-Wet	6"	Brown sandy fine to coarse gravels with cobbles
11'-12'6"	26 45 51			Oxidation in last sample (rust color) same material
			12'6"	

Borings and Data by:
M & W Soils Engineering, Inc.
Main St., Charlestown, NH 03603

KEY

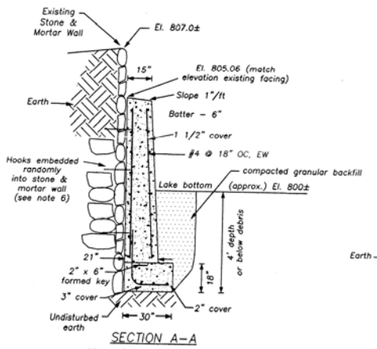
Ⓑ B# Boring & number



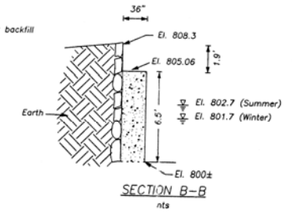
NOTE

1. This plan was electronically digitized from plan entitled "Plan of lake and outlet channels, Pleasant Lake Dam", New London, N.H., revised date 8/23/89, by Environmental Strategies.

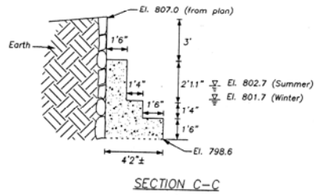
SECTION A-A
Existing Conditions
nts



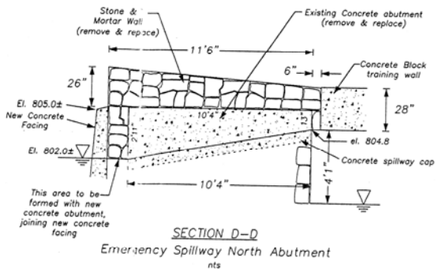
SECTION A-A
lew Concrete Facing
nts



SECTION B-B
nts

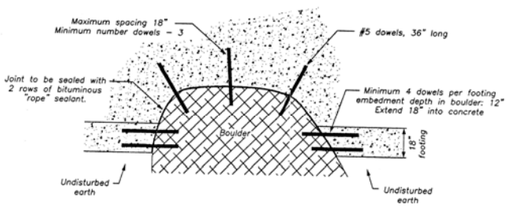


SECTION C-C
nts



SECTION D-D
Emergency Spillway North Abutment
nts

CONTROL JOINT
Plan View
nts



DETAIL IF BOULDER ENCOUNTERED
nts

PLAN PREPARED BY:

JESSEMAN ASSOCIATES, PC
5 Little Sunapee Road
P.O. Box 1795
New London, N.H. 03257
Tel.: (603) 526-2055

CONSULTING ENGINEERS

STEPHEN H. JESSEMAN

PROJECT NAME:

Site Plan
New Concrete Facing

PLAN PREPARED FOR:

Town of New London
Pleasant Lake Dam

Elkins Road
Elkins, (New London) NH

PLAN INFORMATION:

PROJECT NUMBER:	
DRAWING DATE:	14 October 1997
DRAWN BY:	BMD
CHECKED BY:	DHS
SCALE:	1"=20'
DRAWING NAME:	ELKINDAM.DWG
DRAWING LOCATION:	C:\DWG\ELKINDAM.DWG

REVISIONS

NUMBER	NAME	DESCRIPTION

SHEET NUMBER	OF
1	1