

**Vermont Department of Environmental Conservation**

Watershed Management Division, Rivers Program

One National Life Drive – Main 2

Montpelier, VT 05620-3522

<http://dec.vermont.gov/watershed>*Agency of Natural Resources*

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**AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES**

Pursuant to Section C.2.2.4 of the VT Stream Alteration General Permit

Project Number: **SA-09-021-2016 Marlboro Higley Hill Road Culvert Extension**

Applicant Name: Town of Marlboro Highway Department

Contact: David Elliott or Linda Peters

Mailing Address: Town of Marlboro, PO Box 154, Marlboro, VT 05344

Phone: 802-257-0252 or 802-254-2181

Project Location: Higley Hill Road TH 2 Culvert 2 on Bellows Brook

Email: [marlborotreasurer@gmail.com](mailto:marlborotreasurer@gmail.com)

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes an 18' extension of an existing 10' span x 6' rise open bottom plate arch pipe on 4' tall concrete abutments with minor ledge removal and rip-rap bank stabilization for road surface improvements.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit.
3. The proposed activity will meet the terms and conditions of the General Permit provided:
  - a) The project will be completed and approved as shown on the plans dated 11/2/16, prepared by Daniels Construction, and approved by the Vermont Agency of Natural Resources as herein.
  - b) The project will not adversely affect the public safety by increasing flood hazards.
  - c) The project will not significantly damage fish life or wildlife.
  - d) The project will not significantly damage the rights of riparian owners.
  - e) The project will not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
  - f) The project is conducted in a manner which minimizes or avoids any discharge of sediment or other pollutants to surface waters in violation of the VT Water Quality Standards.
  - g) The ANR River Management Engineer is notified by phone or email when construction begins and when the project is complete.
  - h) In-stream working dates for all GP activities are from July 1<sup>st</sup> through October 1<sup>st</sup>; any in-stream work outside these dates will require an Individual Stream Alteration Permit authorization by the River Management Engineer.
  - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

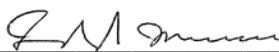
If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 1<sup>st</sup> day of December, 2016

This permit expires October 1, 2017.

David K. Mears, Commissioner

Department of Environmental Conservation

by 

Todd Menees, P.E., River Management Engineer



*Bellows Brook*

Higley Hill Rd

August Wagon Rd

August Wagon Rd

Appalachian Mountains



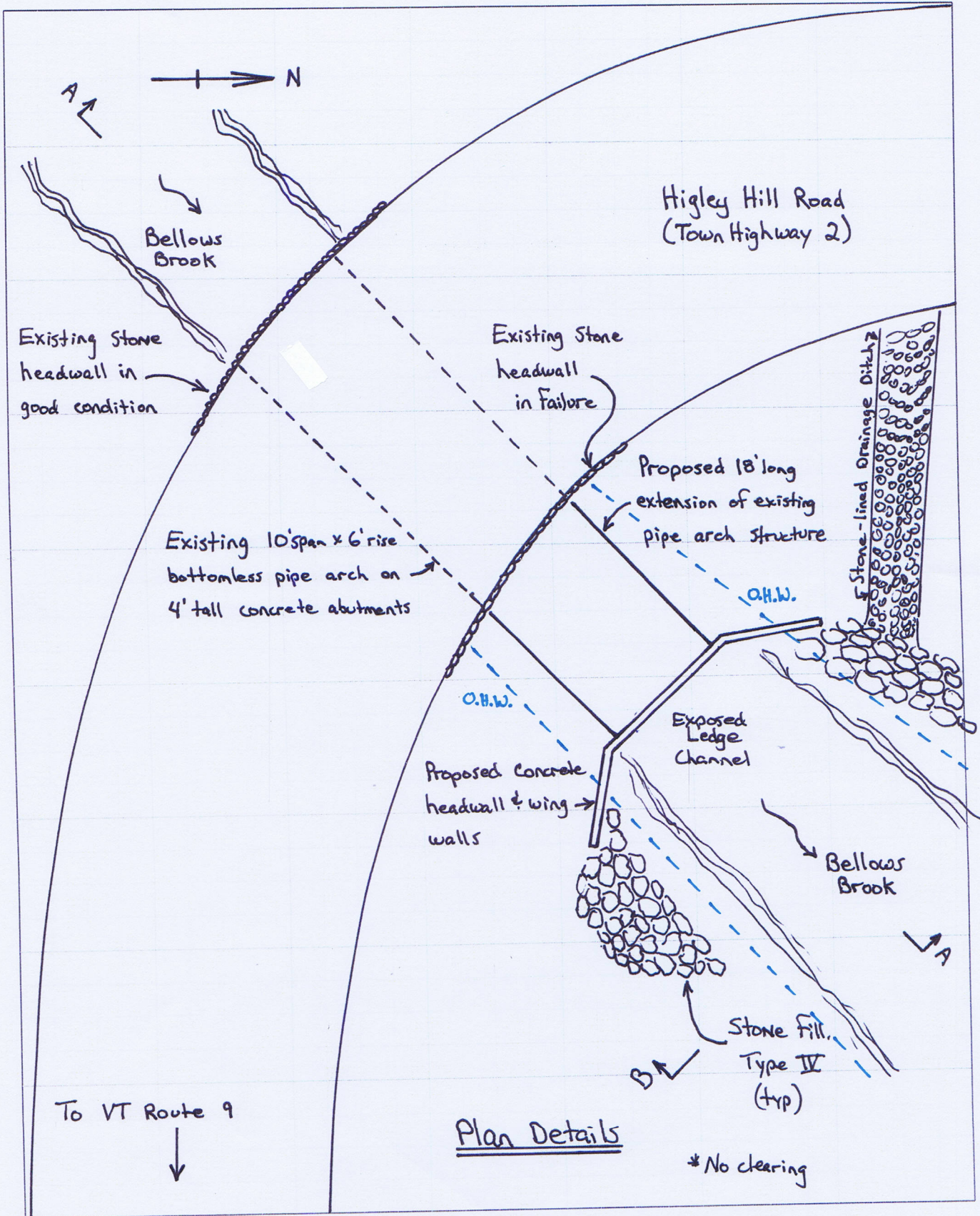
High ledge in center of channel to be lowered



# DANIELS CONSTRUCTION

P.O. Box 246 - 4409 Route 5  
Ascutney, VT 05030-0246  
Phone: (802) 674-6323 Fax: (802) 674-5346

JOB Culvert Extension JOB NO \_\_\_\_\_  
DESCRIPTION Higley Hill Rd. SHEET NO 1 OF 3  
SUBJECT Marlboro, VT SCALE N.T.S.  
CALC. BY M. Belden DATE 11/2/16  
CHCK. BY \_\_\_\_\_ DATE \_\_\_\_\_



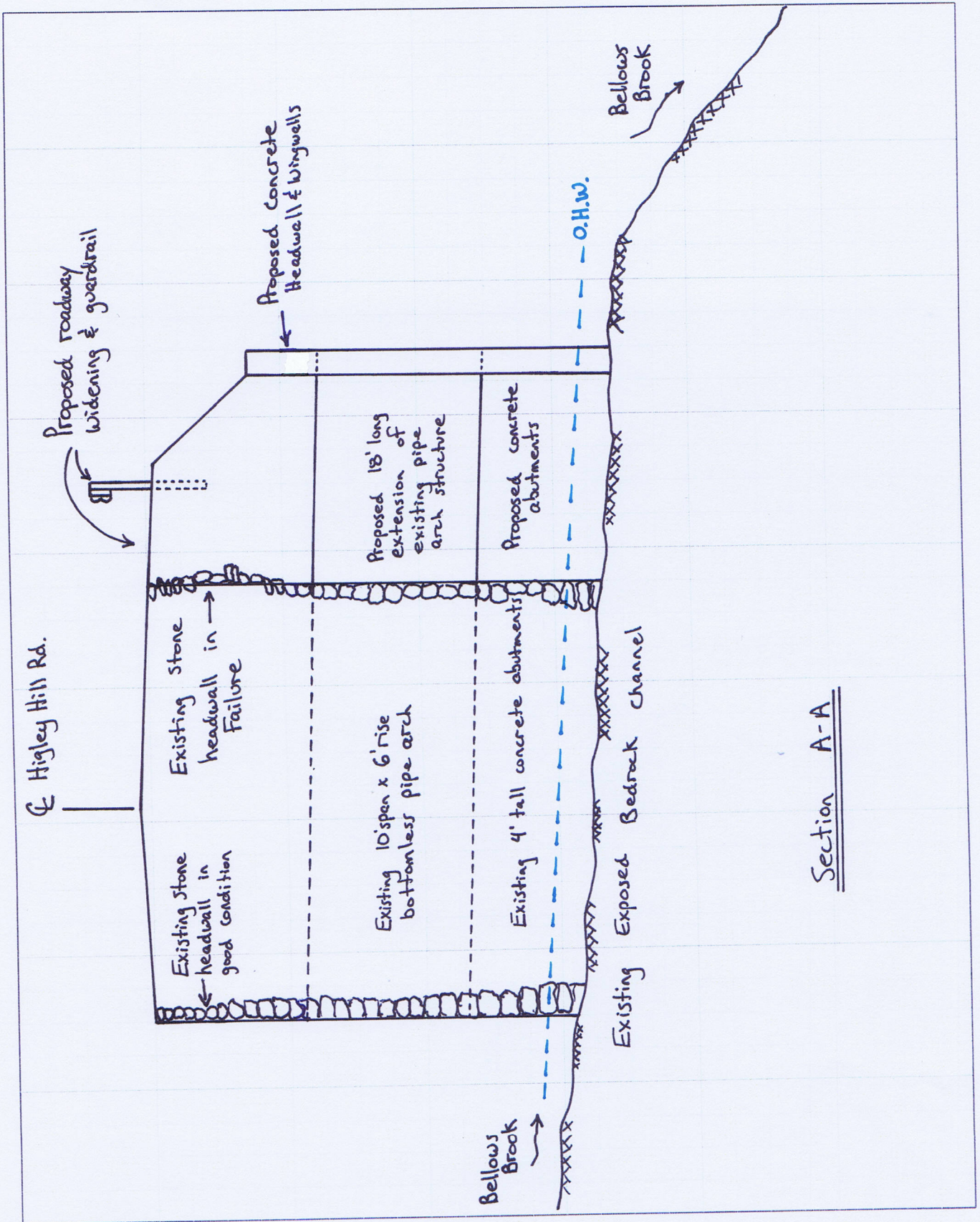


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JOB Culvert Extension JOB NO \_\_\_\_\_  
DESCRIPTION Higley Hill Rd. SHEET NO 2 OF 3  
SUBJECT Marlboro, VT SCALE N.T.S.  
CALC. BY M. Belden DATE 11/2/16  
CHCK. BY \_\_\_\_\_ DATE \_\_\_\_\_

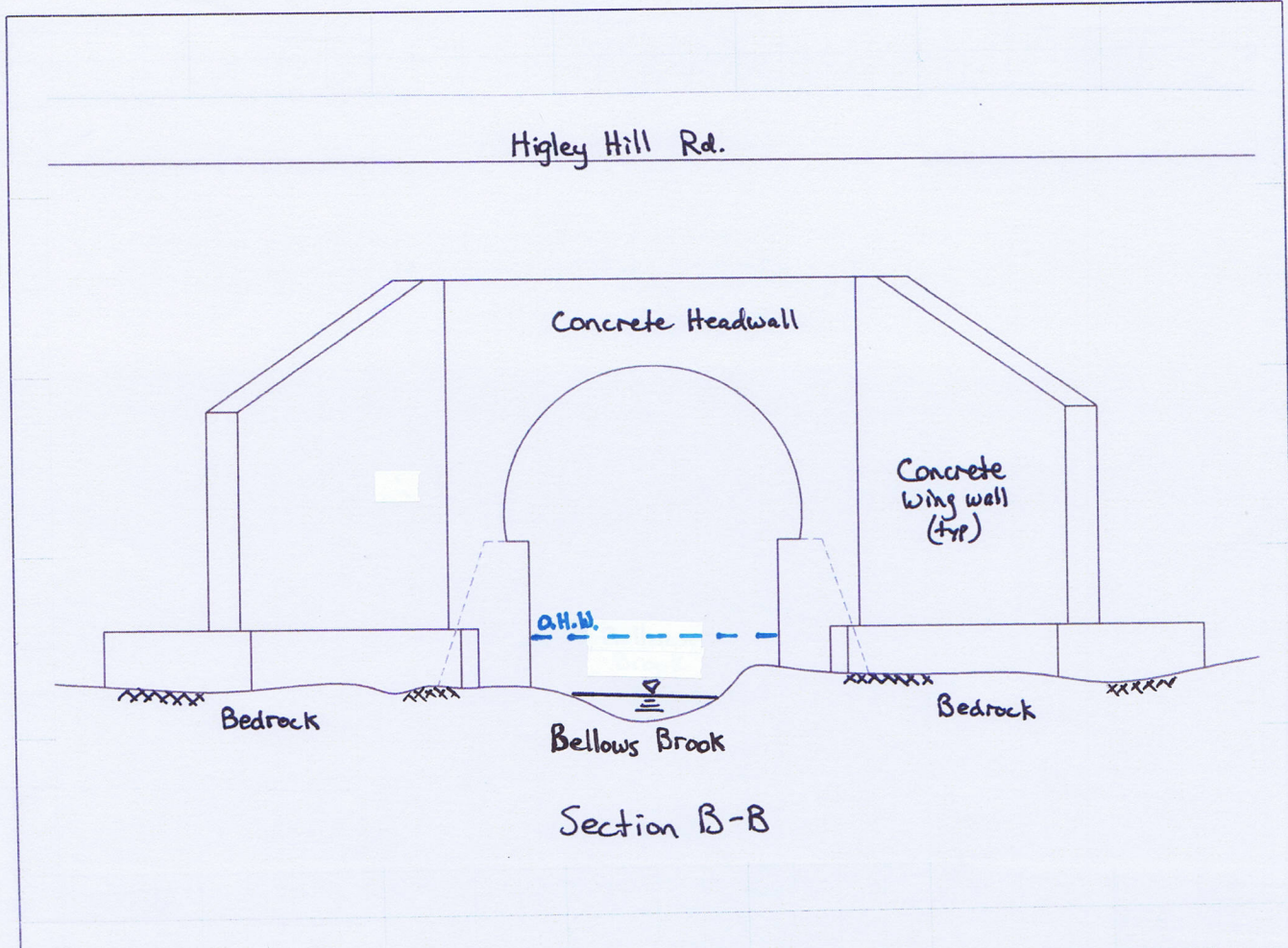




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JOB Culvert Extension JOB NO \_\_\_\_\_  
 DESCRIPTION Higley Hill Rd. SHEET NO 3 OF 3  
 SUBJECT Marlboro, VT SCALE N.T.S.  
 CALC. BY M. Belden DATE 11/2/16  
 CHCK. BY \_\_\_\_\_ DATE \_\_\_\_\_



Project Overview	Approx. Duration
Mobilize	1 day
Install traffic control devices (signs)	1 day
Install erosion control measures (silt fence, silt sock, hay bales)	½ day
Construct access ramp to brook	2 days
Divert Bellows Brook to center of channel utilizing sandbags	½ day
Construct concrete abutments for pipe arch	5 days
Divert Bellows Brook to one side using sandbags	½ day
Hammer high spots of ledge to channelize flow	½ day
Remove water diversion	½ day
Install pipe arch	2 days
Construct concrete headwall and wingwalls	10 days
Backfill structure	2½ days
Place stone fill	½ day
Construct stone-lined ditch and restore site	2 days
<b>Total Project Duration</b>	<b>28½ days</b>
<b>Total 'In-Stream' Project Duration</b>	<b>7½ days</b>