



**US Army Corps
of Engineers** ^a
New England District
696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Comment Period Begins: 28-Jun-2011
Comment Period Ends: 27-Jul-2011
File Number: NAE-2011-0152
In Reply Refer To: Marty Abair
Phone: (802) 872-2903
E-mail: Martha.a.abair@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below.

APPLICANT: Benjamin Heintz, 166 Gilman Street, Marshfield, Vermont 05658

ACTIVITY: Place fill in the Winooski River and an adjacent wetland in conjunction with the removal of the Marshfield 8 Dam and stabilization of the riverbanks off Gilman Street in Marshfield, Vermont.

The project will involve the removal of about 59 linear ft. of the Marshfield 8 Dam, with 34 linear ft. of the dam remaining at river left. Access to the dam will be from Gilman Street downstream of the dam and will involve the placement of temporary fill for an access road in about 2420 sq. ft. (0.06 acre) of a wet meadow adjacent to the river. An additional 1660 sq. ft. (0.04 acre) of river bottom will be temporarily impacted by the placement of fill to access the dam.

About 115 linear ft. of the left bank of the river immediately upstream of the remaining dam and 30 linear ft. of the right bank immediately downstream of the dam will be stabilized with about 280 cy of stone fill and granular backfill [150 cy below existing Ordinary High Water (OHW)]. This will result in a permanent impact to about 3340 sq. ft. of river bottom below existing OHW.

The existing 0.49 acre impoundment contains about 2000-3000 cy of sediments which will be released upon removal of the dam. Permanent changes to the riverbed as a result of this release are expected to be confined to a 4000 sq. ft. (0.09 acre) scour hole at the base of the existing dam. Pre and post-construction monitoring will be conducted both upstream and downstream of the dam to determine if any other long-term impacts occur and to determine any remedial action as necessary.

The purpose of the project is to restore this section of the Winooski River to natural conditions.

There is no other alternative that will allow the applicant to accomplish his purpose of restoring the Winooski River to its natural, pre-dam state.

The work is described on the enclosed plans, in twelve sheets, entitled "MARSHFIELD 8 DAM REMOVAL AND RIVER RESTORATION", and dated "05/27/2011".

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed on the Winooski River off the north side of Gilman Street in Marshfield, Vermont. The project is on the USGS Marshfield, VT 7.5' quadrangle sheet at UTM coordinates 4914206.0 N and 711098.0 E.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- Section 404 of the Clean Water Act
- Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.

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- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- () Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Marty Abair at our Vermont Project Office at 802 872-2893.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

In accordance with 33 CFR 325.2(a)(8), we publish monthly a list of permits issued or denied during the previous month at www.nae.usace.army.mil/reg, under the heading "Monthly General and Individual Permit Authorizations." Relevant environmental documents and the SOFs or RODs are available upon written request and, where applicable, upon the payment of administrative fees. Also visit www.nae.usace.army.mil for more information on the New England District Corps of Engineers programs.

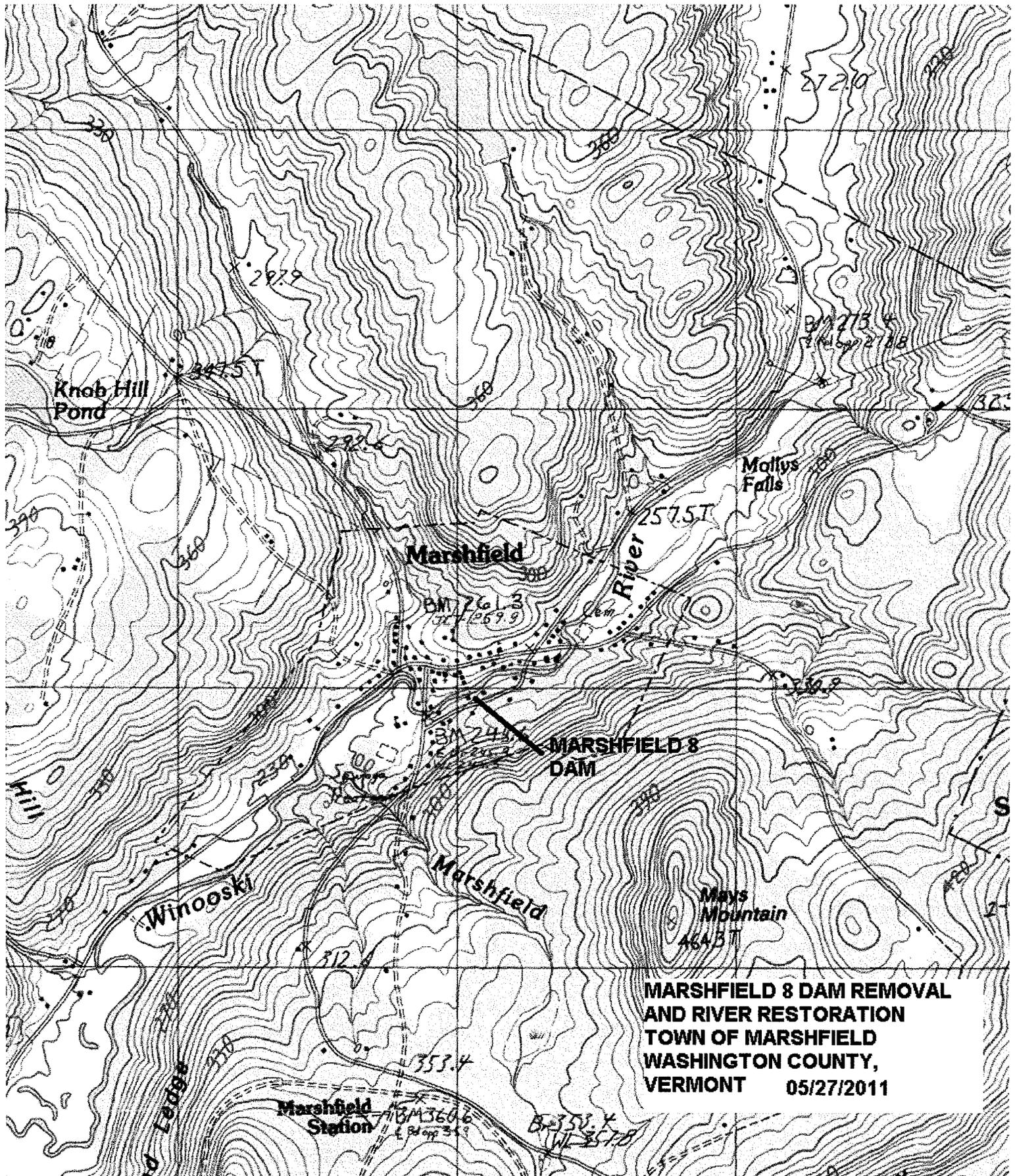
THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.


Frank J. DelGiudice
Chief, Permits and Enforcement Branch
Regulatory Division

CENAE-R
FILE NO. NAE-2011-0152

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____



**MARSHFIELD 8 DAM REMOVAL
AND RIVER RESTORATION
TOWN OF MARSHFIELD
WASHINGTON COUNTY,
VERMONT 05/27/2011**

GENERAL NOTES:

1. ALL ELEVATIONS AND QUANTITIES ARE BASED ON IN-SITU CONDITIONS. ONCE DISTURBED, MATERIAL CONDITIONS CAN VARY SIGNIFICANTLY.
2. THE APPROVAL AND USE OF THESE PLANS ARE FOR THE PROJECT APPLICANT AS DEPICTED ON THIS SHEET. THIS PLAN IS NOT TO BE UTILIZED IN THE PREPARATION OF ANY OTHER PROJECTS.
3. AS FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO PROPOSED TOPOGRAPHIC ELEVATIONS AND FACILITY LOCATIONS, THESE PLANS ARE NOT TO BE UTILIZED AS AS-BUILTS.
4. THESE PLANS ARE NOT TO BE UTILIZED FOR CONSTRUCTION, UNTIL ALL REQUIRED LOCAL, STATE, AND FEDERAL PERMITS ARE OBTAINED.
5. ALL PROPOSED CONSTRUCTION MUST BE SUPERVISED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF VERMONT.

CONSTRUCTION NOTES:

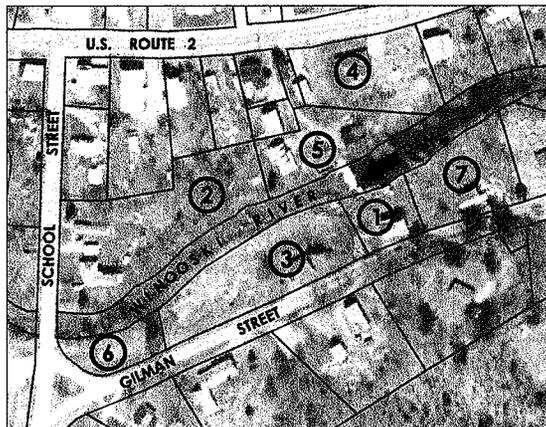
1. SOIL, ROCK, OR OTHER MATERIALS TO BE UTILIZED FOR FILLING OR BACKFILLING SHALL BE APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.
2. ALL MATERIALS SHALL CONFORM TO THE LATEST AMERICAN STANDARDS FOR TESTING AND MATERIALS SPECIFICATIONS (ASTM).
3. PROXIMITY OF STOCKPILES TO THE EDGE OF EXCAVATIONS SHALL BE SUCH THAT THE INFLUENCE OF THE STOCKPILE SURCHARGE ON THE MODIFIED OR EXISTING SLOPE IS REDUCED. WHERE POSSIBLE, STOCKPILES WILL BE PLACED AT A DISTANCE FROM THE EDGE OF EXCAVATION EQUAL TO (OR GREATER THAN) THE HEIGHT OF THE EDGE.
4. UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
5. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO EXISTING SERVICES OR MAINS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S OWN EXPENSE.
6. EXCAVATIONS AND STOCKPILES IN NO WAY SHALL HAVE SLOPES STEEPER THAN 2:1.
7. THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL APPLY.
8. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THAT WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF FENCES, SIGNS, STRUCTURES, VEGETATION, IRRIGATION, LANDSCAPING COMPONENTS, AND ANY OTHER PROPERTY ITEMS THAT ARE REMOVED OR DAMAGED FOR THE PURPOSES OF THE PROJECT LOGISTICS AND ACCIDENTS.

CONSTRUCTION SAFETY AND SECURITY:

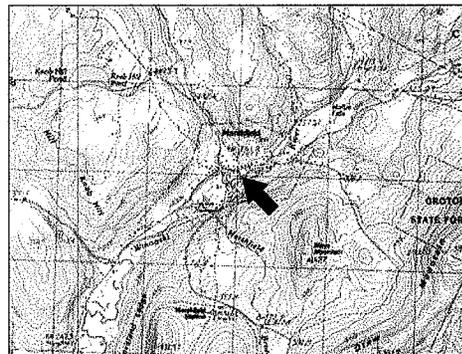
1. ALL CONSTRUCTION SHALL ADHERE TO OSHA STANDARDS AND REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PURCHASE AND INSTALLATION OF HIGH VISIBILITY FENCING AND WARNING SIGNS ALONG THE PERIMETER OF STOCKPILED MATERIAL STORAGE LOCATIONS AND STAGING AREAS.
3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CONSTRUCTION WARNING SIGNS AND TRAFFIC CONTROL AS REQUIRED BY THE VERMONT AGENCY OF TRANSPORTATION WITH REGARD TO ACCESS OF CONSTRUCTION VEHICLES AND TRUCKS UTILIZING THE SITE AND STATE ROADWAYS.

MARSHFIELD 8 DAM REMOVAL AND RIVER RESTORATION

TOWN OF MARSHFIELD WASHINGTON COUNTY, VERMONT



1 PROJECT SITE LOCATION
2007 AERIAL PHOTOGRAPH
WITH PARCEL BOUNDARIES
SCALE: 1" = 100'



2 PROJECT VICINITY
SCALE: 1" = 500'
USGS QUADRANGLE
7.5 MINUTE SERIES
MARSHFIELD, VT

DAM OWNER:

BENJAMIN HEINTZ
166 GILMAN ST.
MARSHFIELD, VT 05658
PROPERTY ID# 05-01-53
MAP NO.: 1

PROJECT SPONSOR:

VERMONT AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
RIVER MANAGEMENT PROGRAM
103 SOUTH MAIN STREET
WATERBURY, VT 05671-0408

ADDITIONAL PROPERTY OWNERS:

MAP NO.	PROPERTY ID#	PROPERTY OWNER	STREET ADDRESS	TOWN, STATE	ZIP CODE
1	05-01-53	HEINTZ, BENJAMIN	166 GILMAN STREET	MARSHFIELD, VT	05658
2	05-01-38	CARPENTER, BERNARD & JULIA	PO BOX 18	MARSHFIELD, VT	05658
3	05-01-52	CLARK, MARION	PO BOX 111	MARSHFIELD, VT	05658
4	05-01-45	DUCHARME, BRIAN JR.	PO BOX 4	MARSHFIELD, VT	05658
5	05-01-44	FEENEY, VINCENT E.	34 GRISTMILL PLACE	MARSHFIELD, VT	05658
6	05-01-51	GILMAN, ARTHUR V.	PO BOX 82	MARSHFIELD, VT	05658
7	05-01-54	MOSHINSKIE, SHAWN	134 GILMAN STREET	MARSHFIELD, VT	05658

SHEET INDEX:

- SHEET 01 - TITLE SHEET
- SHEET 02 - EXISTING CONDITIONS
- SHEET 03 - DESIGN OVERVIEW SHEET
- SHEET 04 - PROPOSED CONDITIONS
- SHEET 05 - CROSS-SECTIONS
- SHEET 06 - PROFILES
- SHEET 07 - EROSION PREVENTION AND SEDIMENT CONTROL AND CONSTRUCTION PLAN
- SHEET 08 - EROSION PREVENTION AND SEDIMENT CONTROL AND CONSTRUCTION PLAN DETAILS
- SHEET 09 - EROSION PREVENTION AND SEDIMENT CONTROL AND CONSTRUCTION DETAILS / NOTES
- SHEET 10 - EROSION PREVENTION AND SEDIMENT CONTROL AND CONSTRUCTION DETAILS / NOTES
- SHEET 11 - REGULATORY CONSTRAINTS PLAN

CALL BEFORE YOU DIG!
VERMONT LAW REQUIRES
THAT YOU GIVE 14 WORKING DAYS NOTICE
PRIOR TO CONSTRUCTION - STOP CALL
Reference Vermont Statutes Title 30 Chapter 84
and Public Service Board Rule 3.000
Dig Safe System, Inc.
1-888-344-7233

PROJECT NOTES

1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
2. DATA DISPLAYED IN VERMONT STATE PLANE FEET. HORIZONTAL DATUM IS NAD83. VERTICAL DATUM IS NAVD83.
3. PARCEL DATA OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION WEBSITE, TOWN OF MARSHFIELD, IN DIGITAL FORMAT. PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY. PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
4. WETLAND Delineation COMPLETED BY ENVIRONMENTAL SERVICES, LLC., DECEMBER 2010.

5-27-11 REVISED PER USACE COMMENTS 5-8-11
4-15-11 REVISED PER USACE COMMENTS 3-28-11

DATE	DESCRIPTION
REVISIONS	

GEOFFREY M. GOLL
Professional Engineer
VT Lic. No. 8659

DATE _____

PRINCETON HYDRO, LLC **PH**

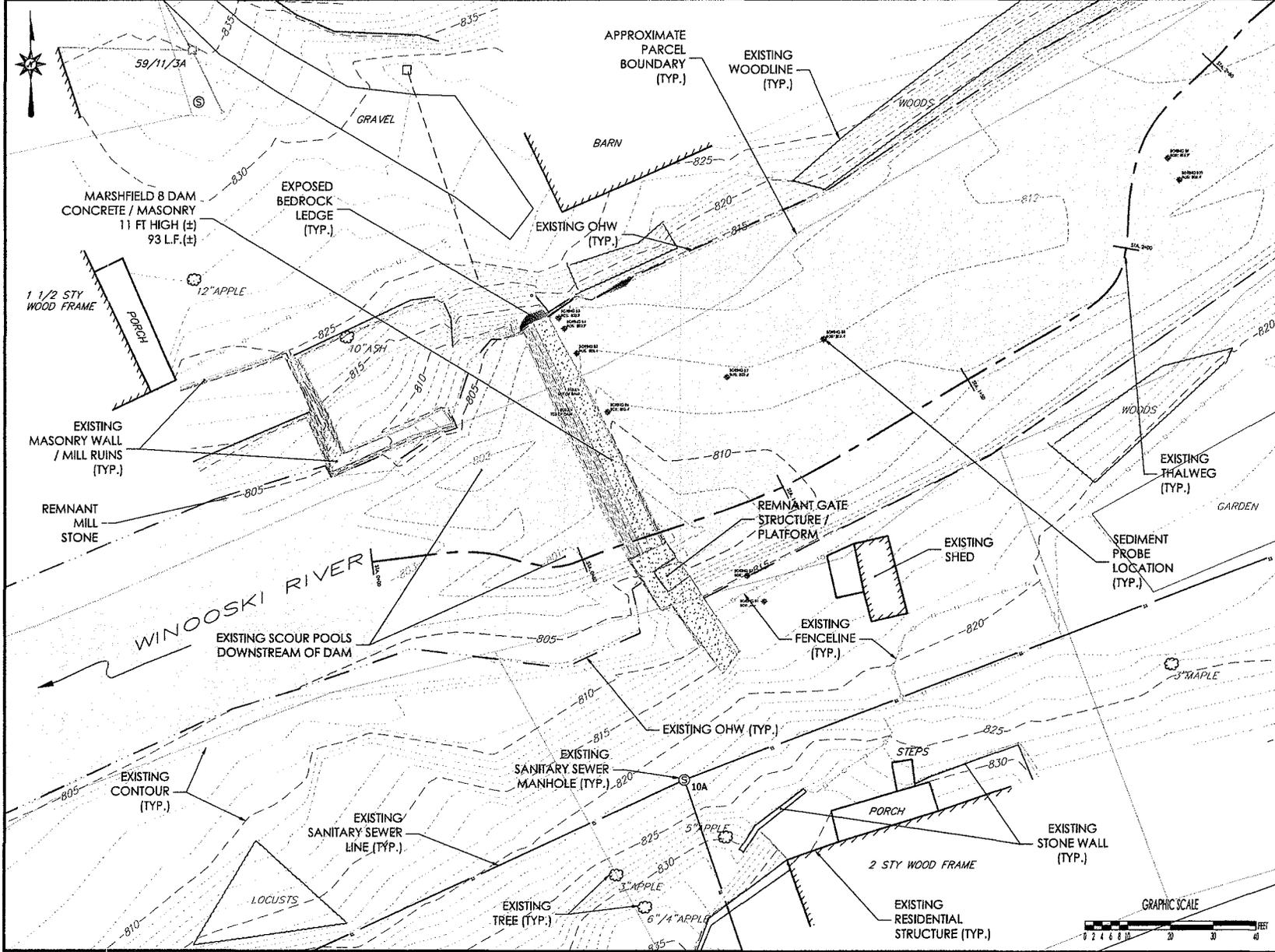
SCIENTISTS AND ENGINEERS
1108 OLD YORK ROAD, SUITE 1
P.O. BOX 730
RINGWOOD, NEW JERSEY 08551
PHONE: 908.637.5660
FAX: 908.237.5668
WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
MARSHFIELD 8 DAM REMOVAL
AND RIVER RESTORATION
TOWN OF MARSHFIELD
WASHINGTON COUNTY, VERMONT

DRAWING NAME:
TITLE SHEET

DATE:	05/27/2011
PROJECT NO.:	1107.001
SCALE:	AS SHOWN
DRAWN BY:	SWP
CHECKED BY:	LW/GG

SHEET NO. **1** OF **11**



CALL BEFORE YOU DIG!
 VERMONT LAW REQUIRES
 TWO (2) WORKING DAYS NOTICE
 PRIOR TO CONSTRUCTION - STOP CALL
 Reference Vermont Statutes Title 30 Chapter 86
 and Public Service Board Rule 3-200
 Dig Safe System, Inc.
 1-888-344-7233

PROJECT NOTES

1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
2. DATA DISPLAYED IN VERMONT STATE PLANE FEET, HORIZONTAL DATUM IS NAD83, VERTICAL DATUM IS NAVD83.
3. PARCEL DATA OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION WEBSITE, TOWN OF MARSHFIELD. DIGITAL FORMAT PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY. PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
4. WETLAND DESIGNATION COMPLETED BY ENVIRONMENTAL SERVICES, LLC., DECEMBER 2010.

DATE	REVISIONS
5-27-11	REVISED PER USACE COMMENTS 5-3-11
4-13-11	REVISED PER USACE COMMENTS 3-28-11

GEOFFREY M. GOLL
 Professional Engineer
 VT Lic. No. 8650

DATE _____

PRINCETON HYDRO, LLC **PH**

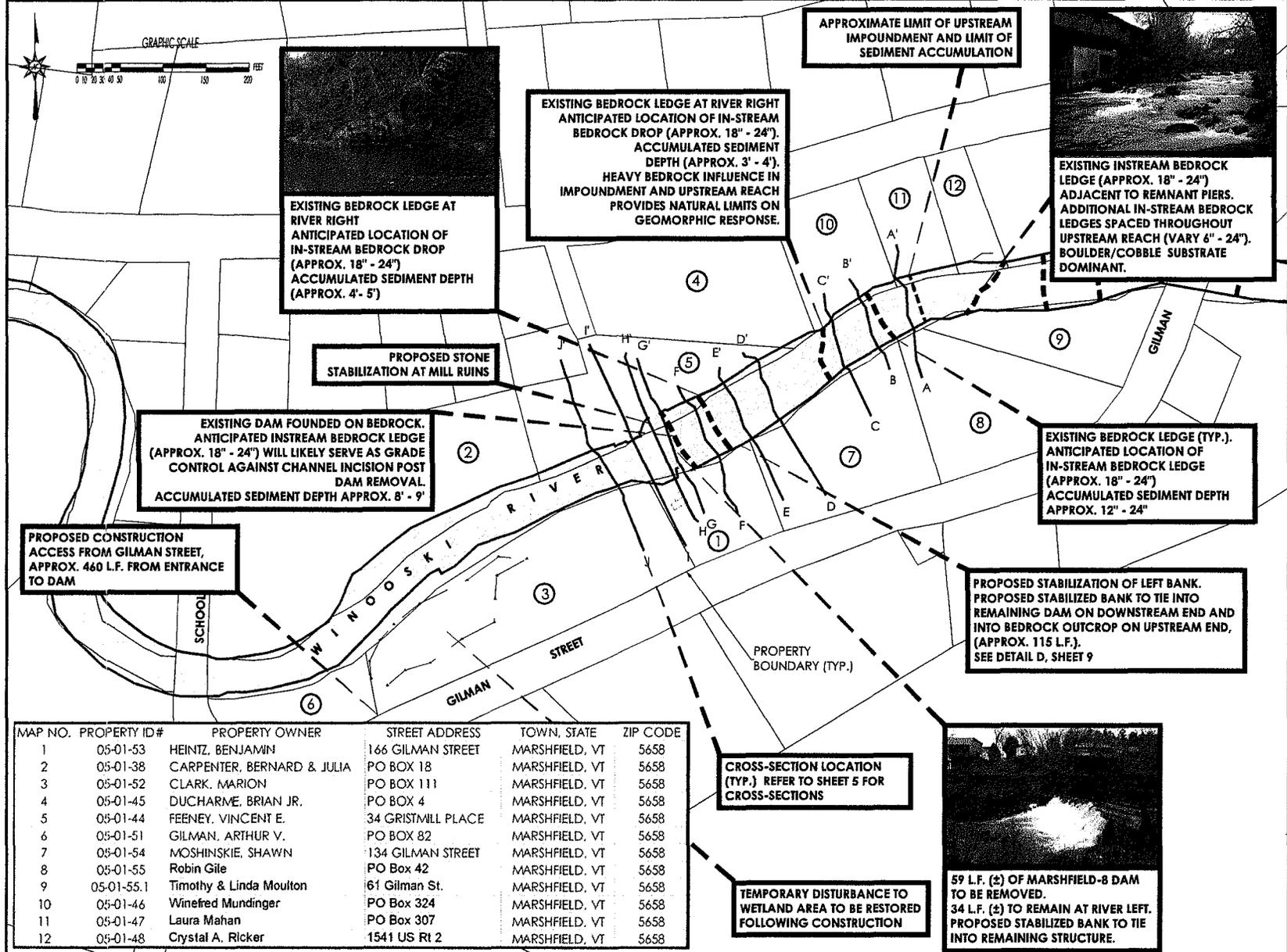
SCIENTISTS AND ENGINEERS
 1100 OLD YORK ROAD, SUITE 1
 P.O. BOX 780
 RINGOBS, NEW JERSEY 08861
 PHONE: 908.237.5680
 FAX: 908.237.5688
 WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
 MARSHFIELD 8 DAM REMOVAL
 AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

DRAWING NAME:
 EXISTING CONDITIONS PLAN

DATE:	05/27/2011
DRAWING NO.:	1107-001
SCALE:	AS SHOWN
DRAWN BY:	JLW/EG
CHECKED BY:	LW/EG
SHEET NO.	2 OF 11

GRAPHIC SCALE
 0 2 4 6 8 10 20 30 40 FEET



CALL BEFORE YOU DIG!
VERMONT LAW REQUIRES TWO (2) WORKING DAYS NOTICE PRIOR TO CONSTRUCTION - STOP CALL Reference Vermont Statutes Title 30 Chapter 86 and Public Service Board Rule 3-800 Dig Safe System, Inc. 1-888-344-7235

PROJECT NOTES

1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMATS FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
2. DATA DISPLAYED IN VERMONT STATE PLANE FEET, HORIZONTAL DATUM & NADES, VERTICAL DATUM IS NAVD83.
3. PARCEL DATA OBTAINED FROM VERMONT COVER FOR GEOGRAPHIC INFORMATION WEBSITE, TOWN OF MARSHFIELD, IN DIGITAL FORM. PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY. PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
4. WETLAND DEMARCATION COMPILED BY EY TECHNICAL SERVICES, LLC, DECEMBER 2010.

DATE	DESCRIPTION
4-15-11	REVISED PER USACE COMMENTS 6-7-11
5-27-11	REVISED PER USACE COMMENTS 5-5-11
4-15-11	REVISED PER USACE COMMENTS 3-28-11

REVISIONS

GEOFFREY M. GOLL
Professional Engineer
VT Lic. No. 8650

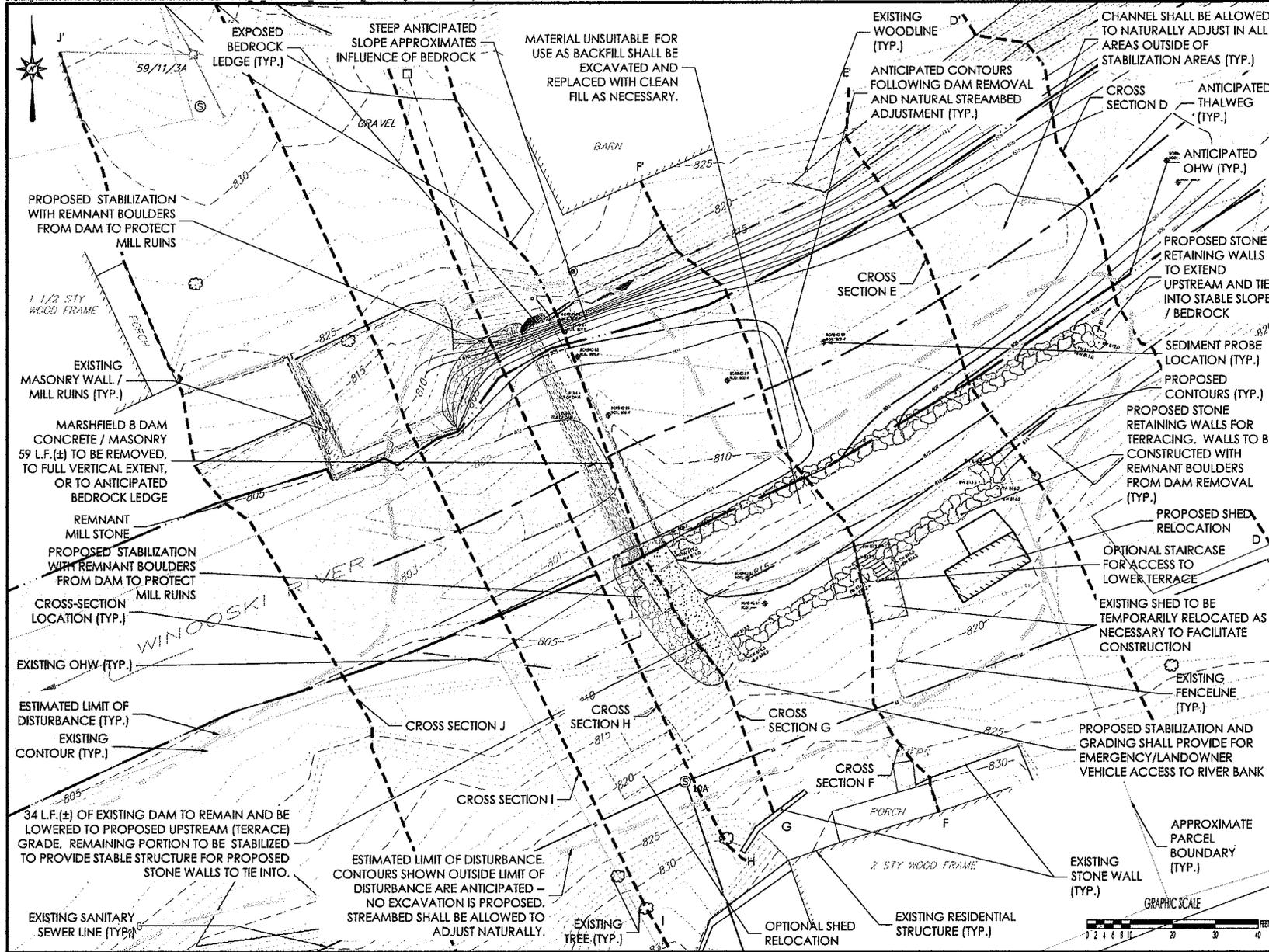
DATE

PRINCETON PH₂O
SCIENTISTS AND ENGINEERS
1108 OLD YORK ROAD, SUITE 1
P.O. BOX 720
RINGOLES, NEW JERSEY 08661
PHONE: 908.237.8660
FAX: 908.237.8688
WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
MARSHFIELD 8 DAM REMOVAL AND RIVER RESTORATION
TOWN OF MARSHFIELD
WASHINGTON COUNTY, VERMONT

DRAWING NAME:
DESIGN OVERVIEW SHEET

DATE:	05/27/2011
PROJECT NO.:	1107.001
SCALE:	AS SHOWN
DRAWN BY:	HWY
CHECKED BY:	LW/GLE
SHEET NO.:	3 OF 11



CALL BEFORE YOU DIG!
 VERMONT LAW REQUIRES
 TWO (2) WORKING DAYS NOTICE
 PRIOR TO CONSTRUCTION - STOP CALL
 Reference Vermont Statutes Title 30 Chapter 86
 and Public Service Board Rule 3.800
 Dig Safe System, Inc.
 1-888-344-7233

- PROJECT NOTES**
1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
 2. DATA DISPLAYED IN VERMONT STATE PLANE FEET, HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NGVD29.
 3. PARCEL DATA OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION WEBSITE TOWN OF MARSHFIELD, INCIDENTAL FORM. PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY; PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
 4. WETLAND DELINEATION COMPLETED BY ENVIRONMENTAL SERVICES, LLC, DECEMBER 2010.

5-27-11	REVISED PER USACE COMMENTS 5-3-11
4-13-11	REVISED PER USACE COMMENTS 3-29-11
DATE	DESCRIPTION
REVISIONS	

GEOFFREY M. GOLL
 Professional Engineer
 VT Lic. No. 8650

PRINCETON HYDRO, LLC **PH**

SCIENTISTS AND ENGINEERS
 1108 OLD YORK ROAD, SUITE 1
 P.O. BOX 790
 RINDGE, NEW JERSEY 08551
 PHONE: 908.297.5860
 FAX: 908.237.5868
 WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
 MARSHFIELD DAM REMOVAL
 AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

DRAWING NAME:
 PROPOSED CONDITIONS PLAN

DATE:	05/27/2011
PROJECT NO.:	1107.001
SCALE:	AS SHOWN
DRAWN BY:	JMK/PW
CHECKED BY:	LW/GG

SHEET NO.:
 4 of 11

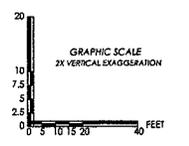
CALL BEFORE YOU DIG!
 VERMONT LAW REQUIRES
 TWO (2) WORKING DAYS NOTICE
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 Reference Vermont Statutes Title 30 Chapter 84
 and Public Service Board Rule 3.800
 Dig Safe System, Inc.
 1-888-364-7233

PROJECT NOTES

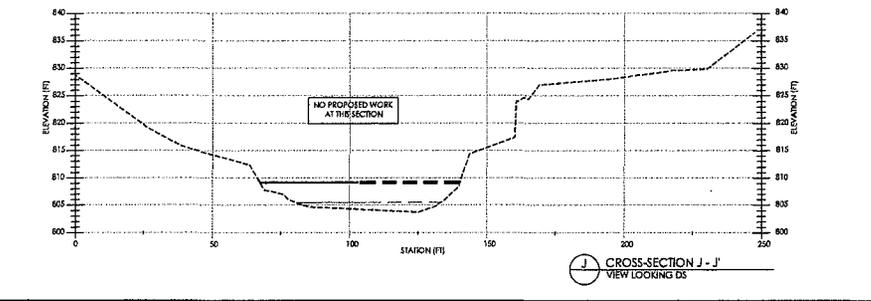
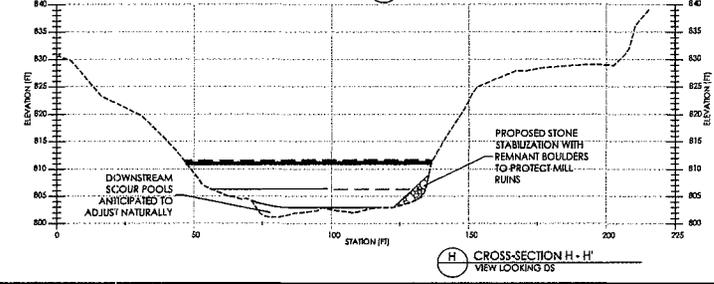
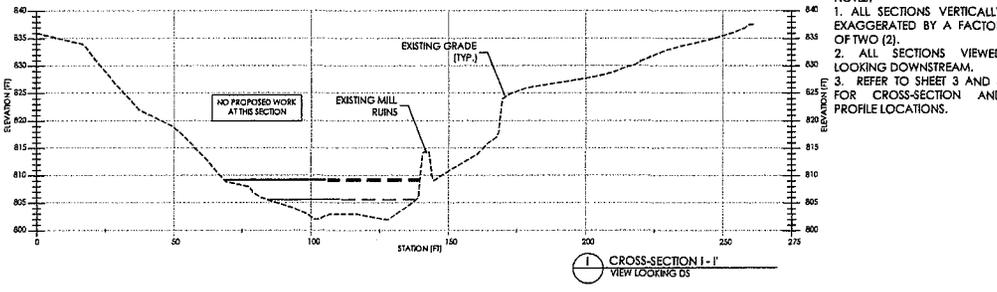
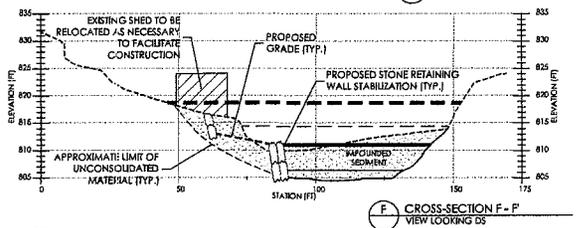
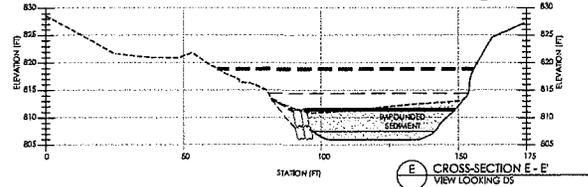
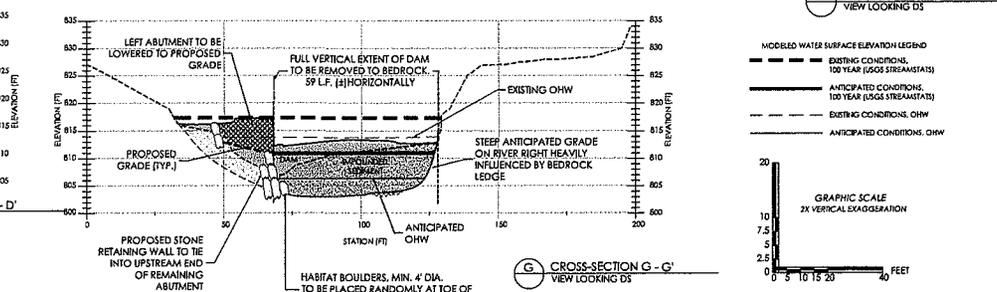
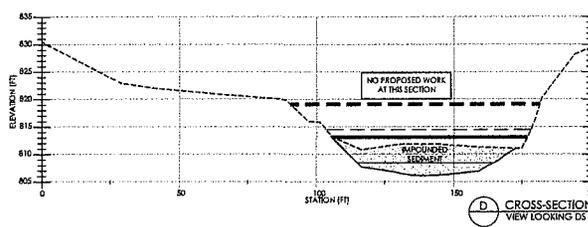
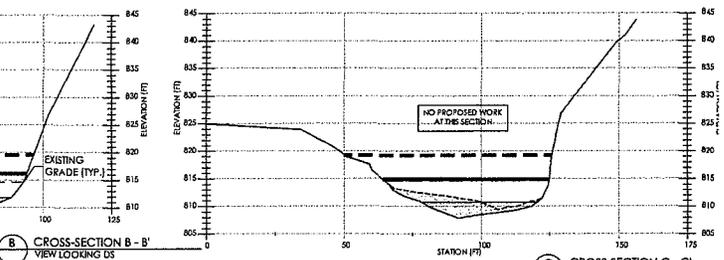
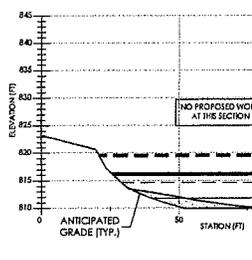
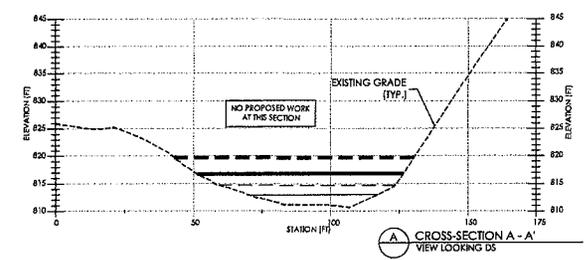
1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
2. DATA DISPLAYED IN VERMONT STATE PLANE FEET. HORIZONTAL DATUM IS NADES, VERTICAL DATUM IS TIGVD99.
3. PARCEL DATA OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION WEBSITE. TOWN OF MARSHFIELD, IDEAL FORM. PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY; PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
4. WETLAND DELINEATION COMPLETED BY ENV TECHNICAL SERVICES, LLC, DECEMBER 2010.

HYDRO WATER SURFACE ELEVATION LEGEND

- EXISTING CONDITIONS, 100 YEAR (S&S STREAMSTATS)
- - - ANTICIPATED CONDITIONS, 100 YEAR (S&S STREAMSTATS)
- EXISTING CONDITIONS, OHW
- - - ANTICIPATED CONDITIONS, OHW



- NOTES:**
1. ALL SECTIONS VERTICALLY EXAGGERATED BY A FACTOR OF TWO (2).
 2. ALL SECTIONS VIEWED LOOKING DOWNSTREAM.
 3. REFER TO SHEET 3 AND 4 FOR CROSS-SECTION AND PROFILE LOCATIONS.



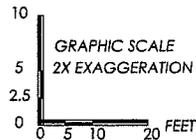
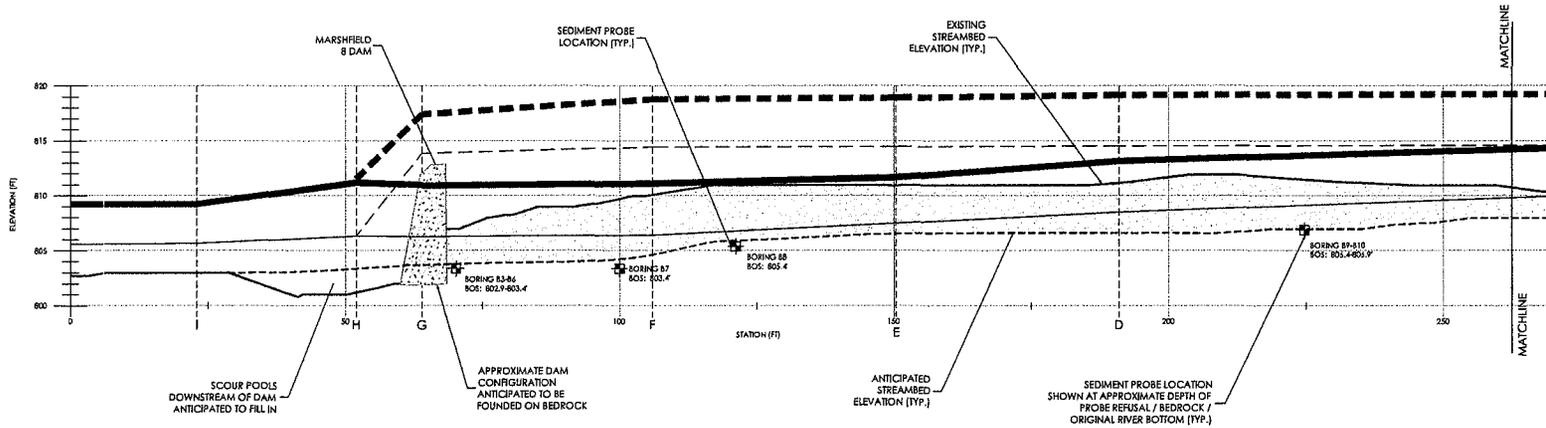
GEOFFREY M. GOLL
 Professional Engineer
 VT Lic. No. 8650

PRINCETON HYDRO, LLC
 SCIENTISTS AND ENGINEERS
 1108 OLD YORK ROAD, SUITE 1
 P.O. BOX 780
 RINDOES, NEW JERSEY 08851
 PHONE: 908.237.5680
 FAX: 908.237.5688
 WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
 MARSHFIELD 8 DAM REMOVAL
 AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

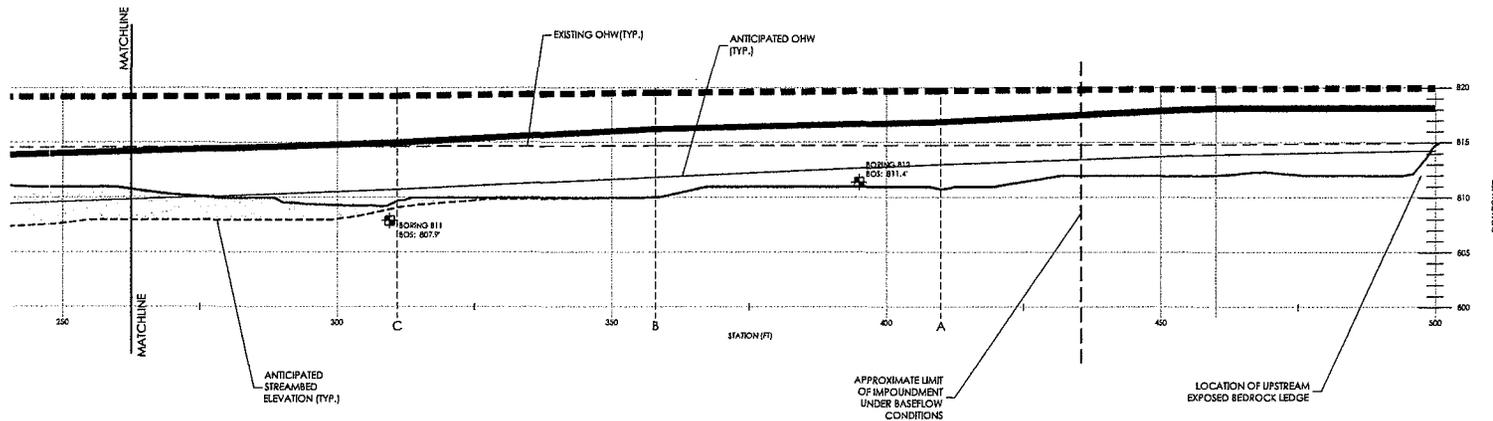
DRAWING NAME:
 CROSS-SECTIONS

DATE:	05/27/2011
PROJECT NO.:	1107-001
SCALE:	AS SHOWN
DRAWN BY:	JH/PP
CHECKED BY:	JH/GG
SHEET NO.:	5 of 11



- NOTES:
1. ALL SECTIONS VERTICALLY EXAGGERATED BY A FACTOR OF TWO (2).
 2. REFER TO SHEETS 3 AND 4 FOR CROSS-SECTION AND PROFILE LOCATIONS.

- MODELED WATER SURFACE ELEVATION LEGEND
- EXISTING CONDITIONS, 100 YEAR (USGS STREAMSTATS)
 - ANTICIPATED CONDITIONS, 100 YEAR (USGS STREAMSTATS)
 - - - EXISTING CONDITIONS, OHW
 - - - ANTICIPATED CONDITIONS, OHW



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 PRIOR TO CONSTRUCTION - STOP CALL
 Reference Vermont Statutes Title 26 Chapter 84
 and Public Service Board Rule 3.800
 Dig Safe System, Inc.
 1-888-364-7233

- PROJECT NOTES
1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
 2. DATA DISPLAYED IN VERMONT STATE PLANE FEET. HORIZONTAL DATUM IS NAD83; VERTICAL DATUM IS NGVD09.
 3. PARCEL DATA OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION WEBSITE, TOWN OF MARSHFIELD. ORIGINAL ECORNA PARCEL DATA IS INTENDED FOR PLANNING PURPOSES ONLY; PARCEL BOUNDARIES HAVE NOT BEEN VERIFIED BY PROFESSIONAL SURVEY.
 4. WETLAND DELINEATION COMPLETED BY ENVIRONMENTAL SERVICES, LLC, DECEMBER 2010.

5/27/11	REVISED PER USACE COMMENTS 5-3-11
4/13/11	REVISED PER USACE COMMENTS 3/29/11
DATE	DESCRIPTION

GEOFFREY M. GOLL
 Professional Engineer
 VT Lic. No. 8659

PRINCETON HYDRO, LLC **PH**

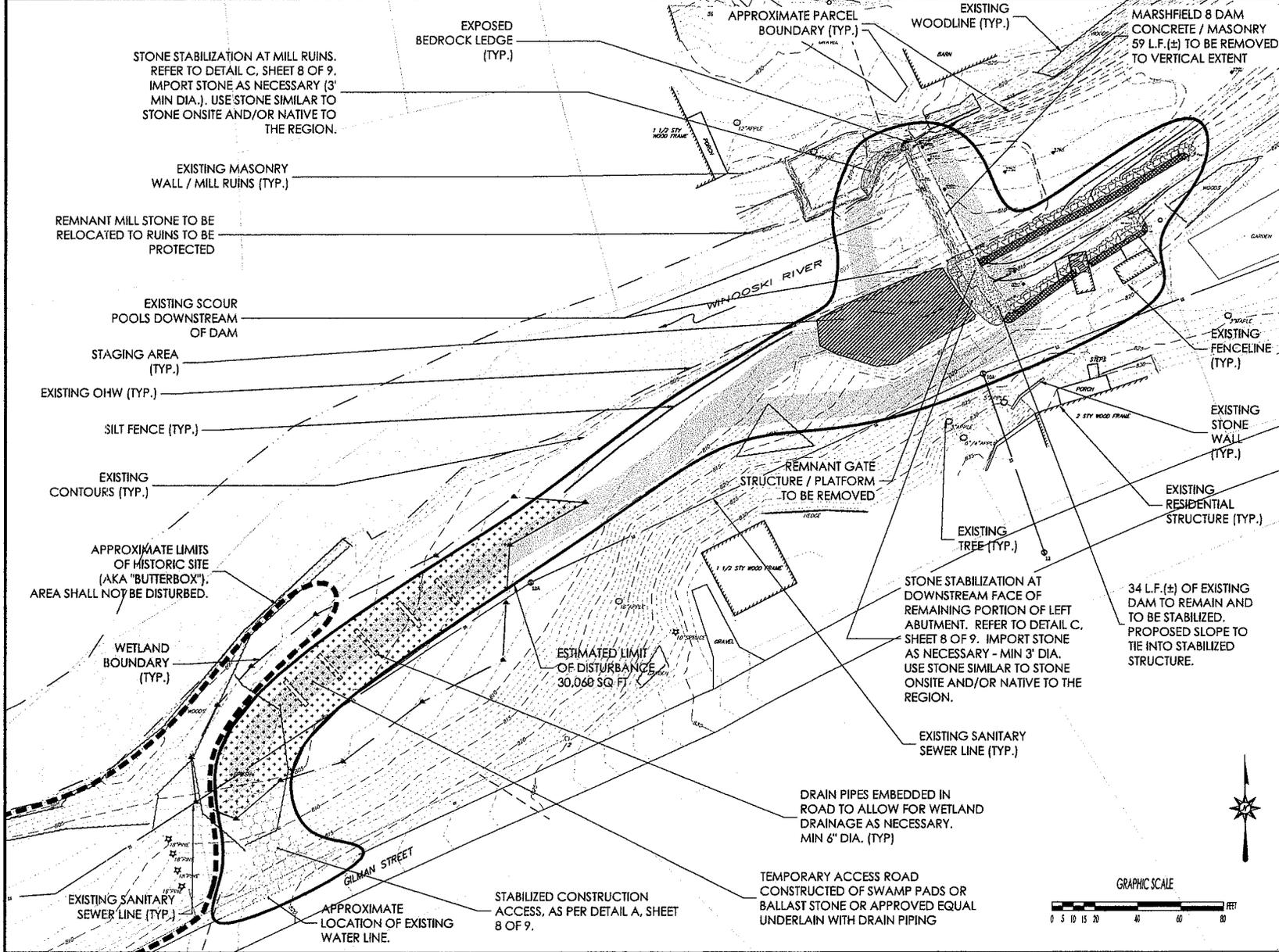
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 PHONE: 908.237.5880
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PROJECT NAME/LOCATION:
 MARSHFIELD B DAM REMOVAL
 AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

DRAWING NAME:
PROFILES

DATE:	05/27/2011
PROJECT NO.:	1107/001
SCALE:	AS SHOWN
DRAWN BY:	CP/ML
CHECKED BY:	LW/GC

SHEET NO.
6 OF **11**



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PROJECT NOTES

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4. WETLAND DELINEATION COMPLETED BY EY TECHNICAL SERVICES, LLC, DECEMBER 2010.

DATE	REVISION	DESCRIPTION
5-27-11	REVISED PER USACE COMMENTS 5-3-11	
4-13-11	REVISED PER USACE COMMENTS 3-28-11	

REVISIONS

GEOFFREY M. GOLL
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DATE _____

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PROJECT NAME/LOCATION:
 MARSHFIELD 8 DAM REMOVAL
 AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

DRAWING NAME:
 EROSION PROTECTION AND
 SEDIMENT CONTROL AND
 CONSTRUCTION PLAN

DATE:	05/27/2011
PROJECT NO.:	1107.001
SCALE:	AS SHOWN
DRAWN BY:	JLW/STW
CHECKED BY:	LW/GSG

SHEET NO. **7** OF **11**

CONSTRUCTION SEQUENCE FOR MARSHFIELD 8 DAM REMOVAL		DURATION WORK DAYS:
SITE PREPARATION	1 ALL CONSTRUCTION ACTIVITIES SHALL TAKE PLACE DURING LOW FLOW CONDITIONS TO ENSURE SAFE WORK CONDITIONS. COORDINATE WITH JOHN VOYER (GREEN MOUNTAIN POWER) AND BRIAN FITZGERALD (VT ANR, 802-241-3445) TO SCHEDULE HYDROPOWER RELEASE OUTSIDE OF WORK PERIOD.	---
	2 INSTALL ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS NEEDED, INCLUDING CONSTRUCTION ACCESS, SILT FENCE, TREE PROTECTION, AND CONSTRUCTION FENCING.	2
SEDIMENT MANAGEMENT	3 DUE TO MINIMAL SEDIMENT QUANTITY (APPROX. 2,375 CY) AND LOW CONCENTRATIONS OF CONTAMINANTS, IMPOUNDED SEDIMENTS WILL NOT NEGATIVELY IMPACT DOWNSTREAM REACHES. THEREFORE, IMPOUNDED SEDIMENTS WILL BE ALLOWED TO MIGRATE DOWNSTREAM AS THE STREAM BED RE-ADJUSTS FOLLOWING DAM REMOVAL.	---
ACCESS & STABILIZE MILL RUINS	4 BUILD TEMPORARY ACCESS ROAD FROM LEFT BANK ACROSS STREAM DOWNSTREAM OF THE DAM TO ACCESS FORMER MILL RUINS ON RIGHT BANK. STABILIZE MILL RUINS WITH IMPORTED STONES (MIN DIA. 3').	2
	5 RE-USE ACCESS ROAD MATERIALS AND BUILD TEMPORARY ACCESS ROAD UP TO AND AROUND EXISTING DAM ABUTMENT ON LEFT BANK. BUILD ROAD OUT TO RIGHT BANK.	1
DAM DEMOLITION	6 DEMOLISH AND REMOVE DAM FRAGMENTS PROGRESSING FROM RIGHT BANK TO LEFT BANK. DEMOLITION SHALL BE PROGRESSED USING BACKHOE OR OTHER MACHINERY WITH HAMMER ATTACHMENT AS NEEDED. REMOVE TEMPORARY ACCESS ROAD AS DAM IS REMOVED. ONCE COMPLETED, EQUIPMENT SHALL NOT CROSS CHANNEL AGAIN. STOCKPILE STONE AS PER DETAIL.	5
DAM REMOVAL / CONSTRUCTION	7 REMOVE TOP LAYER OF DAM ABUTMENT ON LEFT BANK TO PROPOSED ELEVATION (APPROX. 811.0). STOCKPILE MATERIAL AT BASE OF ABUTMENT.	2
RELOCATE SHED	8 REMOVE WOOD FRAMED SHED TO TEMPORARY LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING SHED INTO PLACE WITHOUT CAUSING STRUCTURAL DAMAGE. CLEAR VEGETATION AS NECESSARY AND PREPARE SITE FOR REGRADING.	1
BUILD LOWER STONE WALL	9 AS PER GRADING PLAN AND DETAIL D, USE STONE FROM DAM TO BUILD STONE WALL AS LEFT BANK. MATERIAL UNSUITABLE FOR USE AS BACKFILL SHALL BE EXCAVATED AND REPLACED WITH CLEAN FILL AS NECESSARY.	3
BUILD UPPER STONE WALL	10 USE STONE FROM DAM TO BUILD UPPER WALL AS PER DETAIL D. FINALIZE GRADING AND STABILIZE SLOPES AS PER PROPOSED CONDITIONS.	3
MODIFY BASE OF ABUTMENT	11 STABILIZE REMAINING ABUTMENT ON LEFT BANK WITH IMPORTED STONE (MIN. DIA. 3'). NO CONCRETE SHALL REMAIN EXPOSED AT THE SURFACE.	1
RESTORE SITE & DEMOBILIZE	12 MOVE SHED TO PERMANENT LOCATION AND FINALIZE GRADING. REMOVE TEMPORARY ACCESS ROAD. RE-SEED, RESTORE AND STABILIZE AS NECESSARY TO RETURN ALL DISTURBED AREAS TO ORIGINAL PRE-CONSTRUCTION CONDITION. REMOVE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES.	3
TOTAL DAYS:		23

PLANT LIST			
WILDFLOWER GARDEN SEED		534 SQUARE FEET	
BOTANICAL NAME	SPECIES NAME	APPROXIMATE RATE (LBS PURE LIVE SEED/ACRE)	WEILAND INDICATOR STATUS
ASCLEPIAS SYRIACA	COMMON MILKWEED	1/4	-
ASTER LATERIFLORUS	CALICO ASTER	1	FACW-
COREOPSIS LANCEOLATA	LANCE LEAVED COREOPSIS	10	FACU
HELIOPSIS HELIANTHOIDES	OX EYE SUNFLOWER	1/8	-
PENSTAMON DIGITALIS	TALL WHITE BEARD TONGUE	2	FAC
RUDBECKIA HIRTA	BLACK EYED SUSAN	3/4	FACU-
SENNA HEBECARPA	WILD SENNA	10	FAC
VERBENA HASTATA	BLUE VERVAIN	2	FACW+
MONARDA FISTULOSA	WILD BERGOMOT	1/2	UPL
PENSTEMON DIGITALIS	FOXGLOVE BEARDTONGUE	3/4	FAC
WETLAND SEED		5,636 SQUARE FEET	
TO BE SOWN OVER ENTIRE DISTURBED WETLAND AREA.			
BOTANICAL NAME	SPECIES NAME	APPROXIMATE RATE (LBS PURE LIVE SEED/ACRE)	WEILAND INDICATOR STATUS
ELYMUS RIPARIUS	RIVERBANK WILD RYE	1/2	FACW
HELENIUM AUTUMNALE	HELEN'S FLOWER	2	FACW+
JUNCUS EFFUSUS	SOFT RUSH	1	FACW+
PANICUM DICHOTOMIFLORUM	SMOOTH PANIC GRASS	5	FACW-
PANICUM VIRGATUM	SWITCH GRASS	3	FAC
POLYGONUM PENNSYLVANICUM	PENNSYLVANIA SMARTWEED	2	FACW
SCIRPUS ATROVIRENS	GREEN BULRUSH	2	OBL
VERBENA HASTATA	BLUE VERVAIN	2	FACW+
POLYGONUM PENNSYLVANICUM	PENNSYLVANIA SMARTWEED	2	FACW
WETLAND TREES AND SHRUBS		5,636 SQUARE FEET	
SPACE PLANTS 10 FEET ON CENTER OVER ENTIRE DISTURBED WETLAND AREA.			
BOTANICAL NAME	SPECIES NAME	PLANTING TYPE:	WEILAND INDICATOR STATUS QUANTITY:
ACER SACCHARINUM	SILVER MAPLE	2 GALLON	FACW 5
ARONIA ARBUTIFOLIA	RED CHOKEBERRY	1 GALLON	FACW 5
CORNUS SERICEA	REDOSIER DOGWOOD	1 GALLON	FACW+ 10
ILEX VERICILLATA	WINTERBERRY HOLLY	1 GALLON	FACW+ 10
PHYSCARPUS OPULIFOLIUS	COMMON NINEBARK	1 GALLON	FACW 10
QUERCUS PALUSTRIS	PIN OAK	2 GALLON	FACW 5
SALIX NIGRA	BLACK WILLOW	2 GALLON	FACW+ 5
VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	1 GALLON	FAC 10
LAWN		11,124 SQUARE FEET	
ALL DISTURBED AREAS OUTSIDE OF THE WEILAND AND WILDFLOWER GARDEN AREAS TO BE SOWN WITH LAWN SEED.			
BOTANICAL NAME	SPECIES NAME	APPROXIMATE RATE (LBS PURE LIVE SEED/ACRE)	WEILAND INDICATOR STATUS:
FETUCA BREVIPIILA	HARD FESCUE	120	-
LOLIUM PERENNE	PERENNIAL RYEGRASS	30	-
POA PRATIENSIS	KENTUCKY BLUEGRASS	40	-

REFER TO SHEET 7 FOR PLANS

CALL BEFORE YOU DIG!
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PROJECT NOTES

1. TOPOGRAPHIC SURVEY PROVIDED IN DIGITAL FORMAT FROM VERMONT SURVEY AND ENGINEERING, INC., NOVEMBER 14, 2010.
2. DATA DISPLAYED IN VERMONT STATE PLANE FEET. HORIZONTAL DATUM IS NAD83. VERTICAL DATUM IS NAVD83.
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4. WEILAND DEMONSTRATION COMPLETED BY EBY TECHNICAL SERVICES, LLC, DECEMBER 2010.

5/27/11	REVISED PER USACE COMMENTS 5-8-11
4/13/11	REVISED PER USACE COMMENTS 3-28-11
DATE	DESCRIPTION
REVISIONS	

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PROJECT NAME/LOCATION:
 MARSHFIELD 8 DAM REMOVAL AND RIVER RESTORATION
 TOWN OF MARSHFIELD
 WASHINGTON COUNTY, VERMONT

DRAWING NAME:
 EROSION PROTECTION AND AND SEDIMENT CONTROL AND CONSTRUCTION PLAN DETAILS

DATE:	05/27/2011
PROJECT NO.:	1107.001
SCALE:	AS SHOWN
DRAWN BY:	JFP/W
CHECKED BY:	LW/GGS

SHEET No.
 8 OF 11

BEST MANAGEMENT PRACTICES FOR PROTECTION OF THE ENVIRONMENT

1. NO CONSTRUCTION SHALL PROCEED UNTIL PROPER SEDIMENTATION AND EROSION CONTROL METHODS HAVE BEEN INSTALLED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES
 2. NO EQUIPMENT, MATERIALS, OR MACHINERY SHALL BE STORED, CLEANED, REFUELED, MAINTAINED, OR REPAIRED WITHIN TWENTY-FIVE (25) FEET OF ANY WETLAND OR WATERCOURSE.
 3. NO CONSTRUCTION SHALL PROCEED UNTIL A METHOD TO PREVENT CONSTRUCTION DEBRIS OR OTHER MATERIALS FROM ENTERING THE WETLAND OR WATERCOURSE HAS BEEN IMPLEMENTED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES. THESE MATERIALS SHALL BE COLLECTED AND DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AS DETERMINED BY FEDERAL, STATE, AND LOCAL LAWS AT NO ADDITIONAL COST TO THE OWNER. THE APPLICANT SHALL MONITOR WIND VELOCITIES AND STORM EVENTS DURING THE CONDUCT OF SUCH WORK, AND SHALL CAUSE SUCH ACTIVITY TO CEASE IF STORM OR WIND CONDITIONS THREATEN TO CAUSE DEPOSITS OF MATERIALS IN THE WATERWAY.
 4. NO OBJECTIONABLE MATERIALS RESULTING FROM ANY CLEARING ACTIVITY SHALL BE DISPOSED OF IN ANY WETLAND OR WATERCOURSE. THIS INCLUDES ORGANIC AND NON-ORGANIC DEBRIS. POTENTIAL ON-SITE REUSE SUCH AS HABITAT ENHANCEMENT SHALL BE APPROVED BY PROJECT ENGINEER AND REGULATORY AGENCIES.
 5. NO FILL OR MATERIAL SHALL BE DEPOSITED IN SURROUNDING WETLANDS OR WATERCOURSES, UNLESS SPECIFIED ON THE CONTRACT DRAWINGS.
 6. A WATER HANDLING PLAN INCLUDING A CONTINGENCY PLAN FOR FLOOD EVENTS SHALL BE IMPLEMENTED AS SEQUENCE OF CONSTRUCTION NECESSITATES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION IN THE WATERWAY. AT ALL TIMES, WATER SHALL BE KEPT DEEP ENOUGH IN THE CHANNEL TO ALLOW THE PASSAGE OF FISH AND CONTINUOUS FLOW OF THE WATERCOURSE WHEREVER NECESSARY.
 8. WORK WITHIN AND ADJACENT TO WATERCOURSES SHALL BE CONDUCTED DURING PERIODS OF LOW FLOW, WHENEVER POSSIBLE. THE APPLICANT SHALL REMAIN AWARE OF FLOW CONDITIONS DURING THE CONDUCT OF SUCH WORK, AND SHALL CAUSE SUCH ACTIVITY TO CEASE SHOULD FLOW CONDITIONS THREATEN TO CAUSE EXCESSIVE EROSION, SILTATION OR TURBIDITY. DURING STORMS EVERY EFFORT SHALL BE TAKEN TO SECURE THE WORK SITE.
 9. ALL TEMPORARY FILL, SUCH AS THAT USED FOR PERMITTED ACCESS ROADS AND/OR COFFERDAMS, SHALL BE PROPERLY STABILIZED DURING USE TO PREVENT EROSION, AND, WHEN NO LONGER NEEDED, MUST BE DISPOSED OF AT AN UPLAND SITE, AND SUITABLY CONTAINED TO PREVENT TURBID RUNOFF FROM REENTERING A WETLAND OR WATERCOURSE. ALL AREAS AFFECTED BY TEMPORARY FILLS MUST BE RESTORED TO THEIR ORIGINAL CONTOURS, AND REVEGETATED WITH SUITABLE VEGETATION. THE AREA EXTENT OF TEMPORARY FILL OR EXCAVATION SHALL BE MINIMIZED TO THAT AREA NECESSARY TO PERFORM THE REQUIRED WORK.
- DUMPING OF OIL OR OTHER DELETERIOUS MATERIALS ON THE GROUND IS FORBIDDEN. THE APPLICANT SHALL PROVIDE A MEANS OF CATCHING, RETAINING, AND PROPERLY DISPOSING OF DRAINED OIL, REMOVED OIL FILTERS, OR OTHER DELETERIOUS MATERIAL. ALL OIL SPILLS SHALL BE REPORTED IMMEDIATELY TO THE VT ANR WASTE MANAGEMENT DIVISION EMERGENCY HAZARDOUS MATERIALS SPILL REPORTING HOTLINE (802-241-3888) ON WEEKDAYS FROM 7:45 AM - 4:30PM OR, AT ALL OTHER TIMES, TO THE 24-HOUR STATE POLICE DISPATCH (1-800-641-5005). FAILURE TO DO SO MAY RESULT IN THE IMPOSITION OF A FINE.
10. EVERY PRECAUTION SHALL BE USED WHILE WORKING IN THE VICINITY OF A WATERWAY TO PREVENT AND MINIMIZE DEGRADATIONS OF THE EXISTING WATER QUALITY. ALL ACTIVITIES SHALL CONFORM AND BE AT ALL TIMES CONSISTENT WITH APPLICABLE WATER QUALITY STANDARDS, AND MANAGEMENT PRACTICES OF THE FEDERAL CLEAN WATER ACT (1972), VERMONT'S WATER QUALITY STANDARDS AND OTHER APPLICABLE STATE LAWS.
 13. ALL EQUIPMENT BEING USED IN OR AROUND THE WATER SHALL BE FREE OF LEAKS INCLUDING BUT NOT LIMITED TO OIL, HYDRAULIC FLUIDS, RADIATOR FLUIDS, GREASE, AND FUEL. ALL EQUIPMENT TO BE USED IN THE WATER SHALL BE APPROVED BY THE ENGINEER. THE ENGINEER HAS THE AUTHORITY TO ORDER THE CONTRACTOR TO REMOVE ANY EQUIPMENT FROM THE WATER THAT THE ENGINEER FEELS IS DETRIMENTAL TO THE ENVIRONMENT.
 14. SHOULD ANY EQUIPMENT BREAKDOWN IN THE WATER, THE CONTRACTOR SHALL HAVE A PLAN TO IMMEDIATELY REMOVE THE EQUIPMENT.

DEMOLITION

1. EXCAVATE, REMOVE, AND DISPOSE OF EXISTING DAM STRUCTURES INCLUDING BUT NOT LIMITED TO CONCRETE STRUCTURES, TIMBER CRIBBING, TIMBER DECKING, REINFORCING, GROUTED RIPRAP, AND RETAINING WALLS AND STONE MASONRY RETAINING WALLS AS SHOWN ON THE PLANS.
2. REINFORCED CONCRETE, TIMBER CRIBBING, TIMBER DECKING AND ALL STRUCTURE ASSOCIATED WITH THE DAM AND THE DAM FRAGMENTS SHALL BE REMOVED AND DISPOSED OF OFF SITE.
3. MEASUREMENT AND PAYMENT FOR DEMOLITION WILL BE AT A CONTRACT LUMP SUM AND SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL DEBRIS INCLUDING CONCRETE STRUCTURES, REINFORCING, STONE MASONRY, FLASH BOARDS, TIMBER CRIBBING AND DECKING FROM THE TWO DAMS.

EMERGENCY OPERATION PLAN DURING CONSTRUCTION

1. THIS EMERGENCY OPERATION PLAN IS DESIGNED TO PROVIDE THE CONTRACTOR GUIDELINES DURING A FLOOD OR A THREATENING FLOOD PERIOD IN ORDER TO PROTECT THE SURROUNDING COMMUNITY.
2. THE CONTRACTOR SHALL MONITOR THE WEATHER FORECASTS AND PLAN CONSTRUCTION ACCORDINGLY.
3. IF THE WEATHER FORECASTS SHOULD INDICATE THE POSSIBILITY OF A MAJOR STORM SYSTEM WITHIN 24 TO 48 HOURS, THE CONTRACTOR SHOULD PLAN FOR THE POSSIBILITY OF HIGH WATER LEVELS AT THE SITE. ALSO, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER.
4. IF A SIGNIFICANT RAINFALL OCCURS, IN EXCESS OF 3 INCHES OF RAINFALL, THE CONTRACTOR SHOULD CONTACT THE CLIENT, MAINTAIN SURVEILLANCE OF THE SITE, AND RECORD WATER LEVEL READINGS EVERY TWO (2) HOURS.
5. IF THE WATER LEVELS ON SITE RISE TO POTENTIALLY UNSAFE LEVELS, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, CONSTRUCTION MATERIALS (I.E. FUELS, SOLVENTS, HYDRAULIC FLUIDS, EXPLOSIVES, ETC.) AND STOCKPILES FROM THE FLOODPLAIN AND ALERT THE APPROPRIATE PROJECT PERSONNEL AND LOCAL AUTHORITIES OF A POTENTIAL EMERGENCY.
6. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT EQUIPMENT AND MANPOWER AT THE SITES IN ORDER TO REACT TO A FLOODING EMERGENCY.
7. COMPENSATION: IN CASE OF EMERGENCY, AS DETERMINED BY THE ENGINEER OR OWNER, THE CONTRACTOR SHALL BE COMPENSATED FOR THE EXTRA WORK BY MEANS OF A CHANGE ORDER PER CONTRACT CONDITIONS.

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Reference Vermont Statutes Title 30 Chapter 84
and Public Service Board Rule 3.800
Dig Safe System, Inc.
1-888-364-7233

PROJECT NOTES

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4. WETLAND DELINEATION COMPLETED BY EIV TECHNICAL SERVICES, LLC, DECEMBER 2010.

5-27-11	REVISED PER USACE COMMENTS 5-3-11
4-13-11	REVISED PER USACE COMMENTS 5-28-11
DATE	DESCRIPTION
REVISIONS	

GEOFFREY M. GOLL
Professional Engineer
VT Lic. No. 8650



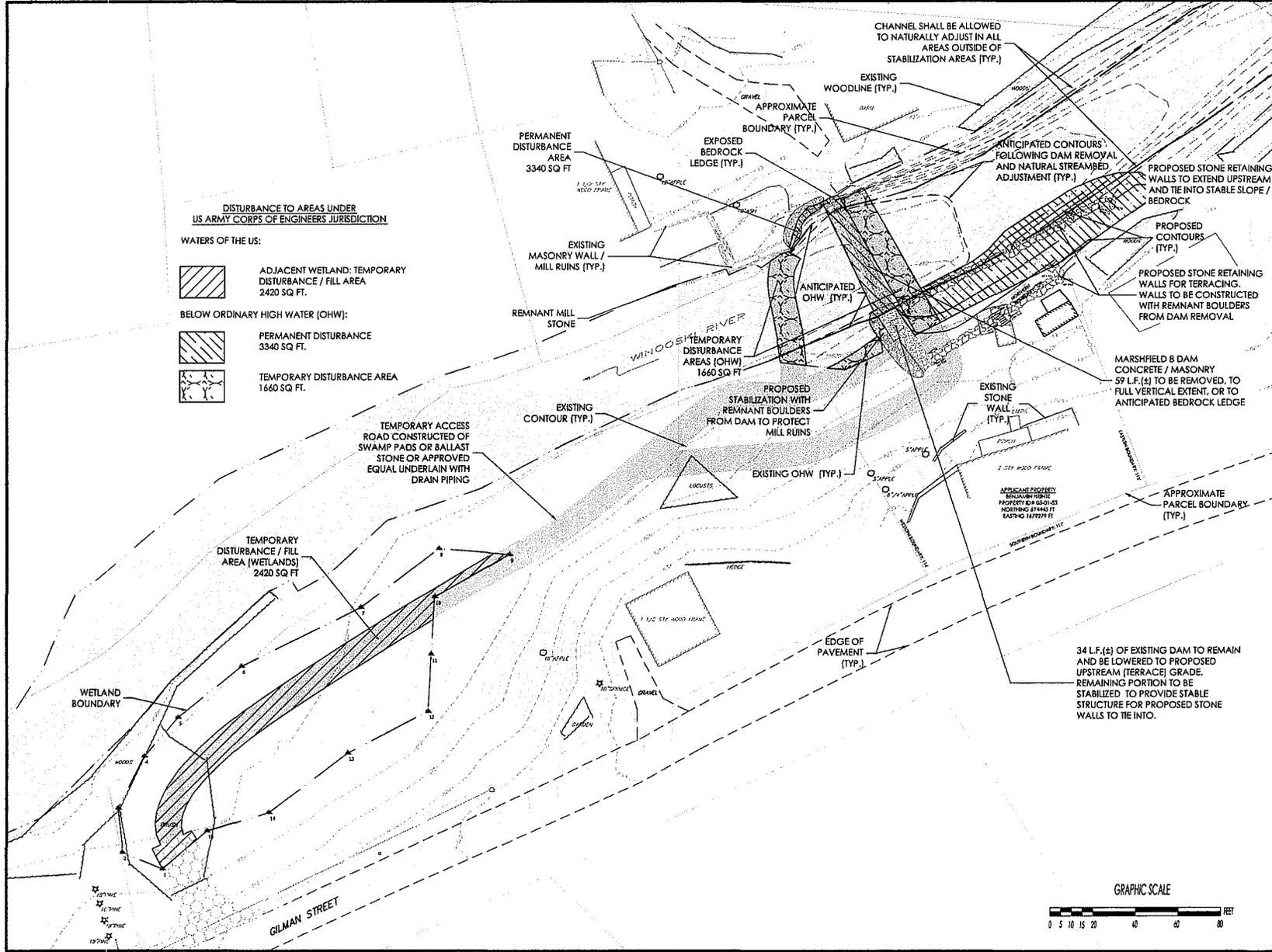
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PROJECT NAME/LOCATION:
MARSHFIELD 8 DAM REMOVAL
AND RIVER RESTORATION
TOWN OF MARSHFIELD
WASHINGTON COUNTY, VERMONT

DRAWING NAME:
EROSION PROTECTION AND
SEDIMENT CONTROL AND
CONSTRUCTION DETAILS / NOTES

DATE	05/27/2011
ISSUANCE NO.	1107/001
SCALE	AS SHOWN
DRAWN BY	JH/PJW
CHECKED BY	LW/GCC

SHEET NO. 10 OF 11



DISTURBANCE TO AREAS UNDER US ARMY CORPS OF ENGINEERS JURISDICTION

WATERS OF THE US:

-  ADJACENT WETLAND: TEMPORARY DISTURBANCE / FILL AREA 2420 SQ FT.
-  BELOW ORDINARY HIGH WATER (OHW): PERMANENT DISTURBANCE 3340 SQ FT.
-  TEMPORARY DISTURBANCE AREA 1660 SQ FT.

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PROJECT NOTES

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4. WETLAND DELINEATION COMPLETED BY ENVIRONMENTAL SERVICES, LLC, DECEMBER 2010.

DATE	DESCRIPTION
5-27-11	REVISED PER USACE COMMENTS 5-3-11
4-15-11	REVISED PER USACE COMMENTS 3-28-11

REVISIONS

GEOFFREY M. GOLL
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VT Lic. No. 8650

DATE _____

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PROJECT NAME/LOCATION:
MARSHFIELD 8 DAM REMOVAL
AND RIVER RESTORATION
TOWN OF MARSHFIELD
WASHINGTON COUNTY, VERMONT

DRAWING NAME:
REGULATORY CONSTRAINTS PLAN

DATE:	05/27/2011
DRAWN BY:	MR/CP
CHECKED BY:	MJ/GG

SHEET NO. **11** OF **11**

GRAPHIC SCALE
0 5 10 20 40 60 80 FEET