



# PUBLIC NOTICE

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

Comment Period Begins: August 10, 2010  
Comment Period Ends: October 14, 2010  
File Number: NAE-2004-2762  
In Reply Refer To: Marty Abair  
Phone: (802) 872-2903  
E-mail: Martha.a.abair@usace.army.mil

DUE TO A WEB FAILURE THE COMMENT PERIOD HAS BEEN EXTENDED 30 DAYS

## REVISED PUBLIC NOTICE

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: Vermont Agency of Transportation, ATTN: Mr. Kenneth Robie, P.E., Project Manager, 1 National Life Drive, Drawer 33, Montpelier, Vermont 05633**

**ACTIVITY:** Place fill in waters of the United States in conjunction with the construction of transportation improvements in the vicinity of Williston and Essex Junction, Vermont. The project corridor is known as the Circ-Williston corridor. The purpose of the project is to improve access to, from, and within the project area and remedy existing and projected deficiencies including congestion, safety and mobility issues (including movement of both people and goods) in the Circ-Williston corridor.

The project is the subject of an Environmental Impact Statement (EIS) being prepared by the Federal Highway Administration (FHWA) and the Vermont Agency of Transportation (VTrans) with the Corps of Engineers as a cooperating agency. The Draft Environmental Impact Statement (DEIS) was published on August 10, 2007. The Final Environmental Impact Statement (FEIS) was published on July 13, 2010. The FEIS is available for review on the project website at <http://www.circeis.org>. The FEIS also is available for viewing at the main public libraries in Burlington, Colchester, Essex, Essex Junction, and Williston; at the FHWA office, Room 216, 87 State Street in Montpelier; and at the VTrans project office at 20 Kimball Avenue, Suite 301, South Burlington. (Please contact Ken Robie at 802 828-2645 to ensure that the VTrans South Burlington office is open when you wish to visit.)

A Public Notice soliciting comments on the proposed project was issued on September 11, 2007. Since the 2007 Public Notice, additional aquatic resources associated with Alternative 17 were identified, and Alternative 17 has been refined to minimize impacts to aquatic resources north of Mountainview Road. As currently configured, Alternative 17 will directly impact about 21.8 acres of wetland and about 6255 linear ft. of stream, and this alternative has been identified as the least environmentally damaging practicable alternative. The work is described on the enclosed undated plans, in eleven sheets, entitled "Circ-Williston Transportation Project Section 404 Permit Application."

Three potential mitigation sites were identified in the original Public Notice. Only one of the three potential mitigation sites described in the original Public Notice - the Lemire site - is still being considered as mitigation. Four additional wetland mitigation sites and three stream mitigation sites have been identified. **The purpose of this revised Public Notice is to seek public comment on the proposed mitigation.**

## **Proposed Wetland Mitigation**

### **Site 13 (Vongal Property)**

Site 13 is located in the Town of Essex and is bounded to the west by Old Stage Road and to the east by Towers Road. It is adjacent to a forested wetland to the south. Other advantages of the 128.3 acre site include widespread groundwater discharge, several streams/ditches, and mapped floodplains along one of the streams (0.2 percent annual chance flood hazard area).

The proposed hydrologic modifications for Site 13 involve plugging of ditches and the filling of one ditch with an adjacent berm. The proposed planting plan would create a mosaic of successional habitats. Approximately 58 acres would be planted to a red maple/black ash swamp, including a vernal pool habitat corridor. Two methods of Reed Canary Grass (RCG) control are proposed: a warm season grass/herbaceous meadow community and a dense live stake shrub community. These two communities are designed to out-compete the existing RCG monoculture and allow for natural succession and plant dispersal from adjacent forested wetlands and the planted red maple/black ash swamp. A riparian corridor planting is planned along a headwater tributary of Alder Brook and upland inclusions within the wetland enhancement area would be planted to forested and successional shrub communities.

The control of RCG is a major factor in the success of the site's planting plan. A RCG control strategy is being developed which uses specifically timed uses of herbicide, tillage and seeding/planting to break up the life cycle, weaken or kill existing root stock and exhaust the seed bank so that the RCG monoculture subsides to native plant communities.

The conceptual plan for Site 13 would provide approximately 59.7 acres of forested wetland enhancement (including riparian corridor plantings). Approximately 39.4 acres of emergent/scrub-shrub wetlands would be enhanced.

### **Site 14 (Basiliere, Darling and Quintin)**

Site 14 is located in the Town of Essex, on the opposite side of Towers Road from Site 13. Alder Brook and a tributary to Alder Brook run through a portion of the site, which includes extensive areas of mapped 100-year floodplain. The 57.7 acre site is adjacent to a large forested habitat block to the north and a wetland along Alder Brook to the south. The proposed concept plan for Site 14 involves ditch plugs along the tributary to Alder Brook and the removal of field crowning and swales. As with Site 13, two methods of Reed Canary Grass (RCG) control are proposed: a warm season grass/ herbaceous meadow community and a dense live stake shrub community. Forested riparian corridor plantings are proposed along Alder Brook and the tributary to Alder Brook and vernal pool creation is proposed near the forested habitat area at the north end of the site. Approximately 19.8 acres would be planted for a red maple/black ash swamp.

The conceptual plan for Site 14 would provide a total of 28.3 acres of forested wetland enhancement. Approximately 19.2 acres of emergent/scrub-shrub wetlands would be enhanced.

### **Site 27 (Conant Property)**

Site 27 is located in the Town of Williston, to the east of North Williston Road, and north of Governor Chittenden Road. The 41.8 acre site is located in the headwaters of the Allen Brook watershed and is adjacent to a large forested habitat area that includes deer wintering habitat. There is also a pond surrounded by a shrub swamp to the east of the site. The site is actively farmed and was treated with glyphosate in 2009, resulting in there currently being virtually no reed canary grass present. The proposed concept plan for Site 27 involves ditch plugs and the removal of swales. As with Site 13, two methods of Reed Canary Grass (RCG) control are proposed: a warm season grass/herbaceous meadow community and a dense live stake shrub community. Riparian corridor plantings and approximately 11.2 acres of red maple/black ash swamp would be planted. Vernal pool creation is proposed for areas near the existing forested habitat area.

The conceptual plan for Site 27 would provide a total of 18.7 acres of forested wetland enhancement. Approximately 16 acres of emergent/scrub-shrub wetlands would be enhanced.

### **Proposed Stream Mitigation**

The proposed compensatory stream mitigation consists of replacing three culverts with bridges along Allen Brook: two on Talcott Road and one on Old Stage Road. In addition to addressing direct and secondary stream impacts, the stream mitigation package will also serve as phosphorus loading offset for the project by eliminating stream geomorphic conditions contributing to excessive erosion.

The existing culverts were assessed using the VT DEC Bridge and Culvert Assessment Protocol (2009). The assessment methodology ranks individual road crossings according to the extent to which they impede migration of aquatic organisms, impede sediment and debris transport, affect channel hydraulics and exacerbate channel instability. Five variables (i.e., percent bankfull width, sediment and debris continuity, slope, approach angle, and bank erosion) are each scored on a scale from 0 to 5, with 5 indicating full geomorphic compatibility between the structure and the channel and 0 indicating complete in compatibility due to a strong departure from a natural condition. The maximum possible score is 25.

### **Old Stage Road**

With a cumulative score of 9, this culvert is “mostly incompatible” with its stream. With a score of 1, the culvert’s width with respect to the channel width poses a high chance of constricting water flow up to the bankfull during a storm event. The stream approach to the culvert consists of a sharp bend which poses the high risk of causing a disruption of natural processes and culvert failure. The culvert slope is slightly lower than the channel slope. Without improvements, the slope difference would continue to increase stream transport and water velocities, which could lead to increased downstream scour. As it stands, downstream scouring is currently evident. With bank erosion high on the downstream side and low on the upstream, the existing conditions suggest that a more systemic erosion problem exists. The mitigation plan proposes a bridge span of 36’, which accommodates approximately 140% of the natural bankfull channel width. The span provides overbank floodplain areas, restoring some terrestrial wildlife connectivity and fully restoring the connectivity of geomorphic processes and aquatic habitats within this reach of Allen Brook.

**Talcott Road Upstream**

With a cumulative score of 14, this culvert is considered “partially compatible” with its stream. With a score of 2, the culvert’s width with respect to the channel width poses a high chance of constricting water flow up to the bankfull during a storm event. The stream approach to the culvert consists of a mild bend and sediment deposition can be found within the culverts themselves in low amounts. The culvert slope is slightly higher than that of the channel. Without improvements, the slope difference will continue to increase stream transport and water velocities, which could lead to increased downstream scour. With bank erosion low on the upstream side, it suggests the beginning of a long-term problem and possible incompatibility. The mitigation plan proposes a bridge span of 46’, which accommodates approximately 140% of the natural bankfull channel width. The span provides overbank floodplain areas, restoring some terrestrial wildlife connectivity and fully restoring the connectivity of geomorphic processes and aquatic habitats within this reach of Allen Brook.

**Talcott Road Downstream**

With a cumulative score of 9, this culvert is considered “mostly incompatible” with its stream. With a score of 2, the culvert’s width with respect to the channel width poses a high chance of constricting water flow up to the bankfull during a storm event. The stream approach to the culvert consists of a sharp bend which poses the high risk of causing a disruption of natural processes and culvert failure. The culvert slope is slightly lower than the channel slope on the right culvert and slightly higher than the channel slope on the left culvert. Without improvements, the slope difference would continue to increase stream transport and water velocities, which could lead to increased downstream scour. With failing armor and low bank erosion on the upstream, the existing conditions suggest that a more systemic erosion problem exists. The mitigation plan proposes a bridge span of 50’, which accommodates approximately 140% of the natural bankfull channel width. The span provides overbank floodplain areas, restoring some terrestrial wildlife connectivity and fully restoring the connectivity of geomorphic processes and aquatic habitats within this reach of Allen Brook.

**Upland Wildlife Habitat Preservation**

The applicants propose to compensate for upland wildlife habitat impacts through the preservation of a 237-acre forested parcel in Jericho. The site is located within the Winooski River watershed portion of the Champlain Valley biophysical region and is in close proximity to the project area (approximately three miles east of the existing VT 117/VT 289 interchange). The site is adjacent to conserved land (the University of Vermont's Jericho Research Forest) and is under development pressure. The site provides high quality wildlife habitat, including deer wintering habitat, and streams (Mill Brook and unnamed tributaries to the Winooski River).

**WATERWAY AND LOCATION OF THE PROPOSED WORK**

This work is proposed in Allen Brook, the Winooski River, and Redmond Creek, and in wetlands adjacent to these waterways and to various intermittent streams in Williston and Essex Junction, Vermont. The project is located on the USGS Essex Junction, VT quadrangle sheet. The southern terminus of the Circ A-B Alignment is at UTM coordinates 4922086.0 N and 650177.0 E. The northern terminus of the Circ A-B Alignment is at UTM coordinates 4926814.0 N and 653613.0 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.

**SECTION 106 COORDINATION**

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

**ENDANGERED SPECIES CONSULTATION**

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 on the proposed mitigation strategy. 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 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.

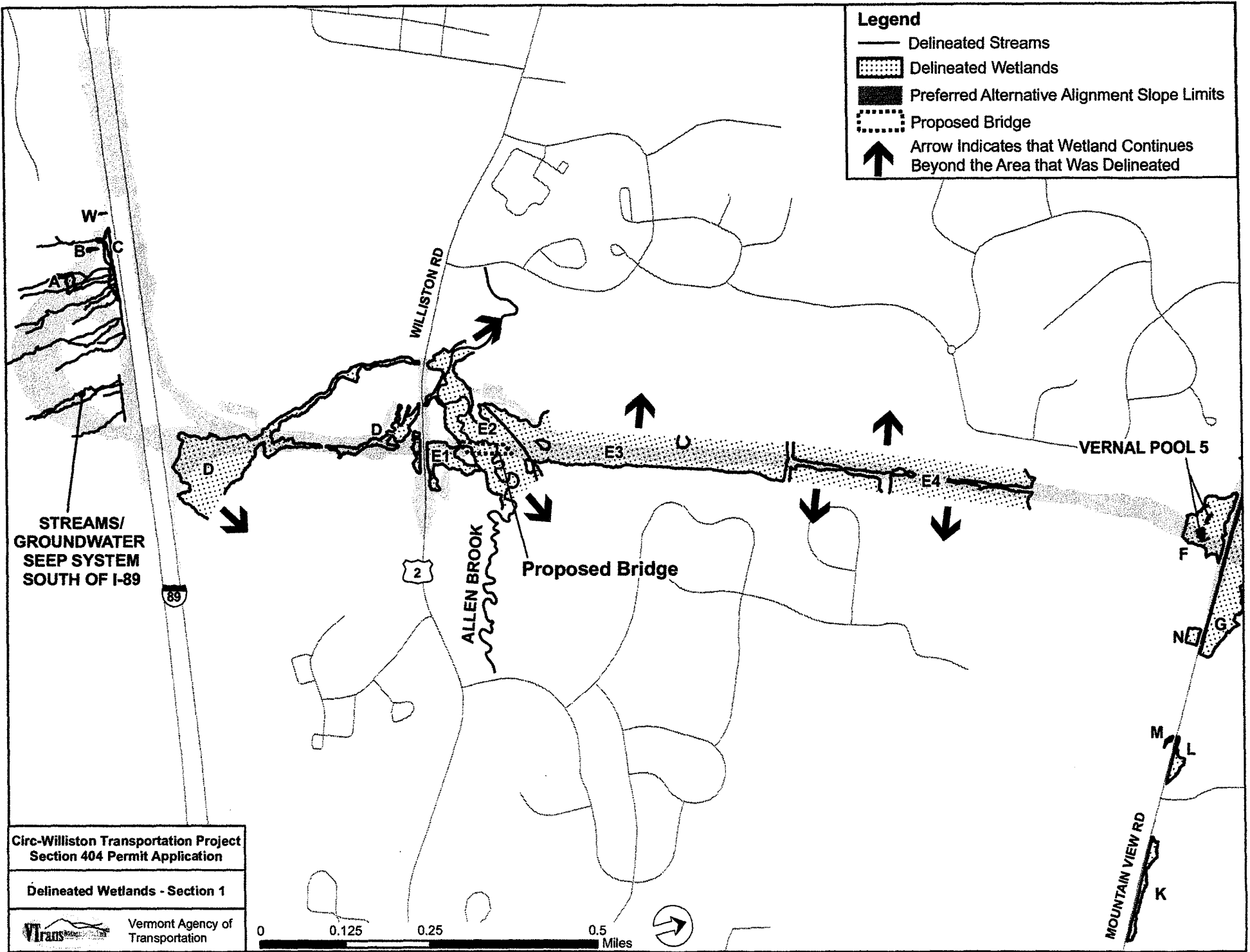
In accordance with 33 CFR 325.2(a)(8), we publish monthly a list of permits issued or denied during the previous month at [www.nae.usace.army.mil/reg](http://www.nae.usace.army.mil/reg), under the heading "Monthly General and Individual Permit Authorizations." Relevant environmental documents and the SOFs or RODs are available upon written request and, where applicable, upon the payment of administrative fees. Also visit [www.nae.usace.army.mil](http://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**

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](mailto: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: \_\_\_\_\_



**Legend**

- Delineated Streams
- ▨ Delineated Wetlands
- Preferred Alternative Alignment Slope Limits
- ⋯ Proposed Bridge
- ↑ Arrow Indicates that Wetland Continues Beyond the Area that Was Delineated

W-  
B- C  
A D

STREAMS/  
GROUNDWATER  
SEEP SYSTEM  
SOUTH OF I-89

89

WILLISTON RD

2

ALLEN BROOK

Proposed Bridge

VERNAL POOL 5

F

N G

M L

MOUNTAIN VIEW RD  
K

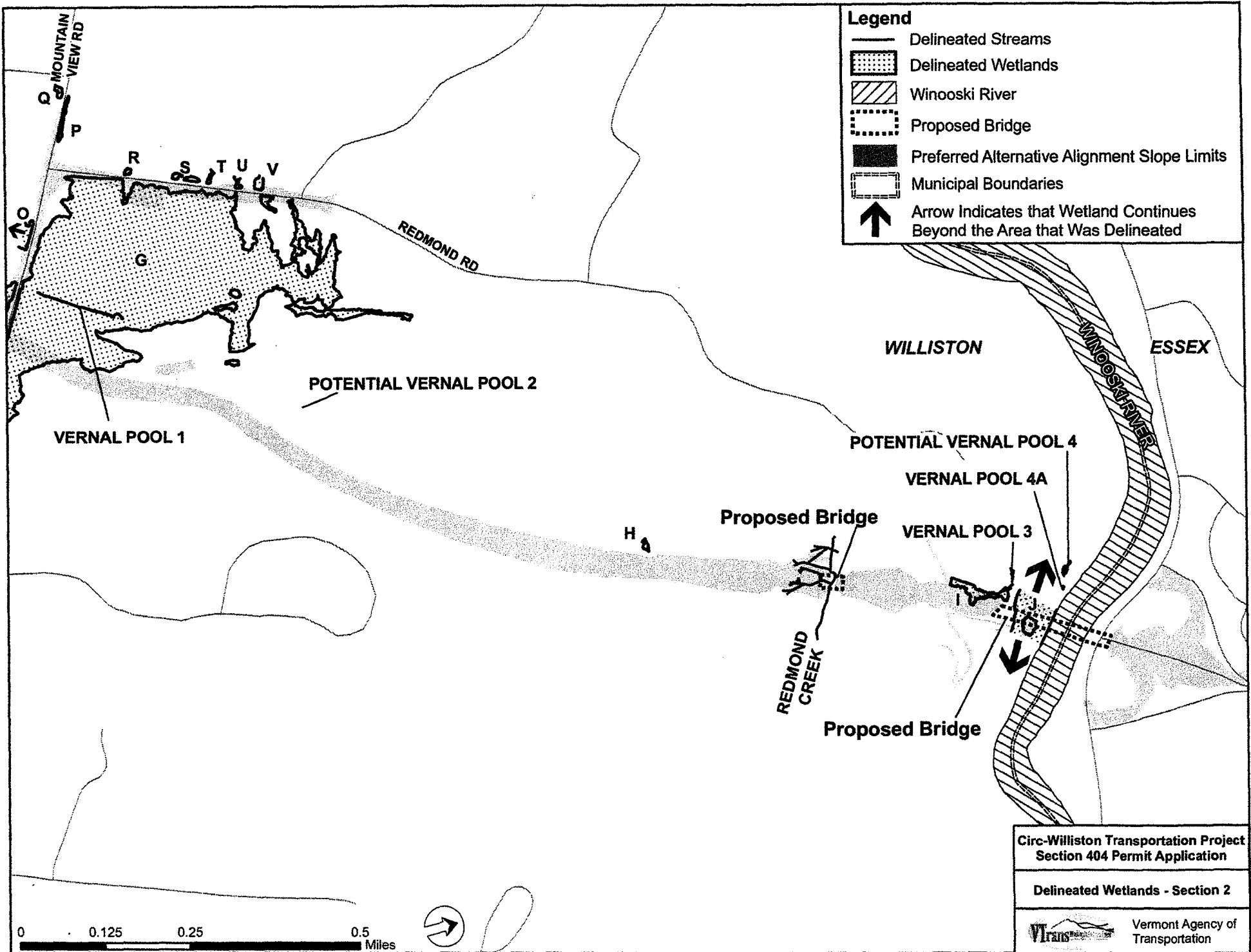
Circ-Williston Transportation Project  
Section 404 Permit Application

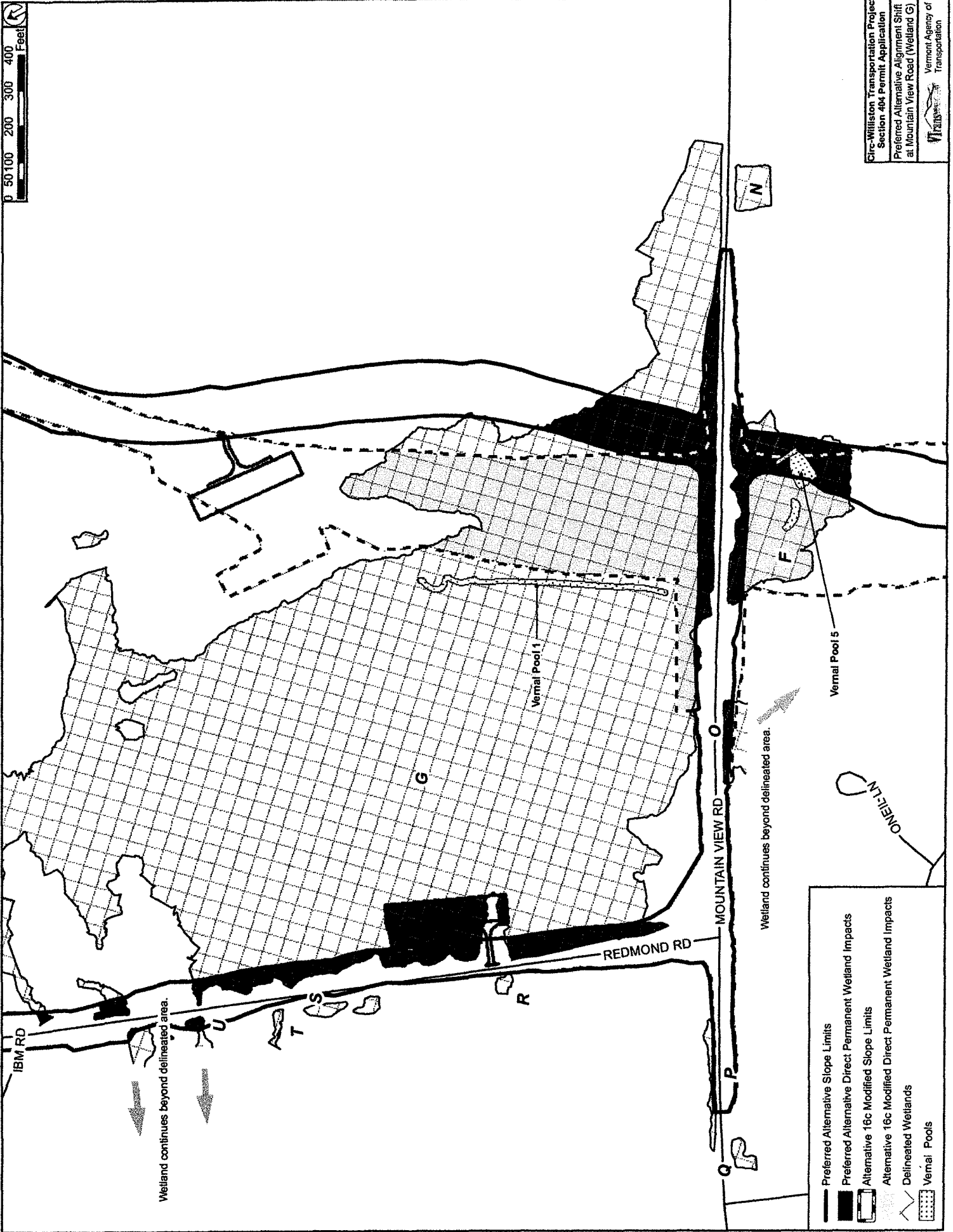
Delineated Wetlands - Section 1

 Vermont Agency of  
Transportation

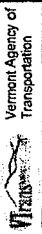
0 0.125 0.25 0.5 Miles



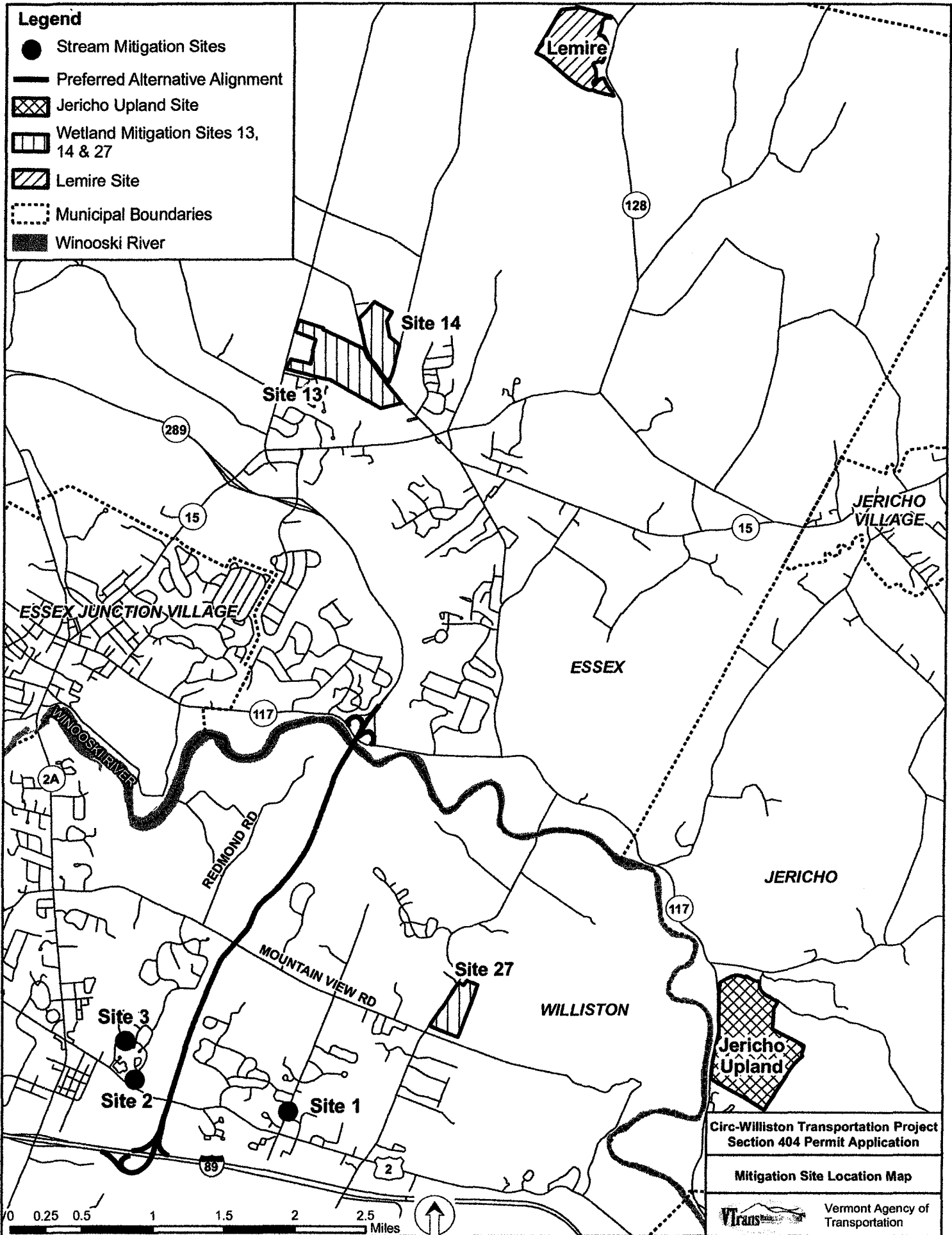




Circ-Williston Transportation Project  
 Section 4b4 Permit Application  
 Preferred Alternative Alignment Shift  
 at Mountain View Road (Wetland G)



- Preferred Alternative Slope Limits
- Preferred Alternative Direct Permanent Wetland Impacts
- Alternative 16c Modified Slope Limits
- Alternative 16c Modified Direct Permanent Wetland Impacts
- Delineated Wetlands
- Vernal Pools



**Legend**

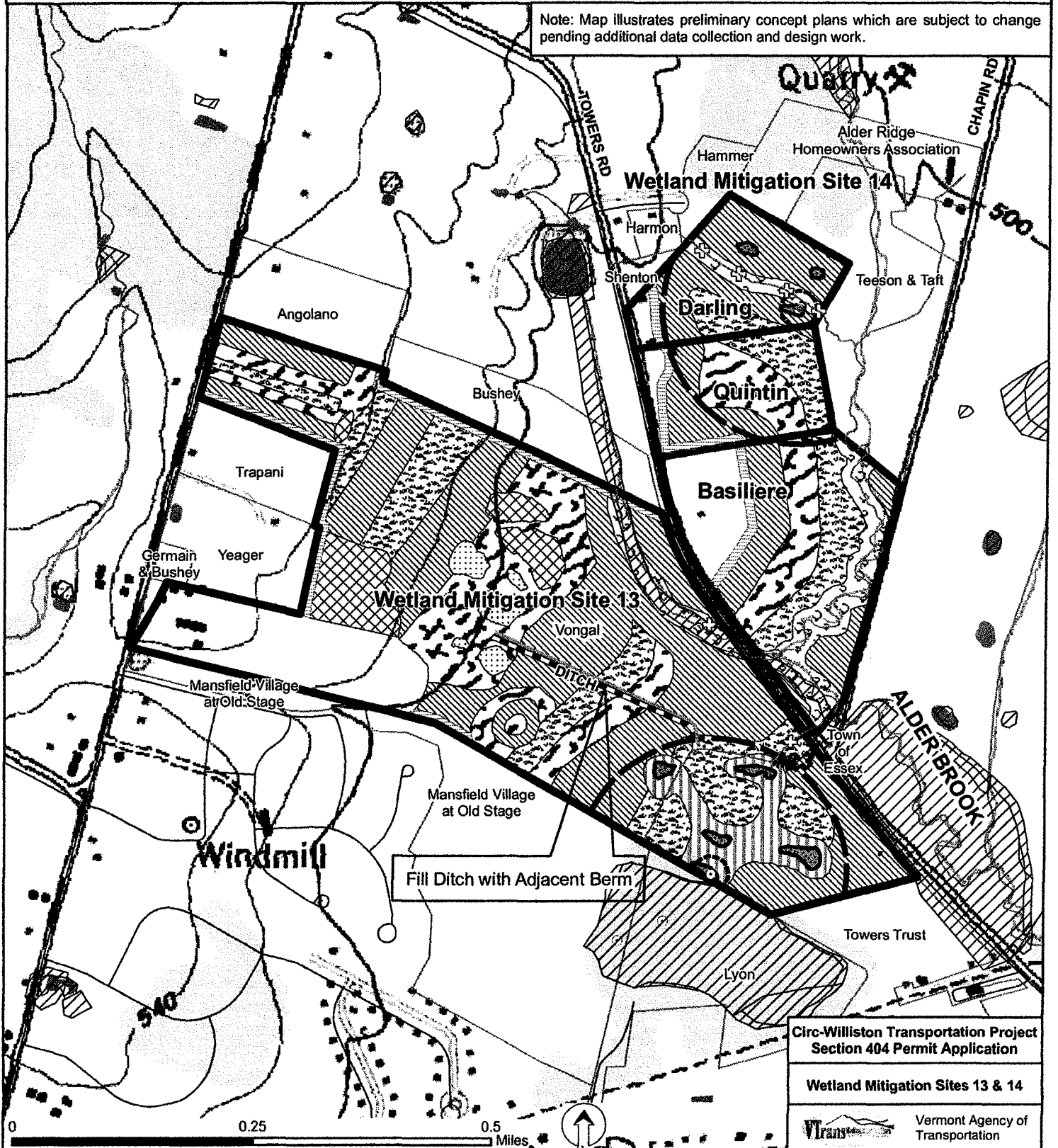
- Stream Mitigation Sites
- Preferred Alternative Alignment
- ▣ Jericho Upland Site
- ▤ Wetland Mitigation Sites 13, 14 & 27
- ▥ Lemire Site
- ⋯ Municipal Boundaries
- ▬ Winooski River

Circ-Williston Transportation Project  
 Section 404 Permit Application  
 Mitigation Site Location Map  
 Vermont Agency of  
 Transportation

**Legend**

- |  |                                  |  |   |  |   |  |  |
|--|----------------------------------|--|---|--|---|--|--|
|  | Modified Ditch Plugs             |  | Wood Frog Habitat Connectivity Area (100-foot buffer)   |  | Forested Wetland Plantings                        |  | Riparian Corridor Planting               |
|  | Wood Frog Egg Mass Observations  |  | Wood Frog Habitat Connectivity Area (750-foot buffer)   |  | Habitat Corridor Planting Zone (Forested Wetland) |  | Upland Inclusion with Forested Plantings |
|  | Berm                             |  | Vernal Pool Creation Areas                              |  | RCG Control with Dense Live Stake Plantings       |  | Upland Inclusion with Shrub Plantings    |
|  | Ditch                            |  | Vermont Significant Wetlands Inventory                  |  | Residential Land Use Buffer                       |  | Warm Season Grass with RCG Control       |
|  | Wetland Mitigation Sites 13 & 14 |  | Adjoining Parcel Boundaries (Labeled by Property Owner) |  |   |  |  |
|  | Hydrography (lines)              |  |   |  |   |  |  |
|  | Hydrography (polygons)           |  |   |  |   |  |  |

Note: Map illustrates preliminary concept plans which are subject to change pending additional data collection and design work.



Circ-Williston Transportation Project  
Section 404 Permit Application

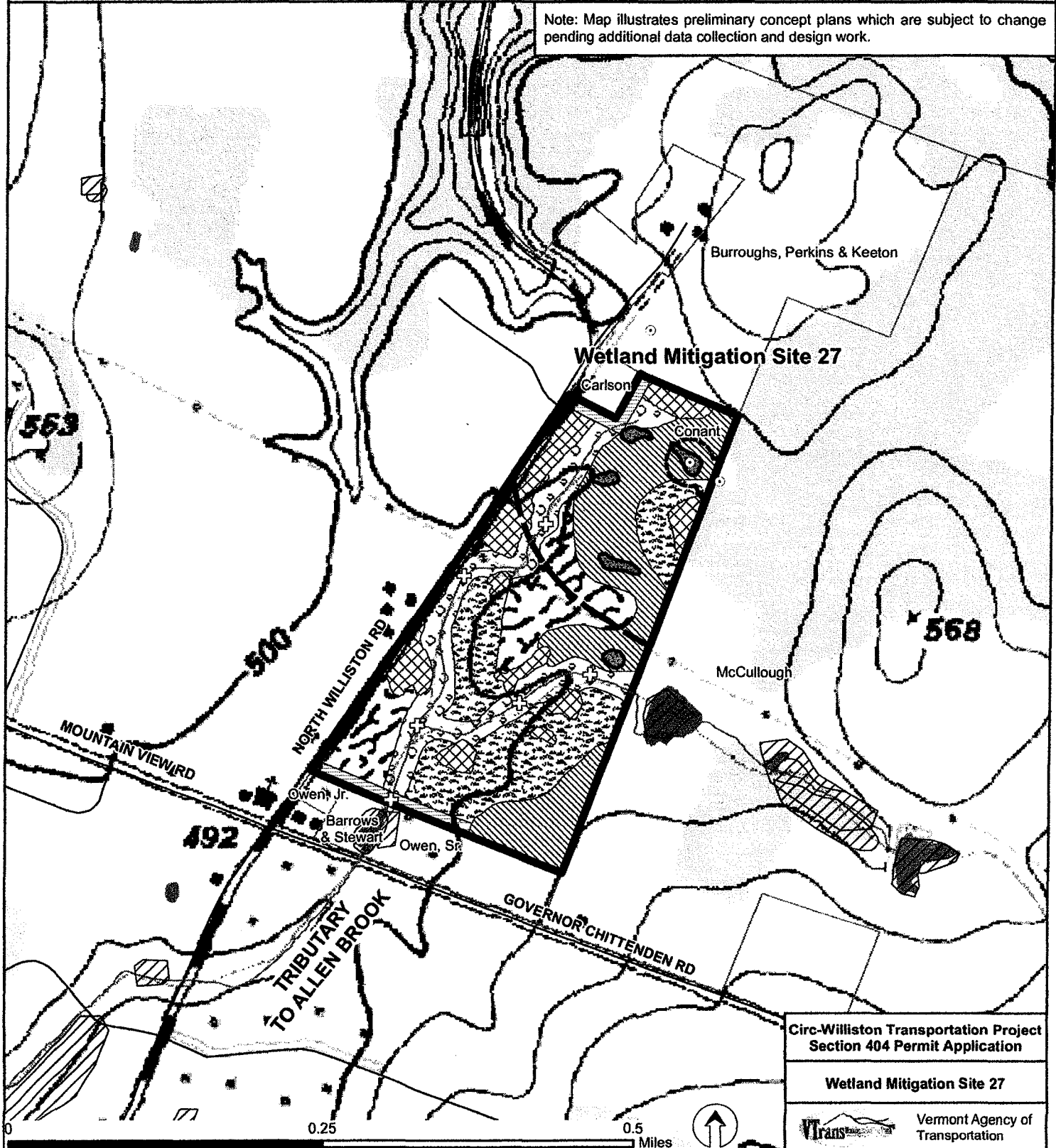
Wetland Mitigation Sites 13 & 14

 Vermont Agency of Transportation

**Legend**

- |   |                                 |  |   |  |   |  |  |
|---|---------------------------------|--|---|--|---|--|--|
| ⊕ | Modified Ditch Plugs            |  | Wood Frog Habitat Connectivity Area (100-foot buffer)   |  | Forested Wetland Plantings                        |  | Riparian Corridor Planting               |
| ○ | Wood Frog Egg Mass Observations |  | Wood Frog Habitat Connectivity Area (750-foot buffer)   |  | Habitat Corridor Planting Zone (Forested Wetland) |  | Upland Inclusion with Forested Plantings |
| — | Berm                            |  | Vernal Pool Creation Areas                              |  | RCG Control with Dense Live Stake Plantings       |  | Upland Inclusion with Shrub Plantings    |
| — | Ditch                           |  | Vermont Significant Wetlands Inventory                  |  | Residential Land Use Buffer                       |  | Warm Season Grass with RCG Control       |
|   | Wetland Mitigation Site 27      |  | Adjoining Parcel Boundaries (Labeled by Property Owner) |  |   |  |  |
|   | Hydrography (lines)             |  |   |  |   |  |  |
|   | Hydrography (polygons)          |  |   |  |   |  |  |

Note: Map illustrates preliminary concept plans which are subject to change pending additional data collection and design work.



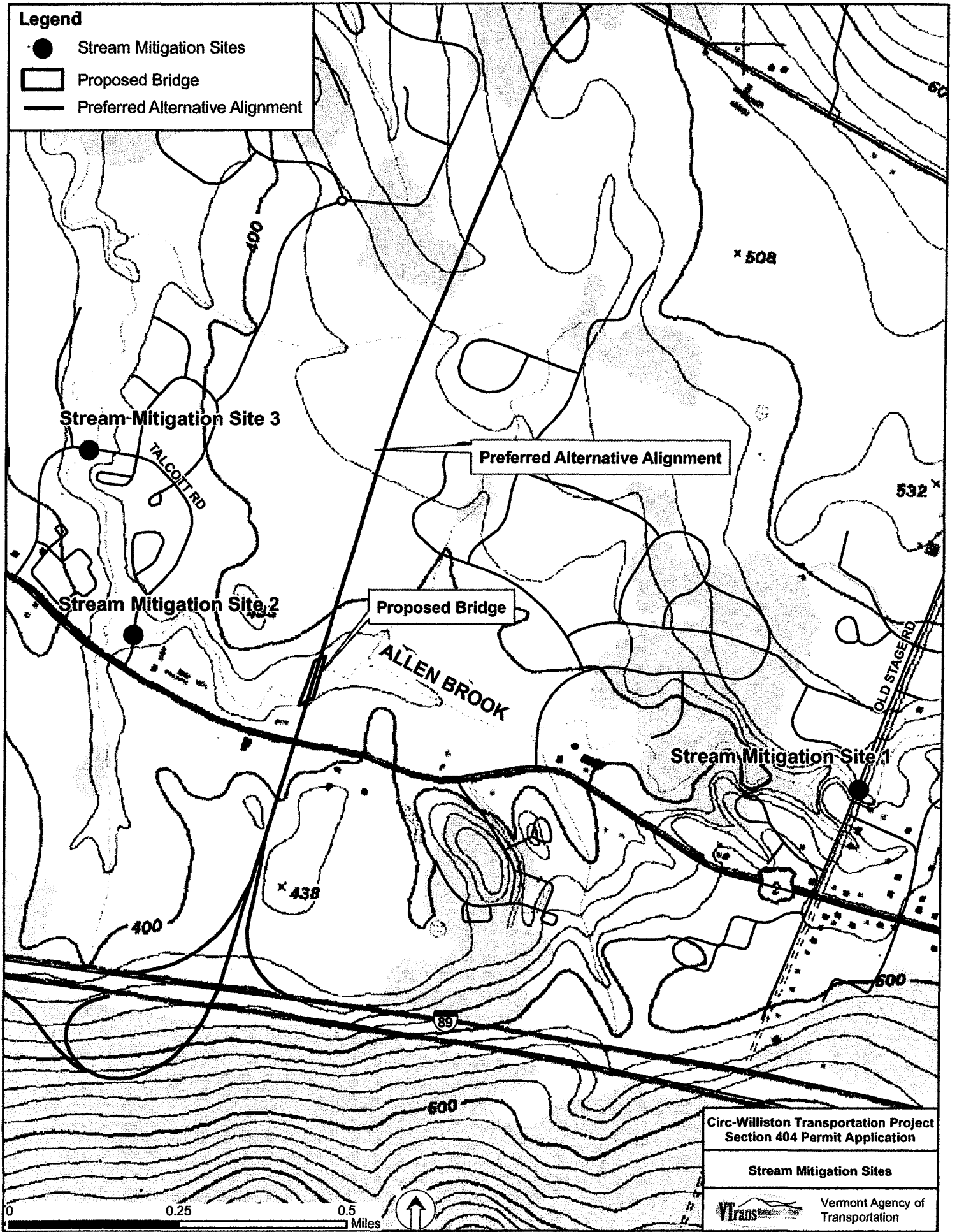
Circ-Williston Transportation Project  
Section 404 Permit Application

**Wetland Mitigation Site 27**

Vermont Agency of Transportation


**Legend**

- Stream Mitigation Sites
- ▭ Proposed Bridge
- Preferred Alternative Alignment







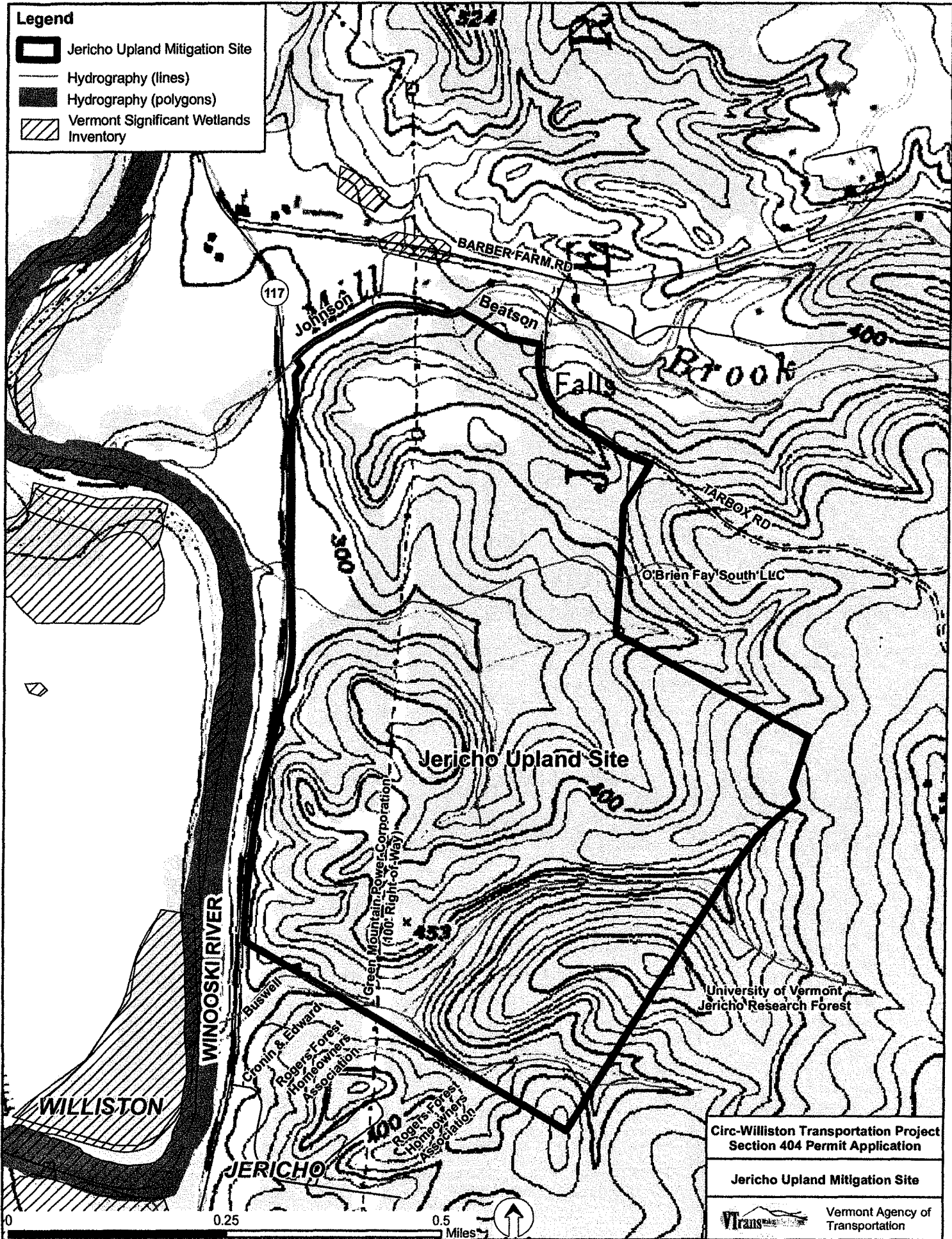
Circ-Williston Transportation Project  
Section 404 Permit Application

**Stream Mitigation Sites**

 Vermont Agency of Transportation

**Legend**

-  Jericho Upland Mitigation Site
-  Hydrography (lines)
-  Hydrography (polygons)
-  Vermont Significant Wetlands Inventory



Circ-Williston Transportation Project  
Section 404 Permit Application

Jericho Upland Mitigation Site



Vermont Agency of  
Transportation



**Summary of Proposed Wetland Impacts & Adjoining Property Owners  
 Circ-Williston Transportation Project- Preferred Alternative  
 Town of Williston, Town of Essex and Village of Essex Junction, Chittenden County, Vermont**

Wetland ID	General Cover Type <sup>1</sup>	Permanent Impact (acres) <sup>2</sup>	Temporary Impact (acres) <sup>3</sup>		Adjoining Property Owners <sup>4</sup>
			Direct	Short-Term	
A	PSS	0.16	0.00	0.00	--
B	PEM	0.02	0.00	0.00	--
C	PSS	0.04	0.02	0.00	--
D	PEM	4.34	0.30	0.00	William S. Burnett, Town of Williston
E1	PEM	0.59	0.10	0.00	Williston Limited Partnership
E2	PSS	0.58	0.07	0.58	Southridge Homeowners Association, Williston Limited Partnership
E3	PEM	5.75	1.16	0.00	Southridge Homeowners Association, Town of Williston
E4	PEM	3.67	0.84	0.00	David & Mandy Boisjoli, Jeffery & Amanda Boliba, Jamie & Alyssa Chase, Coyote Run Homeowners Association, Thomas Hergenrother Jr, Tong & Winny Nguyen, Brennan Woods Homeowners Association, The Big Three LLC, Town of Williston
F	PFO	1.22	0.00	0.18	Nancy Breiner, Brennan Woods Homeowners Association, The Big Three LLC
G	PFO	4.15	0.00	0.80	Chittenden Solid Waste District, Ledgewood at Martel Hill Homeowners Association, Vermont Transco LLC
H	PFO	0.00	0.00	0.00	Chittenden Solid Waste District
I	PEM	0.29	0.11	0.00	Burlington Transfer Station, Chittenden Solid Waste District, Central Vermont Railway
J	PFO	0.86	0.00	1.03	James Babcock, Central Vermont Railway
K	PEM	0.00	0.00	0.00	Elizabeth Ezerman, Mark R. Harvie & Santia Kacanovska
L	PEM	0.00	0.00	0.00	Andre & Patricia Martel Trustees
M	PFO	0.00	0.00	0.00	Andre & Patricia Martel
N	PEM	0.00	0.00	0.00	Dorothy Ingalls, Calvin & Julie Murphy
O	PEM	0.09	0.05	0.00	Brennan Woods Homeowners Association
P	PEM	0.02	0.06	0.00	IBM Corporation
R	PEM	0.00	<0.01	0.00	IBM Corporation
U	PEM	0.03	<0.01	0.00	IBM Corporation
V	PEM	0.01	0.02	0.00	IBM Corporation
W	PEM	0.00	0.00	0.00	Hillside East Corp.
<b>Total</b>		<b>21.81</b>	<b>2.72</b>	<b>2.58</b>	
<b>Total by Cover Type</b>	<b>PEM</b>	<b>14.80</b>	<b>2.63</b>	<b>0.00</b>	
	<b>PSS</b>	<b>0.77</b>	<b>0.09</b>	<b>0.58</b>	
	<b>PFO</b>	<b>6.23</b>	<b>0.00</b>	<b>2.00</b>	

1. PEM- Palustrine Emergent, PSS- Palustrine Scrub-Shrub, PFO- Palustrine Forested

2. Direct permanent impacts represent the wetland area that would be filled. 3. Temporary impact areas would be restored following construction. Short-term temporary impacts would have a duration of less than one year, while long-term temporary impacts would have a duration of one year or longer.

4. Property owners other than the Vermont Agency of Transportation/State of Vermont and public right-of-ways.

**Summary of Proposed Stream and River Impacts & Adjoining Property Owners  
 Circ-Williston Transportation Project- Preferred Alternative  
 Town of Williston, Town of Essex and Village of Essex Junction, Chittenden County, Vermont**

<b>Name</b>	<b>Direct Impacts (linear feet)</b>	<b>Secondary Impacts (linear feet)</b>	<b>Adjoining Property Owners<sup>2</sup></b>
Intermittent Streams/Groundwater Seep System South of I-89 <sup>1</sup>	3,931	5,694 (upstream or downstream hydrology cut)	John Oliver & Kara Cassani, Scott B. Rexford & Louise M. Morgan
Perennial Streams/ Groundwater Seep System South of I-89 <sup>1</sup>	842	1,370 (upstream or downstream hydrology cut)	Town of Williston, Scott B. Rexford & Louise M. Morgan
Allen Brook	0 (bridge)	307 (shading and potential geomorphology impact of piers in floodplain)	Town of Williston, Williston Limited Partnership, Southridge Homeowners Association
Intermittent Drainageways South of Redmond Creek	1,478	338 (upstream hydrology cut)	Chittenden Solid Waste District, Ledgewood at Martel Hill Homeowners Association
Redmond Creek	0 (bridge)	386 (shading and shallow groundwater flow changes from adjacent fill)	Chittenden Solid Waste District
Wetland I Intermittent Stream	147	160 (upstream hydrology cut)	Burlington Transfer Station, Chittenden Solid Waste District, Central Vermont Railway
Winooski River	1,750 square feet (bridge pier)	0	James Babcock

1. In addition to linear feet, stream buffer area impacts were assessed for this system using a five foot buffer on intermittent streams and a 25 foot buffer on permanent streams. In total, the Preferred Alternative would result in 1.69 acres of direct stream buffer area impacts and 2.61 acres of secondary stream buffer area impacts.

2. Property owners other than the Vermont Agency of Transportation/State of Vermont and public right-of-ways.

**Mitigation Site Adjoining Property Owners**

Site Name	Adjoining Property Owners <sup>1</sup>
Wetland Mitigation Site 13 (Vongal)	Richard L. & Sandra J. Angolano, James & Linda Bushey, Herbert E. Germain & Margaret E. Bushey, Jeffrey S. & Dawn M. Lyon, Mansfield Village at Old Stage Community Association Inc., Timothy J. Trapani & Angela H Reisenauer-Trapani, Towers Trust, Anna F. & Donald R. Vongal, Jr., Scott B .Yeager & Christine L. Packard
Wetland Mitigation Site 14 (Basiliere, Quintin and Darling)	Alder Ridge Homeowners Association, Wesley Jay Basiliere & Shawn A. Basiliere, Daniel & Linda Darling, Richard R. & Christine B. Hammer, Sidney E. & Karen Lynch Harmon, Andrew J. & Barbara B. K. Shenton, Malcolm Teeson, Robert Taft & Mark Taft, Town of Essex, Albert O., David A., Nicola J., Peter John & Joann M. Quintin
Wetland Mitigation Site 27 (Conant)	Mardean Barrows & Trudy Stewart, Jeneva Burroughs, Brenda Perkins & Laura Keeton, Jeff & Carolyn Carlson, David L. & Deborah Conant, James & Lucille McCullough, Jacqueline & Gordon Owen, Jr., Eleanor & Gordon N. Owen, Sr.
Stream Mitigation Site 1 (Old Stage Road)	Brookside Properties LLC, Richard D. & Rhia A. Dumont, Frederick & June Jaquish, Craig & Kathleen Revilla
Stream Mitigation Site 2 (Talcott Road Upstream)	Allen Brook Development Inc., Taft Farm Village, Town of Williston
Stream Mitigation Site 3 (Talcott Road Downstream)	Allen Brook Development Inc., Indian Ridge Association, MBF Properties LLC, Taft Farm Village
Jericho Upland Site	Jean Beatson, Ronald & Dawn Buswell, Cronin John & Nancy Edward, Green Mountain Power Corporation, David & Joan Johnson, O'Brien Fay South LLC, Rogers Forest Homeowners Association, University of Vermont

1. Property owners other than the Vermont Agency of Transportation/State of Vermont and public right-of-ways.