PUBLIC NOTICE

US Army Corps of Engineers®
New England District

8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452

Date: February 24, 2009
Comment Period Ends: March 26, 2009
File Number: NAE-2006-3690
In Reply Refer To: Michael S. Adams
Or by e-mail: Michael.s.adams@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. The Corps is soliciting comments on both the project itself and the range of issues to be addressed in the environmental documentation.

APPLICANT
Vermont Transco, LLC., ATTN: Brian Connaughton, Environmental Team Leader, 366 Pinnacle Ridge Road, Rutland, Vermont 05701

ACTIVITY
Place fill material in waters of the United States in conjunction with the construction of 51 miles of a new 345 kV transmission line within an existing corridor from Vernon to Cavendish, Vermont and construction of one-mile of a new 345 kV transmission line loop (Newfane loop) between the new 345 kV transmission line and a new substation in Newfane, Vermont. The proposed work involves the following:

a. Installation of the transmission line across the Connecticut River in Vernon. The line will be 77.1' above ordinary high water (OHW) under conditions of greatest sag.

b. The right-of-way from Vernon to Cavendish is currently cleared to a width of approximately 100' for the existing 345 kV transmission line. The construction of the new 345 kV transmission line will involve the clearing of the right-of-way (ROW) to 250' wide. The new line will primarily be installed on two-pole wooden H-frame structures. Three-pole structures will be utilized in areas that require additional support and steel poles will be used for about one mile at the southern end. The ROW for the Newfane loop is currently cleared to a width of approximately 100' wide for an existing 46 kV transmission line. The construction of the Newfane loop will involve the clearing of the ROW to approximately 300' wide. The new lines will be installed on two-pole wooden H-frame structures. Approximately 930 sq. ft. (0.02 acre) of wetlands and approximately 1,000 sq. ft. (0.02 acre) of stream bottoms will be impacted by the pole installation. Approximately 179,630 sq. ft. (4.1 acre) of wetlands and 4,260 sq. ft. (0.10 acre) of stream bottoms will be impacted by permanent roads and culverts. Approximately 679,742 sq. ft. (15.6 acre) of wetlands and approximately 1,100 sq. ft. (0.03 acre) of stream bottoms will be temporarily impacted by temporary access roads and construction pads around the poles. All temporary fills will be removed after the installation of the poles. Tree clearing within the right-of-way will occur in about 34.9 acres of wetlands. There will be no mechanized landclearing within wetlands.

To compensate for impacts of the proposed project, including forest clearing, the applicant proposes to purchase and preserve approximately 360 acres (330 ± acres of upland and 30 ± of wetlands) on the Knight Estate property off Turner Hill Road in Grafton and Athens, Vermont. The wetlands on the

property consist of vernal pools, emergent/shrub and forested wetlands. Many stream channels exist on the parcel connecting the larger wetland ecosystems.

The basic project purpose is to meet the present and future demand for reliable electric transmission service in southeastern Vermont.

The work is partially described on the enclosed plans, in twenty two sheets, entitled "SOUTHERN LOOP PROJECT" and dated "2/5/09", "12/12/08", and "1/6/09". The entire set of wetland and stream impact plans can be viewed by contacting Jason Kelley with VELCO at (802) 770-6452.

WATERWAY AND LOCATION OF THE PROPOSED WORK
The southern end of the project site is located on the Brattleboro, VT USGS quadrangle sheet at UTM coordinates N 4739277.0 and E 703115.0. The northern end of the project site is located on the Ludlow, VT USGS quadrangle sheet at UTM coordinates N 4810894.0 and E 689386.0.

AUTHORITY
Permits are required pursuant to:
_X_ Section 10 of the Rivers and Harbors Act of 1899
_X_ Section 404 of the Clean Water Act
_____ Section 103 of the Marin e 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, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

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 Michael S. Adams 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.

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.

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

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.

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.

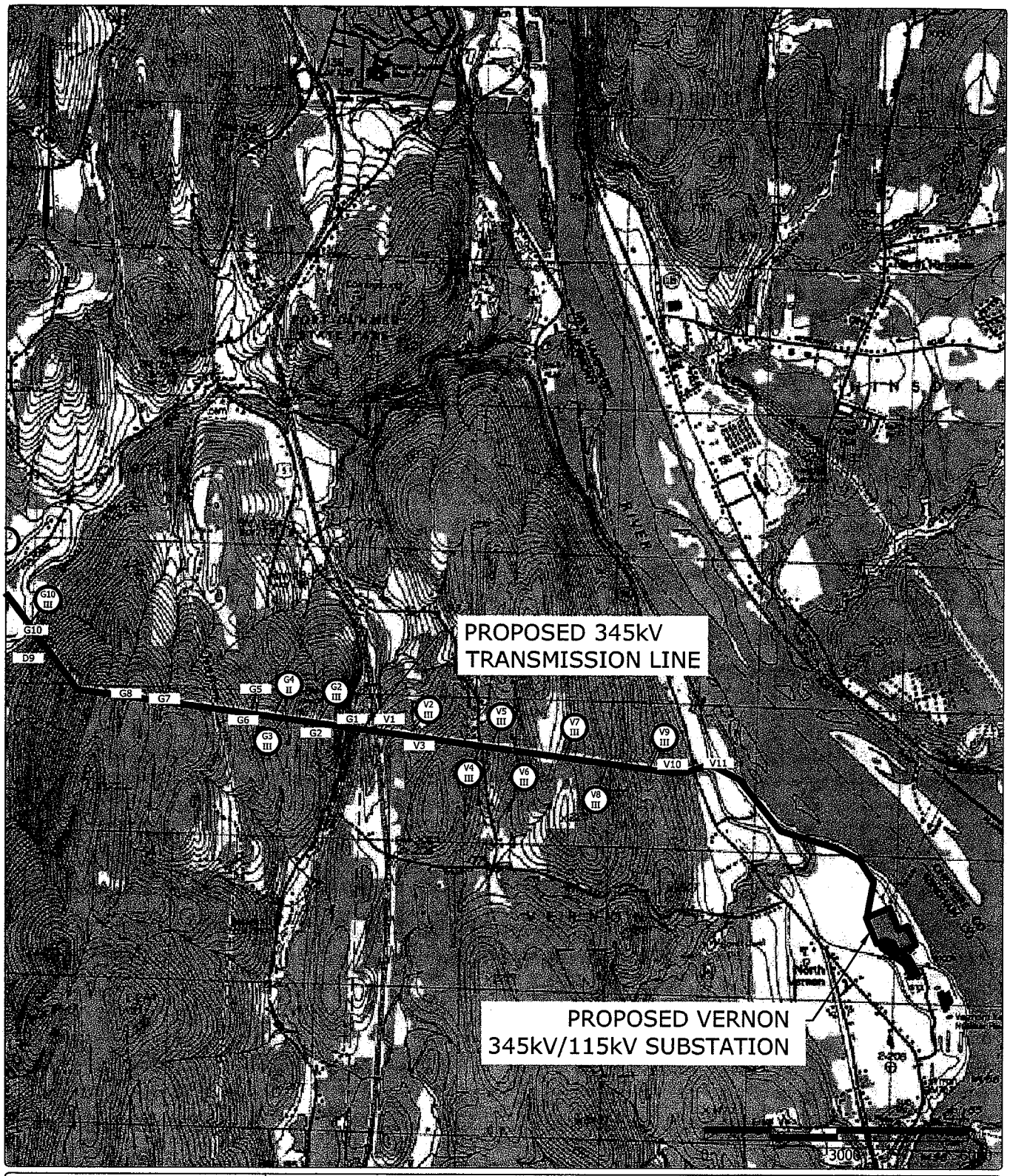
THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

For more information on the New England District Corps of Engineers programs, visit our website at http://www.nae.usace.army.mil.

Frank DelGiudice
Chief, Permits & Enforcement Branch
Regulatory Division

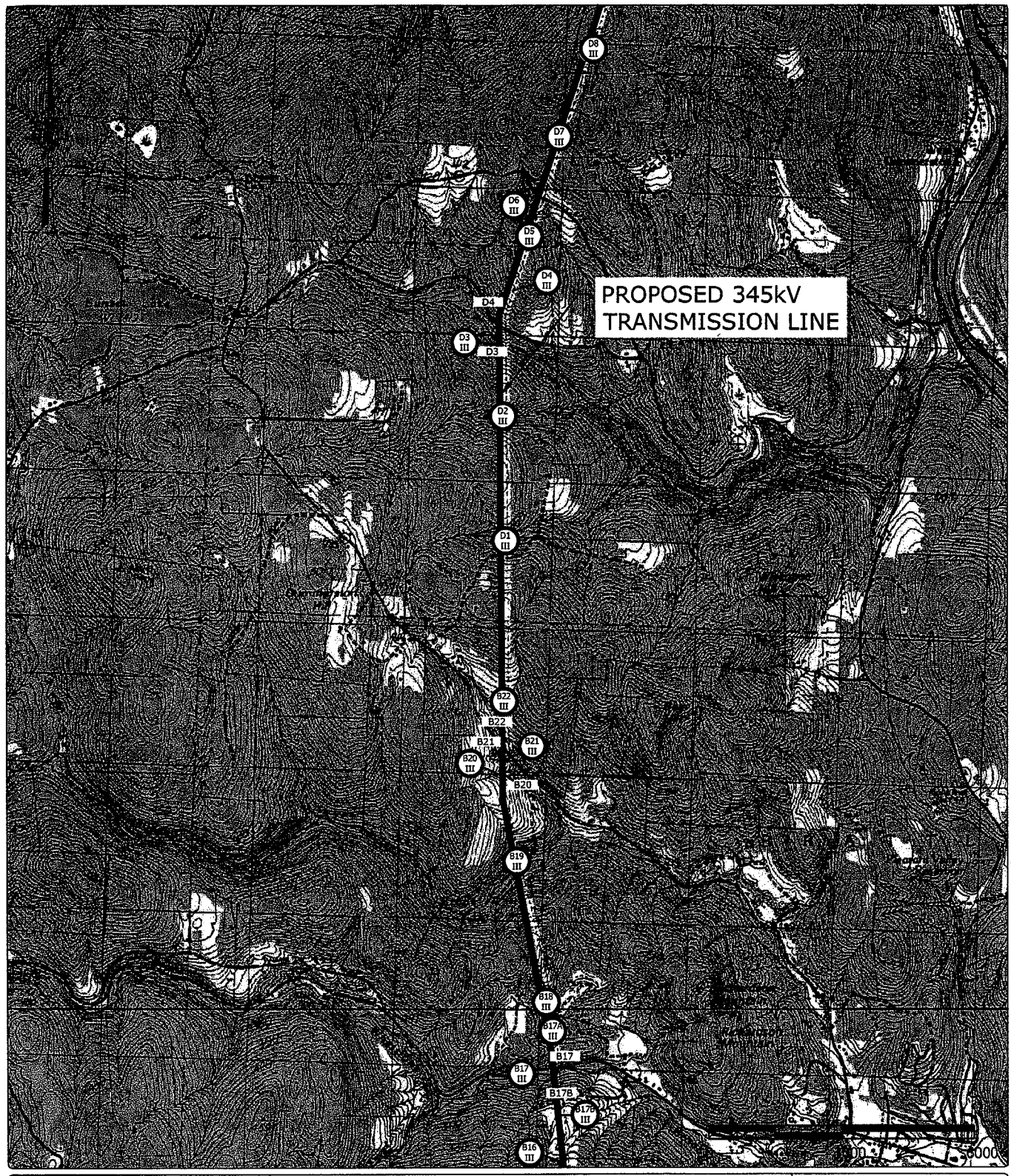
If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers,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

NAME: _____
ADDRESS: _____

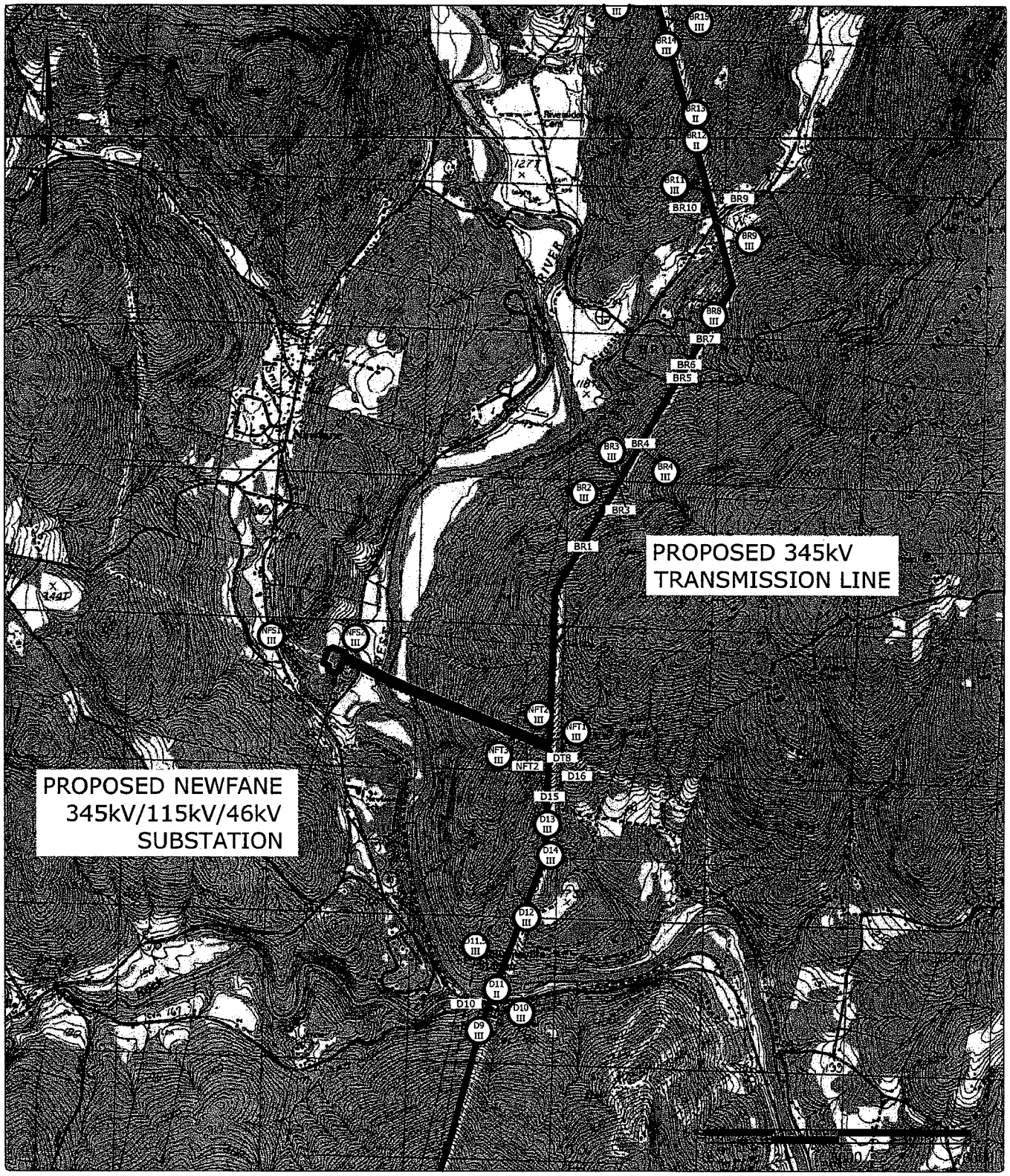


VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-1

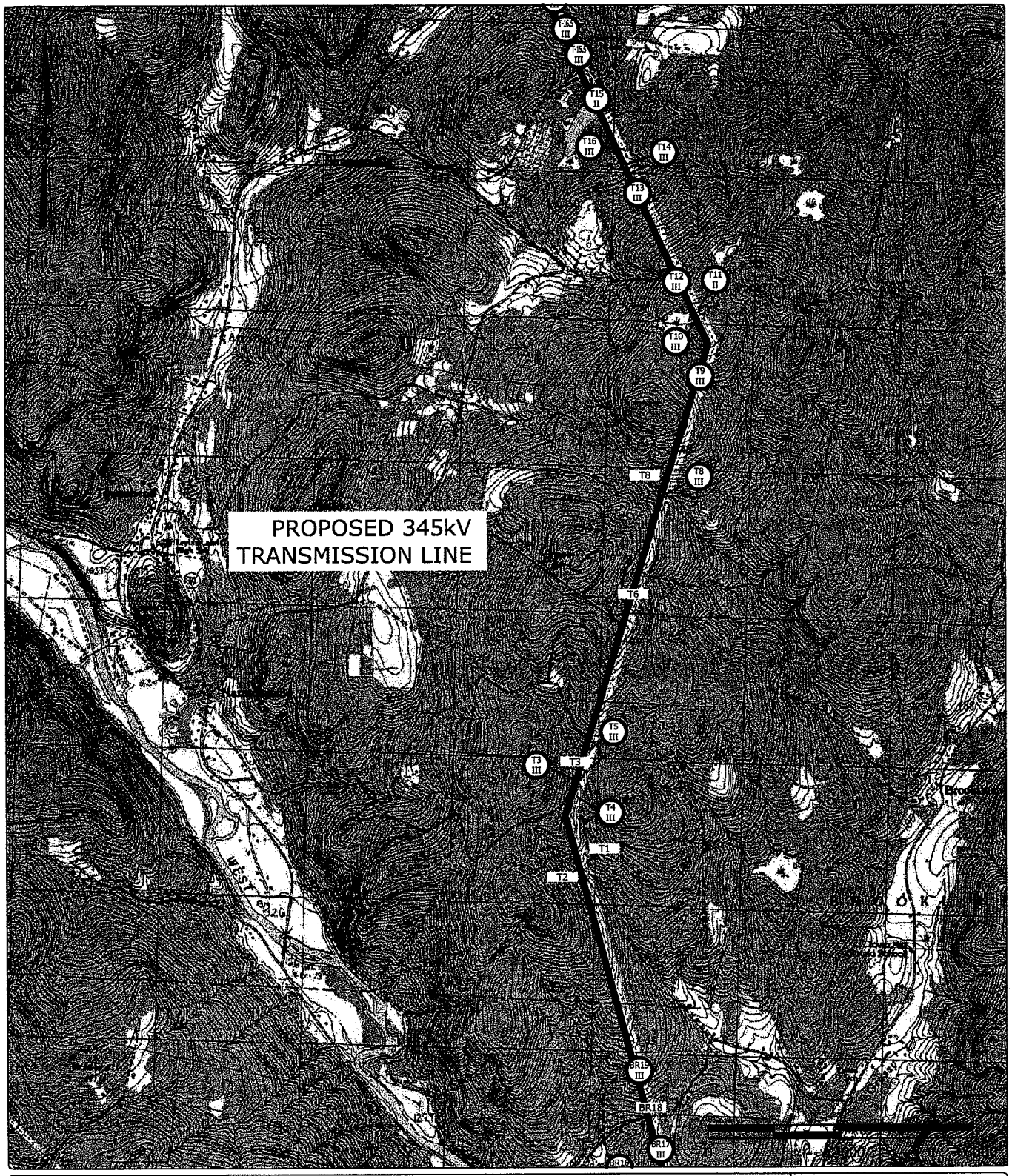
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-2



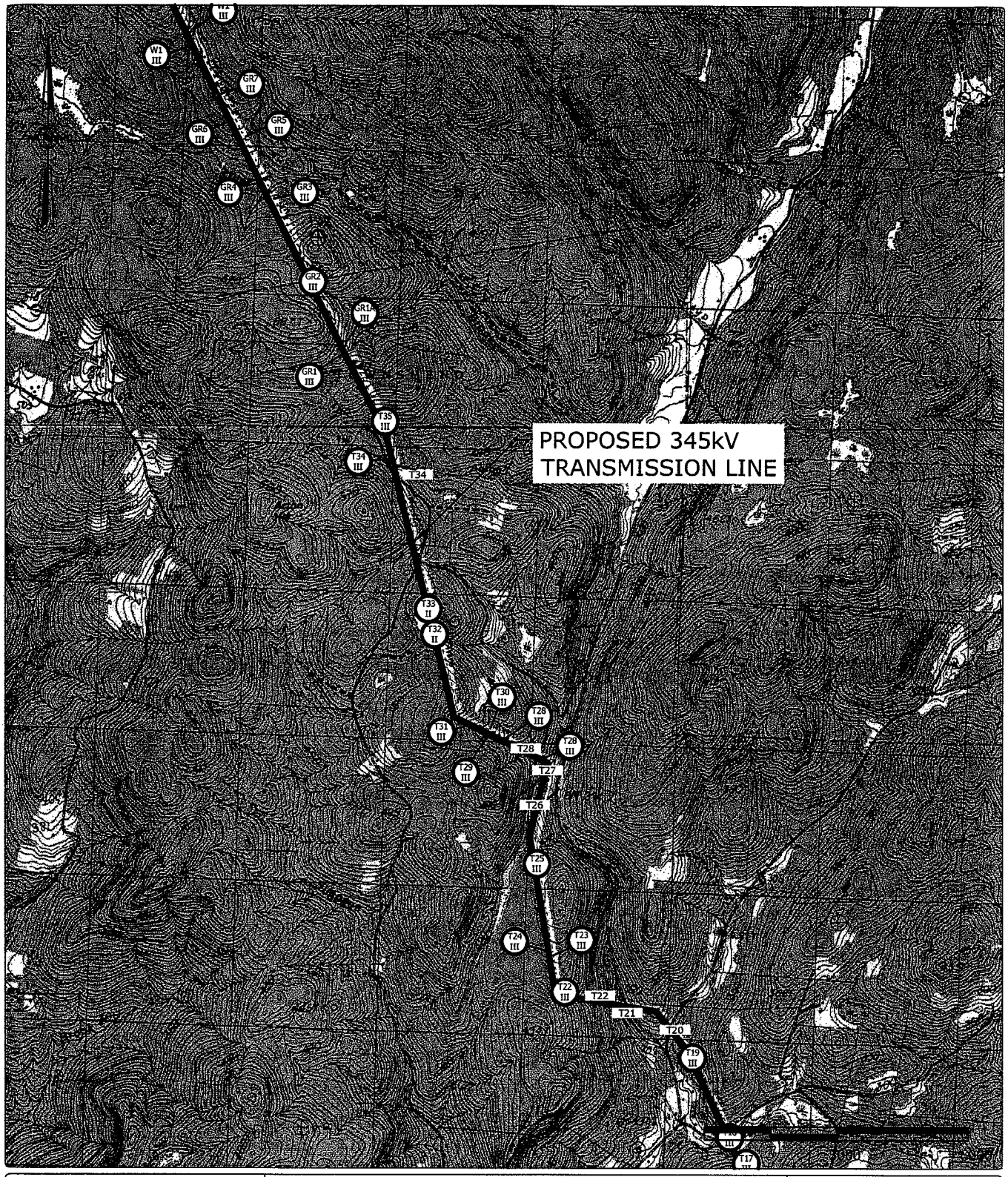
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-3



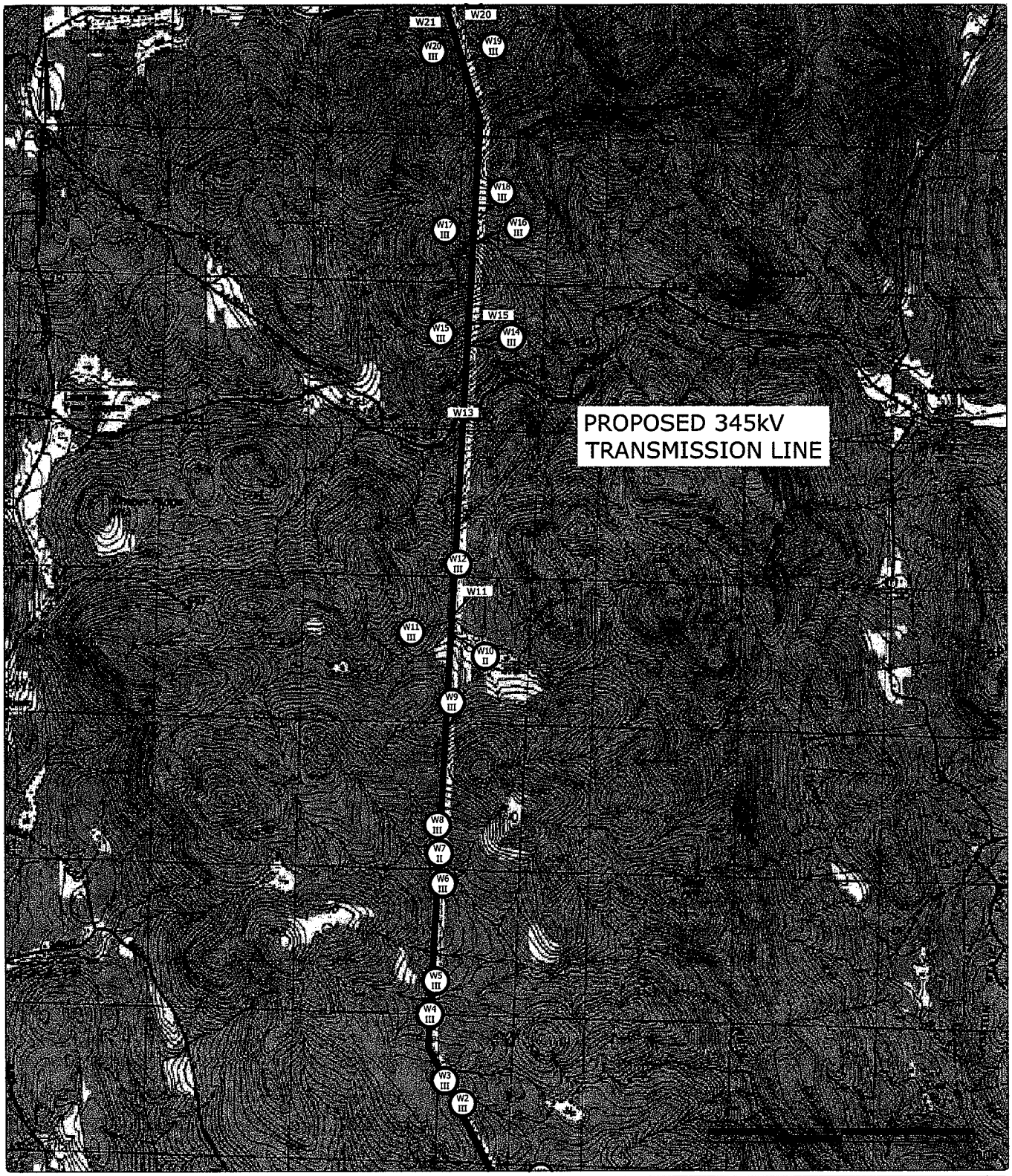
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-4



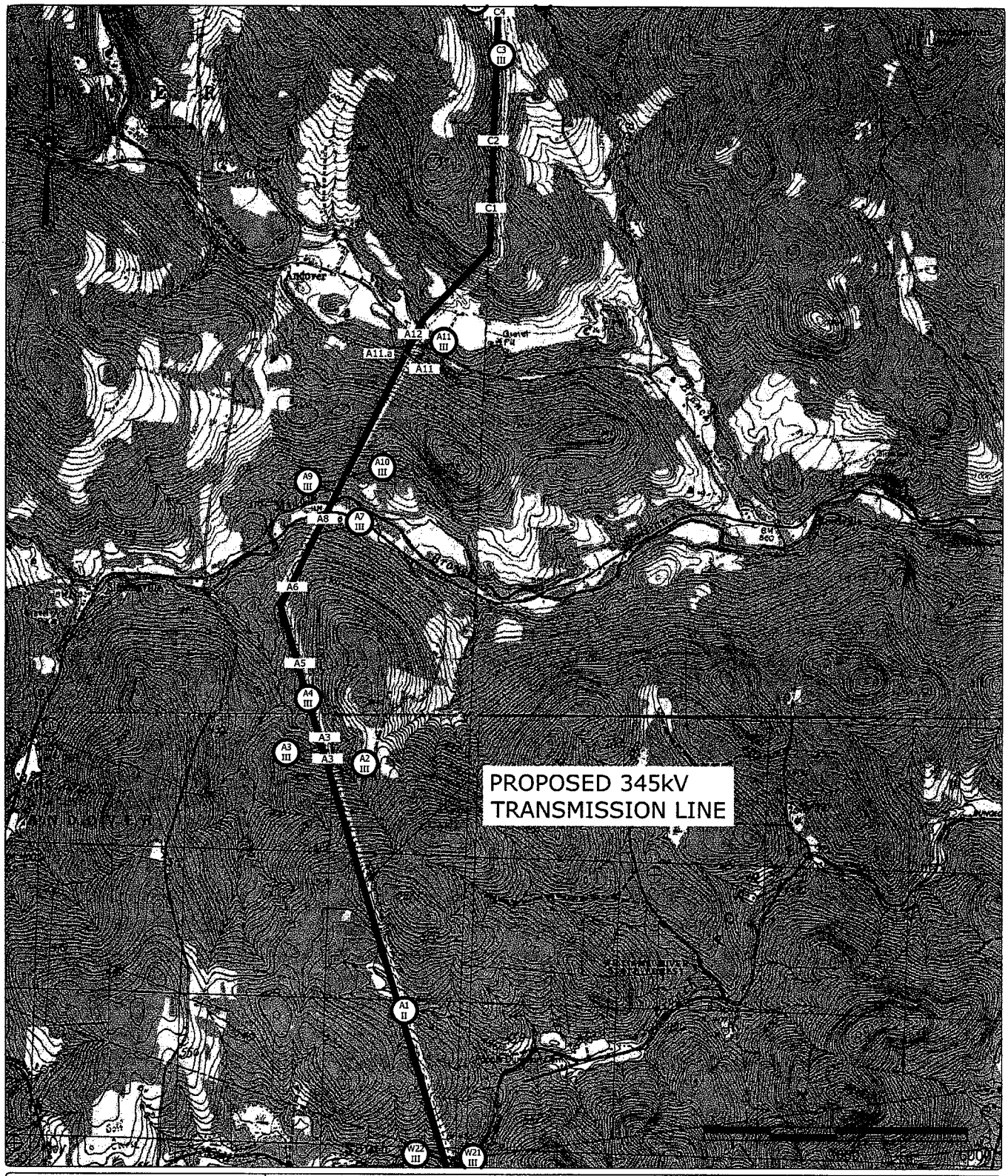
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-5



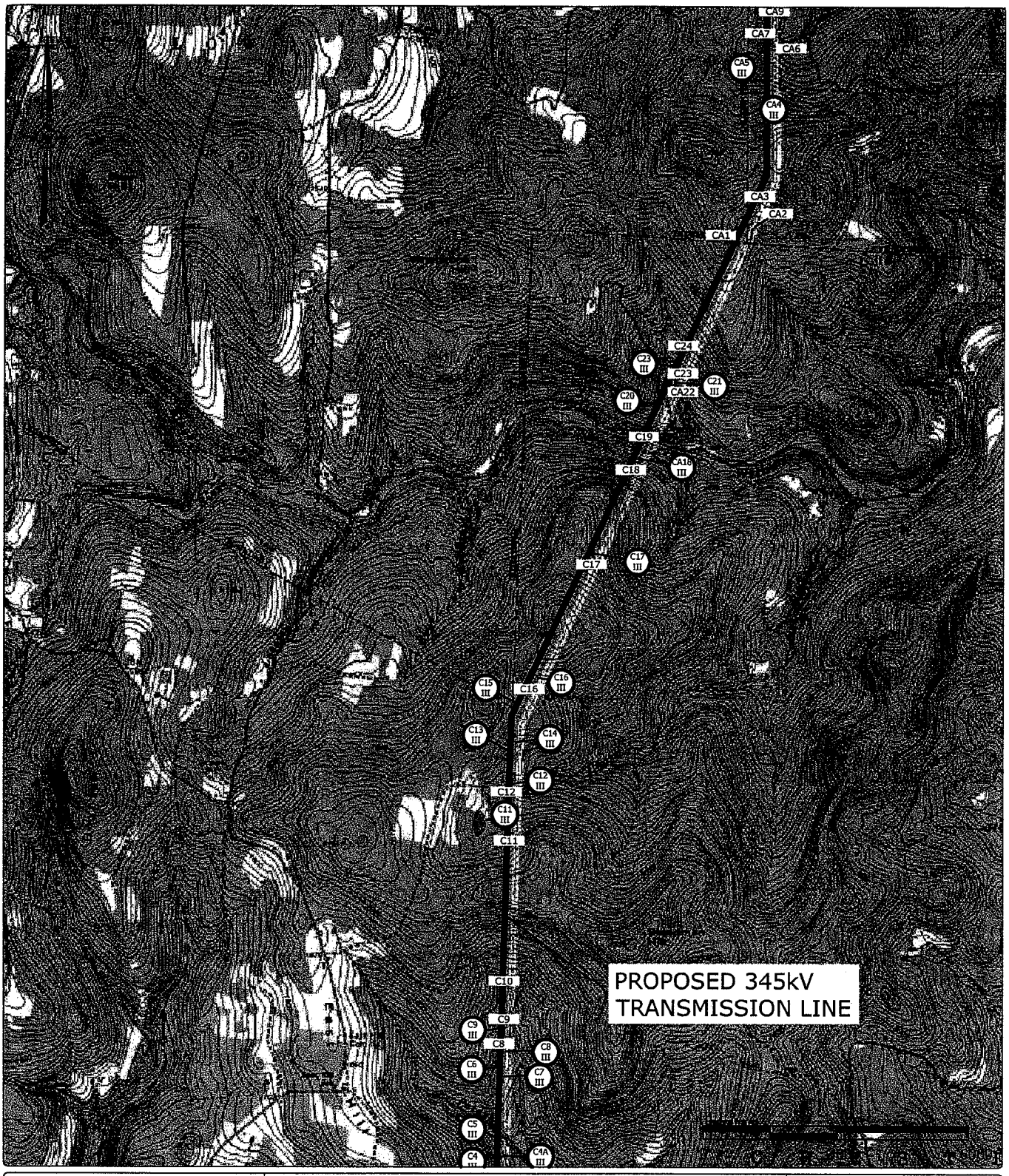
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-6



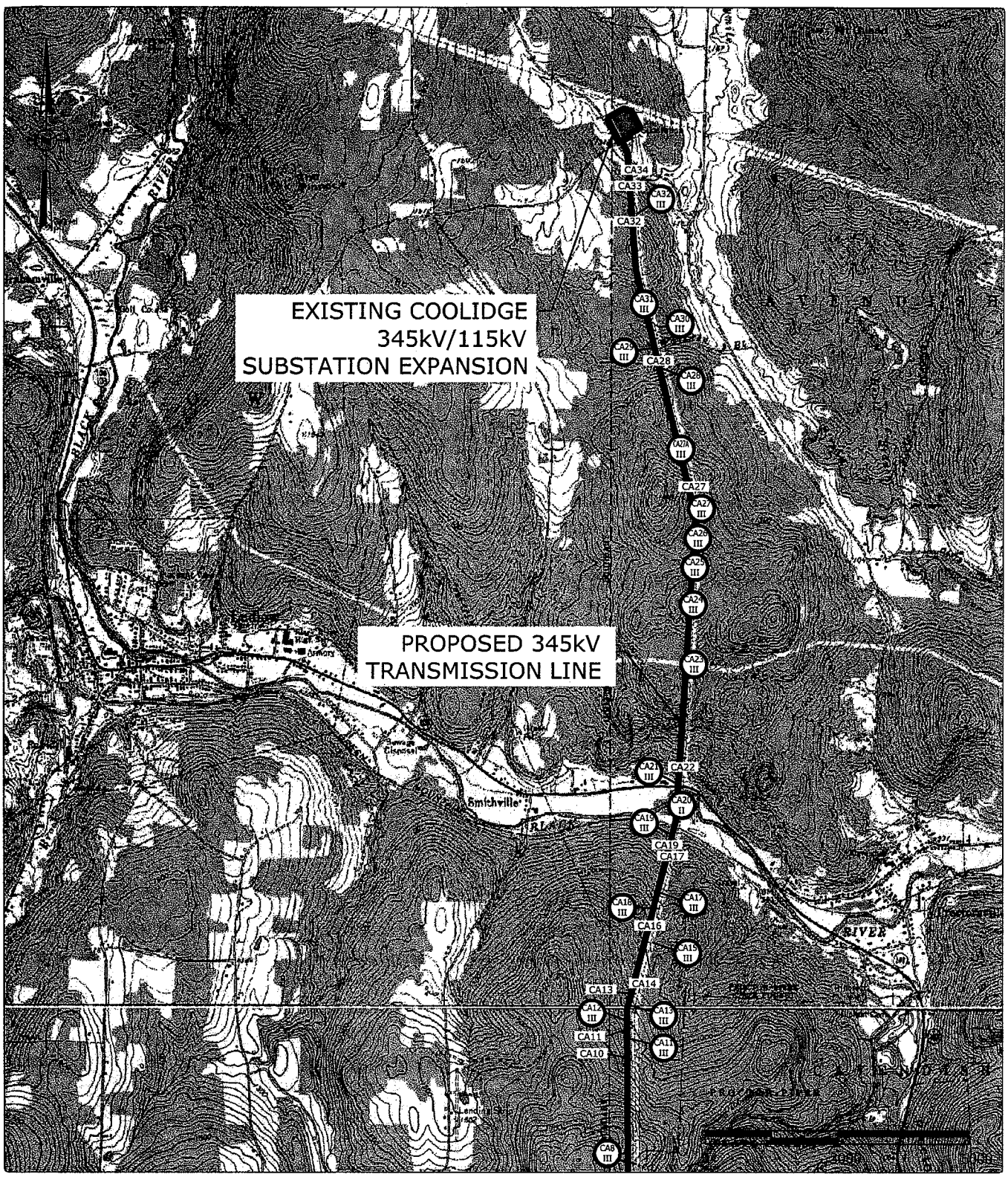
VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-7



VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-8



VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-9



VT TRANSCO VELCO VETCO	SOUTHERN LOOP PROJECT FOR VERMONT TRANSCO, LLC FROM VERNON to CAVENDISH, VERMONT	DATE: 2/5/09 SHEET: USGS-10

Southern Loop Project
Wetland Stream Impacts Summary Table

Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
NA	2	NA	Vernon			NA	NA						0	0	
1	3	V11 (S)	Vernon			NA	NA						60	0	Cersosimo Trust, Skibinowski, TransCanada Hydro, Central Vermont Rail Road, Vermont Transco,
2	4	V9 (W)	Vernon		X	PFO4	1, 2, 10	#2	10,420	30	0	16,480			Cersosimo Ind., Vermont Transco, Cersosimo Trust
2	4	V10 (S)	Vernon			NA	NA				60		60	0	Cersosimo Ind., Vermont Transco, Cersosimo Trust
3	4	V8 (W)	Vernon		X	PSS1	1, 2, 10		0	0	1,990	0			Cersosimo Ind., Vermont Transco
4	4	V7 (W)	Vernon		X	PFO4	1, 2, 10		1,490	0	1,120	9,030			Trombley, Cersosimo Ind., Shippe, Vermont Transco
5	5	V6 (W)	Vernon	X		PFO1	1, 2, 4, 9, 10		0	0	3,660	11,610			Mossy, Nelson, Trombley, Vermont Transco
5	5	V5 (W)	Vernon	X		PSS1	1, 2, 10		280	0	0	0			Damian, Vermont Transco, Mossy
NA	5	V6(S)	Vernon			NA	NA						0	0	
6	5	V4 (W)	Vernon		X	PFO4	1, 2, 10		0	0	840	0			Vermont Transco, Shark, Longley
7	6	V2 (W)	Vernon		X	PSS1	1, 2, 10		0	0	1,780	0			Vermont Transco, Baldwin
7	6	V3 (S)	Vernon			NA	NA						60	0	Crossman, Vermont Transco, Baldwin
N/A	6	V1 (S)	Vernon			NA	NA						0	0	
N/A	6	G1(S)	Guilford			NA	NA						0	0	
8	7	G2 (W)	Guilford		X	PFO4	1, 4		0	0	940	680			Vermont Transco, Dyer
9	7	G3 (W)	Guilford	X		PFO4	1, 2, 10		0	0	1,320	10,060			Vermont Transco, Dyer
9	7	G4 (W)	Guilford	X		PSS1	1, 2, 10		0	0	0	0			
10	7	G5(S)	Guilford			NA	NA						60	0	Slade
N/A	7	G6(S)	Guilford			NA	NA						0	0	
11	8	G7(S)	Guilford			NA	NA						60	0	Daniels, Lussier
12	8	G8(S)	Guilford			NA	NA						60	0	Daniels, Lussier
N/A	9	G9(S)	Guilford			NA	NA						0	0	
N/A	9	G10(S)	Guilford			NA	NA						0	0	
N/A	9	G10 (W)	Guilford	X		PEM	1, 2, 3, 4, 8, 10		0	0	0	0			
13	9/10	G11 (W)	Guilford	X		PEM	1, 2, 3, 4, 10	#26	7,890	30	0	0			Evans
13/14	9/10	G12 (W)	Guilford	X		PEM	1, 2, 4, 9, 10		12,750	0	17,730	0			Evans, Barrett Trust
14/15	10	G13 (W)	Guilford	X		PSS1	1, 2, 4, 10		10,010	0	0	0			Evans, Barrett Trust
16	10	G14 (W)	Guilford		X	PSS1	1, 2, 10		0	0	950	0			Evans, Vermont Transco
17	11	G15 (W)	Guilford	X		PFO4	1, 2, 4, 10		0	0	1,890	10,220			Vermont Transco, Hinrichs
N/A	11	G15.5 (W)	Guilford		X	PFO	1, 2, 4, 10					1,871			
N/A	12	G16 (W)	Guilford		X	PEM	1, 2, 4		0	0	0	0			
N/A	12	G17 (W)	Guilford		X	PFO4	1, 2, 10		0	0	0	780			
N/A	12	G18 (W)	Guilford		X	PEM	1, 2, 4, 10		0	0	0	0			
18	12	G19 (W)	Guilford		X	PSS1	1, 2, 10		0	0	170	0			Vermont Transco
19	13	G20 (W)	Guilford		X	PFO4	1, 2, 4, 10		4,740	0	6,250	18,700			Vermont Transco
20	14	B1 (W)	Brattleboro		X	PFO	1, 2, 10		2,890	0	0	10,140			Howarth, Nehrt, Miller
20	13/14	B1 (S)	Brattleboro			NA	NA						0	0	Howarth, Nehrt, Miller
21	14	B2 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	430	0			Nehrt, Miller/Taylor, Miller
22	14	B3 (W)	Brattleboro		X	PEM	1, 2, 9, 10		1,980	0	2,860	0			Earth Bridge Community Land Trust, Nehrt, Shultz, Bernier
22	14	B3 (S)	Brattleboro			NA	NA						0	0	
N/A	15	B4 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			
23	15	B5 (W)	Brattleboro		X	PFO1	1, 2, 4, 9, 10		5,960	0	2,710	293,700			Kennedy, Coutant, Goodenough Farm, Earth Bridge Community, Thomas
23	15	B5 (S)	Brattleboro			NA	NA						60	0	
24	16	B6 (W)	Brattleboro		X	PEM	1, 2, 10		7,080	0	2,570	0			Thurber Farms
24	16	B6 (S)	Brattleboro			NA	NA						60	0	Thurber Farms
N/A	16/17	B7 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			
25	17	B8 (W)	Brattleboro		X	PSS	1, 2, 10		520	0	0	0			Thurber Farms
N/A	17	B9 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			
N/A	17	B10 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			

Southern Loop Project
Wetland Stream Impacts Summary Table

Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
N/A	17	B11 (W)	Brattleboro		X	PEM	1, 2		0	0	0	0			
26	17	B11 (S)	Brattleboro			NA	NA						60	0	Thurber Farms, Thurber
N/A	17	B13 (W)	Brattleboro		X	PEM	1, 2		0	0	0	0			
26	17	B13 (S)	Brattleboro			NA	NA						60	0	Thurber Farm, Thurber
N/A	17/18	B12 (S)	Brattleboro			NA	NA						0	0	
N/A	18	B14 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			
N/A	18	B14 (S)	Brattleboro			NA	NA								
27	18	B14.5 (S)	Brattleboro			NA	NA						60	0	Robb, Thurber Farms
27	18	B15 (S)	Brattleboro			NA	NA						60	0	Robb, Thurber Farms
28	19	B16 (W)	Brattleboro		X	PSS1	1, 2, 10		6,200	0	450	0			Hamilton
28	19	B16 (S)	Brattleboro			NA	NA						120	0	Hamilton
N/A	19/20	B17/B17B (W)	Brattleboro		X	PSS/R3	1, 2, 10		0	0	0	0			
29	20	B17 (S)	Brattleboro			NA	NA						0	0	
29	20	B17B (S)	Brattleboro			NA	NA						60	0	Dean, Hamilton, Cooke Family Trust
30	20	B17A (W)	Brattleboro		X	PSS	1, 2, 10		0	0	2,350	0			McKay, JCR Realty, Inc.
30	20	B17A (S)	Brattleboro			NA	NA						0	0	
N/A	20/21	B18 (W)	Brattleboro		X	PEM	1, 2, 10		0	0	0	0			
31	22	B19 (W)	Brattleboro		X	PEM	1, 2, 3, 4, 8, 10		2,700	0	0	0			Curtis, Clark
31	22	B19 (S)	Brattleboro			NA	NA						0	0	
N/A	22	B20 (W)	Brattleboro		X	PSS/R4	1, 2		0	0	0	0			
32	22/23	B20 (S)	Brattleboro			NA	NA						0	0	
32	22/23	B21 (W)	Brattleboro		X	PEM	1, 2, 10		1,610	0	0	0			Cameron, Parry, Buffa
33	23	B22 (W)	Brattleboro		X	PSS1	1, 2	#83	19,460	60	0	0			Chamberlin
33	23	B22 (S)	Brattleboro			NA	NA						60	0	Chamberlin, Taft
34/35	24	D-1 (W)	Dummerston		X	PSS1	1, 2, 4, 10	#89	21,900	60	29,140	0			Gaunt, Leary, Ballantine, RJAE, LLC
35	24	D1 (S)	Dummerston			NA	NA						200		
36	25	D2 (W)	Dummerston		X	PFO1	1, 2, 3, 4, 8, 10		1,950	0	0	4,620			McDermet, Ellor
36	25	D2 (S)	Dummerston			NA	NA						160	0	McDermet, Ellor
N/A	26	D3 (W)	Dummerston		X	PFO1	1, 2, 3, 4, 8, 10		0	0	0	750			
N/A	26	D3 (S)	Dummerston			NA	NA						0	0	
37	26	D4 (W)	Dummerston		X	PSS1	1, 2, 10		0	0	810	0			Karg
38	27	D5 (W)	Dummerston		X	PSS1	1, 2, 4, 10		0	0	1,160	0			Vermont Transco, Barrows, Fasano
38	27	D6 (W)	Dummerston		X	PFO1	1, 2, 10		3,210	0	1,650	5,450			Vermont Transco, Fasano, Thomas
39	27	D7 (W)	Dummerston		X	PFO1	1, 2, 4, 9		11,660	0	0	44,440			Kuczek, Powling, Martin
40	28	D8 (W)	Dummerston		X	PSS1	1, 2, 10		800	0	4,330	0			Morgan, Martin
41	30	D9 (W)	Dummerston		X	PFO1	1, 2		5,020	0	3,770	17,600			Yale University, Crowell
41	30	D9 (S)	Dummerston			NA	NA						0	0	
41	30	D10 (W)	Dummerston		X	PSS1	1, 2	#113	0	0	1,200	0			Yale University
41	30	D10 (S)	Dummerston			NA	NA						60	0	Yale University
42	30	D10.5 (S)	Dummerston			NA	NA						0	0	
42/43	30	D11.5/NFT4 (W)	Dummerston		X	PFO1	All functions	#115	32,200	90	13,510	55,190			Patriquin
42	30	D11 (W)	Dummerston	X		PSS1/POW/PFO1	All functions					0			
44/45	31/32	D13 (W)	Dummerston		X	PFO4	1, 2, 4, 10	#120	32,950	60	760	44,110			Patriquin, Witter
44	31	D13 (S)	Dummerston			NA	NA						60	0	Patriquin, Conrad Wilson Estate
44	31	D14 (W)	Dummerston		X	PSS1	1, 2, 10		2,620	0	0	0			Witter
45	32	D15 (S)	Dummerston			NA	NA						0	0	
45	32	D16 (S)	Dummerston			NA	NA						0	0	
46	32	NFT1 (W)	Dummerston		X	PSS4	1, 2, 10		0	0	2,060	0			Conrad Wilson Estate
46	32	NFT2 (W)	Dummerston		X	PFO1	1, 2, 10		0	0	0	0			
46	32-1	NFT2 (S)	Dummerston			NA	NA						60	0	Conrad Wilson Estate
46	32	NFT3 (W)	Dummerston		X	PSS1	1, 2, 10		0	0	2,110	0			Conrad Wilson Estate
N/A	N/A	NFS1 (W)	Newfane		X	PFO1	1, 2, 10		0	0	0	0			
N/A	N/A	NFS1 (W)	Newfane		X	PSS1	1, 2, 10		0	0	0	0			
47	34	BR2 (W)	Brookline		X	PFO1	2, 10		0	0	0	2,530			
47	34	BR2 (S)	Brookline			NA	NA								
47	34	BR3 (W)	Brookline		X	PFO1	2, 10		710	0	0	3,460			Vermont Transco
47	34	BR3 (S)	Brookline			NA	NA						0	0	

Southern Loop Project
Wetland Stream Impacts Summary Table

Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
48	34/5	BR4 (W)	Brookline		X	PSS4	2, 10		0	0	0	0			
N/A	34/35	BR4 (S)	Brookline			NA	NA						0	0	
48	35	BR5 (S)	Brookline			NA	NA						60	0	Ezequelle
48	35	BR6 (S)	Brookline			NA	NA						0	0	
49	35	BR7 (S)	Brookline			NA	NA						60	0	Malloy, Ezequelle, Vermont Transco
N/A	36	BR8 (W)	Brookline		X	PFO1	1, 2, 4, 10		0	0	0	3,820			
N/A	36	BR9 (W)	Brookline		X	PFO4	1, 2, 10		0	0	0	6,910			
N/A	36	BR9 (S)	Brookline			NA	NA						0	0	
50	36	BR10 (S)	Brookline			NA	NA						0	0	
50	36/37	BR11 (W)	Brookline		X	PSS1	1, 2, 10		0	0	1,520	0			Susic
51	37	BR12 (W)	Brookline	X		PSS1	1, 2, 4, 9, 10		0	0	3,110	0			Susic
51	37	BR13 (W)	Brookline	X		PSS1	1, 2, 10		1,310	0	2,820	0			Susic
52	38	BR14 (W)	Brookline		X	PFO1	1, 2, 10		3,090	0	0	11,260			Cutts, Nau, Osgood
53	38	BR15 (W)	Brookline		X	PFO1	1, 2, 4, 10		0	0	0	2,620			
53	38	BR16 (W)	Brookline		X	PFO1	1, 2, 4, 10		0	0	0	2,050			
53/54	38	BR17 (W)	Brookline		X	PFO1	1, 2, 4, 10		8,520	0	6,370	33,680			Bovat, Osgood
55	39	BR18 (S)	Brookline			NA	NA						120	0	Obrien, Bergner
56	39	BR19 (W)	Brookline		X	PSS1	1, 2, 10		770	0	0	0			Bergner
57	40	T1 (S)	Townshend			NA	NA						400	0	Renaud, Vermont Transco, MBF Qualified Personal Residence Trust
57	40	T2 (S)	Townshend			NA	NA						400	0	Raskevitz, Renaud
N/A	41	T3 (W)	Townshend	X		PSS1	1, 2, 10		0	0	0	0			
58	41	T3 (S)	Townshend			NA	NA						0	0	
N/A	41	T4 (W)	Townshend		X	PFO1	1, 2, 10		0	0	0	0			
58	41	T5 (W)	Townshend	X		PFO1	1, 2, 4, 10		3,010	0	0	12,360			Allweier, Vermont Transco, Korner
59	42/43	T6 (S)	Townshend			NA	NA						60	0	Parker, Biathrow
60	43/44	T8 (W)	Townshend		X	PFO1	1, 2, 3, 4, 10		0	0	0	0			
60	43/44	T8 (S)	Townshend			NA	NA						60	0	Parker, Dickson
61	45	T9 (W)	Townshend		X	PFO1	1, 2, 3, 4, 10		0	0	2,470	19,670			Cutts, Parker
61	45	T9 (S)	Townshend			NA	NA						60	0	Cutts
62	45	T10 (W)	Townshend	X		PFO1	1, 2, 4, 5, 8		0	0	0	19,050			
62	45	T11 (W)	Townshend	X		PFO4	1, 2, 4, 7, 8, 9, 10		0	0	3,510	7,920			Parker, Cutts
63	45	T12 (W)	Townshend		X	PFO1	1, 2, 10		1,050	0	0	3,760			Cutts
64/65	46	T13 (W)	Townshend		X	PFO1	1, 2, 4, 10	#185	39,510	60	0	90,350			Eckhardt
65	46	T14 (W)	Townshend		X	PFO1	1, 2, 10		2,370	0	1,120	8,840			Eckhardt
65	46	T14 (S)	Townshend			NA	NA						60	0	Eckhardt
65	46	T16 (W)	Townshend		X	PSS1	1, 2, 4		1,420	0	3,680	0			Eckhardt, Labrie
66	47	T15 (W)	Townshend	X		PEM	1, 2, 3, 4, 6, 7, 8,		2,830	0	0	0			Ferenbach
N/A	47	T16.5 (W)	Townshend		X	PSS1	1, 2, 4, 10		0	0	0	0			
67	48	T17 (W)	Townshend		X	PFO1	1, 2, 3, 4, 10		0	0	1,020	4,260			Ferenbach, Russ, Thomas
67	48	T17 (S)	Townshend			NA	NA						200	0	Russ, Thomas
67	48	T18 (W)	Townshend		X	PFO1	1, 2, 3, 4, 10		7,590	0	0	22,110			Bernegger, Thomas, Russ
67	48	T18 (S)	Townshend			NA	NA						0	0	
68	48/49	T19 (W)	Townshend		X	PFO4	1, 2, 10		2,220	0	770	8,080			Pikikero
68	49	T20 (S)	Townshend			NA	NA						600	0	Pikikero, Fisher
N/A	49	T21 (S)	Townshend			NA	NA						0	0	
69/70	49/50	T22 (S)	Townshend			NA	NA						180	580	Minoque, Jones, Vermont Transco
70	50	T22 (W)	Townshend		X	PSS1	1, 2, 10		0	0	0	0			
71	50	T23 (W)	Townshend		X	PSS1	1, 2, 10		0	0	3,340	0			Vermont Transco
71	50	T24 (W)	Townshend		X	PFO4	1, 2, 10		0	0	0	1,340			
72	50/51	T25 (W)	Townshend		X	PFO1	1, 2, 10		15,320	0	2,800	22,730			Baldwin
73	51	T26 (S)	Townshend			NA	NA						60	0	Baldwin
73	51	T27 (S)	Townshend			NA	NA						60	0	Baldwin
74/75	51/52	T28 (W)	Townshend		X	PFO1	1, 2, 10		0	0	910	2,080			Baldwin
74/75	51/52	T28 (S)	Townshend			NA	NA						280	520	Baldwin
75	52	T29 (W)	Townshend		X	PFO4	1, 2, 10		0	0	0	420			
75	52	T30 (W)	Townshend		X	PSS1	1, 2, 10		0	0	0	0			
75	52	T30 (S)	Townshend			NA	NA						0	0	

Southern Loop Project
Wetland Stream Impacts Summary Table

Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
76	52	T31 (W)	Townshend		X	PFO1/PSS	1, 2, 10		1,290	0	1,560	4,610			Baldwin, Wallick
77	53	T32 (W)	Townshend	X		POW	1, 2, 10		1,399	0	3,410	0			Judice, Lasher, MacDougall, Gilleski
78	53	T33 (W)	Townshend	X		POW	1, 2, 3, 4, 5, 7, 8,		2,271	0	1,520	0			Gilleski
78	53	T33 (S)	Townshend			NA	NA						60	0	
N/A	54	T34 (W)	Townshend		X	PFO1	1, 2, 10		0	0	0	0			
N/A	54	T34 (S)	Townshend			NA	NA						0	0	
N/A	54/55	T35 (W)	Townshend		X	PSS1	1, 2, 3, 4, 8, 10		0	0	0	0			
N/A	54	T35 (S)	Townshend			NA	NA						0	0	
79	55	GR1 (W)	Grafton		X	R3/PFO	1, 2, 4, 10		2,020	0	1,180	1,800			Tarbell
79	55	GR1 (S)	Grafton			NA	NA						60	0	Tarbell
79	55	GR1A (W)	Grafton		X	PSS1	1, 2, 5, 10		0	0	0	0			
80	55/56	GR2 (W)	Grafton		X	PSS1	1, 2, 10		2,380	0	1,970	0			Meadowsend, Tarbell, Ladeau
81/82	56/57	GR3 (W)	Grafton		X	PSS1	1, 2, 10		2,170	0	0	0			Ladeau, Meadowsend
82	57	GR4 (W)	Grafton		X	R4/PFO	1, 2, 10		550	0	630	5,890			Meadowsend
82	57	GR4 (S)	Grafton			NA	NA						60	0	Meadowsend, Ladeau
N/A	57	GR5 (W)	Grafton		X	PSS1	1, 2, 10		0	0	0	0			
N/A	57	GR6 (W)	Grafton		X	PSS1	1, 2, 10		0	0	0	0			
83	57/58	GR7 (W)	Grafton		X	PFO1	1, 2, 10		4,730	0	0	0			Meadowsend
84	58	W1 (W)	Windham		X	PFO4	1, 2, 10		3,580	0	0	13,620			Meadowsend, Butynski
N/A	59	W2 (W)	Windham		X	PSS1	1, 2, 10		0	0	0	0			
85	59	W3 (W)	Windham		X	PFO1	1, 2, 4, 10		17,377	0	0	39,230			Meadowsend
N/A	60	W4 (W)	Windham		X	PFO1	1, 2, 10		0	0	0	0			
86/87	60	W5 (W)	Windham		X	PFO1	1, 2, 3, 4, 10	#251	19,010	60	0	14,850			Meadowsend
86/87	60	W5 (S)	Windham			NA	NA						0	0	
N/A	61	W6 (W)	Windham		X	PSS1	1, 2, 10		0	0	0	0			
88	61	W7 (W)	Windham	X		PFO4	1, 2, 4, 10		5,910	0	0	21,370			Meadowsend
88	61	W7 (S)	Windham			NA	NA						0	0	
89	61	W8 (W)	Windham		X	PFO1	1, 2, 10		1,140	0	0	4,410			Meadowsend
N/A	62	W9 (W)	Windham		X	PFO1	1, 2, 10		0	0	0	3,260			
N/A	62	W9 (S)	Windham			NA	NA						0	0	
N/A	63	W10 (W)	Windham	X		PSS1	1, 2, 10		0	0	0	0			
N/A	63	W10 (S)	Windham			NA	NA						0	0	
N/A	63	W11 (W)	Windham		X	R3/PSS	1, 2, 10		0	0	0	0			
N/A	63	W11 (S)	Windham			NA	NA						0	0	
N/A	63/64	W12 (W)	Windham		X	PFO4	1, 2, 10		0	0	0	4,470			
N/A	64/65	W13 (S)	Windham			NA	NA						0	0	
90	65	W14 (W)	Windham		X	PFO1	1, 2, 3, 4, 10		1,720	0	0	5,220			Dennis
90	65	W14 (S)	Windham			NA	NA						0	0	
90	65	W15 (W)	Windham		X	PFO1	1, 2, 3, 4, 10		8,940	0	0	17,750			Dennis
90	65	W15 (S)	Windham			NA	NA						0	0	
91	66	W16 (W)	Windham		X	PSS1	1, 2, 10		0	0	0	0			
91	66	W17 (W)	Windham		X	PSS1	1, 2, 10		320	0	0	0			Dennis
91	66	W18 (W)	Windham		X	PSS1	1, 2, 10		210	0	0	0			Dennis
91	66	W18 (S)	Windham			NA	NA						0	0	
97	67	W19 (W)	Windham		X	PSS1	1, 2, 10		0	0	0	0			
92	67/68	W20 (W)	Windham		X	R3/PEM	1, 3, 4		1,240	0	0	0			Valley International Properties
92	67/68	W20 (S)	Windham			NA	NA						0	0	
N/A	68	W21 (W)	Windham		X	PFO1	1, 2, 4, 9 10		0	0	0	5,730			
N/A	68	W21 (S)	Windham			NA	NA						0	0	
93	68	W22 (S)	Windham			NA	NA						0	0	
93	68	W22 (W)	Windham		X	PFO1	1, 2, 3, 4, 8, 10		15,800	0	0	41,580			Bourque, Wagner, Larvia
94/95	69	A1 (S)	Andover			NA	NA						0	0	
94/95	69	A1 (W)	Andover	X		PFO1	1, 2, 4, 10	#289	34,430	60	0	68,280			Town of Andover
96	71	A2 (W)	Andover		X	PFO1	1, 2, 10		7,180	0	0	14,780			Laquidara
96	71	A3 (S)	Andover			NA	NA						0	0	Ingersoll
97	71	A3 (W)	Andover		X	PFO1	1, 2, 4, 10		6,320	0	0	28,090			Laquidara
98	71/72	A4 (W)	Andover		X	PFO1	1, 2, 10		9,810	0	5,540	19,170			Laquidara
N/A	72	A5 (S)	Andover			NA	NA						0	0	
N/A	72	A6 (S)	Andover			NA	NA						0	0	

Southern Loop Project
Wetland Stream Impacts Summary Table

Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
N/A	73	A7 (W)	Andover		X	PSS1	1, 2, 10		0	0	0	0			
N/A	73	A8 (S)	Andover			NA	NA						0	0	
99	73	A9 (W)	Andover	X		PFO1	1, 2, 3, 4, 8, 10		3,180	0	0	10,060			Carlock, Matthews, VTRANS, Smith
N/A	73	A9 (S)	Andover			NA	NA								
100	73	A10 (W)	Andover		X	PSS1	1, 2, 4, 10		6,530	0	5,370	0			Carlock
101	74/75	A11 (W)	Andover		X	PFO4	1, 2, 10		1,790	0	0	5,380			Guihan, Chaves, Guihan
101	74	A11 (S)	Andover			NA	NA						0	0	
101	74	A11.a (S)	Andover			NA	NA						0	0	
N/A	74	A12 (S)	Andover			NA	NA						0	0	
102	76	C1 (S)	Chester			NA	NA						60	0	Eddy, Bliss
103	77	C2 (S)	Chester			NA	NA						200	0	Farrar Revocable Trust, Farrar Family Trust
104	77	C3 (W)	Chester		X	PSS1	1, 2, 10		0	0	9,600	0			Maly,Farrar Family Trust,Ramsland, Vermont Transco, Howard
105	77	C4 (S)	Chester			NA	NA						60	0	Anderson, Thompson
106	77/78	C4A (W)	Chester		X	PSS	1, 2, 10		4,410	0	0	0			Anderson, Wharton, Town of Chester
106	78	C5 (W)	Chester		X	PFO1	1, 2, 3, 4, 10		4,590	0	0	0			Bacon, Wharton, Anderson, Plumb
106	78	C5 (S)	Chester			NA	NA						0	0	
107	78	C6 (W)	Chester		X	PSS1	1, 2, 10		0	0	0	0			
107	78	C7 (W)	Chester		X	PSS1/PFO1	1, 2, 10		2,010	0	0	12,850			Plumb, Bernier
N/A	78	C8 (W)	Chester		X	PEM/R4	1, 2, 10		0	0	0	0	0		
107	78	C8 (S)	Chester			NA	NA						0	0	
N/A	78/79	C9 (W)	Chester		X	PEM/R4	1, 2, 10		0	0	0	0			
N/A	78/79	C9 (S)	Chester			NA	NA						0	0	
N/A	79	C10 (S)	Chester			NA	NA						0	0	
108	80	C11 (S)	Chester			NA	NA						0	0	
108/109	80	C11 (W)	Chester		X	PSS1/PFO1	1, 2, 4, 7, 9, 10		19,950	0	0	58,660			Donabedian
109	80	C12 (W)	Chester		X	R3/PFO1	1, 2, 4		0	0	0	290			
109	80	C12 (S)	Chester			NA	NA						0	0	
110	81	C13 (W)	Chester		X	PFO1	1, 2, 10	#340	8,820	30	0	0			Vermont Transco, Sullivan, Galkin
N/A	81	C14 (W)	Chester		X	PSS1	1, 2, 10		0	0	0	0			
111	81	C15 (W)	Chester		X	PSS1	1, 2, 10		2,230	0	0	0			Galkin, Vermont Transco
111	81	C16 (W)	Chester		X	PSS1/PFO1	1, 2, 4, 10		5,170	0	0	19,140			Galkin, Vermont Transco
111	81	C16 (S)	Chester			NA	NA						60	0	Galkin, Vermont Transco
112	82	C17 (W)	Chester		X	PSS1	2, 10		0	0	830	0			Galkin, Stevens, Vermont Transco
112	82	C17 (S)	Chester			NA	NA						60	0	Galkin, Vermont Transco
113	83	C18 (W)	Chester		X	R4/PEM	1, 2		0	0	970	0			Vermont Transco, Clark, Hamberger, Stevens
113	83	C18 (S)	Chester			NA	NA						0	0	
N/A	83	C19 (S)	Chester			NA	NA						0	0	
114	84	C20 (W)	Chester		X	PSS1	1, 2, 10		3,190	0	1,860	0			Vermont Transco
115	84	C21 (W)	Chester		X	PFO1	1, 2, 10		7,340	0	0	30,990			Vermont Transco
115	84	C21 (S)	Chester			NA	NA						0	0	
115	84	C22 (S)	Chester			NA	NA						0	0	
115	84	C23 (W)	Chester		X	PSS1/PEM	1, 2, 10		970	0	0	0			Vermont Transco
115	84	C23 (S)	Chester			NA	NA						60	0	Vermont Transco
116	84	C24 (S)	Chester			NA	NA						120	0	Vermont Transco, Cyprus Windsor Minerals Corp, Morrison
117	85	CA1 (S)	Cavendish			NA	NA						60	0	Bidgood, Cyprus Windsor Minerals Corp.
117	85	CA2 (S)	Cavendish			NA	NA						60	0	Cyprus Windsor Minerals Corp., Bidgood
117	85	CA3 (S)	Cavendish			NA	NA						60	0	Bidgood, Cyprus Windsor Minerals Corp.
N/A	86	CA4 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
118	86	CA5 (W)	Cavendish		X	PSS1	1, 2, 10	#367	10,550	30	0	0			Cyprus Windsor Minerals Corp.

Southern Loop Project
Wetland Stream Impacts Summary Table

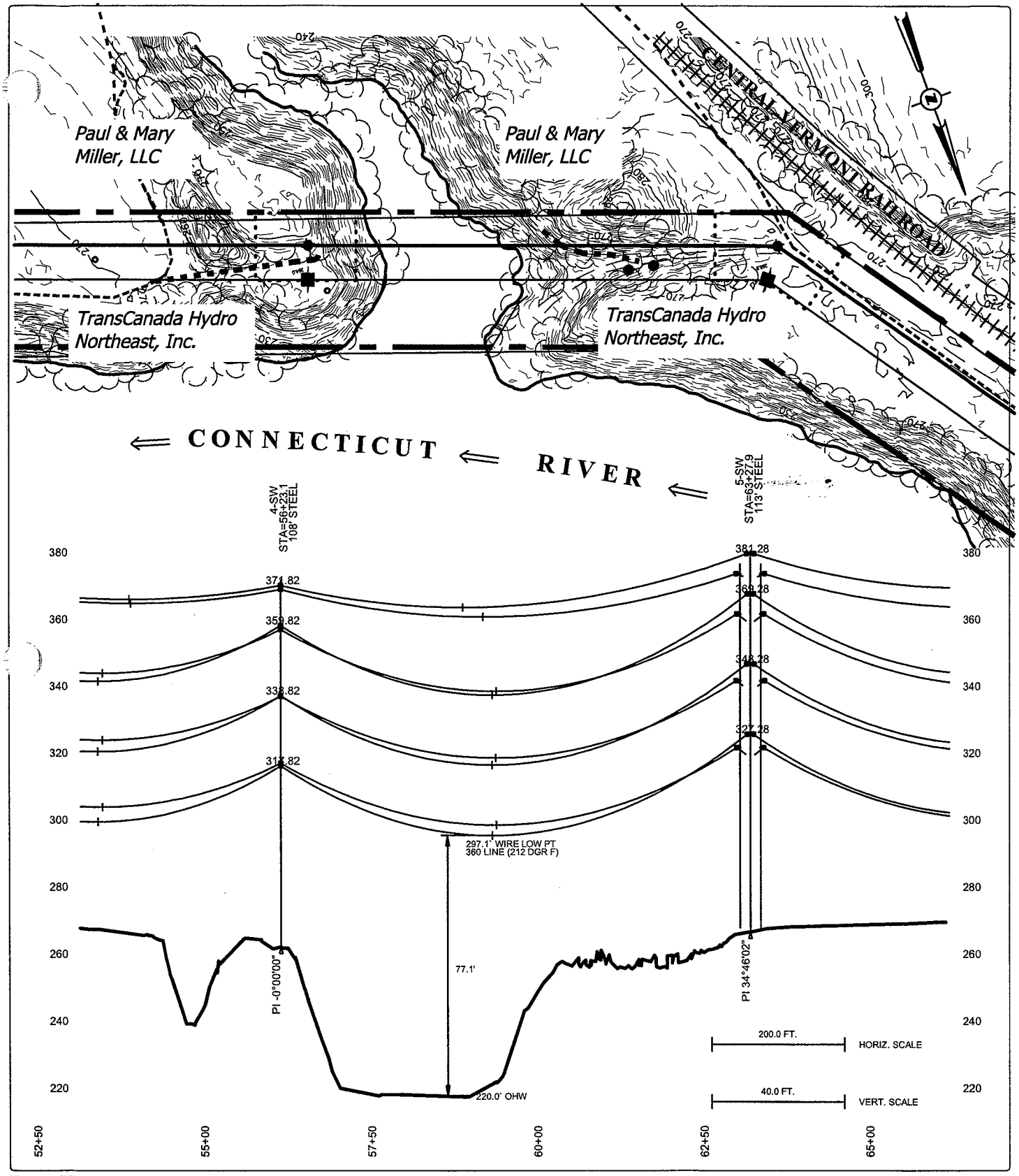
Cut Sheet #	Site Plan Sheet # 7/21/08	Feature ID W=Wetland S=Stream	Town	Class II Wetland	Class III Wetland	Cowardin Classification[1]	Functions and Values[2]	Impacted by Proposed Structure	ACOE 404 Wetland Impact Area (sq. ft.)				ACOE 404 Stream Impact Area (sq. ft.)		Abutter
									Temporary Impact	Permanent Impact (structure)	Permanent Impact (access road)	Tree Clearing	Impact Area (Permanent)	Impact Area (Temporary)	
118	86/87	CA6 (S)	Cavendish			NA	NA						0	0	
118	87	CA7 (S)	Cavendish			NA	NA						60	0	Cyprus Windsor Minerals Corp.
119	87	CA8 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
119	87	CA9 (S)	Cavendish			NA	NA						60	0	Cyprus Windsor Minerals Corp.
120	88	CA10 (S)	Cavendish			NA	NA						0	0	
120	88	CA11 (W)	Cavendish		X	PFO1	1, 2, 10	#373	14,490	60	0	20,770			Cyprus Windsor Minerals Corp.
121	88	CA11 (S)	Cavendish			NA	NA						0	0	
121	88	CA12 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
121	88	CA13 (W)	Cavendish		X	PFO1	1, 2, 10	#374	21,620	90	0	30,960			Cyprus Windsor Minerals Corp, Fletcher Farms
121	88	CA13 (S)	Cavendish			NA	NA						0	0	
N/A	88	CA14 (S)	Cavendish			NA	NA						0	0	
122	89	CA16 (S)	Cavendish			NA	NA						60	0	Vermont Transco, Fletcher Farms
122/123	89	CA17 (W)	Cavendish		X	PFO	1, 2, 4, 10	#378/379	57,620	120	0	95,350			Vermont Transco, Fletcher Farms
123/124	89	CA17 (S)	Cavendish			NA	NA						0	0	
122	89	CA18 (W)	Cavendish		X	PEM	1, 2, 10		0	0	0	0			
124	89	CA19 (W)	Cavendish		X	PFO1	1, 2, 10		7,940	0	0	30,440			Norton, Green Mountain Rail Road, Fletcher Farms
124	89	CA19 (S)	Cavendish			NA	NA						0	0	
125	90	CA20 (W)	Cavendish	X		PFO1	1, 2, 3, 4, 5, 7, 8,		8,370	0	0	0			Norton, Gnazzo, VTRAN
125	90	CA20 (S)	Cavendish			NA	NA						0	0	
N/A	90	CA21 (W)	Cavendish		X	PFO1	1, 2, 10		0	0	0	3,290			Vermont Transco
N/A	90	CA21 (S)	Cavendish			NA	NA						0	0	
N/A	90	CA22 (S)	Cavendish			NA	NA						0	0	
126	91	CA23 (W)	Cavendish		X	PSS1	1, 2, 4, 10		3,950	0	0	0			Vermont Transco, Fletcher Farms
N/A	91	CA24 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
127	91/92	CA25 (W)	Cavendish		X	PFO1	1, 2, 10	#390	12,650	30	0	20,680			Vermont Transco, Tyrell, Maier
N/A	92	CA26 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
128	92	CA27 (W)	Cavendish		X	PFO1	1, 2, 10	#391	16,705	60	0	0			Maier, Vermont Transco, Tyrell
128	92	CA27 (S)	Cavendish			NA	NA						0	0	
N/A	92	CA27A (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
129	93	CA28 (W)	Cavendish		X	PEM	1, 2, 10		0	0	0	0			
129	93	CA28 (S)	Cavendish			NA	NA						0	0	
129	93	CA29 (W)	Cavendish		X	R3/PSS1	1, 2, 10		1,380	0	0	0			Schofield, Vermont Transco, Parrish
129	93	CA29 (S)	Cavendish			NA	NA						0	0	
129	93	CA30 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
130	93/94	CA31 (W)	Cavendish		X	PFO4	1, 2, 10		6,480	0	1,180	21,040			Schofield
N/A	94/95	CA32 (W)	Cavendish		X	PSS1	1, 2, 10		0	0	0	0			
N/A	94	CA32 (S)	Cavendish			NA	NA						0	0	
N/A	95	CA33 (S)	Cavendish			NA	NA						0	0	
N/A	95	CA34 (S)	Cavendish			NA	NA						0	0	
N/A	N/A	NFS1 (W)	Newfane		X	PFO1	1, 2, 10		0	0	0	0			
								Total ft² of Impact	**679742.00**	**930.00**	**179630.00**	**1518740.48**	**5260.00**	**1100.00**	
								Total Acres of Impact	**15.60472911**	**0.021349862**	**4.123737374**	**34.87**	**0.120752984**	**0.025252525**	

[1]Cowardin Acronyms:

Palustrine emergent wetland	PEM
Palustrine scrub-shrub wetland, broad-leaved deciduous	PSS1
Palustrine scrub-shrub wetland, needle-leaved evergreen	PSS4
Palustrine forested wetland, broad-leaved deciduous	PFO1
Palustrine forested wetland, needle-leaved evergreen	PFO4
Palustrine open water wetland	POW
Riverine, upper perennial	R3
Riverine, intermittent	R4

[2]Functions and Values numbers refer to the Vermont Wetland Functions and Values, per the Vermont Wetland Rules under 10 V.S.A. § 905(7). The following describes how the Vermont Functions and Values as contained in this table relate to the Federal Functions and Values, designated in the Highway Methodology Workbook *Supplement* (1993) published by the Army Corps of Engineers New England District Regulatory Branch.

SOUTHERN LOOP PROJECT
2/5/09



VT TRANSCO VELCO VETCO

SOUTHERN LOOP PROJECT

FOR

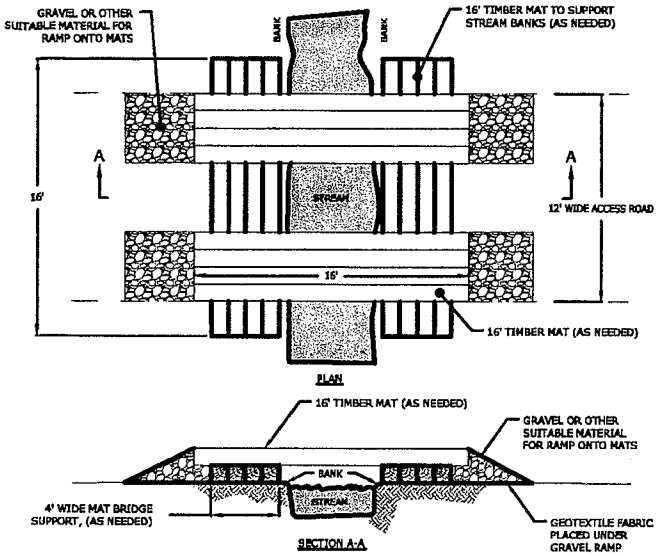
VERMONT TRANSCO, LLC

IN

VERNON, VERMONT

DATE: 12/12/08

SHEET: NW-1

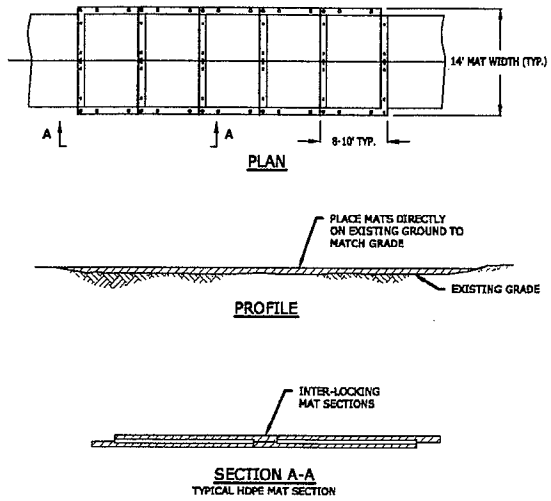


NOTES

1. DEPLOY EROSION CONTROLS AS NEEDED TO MINIMIZE EROSION.
2. PERFORM ROUTINE INSPECTION TO INCLUDE REMOVAL OF LOOSE SOIL TRACKED ONTO BRIDGE BY EQUIPMENT AND INSPECTION OF STREAM BANKS FOR STABILITY.
3. MATS SHALL BE POSITIONED TO RETAIN THE NATURAL STREAM CHARACTERISTICS.
4. MATS LAID PERPENDICULAR TO THE STREAM CAN BE SUBSTITUTED WITH PRE-FABRICATED BRIDGE STRUCTURES AS SPAN LENGTHS DICTATE OR AT THE PREFERENCE OF THE CONTRACTOR.

TIMBER MAT BRIDGE DETAIL

N.T.S.

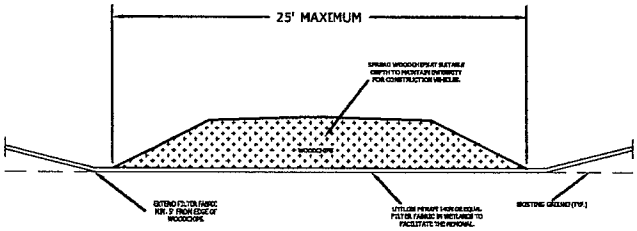


NOTES

1. TO BE INSTALLED AS NECESSARY TO MITIGATE WETLAND IMPACTS DURING CONSTRUCTION ACCESS.
2. THIS DETAIL SHOWS TYPICAL MAT DIMENSIONS. MAT MATERIAL TYPICALLY INCLUDES HDPE, TIMBER, OR LAMINATED WOOD. MAT DIMENSIONS MAY BE SLIGHTLY DIFFERENT FROM WHAT IS SHOWN.
3. MATS WILL BE USED AS NEEDED FOR ACCESS AND WORK SPACE AND LABELED AS "TEMPORARY WETLAND IMPACTS" ON WETLAND IMPACT EXHIBIT DRAWINGS; EXCEPT WHERE IN AREAS ACCESS IS SPECIFICALLY SHOWN AS TEMPORARY GRAVEL AND FILTER FABRIC. MATS MAY BE SUBSTITUTED FOR GRAVEL AND FABRIC BUT GRAVEL AND FABRIC SHALL NOT BE SUBSTITUTED FOR MATS.

SWAMP MAT DETAIL

N.T.S.

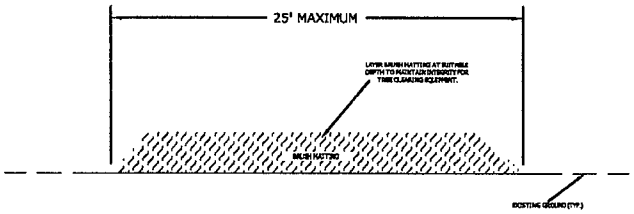


NOTES:

1. SPREAD WOODCHIPS AT A SUITABLE DEPTH TO MAINTAIN INTEGRITY FOR CONSTRUCTION EQUIPMENT.
2. FILTER FABRIC TO BE PLACED ON EXISTING GRADE IN WETLANDS PRIOR TO CONSTRUCTING WOODCHIP ROAD.
3. WOODCHIPS ARE NOT TO BE UTILIZED IN OPEN WATER WETLANDS OR STREAMS.
4. UPON COMPLETION OF WORK, WOODCHIP ROADS ARE TO BE REMOVED FROM WETLANDS AND/ OR BROADCAST IN A THIN LAYER.
5. PERFORM ROUTINE INSPECTIONS FOR INTEGRITY AND TO ENSURE ADEQUATE WETLAND PROTECTION.

TEMPORARY WOODCHIP ROAD SECTION

N.T.S.



NOTES:

1. LAYER BRUSH MATTING AT SUITABLE DEPTH TO MAINTAIN INTEGRITY FOR TREE CLEARING EQUIPMENT.
2. REMOVE ALL BRUSH MATTING FROM WETLANDS UPON COMPLETION OF WORK PERFORMED UPON SAID MATTING.
3. BRUSH MATTING IS NOT TO BE UTILIZED IN OPEN WATER WETLANDS OR STREAMS.
4. PERFORM ROUTINE INSPECTIONS FOR INTEGRITY AND TO ENSURE ADEQUATE WETLAND PROTECTION.

TEMPORARY BRUSH MATTING

N.T.S.

VT TRANSCO VELCO VETCO

SOUTHERN LOOP PROJECT

FOR

VERMONT TRANSCO, LLC

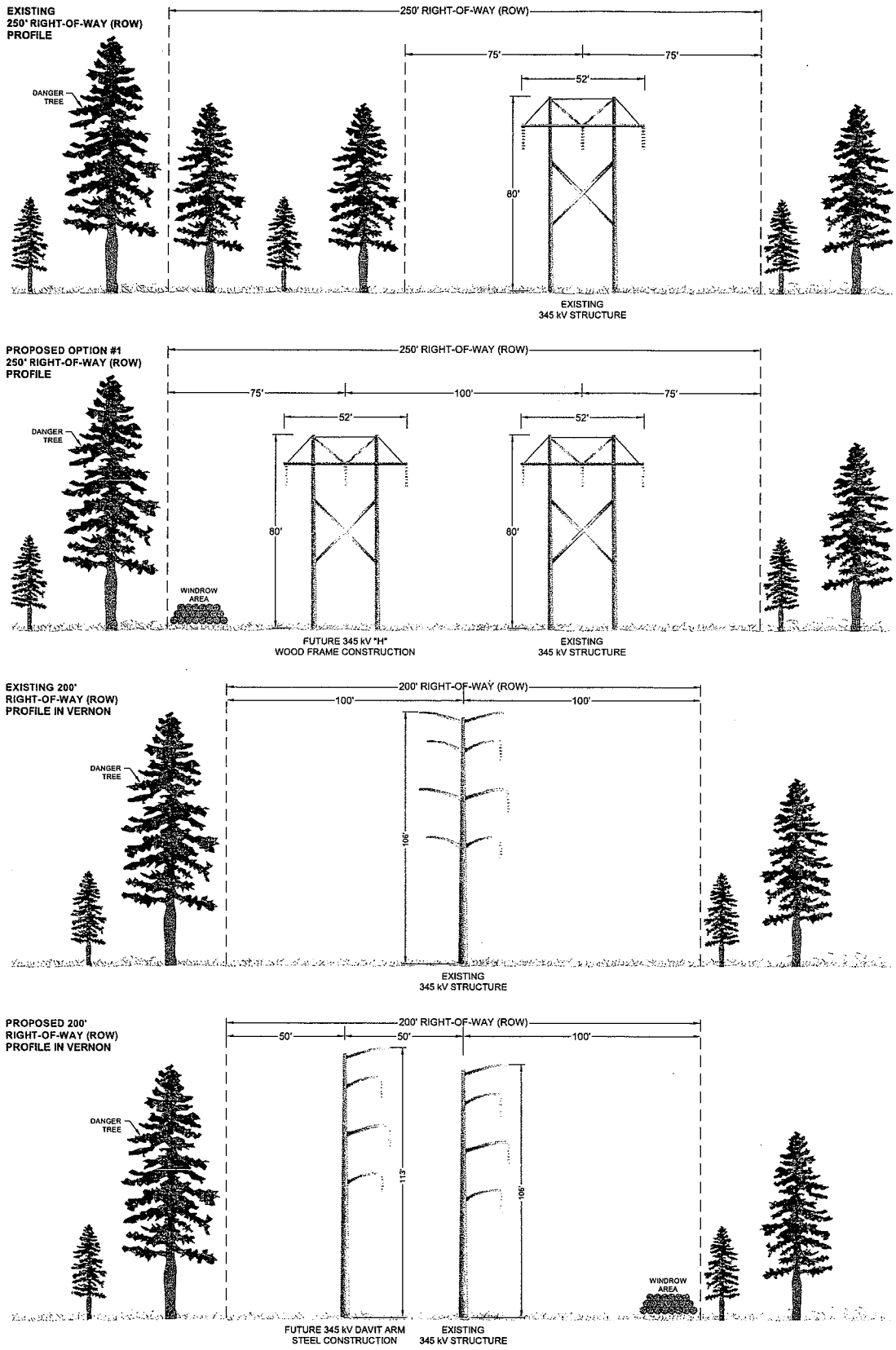
FROM

VERNON to COOLIDGE

DATE: 12/12/08

SHEET: D-1

Vernon - Cavendish Typical Right-Of-Way Cross Sections



NOTES:

1. ALL CROSS SECTIONS ARE DISPLAYED LOOKING GENERALLY NORTH.
2. THE CROSS SECTIONS REFLECT STRUCTURE HEIGHTS ON GENERALLY FLAT TOPOGRAPHY AND ARE NOT INTENDED TO BE EXACT REPLICAS OF THE ACTUAL STRUCTURE HEIGHTS; THE H-FRAME HEIGHTS GENERALLY RANGE FROM 60' TO 110'; THE VERNON SINGLE POLE STEEL STRUCTURES GENERALLY RANGE FROM 100' TO 120'.

VT TRANSCO VELCO VETCO

SOUTHERN LOOP PROJECT
12/12/08

REV	DATE	DR	CK	DESCRIPTION
1	05.05.07	JH	WM	REVISED FUTURE VERNON STEEL STRUCTURE HEIGHT

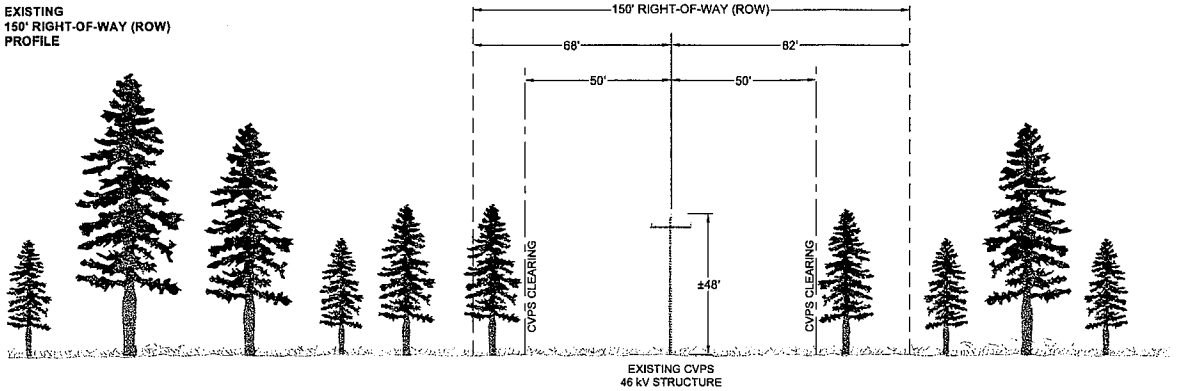
VELCO — VERMONT ELECTRIC POWER CO., INC. RUTLAND, VERMONT
SOUTHERN LOOP PROJECT

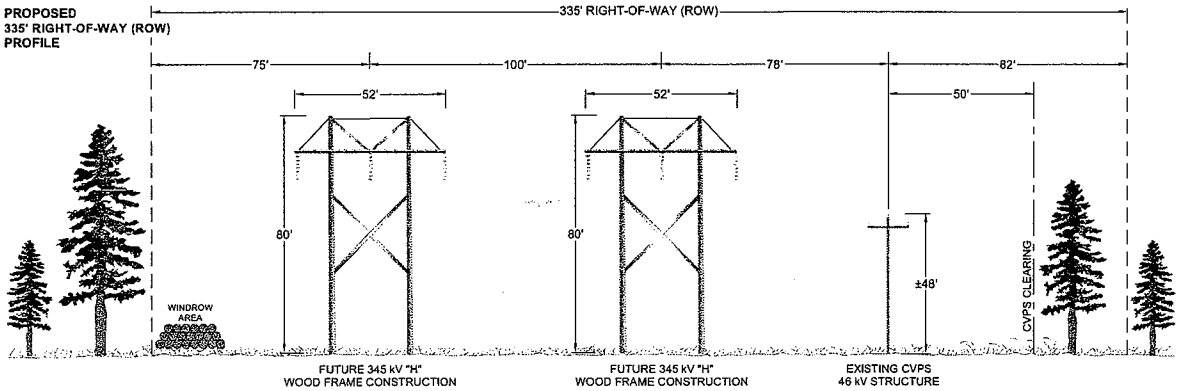
SOUTHERN LOOP PROJECT
345 kV LINE
PRE FILING PLANS 6/1/07

SCALE: NONE	DRAWN BY: JCH	APPROVED BY:	
DATE: 05-30-07	CHECKED BY: WM		DATE
DRAWING NUMBER:	ROW-001		1 REV.

FILE: F:\STAFF\WM\WM-001

Newfane Loop Typical Right-Of-Way Cross Sections





NOTES:

1. ALL CROSS SECTIONS ARE DISPLAYED LOOKING GENERALLY EAST.
2. ACCORDING TO CVPS, CLEARING WIDTHS ARE MAXIMUMS THAT MAY APPEAR TO FLUCTUATE AT THE EDGES ACROSS MAINTENANCE CYCLES.
3. ACCORDING TO CVPS, WITH OR WITHOUT THE SOUTHERN LOOP PROJECT, CVPS INTENDS TO WIDEN ITS *CLEARING WIDTH WITHIN THE EXISTING* RIGHT OF WAY IN THE NEAR FUTURE IN ORDER TO BETTER COMPLY WITH THE NEWEST RELIABILITY STANDARDS.
4. THE CROSS SECTIONS REFLECT STRUCTURE HEIGHTS ON GENERALLY FLAT TOPOGRAPHY AND ARE NOT INTENDED TO BE EXACT REPLICAS OF THE ACTUAL STRUCTURE HEIGHTS; THE H-FRAME HEIGHTS GENERALLY RANGE FROM 60' TO 110';

VT TRANSCO VELCO VETCO

SOUTHERN LOOP PROJECT
12/12/08

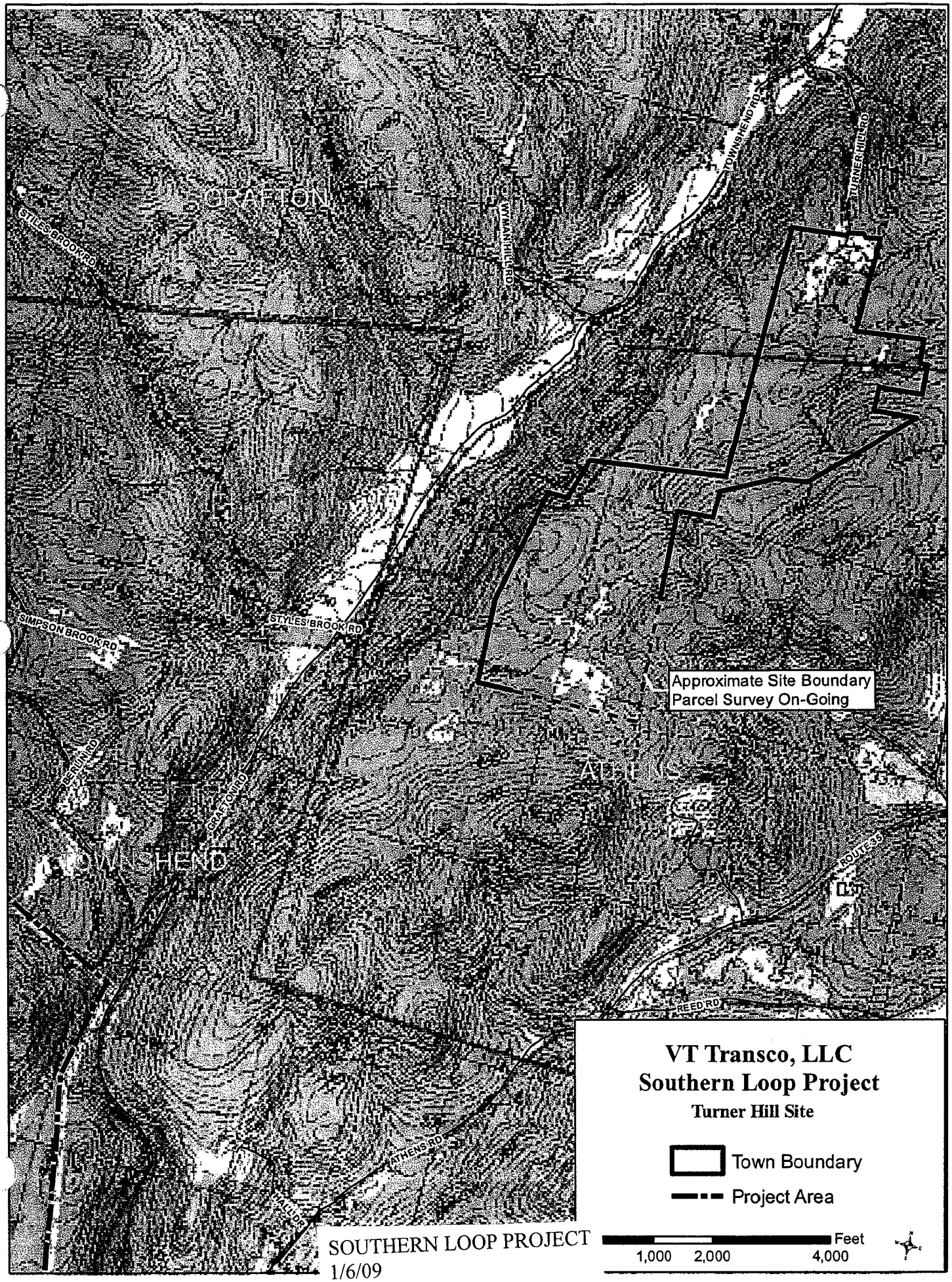
REV	DATE	DR	CK	DESCRIPTION

VELCO — VERMONT ELECTRIC POWER CO., INC. RUTLAND, VERMONT — SOUTHERN LOOP PROJECT

SOUTHERN LOOP PROJECT
NEWFANE LOOP 345 kV/46 kV LINES
PRE FILING PLANS 9/10/07

SCALE: NONE | DRAWN BY: JCH | APPROVED BY:
DATE: 09-03-07 | CHECKED BY: WM | DATE
DRAWING NUMBER: ROW-002 | REV. 0

FILE: F:\STAFF\WWW-001



SOUTHERN LOOP PROJECT
1/6/09

Notes:
- Six (6) potential vernal pools were identified.
- Parcel approximately 360 acres.
- Approximately 30 acres of wetlands w/in parcel.
- Approximately 14,570 linear feet of streams w/in parcel.
- Parcel boundary survey ongoing.

Windham Foundation

James & Willliam Goodridge

George & Nancy Malin (Trustee)

Scott & Michael Osborne

James Goodridge

Wendy Hsu

GRAFTON

ATHENS

John Plummer & Catherine Hallock

Peter & Susan Sheehan

Edward Petry & Joan St. Thomas-Petry

David Bemis

Dougleas Wright & Ellen Jean Archambeault

David Bemis

Estate of Mabel Wright

1500

Andrew Toepfer & Lauire Indenbaum

Contour 50 ft.

Controur 500 ft.

Boundary (approx)

Abutters (approx)

Wetlands (approx)

Streams (approx)

Existing Roads

Town Boundary

Feet

0 500 1,000

Contours & Roads from VCGI (2008); Approximate Parcel data provided by VT. Geomatics (2009); Approximate wetlands & streams data provided by VHB (2008).

N

VT TRANSCO VELCO VETCO

SOUTHERN LOOP PROJECT
FOR
VERMONT TRANSCO, LLC
IN
ATHENS/GRAFTON. VERMONT

DATE: 1/6/09

SHEET: ACOE- M1