Public Notice

Applicant: Flat Rock Wind Power, LLC

Date:
Published: February 17, 2004
Expires: March 18, 2004

U.S. Army Corps of Engineers
Buffalo District **CELRB-TD-R**

In Reply Refer To:
RE: 2002-02165(1) **Section:** NY 404/10

Application for Permit under Authority of Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

Flat Rock Wind Power (FRWP), LLC, 7612 State Street, Suite 7, Lowville, New York 13376 has requested a Department of the Army permit to permanently impact approximately 2.04 acres of wetland and stream and to temporarily impact approximately 2.82 acres of wetland and stream for the development of a 300-megawatt (MW) windpowered electric generating facility. The project area consists of 21,000 acres on leased private land located on the eastern edge of the Tug Hill plateau, west of the Village of Lowville, in the Towns of Martinsburg, Lowville, and Harrisburg, Lewis County, New York.

The project will be constructed in two phases. Phase I involves the installation of 94 - 1.65 MW wind turbines and Phase II involves the installation of 93 - 1.65 MW wind turbines. No turbines will be located in waters of the United States. Both phases will also include associated buried electrical interconnect cables, access roads, meteorological towers, an above ground 34.5 kV electric distribution line and a construction staging area. Proposed jurisdictional impacts are as follows:

1) Phase 1: The construction of access roads, temporary and permanent, will be required to access the turbines, resulting in wetland and stream impacts. Access to the turbines will result in approximately 0.54 acres of permanent impacts to wetlands and 0.02 acres of impact to streams. An additional 0.54 acres of wetland and 0.02 acres of stream will be temporarily impacted as a result of the fill for temporary access during construction (See Sheets 13, 14, 15).

The buried electrical interconnect cables will impact a maximum of 0.42 acres of wetland and 0.12 acres of stream (See Sheets 10, 11, 12). In most cases, cables will be installed via cable plow or rock trencher. Note that if they are installed via cable plow, there will be no resultant discharge of dredged or fill material and therefore would not be jurisdictional. The total width of disturbance for rock trenching would be 2 feet. If rock trench or cable plow techniques are not feasible (due to terrain), then the trench will be excavated (with a 3 foot bucket), and all material will be temporarily stored in upland areas. If flowing water is encountered during installation in

a stream channel, a sandbag cofferdam will be constructed to divert the water during construction (See Sheet 96).

2) Phase 2: Approximately 1.17 acres of wetland and 0.01 acres of stream will be permanently impacted as a result of the construction of access roads to turbines in Phase 2. In addition, the same amount of impacts are expected to occur as temporary impacts to wetlands and streams as a result of the temporary access roads needed during construction (See Sheets 21, 22, 23). The buried electrical interconnect cables will temporarily impact a maximum of 0.44 acres of wetland and 0.10 acre of stream during construction of Phase 2 (See Sheets 17-20). Note that the wetland delineation for Phase 2 was completed during the winter of 2003, and it has not yet been verified by this office.

3) The applicant also proposes to construct a 230 kV overhead electric transmission line to transmit power from the proposed 300 MW Generating Project to the Niagara Mohawk Power Corporation 230 kV Adirondack-Porter Transmission Line. FRWP proposes to construct a substation in the Town of Martinsburg and an Interconnect Station in the Town of Watson. These stations will not involve impacts to waters of the United States. However, access roads to construct the lines and stations will result in permanent impacts to 0.22 acres of wetland and 0.08 acres of stream (See Sheets 7, 8, 9). The transmission line will also cross 220 linear feet of the Black River, a navigable waterway. No towers will be located below the Ordinary High Water mark of the river, and the line will be a minimum of 44 feet above the river.

The applicant is currently investigating mitigation options to compensate for the wetland impacts proposed.

The purpose of the project is to create a utility-scale wind-powered electrical-generating facility to provide a source of electricity within New York State that is generated from renewable energy sources, in accordance with Executive Order 111.

Location and details of the above described work are shown on the attached maps and drawings. In addition, copies of the Draft Environmental Impact Statement, prepared in accordance with State Environmental Quality Review Act (SEQRA) requirements, and the Corps application package can be found on the applicant's web site: http://www.flatrockwind.com, as well as at the following Town offices and libraries:

William H. Bush Memorial Library
Whittaker Road
Martinsburg, New York 13404

Lowville Free Library
5387 Dayan Avenue
Lowville, New York 13367

Malinda Zehr, Town Clerk
Town of Lowville
5481 Bostwick Street
Lowville, New York 13367

Mary Kelley, Town Clerk
Town of Martinsburg
RR 26
Martinsburg, New York 13404

Cathryn Hosmer, Town Clerk
Town of Harrisburg
P.O. Box 52
Lowville, New York 13367

Honorable Virgil E. Taylor
Supervisor
Town of Watson
7316 Number Four Road
Lowville, New York 13367

Questions pertaining to the work described in this notice should be directed to Margaret A. Crawford, who can be contacted by calling (315) 255-8090, or by e-mail at: margaret.a.crawford@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

Numerous cultural resources have been identified which may be impacted by the proposed project. The applicant is currently consulting with the State Historic Preservation Office to ensure compliance with the National Historic Preservation Act.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 7413 County House Road, Auburn, New York 13021, and should be marked to the attention of Margaret A. Crawford, or by e-mail at: margaret.a.crawford@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

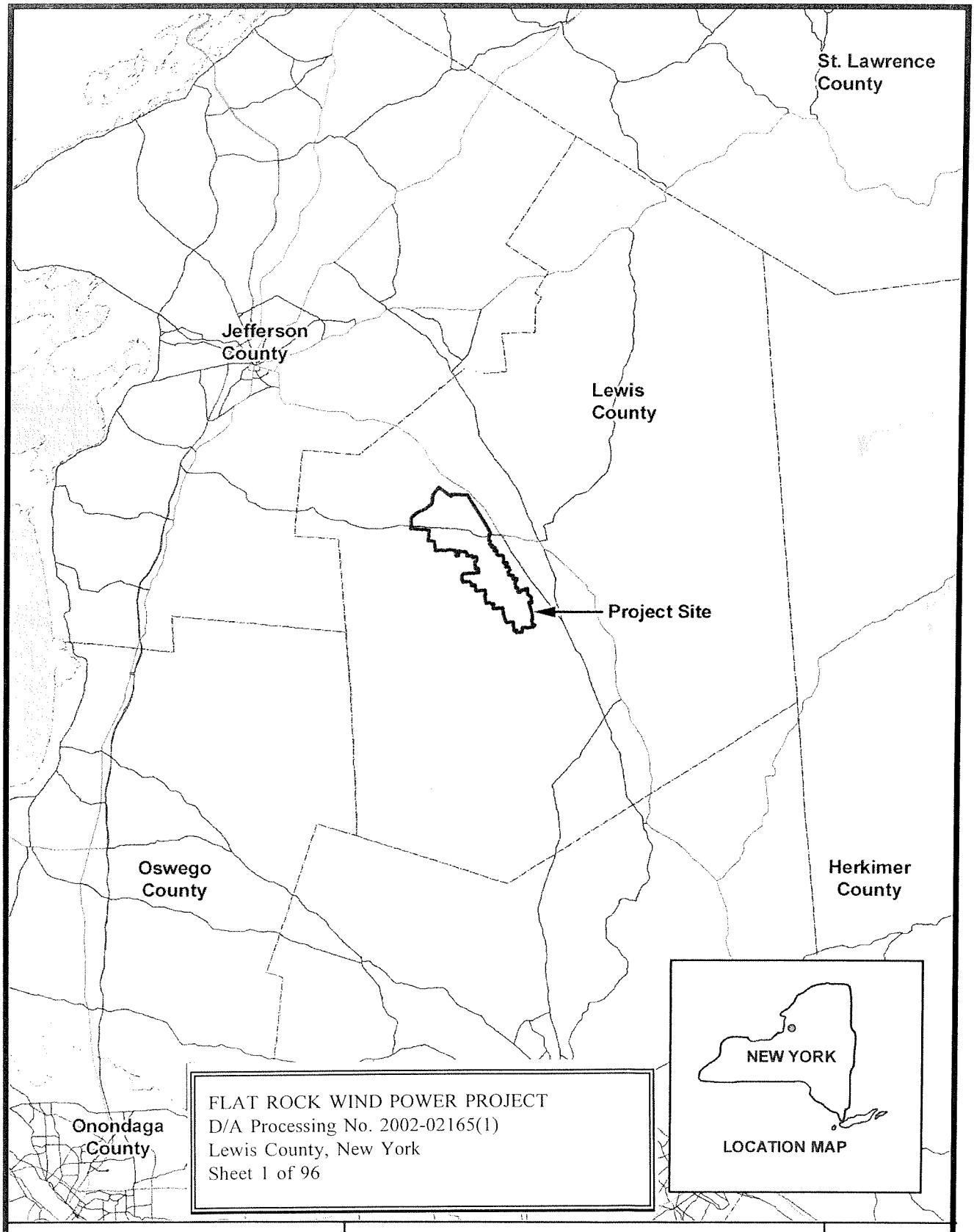
Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to 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 these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, 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.

for Philip D. Frapwell
Acting Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



Prepared By:

Prepared For:

November 2003

Figure 1. Project Site Location

Scale: 1 inch=10 miles

N

Flat Rock Wind Power Project
Draft Environmental Impact Statement

Sheet 1 of 1

FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
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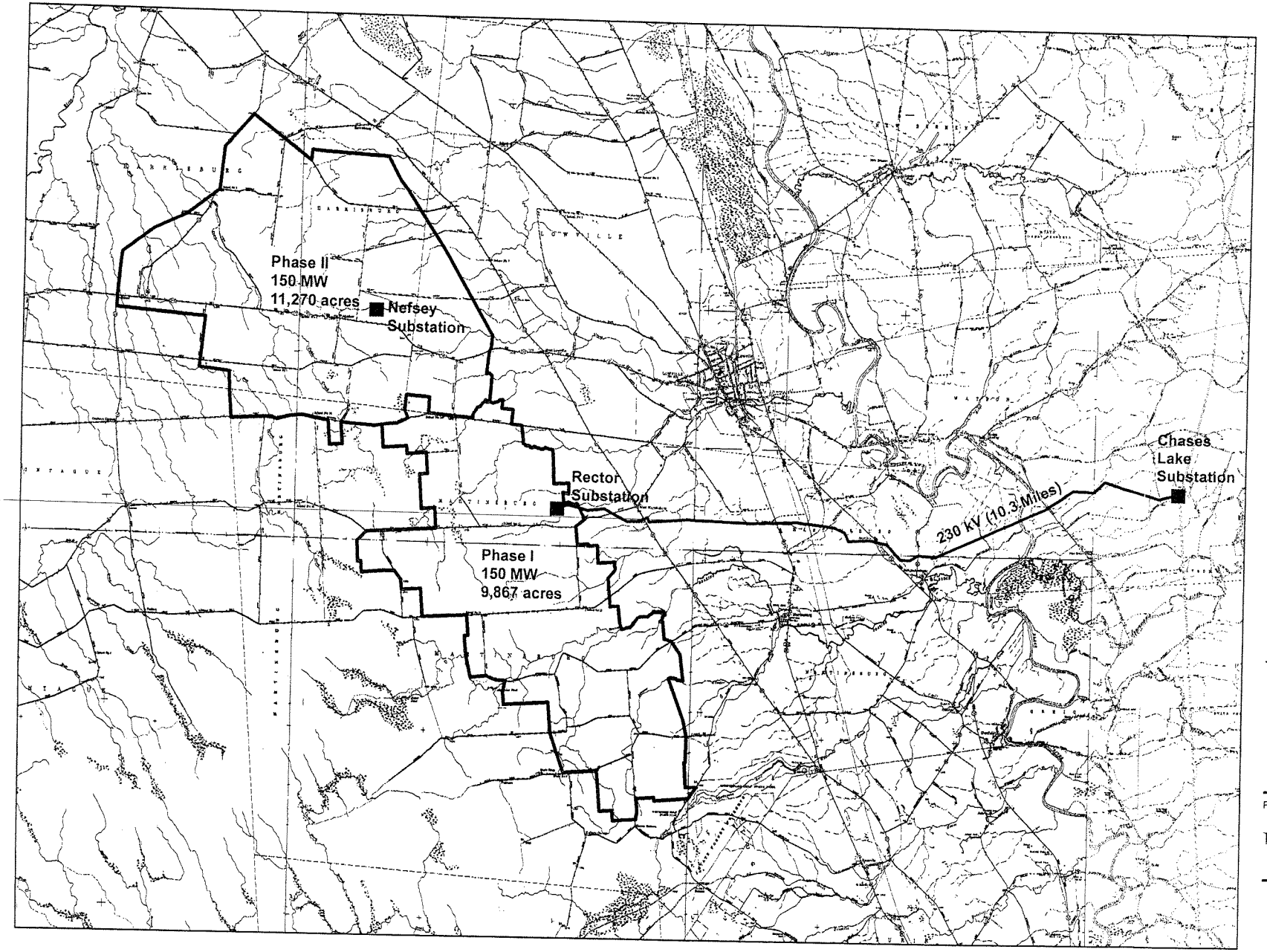

Flat Rock Wind Power Project
Joint Application for Permit

Scale: 1"=7,500'
Source: NYSDOT New Boston, West Lowville, Lowville, Crystal Dale, Sears Pond, Page, Glenfield, Brantingham NY Quads

N

LEGEND

- Phase I Project Area
- Phase II Project Area
- Transmission Line
- Substation

November 2003

Prepared By: EDR

Prepared For: Flat Rock

Figure 1. Generating and Transmission Facility Site Location

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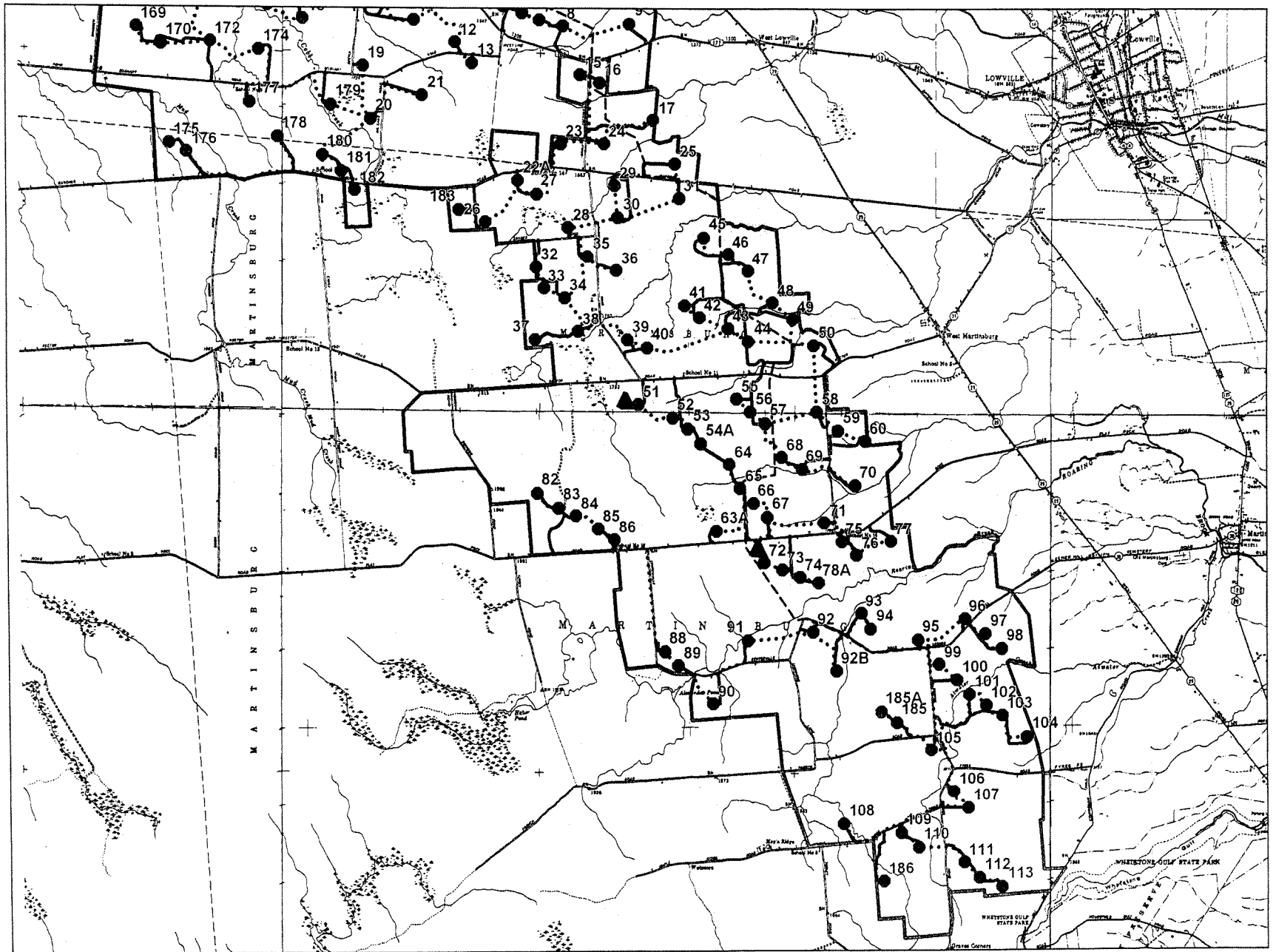

Flat Rock Wind Power Project

Scale: 1"=4,000'
Source: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield NY Quads

N

LEGEND

- Phase I Project Area
- Phase II Project Area
- Wind Turbine
- Service Road
- Overhead Interconnect
- Buried Interconnect
- Met Tower

January 2004

Prepared By: EDR

Prepared For:

Figure 2 (revised). Phase I Generating Site Location and Layout Sheet 1

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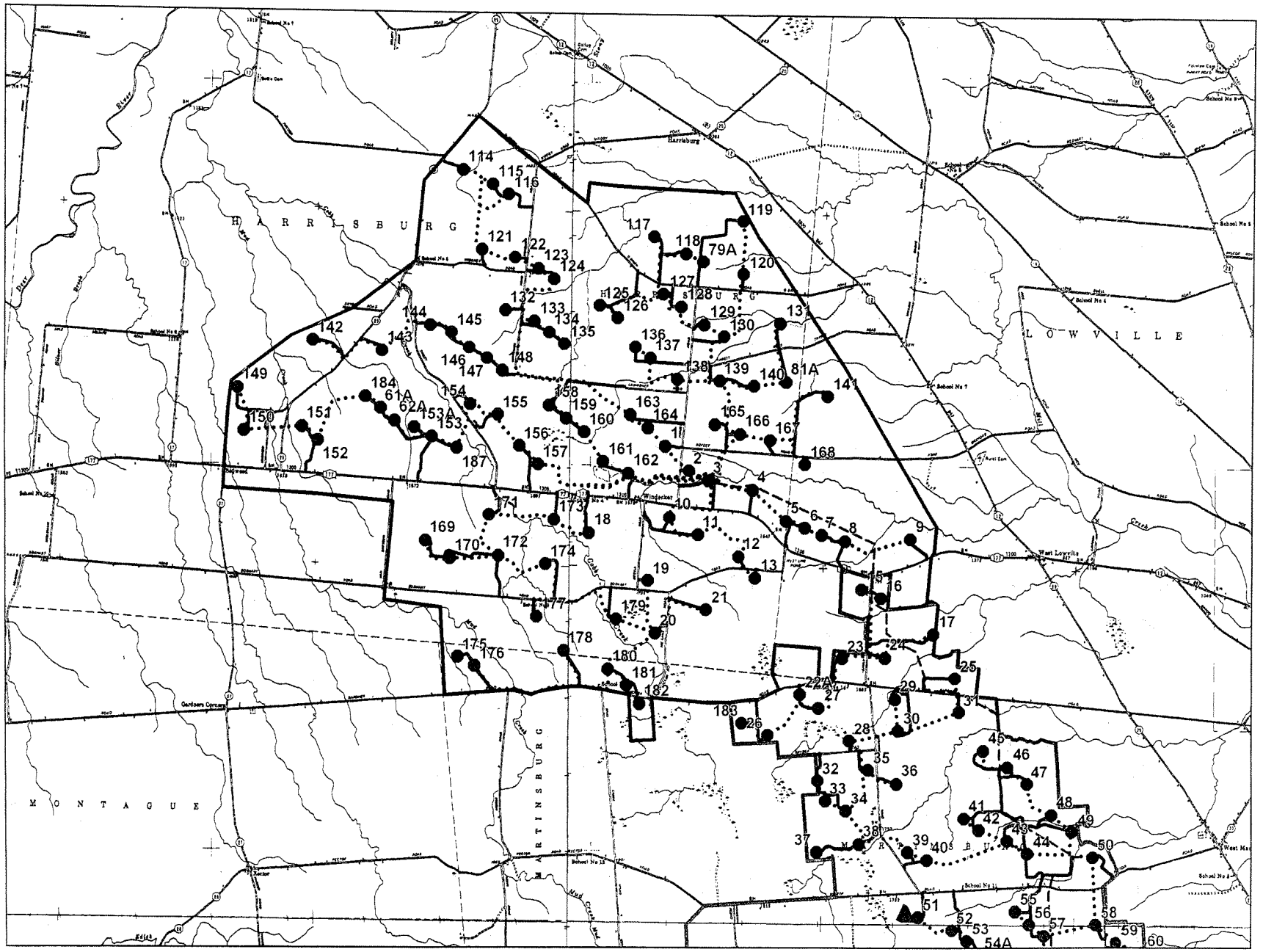

Flat Rock Wind Power Project

Scale: 1"=4,000'
Source: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield NY Quads

N

LEGEND

- Phase I Project Area
- Phase II Project Area
- Wind Turbine
- Service Road
- Overhead Interconnect
- Buried Interconnect
- Met Tower

January 2004

Prepared By: EDR

Prepared For:

Figure 2 (revised). Phase II Generating Site Location and Layout Sheet 2

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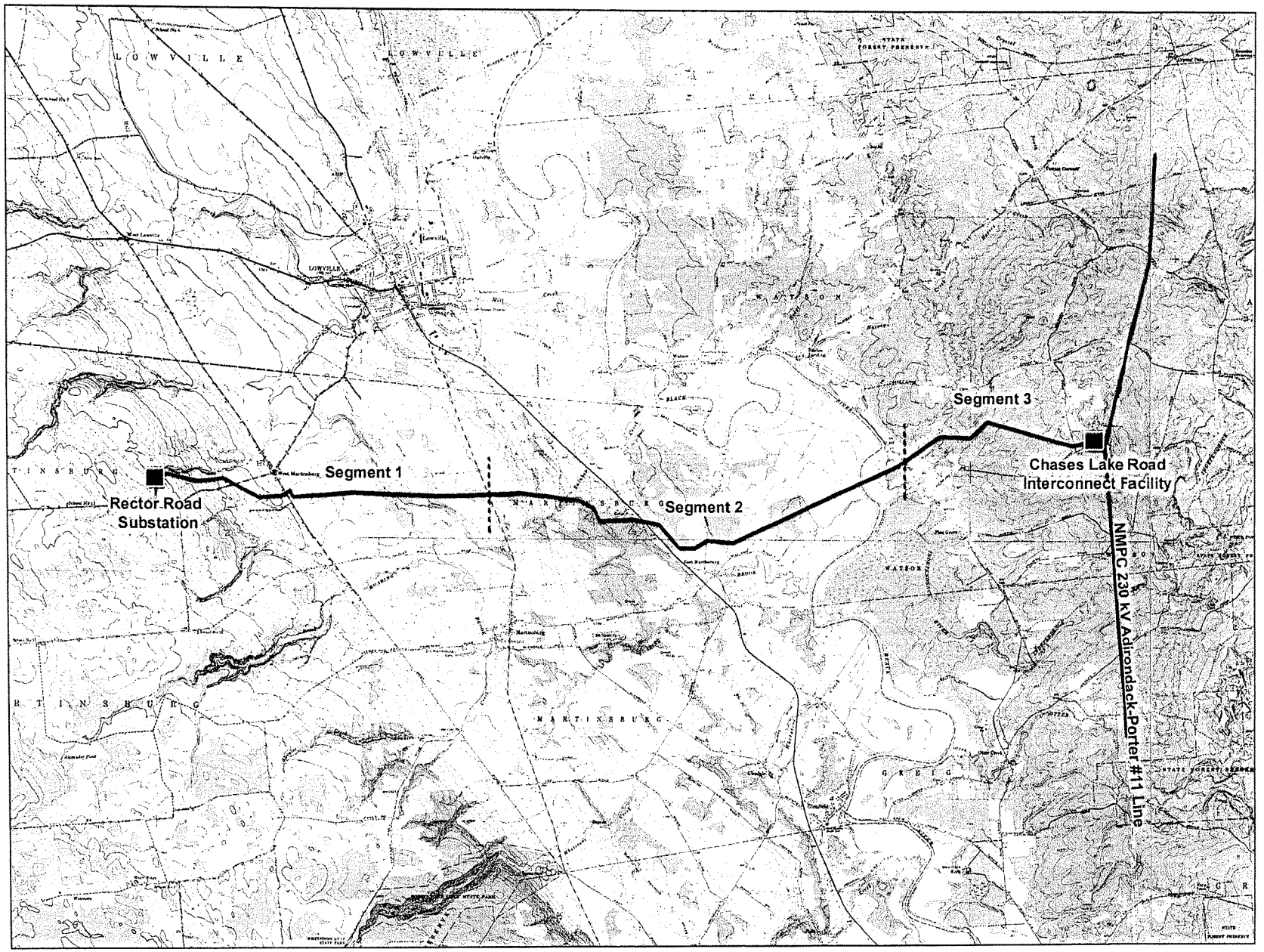

Flat Rock Wind Power Project
Joint Application for Permit

Scale: 1"=5,000'
Source: USGS West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham NY Quads

N

LEGEND

- Transmission Line
- Substation/ Interconnect Station
- NMPC 230 kV Line

November 2003

Prepared By: EDR

Prepared For: FLAT ROCK

Figure 6. Transmission Line Facility Location and Layout

Flat Rock Wind Power Generating and Transmission
Summary of Permanent and Temporary Impacts

Project Component	Temporary Impacts Wetlands (Acres)	Temporary Impacts Streams (Acres)	Permanent Impacts Wetlands (Acres)	Permanent Impact Streams (Acres)
Phase I:				
Wind Turbines	0.00	0.00	0.00	0.00
Access Roads	0.54	0.02	0.54	0.02
Buried Utilities	0.42	0.12	0.00	0.00
Phase II:				
Wind Turbines	0.00	0.00	0.00	0.00
Access Roads	1.17	0.01	1.17	0.01
Buried Utilities	0.44	0.10	0.00	0.00
Transmission Line:				
Access Roads:	0.00	0.00	0.22	0.08
Project Totals:	**2.57**	**0.25**	**1.93**	**0.11**

(Total Project Temporary Impacts: 2.82 Acres) (Total Project Permanent Impacts 2.04 Acres)

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Table 5. Wetland Impacts: ***Transmission Line On-and Off-Right-of-Way***

Wetland ID[1]	Wetland Type[2]	Type of Crossing	Length of Disturbance (ft)	Width of Disturbance (ft)	~~Temporary~~ Permanent Area of Disturbance[3] (sq. ft.)
9A	WM	Road	58	20	1,160
21B	FO	Road	34	20	680
25A	WM	Road	10	20	200
40A	EM	Road	65	20	1,300
46A(NYSDEC L-17)	EM, FO	Tower/Road	60	20	1,200
46A (NYSDEC L-17 Buffer)	Upland	Tower/Road	330	20	6,600
53A	EM, SS	Tower/Road	15	20	300
55B	SS, FO	Tower/Road	13	20	260
58A (NYSDEC L-19 Buffer)	Upland	Road	1,790	20	35,800
OR-69A	EM, WM	Road	67	20	1,340
OR-69B	WM	Road	31	20	620
OR-69D	WM	Road	40	20	800
OR-71A	EM, WM	Road	38	20	760
OR-71B	WM, SS	Road	41	20	820
				Total Impacts to State Regulated Wetlands	1,200
				or in Acres	**0.03**
				Total Impacts to State Regulated Buffers	42,400
				or in Acres	**0.97**
				Total Impacts to Federal Jurisdiction Wetlands	9,440
				or in Acres	**0.22**

Notes:

2: Length of disturbance is calculated through a measurement of the centerline of the proposed access road between delineated wetland/stream edges.

3: Area of Permanent Disturbance for Access Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet.

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Table 6. Stream Impacts: ***Transmission Line On-and Off-Right-of-Way***

Wetland ID[1]	Protected Waters Classification	Crossing Type	Length of Disturbance (ft)	Width of Disturbance (ft)	Area of Permanent Disturbance[3] (sq. ft.)
2A	"C" Ont. 19-51-4-1	Road	27	20	540
9A	N/A	Road	15	20	300
21A	N/A	Road	13	20	260
25A	"C" Ont. 19-52	Road	32	20	640
40A	N/A	Road	10	20	200
41B	"C" 19-58-3	Road	10	20	200
45B	N/A	Road	13	20	260
46A(NYSDEC L-17)	"D" Unnamed Drainage Ditch	Tower/Road	15	20	300
53A	"D" Unnamed Drainage Ditch	Tower/Road	25	20	500
OR-65A	"C(t)" Ont.56 trib.	Road	22	20	440
				Total Impacts to State Protected Streams	440
				Or In Acres	**0.01**
				Total Impacts to Federal Jurisdiction Streams	3,640
				Or In Acres	**0.08**

Notes:

1: "OR" prefix indicates that the subject wetland is located outside of the right-of-way boundary.

2: Length of disturbance is calculated through a measurement of the centerline of the proposed access road between delineated wetland/stream edges.

3: Area of Permanent Disturbance for Access Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet.

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Table 7. Transmission Line: *Summary of Permanent Impacts*

Regulatory Designation	Permanent Impacts: Access Roads and Towers (Acres)
State Regulated Wetlands	0.03
State Regulated Buffers	0.97
State Protected Streams	0.01
Transmission Line Project Totals: State	**1.01**
Federal Jurisdiction Wetlands	0.22
Federal Jurisdiction Streams	0.08
Transmission Line Project Totals: Federal	**0.30**

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Table 8. Wetland Impacts: Phase I Generating Site Buried Utility Interconnect

Wetland ID[1]	Wetland Type[2]	Length of Disturbance (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance[3] (sq. ft.) TEMPORARY AREA	Comments[4]
I-16-C	SS	45	3	135	see also stream I-16-C
I-16-D	WM	55	3	165	see also stream I-16-D
I-22A-B	WM,SS	132	3	396	
I-23-A	SS	20	3	60	
I-24-A	SS	160	3	480	
I-28-A/ NYSDEC Buffer WL-6	UPL	197	3	591	State Regulated Buffer
I-29-A	WM	46	3	138	
I-30-A	EM, SS	11	3	33	
I-37-A / NYSDEC WETLAND P-5	WM, SS	74	3	222	State Regulated Wetland
I-37-A NYSDEC Buffer P-5	UPL	344	3	1032	State Regulated Buffer
I-37-B	WM, SS	14	3	42	see also stream I-37-B
I-38-A	SS	38	3	114	
I-38-B	EM, SS	24	3	72	
I-39-A	SS	34	3	102	see also stream I-38-B
I-41-A	SS, WM	11	3	33	
I-43-B	WM	25	3	75	see also stream I-43-B
I-45-A	WM	12	3	36	see also stream I-45-A
I-47-A	SS	100	3	300	
I-48-A	WM	8	3	24	see also stream I-48-A
I-50-A		3	3	9	see also stream I-50-A
I-58-A		35	3	105	
I-51-A	WM	70	3	210	
I-54-A	EM, WM	13	3	39	
I-58-A	WM	25	3	75	see also stream I-58-A
I-60-A	EM,SS	35	3	105	
I-63-A/ NYSDEC Wetland P-6	SS	84	3	252	State Regulated Wetland
I-63-A NYSDEC Buffer P-6	UPL	308	3	924	State Regulated Buffer
I-64-A	SS	30	3	90	see also stream I-64-A
I-65-A	EM,SS	85	3	255	
I-67-A	WM	27	3	81	see also stream I-67-A
I-82-A/ NYSDEC Wetland P-3	EM,WM	7	3	21	State Regulaged Wetland
I-82-A NYSDEC Buffer P-3	UPL	221	3	663	State Regulated Buffer
I-83-A NYSDEC Buffer P-3	UPL	52	3	156	State Regulated Buffer
I-84-A / NYSDEC Wetland P-3	SS, WM	138	3	414	State Regulated Wetland
I-84-A NYSDEC Buffer P-3	UPL	711	3	2133	State Regulated Buffer
I-85-A	EM	27	3	81	see also stream I-85-A

Table 8. Wetland Impacts: Phase I Generating Site Buried Utility Interconnect

Wetland ID[1]	Wetland Type[2]	Length of Disturbance (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance[3] (sq. ft.)	Comments[4]
I-89-B	SS	40	3	120	
I-91-A	SS	175	3	525	
I-91-B	WM	30	3	90	
I-91-C	WM, SS	972	3	2916	
I-91-D	WM	125	3	375	
I-92-A	SS	120	3	360	
I-93-A	WM	25	3	75	
I-95-A	SS	4	3	12	
I-99-A	WM	25	3	75	see also stream I-99-A
I-99-B	EM, SS	60	3	180	
I-99-C	EM,SS	20	3	60	
I-99-D	SS	100	3	300	
I-101-A	WM, SS	40	3	120	
I-101-C	WM, SS	370	3	1110	
I-103-A	WM	63	3	189	
I-105-A	SS	450	3	1350	see also stream I-105-A
I-105-B	SS	500	3	1500	
I-106-A	EM,SS	40	3	120	see also stream I-106-A
I-106-B	WM, SS	80	3	240	
I-107-B	WM, SS	90	3	270	
I-107-C	SS	53	3	159	
I-109-A	SS	90	3	270	
I-110-A	WM, SS, F	900	3	2700	see also stream I-110-A
I-185-A	EM, WM	25	3	75	see also stream I-185-A
I-186-A	SS, WM	10	3	30	
I-186-B	SS	101	3	303	
I-186-D	WM	186	3	558	

Total Temporary Impacts to State Wetlands	909
Or in Acres	**0.02**
Total Temporary Impacts to State Buffers	5,499
Or in Acres	**0.13**
Total Temporary Impacts to Federal Wetlands	18,288
Or in Acres	**0.42**

Notes:

1: The wetlands are identified based upon the installation of the utility. "I" refers to Interconnect, or the buried electrical/fiber optic cable bundle which connnects each wind turbine to one another.

2: Wetland Type refers to the wetland community impacted by the proposed installation. These types are keyed as follows:
EM-Emergent Marsh
WM-Wet Meadow
SS-Scrub Shrub Wetland
F-Forested

3: Area of disturbance is calculated based upon the indicated length of disturbance multiplied by a width of disturbance of 3 feet for utililty interconnects (*maximum disturbance width*). All buried cables will be installed via cable plow or trencher (8"-14" ground disturbance) andonly temporary disturbance will result from project activities.

Table 9. Stream Impacts: ***Phase I Generating Site Buried Utility Interconnect***

Wetland ID[1]	Protected Waters Classification[2]	Depth (in)	Substrate	Total Length of Crossing (in feet)	Width of Disturbance (ft)	Area of Temorary Disturbance[3] (sq. ft.)
I-16-A	N/A			10	15	150
I-16-B	N/A			45	15	675
I-16-C	N/A			5	15	75
I-16-D	N/A			5	15	75
I-17-A	N/A	2	mud	5	15	75
I-22A-A	N/A	8	mud	4	15	60
I-37-B	N/A	6	cobble	4	15	60
I-39-A	N/A	4	cobble	6	15	90
I-39-B/Trib of Mill Cr.	C(t)	10	cobble,bedrock	30	15	450
I-43-B	N/A	1	mud	1	15	15
I-45-A	N/A	3	cobble	4	15	60
I-48-A	N/A	4	mud	2	15	30
I-49-A	N/A	3	mud	10	15	150
I-50-A	N/A	0	gravel	3	15	45
I-58-A	N/A	4	rocky	2	15	30
I-64-A	N/A	4	silt	6	15	90
I-67-A	N/A	1	silt	3	15	45
I-85-A	N/A	3	mud	3	15	45
I-89-A/Roaring Brook	C(t)	12	cobble, gravel	10	15	150
I-90-A	N/A	12	cobble, silt	10	15	150
I-92-B	N/A	36	cobble	30	15	450
I-99-A	N/A	6	mud	40	15	600
I-101-B/Atwater Cr.	AA	6	mud	6	15	90
I-101-C	N/A	4	mud	4	15	60
I-105-A/Atwater Cr.	AA	variable	mud	25	15	375
I-106-A/Atwater Cr.	AA	0	cobble	5	15	75
I-108-A	N/A	6	cobble	30	15	450
I-110-A/Atwater Cr.	AA	6	cobble	25	15	375
I-185-A	N/A	3	mud, cobble	5	15	75
					Total Temporary Impacts to State Protected Streams	1,515
					Or in Acres	**0.03**
					Total Temporary Impacts to Federal Jurisdiction Streams	5,070
					Or in Acres	**0.12**

Notes:

1: The wetlands are identified based upon the installation of the utility. "I" refers to Interconnect, or the buried electrical/fiber optic cable bundle which connnects each wind turbine to one another.

2: Stream classifications were provided by M. Wiggins, NYSDEC Region 6 based upon NYSDEC Waterbody Classification Maps (pursuant to 6 NYCRR 876.4).

3: Area of disturbance is calculated based upon the indicated length of disturbance multiplied by a width of disturbance of 15 feet for utililty interconnects (*maximum work area to prepare crossing 'in the dry'*). All buried cables will be installed via cable plow or trencher (8"-14" ground disturbance) and only temporary disturbance will result from buried utility installation.

Table 10. Wetland Impacts: ***Phase I Generating Site Wind Turbine and Service Road Installation***

Wetland ID	Wetland Type[1]	Length of Wetland Disturbance (ft)	Area of Temporary Disturbance[2] (sq. ft.)	Area of Permanent Disturbance[3] (sq. ft.)	Comments
R-23-A	WM	20	400	400	
R-34-A	WM	125	2,500	2,500	
R-37-A / NYSDEC Wetland P-5	WM, SS	95	1,900	1,900	State Regulated Wetland
R-37-A NYSDEC Buffer P-5	UPL	320	6,400	6,400	State Regulated Buffer
R-37-B	WM, SS	14	280	280	37-B
R-38-B	SS	38	760	760	
R-41-A	WM, SS	169	3,380	3,380	
R-45-A	WM	12	240	240	45-A
R-46-A	WM	11	220	220	46-A
R-46-B	WM	5	100	100	
R-46-C	WM	12	240	240	
R-54-A	EM, WM	12	240	240	
R-64-A	SS	35	700	700	64-A
R-82-A NYSDEC Wetland P-3	EM	13	260	260	State Regulated Wetland
R-82-A/ NYSDEC Buffer P-3	UPL	252	5,040	5,040	State Regulated Buffer
R-83-A/ NYSDEC Buffer P-3	UPL	58	1,160	1,160	State Regulated Buffer
R-84-A NYSDEC Buffer P-3	UPL	22	440	440	State Regulated Buffer
R-85-A	WM, SS	15	300	300	
R-91-A	WM	94	1,880	1,880	
R-92B-A	SS, WM	77	1,540	1,540	
R-93-A	WM	15	300	300	
Turbine 83 NYSDEC Buffer	SS	N/A	62,717	7,850	State Regulated Buffer
R-103-A	WM	72	1,440	1,440	
R-107-B	WM, SS	53	1,060	1,060	
R-186-A	SS, WM	11	220	220	
R-186-B	SS	88	1,760	1,760	
R-186-D	WM	186	3,720	3,720	
		Impacts to State Regulated Wetlands	2,160	2,160	
		in Acres	**0.05**	**0.05**	
		Impacts to State Regulated Buffers	75,757	20,890	
		in Acres	**1.74**	**0.48**	
		Impacts to Federal Jurisdiction Wetlands	23,440	23,440	
		in Acres	**0.54**	**0.54**	

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Notes: Phase I Generating

Table 10. Wetland Impacts: ***Phase I Generating Site Wind Turbine and Service Road Installation***

Wetland ID	Wetland Type[1]	Length of Wetland Disturbance (ft)	Area of Temporary Disturbance[2] (sq. ft.)	Area of Permanent Disturbance[3] (sq. ft.)	Comments

1: Wetland Type refers to the wetland community impacted by the proposed installation. These types are keyed as follows:
EM - Emergent Marsh
WM - Wet Meadow
SS - Shrub-Scrub Wetland

2: Area of Temporary Disturbance for an access road is calculated by multiplying the length of disturbance by a temporary construction access road maximum width of 40 feet minus the disturbance by a permanent access road width of 20 feet (Total - Permanent = Temporary). Area of Temporary Disturbance for a turbine is calculated by subtracting the area of permanent distrubance (50 foot radius circle) from the area of total disturbance (150 foot radius circle).

3: Area of Permanent Disturbance for Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet. Temporary construction access roads and permanent maintenance access roads will be installed in the same locations. Area of Permanent Disturbance for Turbines is based upon a 50 foot radius circle of disturbance. Following construction, temporary fill will be removed from all wetland, stream areas with permanent culverted access roads and foundations remaining.

Table 11. Stream Impacts: ***Phase I Generating Site Wind Turbine and Service Road Installation***

Wetland ID	Protected Waters Classification[1]	Depth of Water (inches)	Substrate	Total Width of Stream Crossing (ft)	Area of Temporary Disturbance[2] (sq. ft.)	Area of Permanent Disturbance[3] (sq. ft.)
R-17-B	n/a	2	mud	10	200	200
R-37-B	n/a	6	mud	4	80	80
R-45-A	n/a	3	cobble	4	80	80
R-46-A	n/a	1	mud	2	40	40
R-50-A	n/a			22	440	440
R-50-B	n/a			14	280	280
R-64-A	n/a	4	silt	6	120	120
				Impacts to State Regulated Streams	0	0
				in Acres	**0.00**	**0.00**
				Impacts to Federal Jurisdiction Streams	1,040	1,040
				in Acres	**0.02**	**0.02**

Notes:

1: Denotes classification of waters if C(t) or higher as indicated by NYSDEC pursuant to 6 NYCRR 876.4. N/A indicates Class C or D (unprotected).

2: Area of Temporary Disturbance for an access road is calculated by multiplying the length of disturbance by a temporary construction access road maximum width of 40 feet minus the disturbance by a permanent access road width of 20 feet (Total - Permanent = Temporary).

3: Area of Permanent Disturbance for Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet. Temporary construction access roads and permanent maintenance access roads will be installed in the same locations.

Table 12. Phase I Summary of Permanent and Temporary Impacts

Regulatory Designation	Temporary Impacts: Utilities (Acres)	Temporary Impacts: Roads and Turbines (Acres)	Permanent Impacts Roads and Turbines (Acres)	Temporary Area Impacts (Area)	Total Permanent Impacts (Area)
State Regulated Wetlands	0.02	0.05	0.05	0.07	0.05
State Regulated Buffers	0.13	1.74	0.48	1.87	0.48
State Protected Streams	0.03	0.00	0.00	0.03	0.00
Phase I Project Totals: State	**0.18**	**1.79**	**0.53**	**1.97**	**0.53**
Federal Jurisdiction Wetlands	0.42	0.54	0.54	0.96	0.54
Federal Jurisdiction Streams	0.12	0.02	0.02	0.14	0.02
Phase I Project Totals: Federal	**0.54**	**0.56**	**0.56**	**1.10**	**0.56**

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Table 13. Wetland Impacts: ***Phase II Generating Site Buried Utility Inte***

Wetland ID[1]	Wetland Type[2]	Length of Disturbance (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance[3] (sq. ft.)	Comments
I-1-A	SS, EM	22	3	66	
I-8-B	WM	50	3	150	
I-8-C	WM	5	3	15	see also stream I-8-C
I-10-A	EM	70	3	210	
I-12-A	WM	55	3	165	
I-61A-A	SS	206	3	618	
I-62A-A	SS	47	3	141	
I-62A-B	SS	331	3	993	
I-92B-A	SS, WM	142	3	426	
I-103-A	F, WM	63	3	189	
I-114-A	EM	106	3	318	
I-116-A	WM	50	3	150	
I-116-B	WM	50	3	150	
I-120-B	SS	30	3	90	see also stream I-120-B
I-120-A	SS	10	3	30	see also stream I-120-A
I-120-C	WM, SS	80	3	240	
I-121-A	WM	10	3	30	
I-124-A	WM	8	3	24	see also stream I-124-A
I-128-A	SS	86	3	258	
I-129-A	SS, WM	80	3	240	
I-130-A	SS, EM	10	3	30	see also stream I-130-A
I-132-A*	WM	50	3	150	see also stream I-132-A
I-138-A	SS	78	3	234	see also stream I-138-A
I-139-A	SS, WM	15	3	45	see also stream I-139-A
I-139-B	SS, WM	40	3	120	
I-140-A	SS	30	3	90	
I-141-A	SS, WM	53	3	159	
I-141-B	SS, WM	27	3	81	
I-141-C	SS, WM	25	3	75	
I-142-A	EM	15	3	45	see also stream I-142-A
I-143-A	SS	386	3	1,158	
I-144-A	EM, SS	7	3	21	see also stream I-144-A
I-146-A*	SS	125	3	375	
I-147-A*	SS, WM	50	3	150	
I-147-B*	SS, WM	150	3	450	
I-148-A	EM	53	3	159	
I-148-C	SS	250	3	750	
I-148-D	SS	10	3	30	
I-150-A	SS, WM	75	3	225	see also stream I-150-A
I-151-A	SS, WM	90	3	270	see also stream I-151-A
I-151-D	SS, WM	21	3	63	
I-152-A	SS	505	3	1,515	
I-153A-A	SS	96	3	288	
I-153A-B	SS	181	3	543	

Wetland ID[1]	Wetland Type[2]	Length of Disturbance (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance[3] (sq. ft.)	Comments
I-154-A / NYSDEC Wetland NE-11	SS, WM	335	3	1,005	see also stream I-154-A State Regulated Wetland
I-154-A NYSDEC Wetland Buffer NE-11	SS	236	3	708	State Regulated Buffer
I-154-B	WM	5	3	15	
I-155-A	FO	200	3	600	
I-156-A	SS	70	3	210	
I-157-A	SS, EM	30	3	90	
I-158-A	SS	22	3	66	see also stream I-158-A
I-158-B	SS	55	3	165	see also stream I-158-B
I-161-A	SS	25	3	75	see also stream I-161-A
I-162-A	WM	10	3	30	
I-162-B	WM	10	3	30	
I-163-A	SS, EM	3	3	9	see also stream I-163-A
I-166-A	WM	5	3	15	
I-170-A	SS	60	3	180	
I-171-A	SS	134	3	402	see also stream I-171-A
I-173-A	SS	100	3	300	
I-175-A	SS, WM	36	3	108	
I-176-A	SS	50	3	150	
I-176-C	F, SS	1,049	3	3,147	see also stream I-176-C
1-177-A	SS, EM	30	3	90	see also stream I-177-A
1-177-B	SS	50	3	150	see also stream I-177-B
I-178-A	SS	175	3	525	
I-178-B	SS	150	3	450	see also stream I-178-B
			Total Temporary Impacts to State Wetlands	1,005	
			or In Acres	**0.02**	
			Total Temporary Impacts to State Buffers	708	
			or In Acres	**0.02**	
			Total Temporary Impacts to Federal Wetlands	19,341	
			or In Acres	**0.44**	

Notes

1: The wetlands are identified based upon the installation of the project component and the nearest turbine number. "I" refers to Interconnect, or the buried electrical/fiber optic cable bundle which connnects each wind turbine to one another.

2: Wetland Type refers to the wetland community impacted by the proposed installation. These types are keyed as follows:
EM - Emergent Marsh
WM - Wet Meadow
SS - Shrub-Shrub Wetland
F - Forested

3: Area of disturbance is calculated based upon the indicated length of disturbance multiplied by a width of disturbance of 3 feet for utililty interconnects (*maximum disturbance width*). All buried cables will be installed via cable plow or trencher (8"-14" ground disturbance) and that only temporary disturbance will result from project activities.

* Winter Evaluation of wetland area performed. Location and distance approximate. Wetland avoidance or reduction of impacts may be possible.

Table 14. Stream Impacts: ***Phase II Generating Site Buried Utility Intercc***

Stream ID	Classification	Depth of Water (in)	Substrate	Width of Channel (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance (sq.ft.)
I-2-A	N/A	4	rocky	8	15	120
I-2-B	N/A	4	rocky	8	15	120
I-2-C	N/A	4	rocky	8	15	120
I-2-D	N/A	4	rocky	8	15	120
I-3-A	N/A	1	rocky, silt	5	15	75
I-3-B	N/A	1	rocky, silt	5	15	75
I-3-C	N/A	6	rocky	10	15	150
I-4-A	N/A	4	rocky	8	15	120
I-6-A	N/A	4	silt, mud	2	15	30
I-8-A	N/A	3	rocky	10	15	150
I-8-C	N/A	3	cobble, shale	10	15	150
I-120-A	N/A	12	gravel, silt	4	15	60
I-120-B	N/A	3	muck	2	15	30
I-124-A	N/A	6	mud	5	15	75
I-129-A	N/A	3	gravel, silt	2	15	30
I-130-A	N/A	3	rocky, silt	2	15	30
I-132-A	N/A	6	mud	10	15	150
I-138-A	N/A	3	gravel, mud	2	15	30
I-139-A	N/A	6	rocky	15	15	225
I-142-A	N/A	12	gravel	5	15	75
I-143-B	N/A	12	shale bedrock	20	15	300
I-144-A	N/A	4	silt, gravel	3	15	45
I-150-A	N/A	24	gravel, cobble	20	15	300
I-151-A	N/A	8	rocky, gravel	5	15	75
I-154-A	N/A	8	rocky	25	15	375
I-158-A	N/A	3	rocky	8	15	120
I-158-B	N/A	2	rocky	2	15	30
I-161-A	N/A	6	rocky, gravel	5	15	75
I-163-A	N/A	3	silty	3	15	45
I-171-A	N/A	18	gravel, cobble	35	15	525
I-172-A	N/A	4	rock, silt	5	15	75
I-176-A	N/A	4	rocky	4	15	60
I-176-B / Mud Creek	C(t)	4	rocky	10	15	150
I-176-C/ Mud Creek Trib.	C(t)	18	rocky, silt	10	15	150
I-177-A	N/A	2	silty	2	15	30
I-177-B	N/A	4	rocky	5	15	75
I-178-B	N/A	6	rock, cobble	3	15	45
I-182-B	N/A	12	stone, silt	8	15	120
					Total Temporary Impacts to State Protected Streams	300
					or in Acres	**0.01**
					Total Temporary Impacts to Federal Jurisdiction Streams	4,530
					or in Acres	**0.10**

Stream ID	Classification	Depth of Water (in)	Substrate	Width of Channel (ft)	Width of Disturbance (ft)	Temporary Area of Disturbance (sq.ft.)

Notes:

1: The wetlands are identified based upon the installation of the utility. "I" refers to Interconnect, or the buried electrical/fiber optic cable bundle which connnects each wind turbine to one another.

2: Wetland Type refers to the wetland community impacted by the proposed installation. These types are keyed as follows:
ST - Stream
EM - Emergent Marsh
WM - Wet Meadow
SS - Shrub-Shrub Wetland
F - Forested

3: Area of disturbance is calculated based upon the indicated length of disturbance multiplied by a width of disturbance of 15 feet for utililty interconnects (*maximum equipment width*). All buried cables will be installed via cable plow or trencher (8"-14

* Winter Evaluation. Location and distance approximate. Wetland avoidance or reduction of impacts may be possible.

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Table 15. Wetland Impacts: ***Phase II Generating Site Wind Turbine and Service Road Installation***

Wetland ID	Wetland Type[1]	Length of Disturbance (ft)	Area of Temporary Disturbance[2] (sq. ft.)	Area of Permanent Disturbance[3] (sq. ft.)	Comments
R-3-A	EM	107	2,140	2,140	
R-8-A	SS	97	1,940	1,940	
R-61A-A	SS	215	4,300	4,300	
R-62A-A	SS	31	620	620	
R-62A-B	SS	320	6,400	6,400	
R-115-A	EM, WM	28	560	560	see also Stream
R-119-A	SS, EM	16	320	320	
R-119-B	SS, EM	36	720	720	
R-119-C	SS, EM	107	2,140	2,140	
R-119-D	EM, WM	66	1,320	1,320	
R-132-A*	WM	50	1,000	1,000	see also Stream
R-134-A	WM	35	700	700	
R-141-A	SS, WM	53	1,060	1,060	
R-141-B	SS, WM	27	540	540	
R-146-A*	SS	125	2,500	2,500	
R-147-A*	SS, WM	41	820	820	
R-147-B*	SS, WM	169	3,380	3,380	
R-148-A	EM	37	740	740	see also Stream
R-151-C	WM	24	480	480	
R-151-D	EM	16	320	320	
R-153-A	EM	11	220	220	
R-153-B	SS	349	6,980	6,980	
R-153A-A	SS	77	1,540	1,540	
R-153A-B	SS	199	3,980	3,980	
R-155-A	WM	49	980	980	
R-156-A	WM, SS	70	1,400	1,400	
R-158-A	EM	27	540	540	see also Stream
R-158-B	SS	47	940	940	see also Stream
R-164-A	SS, WM	24	480	480	
R-170-A	WM	60	1,200	1,200	
R-175-A	SS, WM	36	720	720	
		Impacts to State Regulated Wetlands	**0**	**0**	
		in Acres	**0.00**	**0.00**	
		Impacts to State Regulated Buffers	**0**	**0**	
		in Acres	**0.00**	**0.00**	
		Impacts to Federal Jurisdiction Wetlands	**50,980**	**50,980**	
		in Acres	**1.17**	**1.17**	

Notes:

1: Wetland Type refers to the wetland community impacted by the proposed installation. These types are keyed as follows:
EM - Emergent Marsh
WM - Wet Meadow
SS - Shrub-Scrub Wetland
F - Forested

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2: Area of Temporary Disturbance for an access road is calculated by multiplying the length of disturbance by a temporary construction access road maximum width of 40 feet minus the disturbance by a permanent access road width of 20 feet (Total - Permanent = Temporary). Area of Temporary Disturbance for a turbine is calculated by subtracting the area of permanent distrubance (50 foot radius circle) from the area of total disturbance (150 foot radius circle).

3: Area of Permanent Disturbance for Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet. Temporary construction access roads and permanent maintenance access roads will be installed in the same locations. Area of Permanent Disturbance for Turbines is based upon a 50 foot radius circle of disturbance while temporary disturbance will occur in an area within a 150 foot radious circle. Following construction, temporary fill will be removed from all wetland, stream areas with permanent culverted access roads and foundations remaining.

* Winter Evaluation. Location and distance approximate. Wetland avoidance or reduction of impacts may be possible.

Table 16. Stream Impacts: ***Phase II Generating Site Wind Turbine and Service Road Installation***

Wetland ID	Protected Waters Classification[1]	Depth of Water (in)	Substrate	Total Width of Stream Crossing (ft)	Area of Temporary Distrubance[2] (sq.ft.)	Area of Permanent Distrubance[3] (sq.ft.)
R-115-A	N/A	6	silt	1	20	20
R-132-A*	N/A	6	mud	10	200	200
R-148-A	N/A	1	sand, silt	3	60	60
R-158-A	N/A	4	bedrock shale	3	60	60
R-158-B	N/A	4	gravel silt	3	60	60
				Impacts to State Regulated Streams	0	0
				in Acres	**0.00**	**0.00**
				Impacts to Federal Jurisdiction Streams	400	400
				in Acres	**0.01**	**0.01**

Notes

1: Stream classifications were provided by M. Wiggins, NYSDEC Region 6 based upon NYSDEC Waterbody Classification Maps (pursuant to 6 NYCRR 876.4).

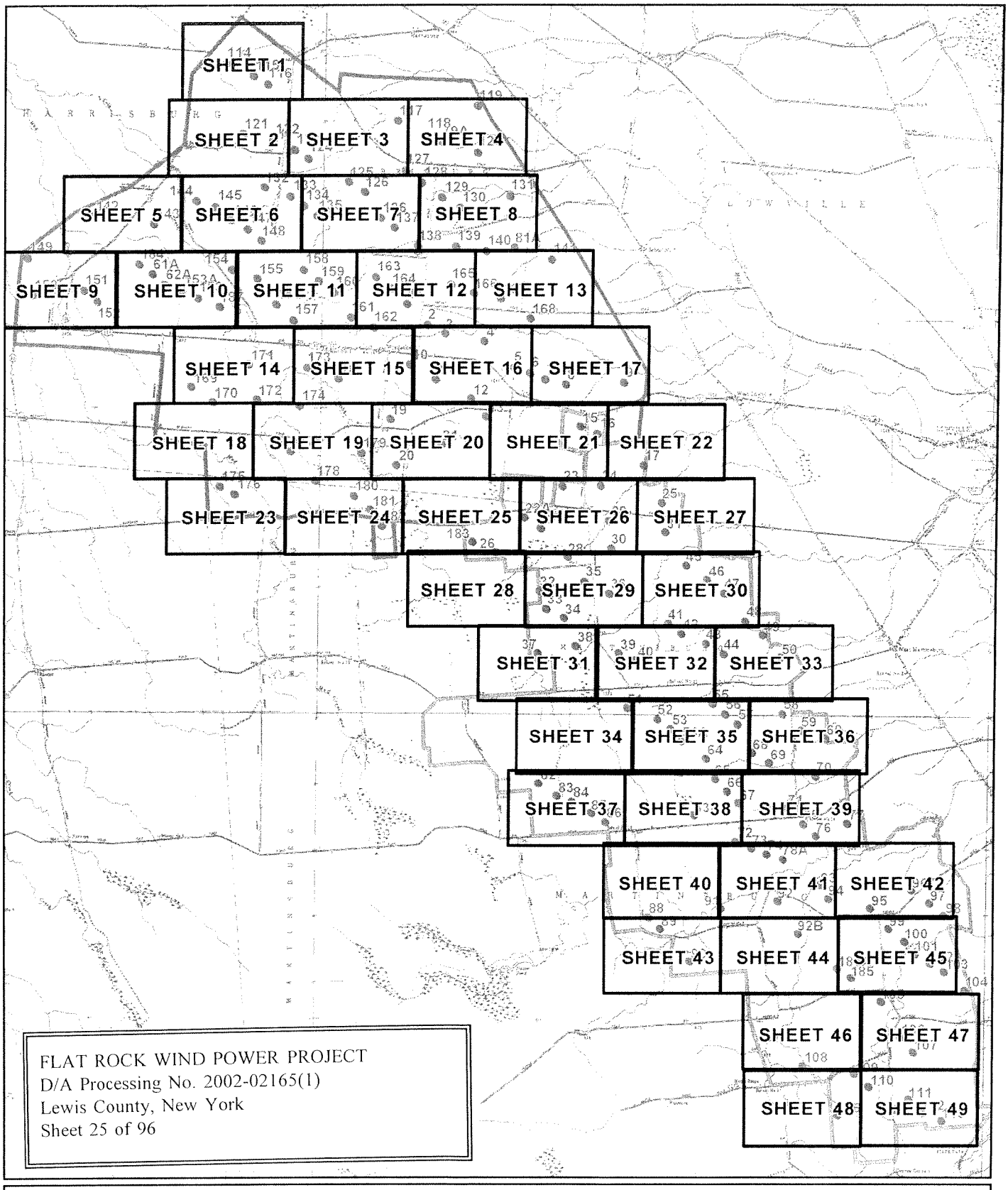
2: Area of Temporary Disturbance for an access road is calculated by multiplying the length of disturbance by a temporary construction access road maximum width of 40 feet minus the disturbance by a permanent access road width of 20 feet (Total - Permanent = Temporary).

3: Area of Permanent Disturbance for Roads is calculated by multiplying the length of disturbance by a permanent maintenance access road maximum width of 20 feet. Temporary construction access roads and permanent maintenance access roads will be installed in the same locations.

* Winter Evaluation. Location and distance approximate. Wetland avoidance or reduction of impacts may be possible.

Table 17: Phase II Summary of Permanent and Temporary Impacts

Regulatory Designation	Temporary Impacts: Utilities (Acres)	Temporary Impacts: Roads and Turbines (Acres)	Permanent Impacts Roads and Turbines (Acres)	Temporary Area Impacts (Area)	Total Permanent Impacts (Area)
State Regulated Wetlands	0.02	0.00	0.00	0.02	0.00
State Regulated Buffers	0.02	0.00	0.00	0.02	0.00
State Protected Streams	0.01	0.00	0.00	0.01	0.00
Phase II Project Totals: State	**0.05**	**0.00**	**0.00**	**0.05**	**0.00**
Federal Jurisdiction Wetlands	0.44	1.17	1.17	1.61	1.17
Federal Jurisdiction Streams	0.10	0.01	0.01	0.11	0.01
Phase II Project Totals: Federal	**0.54**	**1.18**	**1.18**	**1.72**	**1.18**



Prepared By:

Prepared For:

Figure 4 (Revised). Wetland Impacts Index Sheet

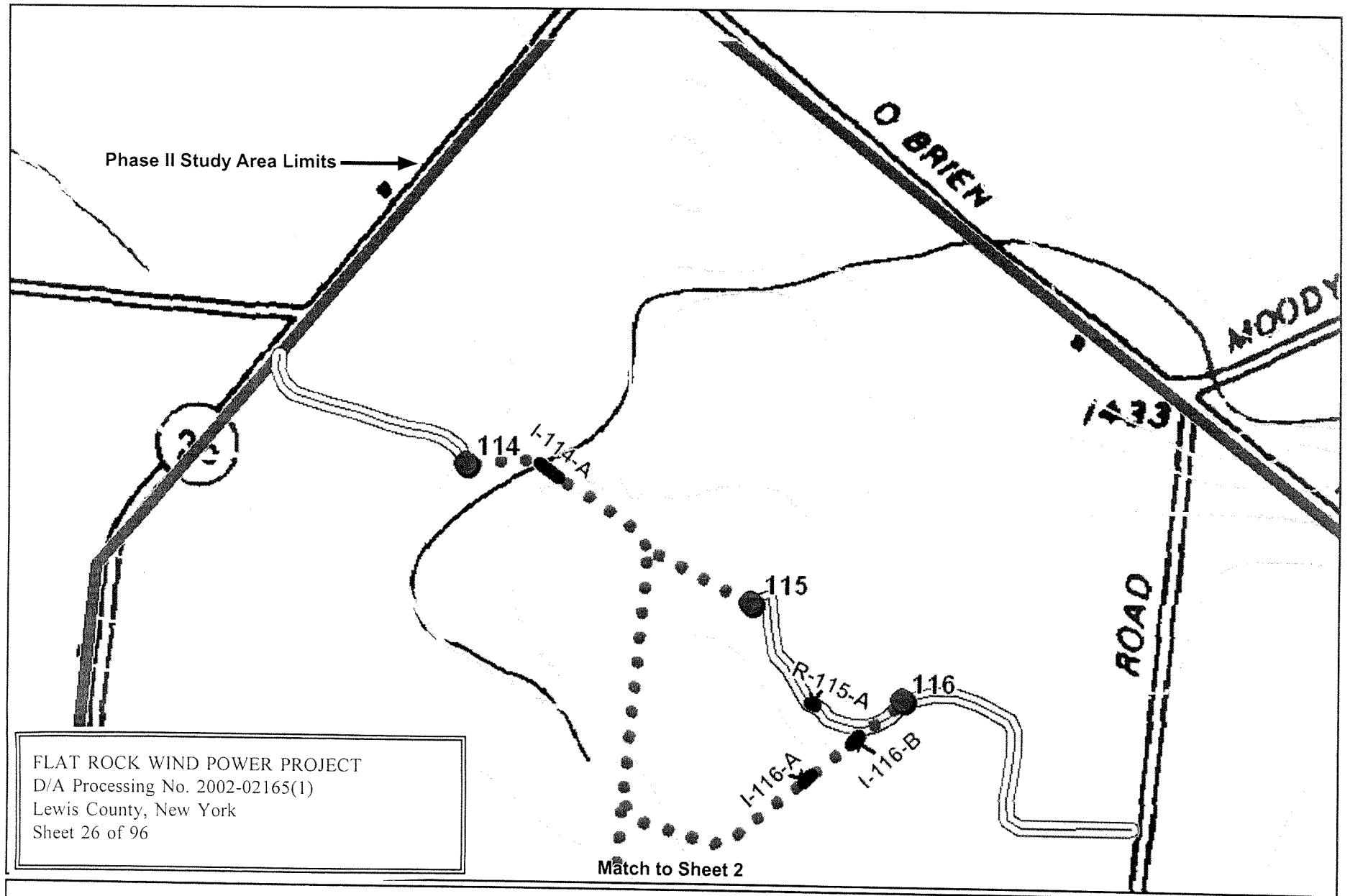
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

Turbine

NORTH

Scale: 1 inch=6,500 feet
January 22, 2004



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Prepared By: EDR

Prepared For:

NORTH

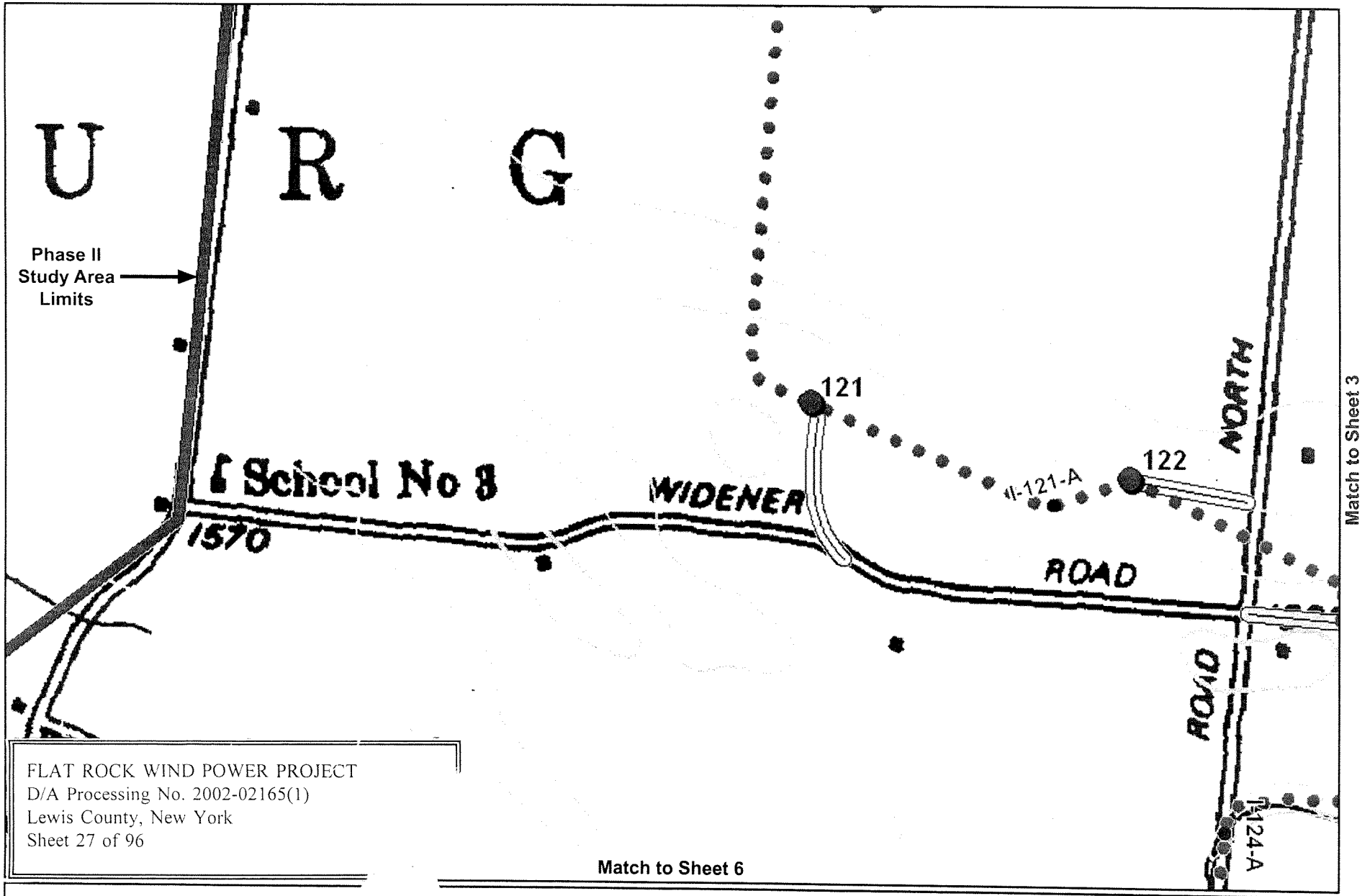
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 1
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road

Match to Sheet 1



Match to Sheet 3

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Match to Sheet 6

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 2
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

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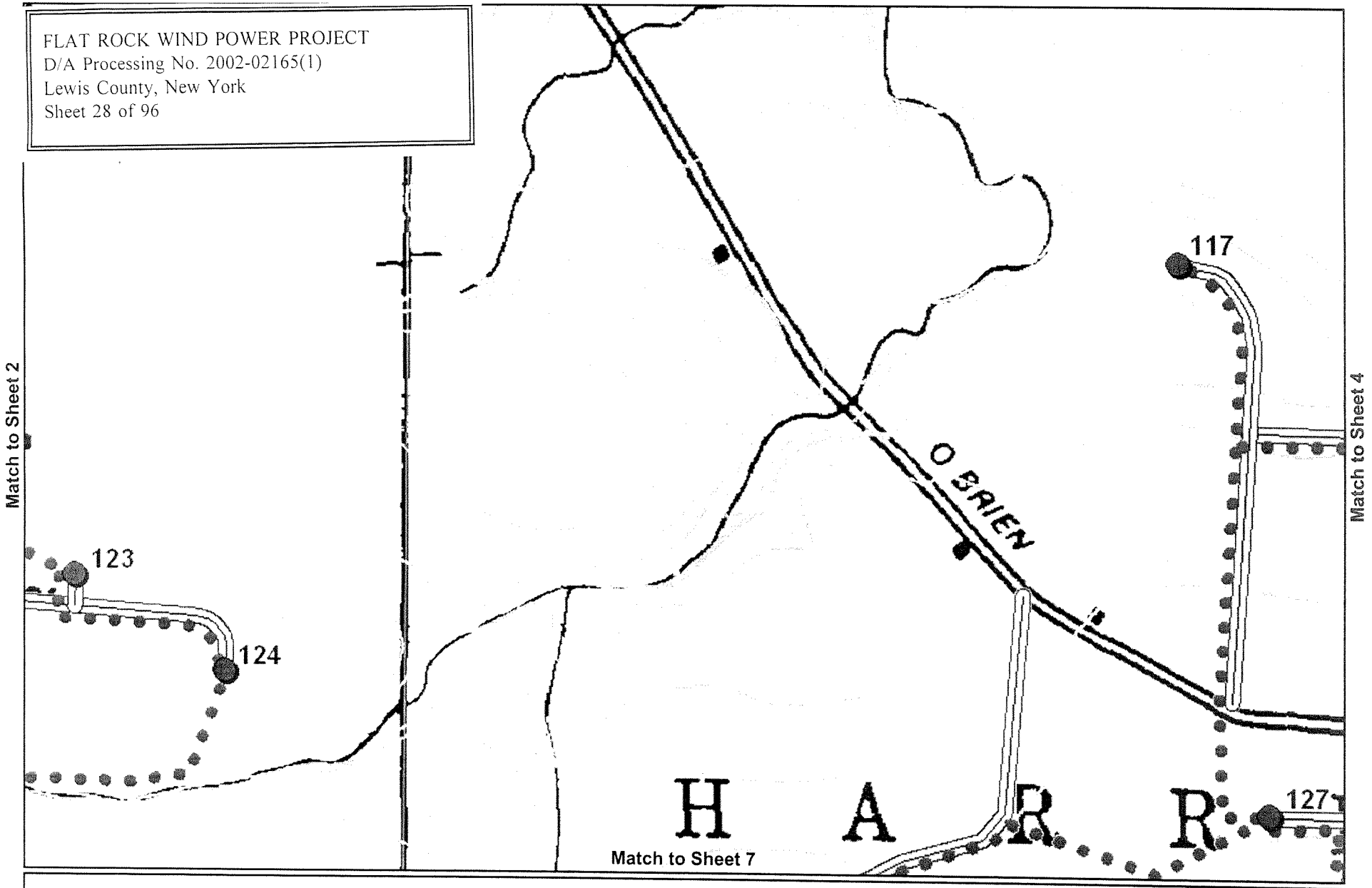

Prepared By:

EDR PC

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 3
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

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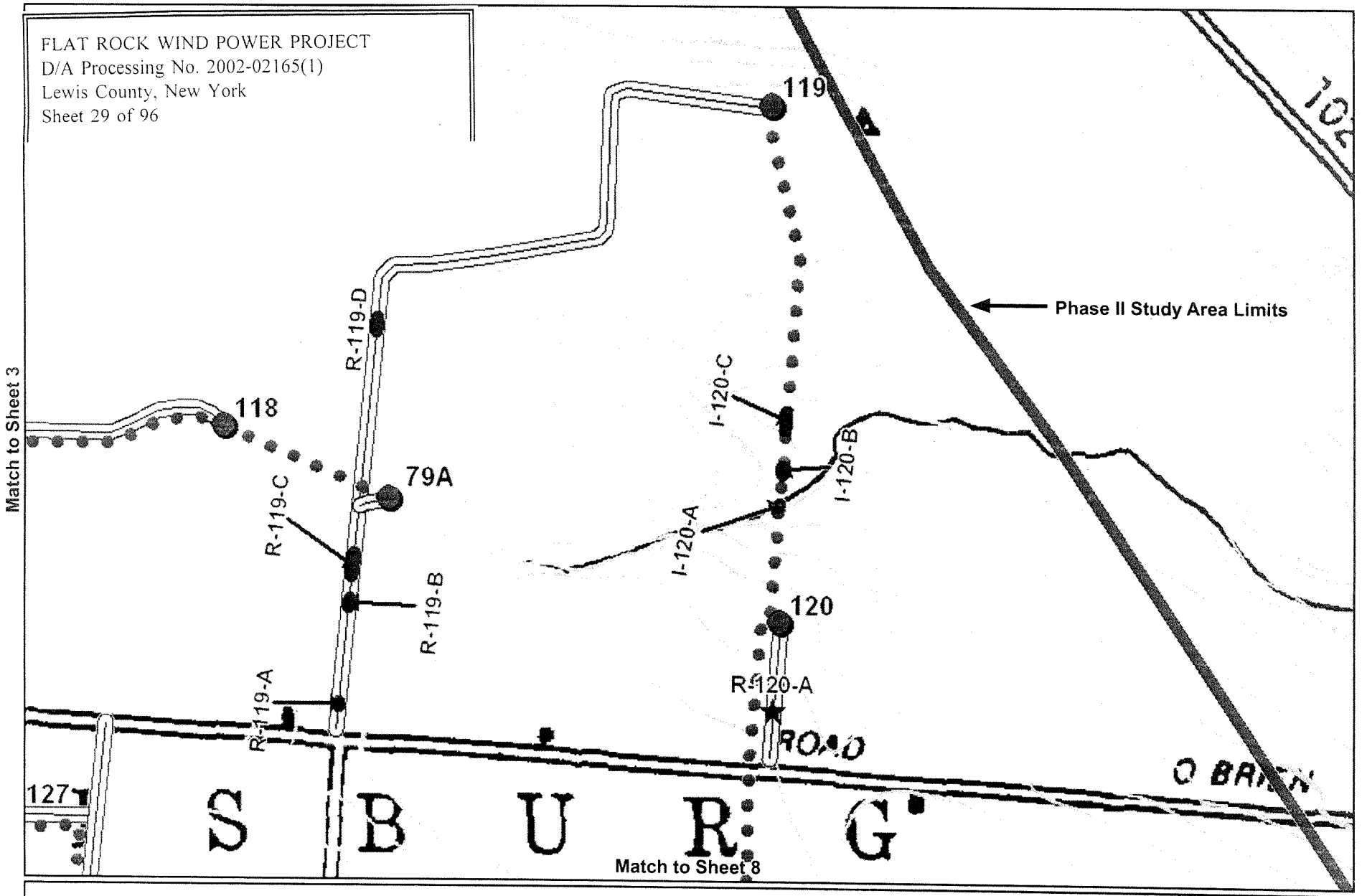

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 4
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

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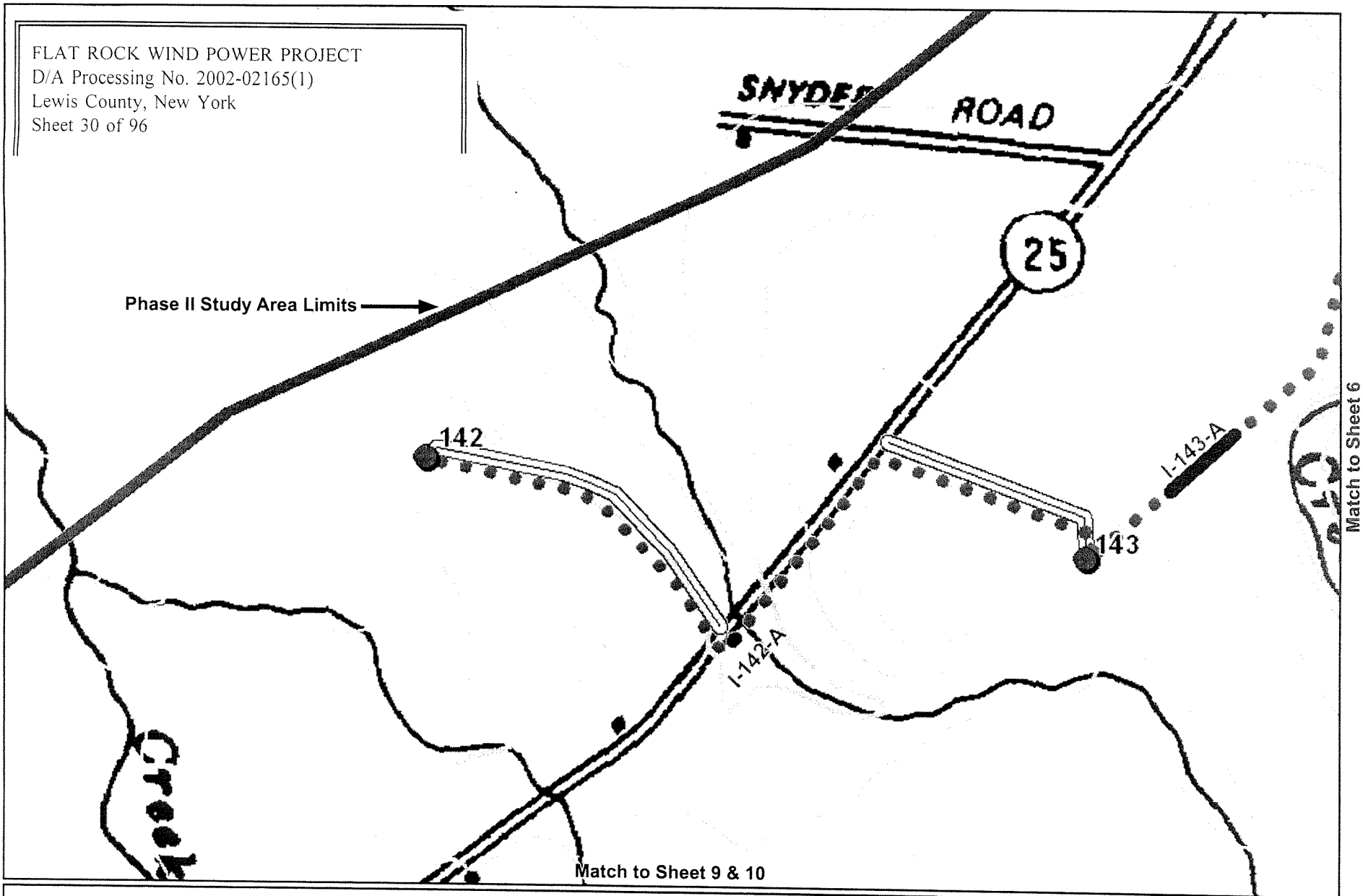


Prepared By: EDR

Prepared For:

NORTH

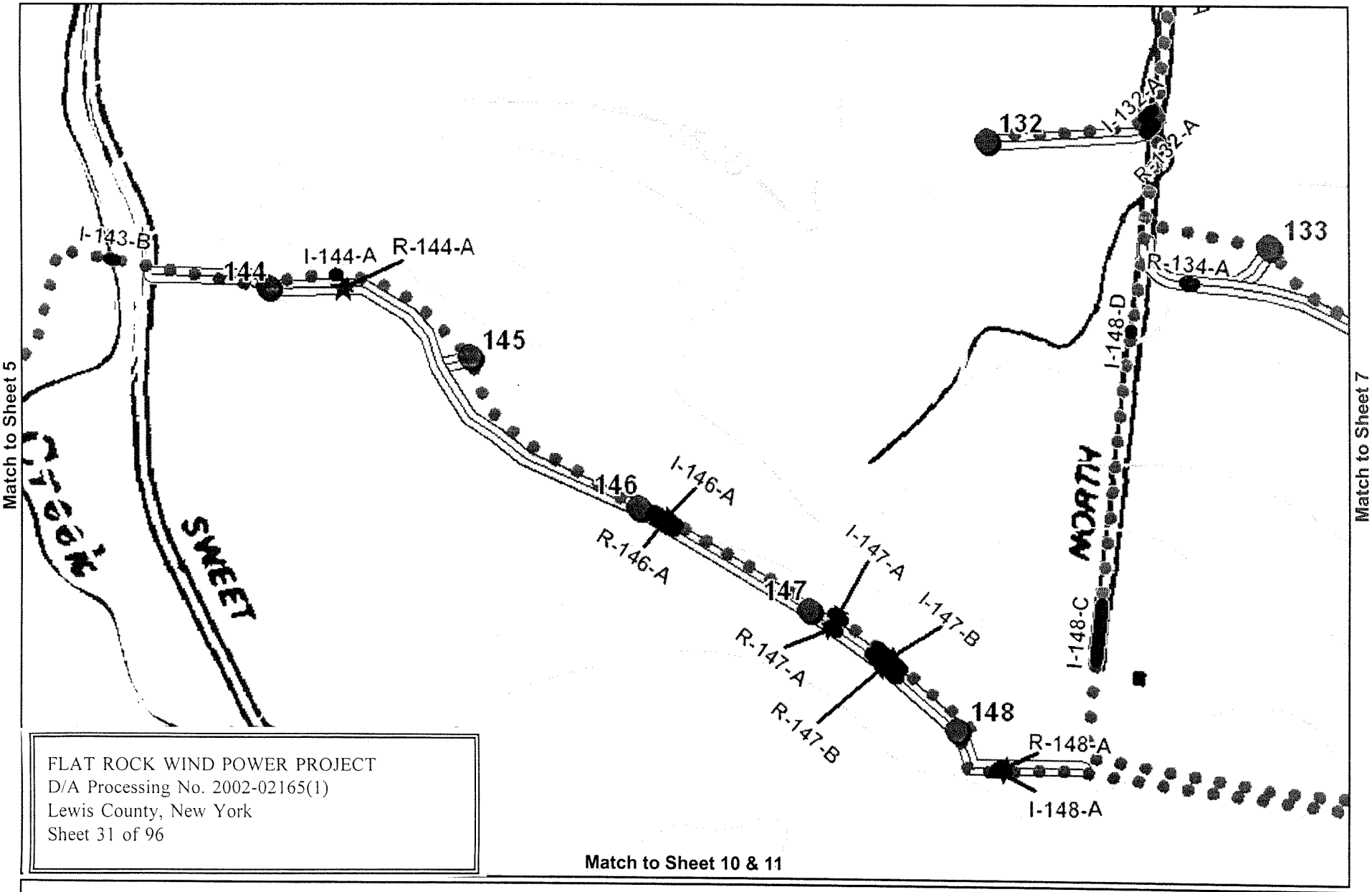
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 5
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 2



Match to Sheet 5

Match to Sheet 7

FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
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Match to Sheet 10 & 11

Prepared By: EDR

Prepared For:

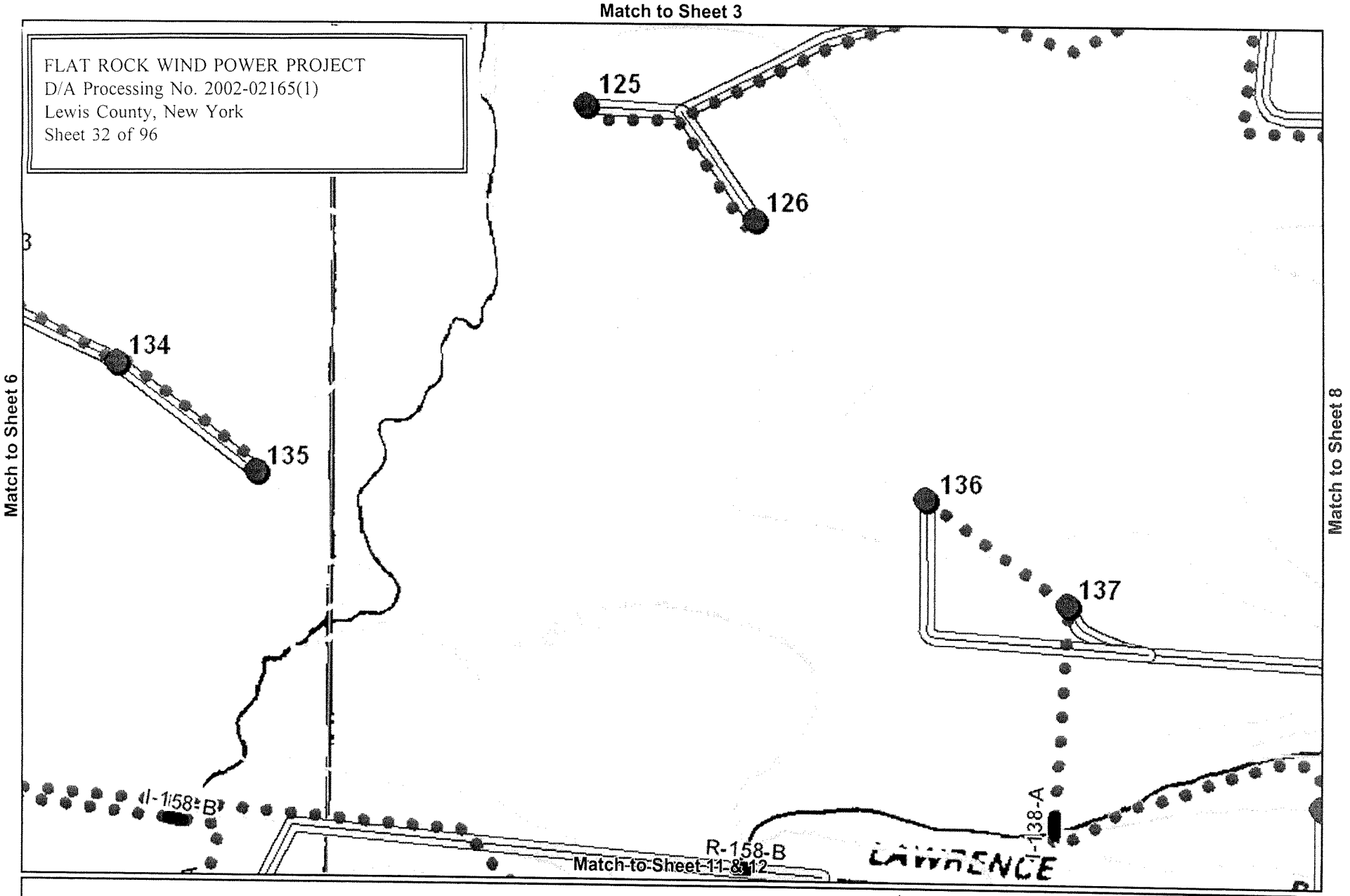
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 6
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 7

Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

- R-82-A — Wetland Disturbance
- R-120-A — Existing Crossing
- 21 — Turbine
- Overhead Electrical Line
- Buried Interconnect
- Access Road

FLAT ROCK WIND POWER PROJECT
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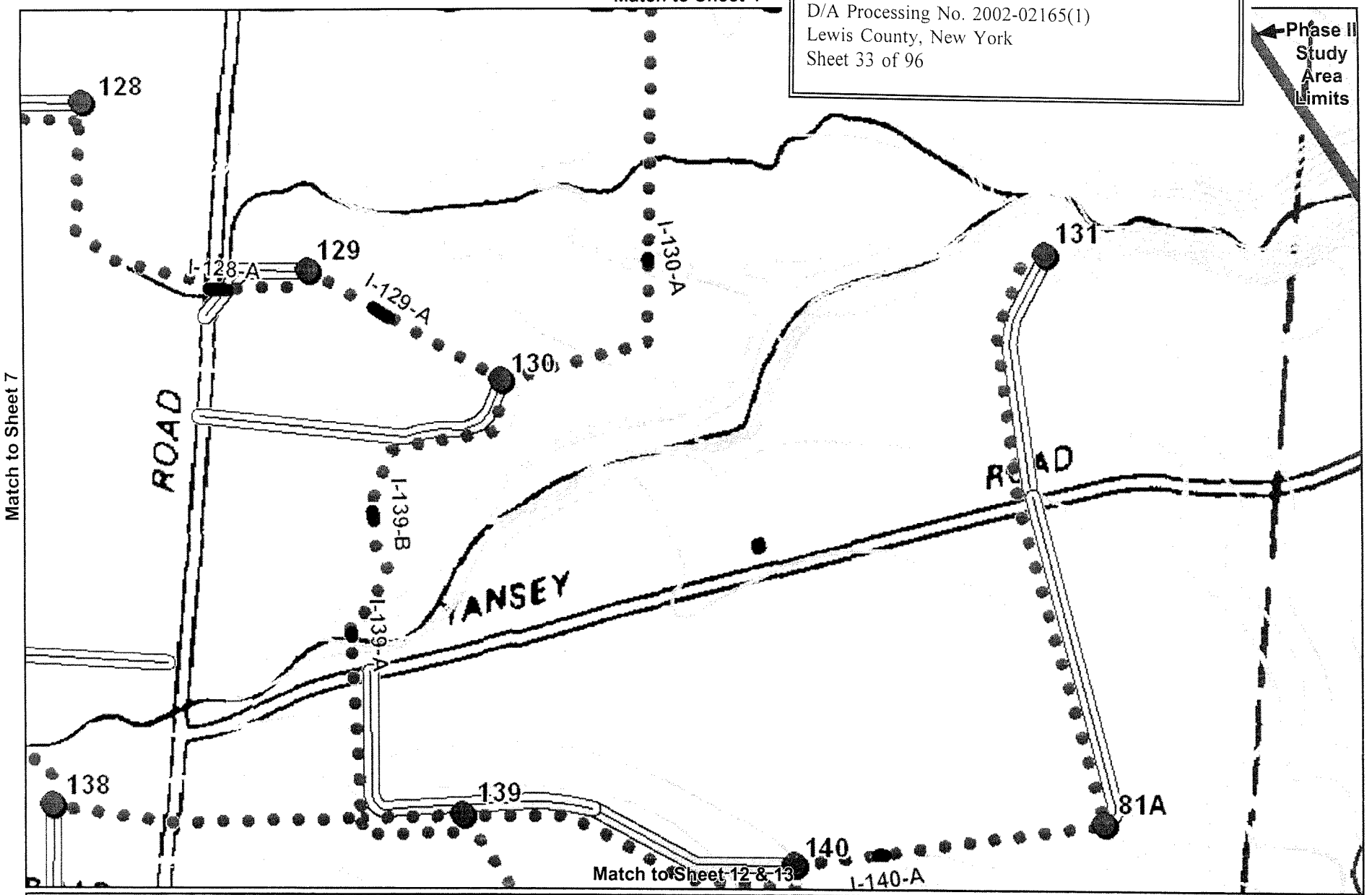


Prepared By: EDR

Prepared For:

NORTH

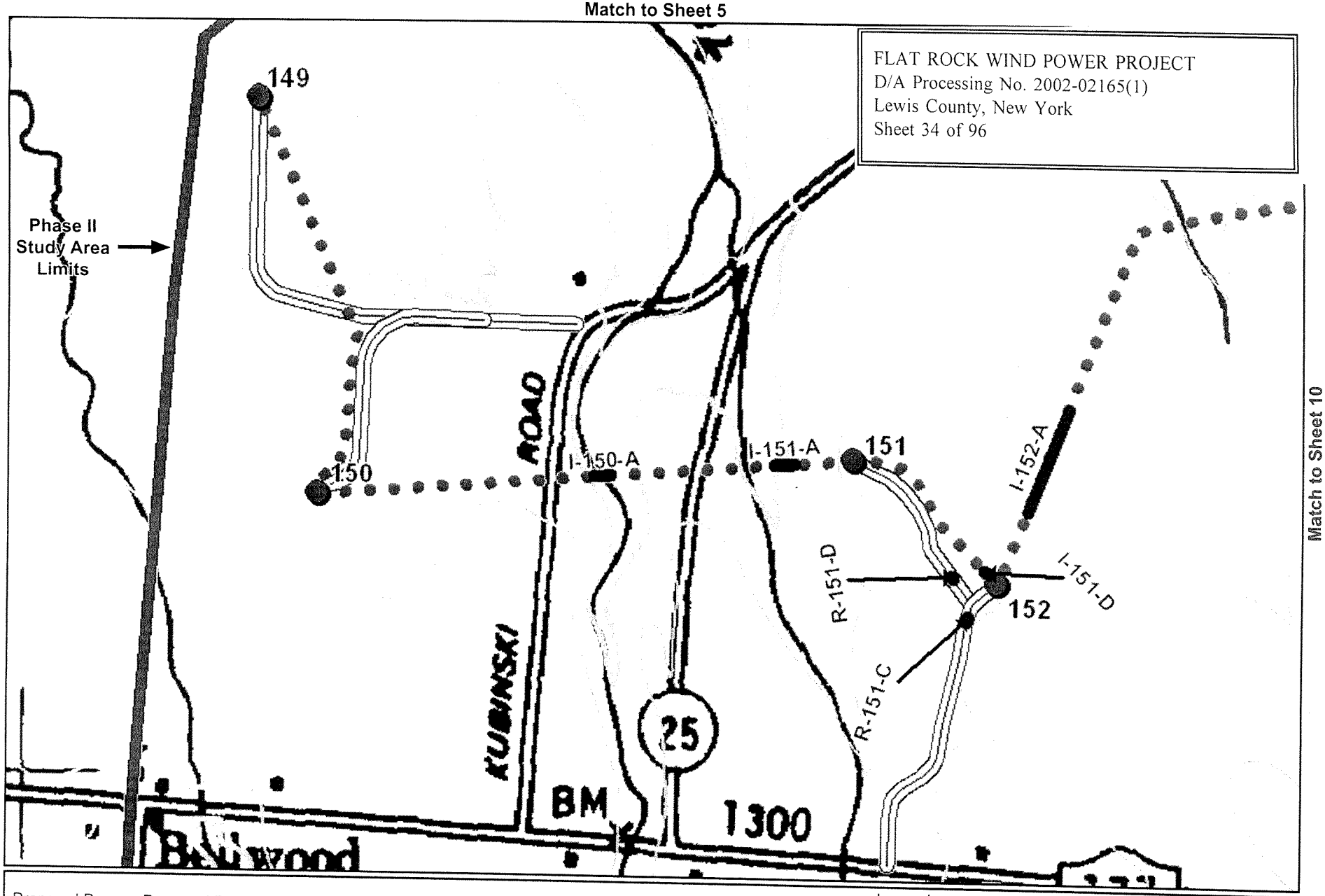
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 8
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 5



Match to Sheet 10

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 9
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road

Match to Sheet 5 & 6

Match to Sheet 9

Match to Sheet 11

Match to Sheet 14

184

61A

I-61A-A

R-61A-A

62A

I-62A-A

R-62A-A

I-62A-B

R-62A-B

R-153A

R-153A-A

I-153A-A

I-153A-B

R-153A-B

153

R-153-B

187

154

I-154-B

I-154-A

ROA

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Prepared By:

EDR PC

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 10
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

FLAT ROCK WIND POWER PROJECT
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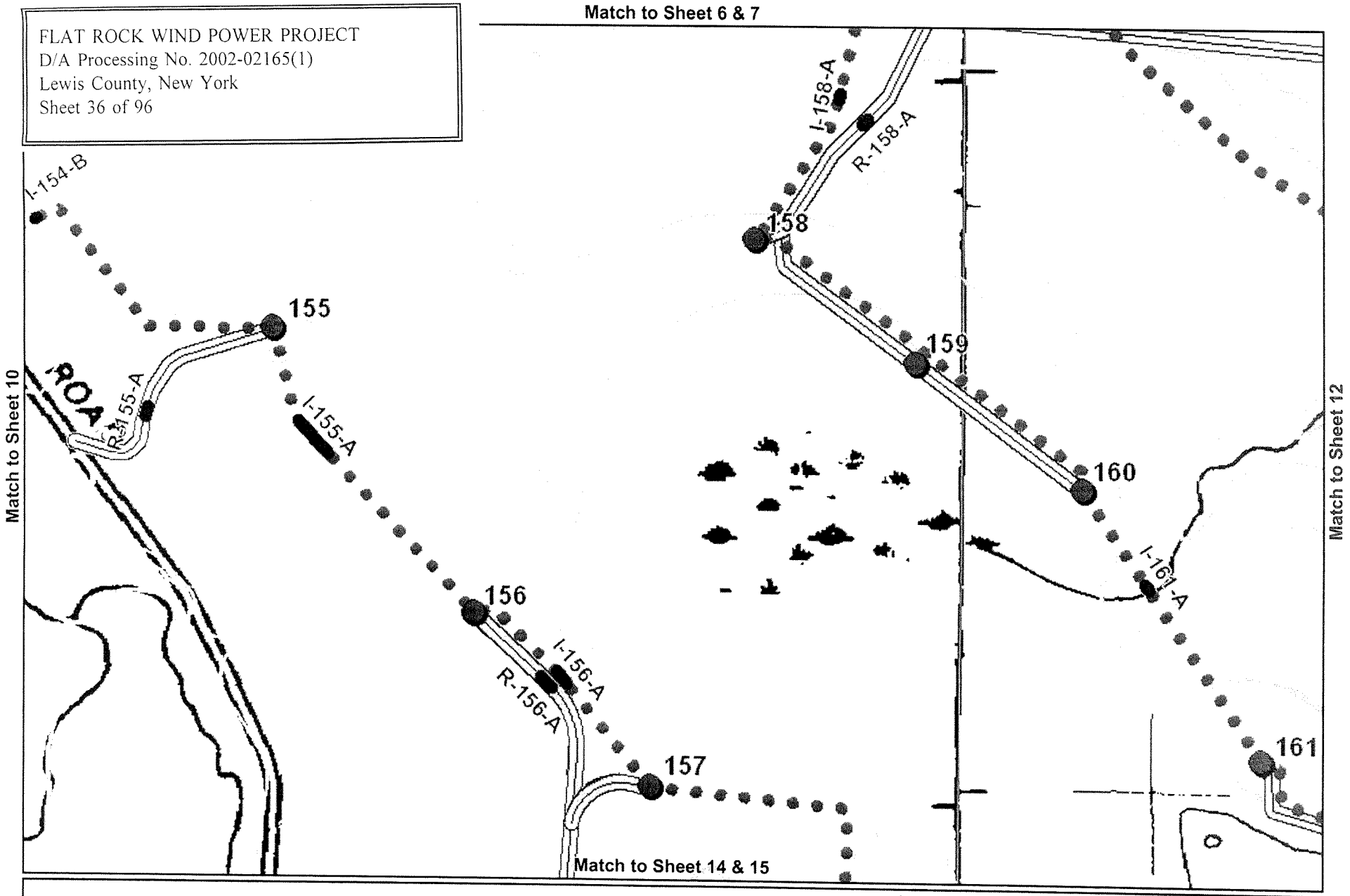

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 11
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 7 & 8

FLAT ROCK WIND POWER PROJECT
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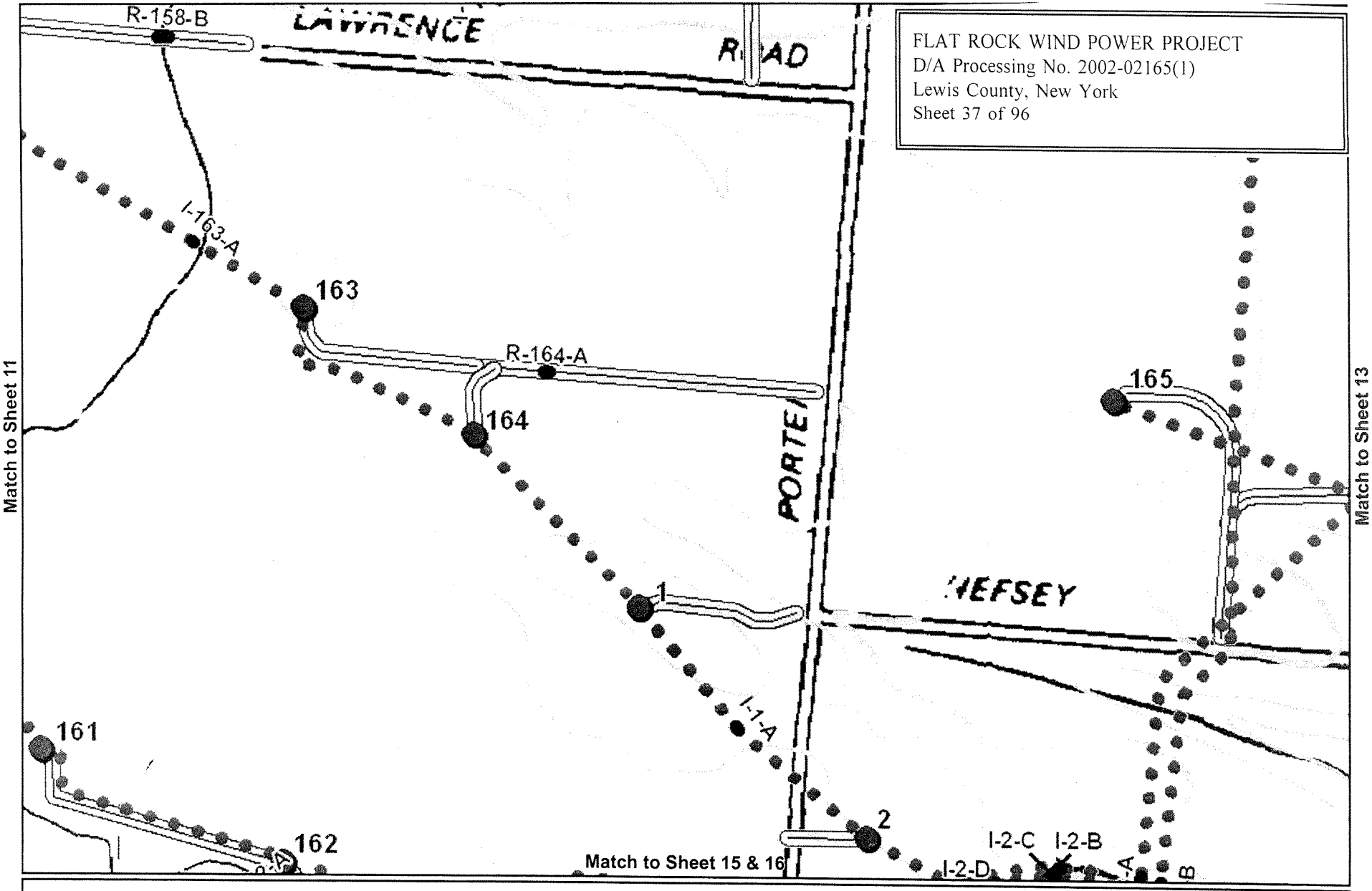
Sheet 37 of 96



Prepared By: EDR

Prepared For:

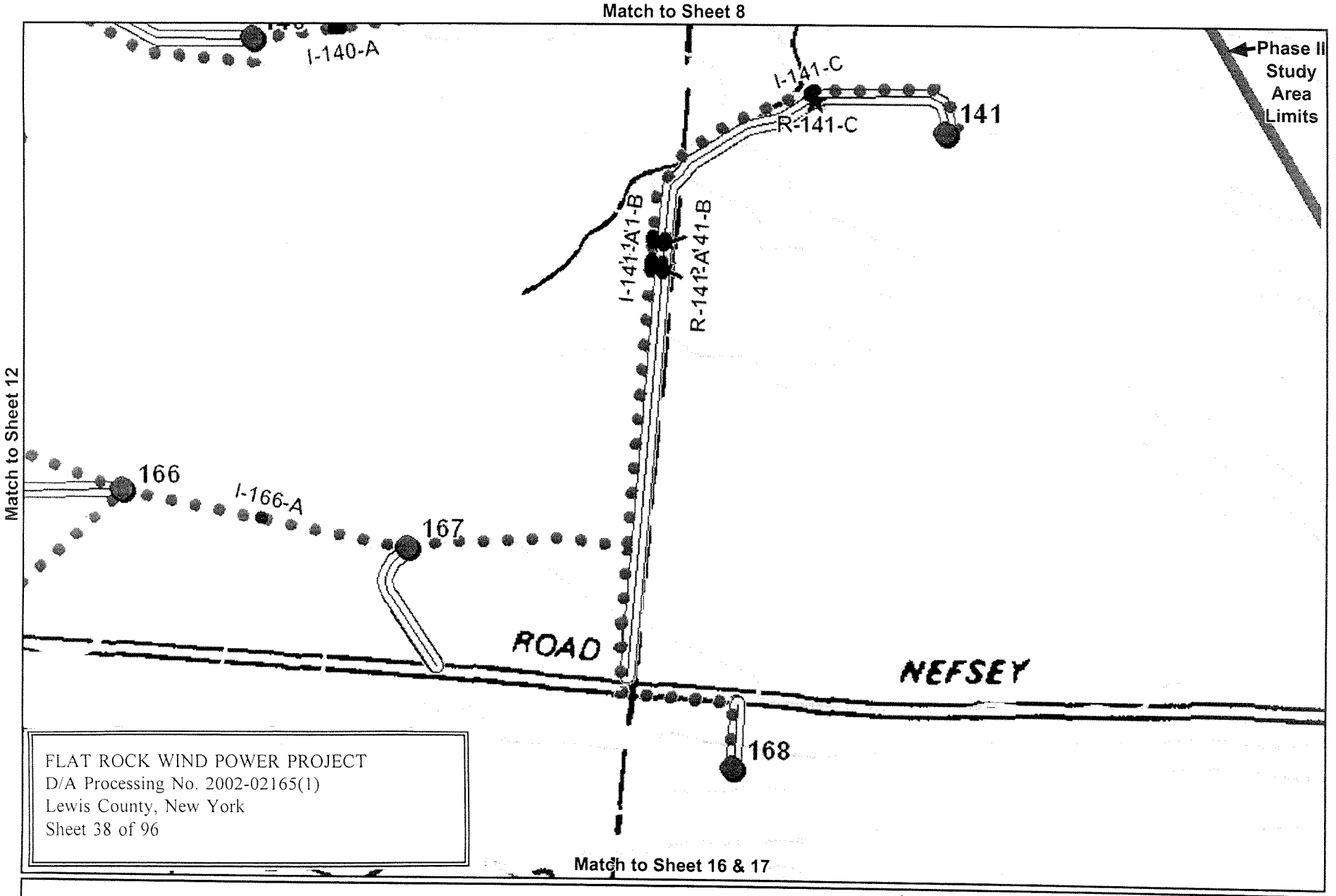
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 12
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



FLAT ROCK WIND POWER PROJECT
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Lewis County, New York
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Prepared By: EDR

Prepared For:

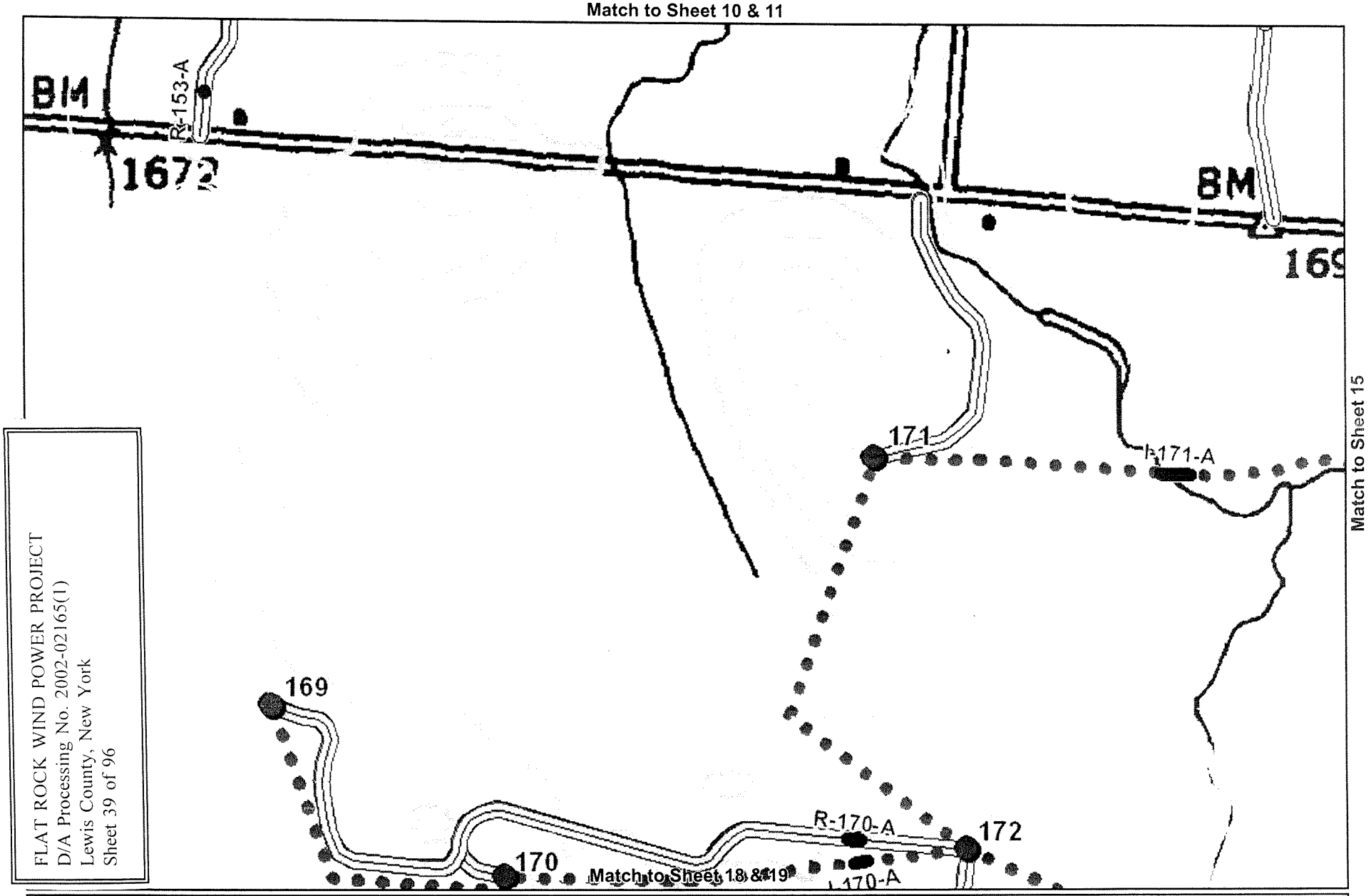
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 13
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By:

EDR

Prepared For:

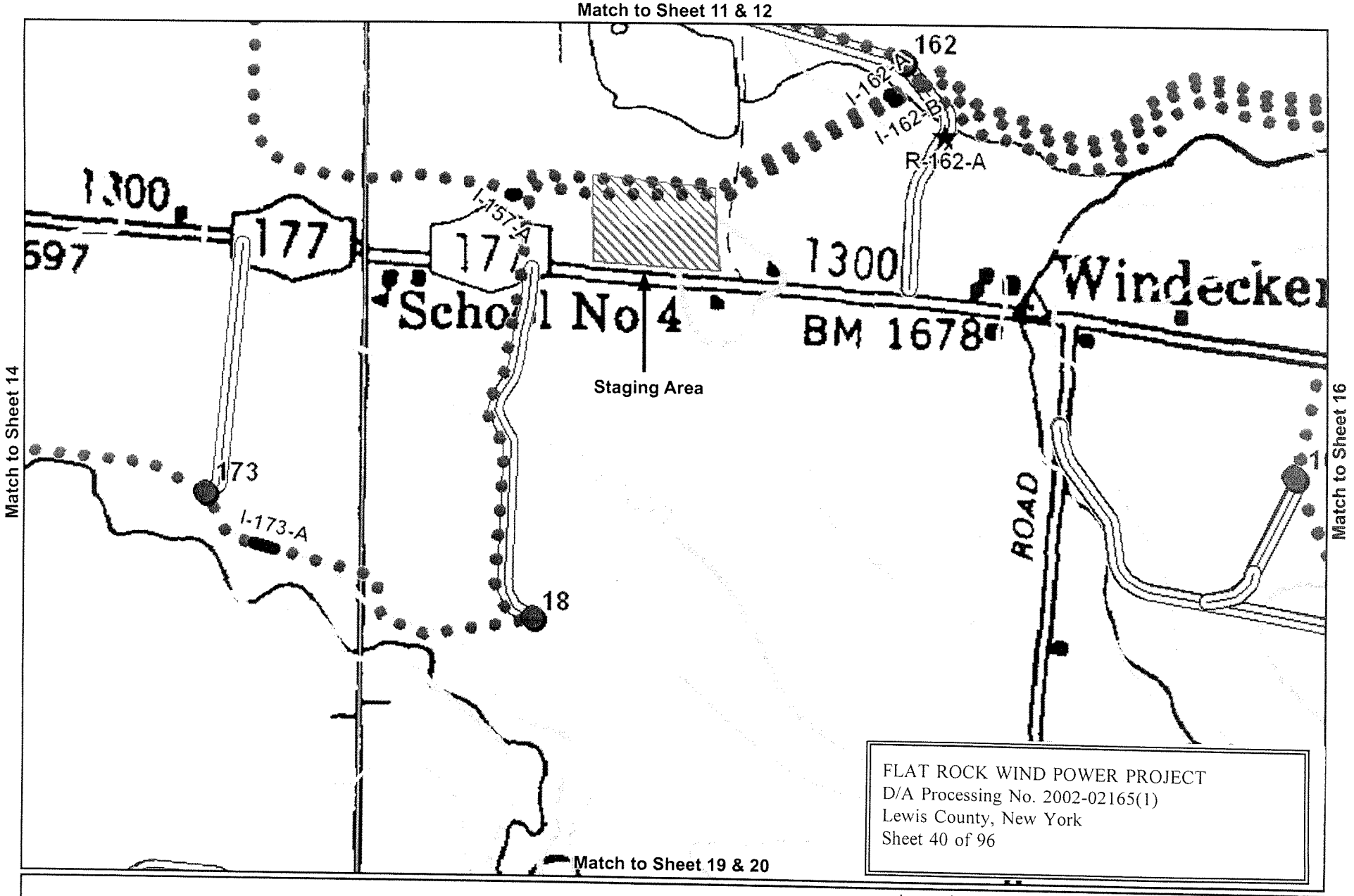
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 14
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

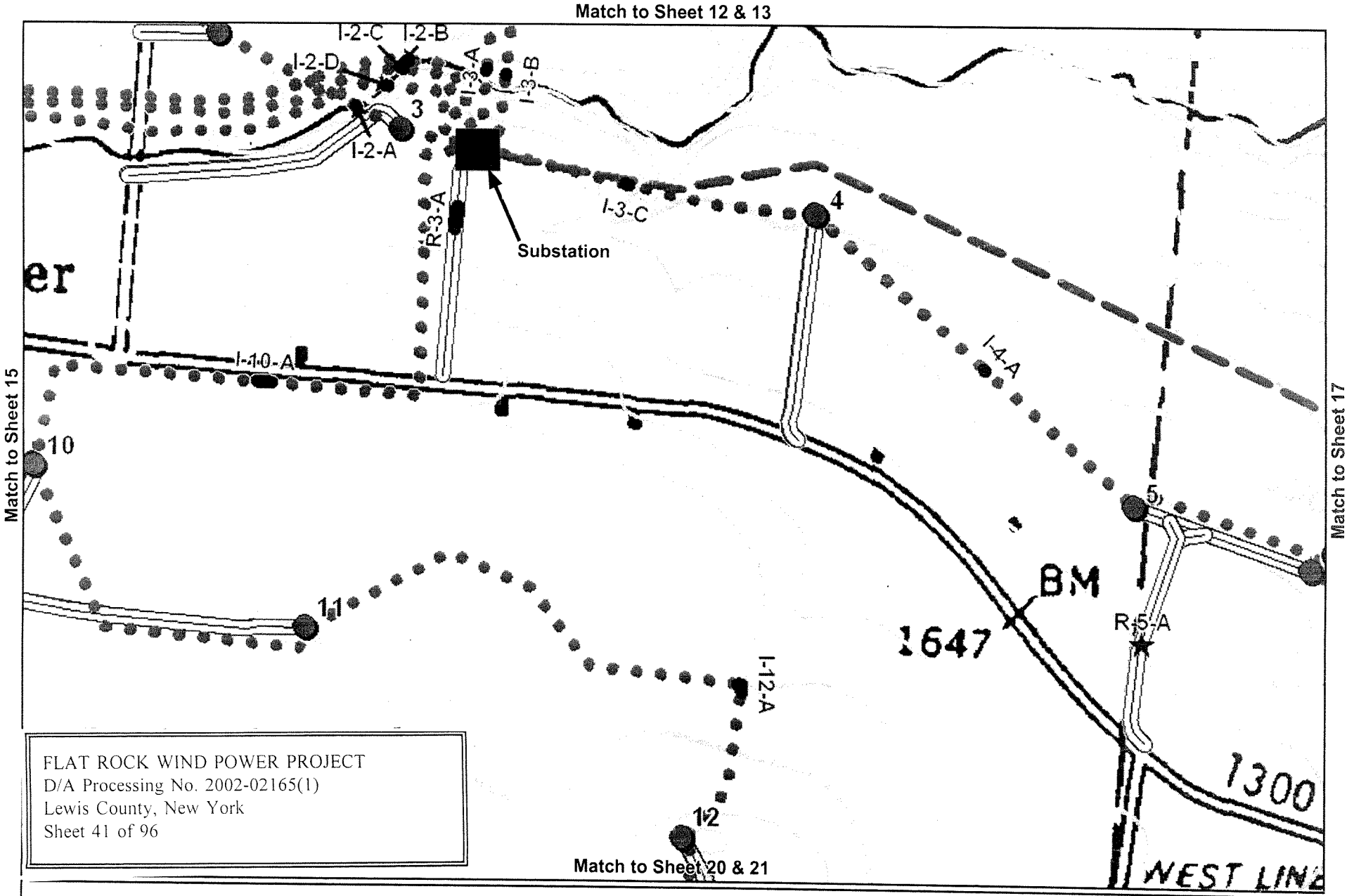
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 15
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 16
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 13

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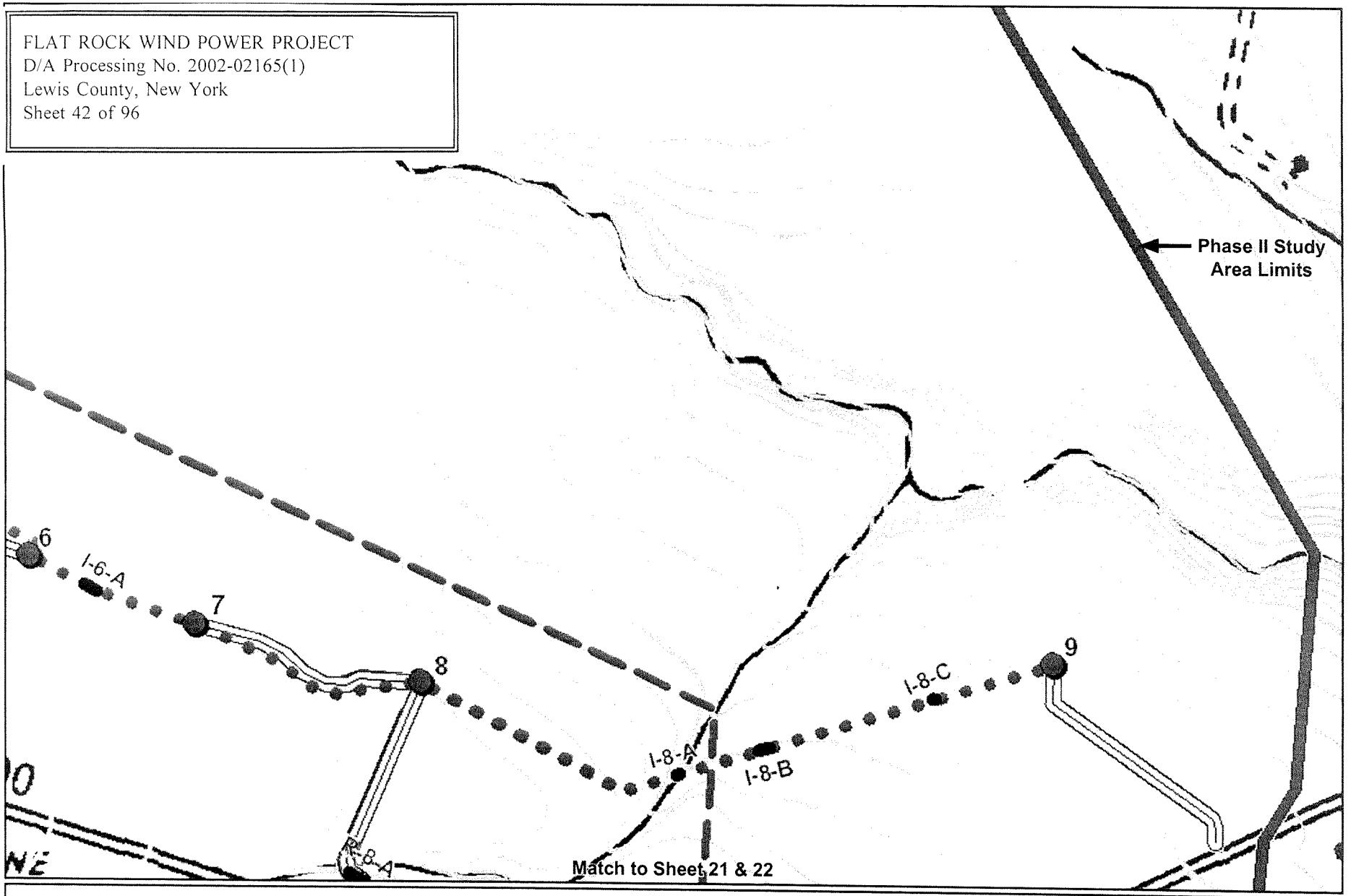
Match to Sheet 16



Prepared By: EDR

Prepared For:

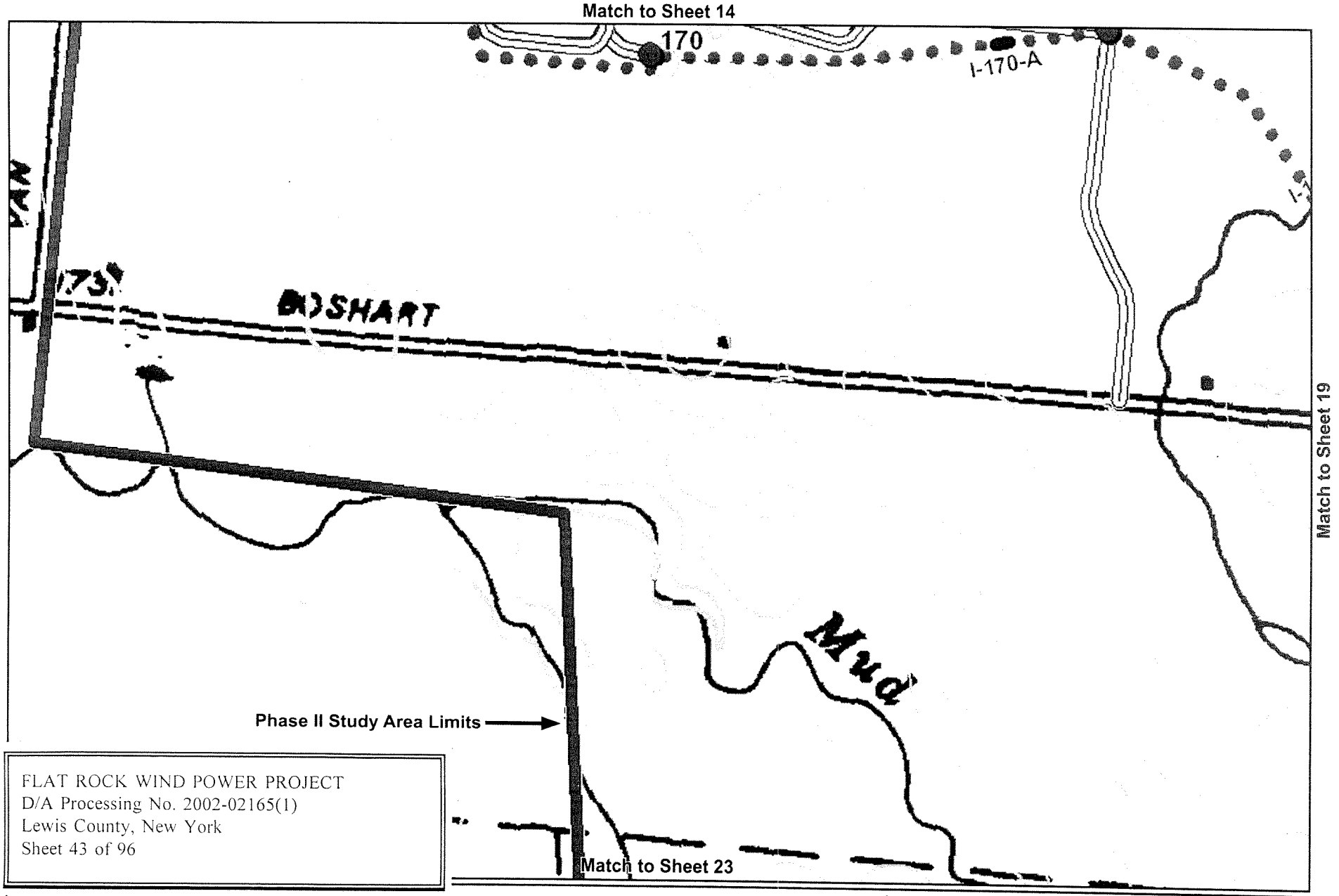
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 17
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



FLAT ROCK WIND POWER PROJECT
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Lewis County, New York
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Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

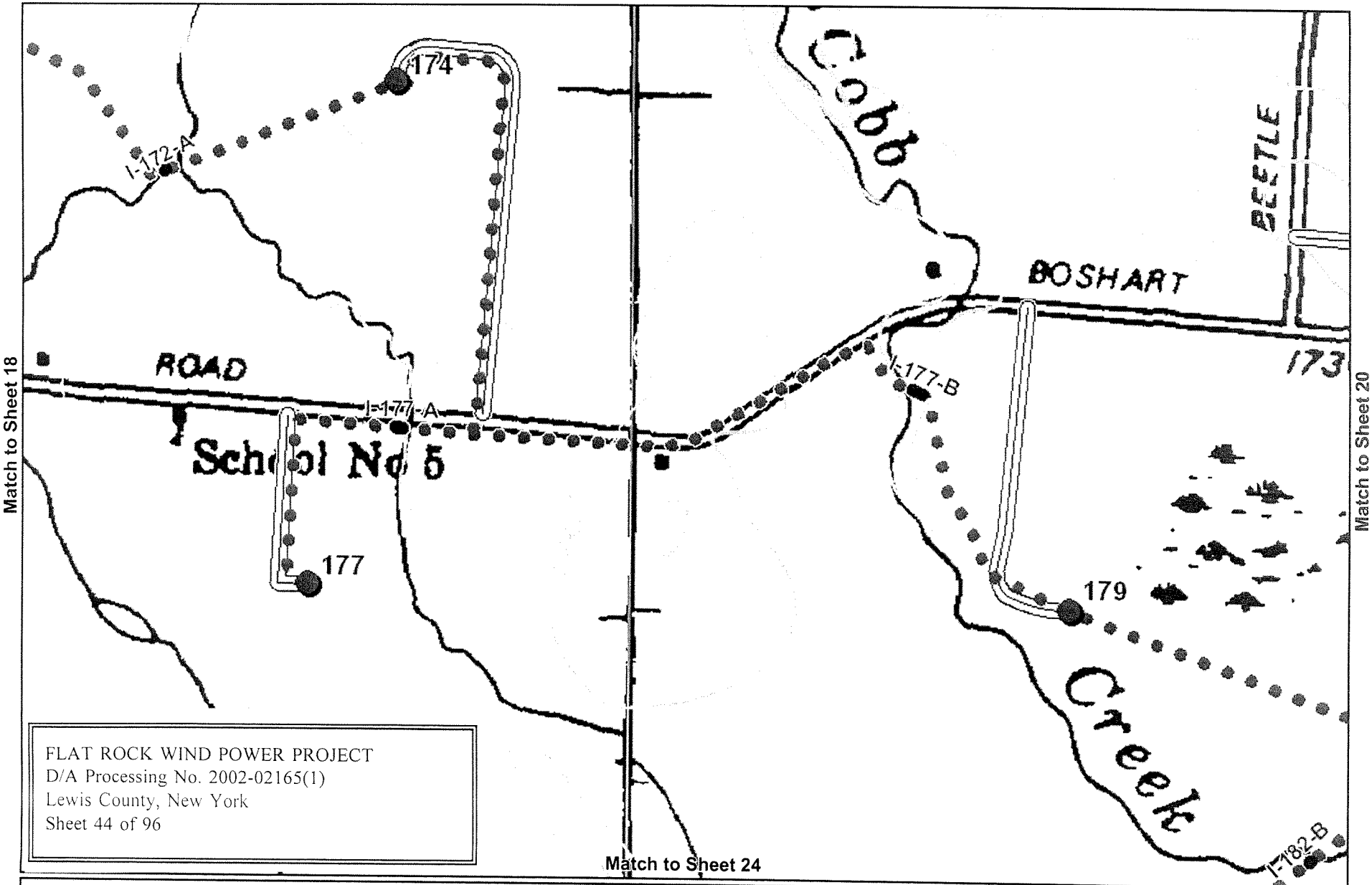
Figure 4 (Revised). Wetland Impacts Sheet 18
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 14 & 15

Match to Sheet 18



FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
Sheet 44 of 96

Match to Sheet 24

Match to Sheet 20

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

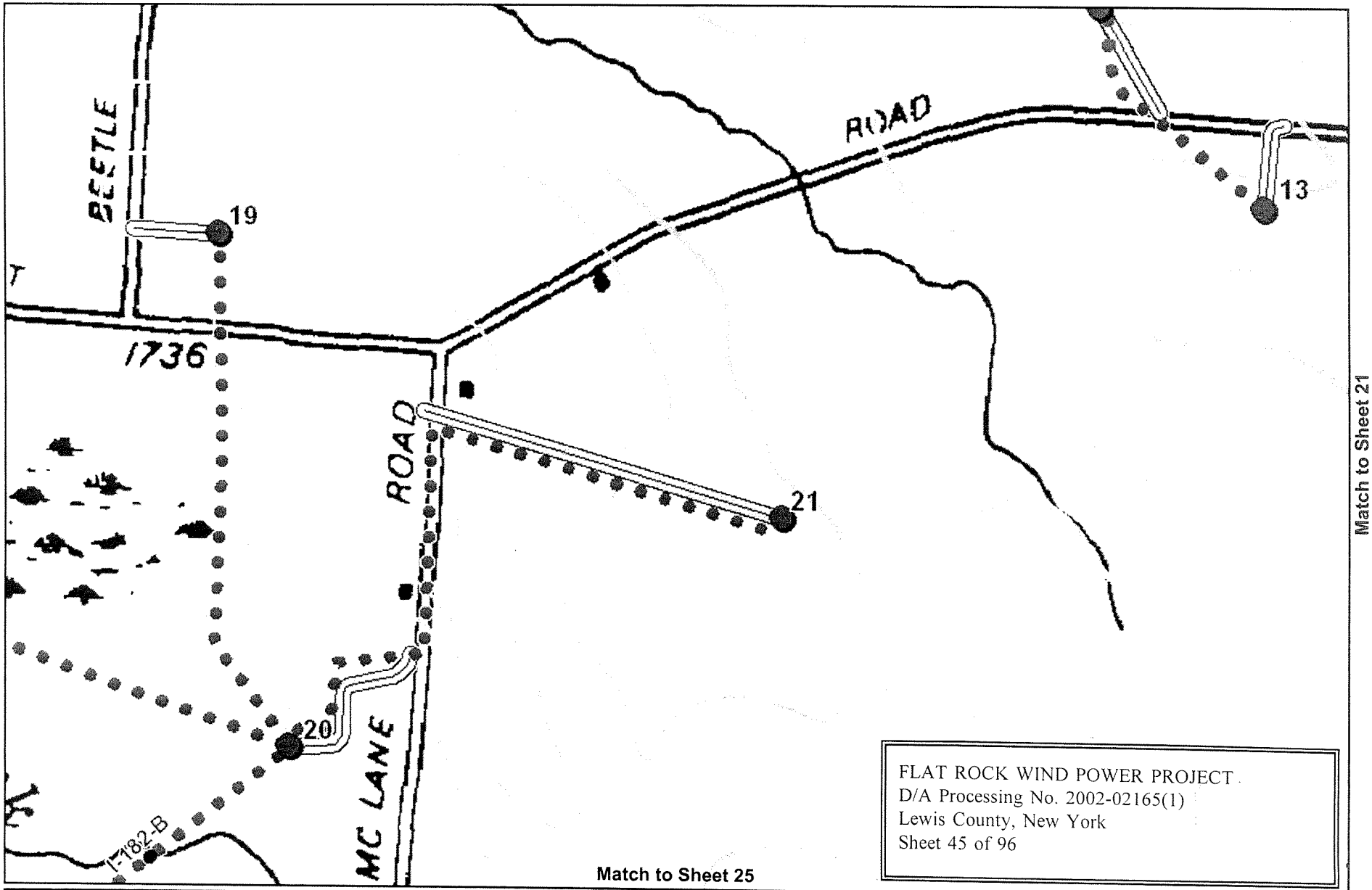
Figure 4 (Revised). Wetland Impacts Sheet 19
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 15 & 16

Match to Sheet 19



Match to Sheet 21

Match to Sheet 25

FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
Sheet 45 of 96

Prepared By: EDR

Prepared For:

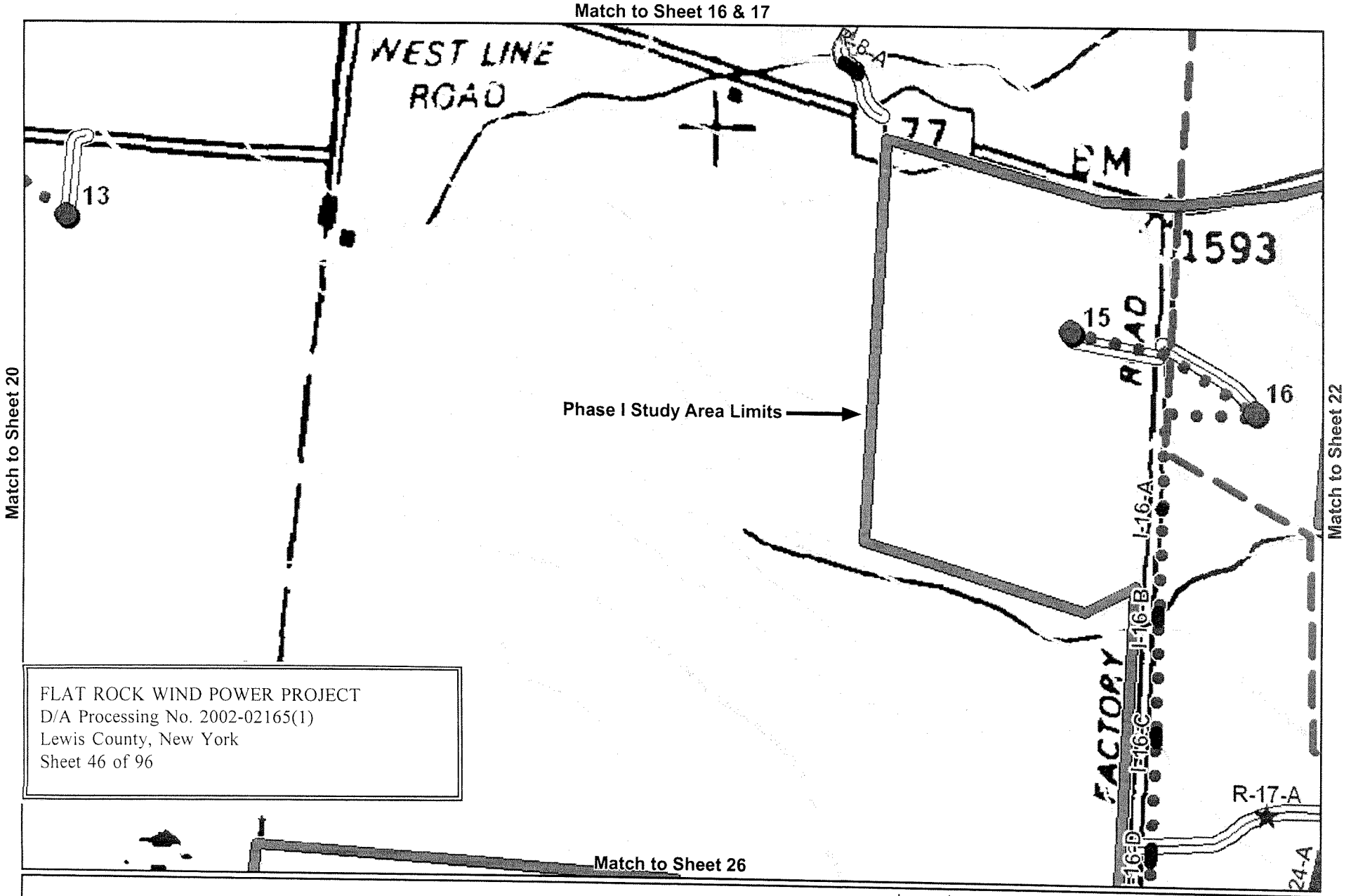
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 20
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR PC

Prepared For:

NORTH

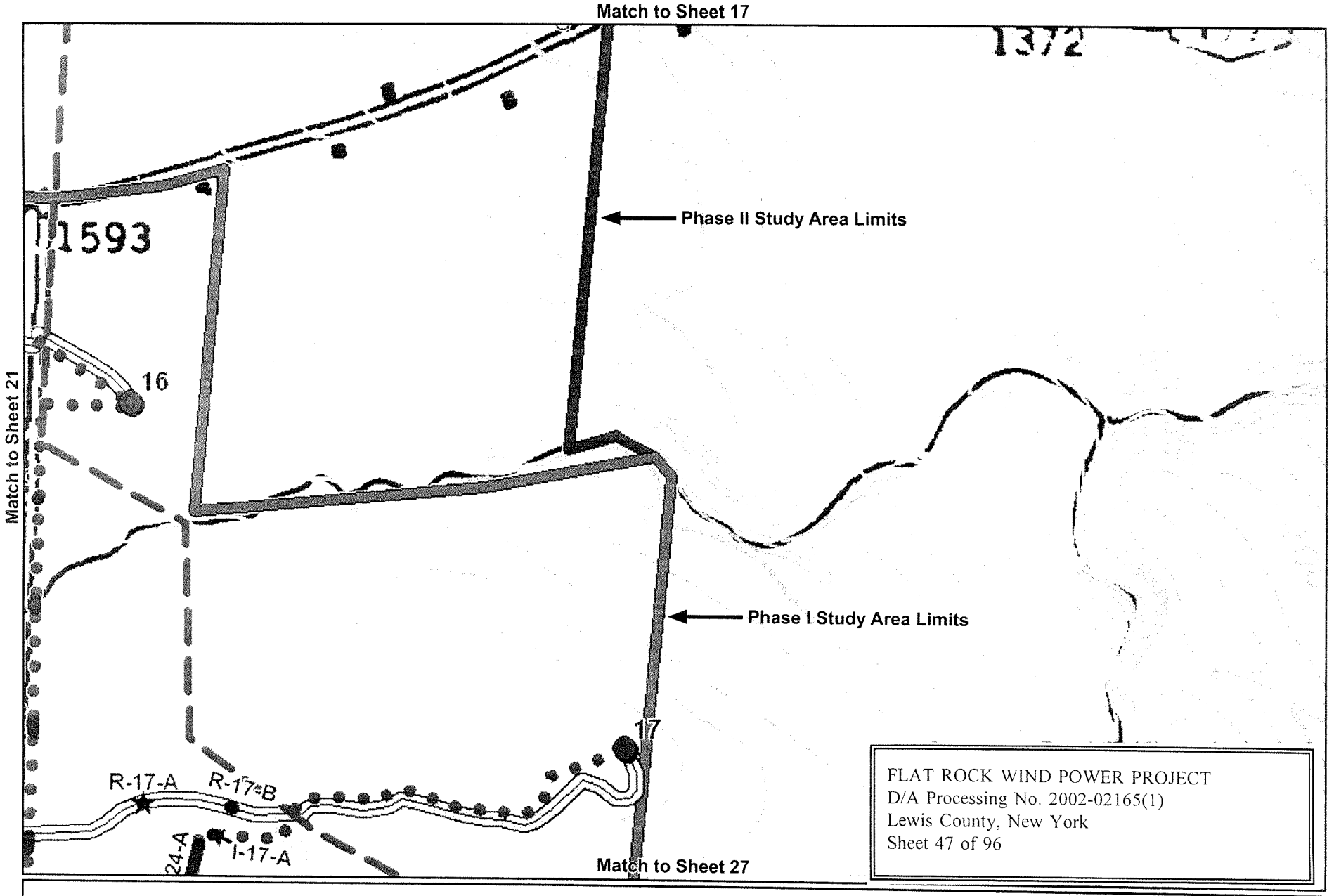
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 21

Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

- R-82-A — Wetland Disturbance
- R-120-A — Existing Crossing
- 21 — Turbine
- Overhead Electrical Line
- Buried Interconnect
- Access Road



FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
Sheet 47 of 96

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 22
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 18

FLAT ROCK WIND POWER PROJECT
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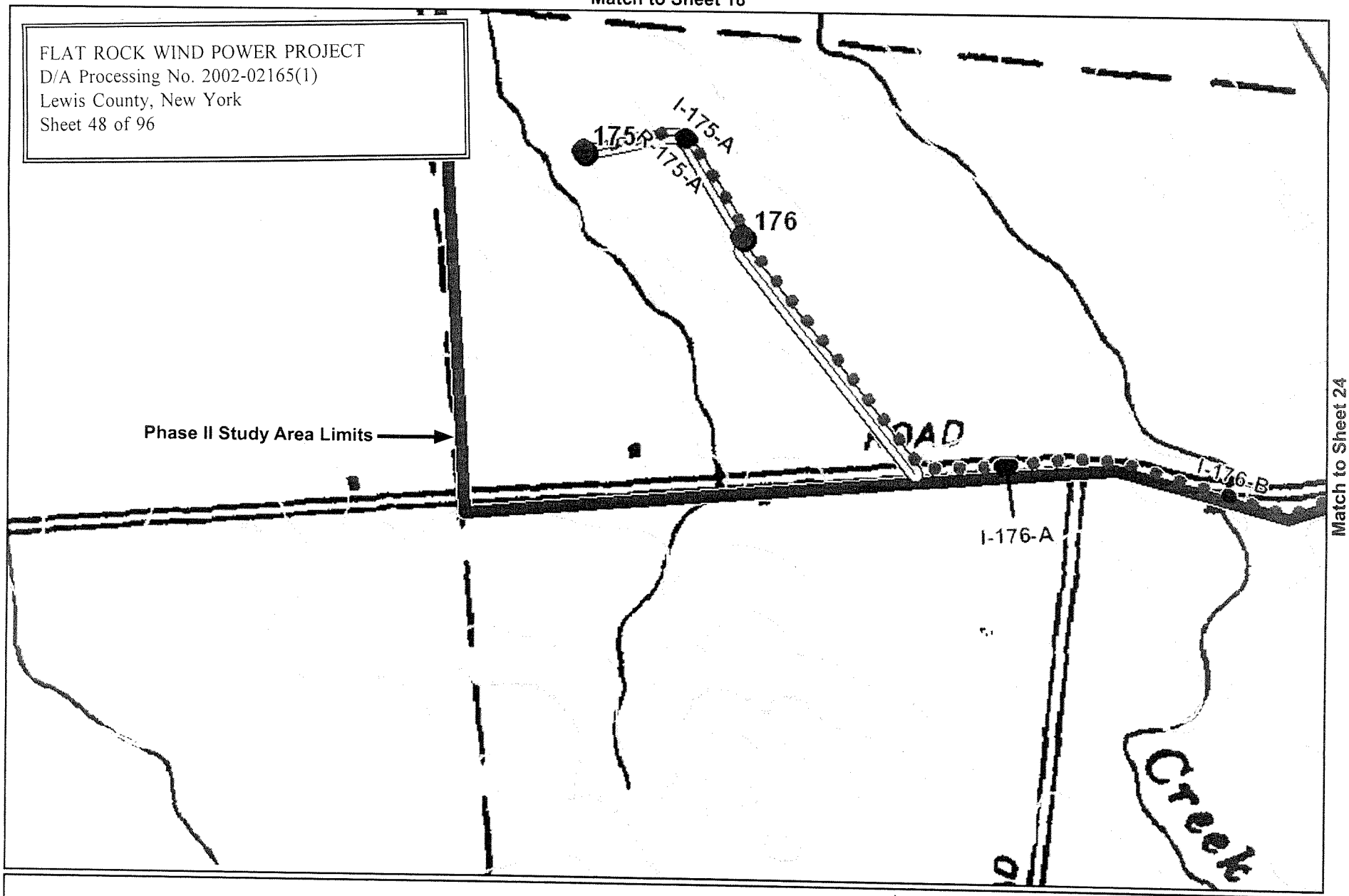


Match to Sheet 24

Prepared By: EDR

Prepared For:

NORTH

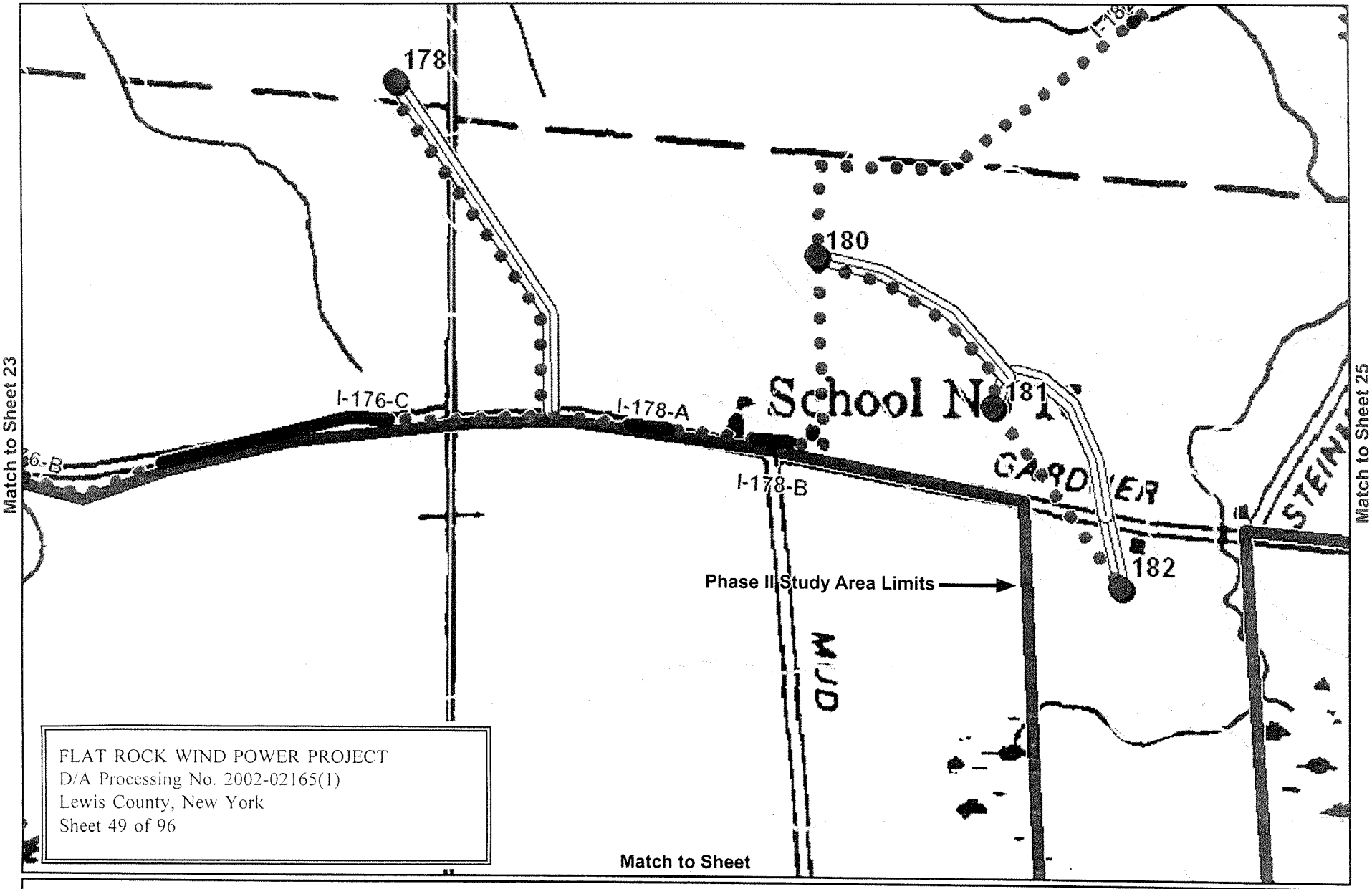
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 23
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 19



FLAT ROCK WIND POWER PROJECT
D/A Processing No. 2002-02165(1)
Lewis County, New York
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Prepared By: EDR

Prepared For:

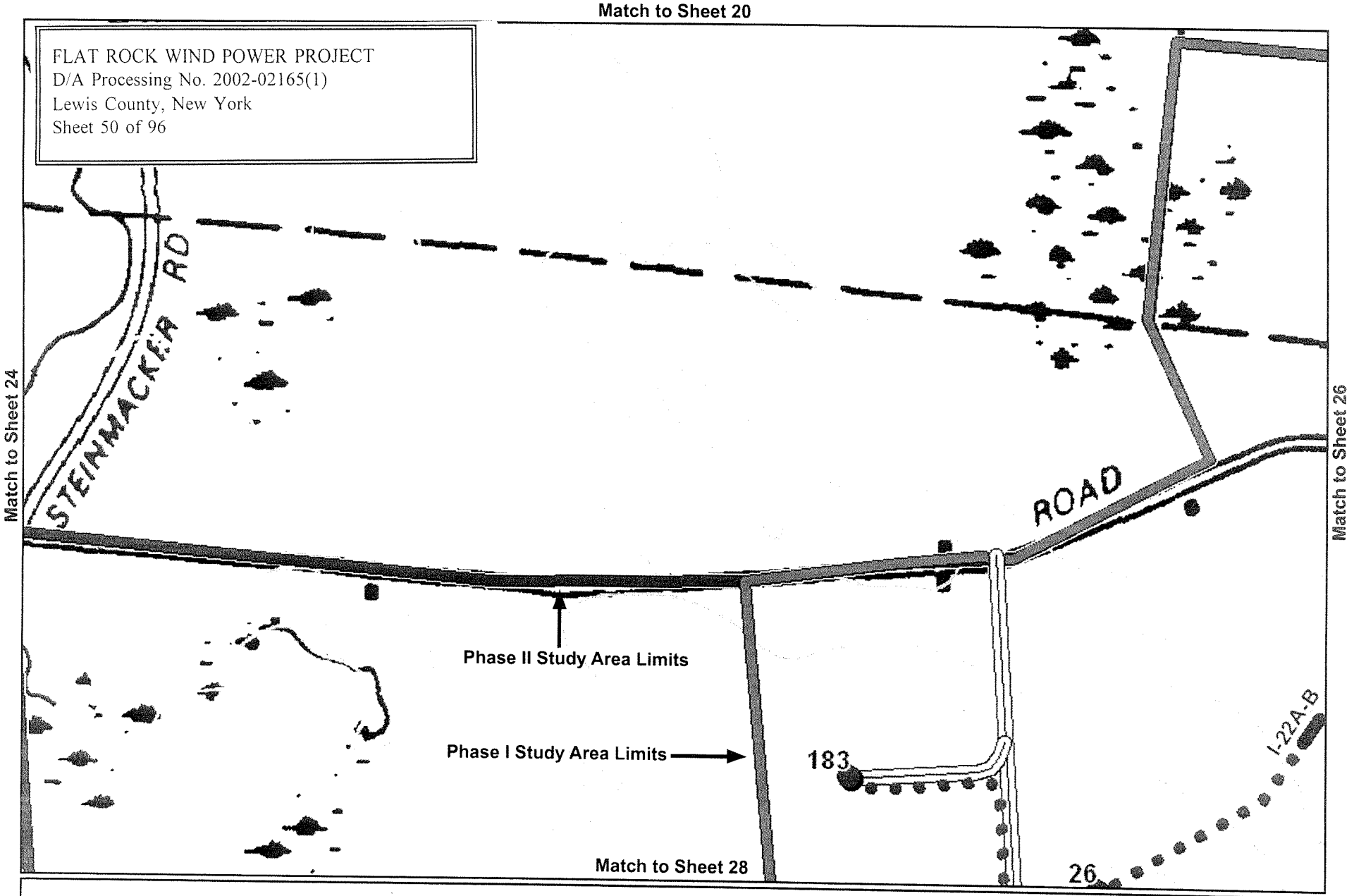
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 24
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By: EDR

Prepared For:

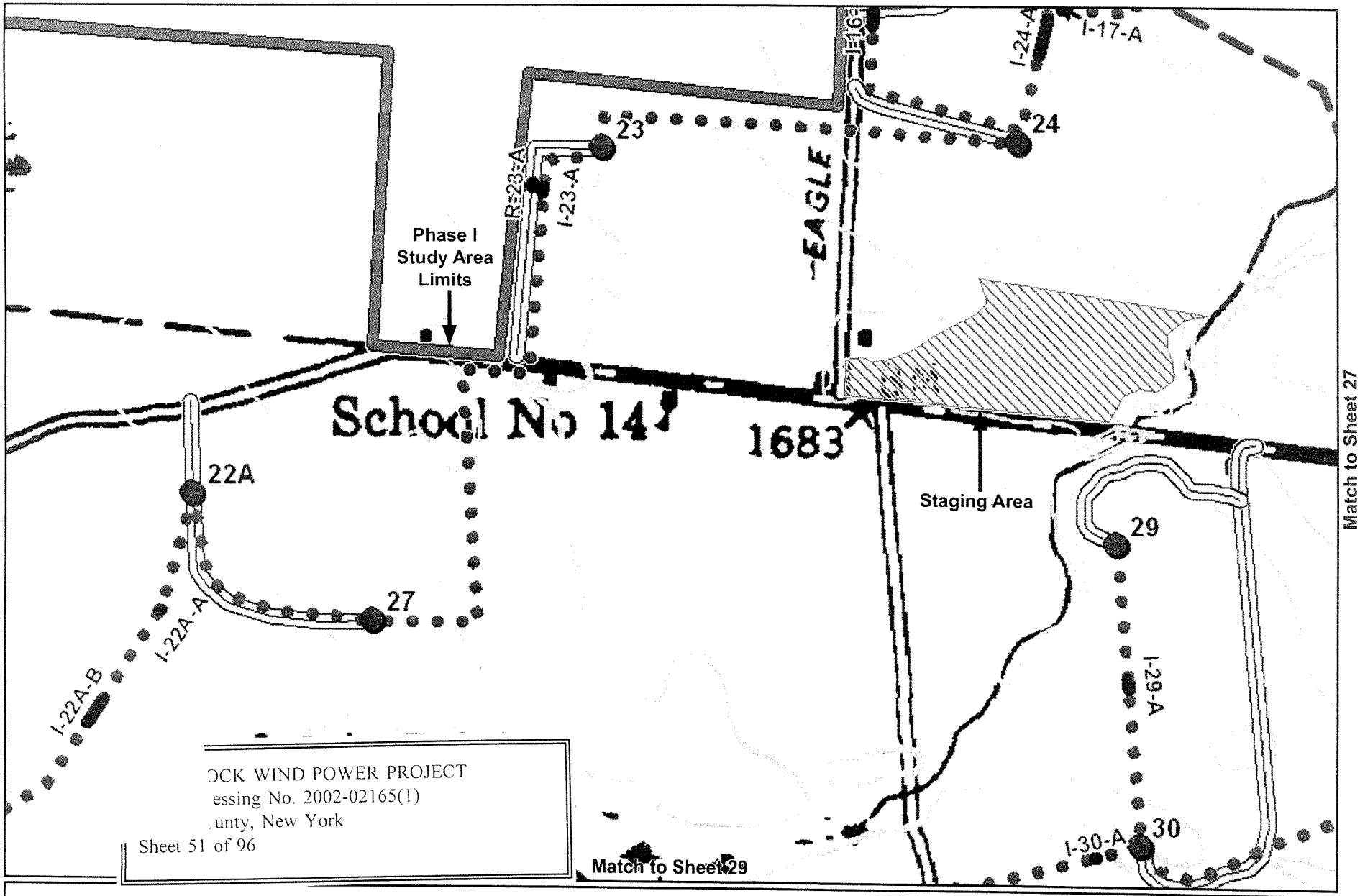
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 25
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By: EDR

Prepared For:

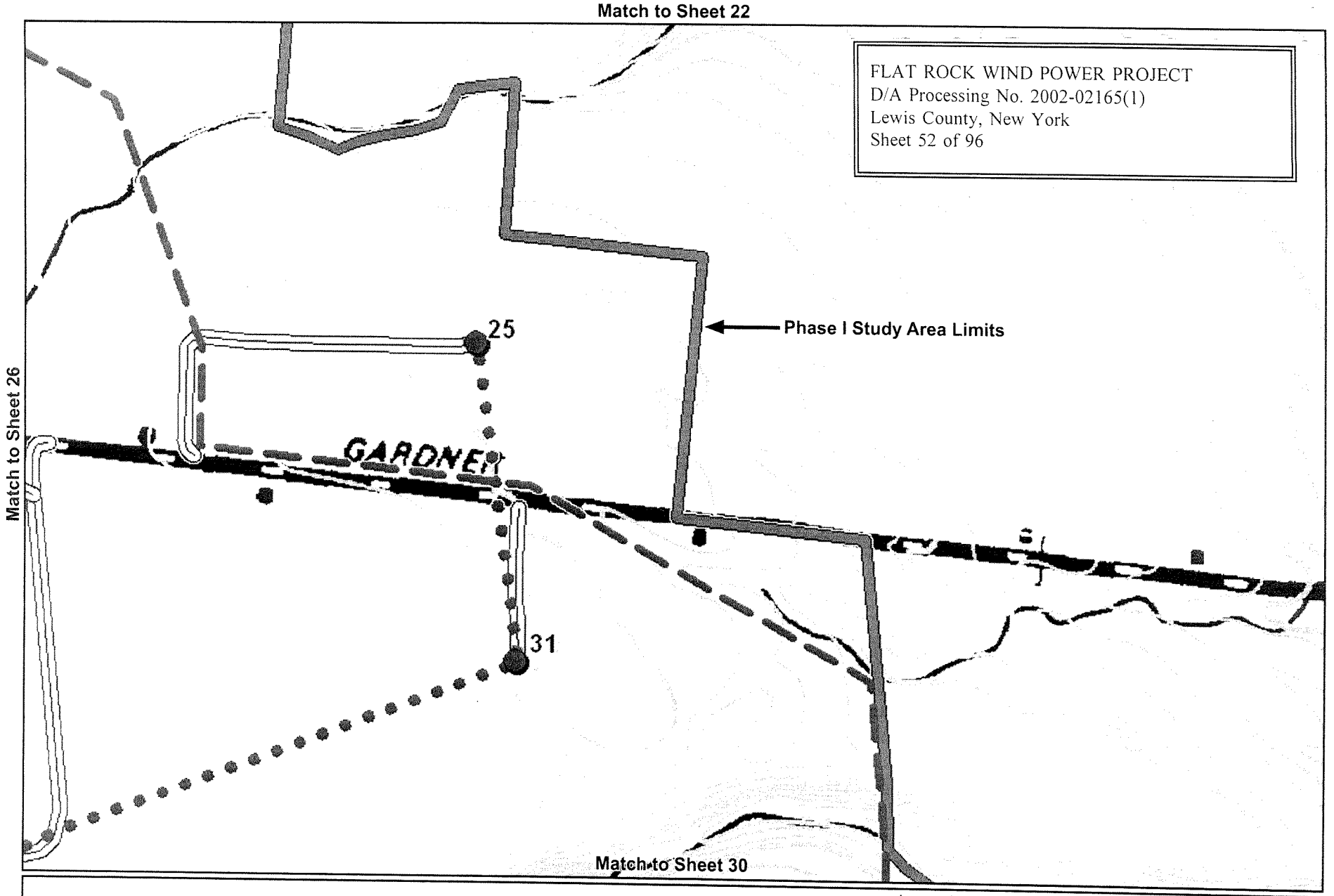
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 26
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By: EDR

Prepared For:

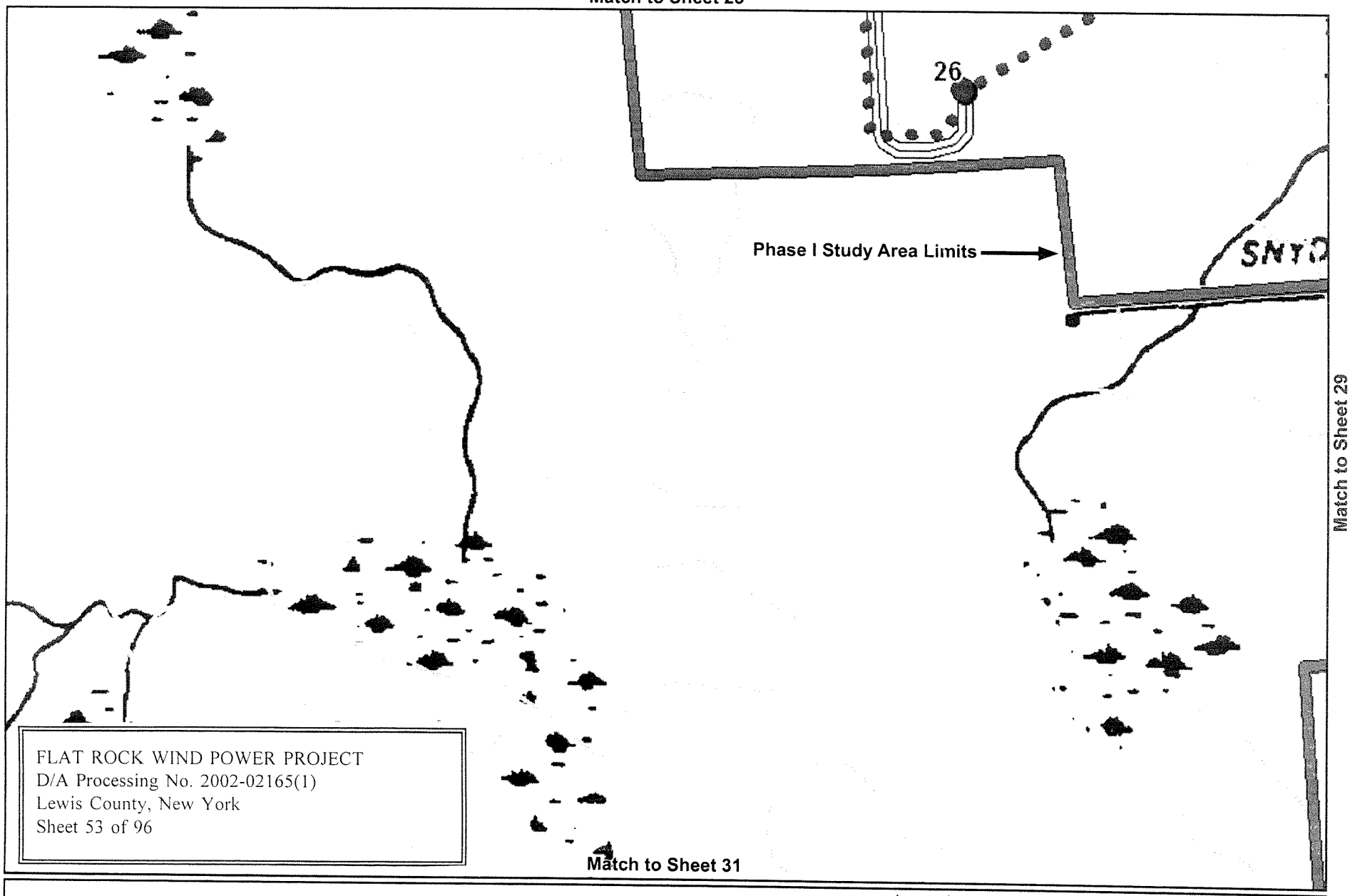
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 27
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

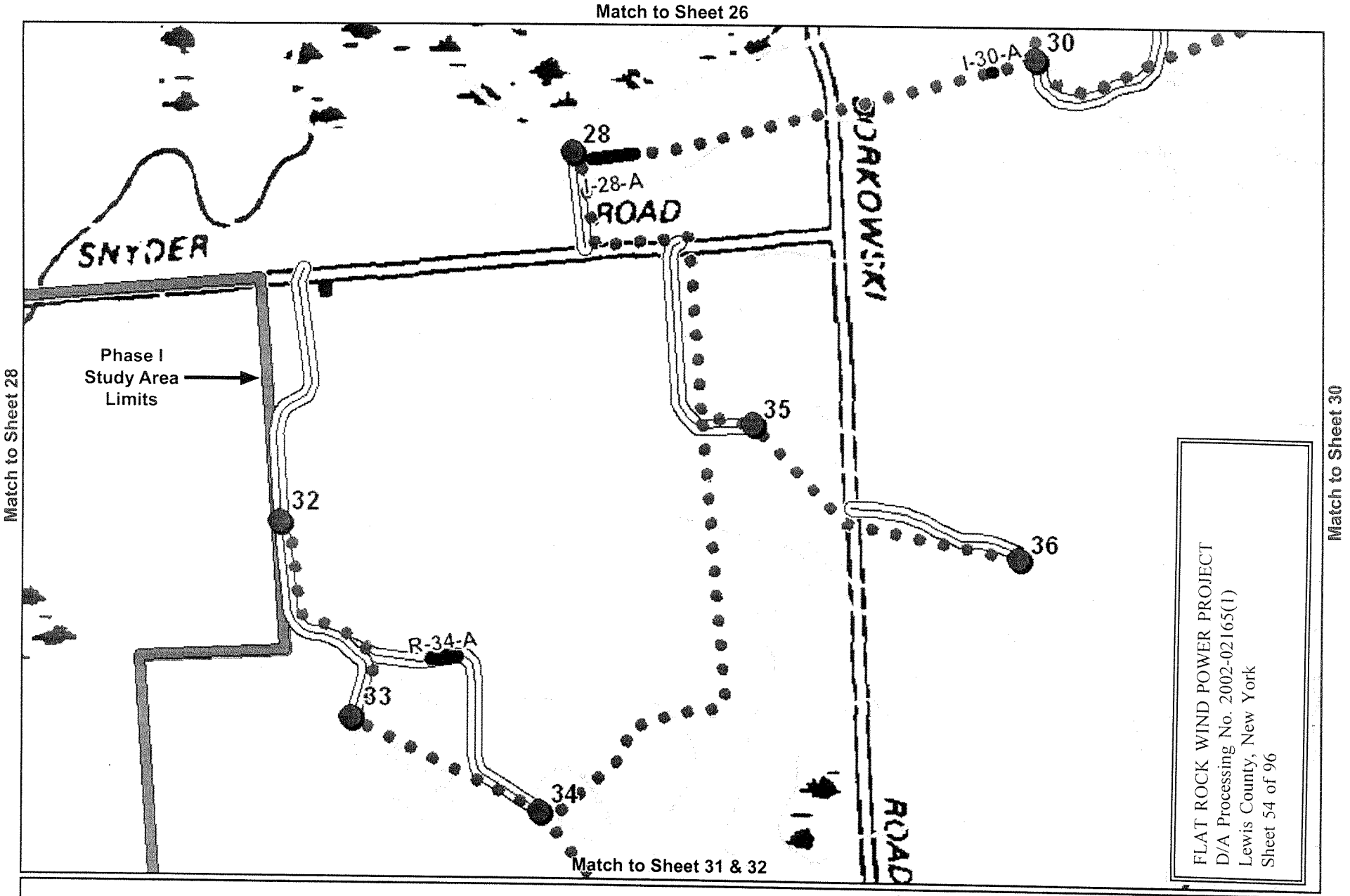
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 28
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By: EDR

Prepared For:

NORTH

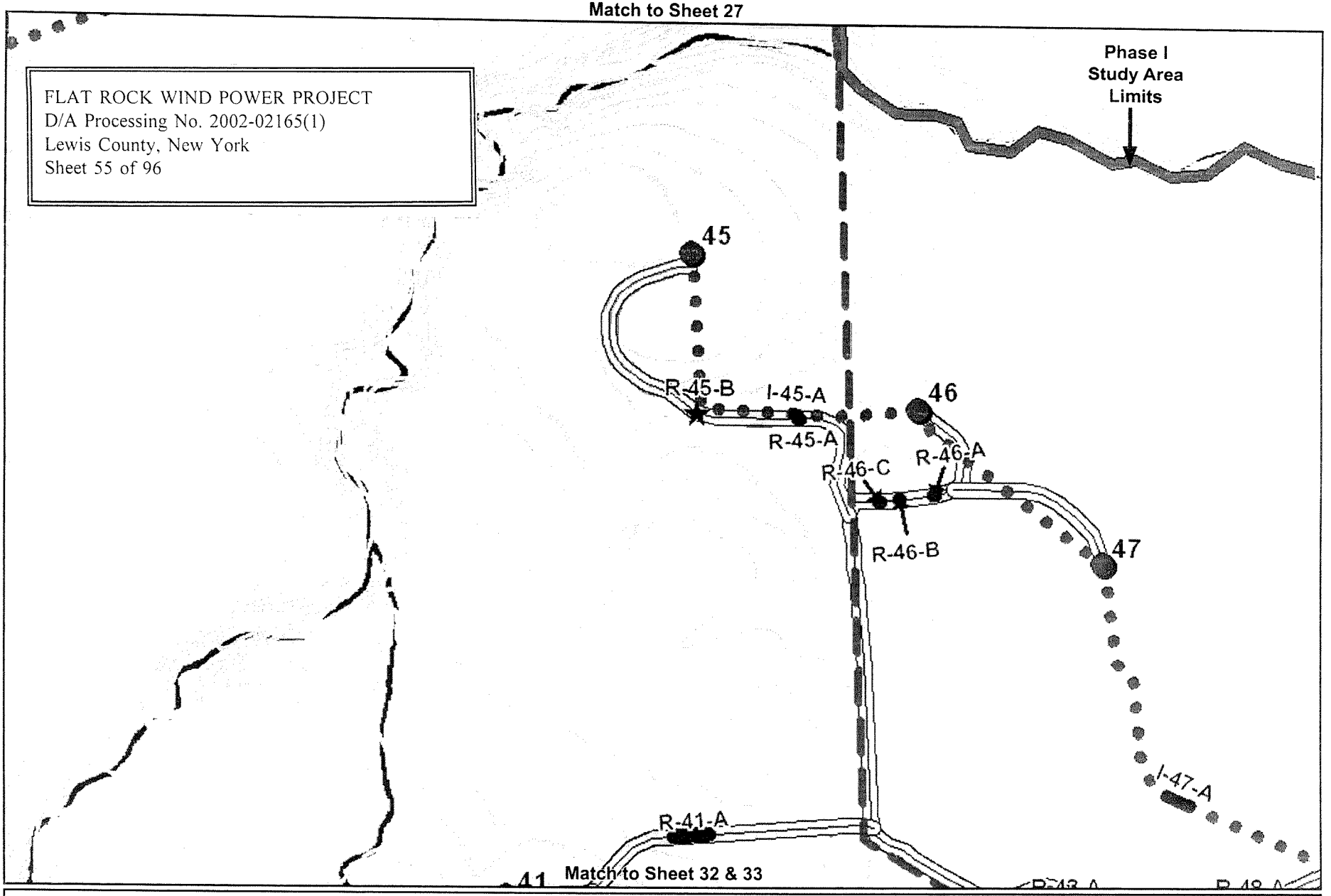
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 29

Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

- R-82-A — Wetland Disturbance
- R-120-A — Existing Crossing
- 21 — Turbine
- Overhead Electrical Line
- Buried Interconnect
- Access Road



Prepared By:

EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 30
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

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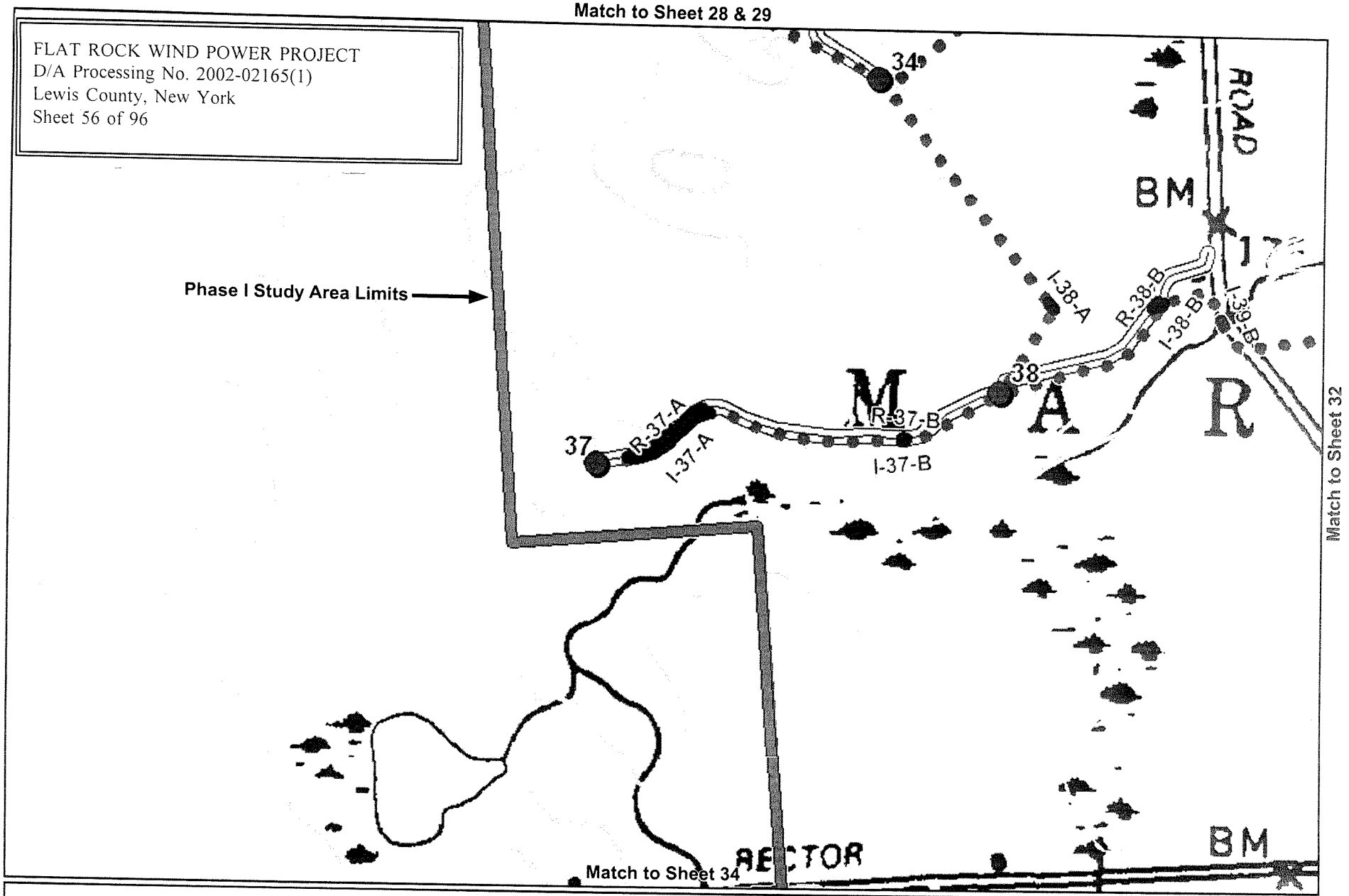


Prepared By: EDR

Prepared For:

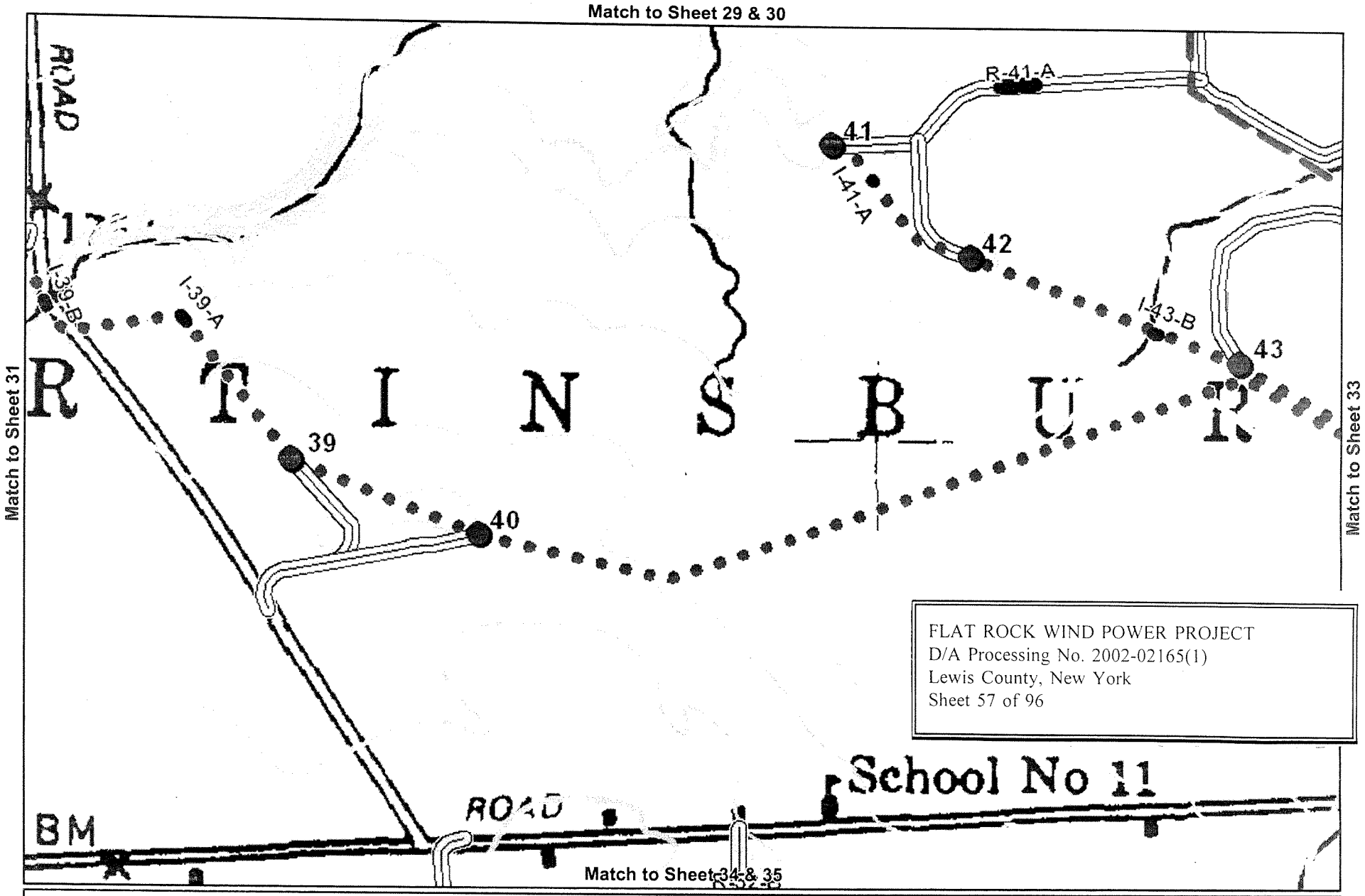
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 31
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 32
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

FLAT ROCK WIND POWER PROJECT
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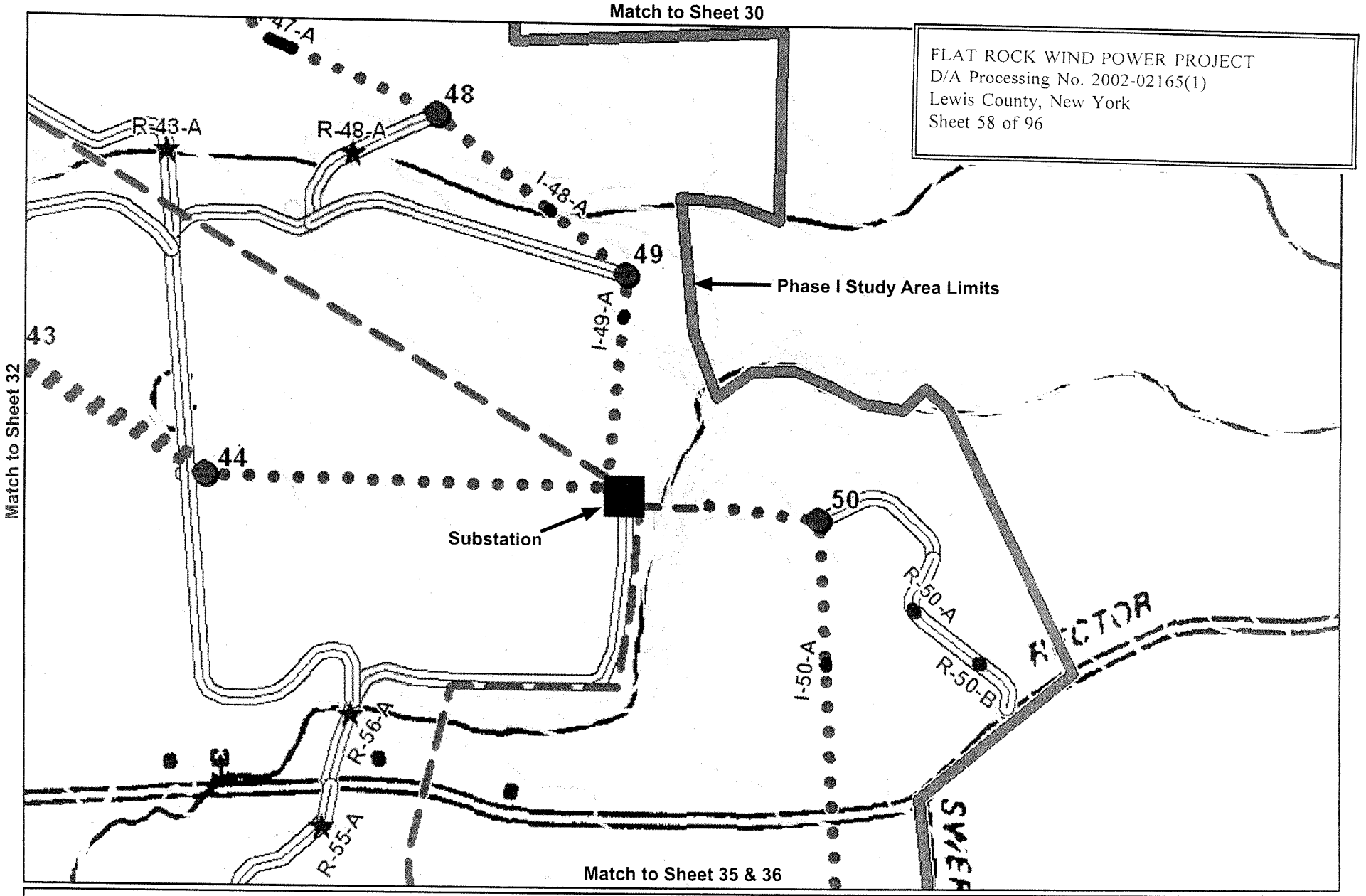


Prepared By: EDR

Prepared For:

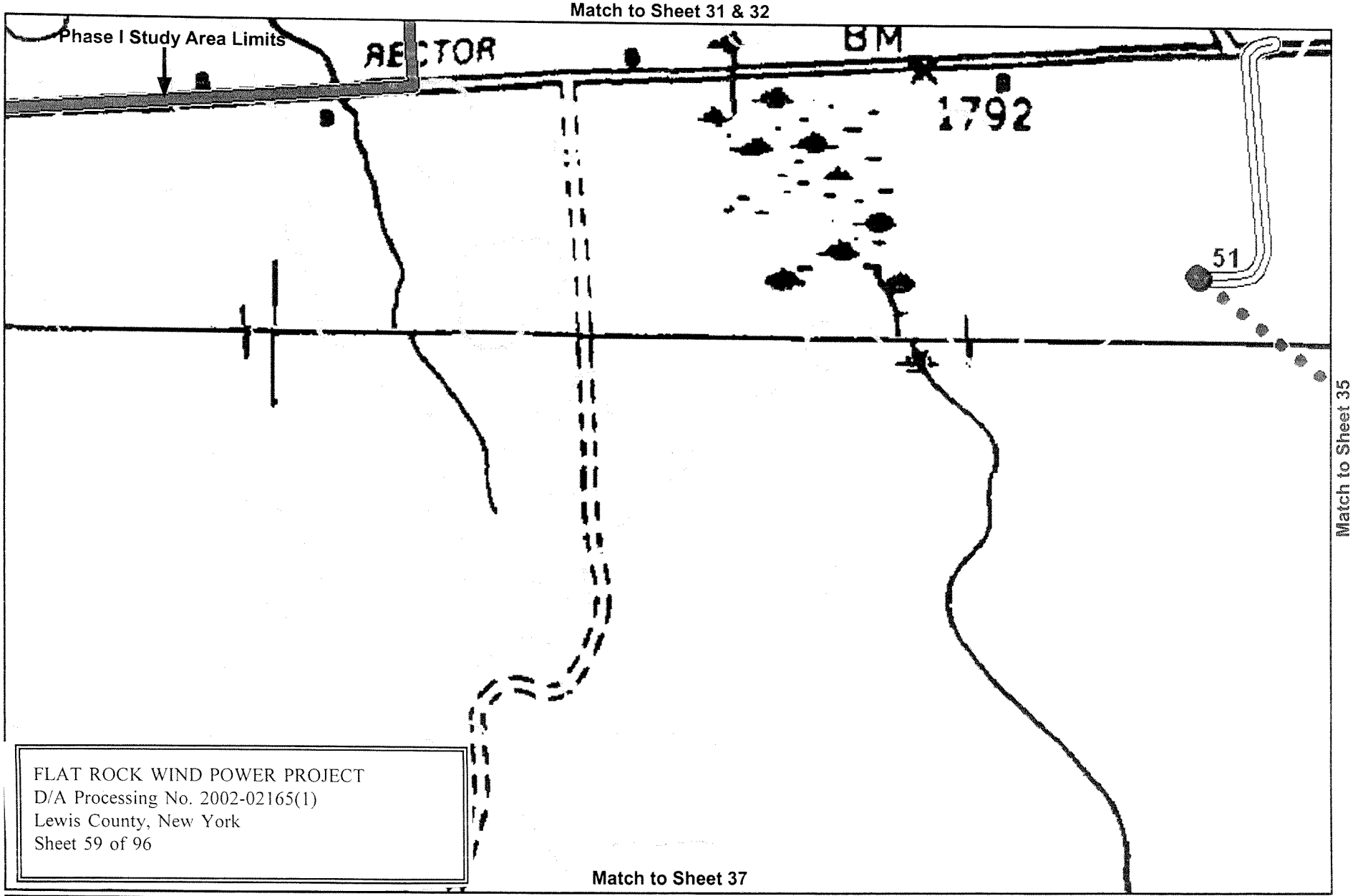
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 33
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

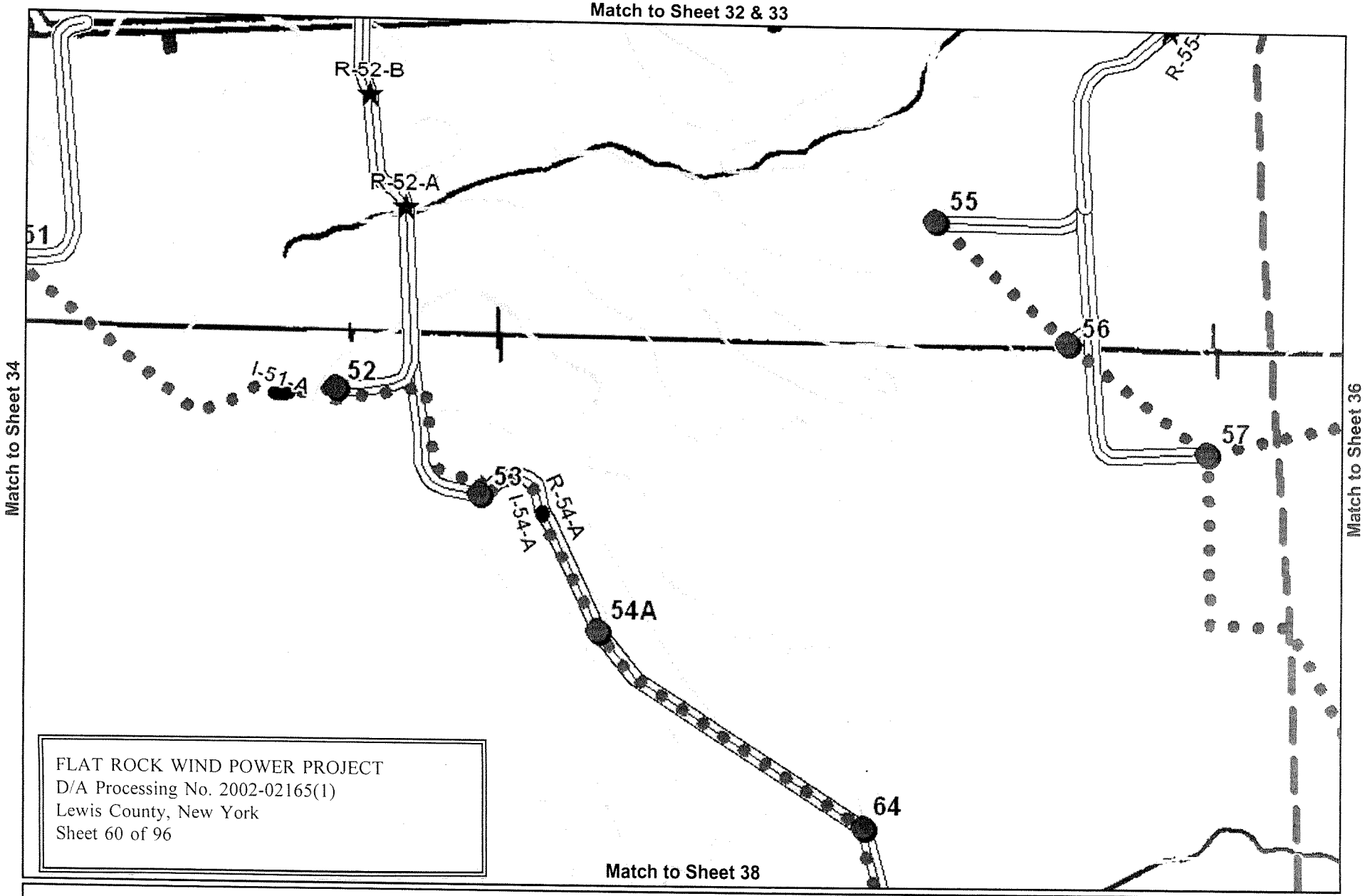
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 34
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

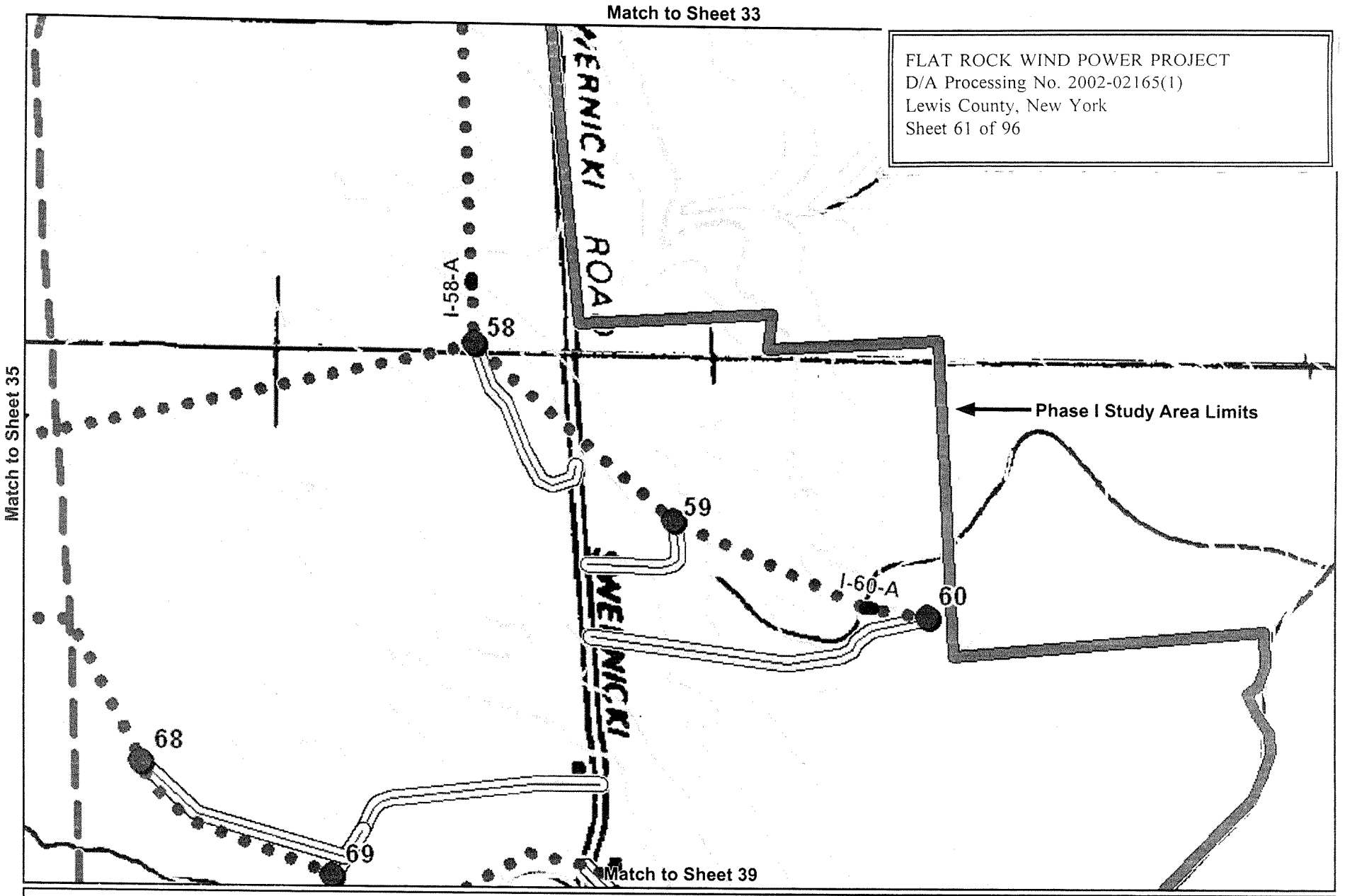
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 35
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By:

EDR

Prepared For:

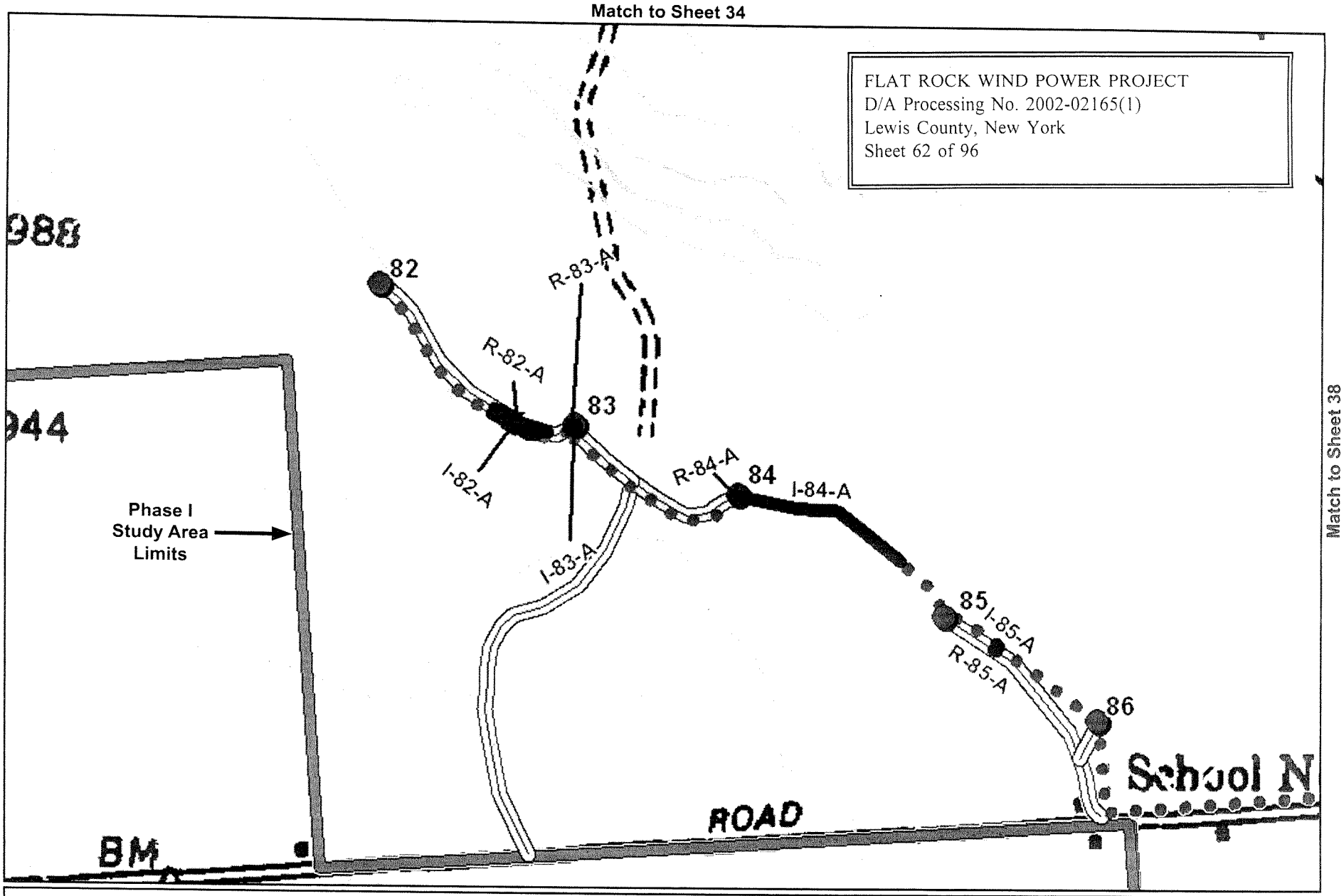
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 36
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By: EDR

Prepared For:

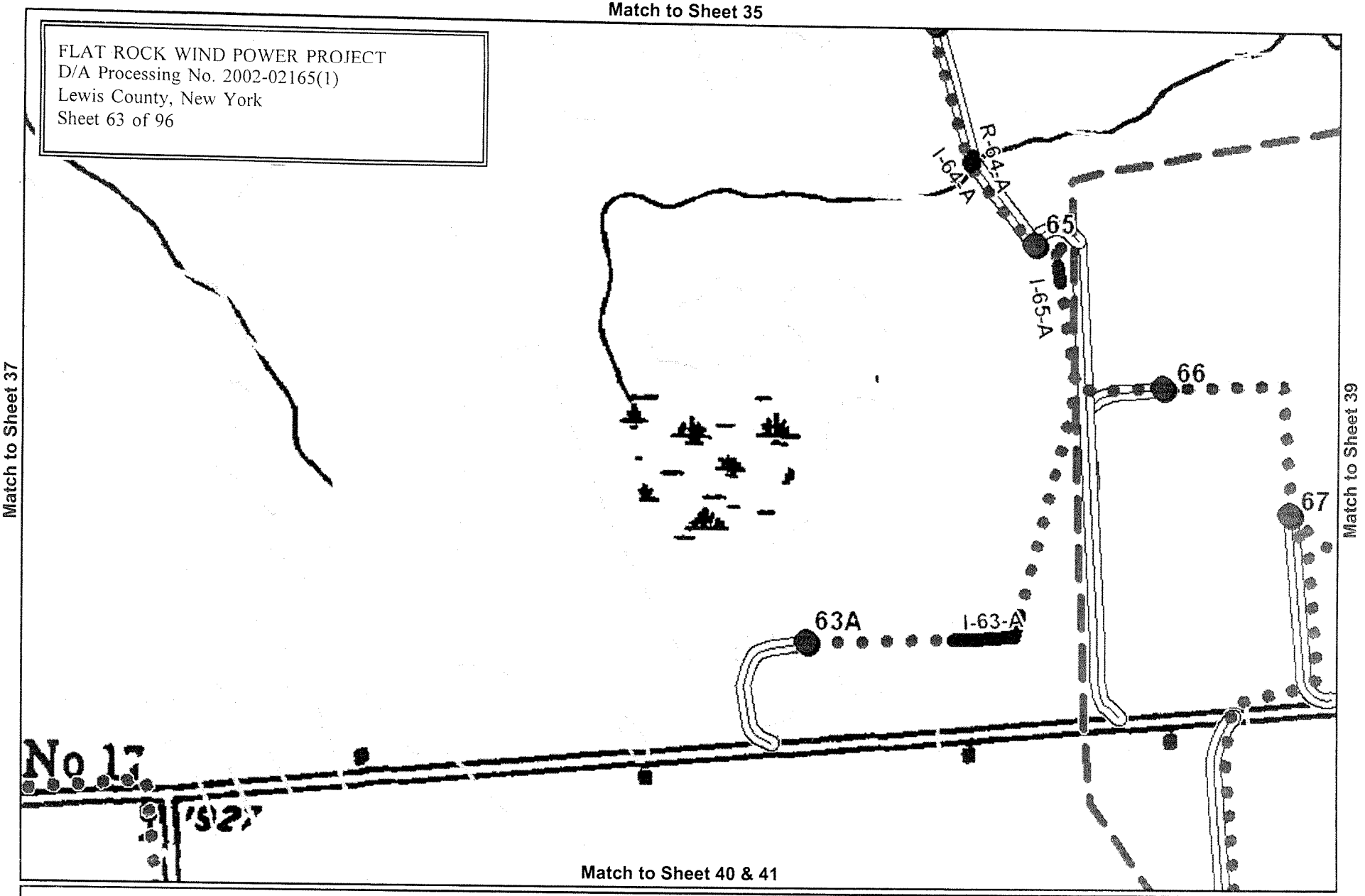
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 37
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 38
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

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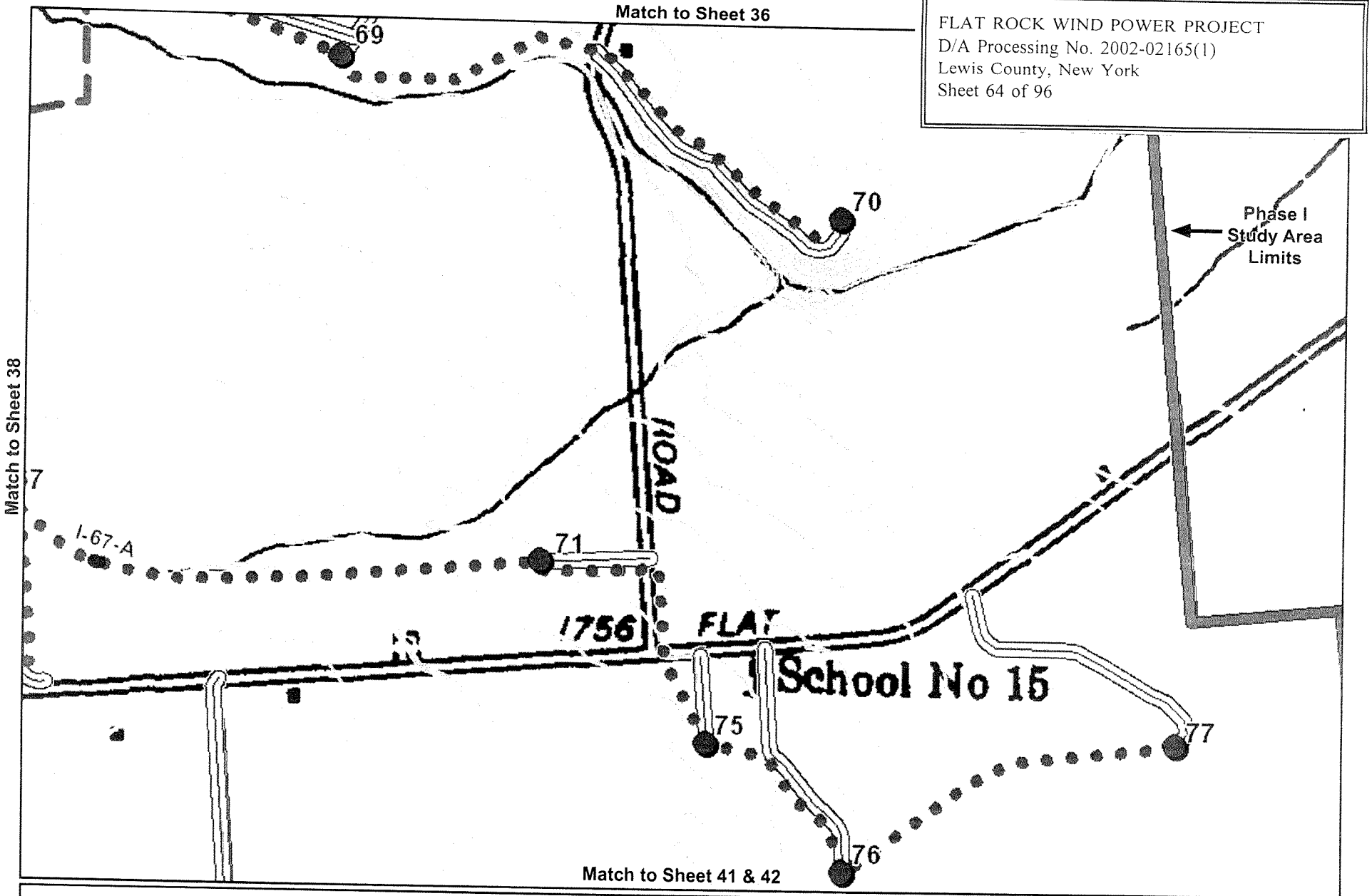

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 39
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 38

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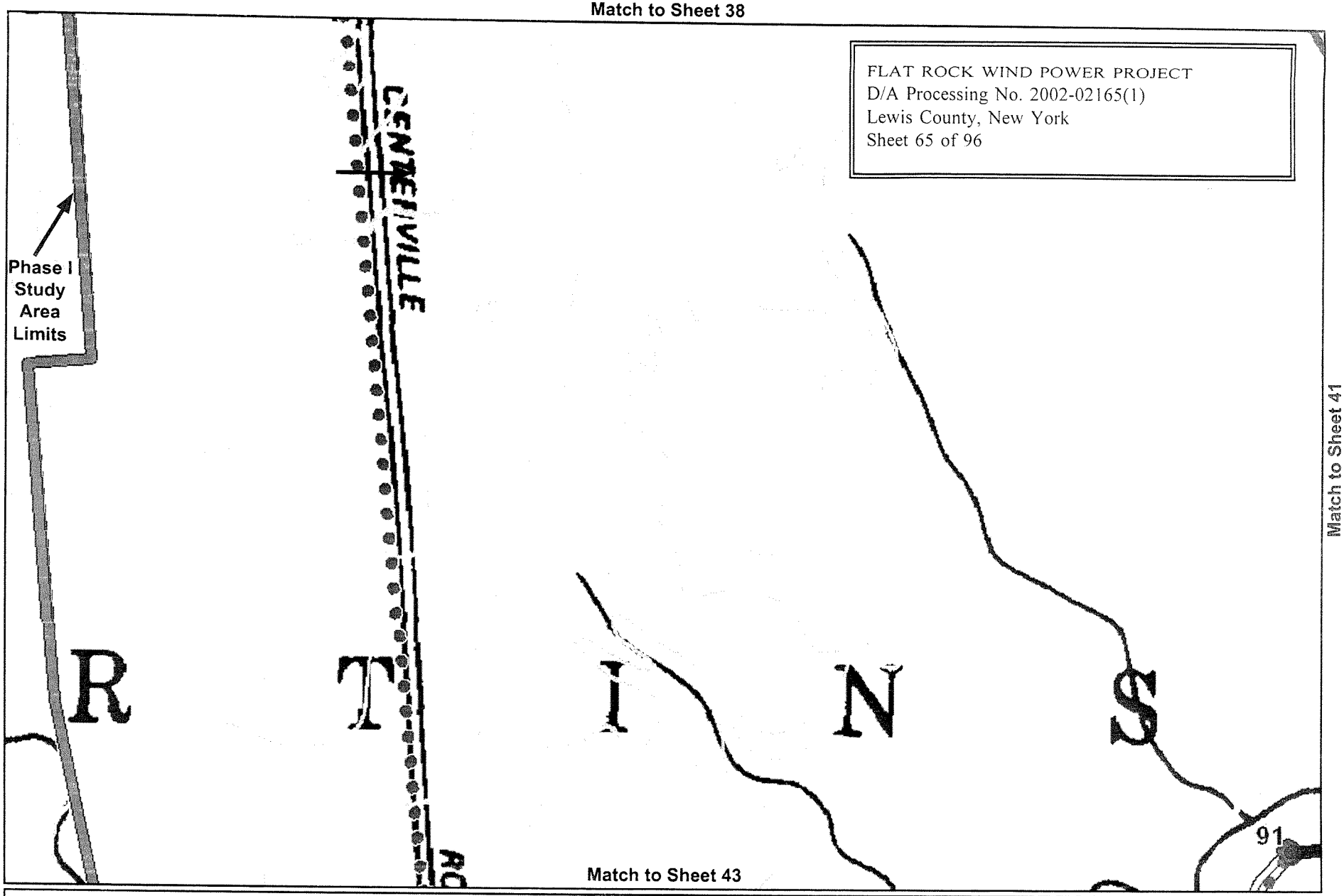

Match to Sheet 41

Match to Sheet 43

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 40
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 38 & 39

Match to Sheet 40

Match to Sheet 42

Match to Sheet 44

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72
73
74
78A
76
93
94
92
1
I-91-C
I-91-B
I-91-A
I-92-A
I-92-B
R-92B-A
R-93-A
I-93-A

Prepared By: EDR

Prepared For:

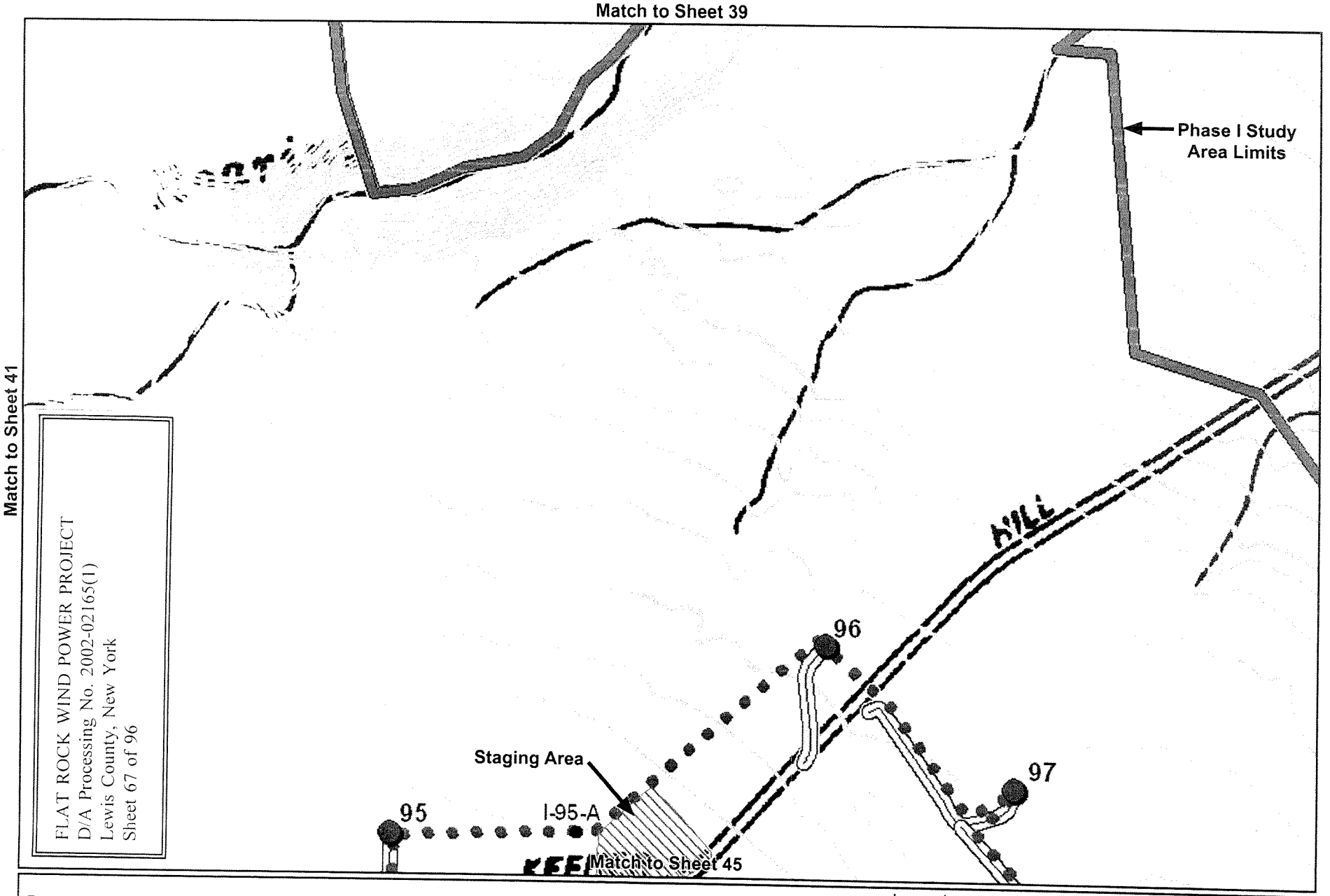
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 41
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By:

EDR

Prepared For:

NORTH

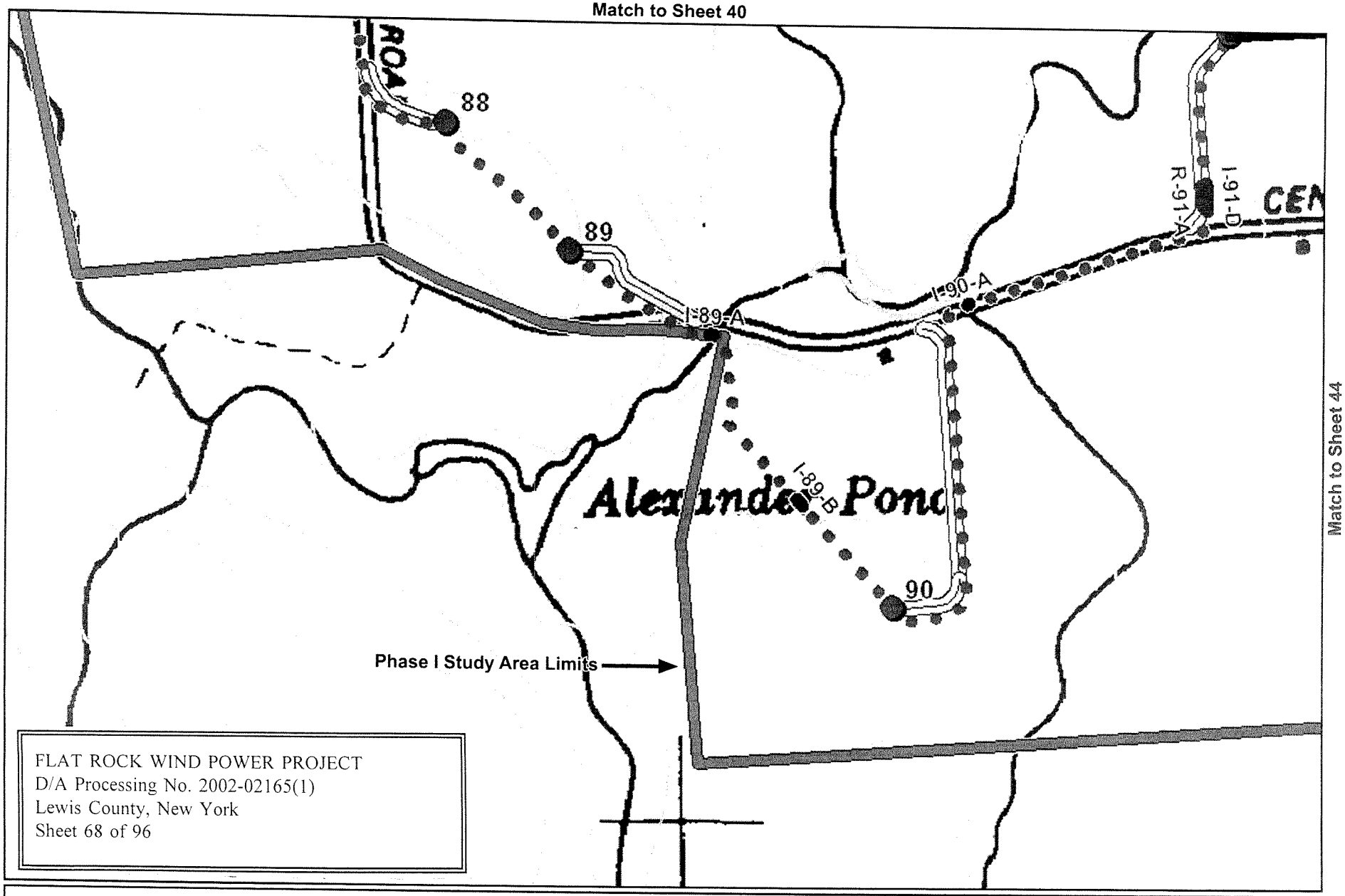
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 42
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

- R-82-A — Wetland Disturbance
- R-120-A — Existing Crossing
- 21 — Turbine
- Overhead Electrical Line
- Buried Interconnect
- Access Road

Match to Sheet 40



Match to Sheet 44

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D/A Processing No. 2002-02165(1)
Lewis County, New York
Sheet 68 of 96

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 43
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

FLAT ROCK WIND POWER PROJECT
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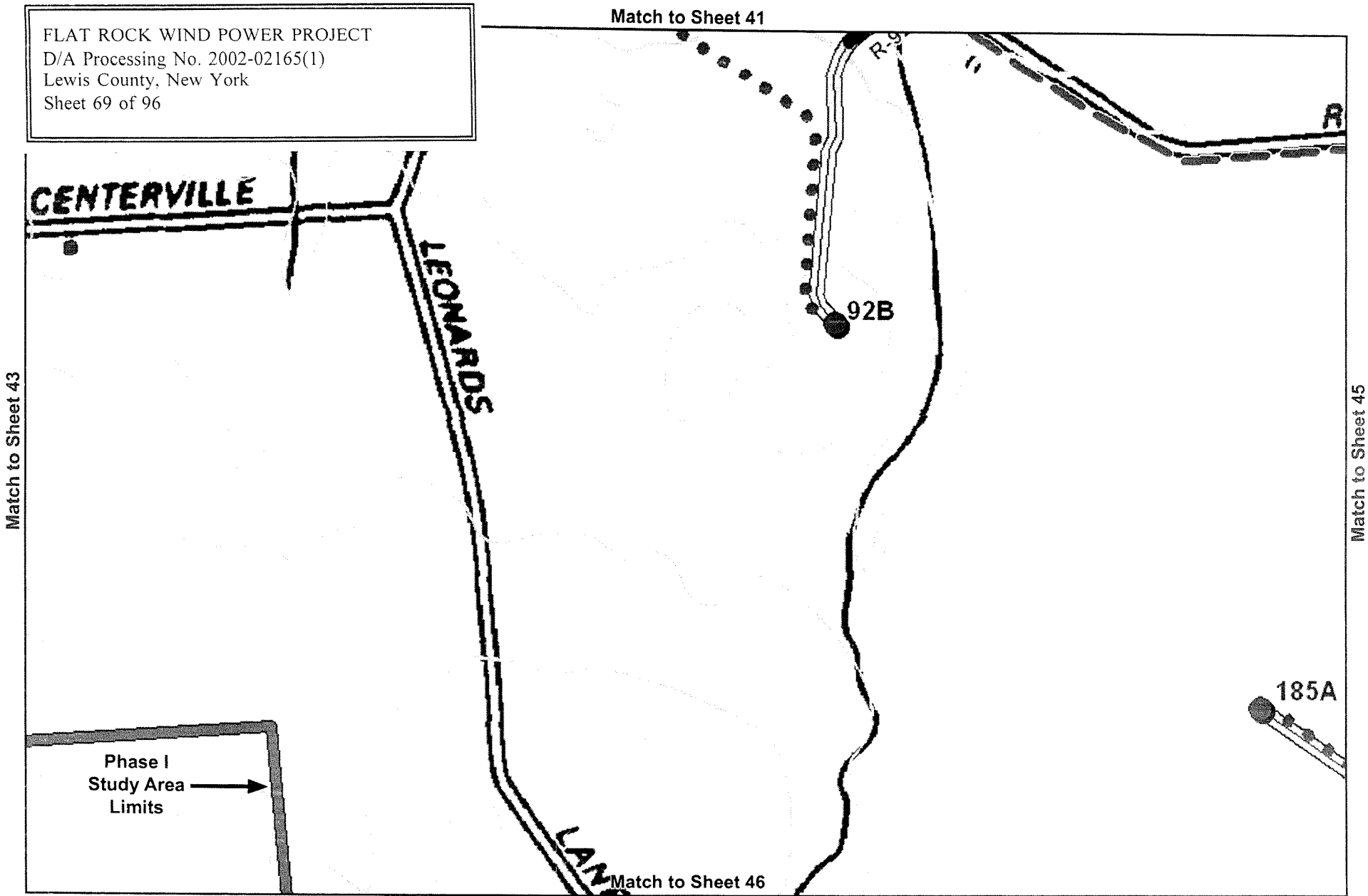


Prepared By:

EDR PC

Prepared For:

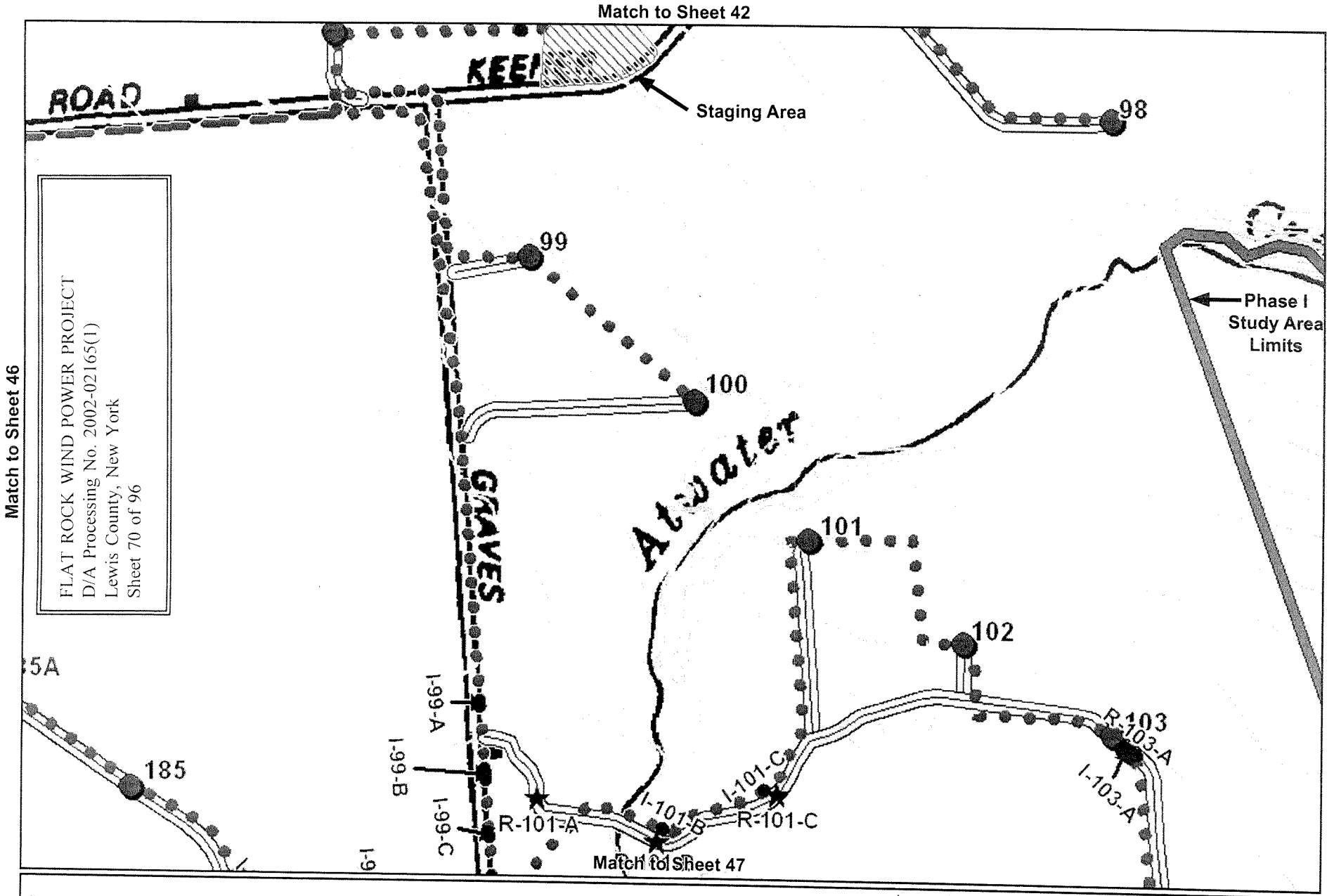
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts Sheet 44
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

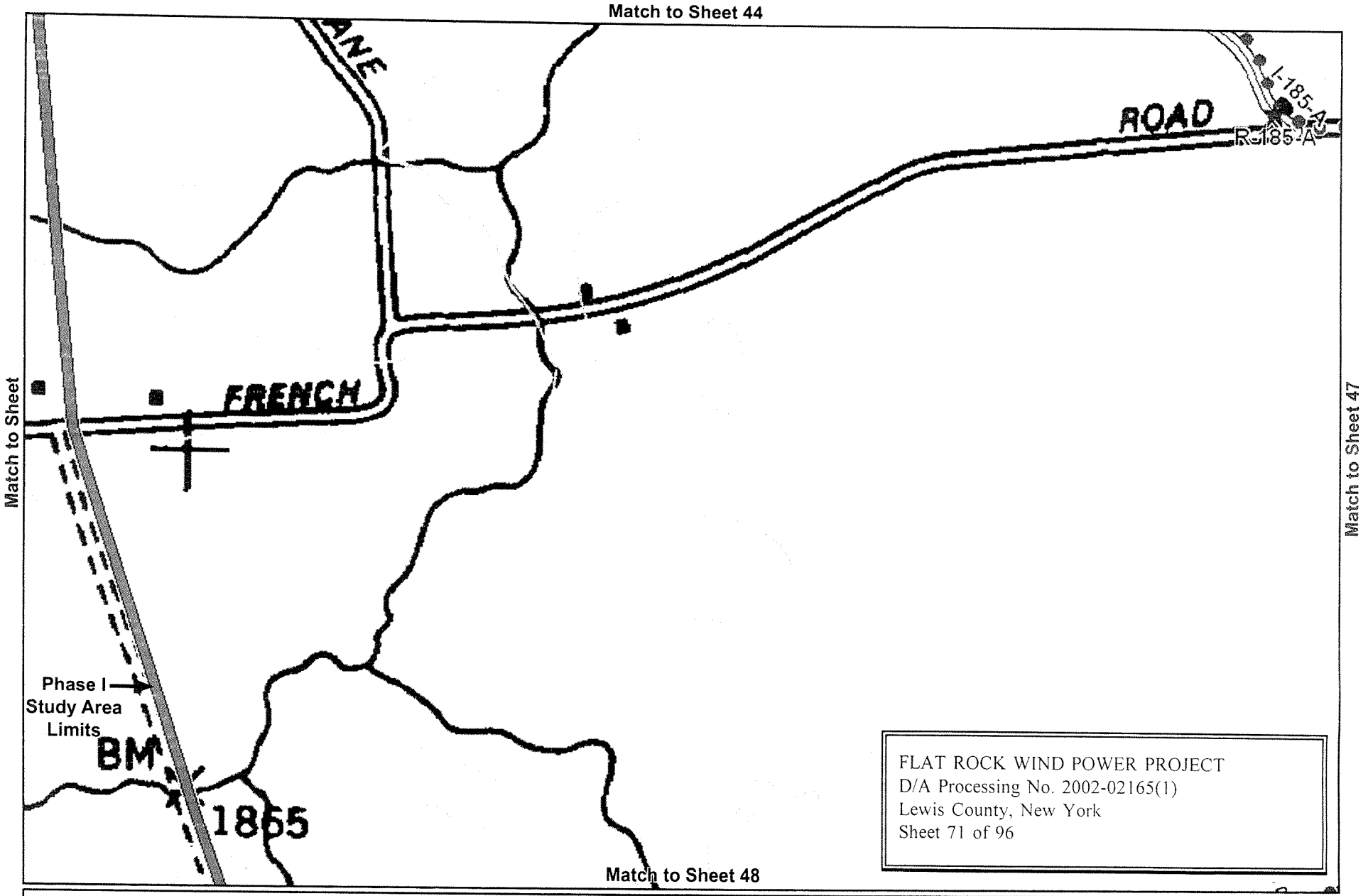
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 45
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By:

EDR

Prepared For:

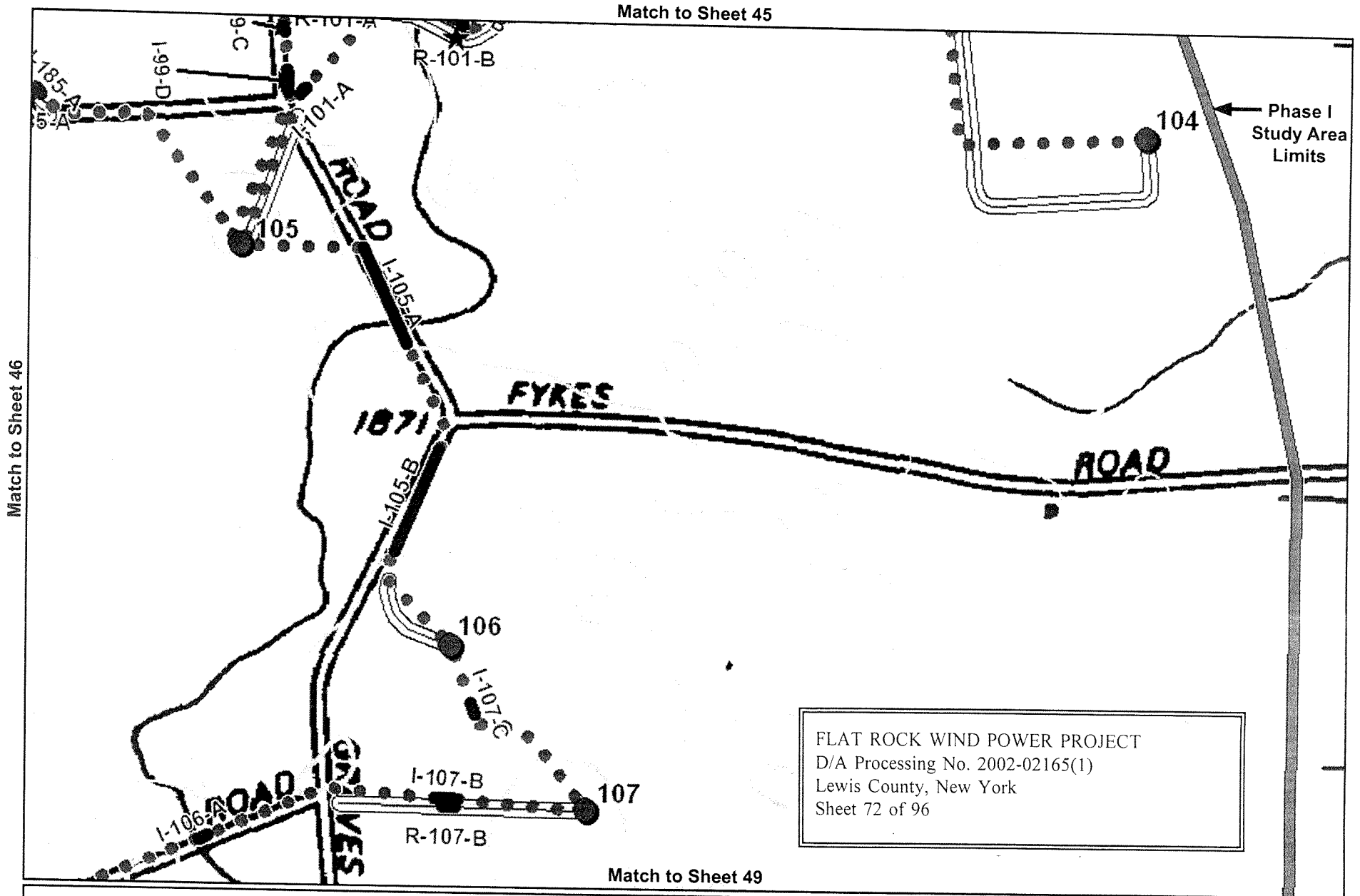
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 46
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road



Prepared By:

EDR

Prepared For:

NORTH

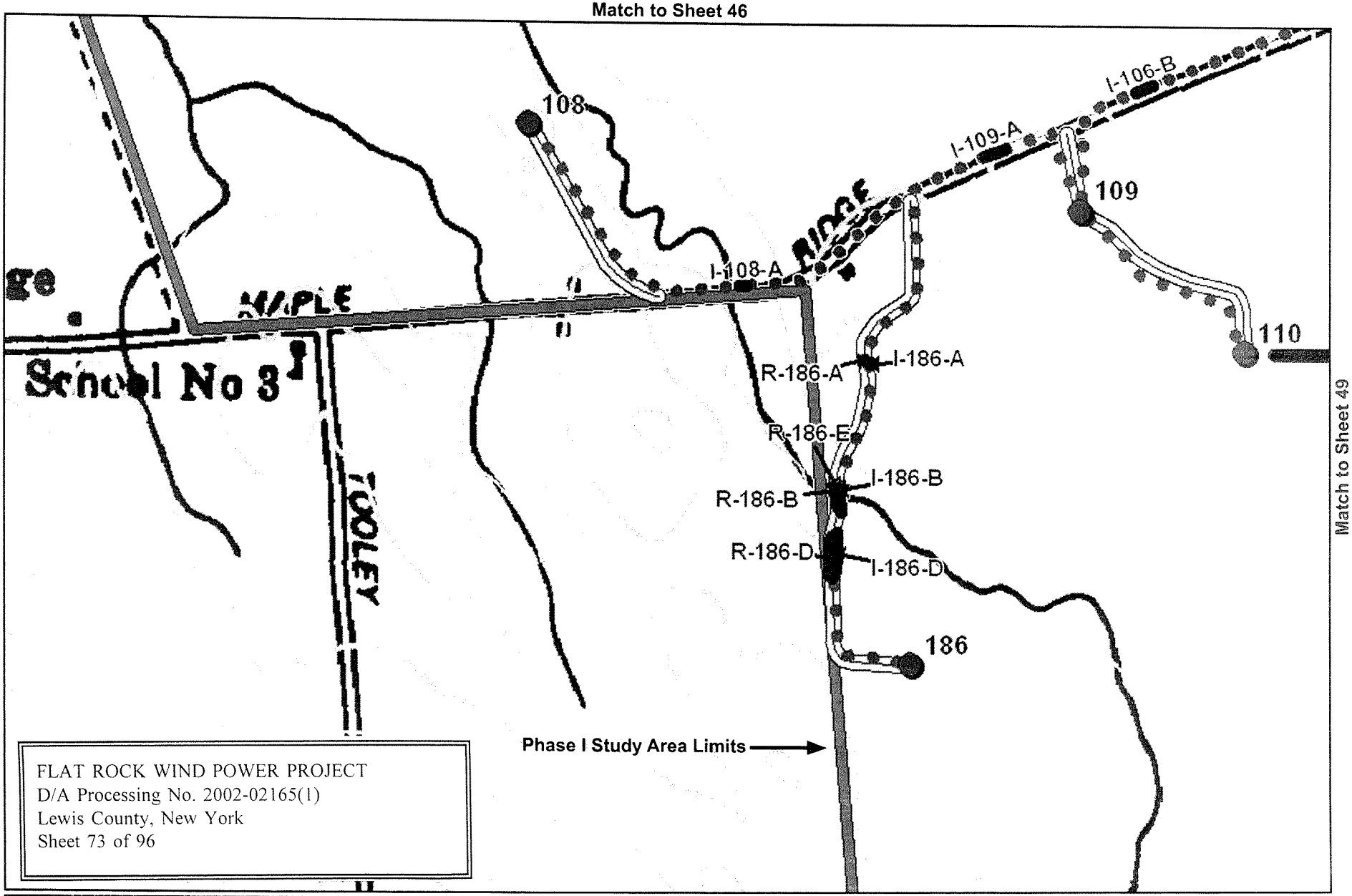
Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 47
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 46



Match to Sheet 49

Prepared By: EDR

Prepared For:

NORTH

Scale: 1 inch=600 feet
January 22, 2004

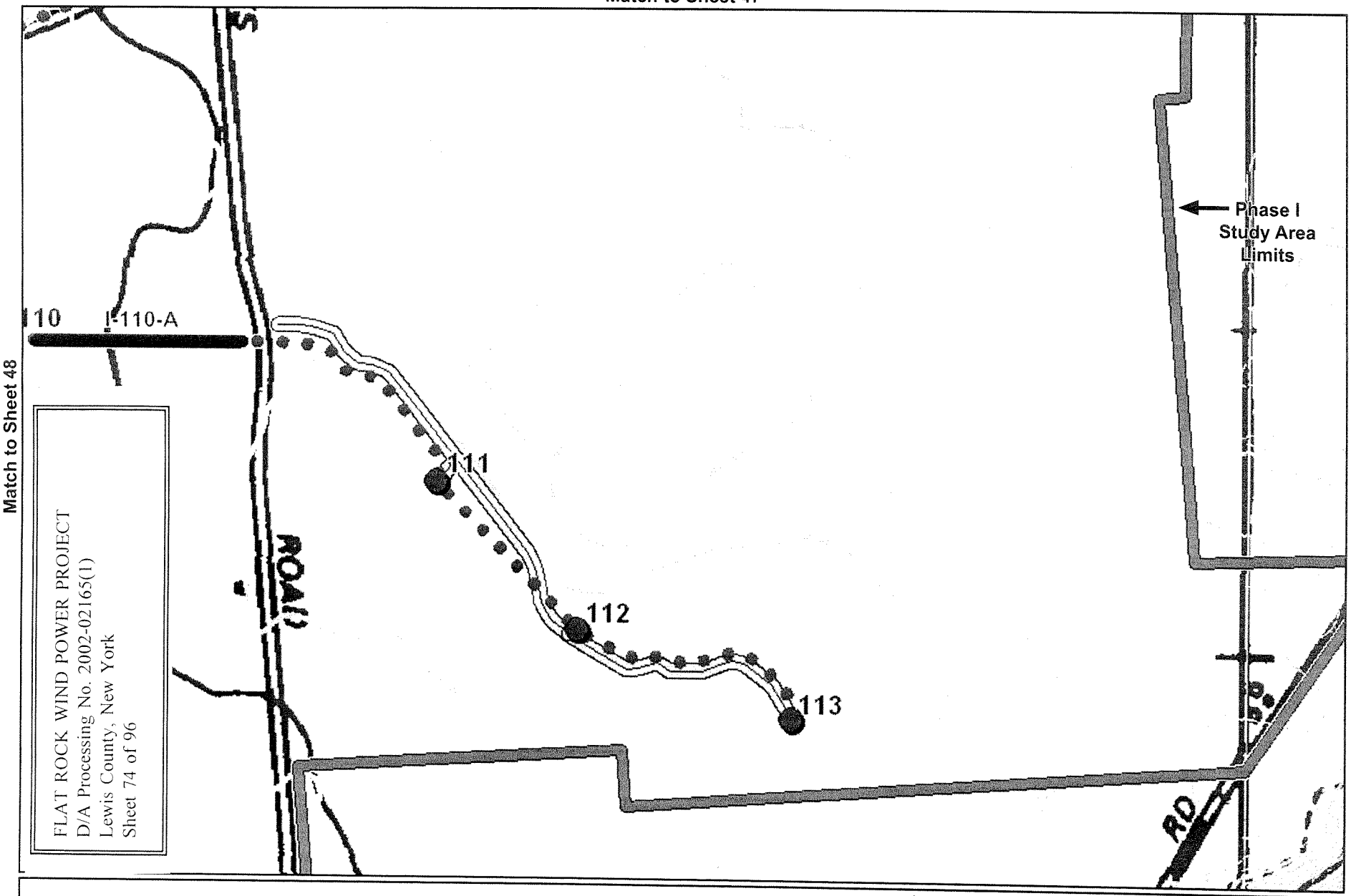
Figure 4 (Revised). Wetland Impacts Sheet 48
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance		Overhead Electrical Line
R-120-A	Existing Crossing		Buried Interconnect
21	Turbine		Access Road

Match to Sheet 47

Match to Sheet 48



Prepared By:

EDR PC

Prepared For:

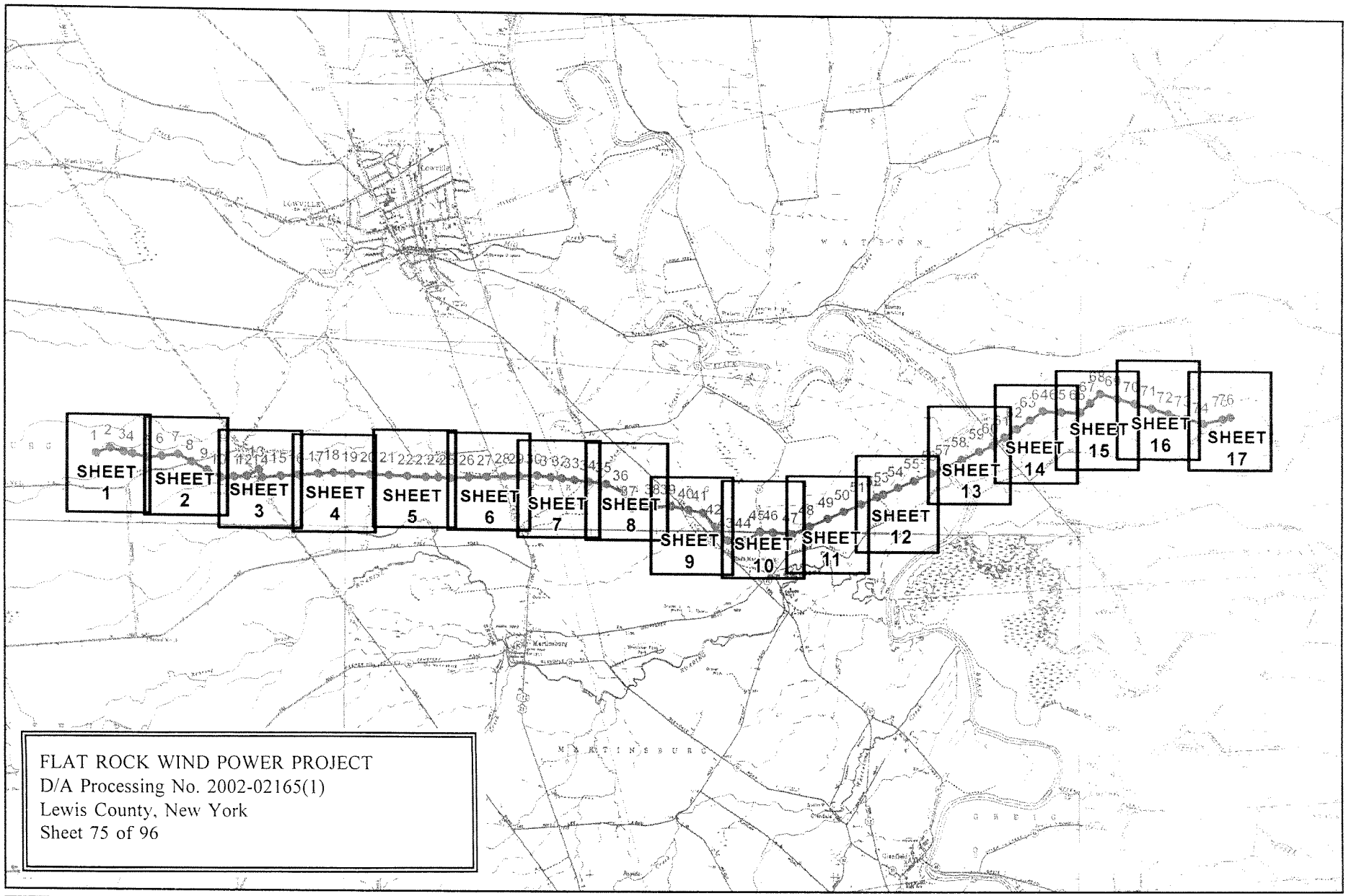
NORTH

Scale: 1 inch=600 feet
January 22, 2004

Figure 4 (Revised). Wetland Impacts
Sheet 49
Flat Rock Wind Power Generating Site
Base Maps: NYSDOT New Boston, West Lowville, Lowville, Sears Pond, Page, and Glenfield Quads

Legend:

R-82-A	Wetland Disturbance
R-120-A	Existing Crossing
21	Turbine
	Overhead Electrical Line
	Buried Interconnect
	Access Road



Prepared By:

EDR

Prepared For:

NORTH

Scale: 1 inch=6,000 feet
January 22, 2004

Figure 8 (Revised). Wetland Impacts Index Sheet
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

Legend:

Tower

Transmission Line

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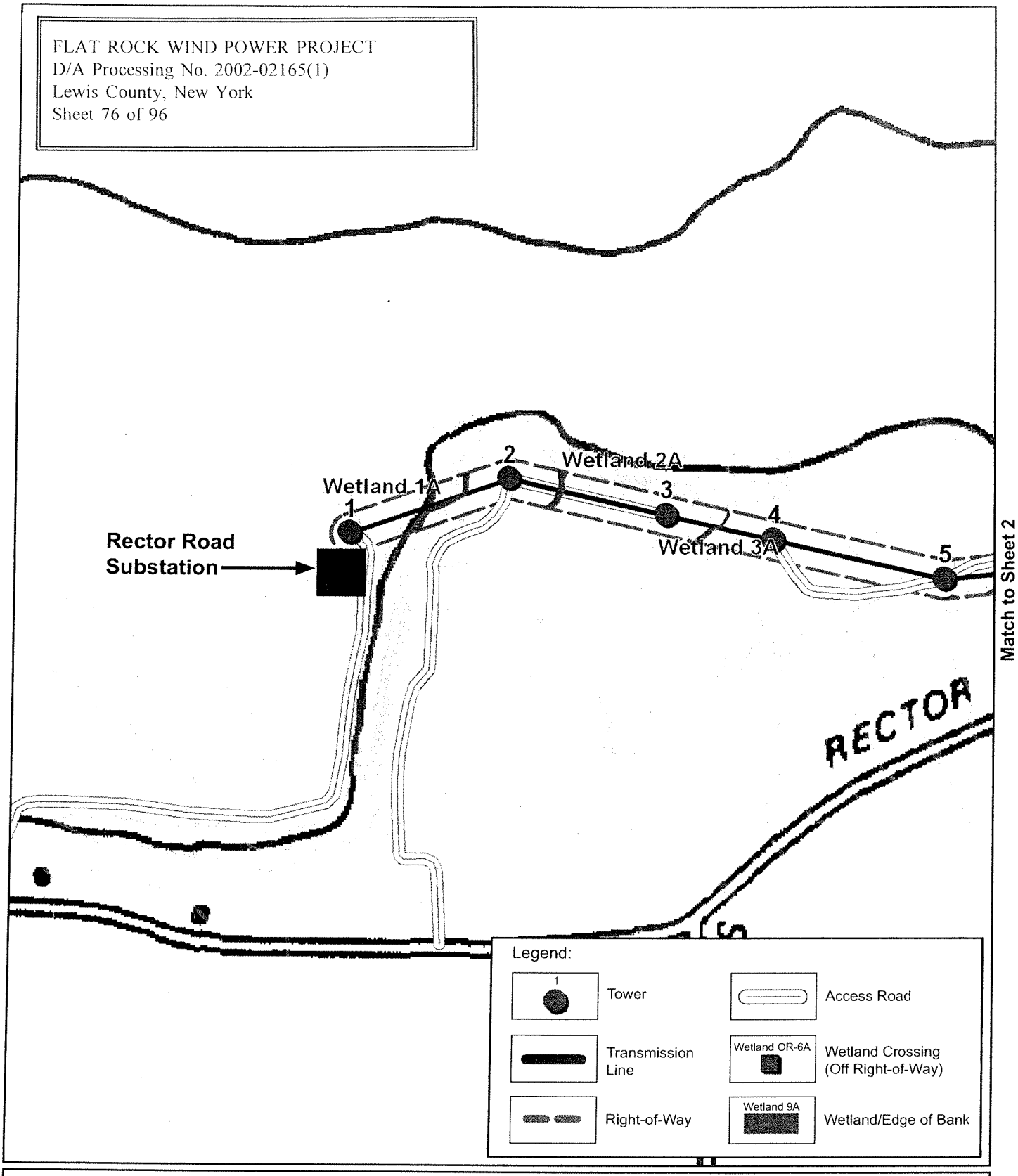


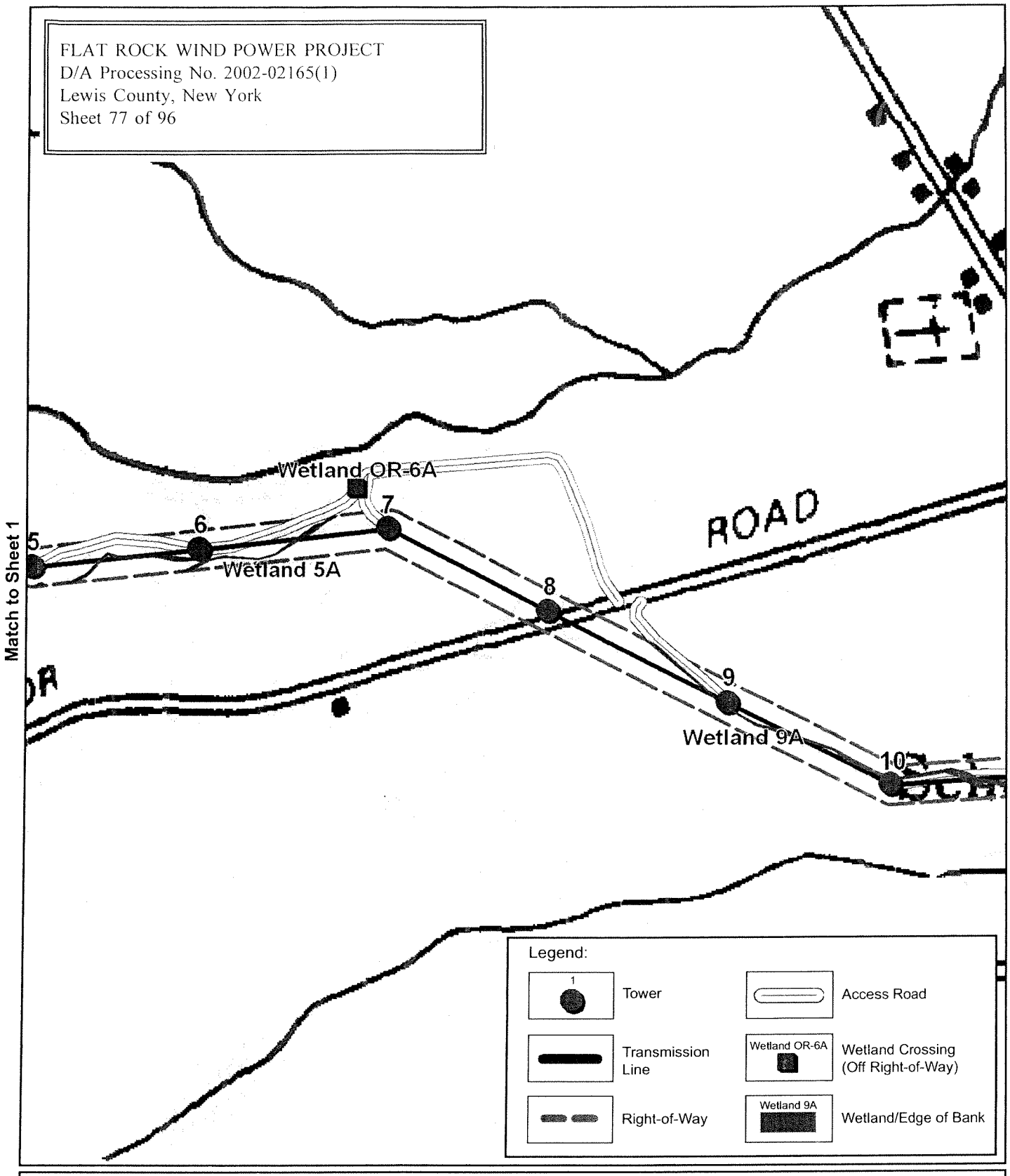
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 1
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



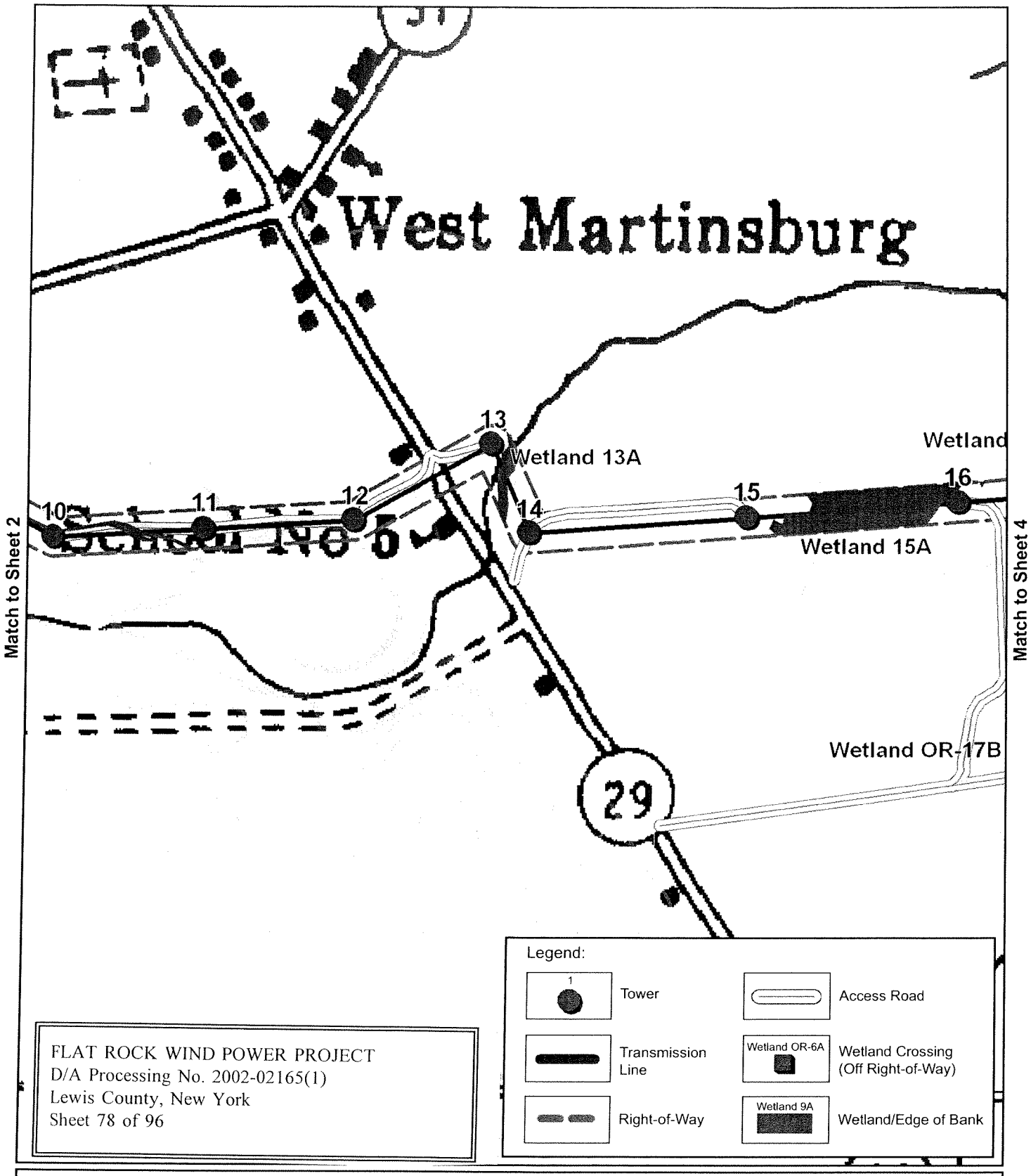
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 2
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



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D/A Processing No. 2002-02165(1)
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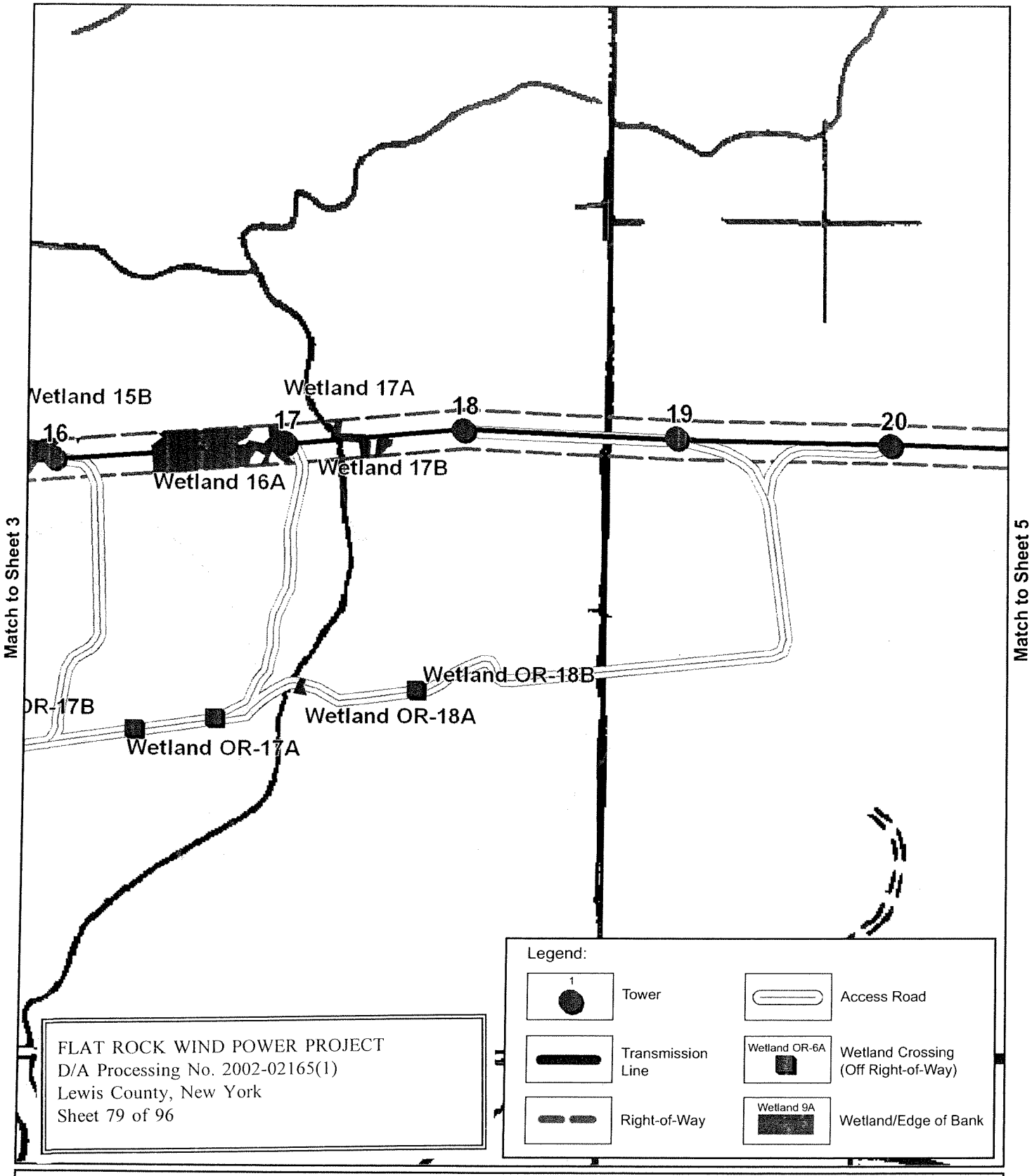
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 3
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



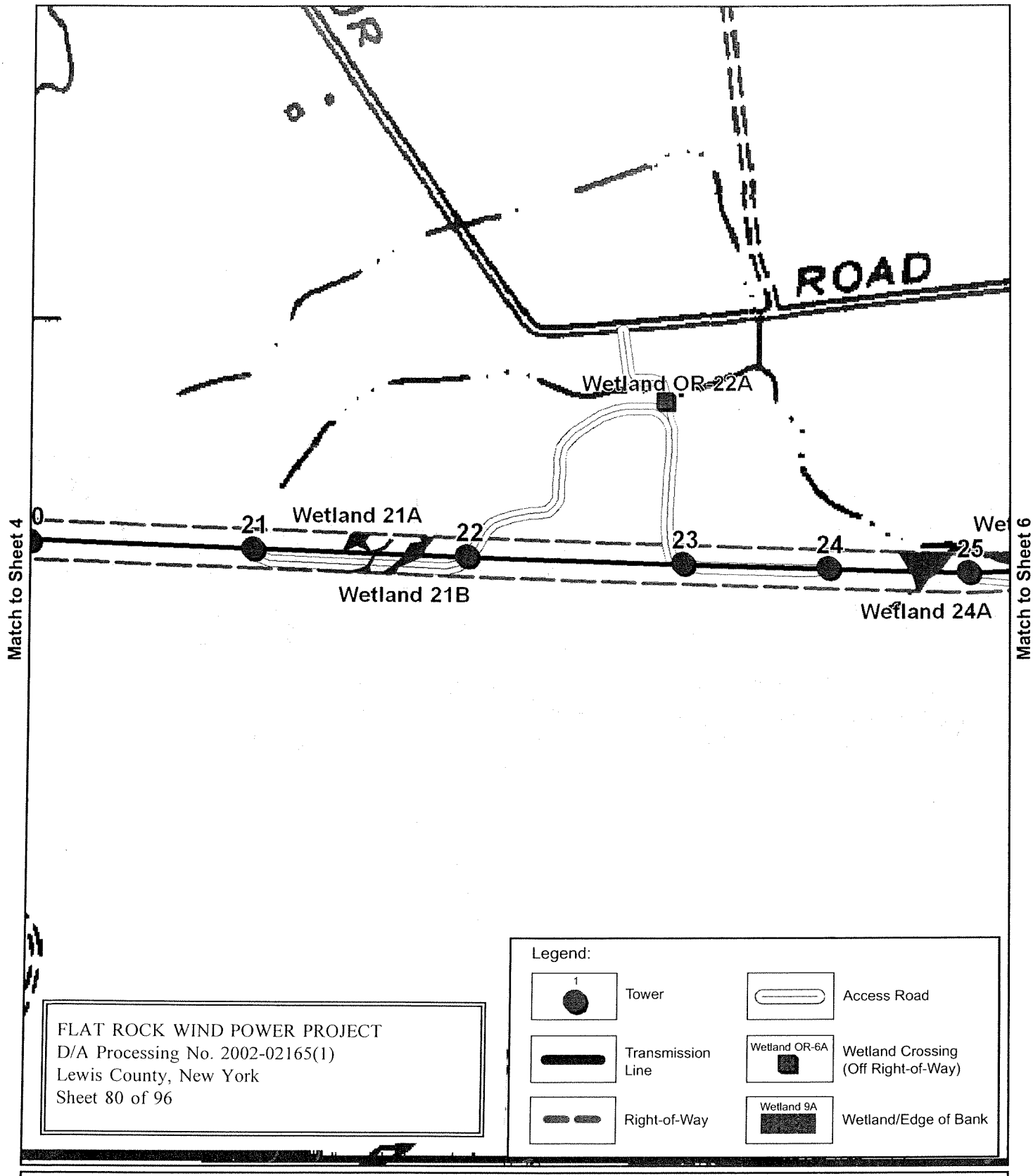
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 4
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



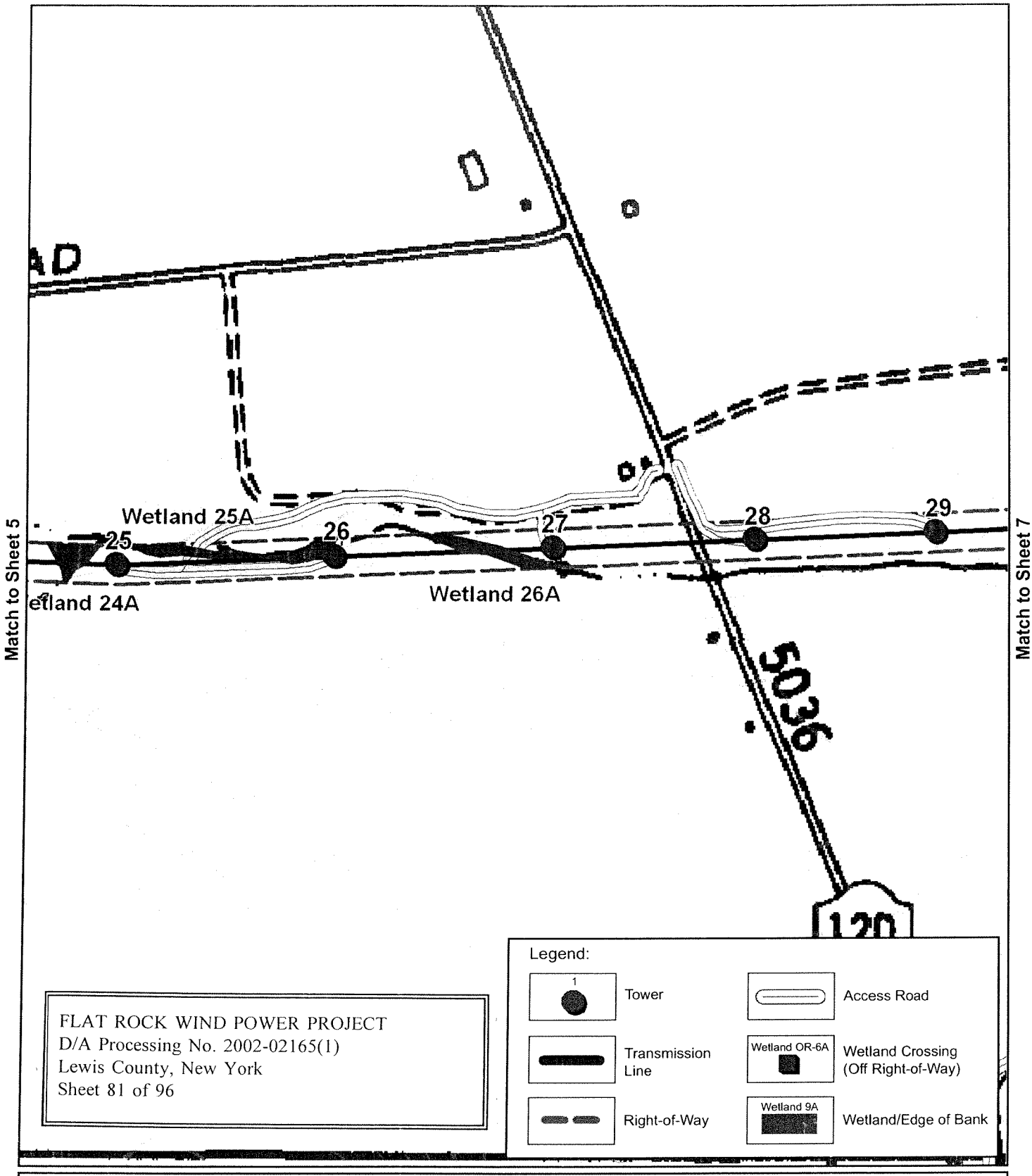
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 5
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



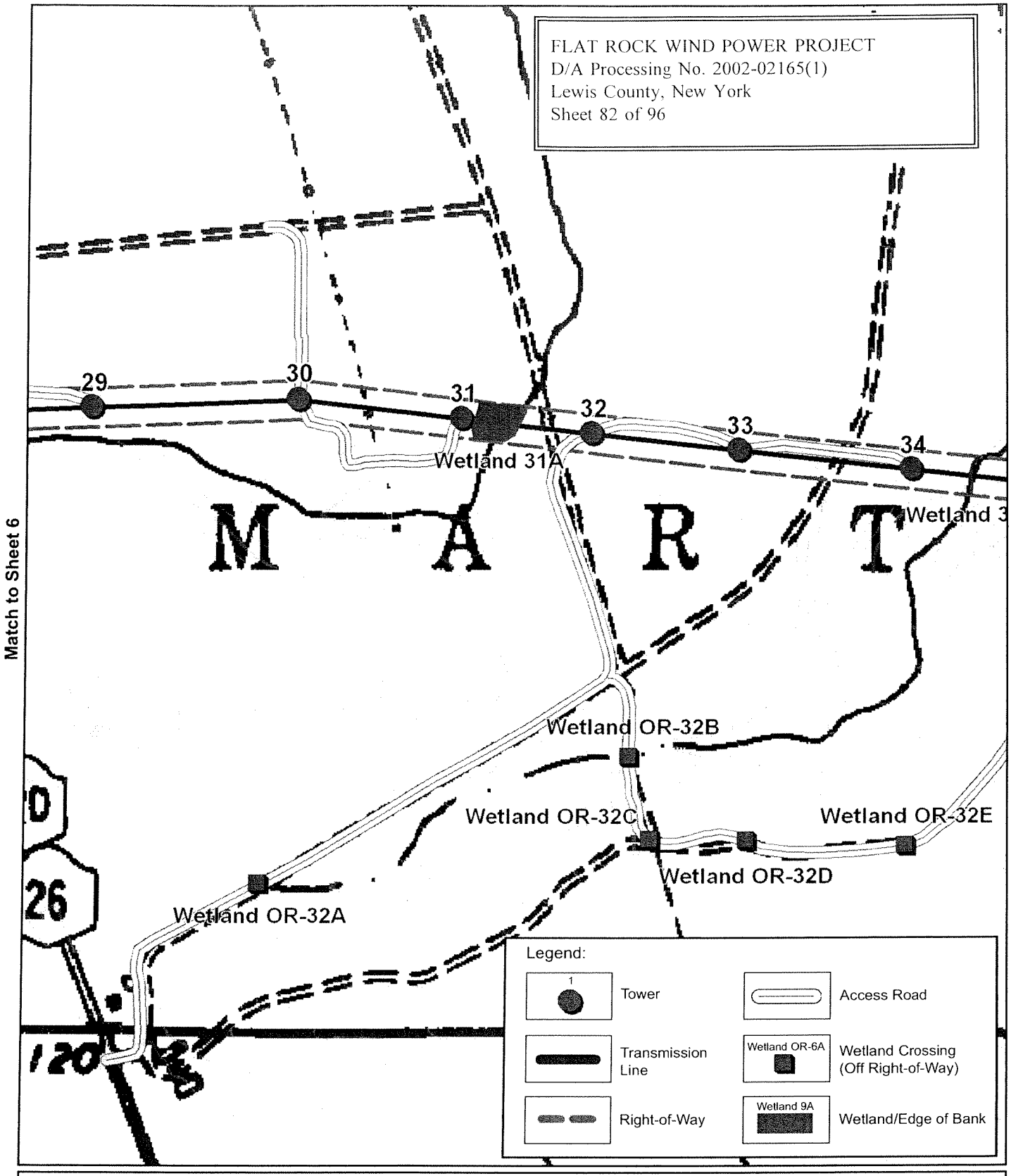
Prepared By: EDR

Prepared For: Flat Rock Wind Power

Figure 8 (Revised). Wetland Impacts
Sheet 6
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



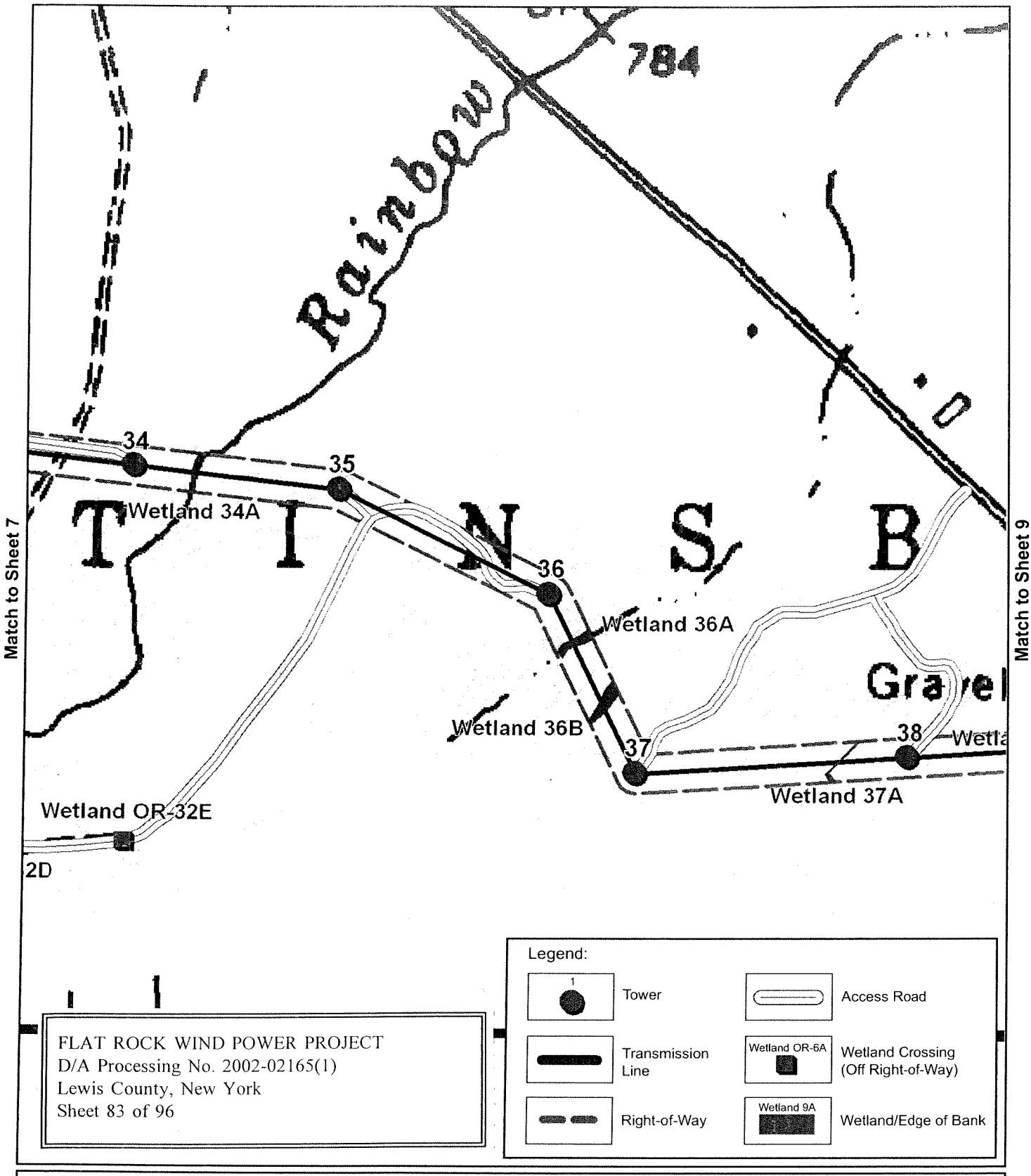
Prepared By: EDR PC

Prepared For: Flat Rock Wind Power

Figure 8 (Revised). Wetland Impacts
Sheet 7
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



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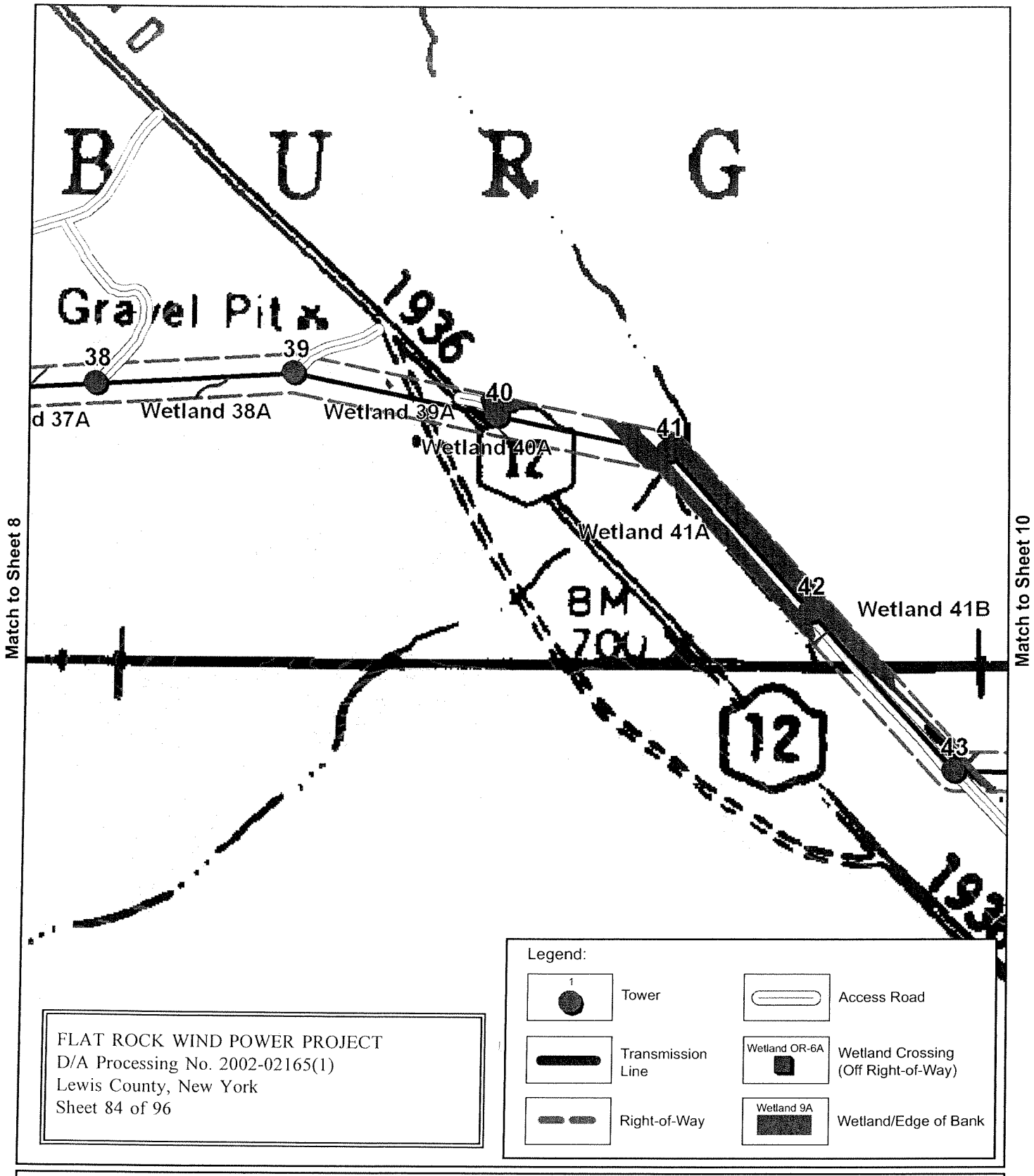
Prepared By: EDR

Prepared For: Flat Rock Wind Power

Figure 8 (Revised). Wetland Impacts
Sheet 8
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



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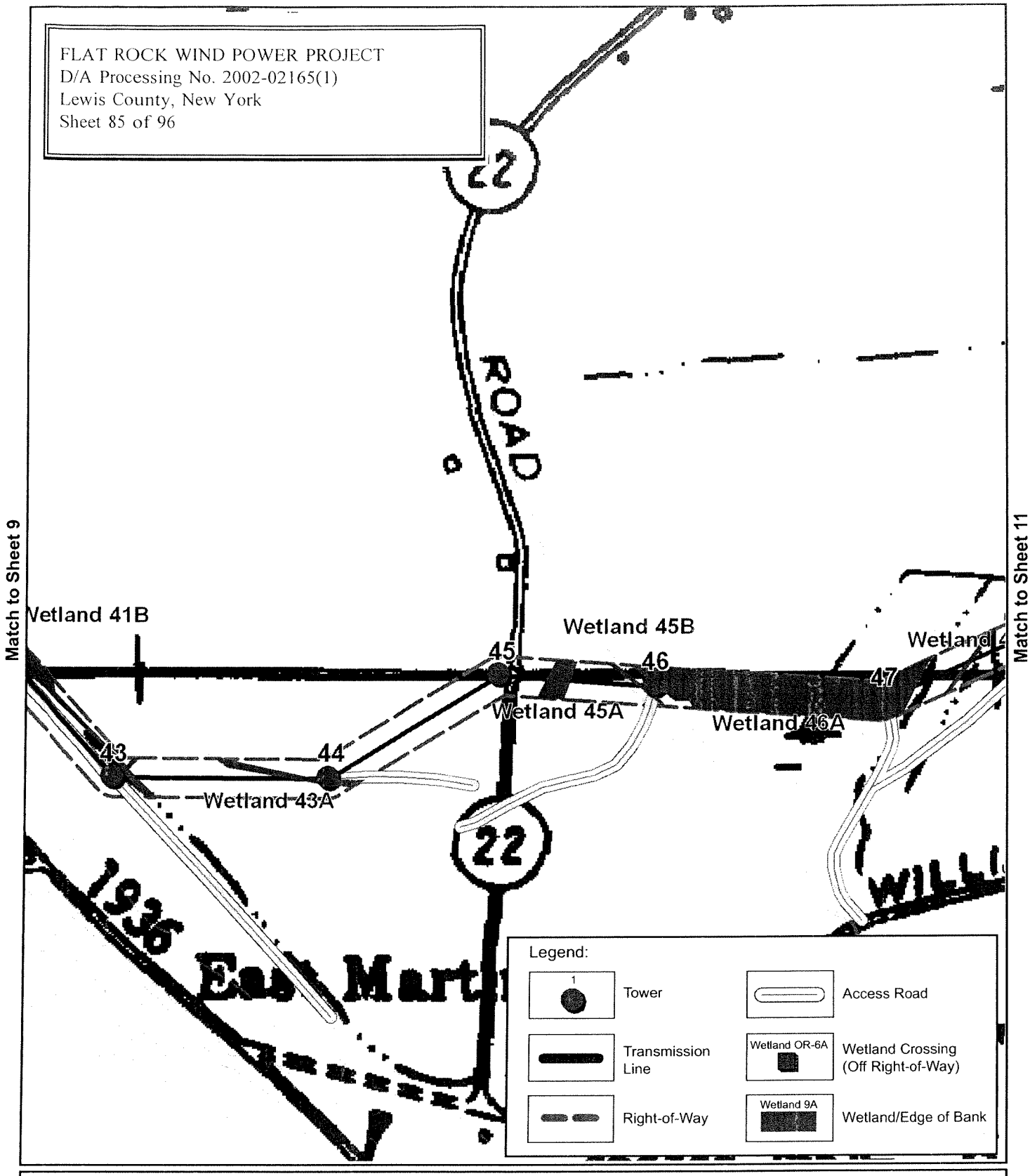
Prepared By: EDR

Prepared For: Flat Rock Wind Power

Figure 8 (Revised). Wetland Impacts
Sheet 9
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



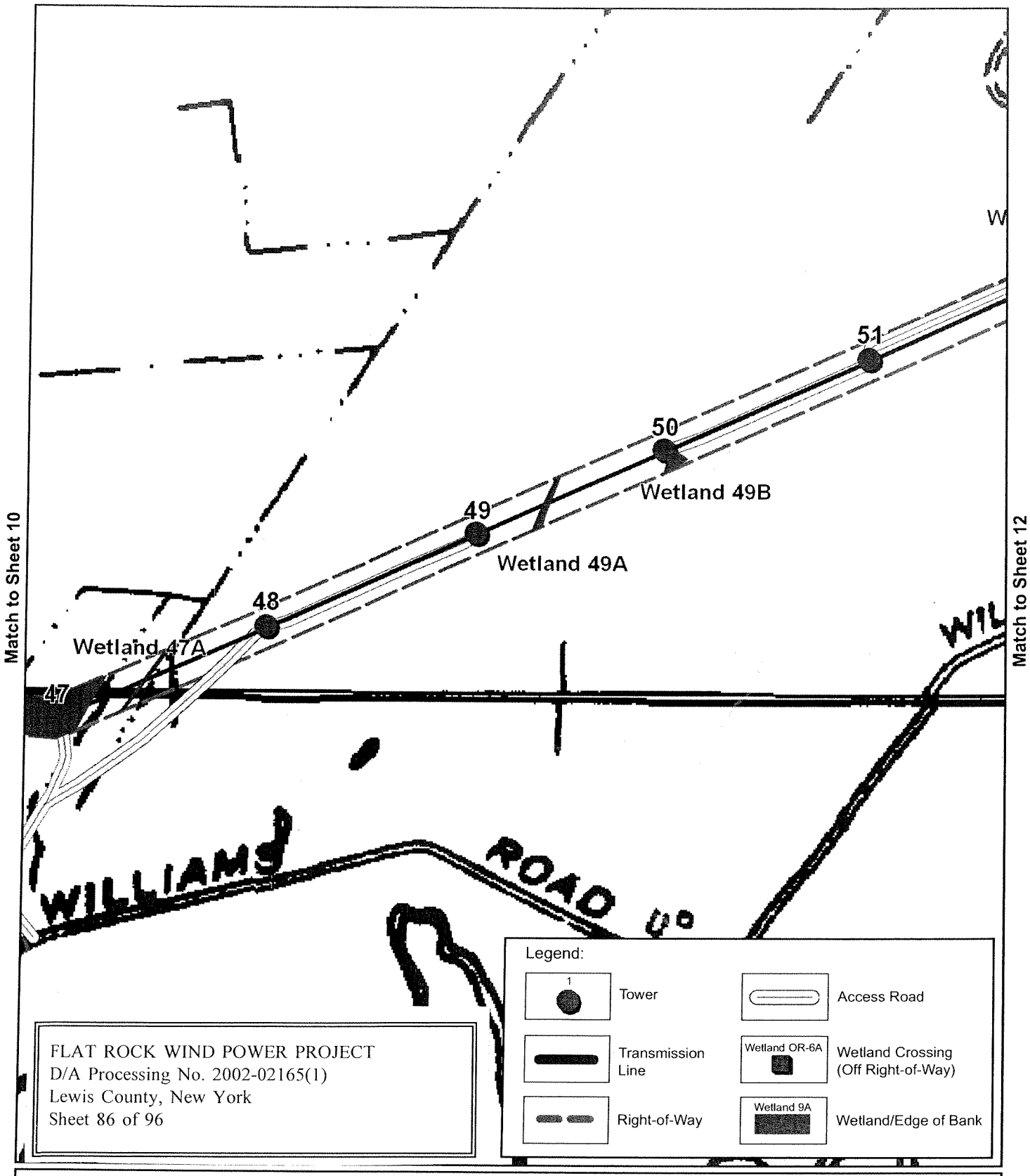
Prepared By: EDR PC

Prepared For: Flat Rock Wind Power

Figure 8 (Revised). Wetland Impacts
Sheet 10
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



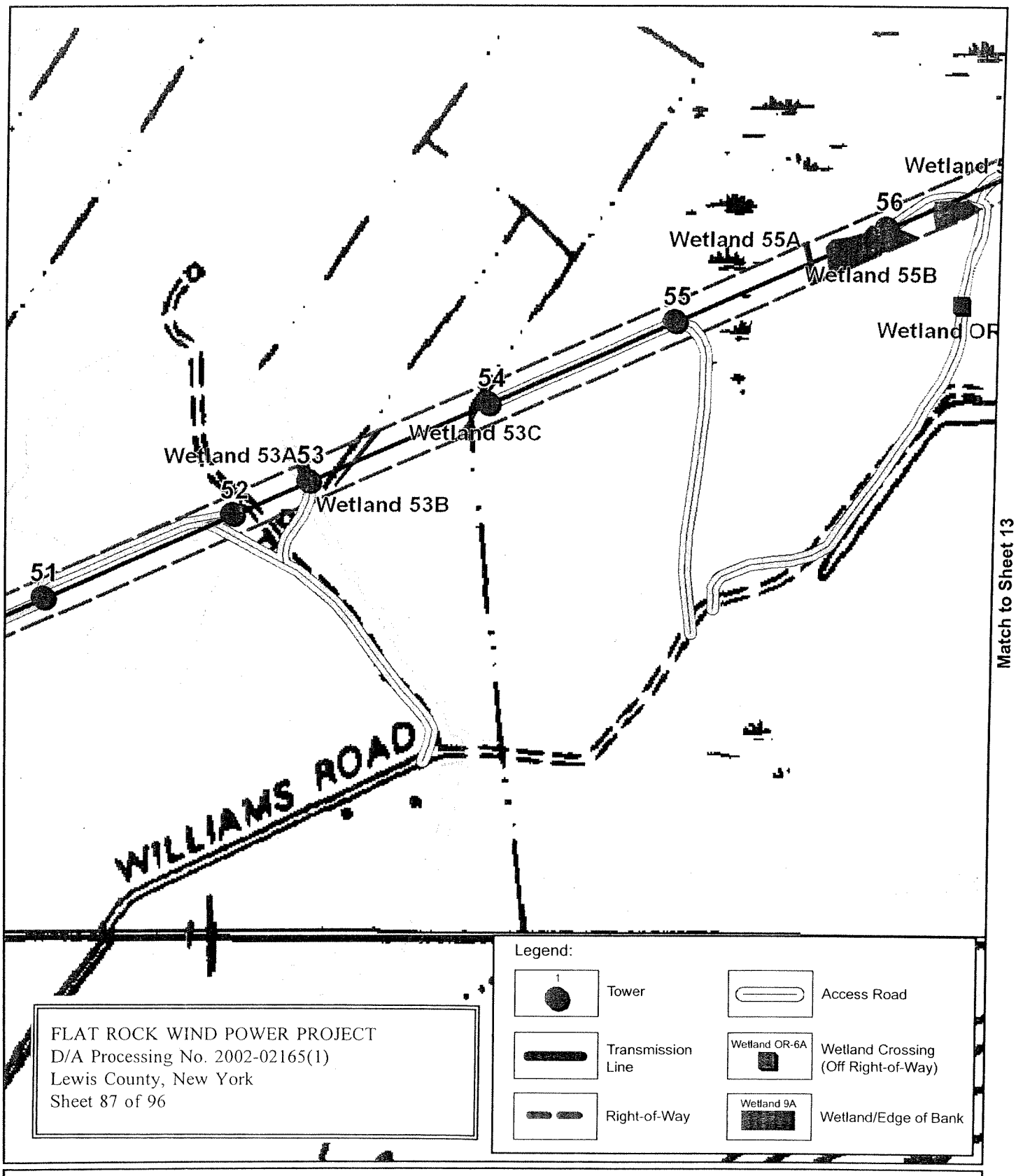
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 11
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



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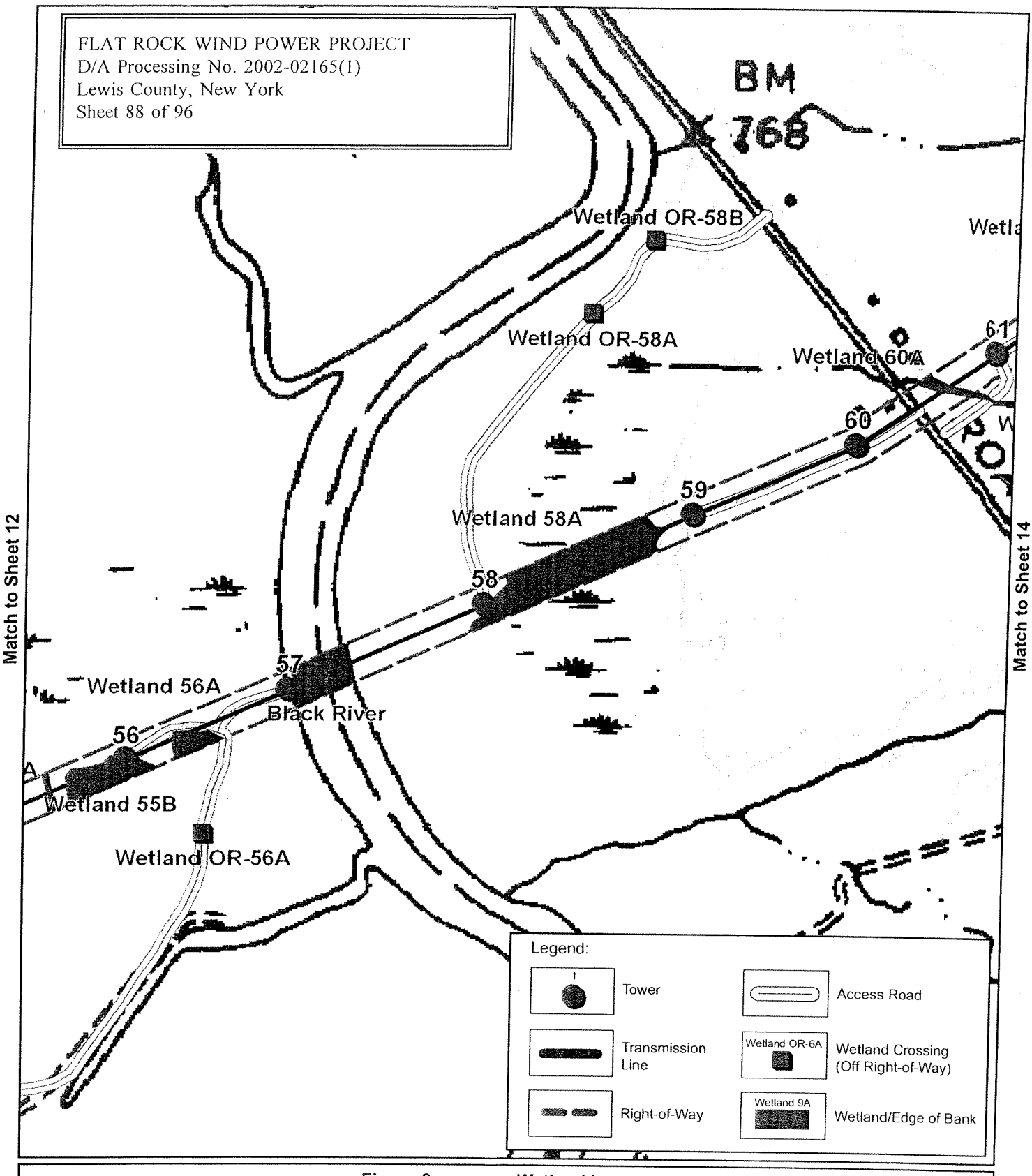
Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 12
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



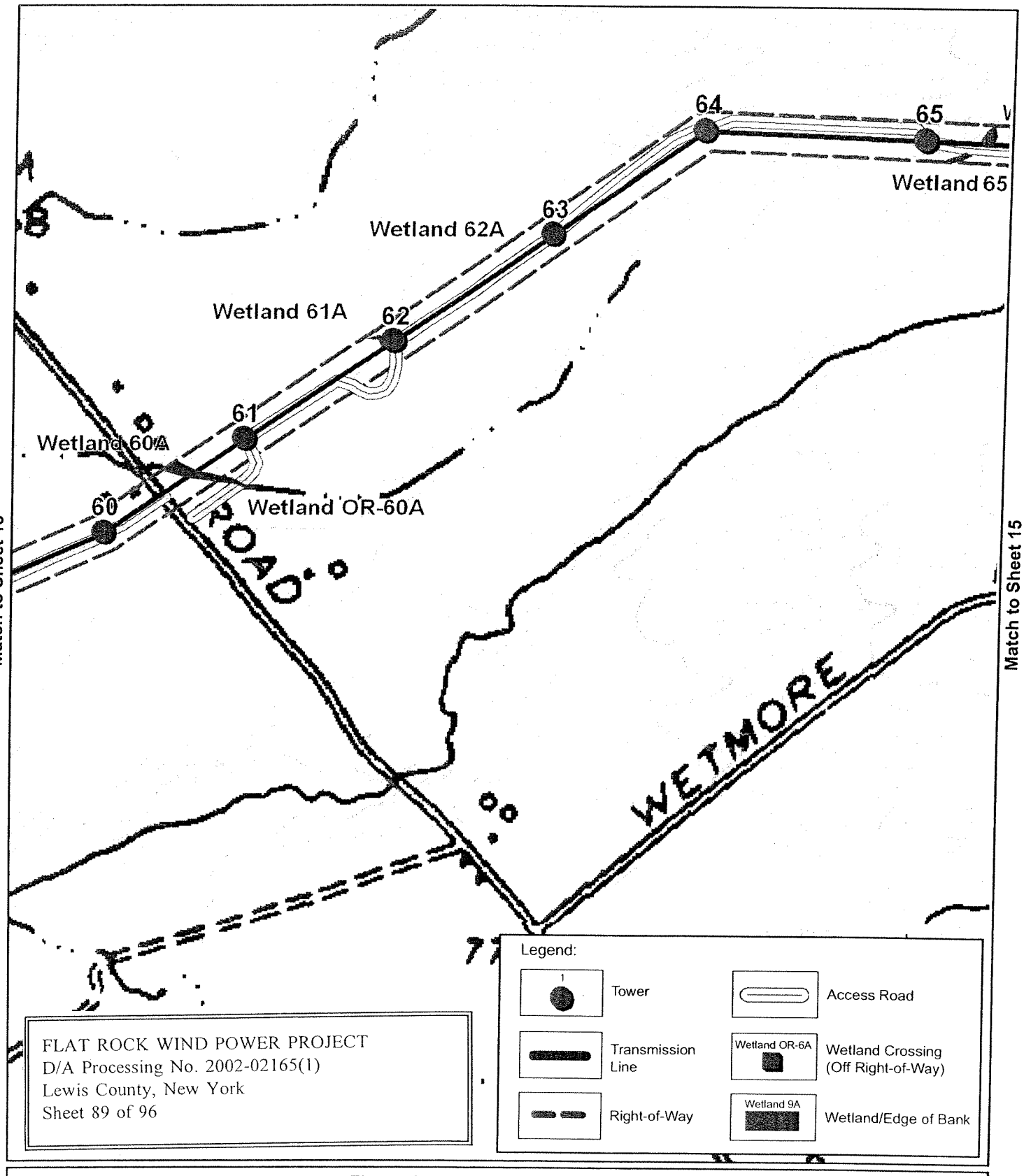
Prepared By: EDR

Prepared For:

Figure 8 (Revised). **Wetland Impacts**
Sheet 13
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



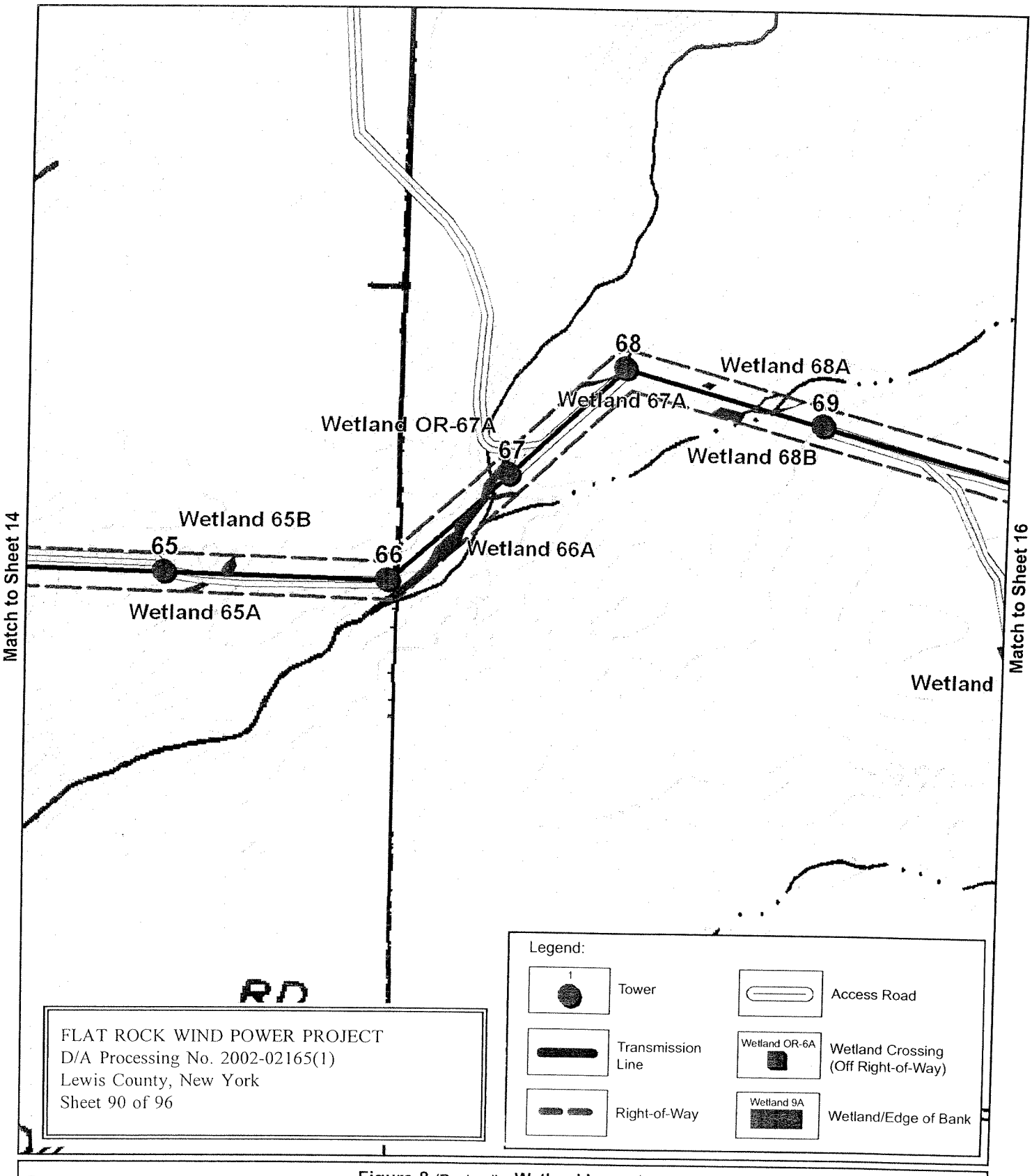
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 14
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



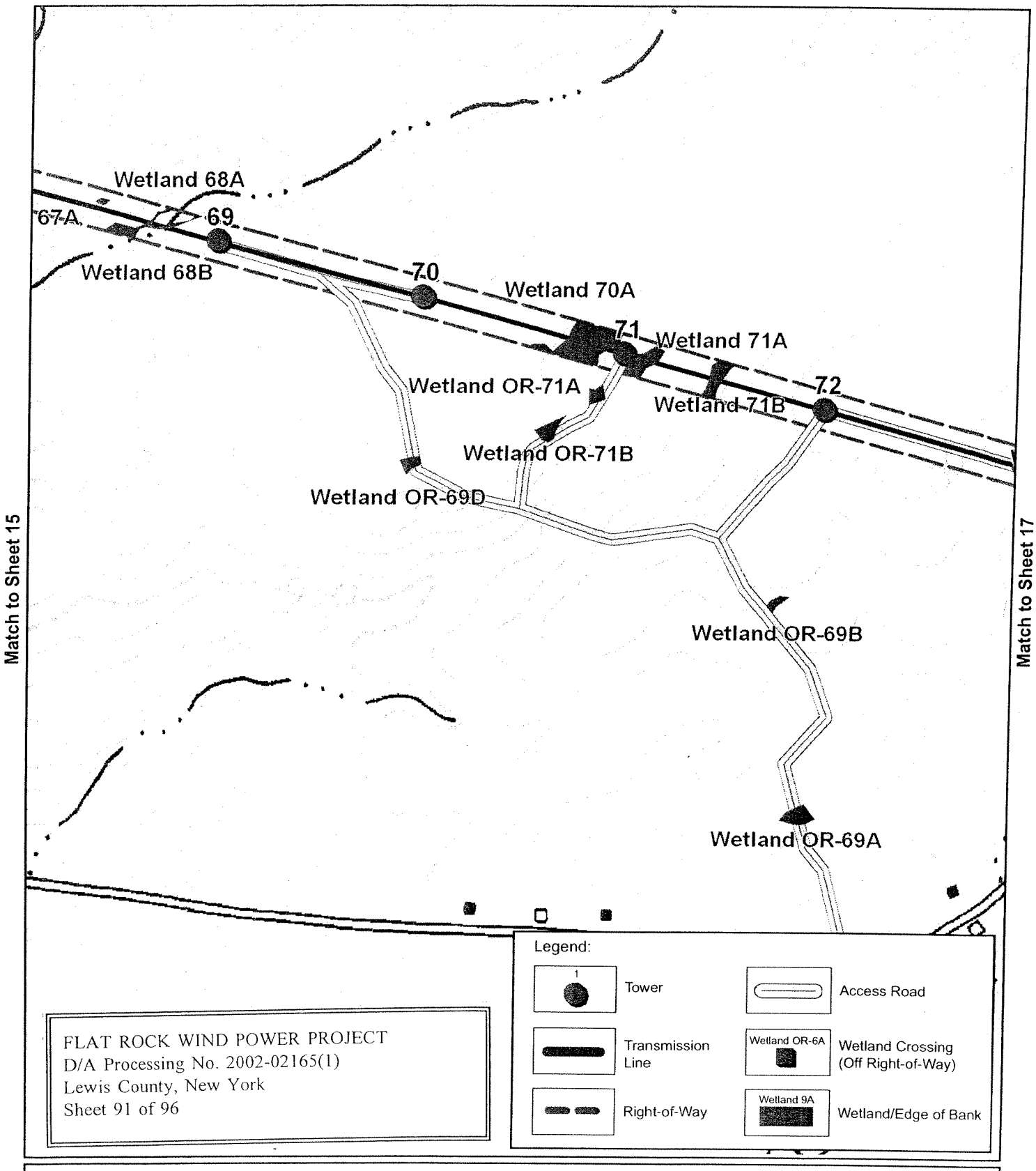
Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 15
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004



Prepared By: EDR

Prepared For:

Figure 8 (Revised). Wetland Impacts
Sheet 16
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004

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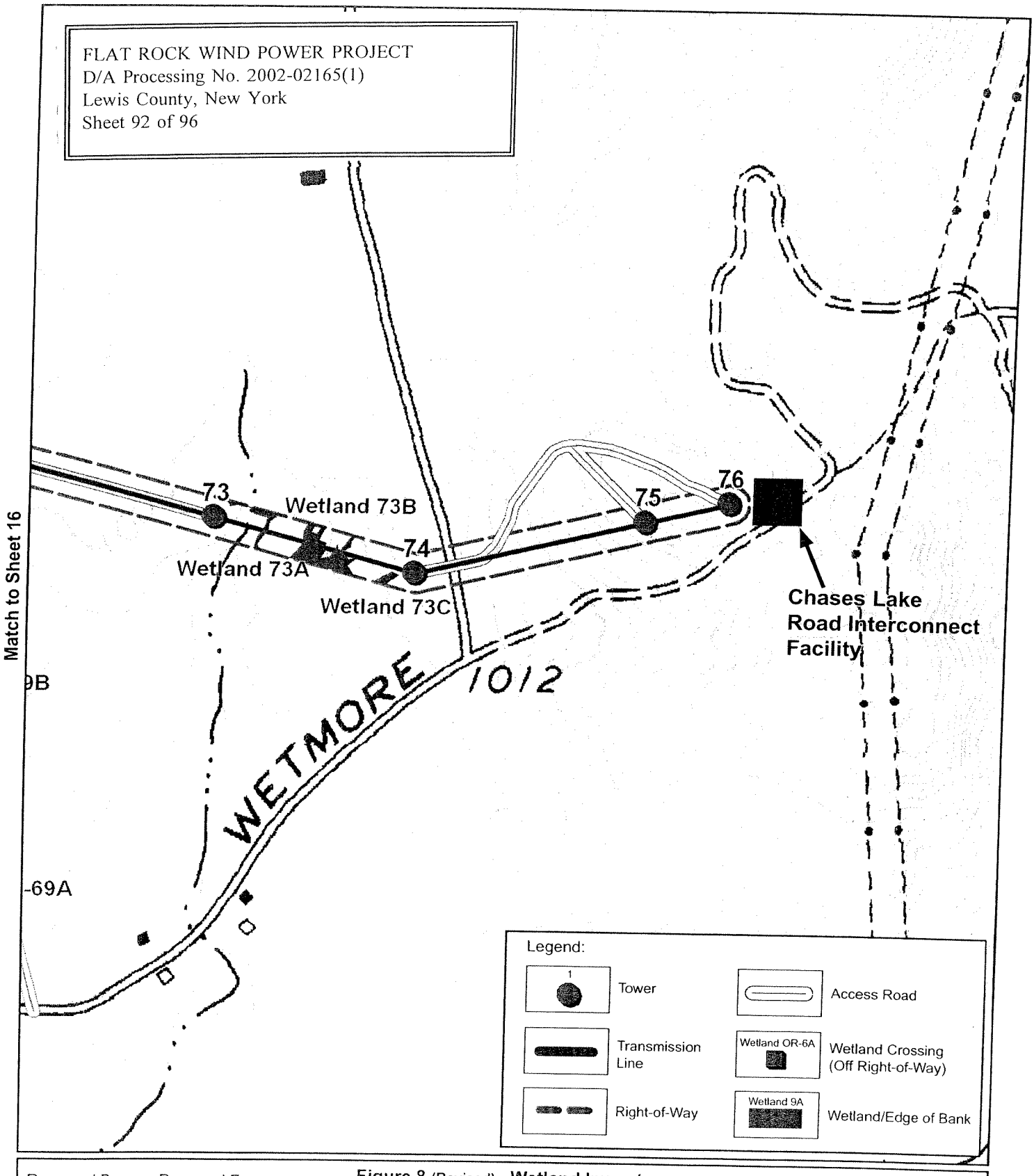

Prepared By: EDR

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Figure 8 (Revised). Wetland Impacts
Sheet 17
Flat Rock Wind Power 230 kV Transmission Line
Base Maps: NYSDOT West Lowville, Lowville, Crystal Dale, Page, Glenfield, and Brantingham Quads

NORTH

Scale: 1 inch=500 feet
January 22, 2004

Plowed or Trenched 35kV Cable

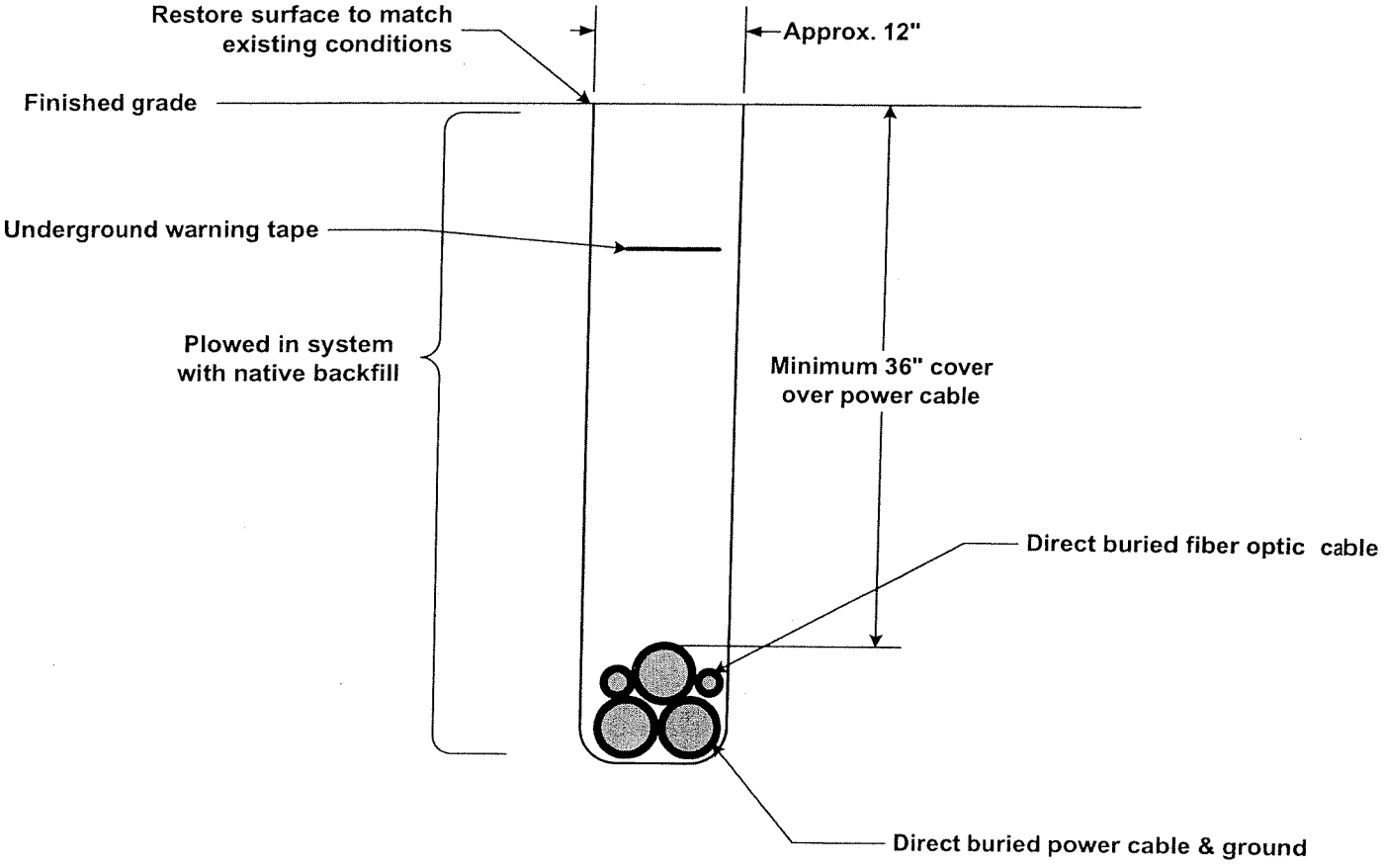

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Figure 9. Direct Burial Via Cable Plow or Trench Detail

Source: Syracuse Merit Electric
Not to Scale

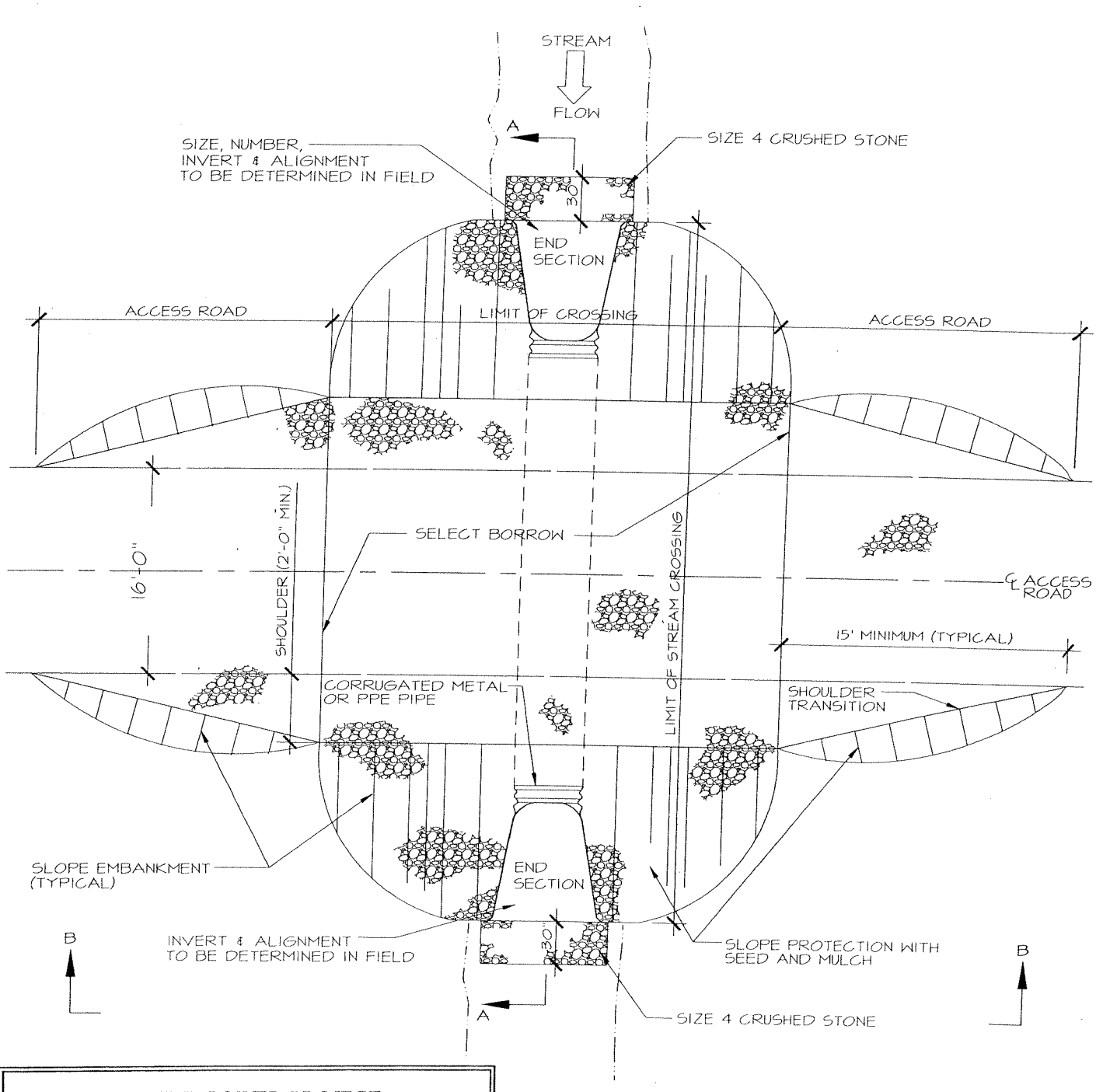

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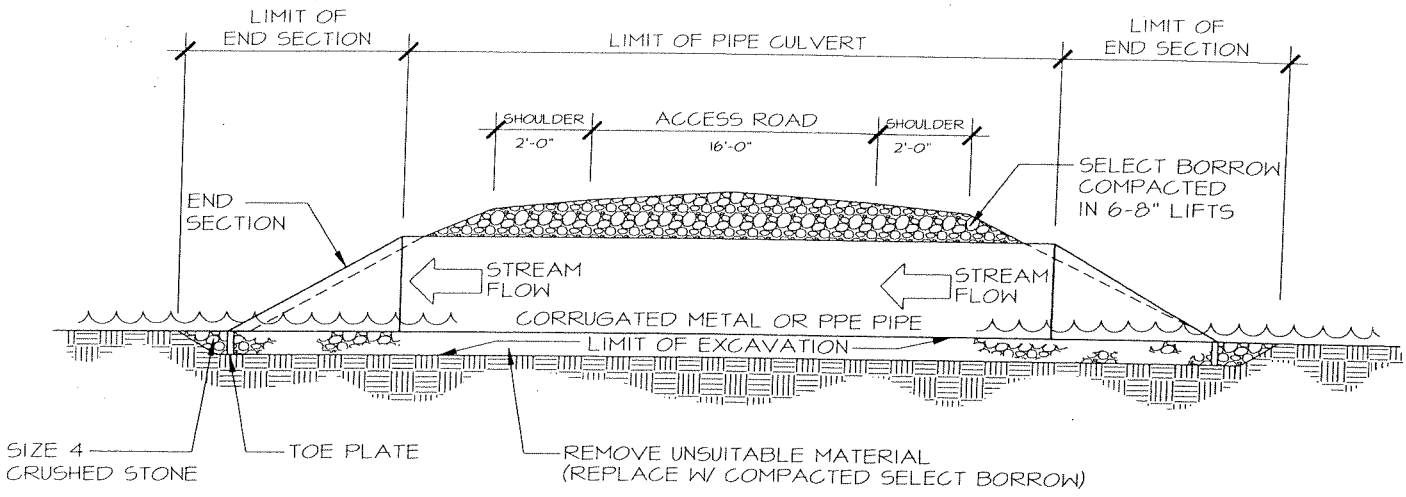
Figure 10. Permanent Road Construction Detail

Sheet 1
Source: Environmental Design and Research, P.C.
Not to Scale



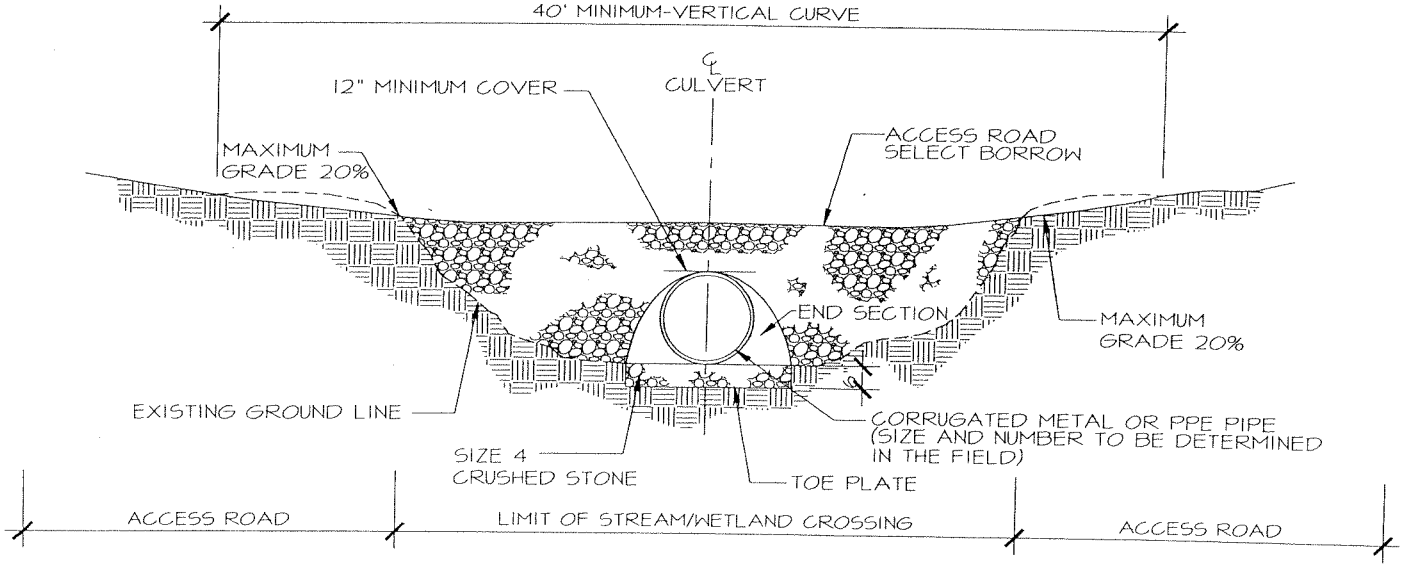


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Figure 10. Permanent Road Construction Detail

Sheet 2
Source: Environmental Design and Research, P.C.
Not to Scale

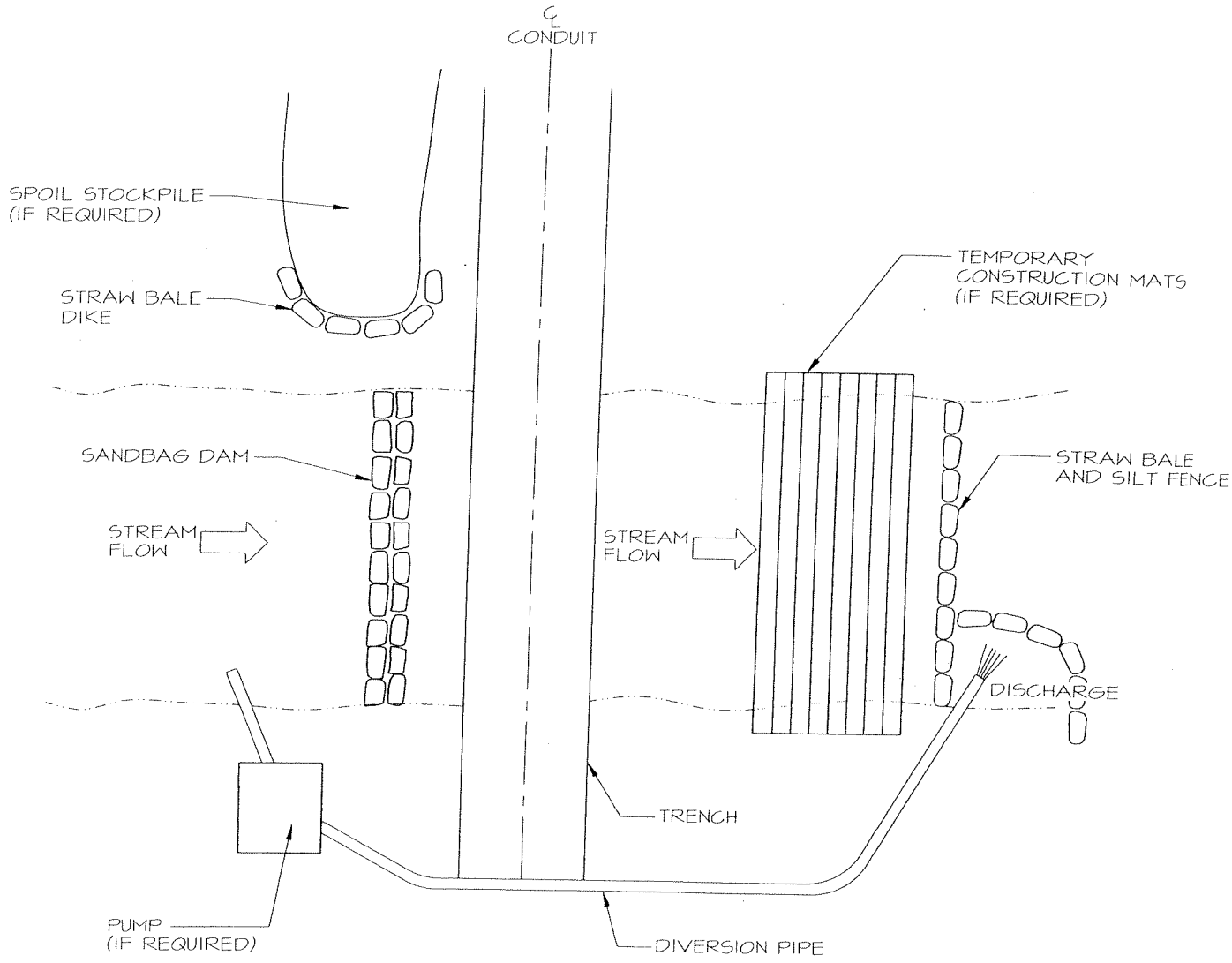

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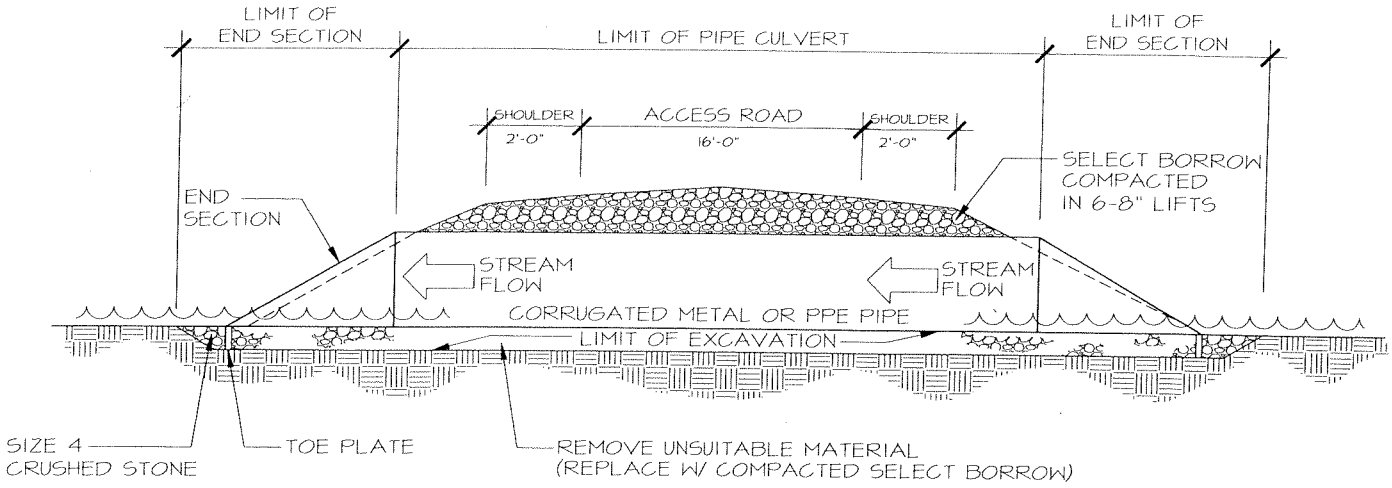
Figure 11. Temporary Stream Diversion Detail

Source: Environmental Design and Research, P.C.
Not to Scale



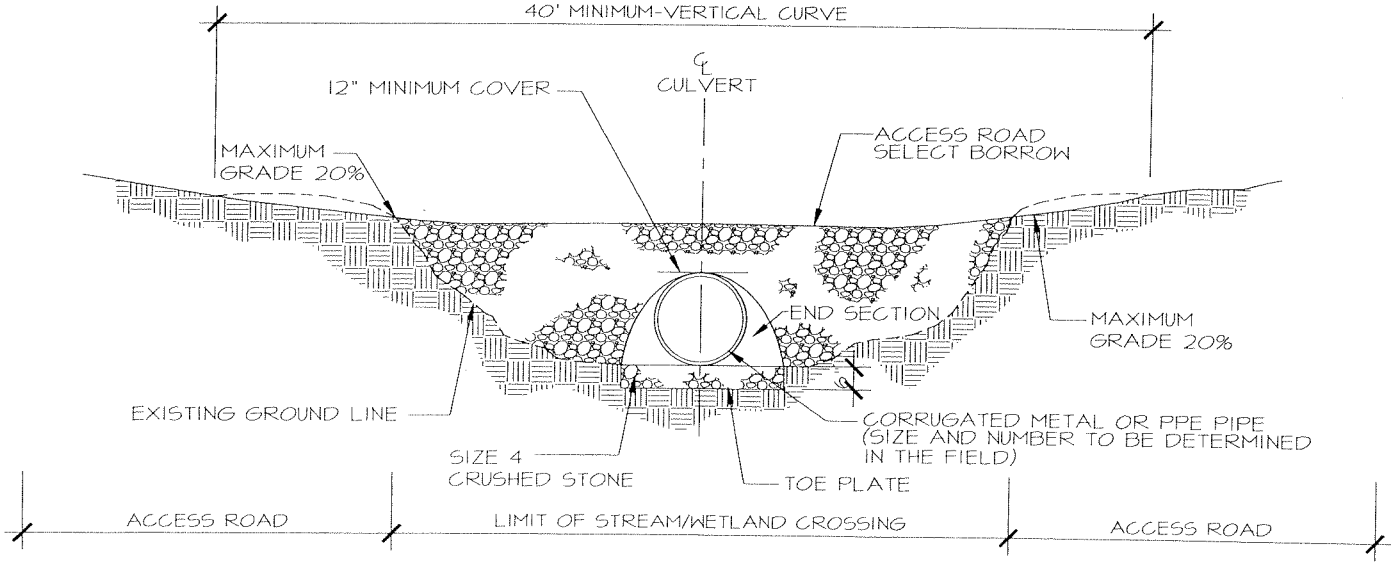


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Figure 10. Permanent Road Construction Detail

Sheet 2
Source: Environmental Design and Research, P.C.
Not to Scale

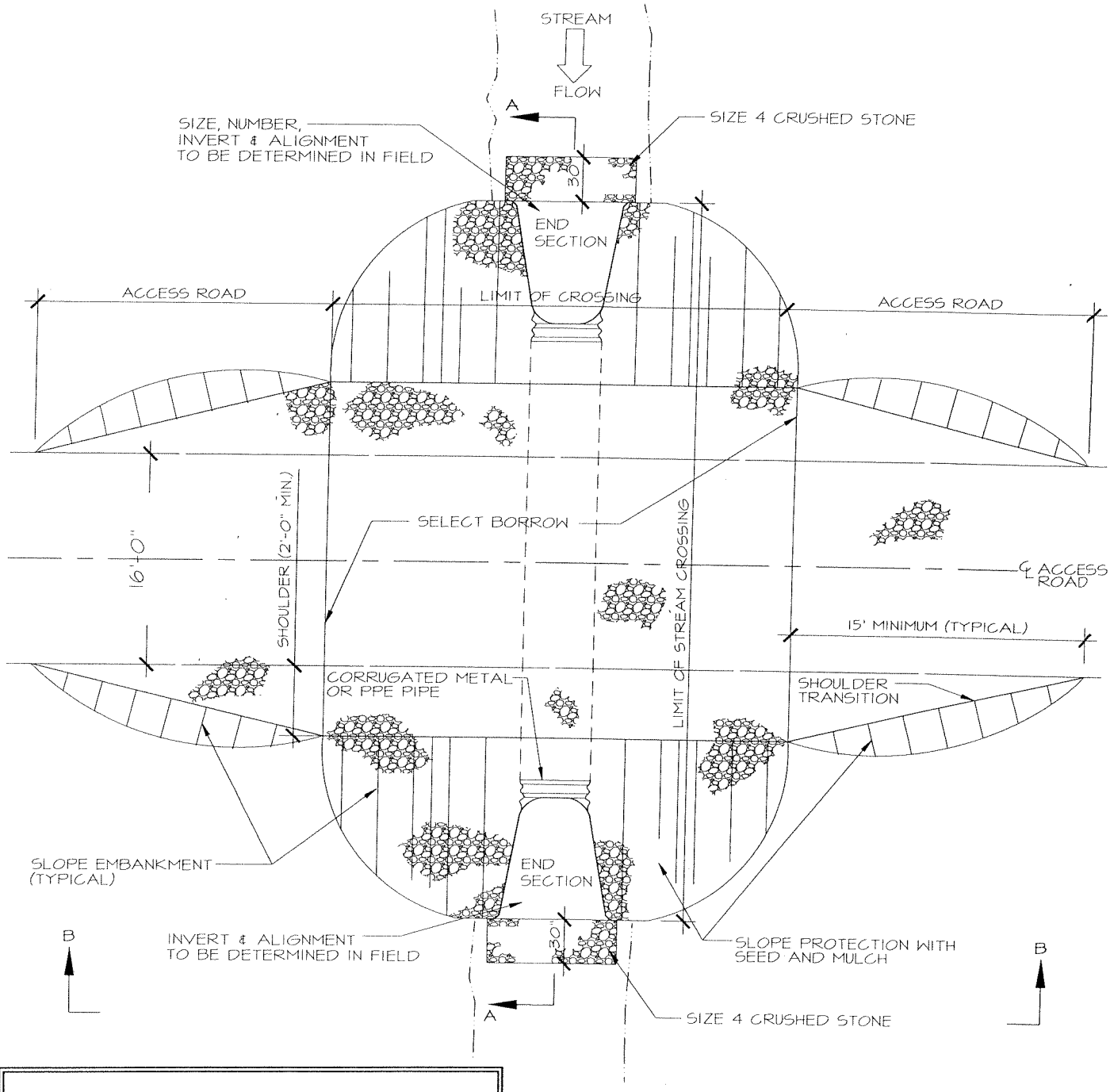

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Figure 10. Permanent Road Construction Detail

Sheet 1
Source: Environmental Design and Research, P.C.
Not to Scale