

January 4, 2002

Chief Thomas O. Ganeri
City of Troy Fire Department
2155 6th Ave
Troy, New York

Re: City of Troy
South Troy Riverfront Bikeway/Walkway

Dear Chief Ganeri:

On behalf of the City of Troy, this office is currently assembling documentation for both a EAF (Full Environmental Assessment Form) as per the New York State Environmental Quality Review Act and a NEPA Environmental Impact Statement for the proposed bikeway/walkway and

Riverfront Bikeway/Walkway Correspondence

The project will include construction of approximately 1.5 miles of bikeway/walkway and improvements to approximately 1.5 miles of existing streets. The construction activities will include grading and paving for the approximately 1/4 mile trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

At this time, we respectfully request that your office inform us of any concerns you may have regarding fire and ambulance services and the proposed project. Your written response to this matter is appreciated. Should you have any questions or require additional information, please feel free to call me at (518) 279-0625 ext-51.

Sincerely,
Erdman Anthony and Associates, Inc.

Melanie O'Connell, P.E.
Project Manager

Enclosure



January 4, 2005

Chief Thomas O. Garrett
City of Troy Fire Department
2175 6th Ave
Troy, New York

Re: City of Troy
South Troy Riverfront Bikeway/Walkway

Dear Chief Garrett:

On behalf of the City of Troy, this office is currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the above referenced project.

The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

At this time, we respectfully request that your office inform us of any concerns you may have regarding fire and ambulance services and the proposed project. Your written response to this matter is appreciated. Should you have any questions, or require additional information, please feel free to call me at (518) 279-0505 ext-21.

Sincerely,
Erdman Anthony and Associates, Inc.



Melanie Osterhout, P.E.
Project Manager

Enclosure



10.1F01B (01/01/05)

Employee Owned – Quality Driven
317 Brick Church Road, Troy, NY 12180
Telephone 518 279 0505: Facsimile 518 279 0555
www.erdmananthony.com

February 10, 2003

Attn: Consistency Review
New York State Department of State
Division of Coastal Resources
41 State Street
Albany, NY 12231-0001

Re: PIN 1755.66 – South Troy Riverfront Bikeway/Walkway

Dear Sir or Madam:

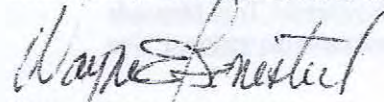
Erdman Anthony and Associates, Inc. has been retained by the City of Troy to complete the preliminary design for a new bikeway/walkway located in the City of Troy, Rensselaer County, New York. The proposed South Troy Riverfront Bikeway/Walkway is located within the coastal zone. A Design Report (DR) is in the process of being prepared for the proposed bikeway/walkway design. The project will involve the construction of approximately 3.6 miles of bikeway/walkway between the Troy-Menands Bridge and the Green Island Bridge. The bikeway/walkway will consist of one 3 meter (10 ft) wide paved shared bikeway/walkway in most areas. A site location map has been enclosed.

Eighty percent (80 %) of the project cost is federally reimbursable through the Transportation Improvement Program (project # R178). The remaining twenty percent (20 %) will be funded by the City of Troy.

Also enclosed are the plan sheets illustrating the bikeway/walkway location and the various alternative routes proposed. A completed Coastal Assessment Form and back up documentation have also been included for your review. Please contact Melanie Osterhout or me at the number below if you have any further questions or comments.

Sincerely,

ERDMAN, ANTHONY AND ASSOCIATES, INC.



Wayne E. Bonesteel, P.E.
Senior Associate

Enc.

c: Walt VanDeloo, PE, City of Troy
Frederick Ring, City of Troy



NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM

Coastal Assessment Form

A. INSTRUCTIONS (Please print or type all answers)

1. State agencies shall complete this CAF for proposed actions which are subject to Part 600 of Title 19 of the NYCRR. This assessment is intended to supplement other information used by a state agency in making a determination of significance pursuant to the State Environmental Quality Review Act (see 6 NYCRR, Part 617). If it is determined that a proposed action will not have a significant effect on the environment, this assessment is intended to assist a state agency in complying with the certification requirements of 19 NYCRR Section 600.4.
2. If any question in Section C on this form is answered "yes", then the proposed action may affect the achievement of the coastal policies contained in Article 42 of the Executive Law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to either (a) making a certification of consistency pursuant to 19 NYCRR Part 600 or, (b) making the findings required under SEQR, 6 NYCRR, Section 617.11, if the action is one for which an environmental impact statement is being prepared. If an action cannot be certified as consistent with the coastal policies, it shall not be undertaken.
3. Before answering the questions in Section C, the preparer of this form should review the coastal policies contained in 19 NYCRR Section 600.5. A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.

B. DESCRIPTION OF PROPOSED ACTION

1. Type of state agency action (check appropriate response):
 - (a) Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction) X
 - (b) Financial assistance (e.g. grant, loan, subsidy) _____
 - (c) Permit, license, certification _____
2. Describe nature and extent of action: The project will include the construction of approximately 3.6 miles of bikeway/walkway within a 10' wide easement area. The activities will include the necessary grading and paving for the approximately 10' wide bikeway/walkway construction. The area is located between the Troy-Menands Bridge and the Green Island Bridge, in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

3. Location of action:

<u>Rensselaer</u>	<u>Troy</u>	<u>Troy-Menands Bridge to Green Island Bridge</u>
County	City, Town or Village	Street or Site Description

4. If an application for the proposed action has been filed with the state agency, the following information shall be provided:

- (a) Name of applicant: N/A
- (b) Mailing address: _____
- (c) Telephone Number: Area Code () _____
- (d) State agency application number: _____

5. Will the action be directly undertaken, require funding, or approval by a federal agency?

Yes X No _____ If yes, which federal agency? funding from FHWA and FTA

C. COASTAL ASSESSMENT (Check either "YES" or "NO" for each of the following questions)

1. Will the proposed activity be located in, or contiguous to, or have a significant effect upon any of the resource areas identified on the coastal area map:

- | | <u>YES</u> | <u>NO</u> |
|---|------------|-----------|
| (a) Significant fish or wildlife habitats? | | X |
| (b) Scenic resources of statewide significance? | | X |
| (c) Important agricultural lands? | | X |

2. Will the proposed activity have a significant effect upon:

- | | |
|--|---|
| (a) Commercial or recreational use of fish and wildlife resources? | X |
| (b) Scenic quality of the coastal environment? | X |
| (c) Development of future, or existing water dependent uses? | X |
| (d) Operation of the State's major ports? | X |
| (e) Land and water uses within the State's small harbors? | X |
| (f) Existing or potential public recreation opportunities? | X |
| (g) Structures, sites or districts of historic, archeological or cultural significance to the State or nation? | X |

3. Will the proposed activity involve or result in any of the following:

- | | |
|--|---|
| (a) Physical alteration of two (2) acres or more of land along the shoreline, land under water or coastal waters? | X |
| (b) Physical alteration of five (5) acres or more of land located elsewhere in the coastal area? | X |
| (c) Expansion of existing public services of infrastructure in undeveloped or low density areas of the coastal area? | X |
| (d) Energy facility not subject to Article VII or VIII of the Public Service Law? | X |
| (e) Mining, excavation, filling or dredging in coastal waters? | X |
| (f) Reduction of existing or potential public access to or along the shore? | X |
| (g) Sale or change in use of state-owned lands located on the shoreline or under water? | X |
| (h) Development within a designated flood or erosion hazard area? | X |

(i) Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion? X

4. Will the proposed action be located in or have a significant effect upon an area included in an approved Local Waterfront Revitalization Program? X

D. SUBMISSION REQUIREMENTS

If any question in Section C is answered "Yes", AND either of the following two conditions is met:

Section B.1(a) or B.1(b) is checked; or
Section B.1(c) is checked AND B.5 is answered "Yes",

THEN one copy of the Completed Coastal Assessment Form shall be submitted to:

New York State Department of State
Division of Coastal Resources
41 State Street, 8th Floor
Albany, New York 12231

If assistance of further information is needed to complete this form, please call the Department of State at (518) 474-6000.

E. REMARKS OR ADDITIONAL INFORMATION

SEE ATTACHED

Preparer's Name: Melanie Osterhout

(Please print)

Title: Project Engineer

Agency: Erdman Anthony & Associates

Telephone Number: (518) 279-0505

Date: February 10, 2003

Attachment to Coastal Assessment Form

Several alignment alternatives have been developed for the Troy Riverfront Bikeway/Walkway project. The alignment alternatives affect two items listed on the CAF. The Coastal Assessment Form (CAF) for the Troy Riverfront Bikeway/Walkway Project contains two questions which were answered "yes". The first question which was responded to in the affirmative was:

- **Will the proposed activity have a significant effect upon existing or potential public recreational opportunities?**

The Troy Riverfront Bikeway/Walkway Project will involve the addition of an extensive amount of bikeway/walkway in the city of Troy. This project will positively affect public recreational opportunities.

The second question which was responded to in the affirmative was:

Will the proposed activity involve or result in development within a designated flood or erosion hazard area?

The Troy Riverfront Bikeway/Walkway project is located within the 100 year flood zone. The project is located in the vicinity of the shore of the Hudson River for most of it's length, no effects on erosion are anticipated. The project is also expected to require minimal grading and therefore should not drastically affect the flood zone.

The final design and construction documents will be advanced in accordance with NEPA and Best Management Practices will be utilized for stormwater management to prevent erosion impacts.

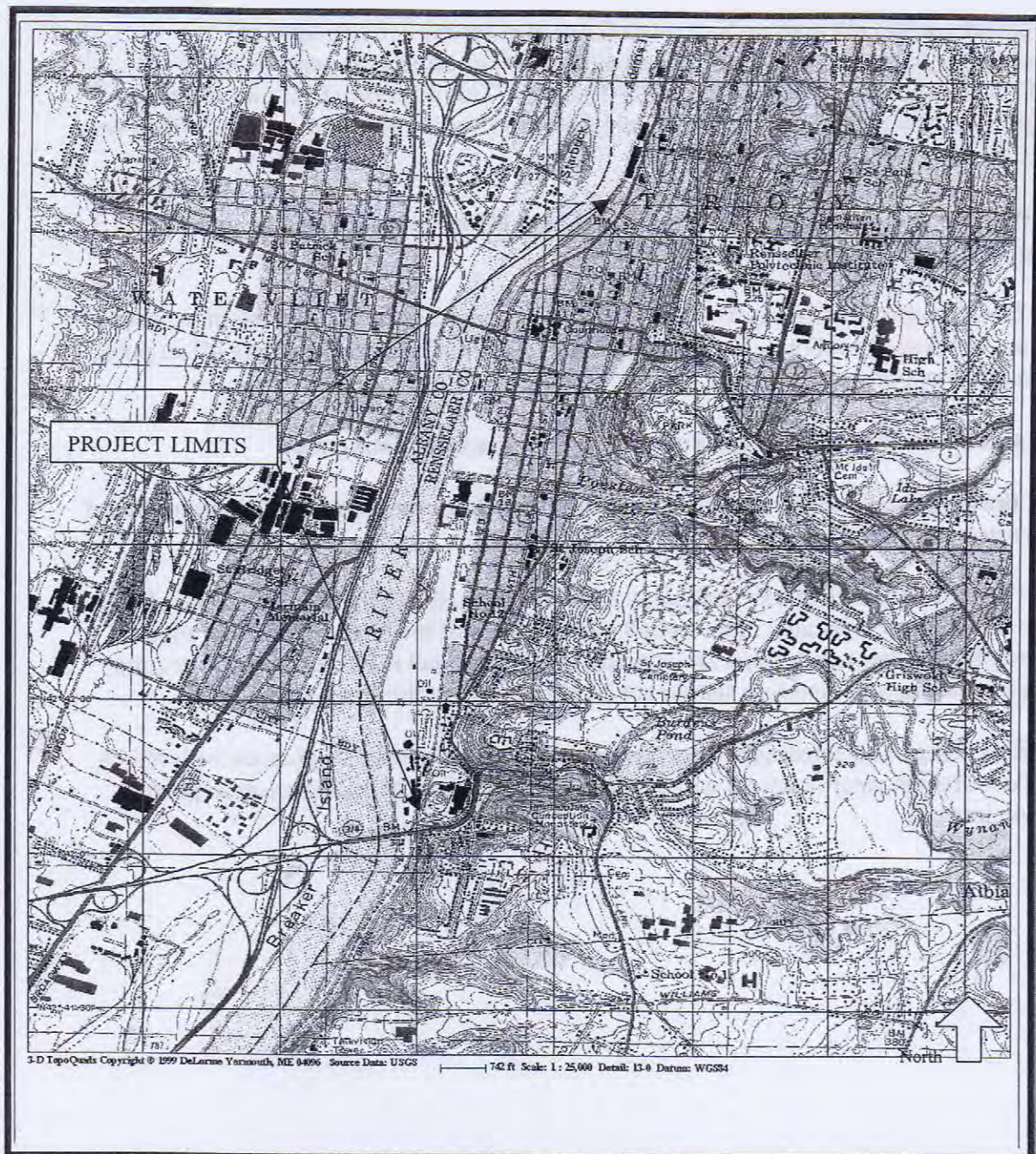


FIGURE II-2
SITE PLAN LOCATION
 USGS TROY SOUTH, NEW YORK QUADRANGLE
 SCALE: 1" = 2500'

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
	N.Y.		XX	XX
CITY OF TROY				
RENSELAER COUNTY				
XXXX.XX.XXX				

HUDSON RIVER

MATCH LINE A-A'

TROY-MENANDS BRIDGE

BIKEWAY/WALKWAY

HUDSON RIVER

BIKEWAY/WALKWAY

MATCH LINE A-A'

UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS
ALL PAY ITEMS ARE METRIC

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

BIKE PATH
SOUTH TROY BIKE PATH

DATE AUGUST 2002	DRAWING NO. PL1-1	ERDMAN ANTHONY	
---------------------	----------------------	-------------------	--

MCO
 CHECKED L
 ALIN
 DRAFTED BY
 DEL
 ESTIMATED BY
 WER
 CHECKED BY
 MCO
 DESIGNED BY
 WER
 JOB MANAGER
 WER
 DESIGN SUPERVISOR
 WER

Pin-1755.66



DEPARTMENT OF STATE

George E. Pataki
Governor
Randy A. Daniels
Secretary of State

3/3/03
Division of Coastal Resources

Notice of Incomplete Coastal Consistency Submission
for a Federal Authorization

Division of Coastal Resources received correspondence regarding your application for a federal permit or other authorization the proposal's consistency with the New York Coastal Management Program. Unfortunately, your correspondence did not include all the necessary information and data required for us to begin our review of your proposal. Please provide us with the following necessary information and data. Please refer to the file number identified below when submitting the required information. Once the required information has been received and our review has begun additional information needs to be identified.

FILE # F-2003-0131FA APPLICANT City of Troy AGENT Wayne E. Bonesteel, P.E.

A copy of a completed and a signed Federal Consistency Assessment Form including the required written analysis (cf.D.2) the proposed activity's consistency with the policies of the State's Coastal Management Program.

A copy of your application for federal agency authorization (e.g. a Joint U.S. Army Corps of Engineers & NYS Department of Environmental Conservation permit application.)

A copy of all supporting documentation submitted with the federal application and the following information if it is not included in the above.

- a detailed description of the proposed activity including its associated facilities and coastal effects
- location map showing where the activity will be conducted
- site map drawn to scale and showing all the components of the activity
- recent color photographs of the project site
- written statement of the purpose of, and need for, the activity
- identification of the owner(s) of all properties on which the activity will be conducted and of abutting property owner both upland and underwater
- written analysis of alternatives to the proposed activity will be considered by the applicant

A copy of the Final Environmental Impact Statement, if one is required by an involved federal or state agency

Copies of any applications for permits or other authorizations, and related correspondence, submitted to involved State agencies (e.g. DEC, OGS, SHPO, PSC).

Please submit the above checked information to: NYS Department of State
Division of Coastal Resources
Attn: Consistency Review
41 State Street
Albany, NY 12231

If you have any questions regarding this matter, you may contact us by telephone at (518) 474-6000. (Additional information is available on our website, www.dos.state.ny.us.)

COE/ny - marc Helman
Region 4 - William Clawce

ERDMAN
ANTHONY 

March 7, 2003

Attn: Mr. Vance Bar
New York State Department of State
Division of Coastal Resources
41 State Street
Albany, NY 12231-0001

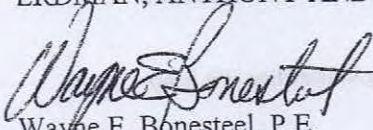
Re: PIN 1755.66 – South Troy Riverfront Bikeway/Walkway
File # - F-2003-0131FA

Dear Mr. Bar:

Erdman Anthony and Associates, Inc. has received your comments regarding the Coastal Consistency Submission for the South Troy Riverfront Bikeway/Walkway. Attached is the CAF and the document you requested in your letter and during your telephone conversation with Melanie Osterhout. Please contact Melanie Osterhout or me at the number below if you have any further questions or comments.

Sincerely,

ERDMAN, ANTHONY AND ASSOCIATES, INC.


Wayne E. Bonesteel, P.E.
Senior Associate

Enc.

c: Walt VanDeloo, PE, City of Troy
Frederick Ring, City of Troy



NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM

Coastal Assessment Form

INSTRUCTIONS (Please print or type all answers)

1. State agencies shall complete this CAF for proposed actions which are subject to Part 600 of Title 19 of the NYCRR. This assessment is intended to supplement other information used by a state agency in making a determination of significance pursuant to the State Environmental Quality Review Act (see 6 NYCRR, Part 617). If it is determined that a proposed action will not have a significant effect on the environment, this assessment is intended to assist a state agency in complying with the certification requirements of 19 NYCRR Section 600.4.
 2. If any question in Section C on this form is answered "yes", then the proposed action may affect the achievement of the coastal policies contained in Article 42 of the Executive Law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to either (a) making a certification of consistency pursuant to 19 NYCRR Part 600 or, (b) making the findings required under SEQR, 6 NYCRR, Section 617.11, if the action is one for which an environmental impact statement is being prepared. If an action cannot be certified as consistent with the coastal policies, it shall not be undertaken.
- Before answering the questions in Section C, the preparer of this form should review the coastal policies contained in 19 NYCRR Section 600.5. A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.

DESCRIPTION OF PROPOSED ACTION

Type of state agency action (check appropriate response):

- (a) Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction) X
- (b) Financial assistance (e.g. grant, loan, subsidy)
- (c) Permit, license, certification

Describe nature and extent of action: The project will include the construction of approximately 3.6 miles of bikeway/walkway within a 10' wide easement area. The activities will include the necessary grading and paving for the approximately 10' wide bikeway/walkway construction. The area is located between the Troy-Menands Bridge and the Green Island Bridge, in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Location of action:

<u>Rensselaer</u>	<u>Troy</u>	<u>Troy-Menands Bridge to Green Island Bridge</u>
County	City, Town or Village	Street or Site Description

If an application for the proposed action has been filed with the state agency, the following information shall be provided:

- (a) Name of applicant: N/A
- (b) Mailing address: _____
- (c) Telephone Number: Area Code
() _____
- (d) State agency application number: _____

5. Will the action be directly undertaken, require funding, or approval by a federal agency?

Yes X No _____ If yes,
which federal agency? funding from FHWA and FTA

C. COASTAL ASSESSMENT (Check either "YES" or "NO" for each of the following questions)

1. Will the proposed activity be located in, or contiguous to, or have a significant effect upon any of the resource areas identified on the coastal area map:

	YES	NO
(a) Significant fish or wildlife habitats?	X	
(b) Scenic resources of statewide significance?	X	
(c) Important agricultural lands?	X	

2. Will the proposed activity have a significant effect upon:

(a) Commercial or recreational use of fish and wildlife resources?	X
(b) Scenic quality of the coastal environment?	X
(c) Development of future, or existing water dependent uses?	X
(d) Operation of the State's major ports?	X
(e) Land and water uses within the State's small harbors?	X
(f) Existing or potential public recreation opportunities?	X
(g) Structures, sites or districts of historic, archeological or cultural significance to the State or nation?	X

3. Will the proposed activity involve or result in any of the following:

(a) Physical alteration of two (2) acres or more of land along the shoreline, land under water or coastal waters?	X
(b) Physical alteration of five (5) acres or more of land located elsewhere in the coastal area?	X
(c) Expansion of existing public services of infrastructure in undeveloped or low density areas of the coastal area?	X
(d) Energy facility not subject to Article VII or VIII of the Public Service Law?	X
(e) Mining, excavation, filling or dredging in coastal waters?	X
(f) Reduction of existing or potential public access to or along the shore?	X
(g) Sale or change in use of state-owned lands located on the shoreline or under water?	X
(h) Development within a designated flood or erosion hazard area?	X

(i) Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion? X

4. Will the proposed action be located in or have a significant effect upon an area included in an approved Local Waterfront Revitalization Program?..... X

SUBMISSION REQUIREMENTS

If any question in Section C is answered "Yes", AND either of the following two conditions is met:

- Section B.1(a) or B.1(b) is checked; or
- Section B.1(c) is checked AND B.5 is answered "Yes",

THEN one copy of the Completed Coastal Assessment Form shall be submitted to:

New York State Department of State
Division of Coastal Resources
41 State Street, 8th Floor
Albany, New York 12231

If assistance of further information is needed to complete this form, please call the Department of State at (518) 474-

REMARKS OR ADDITIONAL INFORMATION

ATTACHED

Preparer's Name: Melanie Osterhout
(Please print)

Project Engineer: _____ Agency: Erdman Anthony & Associates

Phone Number: (518) 279-0505 Date: February 10, 2003

Attachment to Coastal Assessment Form

Several alignment alternatives have been developed for the Troy Riverfront Bikeway/Walkway project. The alignment alternatives affect two items listed on the CAF. The Coastal Assessment Form (CAF) for the Troy Riverfront Bikeway/Walkway Project contains two questions which were answered "yes". The first question which was responded to in the affirmative was:

- **Will the proposed activity have a significant effect upon existing or potential public recreational opportunities (Policy 19)?**

The Troy Riverfront Bikeway/Walkway Project will involve the addition of an extensive amount of bikeway/walkway in the City of Troy. This project will positively affect public recreational opportunities. The bikeway will not involve an increase in water activities, however, it will provide access to, views of, and overlooks for viewing the Hudson River.

The second question which was responded to in the affirmative was:

Will the proposed activity involve or result in development within a designated flood or erosion hazard area (Policy 11)?

The Troy Riverfront Bikeway/Walkway project is located within the 100 year flood zone. The project is located in the vicinity of the shore of the Hudson River for most of it's length, no effects on erosion are anticipated. The project is also expected to require minimal grading and therefore should not drastically affect the flood zone.

The final design and construction documents will be advanced in accordance with NEPA and Best Management Practices will be utilized for stormwater management to prevent erosion impacts.



STATE OF NEW YORK
DEPARTMENT OF STATE
41 STATE STREET
ALBANY, NY 12231-0001

cc: lob
RECEIVED
MAR 19 2003

GEORGE E. PATAKI
GOVERNOR

March 13, 2003

RANDY A. DANIELS
SECRETARY OF STATE

John Osterhout
John Anthony & Associates
100 Wick Church Road
Albany, NY 12180-8112

Re: F-2003-0130 (FA)
The Federal Highway Administration
Application - City of Troy - Construction of a new roadway
Hudson River, City of Troy, Rensselaer County

General Concurrence - No Objection To Funding

John Osterhout:

The Department of State received the information you submitted regarding the above matter on February 14, 2003.

The Department of State has determined that this proposal meets the Department's general consistency concurrence. Therefore, the Department of State has no objection to the use of The Federal Highway Administration for this financial assistance activity.

For further communicating with us regarding this matter, please contact us at (518) 474-6000 and refer to our file F-2003-0130 (FA).

Sincerely,

Vance A. Barr
Coastal Resource Specialist
Consistency Review and Analysis

FHWA- Robert Arnold

ERDMAN
ANTHONY



July 17, 2002

United States Department of the Interior
Fish & Wildlife Service
3817 Luker Road
Cortland, New York 13045

Re: **City of Troy**
South Troy Riverfront Bikeway/Walkway

Dear Field Services Bureau:

On behalf of the City of Troy, this office is currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the above referenced project.

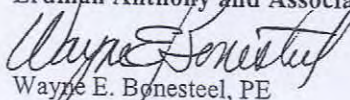
The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

At this time, we respectfully request that your office review any available material concerning the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext-21.

Sincerely,
Erdman Anthony and Associates, Inc.


Wayne E. Bonesteel, PE
Senior Associate

Enclosure



Employee Owned - Quality Driven
317 Brick Church Road, Troy, NY 12180-8112
Telephone 518 279 0505 : Facsimile 518 279 0555
www.erdmananthony.com

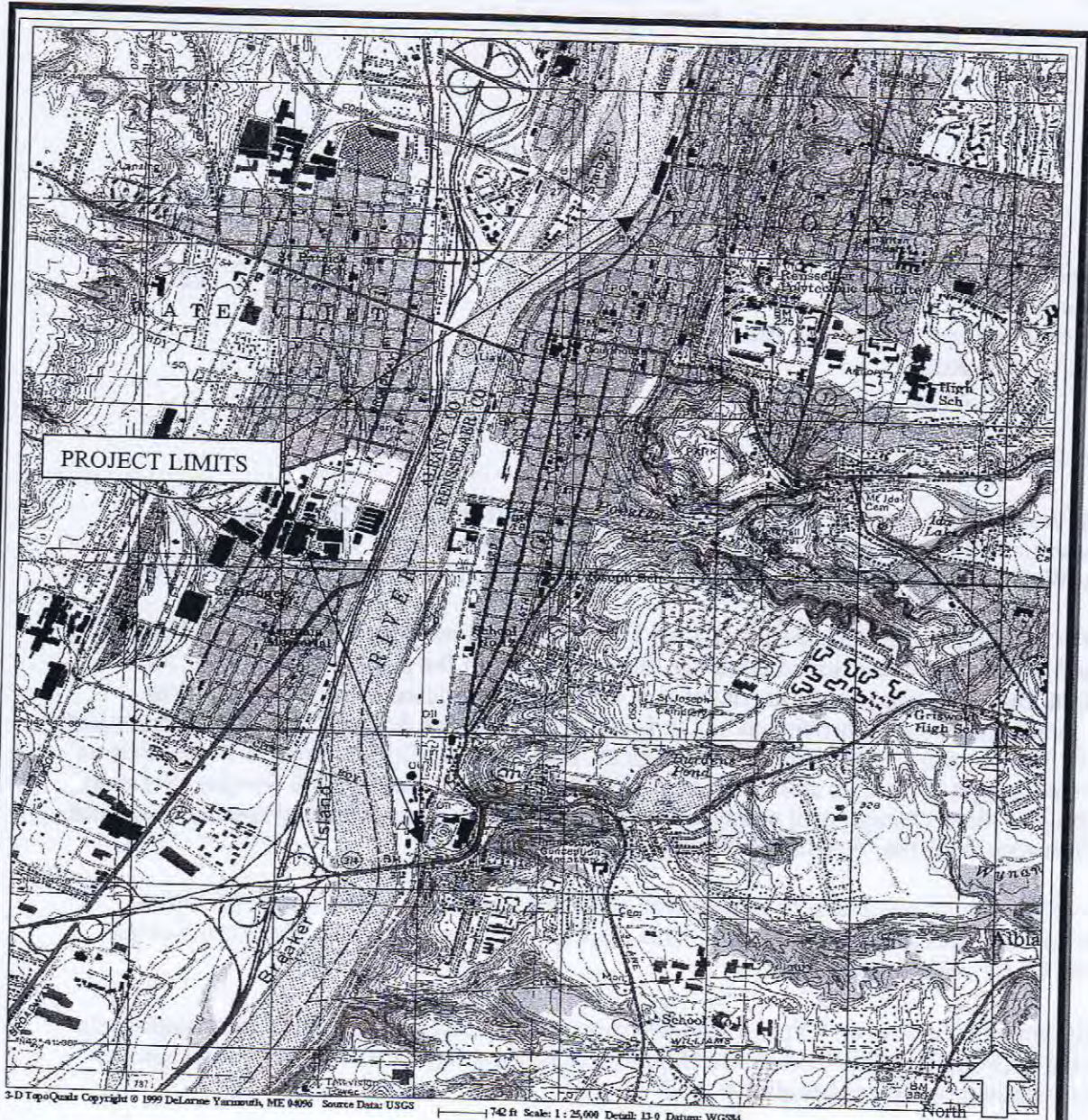


FIGURE II-2
SITE PLAN LOCATION

USGS TROY SOUTH, NEW YORK QUADRANGLE

SCALE: 1" = 2500'



United States Department of the Interior

FISH AND WILDLIFE SERVICE
3817 LUKER ROAD
CORTLAND, NY 13045

August 7, 2002

RECEIVED

AUG 12 2002

Mr. Wayne E. Bonesteel, P.E.
Senior Associate
Erdman, Anthony and Associates, Inc.
317 Brick Church Road
Troy, NY 12180-8112

Dear Mr. Bonesteel:

This responds to your letter of July 17, 2002, requesting information on the presence of endangered or threatened species in the vicinity of the proposed South Troy Riverfront Bikeway/Walkway between Routes 7 and 370 in the City of Troy, Rensselaer County, New York.

Except for occasional transient individuals, no Federally listed or proposed endangered or threatened species under our jurisdiction are known to exist in the project impact area. In addition, no habitat in the project impact area is currently designated or proposed "critical habitat" in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). Therefore, no Biological Assessment or further Section 7 consultation under the Endangered Species Act is required with the U.S. Fish and Wildlife Service (Service). Should project plans change, or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered.

The above comments pertaining to endangered species under our jurisdiction are provided pursuant to the Endangered Species Act. This response does not preclude additional Service comments under other legislation.

For additional information on fish and wildlife resources or State-listed species, we suggest you contact the appropriate New York State Department of Environmental Conservation regional office(s) as shown on the enclosed map, and:

New York State Department of Environmental Conservation
New York Natural Heritage Program Information Services
625 Broadway
Albany, NY 12233
(518) 402-8935

Since culverts or bridges may be involved in the proposed project, the Service suggests that you consider methods for enhancing fish and wildlife use of culverted waterways. We generally recommend that box culverts be used rather than circular culverts to convey stream flow. Box culverts are more likely than circular culverts to duplicate existing flows and allow normal fish

passage (Warren and Pardew 1998). In addition, streambed conditions can be better replicated within box culverts to create aquatic habitat, and benches can be installed along one or both sides of the culvert or bridge to allow for dry passage of wildlife during high water periods (Jackson and Griffin 1998, Bates 1999).

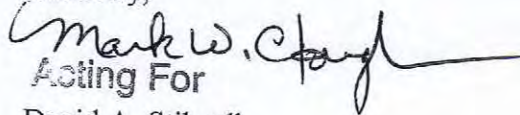
Since wetlands may be present, you are advised that National Wetlands Inventory (NWI) maps may or may not be available for the project area. However, while the NWI maps are reasonably accurate, they should not be used in lieu of field surveys for determining the presence of wetlands or delineating wetland boundaries for Federal regulatory purposes. Copies of specific NWI maps can be obtained from:

Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca, NY 14853
(607) 255-4864

Work in certain waters and wetlands of the United States may require a permit from the U.S. Army Corps of Engineers (Corps). If a permit is required, in reviewing the application pursuant to the Fish and Wildlife Coordination Act, the Service may concur, with or without stipulations, or recommend denial of the permit depending upon the potential adverse impacts on fish and wildlife resources associated with project implementation. The need for a Corps permit may be determined by contacting the appropriate Corps office(s) as shown on the enclosed map.

If you require additional information please contact Michael Stoll at (607) 753-9334.

Sincerely,



Acting For

David A. Stilwell
Field Supervisor

Literature Cited:

Bates, K. 1999. Fish passage design at road culverts: a design manual for fish passage at road crossings. Washington Department of Fish and Wildlife, Habitat and Lands Program, Environmental Engineering Division, Olympia, WA.

Jackson, S.D. and C.R. Griffin. 1998. Toward a practical strategy for mitigating highway impacts on wildlife. Proceedings of the International Conference on Wildlife Ecology and Transportation, Fort Myers, FL, USA, February 10-12, 1998, pp. 17-22.

Warren, M.L., Jr. and M.G. Pardew. 1998. Road crossings as barriers to small-stream fish movement. Transactions of the American Fisheries Society 127:637-644.

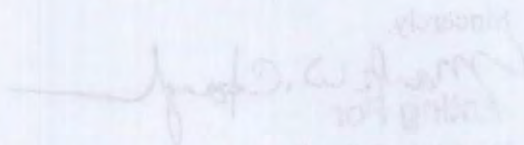
Enclosure

cc: NYSDEC, Schenectady, NY (Environmental Permits)
NYSDEC, Albany, NY (Natural Heritage Program)
COE, New York, NY

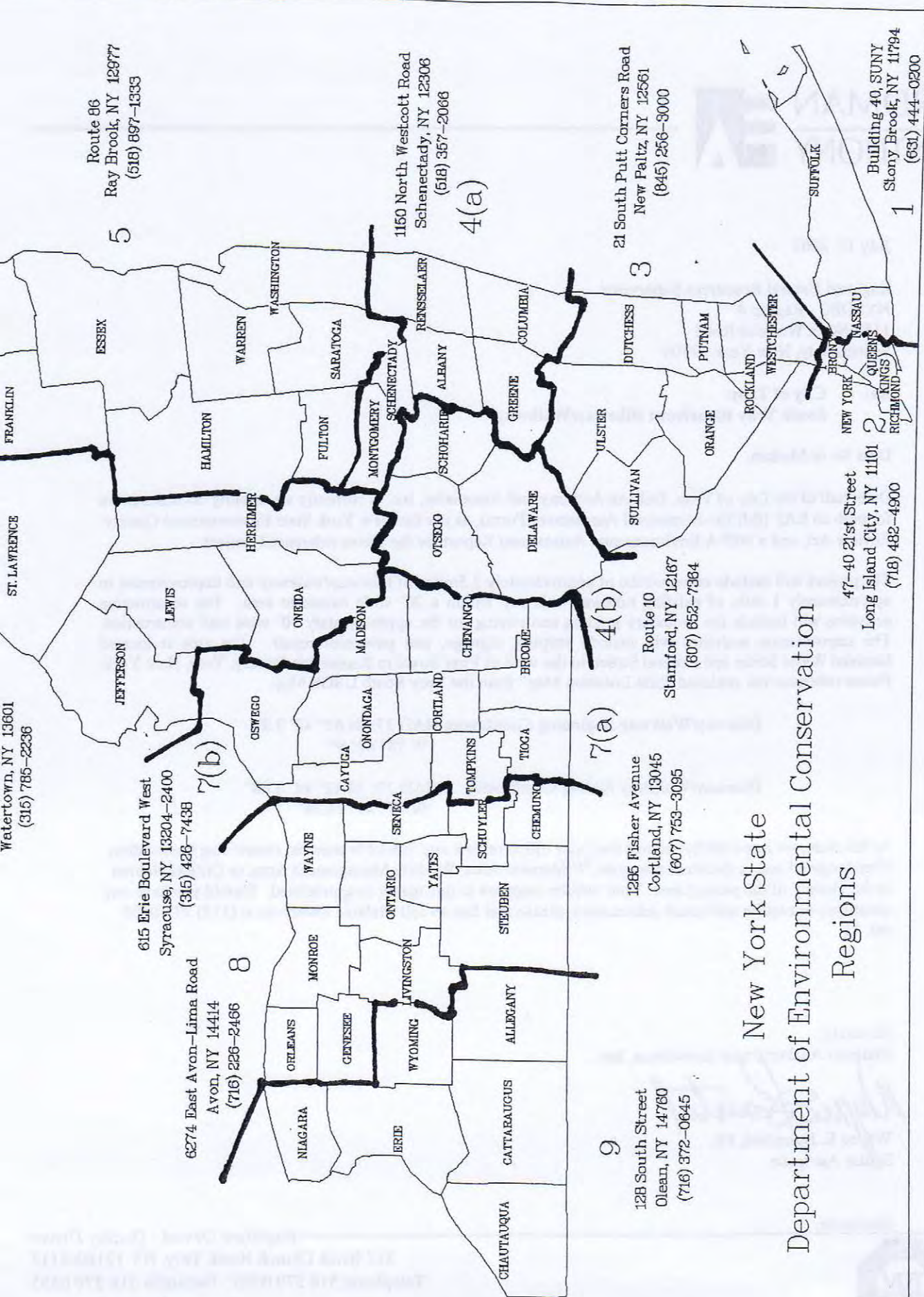
Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca NY 14853
(607) 255-1804

not in certain water and wetlands of the United States may require a permit from the
A State Corps of Engineers (COE). If a permit is required, the reviewing the application
request to the Fish and Wildlife Conservation Act, the Service may occur, with or without
provisions, or recommend denial of the permit depending upon the potential adverse impacts on
and wildlife resources associated with project implementation. The need for a COE permit
may be determined by contacting the appropriate COE office(s) as shown on the enclosed map.

you require additional information please contact Michael Stoff at (607) 723-9334.


David A. Stuyell
Field Supervisor

Environmental Engineering Division, Olympia, WA
Washington Department of Fish and Wildlife, Habitat and Lands Program
K. R. 1997. Fish passage design at road culverts: a design manual for fish passage at road
culverts. Washington Department of Fish and Wildlife, Habitat and Lands Program.
and Transportation. Fort Myers, FL. USA. February 10-12, 1998. pp. 17-22.
impacts on wildlife. Proceedings of the International Conference on Wildlife Ecology
and Transportation. Fort Myers, FL. USA. February 10-12, 1998. pp. 17-22.
Stoff, M.L. and M.G. Fausch. 1998. Road crossings as barriers to small-stream fish
movement. Transactions of the American Fisheries Society 127:637-644.



New York State Department of Environmental Conservation Regions



July 17, 2002

Regional Natural Resources Supervisor
NYSDEC - Region 4
1150 North Westcott Road
Schenectady, New York 12306

Re: **City of Troy**
South Troy Riverfront Bikeway/Walkway

Dear Sir or Madam:

On behalf of the City of Troy, Erdman Anthony and Associates, Inc. is currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the above referenced project.

The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

At this time, we respectfully request that your office review any available material concerning the location of endangered and or threatened species, Wilderness Area, Wildlife Management Area, or Critical Habitat in the vicinity of the project area. Your written response to this matter is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext. 21.

Sincerely,
Erdman Anthony and Associates, Inc.

Wayne E. Bonesteel, PE
Senior Associate

Enclosure



New York State Department of Environmental Conservation

Division of Fish, Wildlife & Marine Resources

New York Natural Heritage Program

525 Broadway, 5th floor, Albany, New York 12233-4757

Phone: (518) 402-8935 • FAX: (518) 402-8925

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

July 31, 2002

RECEIVED

AUG 02 2002

Wayne E. Bonesteel
Erdman Anthony and Associates, Inc
17 Brick Church Rd
Troy, NY 12180-8112

Dear Mr. Bonesteel:

In response to your recent request, we have reviewed the New York Natural Heritage Program databases with respect to the proposed South Troy Riverfront Bikeway/Walkway, 2.5 miles new construction and 1 mile improvements to existing, area as indicated on the map you provided, Water Street to Federal Street, City of Troy, Rensselaer County.

We have no records of known occurrences of rare or state-listed animals or plants, significant natural communities, or other significant habitats, on or in the immediate vicinity of your site.

The absence of data does not necessarily mean that rare or endangered elements, natural communities or other significant habitats do not exist on or adjacent to the proposed site, but rather that our files currently do not contain any information which indicates the presence. For most sites, comprehensive field surveys have not been conducted. For these reasons, we cannot provide a definitive statement on the presence or absence of rare or state-listed species, or of significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities and other significant habitats maintained in the Natural Heritage Databases. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

Sincerely,

Teresa Mackey
Teresa Mackey, Information Services
NY Natural Heritage Program

Reg. 4, Wildlife Mgr.

July 17, 2002

NYS DEC – Information Services
NY Natural Heritage Program
625 Broadway, 5th Floor
Albany, New York 12233-4754

Re: **City of Troy**
South Troy Riverfront Bikeway/Walkway

Dear Significant Habitat unit:

On behalf of the City of Troy, Erdman Anthony and Associates, Inc. is currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the above referenced project.

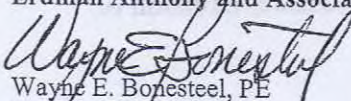
The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

At this time, we respectfully request that your office review any available material concerning the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext. 21. this office.

Sincerely,
Erdman Anthony and Associates, Inc.


Wayne E. Bonesteel, PE
Senior Associate

Enclosure

**York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources, Region 4**

100 Westcott Road, Schenectady, New York 12306-2014

(518) 357-2066 • FAX: (518) 357-2460

nheasli@gw.dec.state.ny.us Website: www.dec.state.ny.us



Erin M. Crotty
Acting
Commissioner

RECEIVED

AUG 20 2002

August 15, 2002

Mr. Wayne Bonesteel
Firmman Anthony and Associates Inc.
17 Brick Church Road
Troy, NY 12180

Dear Mr. Bonesteel:

Your inquiry concerning the presence of sensitive resources in the immediate vicinity of the proposed South Troy Riverfront Bikeway/Walkway in the City of Troy, Rensselaer County shown on the attached map was referred to me. There are no recent historic records of plant or wildlife species presently listed as endangered or threatened, or critical habitats occurring in the immediate vicinity of the site. There are also no Wildlife Management Areas in the vicinity of the project site.

Sincerely,

Nancy Heaslip
Senior Wildlife Biologist

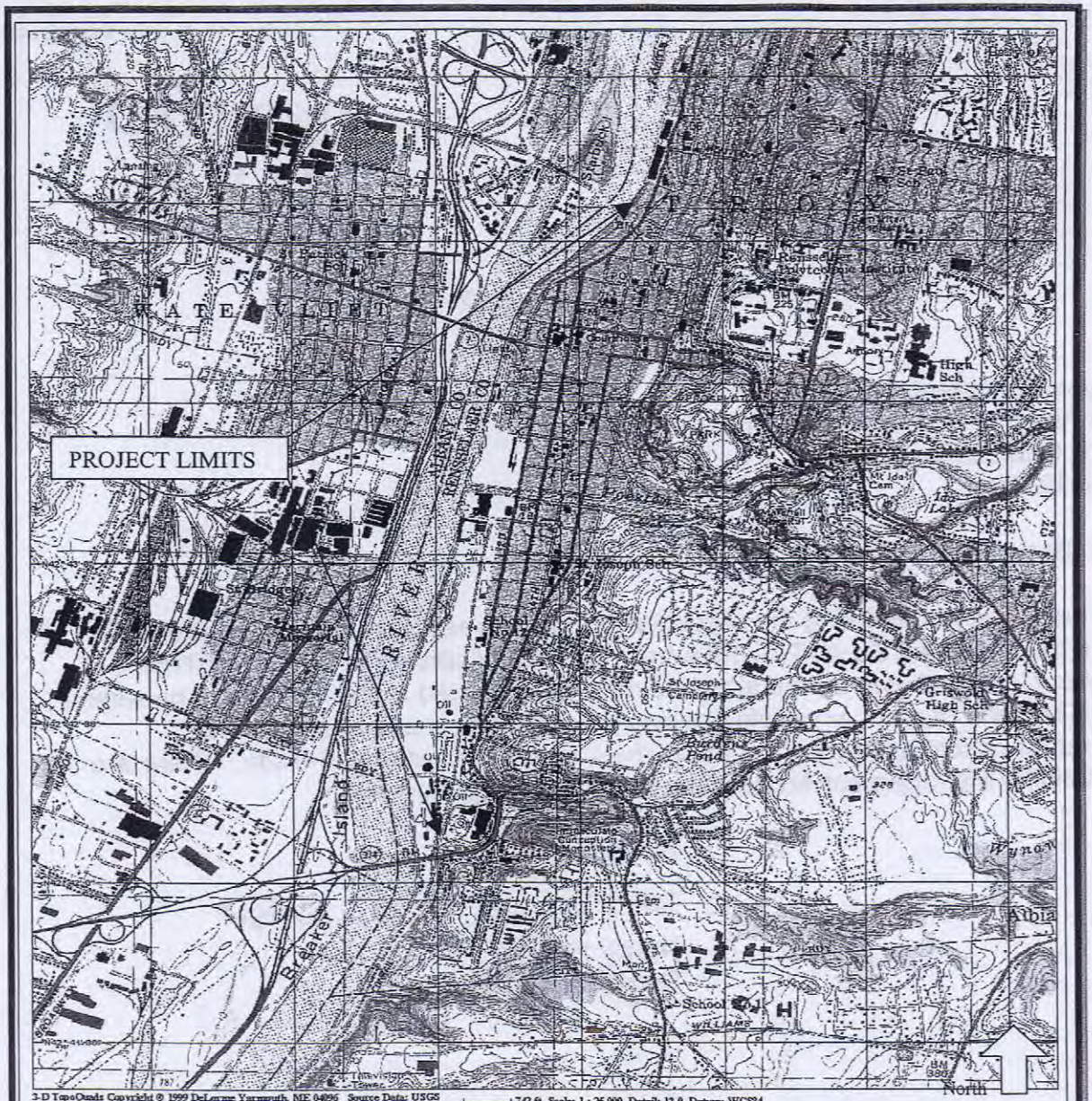


FIGURE II-2
SITE PLAN LOCATION

USGS TROY SOUTH, NEW YORK QUADRANGLE

SCALE: 1" = 2500'



July 17, 2002

Historic Preservation Field Services Bureau
NYS Office of Parks and Recreation
Peebles Island, P.O. Box 189
Waterford, New York 12188-0189

Re: **City of Troy**
South Troy Riverfront Bikeway/Walkway

Dear Historic Preservation Field Services Bureau:

On behalf of the City of Troy, this office is currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the above referenced project.

The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

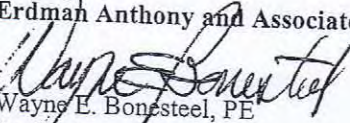
Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

At this time, we respectfully request that your office review any available material concerning New York State Archeological Sensitivity Map and Archeological Site Data, as directed under Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law. As well, please advise if there are any federal agency involvement, Advisory Council on Historic Preservation's Regulations (36CFR800) requiring consultation with the State Historic Preservation Office (SHPO).

Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext-21.

Sincerely,
Erdman Anthony and Associates, Inc.


Wayne E. Bonesteel, PE
Senior Associate

Enclosure



New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

August 14, 2002

RECEIVED

AUG 17 2002

Wayne E. Bonesteel
Erdman Anthony and Associates
317 Brick Church Rd.
Troy, New York 12180-8112

Re: SEQRA
South Troy Riverfront Bikeway/Walkway
Between Water Street and Federal St
Troy, Rensselaer County
02PR03805

Dear Mr. Bonesteel:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP) concerning your project's potential impact/effect upon historic and/or prehistoric cultural resources. Our staff has reviewed the documentation that you provided on your project. Preliminary comments and/or requests for additional information are noted on separate enclosures accompanying this letter. A determination of impact/effect will be provided only after ALL documentation requirements noted on any enclosures have been met. Any questions concerning our preliminary comments and/or requests for additional information should be directed to the appropriate staff person identified on each enclosure.

In cases where a state agency is involved in this undertaking, it is appropriate for that agency to determine whether consultation should take place with OPRHP under Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law. In addition, if there is any federal agency involvement, Advisory Council on Historic Preservation's regulations, "Protection of Historic and Cultural Properties" 36 CFR 800 requires that agency to initiate Section 106 consultation with the State Historic Preservation Officer (SHPO).

When responding, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont
Director

RLP:cmp

ARCHEOLOGY COMMENTS
02PR03805

ed on reported resources, there is an archeological site in or adjacent to your project area. Therefore the
ce of Parks, Recreation and Historic Preservation (OPRHP) recommends that a Phase 1 archeological survey is
ranted for all portions of the project to involve ground disturbance, unless substantial prior ground
urbance can be documented. If you consider the project area to be disturbed, documentation of the
urbance will need to be reviewed by OPRHP. Examples of disturbance include mining activities and multiple
odes of building construction and demolition.

ase 1 survey is designed to determine the presence or absence of archeological sites or other cultural
urces in the project's area of potential effect. The Phase 1 survey is divided into two progressive units of
y including a Phase 1A sensitivity assessment and initial project area field inspection, and a Phase 1B
urface testing program for the project area. The OPRHP can provide standards for conducting cultural
urce investigations upon request. Cultural resource surveys and survey reports that meet these standards will
cepted and approved by the OPRHP.

office does not conduct cultural resources surveys. A 36 CFR 61 qualified archeologist should be retained to
uct the Phase 1 survey. Many archeological consulting firms advertise their availability in the yellow pages.
ervices of qualified archeologists can also be obtained by contacting local, regional, or statewide professional
eological organizations. Phase 1 surveys can be expected to vary in cost per mile of right-of-way or by the
per of acres impacted. We encourage you to contact a number of consulting firms and compare examples of
firm's work to obtain the best product.

mentation of ground disturbance should include a description of the disturbance with confirming evidence.
rmation can include current photographs and/or older photographs of the project area which illustrate the
rbance (approximately keyed to a project area map), past maps or site plans that accurately record previous
rbances, or current soil borings that verify past disruptions to the land. Agricultural activity is not considered
substantial ground disturbance and many sites have been identified in previously cultivated land.

have any questions concerning archeology, please contact MICHAEL SCHIFFERLI at 518-237-8643. ext

**BUILDINGS/STRUCTURES/DISTRICTS
EVALUATION COMMENTS**

PROJECT NUMBER 02PR03805

**(South Troy Riverfront Bikeway/Walkway/Between Water Street and Federal
Street/C/
TROY)**


- Based upon a review of the information submitted and the scope of the project described, the NYS Office of Parks, Recreation and Historic Preservation has no concerns regarding historic buildings/structures/districts within your project area.
- The following State/National Registers of Historic Places listed/eligible property/district is located within or adjacent to your project area. However, given the scope of the project, the NYS Office of Parks, Recreation and Historic Preservation has no concerns regarding historic buildings/structures/districts within your project area.

* Archaeology comments will be provided in a separate attachment.

If you have any questions concerning this information, please call PETER SHAVER at 518-237-8643. ext 3264

**PLEASE BE SURE TO REFER TO THE PROJECT NUMBER NOTED ABOVE WHEN
RESPONDING TO THIS REQUEST**

RECEIVED
JUL 14 2002

New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

July 10, 2003

Wayne E. Bonesteel
Erdman Anthony and Associates
317 Brick Church Rd
Troy, New York 12180-8112

Re: SEORA
South Troy Riverfront Bikeway/Walkway/
between Water Street and Federal Street
Troy, Rensselaer County
02PR03805

Dear Mr. Bonesteel:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP) concerning your project's potential impact/effect upon historic and/or prehistoric cultural resources. Our staff has reviewed the documentation that you provided on your project. Preliminary comments and/or requests for additional information are noted on separate enclosures accompanying this letter. A determination of impact/effect will be provided only after ALL documentation requirements noted on any enclosures have been met. Any questions concerning our preliminary comments and/or requests for additional information should be directed to the appropriate staff person identified on each enclosure.

In cases where a state agency is involved in this undertaking, it is appropriate for that agency to determine whether consultation should take place with OPRHP under Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law. In addition, if there is any federal agency involvement, Advisory Council on Historic Preservation's regulations, "Protection of Historic and Cultural Properties" 36 CFR 800 requires that agency to initiate Section 106 consultation with the State Historic Preservation Officer (SHPO).

When responding, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,



Ruth L. Pierpont
Director

RLP:cmp

RECEIVED
JUL 1 1983

New York State Office of Parks, Recreation and Historic Preservation
1600 Park Avenue
Albany, New York 12242-0500

Archeology Comments


02PR3805

The Office of Parks, Recreation and Historic Preservation (OPRHP) has reviewed the Phase IA submitted for this project. The OPRHP concurs with the recommendations regarding the need for Phase IB in selected areas and addressing the documentation of the brick feature south of the jail if it is to be filled.

If you have any questions, please contact Cynthia Blakemore (518) 237-8643, extension 3288.

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP) concerning your project's historical significance and historic resources. Our staff has reviewed the documentation that you provided on your project. Preliminary comments and reports for additional information are noted on separate enclosures accompanying this letter. A determination of significance will be provided only after ALL documentation requirements have been met. Any questions concerning the preliminary comments and/or requests for additional information should be directed to the appropriate staff person identified on each enclosure.

In cases where a staff agency is involved in the undertaking, it is appropriate for that agency to determine whether consultation should take place with CHSHP under Section 14.02 of the New York State Parks, Recreation and Historic Preservation Law. In addition, it may be necessary to consult with the State Historic Preservation Commission (SHPC) and the State Historic Preservation Office (SHPO) in Albany, New York. For more information, please refer to the OPRHP Project Review (PR) manual.

Sincerely,

Robert L. Tabor
Director

RLT:mp



New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Pebbles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

June 10, 2004

RECEIVED

Wayne E. Bonesteel
Erdman Anthony and Associates, Inc.
317 Brick Church Road
Troy, New York 12180-8112

Re: SEORA
South Troy Riverfront Bikeway/Walkway
between Water Street and Federal Street
Troy, Rensselaer County
02PR03805

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project. Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

The SHPO has reviewed the Phase IB report for this project. It is our understanding that the features identified will be avoided through permanent fencing.

Therefore it is the opinion of the SHPO that the project will have No Effect on historic properties in or eligible for inclusion in the State and National Registers of Historic Places.

If you have any questions, please call me at (518) 237-8643, extension 3288.

Sincerely,

Cynthia Blakemore
Historic Preservation Program Analyst

CMB:bsa

ERDMAN
ANTHONY



July 17, 2002

Permit Administrator
New York State Department of Environmental Conservation
Division of Environmental Permits
Region 4
1150 North Westcott Road
Schenectady, New York 12306

**Re: City of Troy
South Troy Riverfront Bikeway/Walkway**

Dear Sir or Madam:

On behalf of the City of Troy, this office is currently assembling documentation for an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, for the above referenced project.

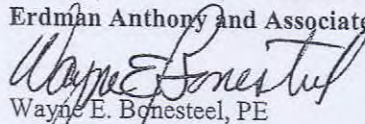
The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

At this time, we respectfully request that your office review any available material concerning state-regulated wetlands adjacent to the subject parcel. Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext-21.

Sincerely,
Erdman Anthony and Associates, Inc.


Wayne E. Bonesteel, PE
Senior Associate

Enclosure



Employee Owned - Quality Driven
317 Brick Church Road, Troy, NY 12180-8112
Telephone 518 279 0505 : Facsimile 518 279 0555
www.erdmananthony.com

Y York State Department of Environmental Conservation
Division of Environmental Permits, Region 4

North Westcott Road, Schenectady, New York 12306-2014
Tel: (518) 357-2069 • FAX: (518) 357-2460

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

July 25, 2002

RECEIVED

JUL 26 2002

Mr. E. Bonesteel P.E.
Senior Associate
John Anthony
Brick Church Road
Troy, N.Y. 12180-8112

RE: Bike/Walkway Water to Federal Street, Troy

Mr. Bonesteel:

There are no wetlands on the official the Freshwater Wetlands Map for Rensselaer County (Section 10 of 22, section enclosed), between First Street and the Hudson River to the west. There have been no wetlands identified which are regulated pursuant to Article 24 of the Freshwater Wetlands Act.

There may be unmapped wetlands subject to regulation pursuant to Article 15, Protection of Waters below mean high water (or tide) in the Wynantskill, Poestenkill and Hudson River. The areas, I would suspect, will also be subject to regulation as waters of the US by Section 404 administered by the US Army Corps of Engineers.

The site proposed has, as I recall, an industrial history. The importance of any cultural resources on site will depend on how much disturbance occurred and if the old industry was significant to the City's history. Additionally it is often a good idea to research the history, and to sample soils on old industrial sites looking for contamination.

Should the City choose to seek SEQRA lead agency for this project the Department consents to the designation.

Sincerely,

A. N. Henningson
Division of Environmental Permits
Region 4



Rensselaer County

Map 10 of 22

This map was promulgated, pursuant to Article 24 of the Environmental Conservation Law (The Freshwater Wetlands Act) on March 26, 1983, by the Commissioner of New York State Department of Environmental Conservation.

LEGEND:

- Approximate wetland boundary
- Upland inclusion
- AA-00 Wetland identification code

NOTES:

This map indicates the approximate location of the actual boundaries of wetlands regulated according to the Freshwater Wetlands Act.

Map information other than the wetland boundaries was prepared by the New York State Department of Transportation and the United States Geological Survey. The additional information provided on the map is for reference only. Marsh symbols do not necessarily indicate the location of a regulated wetland.

Adjacent areas of the regulated wetland within 100 feet of the boundary of the wetland. These areas are subject to regulation pursuant to the Freshwater Wetlands Act but are not delineated on this map. An adjacent area may be extended by special order of the Commissioner of the New York State Department of Environmental Conservation to the local regulatory authority.

Copies of Freshwater Wetlands Maps are available from the regional offices of the Department of Environmental Conservation. Maps are available for inspection at the regional offices and local government clerk's offices.

REVISIONS

Date Wetland # Description of change

Date	Wetland #	Description of change



ERDMAN
ANTHONY



July 17, 2002

FOIL Officer
NYSDEC - Region 4
1150 North Westcott Road
Schenectady, New York 12306

**Re: Freedom of Information Request
City of Troy
South Troy Riverfront Bikeway/Walkway**

Dear Sir or Madam:

On behalf of the City of Troy, under the Freedom of Information Act (FOIA), Erdman, Anthony and Associates, Inc., is hereby applying to obtain copies of any information of records, which your office may have regarding the area listed below.

The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

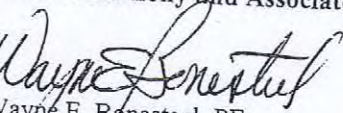
Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

We are interested in any PBS (tank removals, tank closure reports), Air or Hazardous Waste permits, dumping, waste sites, site inspection reports, hazardous waste investigations or complaints at the properties.

If the requested files are extensive, please contact us to schedule a visit to the Region 4 office. If you have any questions concerning this application, please feel free to contact Melanie Osterhout at (518) 279-0505 ext-21. Thank you in advance for your assistance in this matter.

Very truly yours,
Erdman Anthony and Associates, Inc.


Wayne E. Bonesteel, PE
Senior Associate

Enclosure

Employee Owned - Quality Driven
317 Brick Church Road, Troy, NY 12180-8112
Telephone 518 279 0505 : Facsimile 518 279 0555
www.erdmananthony.com

**New York State Department of Environmental Conservation
DIVISION OF LAW ENFORCEMENT**

Eastern District Office

1150 North Westcott Road, Schenectady, New York 12306-2014

Phone: (518) 357-2035 • FAX: (518)357-2260

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

RECEIVED

AUG 20 2002

August 16, 2002

Mr. Wayne E. Bonesteel, PE
Erdman Anthony and Associates, Inc.
317 Brick Church Road
Troy, New York 12180-8112

SUBJECT: FOIL Request #2002-235

Dear Mr. Bonesteel:

Pursuant to the Freedom of Information Law Request #2002-235, we do not have any records pertaining to the area located between Water Street and Federal Street, to the west of First Street in Rensselaer Co., Troy, New York.

If you have further questions, please contact me at (518) 357-2035.

Sincerely,

Major Walter Heinrich
Division of Law Enforcement
Eastern District Office

WH:jh

cc: R. Williams
R. Earl
T. Mauceri-Reg. 4 Foil Coordinator



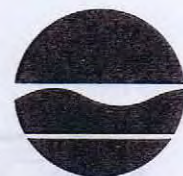
FIGURE II-2
SITE PLAN LOCATION
 USGS TROY SOUTH, NEW YORK QUADRANGLE
 SCALE: 1" = 2500'

**New York State Department of Environmental Conservation
Freedom of Information Office, Region 4**

1150 North Westcott Road, Schenectady, New York 12306-2014

Phone: (518) 357-2046 · FAX: (518) 357-2593

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

RECEIVED

JUL 29 2002

July 25, 2002

Wayne E. Bonesteel, P.E.
Erdman Anthony and Associates, Inc
317 Brick Church Road
Troy, NY 12180-8112

Dear Mr. Bonesteel:

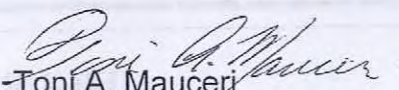
I am in receipt of your Freedom of Information Law (FOIL) Request No. **2002-235** regarding **South Troy Riverfront Bikeway / Walkway**.

DEC staff are searching the files for the records and anticipate, but do not guarantee, providing you with all or some of the records on or about August 12, 2002.

Please call me at the number above on that date to determine whether the files are ready for your review. Upon completion of our search, you may schedule an appointment to review the files within the availability period of 30 days. Files are then generally returned to the respective DEC programs at the end of the 30-day period.

Additional information regarding New York State FOIL procedures may be obtained at www.dec.state.ny.us/foil/foil.html.

Sincerely


Toni A. Mauceri
FOIL Coordinator

□



FIGURE II-2
SITE PLAN LOCATION

USGS TROY SOUTH, NEW YORK QUADRANGLE

SCALE: 1" = 2500'

July 17, 2002

Freedom of Information Officer
U.S. EPA Region 2
290 Broadway, 26th Fl.
New York, NY 10007-1866

**Re: Freedom of Information Request
City of Troy
South Troy Riverfront Bikeway/Walkway**

Dear Information Officer:

On behalf of the City of Troy, under the Freedom of Information Law (FOIL), Erdman, Anthony and Associates, Inc., is hereby applying to obtain copies of any information of records, which your office may have regarding the parcel listed below.

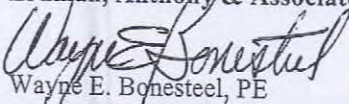
The project will include construction of approximately 2.5 miles of bikeway/walkway and improvements to approximately 1 mile of existing bikeway/walkway within a 20' wide easement area. The construction activities will include the necessary grading and paving for the approximately 10' wide trail construction. The improvement activities will include striping, signage, and pavement repair. The area is located between Water Street and Federal Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Bikeway/Walkway Beginning Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

Bikeway/Walkway Ending Coordinates NAD 27: N 42° 44' 3.48"
W 73° 41' 24.36"

We are interested in any Air or Hazardous Waste permits, reports of spills, aboveground or underground storage tanks, dumping, waste sites, site inspection reports, hazardous waste investigations or complaints at the above parcel. If you have any questions concerning this application, please feel free to contact Melanie Osterhout at (518) 279-0505 ext-21. Thank you in advance for your assistance in this matter.

Very truly yours,
Erdman, Anthony & Associates


Wayne E. Bonesteel, PE
Senior Associate

Enclosure





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPA Region 2, 290 Broadway, 26th Floor (CD)
NEW YORK, NY 10007



Request Acknowledgment

July 24, 2002

RECEIVED
JUL 26 2002

Mr. WAYNE BONESTEEL
ARDMAN ANTHONY
17 BRICK CHURCH RD
Troy, NY 12180

Re: Freedom of Information Act (FOIA), 5 U.S.C. 552
Request No. **02-RIN-01987-02**

Dear Mr. WAYNE BONESTEEL,

Thank you for your FOIA request, dated July 17, 2002, and received in this office on July 22, 2002, for records related to CITY OF TROY SOUTH TROY RIVERFRONT BIKEWAY/WALKWAY. The Agency has twenty (20) working days to respond to your request, except when unusual circumstances exist that would require an extension of time under 5 U.S.C. 552(a)(6)(B). We hope to respond to you soon. In the interim, please contact us if you have any questions about your request. Please cite your FOIA request number in all communications.

Sincerely,

Freedom of Information Officer 2CD
Office: (212)637-3668
Fax: (212)637-5046

[Handwritten signature]
Barry J. [unclear]
EPA Region 2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

OCT - 1 2002

RECEIVED

OCT 03 2002

Mr. Wayne E. Bonesteel, PE
Senior Associate
Erdman, Anthony & Associates
317 Brick Church Road
Troy, NY 12180-8112

Re: Freedom of Information Request No. (2)RIN-01987-02
Dated: July 17, 2002

Dear Mr. Bonesteel:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request. In addition, you may also receive information from other program areas within this Regional Office.

We were unable to find any hazardous waste (RCRA) information concerning South Troy Riverfront Bikeway/Walkway located between Water Street, and Federal Street, to the west of First Street in Troy, Rensselaer County, New York. For further information on Underground Storage Tanks (USTs), please contact the State of New York on the enclosed address as it is responsible for keeping records, and tracking incidents related to USTs.

If you consider this response to be a denial, you may appeal it by addressing your written appeal to the HQ FOIA Operations Staff, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460.

Also, RCRA information is available on the Internet as described on the enclosed sheet.

Please include the above referenced request number in any subsequent communication relating to this request.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Barry Tornick".

Barry Tornick, Acting Chief
RCRA Programs Branch

Enclosure

Environmental Protection Agency Internet

Internet - Region 2

Region 2 provides an increasing amount of Environmental media information, and other Regional Activities via Internet at <http://www.epa.gov>. Recently, Region 2 has provided a Freedom of Information Act (FOIA) specific page <http://www.epa.gov/region2/foia.htm> which offers many media programs, currently focusing on RCRA data. Through this FOIA page, you can learn about each media Program, associated databases, and special points of interest. Of particular interest is the ability to "directly download" all of the most commonly requested Region 2 ASCII and Flat File RCRA FOIA reports - all compressed for quicker downloading.

Also found on the FOIA site are direct links to the **Envirofacts** and **RTK Net** public access databases. Both house Environmental media data from EPA National Databases, and are specifically designed for public use. Both have on-line query capabilities for facility specific information.

For specific FOIA requests will be honored by directly writing to Region 2, and more specific questions regarding the RCRA Program should be directed to the RCRA Hotline at 1-800-424-

Internet - HQ

HQ provides BRS data cycle instructions, and the data for all completed BRS data cycles at <http://www.epa.gov/epaoswer/hazwaste/data>.

New York State contact for information requests regarding underground storage tanks.

Morris Leno

New York State Department of Environmental Conservation

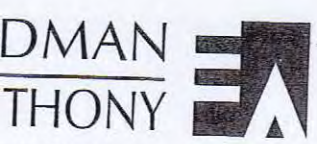
~~Room 326~~

~~50 Wolf Road~~ 625 Broadway

Albany, NY 12233-7250

Telephone # 518-457-4351

COPY 56
COPY



January 16, 2004
Mark VanValkenburg
Chief, Western Section
New York State Department of Health
Bureau of Environmental Exposure Investigation
100 Morgan Square
Troy, New York 12180-2216

South Troy Riverfront Bikeway/Walkway (Main Street-Monroe Street)

Mr. VanValkenburg:

On Tuesday, December 2, 2003, Erdman Anthony and Associates, the City of Troy, NYSDEC, and the NYSDOH met at the site of the South Troy Riverfront Bikeway/Walkway. The bikeway route along several properties was discussed and to provide the NYSDEC and NYSDOH with additional information regarding the bikeway/walkway sites. At that meeting, the NYSDEC requested the collection of two additional samples from the large slag pile near the northern end of the properties in question. Those samples (S-4 and S-5) were collected on December 19, 2003 under the supervision of the NYSDEC. The attached table lists the sampling results. As illustrated these results are consistent with the results obtained from the prior samples taken on September 5, 2003.

At the December 2, 2003 meeting, the NYSDOH stated that their final determination regarding cover material would be contingent on the sample results discussed above and the NYSDEC's opinion. We are requesting the NYSDOH review the attached sample results and notify us with regard to the cover material required. In addition, slag excavation and grading work is being proposed on the Rensselaer County IDA (RCIDA) - "slag main site" and the adjacent Perry portion of the property. The excavated material will be stored on site or used on the RCIDA property. We are requesting the NYSDOH and NYSDEC's opinion regarding the excavation, storage, and use of this material. At this time, additional machine crushing of slag chunks on site is not proposed. However, the City would also like comments regarding adding this to the scope of work. A project "Site Environmental Health and Safety Work Plan" will be prepared, addressing the control of dust on the site.

If you have had the opportunity to review this letter and the enclosed results, please contact Vie Zubkovs at the Planning Department or me with any questions you may have. Thank you in advance for your assistance in this matter.

Sincerely,

E. C. Osterhout, PE

- George Heitzman, NYSDEC
- Michael Komoroske, NYSDEC
- Vie Zubkovs, City of Troy
- Derrick Ring, City of Troy

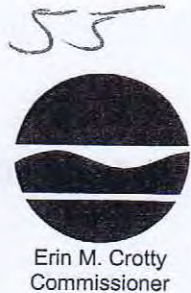
**SOUTH TROY SLAG PILE
SOIL SAMPLING RESULTS (ppm)**

Parameter	Recommended Soil Cleanup Objective	Sample ID				
		S-1	S-2	S-3	S-4	S-5
Arsenic	SB	<0.25	<0.25	<0.25	<0.25	<0.25
Barium	300 or SB	52.0	251	298	262	180
Cadmium	1 or SB	<0.25	<0.25	<0.25	<0.25	<0.25
Chromium	10 or SB*	15.2	<0.25	1.72	4.35	<0.25
Lead	SB**	0.51	<0.25	<0.25	<0.25	<0.25
Selenium	2 or SB	<0.25	<0.25	<0.25	2.52	1.93
Silver	SB**	<1.00	<1.00	<1.00	<1.00	1.76
Mercury	0.1	<0.020	<0.020	<0.020	<0.020	<0.020

*The NYSDEC has stated that the chromium level is in the process of being raised to 50 ppm.

**Site background unknown.

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau D, 12th Floor
Albany, New York 12233-7013
(518) 402-9814 • FAX: (518) 402-9819
www.dec.state.ny.us



DEC - 8 2003

RECEIVED

Ms. Melanie Osterhout, P.E.
Edward Anthony
17 Brick Church Road
Troy, New York 12180-8112

Re: South Troy Industrial Park (DEC Project #B00163-4)

Dear Ms. Osterhout:

This is in response to your October 31, 2003 letter to Mark Van Valkenburg concerning the planned design and construction of the South Troy Riverfront Bikeway. Of the easements listed in your letter, only the Rensselaer County IDA parcel is currently in a Brownfield remedial program with oversight by the DEC. Therefore the following comments relate only to that parcel.

Except as noted below, it appears from visual inspection that the slag pile in the northwest corner of the property is similar to slag that exists throughout the northern portion of the IDA property. The sampling results included in your letter indicate that metal contaminant levels in the slag are below current or proposed soil cleanup guidelines. As a result, the proposed regrading of the slag pile onto the northern portion of the property is not expected to interfere with likely investigation or remediation activities. The DEC requests that grading stakes be placed during the regrading process so that the depth and extent of relocated material can be documented when it is complete.

During the visual inspection of the pile, the DEC noted a layer of fine, light grey material on the top of the pile. Due to the possibility that this may be an ash-derived material and because this is most likely to be released as fugitive dust from the highest on-site location, the DEC requests that this be sampled. As we discussed, two (2) samples should be taken by coring down from the top of the pile. Analysis should be for the eight (8) RCRA metals that were previously evaluated. Please provide me with at least three (3) days advance notice of this sampling.

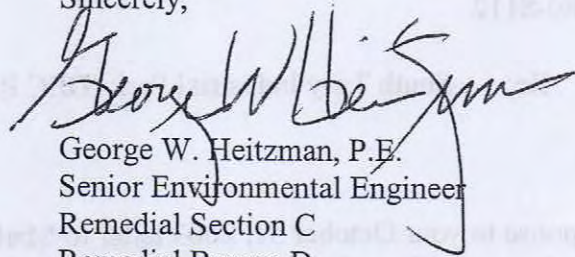
Ms. Melanie Osterhout, P.E.

Page 2

With regard to the proposed 12-inch cover in the bikeway easement, the DEC will evaluate this as an Interim Remedial Measure (IRM) that will enable the re-use of a portion the site in a manner that is protective of public health. After consultation with the Department of Health, the adequacy of the 12-inch cover will be determined.

If you have any additional questions, please contact me at (518) 402-9813.

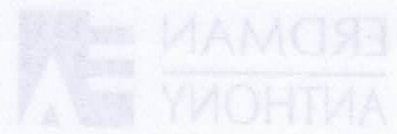
Sincerely,



George W. Heitzman, P.E.
Senior Environmental Engineer
Remedial Section C
Remedial Bureau D
Division of Environmental Remediation

cc: J. Bonesteel - Rensselaer County IDA
V. Zubkovs - City of Troy
F. Ring - City of Troy
M. Van Valkenburg - NYSDOH

3



November 16, 2003

Attn: Consistency Review
New York State Department of State
Division of Coastal Resources
41 State Street - 8th Floor
Albany, NY 12231-0001

Re: P/N 1752.66 - South Troy Riverfront Bikeway/Walkway - Burden Iron Works Museum
WE-2003-0131 (EA)

Dear Sir or Madam:

Burden Iron Works Correspondence

New York. In March 2003, you issued a general concurrence for this project. The Burden Iron Works Museum property and structure improvements is included in the federal funding for the Bikeway/Walkway. This portion of the project was not included in our initial correspondence with you. The Burden Iron Works Museum is located within the coastal zone.

A Design Report (DR) is in the process of being prepared for the proposed bikeway/walkway and Burden Iron Works projects. As stated in previous letters, the bikeway/walkway project will involve the construction of approximately 3.6 miles of bikeway/walkway between the Troy-Mounda bridge and the Green Island Bridge. The bikeway/walkway will consist of one 7 meter (10 ft) wide paved shared bikeway/walkway in most areas. The Burden Iron Works Museum project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, the addition of a handicapped access ramp, and a new handicapped accessible public restroom. Roof repair will include the removal of existing asphalt shingle roof and metal flashing and the installation of new clay tile shingle roofing and lead-coated copper flashing. A site location map has been enclosed.

Funding for the bikeway/walkway is as follows: Eighty percent (80%) of the project cost is federally reimbursable through the Transportation Improvement Program (project # R176). The remaining twenty percent (20%) will be funded by the City of Troy. The Burden Iron Works portion of the project will be funded with a combination of grants and matches from the Hudson-Mohawk Industrial Gateway including federal funding in the amount of \$270,000 to be matched and a New York State Office of Parks, Recreation and Historic Preservation/Clean Water Clean Air Bond Act) grant of \$125,000 to be matched.



November 10, 2003

Attn: Consistency Review
New York State Department of State
Division of Coastal Resources
41 State Street – 8th Floor
Albany, NY 12231-0001

Re: PIN 1755.66 – South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum
#F-2003-0131 (FA)

Dear Sir or Madam:

Erdman Anthony and Associates, Inc. has been retained by the City of Troy to complete the preliminary design for a new bikeway/walkway located in the City of Troy, Rensselaer County, New York. In March 2003, you issued a general concurrence for this project. The Burden Iron Works Museum property and structure improvements is included in the federal funding for the Bikeway/Walkway. This portion of the project was not included in our initial correspondence with you. The Burden Iron Works Museum is located within the coastal zone.

A Design Report (DR) is in the process of being prepared for the proposed bikeway/walkway and Burden Iron Works projects. As stated in previous letters, the bikeway/walkway project will involve the construction of approximately 3.6 miles of bikeway/walkway between the Troy-Menands Bridge and the Green Island Bridge. The bikeway/walkway will consist of one 3 meter (10 ft) wide paved shared bikeway/walkway in most areas. The Burden Iron Works Museum project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, the addition of a handicapped access ramp, and a new handicapped accessible public restroom. Roof repair will include the removal of existing asphalt shingle roof and metal flashings and the installation of new clay tile shingle roofing and lead-coated copper flashings. A site location map has been enclosed.

Funding for the bikeway/walkway is as follows: Eighty percent (80 %) of the project cost is federally reimbursable through the Transportation Improvement Program (project # R178). The remaining twenty percent (20 %) will be funded by the City of Troy. The Burden Iron Works portion of the project will be funded with a combination of grants and matches from the Hudson Mohawk Industrial Gateway including federal funding in the amount of \$270,000 to be matched and a New York State Office of Parks, Recreation and Historic Preservation (Clean Water Clean Air Bond Act) grant of \$125,000 to be matched.



NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM
Federal Consistency Assessment Form

Completed Federal Consistency Assessment Form and back up documentation have also been included for your review. Please contact me at the number below if you have any further questions or comments.

Sincerely,

ERDMAN, ANTHONY AND ASSOCIATES, INC.

Stephanie Osterhout, PE
Project Engineer

A. APPLICANT (please print)

1. Name: Hudson Mohawk Industrial Gateway

2. Address: Hudson Iron Works Museum - Foot of Park Street

3. Telephone Area Code (115) 274-2287

B. PROPOSED ACTIVITY

1. Brief description of activity: The Hudson Iron Works Office Building Museum project involves the replacement of the office building foot portion for parking and paving, the installation of a new restroom for the public (within the building), the installation of a handicapped access ramp, and new underground utility installation. This project is a part of the South Troy Riverfront Bikeway Project, which received concurrence from the NYSDES in March 2002.

2. Purpose of activity: The purpose of the activities is to renovate the former facility, The Hudson Iron Works Museum, is included to be a restoration and the facility on the current foot portion of the Hudson Iron Works Museum.

3. Location of activity:

County: _____
City/Town or Village: _____
Foot of Park Street
Street or Site Description: _____

4. Type of federal permit/action required: N.Y.S. Approval

5. Federal application number, if known: _____

6. If state permit/license was issued or is required for the proposed activity, identify the state agency and provide the application or permit number, if known: _____

**NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM
Federal Consistency Assessment Form**

An applicant, seeking a permit, license, waiver, certification or similar type of approval from a federal agency, which is subject to the New York State Coastal Management Program (CMP), shall complete this assessment form for any proposed activity that will occur within and/or directly affect the State's Coastal Area. This form is intended to assist an applicant in certifying that the proposed activity is consistent with New York State's CMP as required by U.S. Department of Commerce regulations (15 CFR 930.57). It should be completed at the time when the federal application is prepared. The Department of State will use the completed form and accompanying information in its review of the applicant's certification of consistency.

A. APPLICANT (please print)

1. Name: Hudson Mohawk Industrial Gateway
2. Address: Burden Iron Works Museum - Foot of Polk Street
3. Telephone: Area Code (518) 274-5267

B. PROPOSED ACTIVITY

1. Brief description of activity: The Burden Iron Works Office Building Museum project involves the replacement of the office building roof, parking lot grading and paving, the installation of a new restroom for the public (within the building), the installation of a handicapped access ramp, and new underground utility installation. This project is a part of the South Troy Riverfront Bikeway Project, which received concurrence from the NYSDOS in March 2003.
2. Purpose of activity: The purpose of the activities is to upgrade the current facilities. The Burden Iron Works Museum is intended to be a destination and rest facility on the proposed Riverfront Bikeway/Walkway.
3. Location of activity:

<u>Rensselaer</u> County	<u>Troy</u> City, Town or Village	<u>Foot of Polk Street</u> Street or Site Description
-----------------------------	--------------------------------------	--
4. Type of federal permit/license required: NEPA Approval
5. Federal application number, if known: _____
6. If a state permit/license was issued or is required for the proposed activity, identify the state agency and provide the application or permit number, if known: _____

COSTAL ASSESSMENT Check either "YES" or "NO" for each of these questions. The numbers following each question refer to the policies described in the CMP document (see footnote on page 3) which may be affected by the proposed activity.

Will the proposed activity <u>result</u> in any of the following:	<u>YES</u>	<u>NO</u>
a. Large physical change to a site within the coastal area which will require the preparation of an environmental impact statement? (11, 22, 25, 32, 38, 41, 43).....	—	<u>X</u>
b. Physical alteration of more than two acres of land along the shoreline, land under water or coastal waters? (2, 11, 12, 20, 28, 35, 44).....	—	<u>X</u>
c. Revitalization/redevelopment of a deteriorated or underutilized waterfront site? (1).....	—	<u>X</u>
d. Reduction of existing or potential public access to or along coastal waters? (19, 20).....	—	<u>X</u>
e. Adverse effect upon the commercial or recreational use of coastal fish resources? (9, 10)..	—	<u>X</u>
f. Siting of a facility essential to the exploration, development and production of energy resources in coastal waters or on the Outer Continental Shelf? (29).....	—	<u>X</u>
g. Siting of a facility essential to the generation or transmission of energy? (27).....	—	<u>X</u>
h. Mining, excavation, or dredging activities, or the placement of dredged or fill material in coastal waters? (15, 35).....	—	<u>X</u>
i. Discharge of toxics, hazardous substances or other pollutants into coastal waters?(8,15,35)	—	<u>X</u>
j. Draining of stormwater runoff or sewer overflows into coastal waters? (33).....	<u>X</u>	—
k. Transport, storage, treatment, or disposal of solid wastes or hazardous materials? (36,39)..	—	<u>X</u>
l. Adverse effect upon land or water uses within the State's small harbors? (4).....	—	<u>X</u>

Will the proposed activity <u>affect</u> or be <u>located</u> in, on, or adjacent to any of the following:	<u>YES</u>	<u>NO</u>
a. State designated freshwater or tidal wetland? (44).....	—	<u>X</u>
b. Federally designated flood and/or state designated erosion hazard area? (11, 12, 17).....	<u>X</u>	—
c. State designated significant fish and/or wildlife habitat? (7).....	—	<u>X</u>
d. State designated significant scenic resource or area? (24).....	—	<u>X</u>
e. State designated important agricultural lands? (26).....	—	<u>X</u>
f. Beach, dune or barrier island? (12).....	—	<u>X</u>
g. Major ports of Albany, Buffalo, Ogdensburg, Oswego or New York? (3).....	—	<u>X</u>
h. State, county, or local park? (19, 20).....	—	<u>X</u>
i. Historic resource listed on the National or State Register of Historic Places? (23).....	<u>X</u>	—

Will the proposed activity require any of the following:	<u>YES</u>	<u>NO</u>
a. Waterfront site? (2, 21, 22).....	—	<u>X</u>
b. Provision of new public services or infrastructure in undeveloped or sparsely populated sections of the coastal area? (5).....	—	<u>X</u>
c. Construction or reconstruction of a flood or erosion control structure? (13, 14, 16).....	—	<u>X</u>
d. State water quality permit or certification? (30, 38, 40).....	—	<u>X</u>
e. State air quality permit or certification? (41, 43).....	—	<u>X</u>

Will the proposed activity occur within and/or affect an area covered by a State approved local waterfront revitalization program? (see policies in local program document).....	<u>YES</u>	<u>NO</u>
	—	<u>X</u>

D. ADDITIONAL STEPS

1. If all the questions in Section C are answered "NO", then the applicant or agency shall complete Section E and submit the documentation required by Section F.
2. If any of the questions in Section C are answered "YES", then the applicant or agent is advised to consult the CMP, or where appropriate, the local waterfront revitalization program document*. The proposed activity must be analyzed in more detail with respect to the applicable state or local coastal policies. On a separate page(s), the applicant or agent shall; (a) identify, by their policy numbers, which coastal policies are affected by the activity, (b) briefly assess the effects of the activity upon the policy; and, (c) state how the activity is consistent with each policy. Following the completion of this written assessment, the applicant or agency shall complete Section E and submit the documentation required by Section F.

-See Attached

E. CERTIFICATION

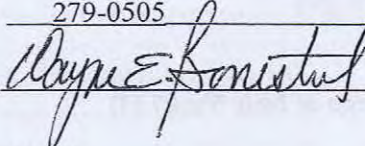
The applicant or agent must certify that the proposed activity is consistent with the State's CMP or the approved local waterfront revitalization program, as appropriate. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program, or with the applicable approved local waterfront revitalization program, and will be conducted in a manner consistent with such program."

Applicant/Agent's Name: Wayne E. Bonesteel, PE – Erdman, Anthony & Associates, Inc.

Address: 317 Brick Church Road, Troy, NY 12180

Telephone: Area Code (518) 279-0505

Applicant/Agent's Signature:  Date: 11/10/03

F. SUBMISSION REQUIREMENTS

1. The applicant or agent shall submit the following documents to the New York State Department of State, Division of Coastal Resources, 41 State Street – 8th Floor, Albany, New York 12231.
 - a. Copy of original signed form.
 - b. Copy of the completed federal agency application.
 - c. Other available information which would support the certification of consistency.
2. The applicant or agent shall also submit a copy of this completed form along with his/her application to the federal agency.
3. If there are any questions regarding the submission of this form, contact the Department of State at (518) 474-6000.

* These state and local documents are available for inspection at the offices of many federal agencies, Department of Environmental Conservation and Department of State regional offices, and the appropriate regional and county planning agencies. Local program documents are also available for inspection at the offices of the appropriate local government.

Attachment to Federal Consistency Assessment Form

The Burden Iron Works Museum project affects three items listed on the Federal Consistency Assessment Form (FCAF). The first question which was responded to in the affirmative was:

- **Will the proposed activity result in draining of stormwater runoff or sewer overflows into coastal waters?**

The Burden Iron Works Museum project will involve the addition of a 50-car parking lot. As part of the project, a new storm sewer collection system for drainage of the paved areas and building roof will be installed. This system will eventually empty into the city system which outlets to the Hudson River. The quantity of additional runoff created by this project is expected to have a minimal effect on overall stormwater quality.

The second question which was responded to in the affirmative was:

- **Will the proposed activity affect or be located in, on or adjacent to federally designated flood and/or state designated erosion hazard area?**

The Burden Iron Works Museum project will involve work within the flood zone. This work will include:

- ❖ Site work including excavation, rough grading and paving for a new 50 car parking lot and vehicle drop-off ;
- ❖ New curbing on the north side of the parking lot and sidewalks extending to the main entrance on the south side and an Americans with Disabilities Act (ADA) entrance on the northeast side;
- ❖ New utilities including extending the sanitary sewer line to the existing sewer in the north access road, and a new storm sewer collection system for drainage of the paved areas and building roof will be installed.; and
- ❖ The overhead electrical service will be changed to underground service and new seeded areas and landscaping will be provided.

The above site work will require the addition of little fill within the flood zone. The fill necessary for the above site work is not expected to significantly effect the flood zone. The tie-in to the City sanitary sewer system will prevent the continued use of a septic system within the flood zone.

The final question which was responded to in the affirmative was:

- **Will the proposed activity affect or be located in, on, or adjacent to historic resource listed on the National or State Register of Historic Places?**

The Burden Iron Works Museum is on the National Register of Historic Places. A portion of this project is funded by the New York State Office of Parks, Recreation and Historic Preservation (Clean Water Clean Air Bond Act). Building and site modifications will be reviewed by the New York State Office of Parks, Recreation and Historic Preservation prior to preliminary design approval. The work planned is to prolong the life of the building, replace asphalt shingles with roof tiles similar to the original roof materials, and improve the site conditions to provide better access to the facility. This project will be a positive impact on the Burden Iron Works Museum.

ERDMAN
ANTHONY



January 9, 2004

New York State Department of State
Division of Coastal Resources
41 State Street
Albany, NY 12231-0001

Re: PIN 1755.66 – South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum
File # - F-2003-0131(FA)

Dear Sir or Madam:

On November 10, 2003, Erdman Anthony and Associates, Inc. sent you a letter regarding proposed work on the Burden Iron Works Museum property. Upon your review of the letter, you raised several questions regarding the work proposed on the museum property. The following is a listing of your questions and the corresponding answers.

- What is the total acreage of disturbance and will the phase II requirements be complied with? **31,000 sf (less than 1 acre) will be disturbed for the Burden Iron Works project. Phase II storm water permitting is therefore not required. Site work will comply substantially with City of Troy code and New York State Department of Transportation Standard Specifications, dated Jan. 2, 1995.**
- How will the storm water from the parking lot be handled? **A meeting with the City of Troy utilities department has not been held, however, the following is preliminarily planned: Two catch basins are proposed for the parking lot, both in grass areas. In addition, a small sand filter peripherally around the catch basins is proposed. This would treat runoff for the smaller runoff events before surcharging 0.10' or so into the grate at the surface.**
- How much grading/fill will be done in the parking lot area and what is the volume of fill? **1100 cy of gravel for the parking lot sub base, 380 cy of pavement, and 30 cy of concrete sidewalk are planned to be used on site. The only grading proposed outside of the parking lot area is for narrow trenching for sanitary sewer and storm drainage.**

Please contact me at the number below if you have any further questions or comments. Thank you for your assistance in this matter.

Sincerely,

ERDMAN, ANTHONY AND ASSOCIATES, INC.

Melanie Osterhout, P.E.
Project Engineer

Enc.

c: Walt VanDeloo, PE, City of Troy
Frederick Ring, City of Troy



COPY



20

RECEIVED

STATE OF NEW YORK
DEPARTMENT OF STATE
41 STATE STREET
ALBANY, NY 12231-0001

GEORGE E. PATAKI
GOVERNOR

January 13, 2004

RANDY A. DANIELS
SECRETARY OF STATE

Melanie Osterhout
John Anthony
Brick Church Road
New York 12180-8112

Re: F-2003-0131 FA (Modification)
U.S. Department of Transportation - FHWA/TIP #R178
City of Troy - South Troy Riverfront Bikeway/Walkway
City of Troy, Rensselaer County
PIN 1755.66

General Concurrence - Modification To Previously Reviewed Activity

Ms. Osterhout:

The Department of State received your proposed modification of the above-referenced activity on November 13, 2003, and additional requested information on January 12, 2004. The Department previously reviewed the original proposal and concurred with your consistency certification that the proposed financial assistance activity is consistent with the Federal Highway Administration is consistent with the NYS Coastal Management Program.

The proposed modification would include the Burden Iron Works Museum property and structure improvements and request for federal financial assistance for the South Troy Riverfront Bikeway/Walkway.

The Department of State has determined that this modification of the activity previously reviewed by this Department would not result in coastal zone effects that would be substantially different than those originally reviewed by the Department, and that the modified proposal meets the Department's general consistency certification criteria. Therefore, further Department of State review of this modification to the previously reviewed activity is not required.

If you are communicating with us regarding this matter, please contact Vance A. Barr at (518) 402-3399 and refer to file #F-2003-0131 FA.

Sincerely,

William Feldhusen
Coastal Resource Specialist
Consistency Review and Analysis

FHWA - Robert Arnold

October 20, 2003

United States Department of the Interior
Fish & Wildlife Service
3817 Luker Road
Cortland, New York 13045

**Re: South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum Project
City of Troy, Rensselaer County, New York**

Dear Sir or Madame:

On July 17, 2002, Erdman Anthony and Associates, Inc. sent you a letter requesting information regarding the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. In conjunction with the Riverfront Bikeway/Walkway, we are currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the Burden Iron Works Museum Project.

The project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, and construction of a handicapped access ramp. The project site is located on the East Industrial Parkway, north of Main Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Burden Iron Works Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

At this time, we respectfully request that your office review any available material concerning the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext. 21.

Sincerely,
ERDMAN, ANTHONY AND ASSOCIATES, INC.



Melanie Osterhout, PE

Enclosure





United States Department of the Interior

FISH AND WILDLIFE SERVICE

3817 Luker Road
Cortland, NY 13045



RECEIVED
NOV 10 2003

November 3, 2003

Ms. Melanie Osterhout, PE
Melman, Anthony and Associates, Inc.
7 Brick Church Road
Troy, NY 12180-8112

Dear Ms. Osterhout:

This response responds to your letter of October 20, 2003, requesting information on the presence of endangered or threatened species in the vicinity of the proposed South Troy Riverfront Walkway/Walkway - Burden Iron Works Museum Project in the City of Troy, Rensselaer County, New York.

Except for occasional transient individuals, no Federally listed or proposed endangered or threatened species under our jurisdiction are known to exist in the project impact area. In addition, no habitat in the project impact area is currently designated or proposed "critical habitat" in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended; U.S.C. 1531 et seq.). Therefore, no Biological Assessment or further Section 7 consultation under the Endangered Species Act is required with the U.S. Fish and Wildlife Service (Service). Should project plans change, or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered.

The above comments pertaining to endangered species under our jurisdiction are provided pursuant to the Endangered Species Act. This response does not preclude additional Service comments under other legislation.

For additional information on fish and wildlife resources or State-listed species, we suggest you contact the appropriate New York State Department of Environmental Conservation regional office(s) as shown on the enclosed map, and:

New York State Department of Environmental Conservation
New York Natural Heritage Program Information Services
625 Broadway
Albany, NY 12233
(518) 402-8935

If culverts or bridges may be involved in the proposed project, the Service suggests that you consider methods for enhancing fish and wildlife use of culverted waterways. We generally recommend that box culverts be used rather than circular culverts to convey stream flow. Box

culverts are more likely than circular culverts to duplicate existing flows and allow normal fish passage (Warren and Pardew 1998). In addition, streambed conditions can be better replicated within box culverts to create aquatic habitat, and benches can be installed along one or both sides of the culvert or bridge to allow for dry passage of wildlife during high water periods (Jackson and Griffin 1998, Bates 1999).

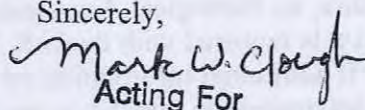
Since wetlands may be present, you are advised that National Wetlands Inventory (NWI) maps may or may not be available for the project area. However, while the NWI maps are reasonably accurate, they should not be used in lieu of field surveys for determining the presence of wetlands or delineating wetland boundaries for Federal regulatory purposes. Copies of specific NWI maps can be obtained from:

Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca, NY 14853
(607) 255-4864

Work in certain waters and wetlands of the United States may require a permit from the U.S. Army Corps of Engineers (Corps). If a permit is required, in reviewing the application pursuant to the Fish and Wildlife Coordination Act, the Service may concur, with or without stipulations, or recommend denial of the permit depending upon the potential adverse impacts on fish and wildlife resources associated with project implementation. The need for a Corps permit may be determined by contacting the appropriate Corps office(s) as shown on the enclosed map.

If you require additional information please contact Michael Stoll at (607) 753-9334.

Sincerely,



Mark W. Clough
Acting For

David A. Stilwell
Field Supervisor

Literature Cited:

- Bates, K. 1999. Fish passage design at road culverts: a design manual for fish passage at road crossings. Washington Department of Fish and Wildlife, Habitat and Lands Program, Environmental Engineering Division, Olympia, WA.
- Jackson, S.D. and C.R. Griffin. 1998. Toward a practical strategy for mitigating highway impacts on wildlife. Proceedings of the International Conference on Wildlife Ecology and Transportation, Fort Myers, FL, USA, February 10-12, 1998, pp. 17-22.
- Warren, M.L., Jr. and M.G. Pardew. 1998. Road crossings as barriers to small-stream fish movement. Transactions of the American Fisheries Society 127:637-644.

Additional information referred to above may be found on our website at:
[p://nyfo.fws.gov/es/esdesc.htm](http://nyfo.fws.gov/es/esdesc.htm).



October 30, 2003

NYSDEC - Information Services
NY Natural Heritage Program
625 Broadway, 7th Floor
Albany, New York 12242-4752

Re: South Troy Riverbank Walkway/Walkway - Garden Park Works Mitigation Project
City of Troy, Rensselaer County, New York

Dear Sir or Madam:

On July 17, 2003, Erdman Anthony and Associates, Inc. sent you a letter requesting information regarding the location of existing and/or proposed parcels, or significant habitat in the vicinity of the project area. In conjunction with the Riverbank Walkway/Walkway, we are currently reviewing documents for both an EIS (Full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a WQA Environmental Assessment Report for the Garden Park Works Mitigation Project.

The project will include construction of a 20-car parking lot, underground utility repair and replacement, roof repair and replacement and construction of a landscaped access ramp. The project site is located on the East Industrial Parkway north of Main Street in the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy Local USGS Map.

Garden Park Works Coordinates (NAD 83): N 42° 43' 73"
W 73° 43' 8"

As the time we respectfully request that when office review any available materials concerning the location of existing and/or proposed parcels, or significant habitat in the vicinity of the project area. Your written response to the extent including copies of documents regarding a project, would you have any questions, or require additional information, please feel free to call Michael Gaudreau at (518) 279-4900 ext. 23.

Sincerely,
ERDMAN ANTHONY AND ASSOCIATES, INC.

Michael Gaudreau, ES

Enclosure





October 20, 2003

NYSDEC – Information Services
NY Natural Heritage Program
625 Broadway, 5th Floor
Albany, New York 12233-4754

**Re: South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum Project
City of Troy, Rensselaer County, New York**

Dear Sir or Madame:

On July 17, 2002, Erdman Anthony and Associates, Inc. sent you a letter requesting information regarding the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. In conjunction with the Riverfront Bikeway/Walkway, we are currently assembling documentation for both an EAF (full Environmental Assessment Form), as per the New York State Environmental Quality Review Act, and a NEPA Environmental Assessment Report for the Burden Iron Works Museum Project.

The project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, and construction of a handicapped access ramp. The project site is located on the East Industrial Parkway, north of Main Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Burden Iron Works Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

At this time, we respectfully request that your office review any available material concerning the location of endangered and or threatened species, or significant habitat in the vicinity of the project area. Your written response to this matter including copies of relevant mapping is appreciated. Should you have any questions, or require additional information, please feel free to call Melanie Osterhout at (518) 279-0505 ext. 21.

Sincerely,
ERDMAN, ANTHONY AND ASSOCIATES, INC.

Melanie Osterhout, PE

Enclosure



New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
25 Broadway, 5th floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • FAX: (518) 402-8925
Website: www.dec.state.ny.



Erin M. Crotty
Commissioner

RECEIVED
NOV 04 2003

November 2, 2003

Melanie Osterhout
Cardman Anthony and Associates
17 Brick Church Road
Troy, NY 12180-8112

Dear Ms. Osterhout:

In response to your recent request, we have reviewed the New York Natural Heritage program database with respect to an Environmental Assessment for the proposed Burden Iron Works Museum Project, area as indicated on the map you provided, located on East Industrial Parkway in the City of Troy, Rensselaer County.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered sensitive and may not be released to the public without permission from the New York Natural Heritage Program.

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

Sincerely,

Heidi Kraehling
Heidi J. Kraehling, Information Services
NY Natural Heritage Program

ccs.
: Reg. 4, Wildlife Mgr.
Reg. 4, Fisheries Mgr.
Shaun Keeler, Bureau of Fisheries, Albany



Prepared 31 October 2003 by NY Natural Heritage Program, NYS DEC, Albany, New York

This report contains SENSITIVE information that should be treated in a sensitive manner -- Please see cover letter. Refer to the Users' Guide for explanations of codes, ranks, and fields. do not always provide maps of locations of species most vulnerable to disturbance, nor of some records whose locations and/or extents are not precisely known or are too large to display.

County Town	Scientific Name, COMMON NAME, & Group Name	NY Legal Status, Heritage Ranks, & Federal Status	EO Rank & Last Seen	Detailed Location	General Habitat and Quality	Office Use
RENSSELAER CITY OF TROY	<i>Carex merritt-fernaldisii</i> FERNALDIS SEDGE Vascular Plant	THREATENED G5 S2S3	H NO DATE	TROY Troy.		4207366
	<i>Carex nigra</i> BLACK SEDGE Vascular Plant	ENDANGERED G5 SH	H 1836	TROY Wet soil. Troy.	Wet soil.	4207366
	<i>Chenopodium rubrum</i> RED PIGWEED Vascular Plant	THREATENED G5 S2	H 1836-PRE	TROY Waste places, Troy.	Waste places.	4207366
	<i>Crotalaria sagittalis</i> RATTLEBOX Vascular Plant	ENDANGERED G5 S1	H 1924-PRE	TROY Troy.		4207366
	<i>Physalis virginiana</i> VIRGINIA GROUND-CHERRY Vascular Plant	ENDANGERED G5 SH	H NO DATE	TROY Vicinity of Troy.		4207366

... as species most vulnerable to disturbance, nor (1) some records whose locations and/or extents are not precisely known or are too large to display.

County Town	Scientific Name, COMMON NAME, & Group Name	NV Legal Status, Heritage Rank, & Federal Status	EO Rank & Last Seen	Detailed Location	General Habitat and Quality	Office Use
ALBANY, RENNELAER						
CITY OF ALBANY, CITY OF TROY, CITY OF						
RENNELAER, EAST						
GREENBUSH, GREEN ISLAND, BETHLEHEM, COLONIE,						
<i>Anodonta imbecilis</i> ALEWIFE FLOATER Bivalve Mollusc	UNPROTECTED G5 S1S2	C 1984-FA	HUDSON RIVER TROY TO ALBANY Surveys were between the Federal Dam in Troy and the Port of Albany.	A long stretch of a river.	4207366	
COLUMBIA, PUTNAM, RENNELAER, ROCKLAND, ORANGE, NEW YORK, DU MOUNT PLEASANT, SAUGERTIES, BETHLEHEM, CITY OF RENNELAER, CITY OF NEW YORK, FISHKILL, CITY OF NEW Y	ENDANGERED G3 S1 LE		HUDSON RIVER The lower Hudson River from The Battery in New York City at its junction with Upper New York Bay, upstream to the Federal Dam in Troy and a portion of Schodack Creek.	A long tidal river representing the Lower Hudson River. The river constitutes the lower part of a 315 mile stream system. It is fed upstream by two large main channel streams, which provide 80% of the freshwater input, and numerous other smaller site	4107368	
<i>Acipenser brevirostrum</i> SHORTNOSE STURGEON Fish						
RENNELAER CITY OF TROY						

USERS GUIDE TO NY NATURAL HERITAGE DATA

NATURAL HERITAGE PROGRAM: The Natural Heritage Program is an ongoing, systematic, scientific inventory whose goal is to compile and maintain data on the rare plants and animals native to New York State, and significant ecological communities. The data provided in the report facilitate so planning, conservation, and natural resource management and help to conserve the plants, animals and ecological communities that represent New York natural heritage.

DATA SENSITIVITY: The data provided in the report are ecologically sensitive and should be treated in a sensitive manner. The report is for your house use and should not be released, distributed or incorporated in a public document without prior permission from the Natural Heritage Program.

NATURAL HERITAGE REPORTS (may contain any of the following types of data):

COUNTY NAME: County where the occurrence of a rare species or significant ecological community is located.

TOWN NAME: Town where the occurrence of a rare species or significant ecological community is located.

USGS 7 1/2 TOPOGRAPHIC MAP: Name of 7.5 minute US Geological Survey (USGS) quadrangle map (scale 1:24,000).

SIZE (acres): Approximate acres occupied by the rare species or significant ecological community at this location. A blank indicates unknown size.

SCIENTIFIC NAME: Scientific name of the occurrence of a rare species or significant ecological community.

COMMON NAME: Common name of the occurrence of a rare species or significant ecological community.

ELEMENT TYPE: Type of element (i.e. plant, animal, significant ecological community, other, etc.)

LAST SEEN: Year rare species or significant ecological community last observed extant at this location.

EO RANK: Comparative evaluation summarizing the quality, condition, viability and defensibility of this occurrence. Use with LAST SEEN.

A-E = Extant: A=excellent, B=good, C=marginal, D=poor, E=extant but with insufficient data to assign a rank of A - D.

F = Failed to find. Did not locate species, but habitat is still there and further field work is justified.

H = Historical. Historical occurrence without any recent field information.

X = Extirpated. Field/other data indicates element/habitat is destroyed and the element no longer exists at this location.

? = Unknown.

Blank = Not assigned.

NEW YORK STATE STATUS (animals): Categories of Endangered and Threatened species are defined in New York State Environmental Conservation Law section 11-0535. Endangered, Threatened, and Special Concern species are listed in regulation 6NYCRR 182.5.

E = Endangered Species: any species which meet one of the following criteria:

1) Any native species in imminent danger of extirpation or extinction in New York.

2) Any species listed as endangered by the United States Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

T = Threatened Species: any species which meet one of the following criteria:

1) Any native species likely to become an endangered species within the foreseeable future in NY.

2) Any species listed as threatened by the U.S. Department of the Interior, as enumerated in the Code of the Federal Regulations 50 CFR 17.11.

SC = Special Concern Species: those species which are not yet recognized as endangered or threatened, but for which documented concern exists for their continued welfare in New York. Unlike the first two categories, species of special concern receive no additional legal protection under Environmental Conservation Law section 11-0535 (Endangered and Threatened Species).

P = Protected Wildlife (defined in Environmental Conservation Law section 11-0103): wild game, protected wild birds, and endangered species of wildlife.

U = Unprotected (defined in Environmental Conservation Law section 11-0103): the species may be taken at any time without limit; however a license to take may be required.

G = Game (defined in Environmental Conservation Law section 11-0103): any of a variety of big game or small game species as stated in Environmental Conservation Law; many normally have an open season for at least part of the year, and are protected at other times.

NEW YORK STATE STATUS (plants): The following categories are defined in regulation 6NYCRR part 193.3 and apply to NYS Environmental Conservation Law section 9-1503.

E = Endangered Species: listed species are those with:

1) 5 or fewer extant sites, or

2) fewer than 1,000 individuals, or

3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or

4) species listed as endangered by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with:

1) 6 to fewer than 20 extant sites, or

2) 1,000 to fewer than 3,000 individuals, or

3) restricted to not less than 4 or more than 7 U.S.G.S. 7 and 1/2 minute topographical maps, or

4) listed as threatened by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have:

1) 20 to 35 extant sites, or

2) 3,000 to 5,000 individuals statewide.

itably vulnerable: listed species are likely to become threatened in the near future throughout all or a significant portion of their range in the state if causal factors continue unchecked.
ected; no state status.

STATE STATUS (communities): At this time there are no categories defined for communities.

STATUS (plants and animals): The categories of federal status are defined by the United States Department of the Interior as part of the Endangered Species Act (see Code of Federal Regulations 50 CFR 17). The species listed under this law are enumerated in the Federal Register 88, pp. 39526 - 39527.

To Federal Endangered Species Act status.

element is formally listed as endangered.

element is formally listed as threatened.

element is treated as endangered because of similarity of appearance to other endangered species or subspecies.

element is proposed as endangered.

element is proposed as threatened.

element is a candidate for listing.

element is a full species, all subspecies or varieties are listed as endangered; if the element is a subspecies, the full species is listed as endangered.

The species is formally listed as endangered in part of its range, and as threatened in the other part; or, one or more subspecies or varieties are listed as endangered, and the others are listed as threatened.

The species is formally listed as threatened in part of its range, and as a candidate for listing in the other part; or, one or more subspecies or varieties are listed as threatened, and the others are candidates for listing.

= One or more subspecies or populations of the species is formally listed as threatened, and the others are treated as threatened because of similarity of appearance to the listed threatened subspecies or populations.

Global status: the species is listed in parts of its range and not in others; or, one or more subspecies or varieties is listed, while the others are not.

STATE RANKS (animals, plants, ecological communities and others): Each element has a global and state rank as determined by the Natural Heritage Program. These ranks carry no legal weight. The global rank reflects the rarity of the element throughout the world and the state rank reflects the rarity within New York State. Intraspecific taxa are also assigned a taxon rank to reflect the infraspecific taxon's rank throughout the state. A question mark indicates a question exists about the rank. Range ranks, e.g. S1S2, indicate not enough information is available to distinguish between ranks.

RANK:

1 = Globally imperiled because of extreme rarity (5 or fewer occurrences), or very few remaining acres, or miles of stream) or especially vulnerable to extinction because of some factor of its biology.

2 = Globally imperiled because of rarity (6 - 20 occurrences, or few remaining acres, or miles of stream) or very vulnerable to extinction throughout its range because of other factors.

3 = Rare and local throughout its range (21 to 100 occurrences), or found locally (even abundantly at some of its locations) in a restricted area (e.g. a physiographic region), or vulnerable to extinction throughout its range because of other factors.

4 = Locally secure globally, though it may be quite rare in parts of its range, especially at the periphery.

5 = Regionally secure globally, though it may be quite rare in parts of its range, especially at the periphery.

6 = Locally known, with the expectation that it might be rediscovered.

7 = Presumed to be extinct.

1 = Globally imperiled because of extreme rarity (5 or fewer occurrences, very few remaining individuals, acres, or miles of stream, or some factor of its biology making it especially vulnerable to extinction in New York State.

2 = Globally imperiled because of rarity (6 to 20 occurrences, few remaining individuals, acres, or miles of stream, or factors demonstrably making it very vulnerable in New York State.

3 = Rare and local throughout its range (21 to 100 occurrences, limited acreage, or miles of stream in New York State.

4 = Locally secure in New York State.

5 = Regionally secure in New York State.

6 = Locally known from New York State, but not seen in the past 15 years.

7 = Presumed extirpated from New York State.

8 = Presumed to be extinct in New York State only as a transient migrant.

Codes, where Sx is one of the codes above, are used for migratory animals, and refer to the rarity within New York State of the breeding (B) and the non-breeding populations (N), respectively, of the species.

RANK: The T-ranks (T1 - T5) are defined the same way as the Global ranks (G1 - G5), but the T-rank refers only to the rarity of the taxon.

T5 = See Global Rank definitions above.

Q = A question exists whether or not the taxon is a good taxonomic entity.

Information for use by the Natural Heritage Program.

New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **FAX:** (518) 402-8925
Website: www.dec.state.ny.us



November 25, 2003

RECEIVED
NOV 26 2003

Melanie Ousterhout
Erdman Anthony and Associates, Inc
317 Brick Church Rd
Troy, NY 12180-8112

Dear Ms. Ousterhout:

In response to your recent request, we have reviewed the New York Natural Heritage Program databases with respect to an Environmental Assessment for the proposed South Troy Riverfront Bikeway/Walkway-Burden Iron Works Museum Project, area as indicated on the map you provided, located in the City of Troy, Rensselaer County. Since our response of November 2nd, 2003 which included a printout of element occurrences, we have been advised by our botanist, Stephen Young and our Zoologist, Paul Novak, that it was not necessary to report the species listed on our printout of October 31st, which was attached to our letter of November 2nd.

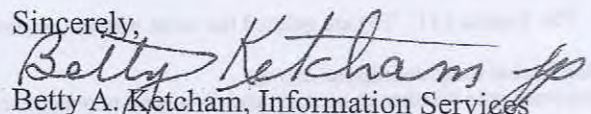
We have no records of known occurrences of rare or state-listed animals or plants, significant natural communities, or other significant habitats, on or in the immediate vicinity of your sites.

The absence of data does not necessarily mean that rare or state-listed species, natural communities or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain any information which indicates their presence. For most sites, comprehensive field surveys have not been conducted. For these reasons, we cannot provide a definitive statement on the presence or absence of rare or state-listed species, or of significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities and other significant habitats maintained in the Natural Heritage Databases. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

Sincerely,


Betty A. Ketcham, Information Services
New York Natural Heritage Program

Enc.

cc: Reg. 4, Wildlife Mgr.



September 20, 2003

Public Access Officer
New York State Department of Environmental Conservation
60 Broadway
Albany, NY 12233-1016

South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum Project
City of Troy, Rensselaer County, New York

Sir or Madam:

Under the Freedom of Information Act, (FOIA) Erdman, Anthony and Associates, Inc., is hereby applying to obtain any information of records, which your office may have regarding the parcel listed below.

The project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, and construction of a handicapped access ramp. The project site is located on the East Industrial Drive, north of Main Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference enclosed "Site Location Map" from the Troy South USGS Map.

Burden Iron Works Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

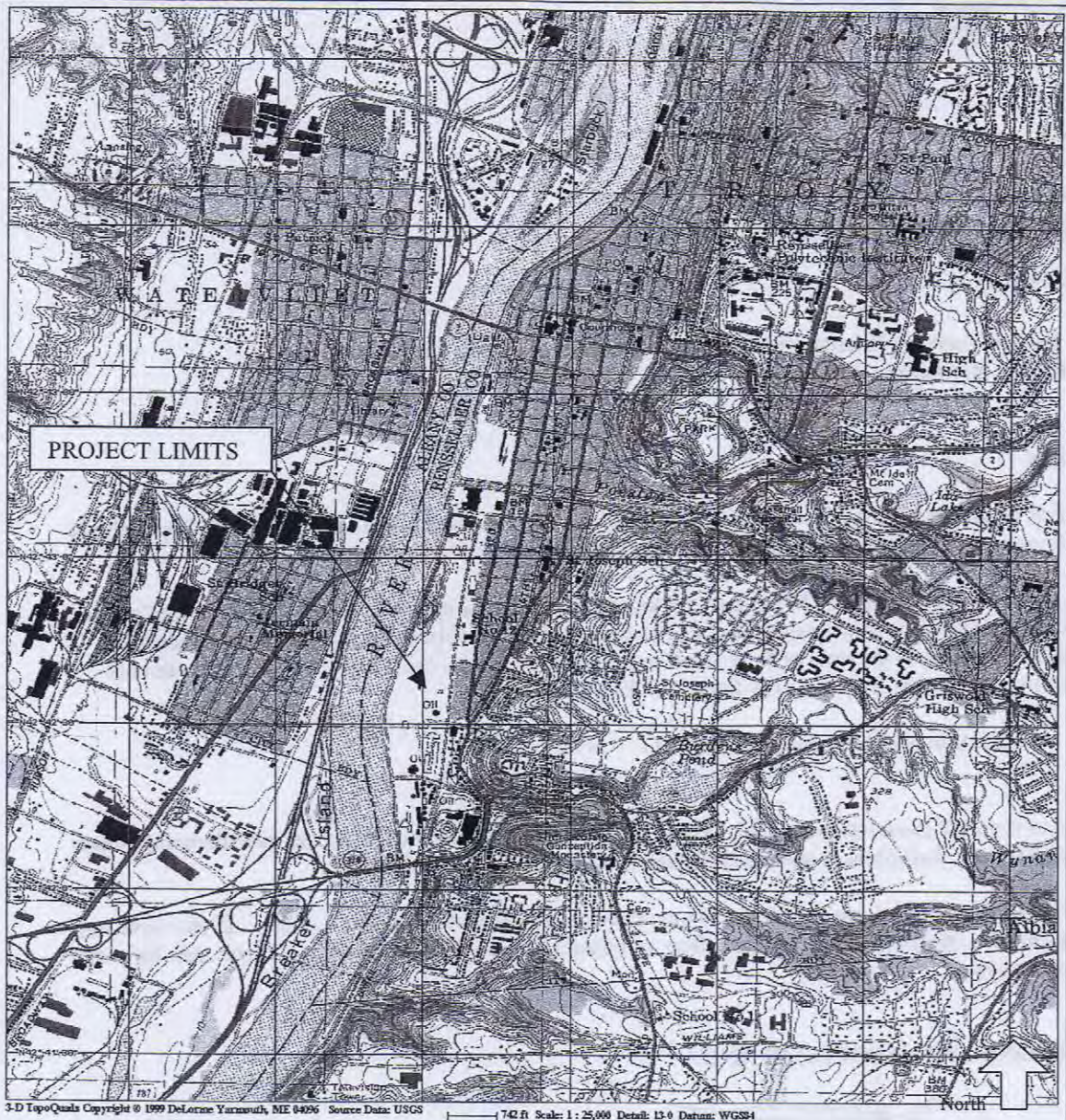
I am interested in any PBS (tank removals, tank closure reports), Air or Hazardous Waste permits, dumping, waste management inspection reports, hazardous waste investigations or complaints at the property.

If requested files are extensive, please contact us to schedule a visit to the Region 4 office. If you have any questions concerning this application, please feel free to contact me at (518) 279-0505. Thank you for your attention in this matter.

Sincerely yours,
ERDMAN, ANTHONY AND ASSOCIATES, INC.

Paul Osterhout, PE

cc



PROJECT LIMITS

SITE LOCATION

USGS TROY SOUTH, NEW YORK QUADRANGLE

SCALE: 1" = 2500'

**New York State Department of Environmental Conservation
Department of Information Office, Region 4**

14th Westcott Road, Schenectady, New York 12306-2014
(518) 357-2046 · FAX: (518) 357-2593
www.dec.state.ny.us



Erin M. Crotty
Commissioner

RECEIVED
OCT 31 2003

October 27, 2003

Shirley Osterhout, P.E.
Shirley, Anthony and Associates
Brick Church Road
NY 12180-8112

Ms. Osterhout:

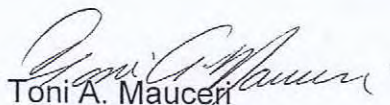
I am in receipt of your Freedom of Information Law (FOIL) Request No. **2003-350** regarding **South Troy Riverfront Bikeway/ Walkway - Burden Iron Works Museum Project, Troy Rensselaer County**.

DEC staff are searching the files for the records and anticipate, but do not guarantee, sending you with all or some of the records on or about November 18, 2003.

Please call me at the number above on that date to determine whether the files are ready for review. Upon completion of our search, you may schedule an appointment to review the files within the availability period of 30 days. Files are then generally returned to the respective programs at the end of the 30-day period.

Additional information regarding New York State FOIL procedures may be obtained at dos.state.ny.us/coog/foil.html.

Sincerely


Toni A. Mauceri
FOIL Coordinator

NYS Department of Environmental Conservation

Office of Media Relations

625 Broadway, Albany, New York 12233-1016

(518) 402-8000 (518) 402-2209(fax)

FOIL Request No. 03-1434

10/28/2003



Erin M. Crotty
Commissioner

RECEIVED
OCT 29 2003

Ms. Melanie Osterhout
Erdman Anthony
317 Brick Church Road
Troy, NY 12180-8112

Dear Ms. Osterhout:

This is to acknowledge receipt of your Freedom of Information Law request seeking:

Records re: **South Troy Riverfront Bikeway/Walkway - Burden Iron Works Museum Project, Troy**

I have referred your request to the following Records Custodian (s) / Freedom of Information Law Coordinator (s) who may possess the records you are requesting:

Ms. Toni Mauceri - Region 4
1150 North Wescott Road
Schenectady, NY 12306-2014 518-357-2046

You may expect a response to your request by 11/12/2003.

If I can be of further assistance, please contact me at (518) 402-8000 Refer to request number 03-1434 if you write or call.

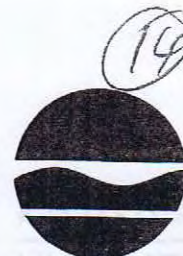
Sincerely,

Ruth L. Earl
Records Access Officer

ork State Department of Environmental Conservation

OF LAW ENFORCEMENT

Albany, NY 12233-2500
(518) 402-8829 • FAX: (518) 402-8830
www.dec.state.ny.us



Erin M. Crotty
Commissioner

RECEIVED
NOV 2 2003

11/19/2003

Ms. Melanie Osterhout
William Anthony
7 Brick Church Rd
Albany, NY 12180

Re: **FOIL # 2003-350, South Troy Riverfront Bikeway / Burden Iron Works**

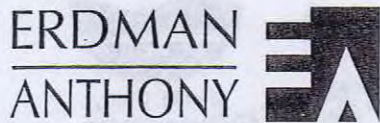
Dear Ms. Osterhout,

A search of the records of the Division of Law Enforcement has found no records relating to the above named site. This is in response to your inquiry of October 18, 2003 under the NYS Freedom of Information Law.

Truly yours,

Lt. Michael R. O'Hara





October 20, 2003

Freedom of Information Officer
U.S. EPA Region 2
290 Broadway, 26th Fl.
New York, NY 10007-1866

**Re: South Troy Riverfront Bikeway/Walkway – Burden Iron Works Museum Project
City of Troy, Rensselaer County, New York**

Dear Sir or Madame:

Under the Freedom of Information Law, (FOIL) Erdman, Anthony and Associates, Inc., is hereby applying to obtain copies of any information of records, which your office may have regarding the parcel listed below.

The project will include construction of a 50-car parking lot, underground utility repair and replacement, roof repair and replacement, and construction of a handicapped access ramp. The project site is located on the East Industrial Parkway, north of Main Street, to the west of First Street in Rensselaer County, Troy, New York. Please reference the enclosed "Site Location Map" from the Troy South USGS Map.

Burden Iron Works Coordinates NAD 27: N 42° 42' 7.2"
W 73° 42' 9"

We are interested in any Air or Hazardous Waste permits, reports of spills, aboveground or underground storage tanks, dumping, waste sites, site inspection reports, hazardous waste investigations or complaints at the above parcel. If you have any questions concerning this application, please feel free to contact me at (518) 279-0505. Thank you for your consideration in this matter.

Sincerely,
ERDMAN, ANTHONY AND ASSOCIATES, INC.

Melanie Osterhout, PE

Enclosure





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPA Region 2, 290 Broadway, 26th Floor (PAD)
NEW YORK, NY 10007

4

Request Acknowledgment

October 28, 2003

RECEIVED
OCT 31 2003

MELANIE OSTERHOUT
EDMAN ANTHONY
7 BRICK CHURCH ROAD
Troy, NY 12180

Freedom of Information Act (FOIA), 5 U.S.C. 552
Request No. **02-RIN-00161-04**

Dear Ms. OSTERHOUT:

Thank you for your FOIA request, dated October 20, 2003, and received in this office on October 20, 2003, for records related to SOUTH TROY RIVERFRONT BIKEWAY/WALKWAY - BURDEN IRONWORKS MUSEUM IN TROY, NY. The Agency has twenty (20) working days to respond to your request, except when you have agreed to an alternate due date or unusual circumstances exist that would require an extension of time under 5 U.S.C. 552(a)(6)(B). Please be advised that in accordance with the EPA's revised FOIA regulations (40 CFR 2.100, et. seq.), effective November 5, 2002, the Agency's fees for processing requests have changed. The new fee schedule is as follows:

- Clerical staff time billed at \$4.00 per 15 minutes of search and/or review
- Professional staff time billed at \$7.00 per 15 minutes of search and/or review
- Managers' time billed at \$10.25 per 15 minutes of search and/or review
- No fee will be charged for services at or below \$14.00
- Assurance of payment of fees above \$25.00 will be obtained from the requester before commencing any work
- Advance payment of fees above \$250 may be required by the Agency before commencing any work

We hope to respond to you soon. In the interim, please contact us if you have any questions about your request. Please cite your FOIA request number in all communications.

Freedom of Information Officer - Public Affairs
Division
Office: (212)637-3668
Fax: (212)637-5046



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

RECEIVED
OCT 30 2003

OCT 30 2003

Ms. Melanie Osterhout, PE
Erdman, Anthony & Associates, Inc.
317 Brick Church Road
Troy, New York 12180-8112

Re: Freedom of Information Request No. 02-RIN-00161-04
Dated: October 20, 2003

Dear Ms. Osterhout:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request. In addition, you may also receive more information from other program areas within this Regional Office.

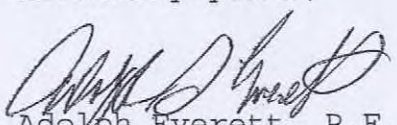
Enclosed are copies and/or computer listings of all the available hazardous waste (RCRA) information concerning Regal Art Press of Troy Inc., the only RCRA site at Industrial Park Road in Troy, New York.

For information on Underground Storage Tanks (USTs), please contact New York State Department of Environmental Conservation (NYSDEC) at the enclosed address as it is responsible for keeping records and tracking incidents related to USTs.

Also, RCRA information is now available on the World Wide Web as described on the enclosed sheet.

Please include the above referenced request number in any subsequent communication relating to this response.

Sincerely yours,


Adolph Everett, P.E.
Acting Chief
RCRA Programs Branch

Enclosures

Send waste code to (7001) 1/28/87

United States Environmental Protection Agency
Washington, DC 20460

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

Notification of Hazardous Waste Activity

Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)
D 0 0 2 0 6 6 1 2 4	A	8 6 1 1 0 3
T/A C		
1		

Installation

A L A R T P R E S S O F T R O Y I N C

Street or P.O. Box

D U S T R I A L P A R K R O A D

City or Town

O Y N Y 1 2 1 8 0

State ZIP Code

Street or Route Number

M E A S A B O V E

City or Town

State ZIP Code

Name and Title (last, first, and job title)

C K I N S O N J A M E S

Phone Number (area code and number)

5 1 8 2 7 4 4 5 0 0

A. Name of Installation's Legal Owner

C K I N S O N J A M E S P R E S , P

B. Type of Ownership (enter code)

P

Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

1b. Less than 1,000 kg/mo.

B. Used Oil Fuel Activities

6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below)

a. Generator Marketing to Burner

b. Other Marketer

c. Burner

7. Specification Used Oil Fuel Marketer (or On site Burner) Who First Claims the Oil Meets the Specification

Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

A. Utility Boiler B. Industrial Boiler C. Industrial Furnace

Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))

B. Rail C. Highway D. Water E. Other (specify)

Subsequent Notification

B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number



Regal Art Press
Industrial Park Road
Troy, New York 12180

TO WHOM IT MAY CONCERN:

PLEASE AMEND OUR PERMIT TO A DOOL.

United States Environmental Protection Agency
Washington, DC 20460



Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

For Official Use Only

Comments

C
C

Installation's EPA ID Number: 007066124

Approved

Date Received (yr. mo. day)

Renessae 081

C
F

NY 12180

T/A C
1

86 11 03

I. Name of Installation

R E G A I A R T P R E S S O F T R O Y I N C

II. Installation Mailing Address

Street or P.O. Box

C
3

I N D U S T R I A L P A R K R O A D

City or Town

State

ZIP Code

C
4

T R O Y

N Y

1 2 1 8 0

III. Location of Installation

Street or Route Number

C
5

S A M E A S A B O V E

City or Town

State

ZIP Code

C
6

IV. Installation Contact

Name and Title (last, first, and job title)

Phone Number (area code and number)

C
2

D I C K I N S O N J A M E S

5 1 8 2 7 4 4 5 0

V. Ownership

A. Name of Installation's Legal Owner

B. Type of Ownership (enter code)

C
R

D I C K I N S O N J A M E S P R E S S

P

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

B. Used Oil Fuel Activities

- 1a. Generator
- 2. Transporter
- 3. Treater/Storer/Disposer
- 4. Underground Injection
- 5. Market or Burn Hazardous Waste Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner
- 1b. Less than 1,000 kg/mo.

- 6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner
- 7. Specification Used Oil Fuel Marketer (or On site Burner) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

- A. Utility Boiler
- B. Industrial Boiler
- C. Industrial Furnace

VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))

- A. Air
- B. Rail
- C. Highway
- D. Water
- E. Other (specify)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- A. First Notification
- B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

--	--	--	--	--	--	--	--	--	--

APPENDIX G

Riverfront Bikeway Construction Estimate

City of Troy
Rensselaer County



Date: 12/30/04
Project: 18990-00

Biketrail segment: MAIN BIKETRAIL

Line Number	Item Description	Dimensions						Unit	Total Bare Cost/Unit (Incls mat'l, labor & equip't)	Estimated Quantity	Estimated Item Cost		
		Length		Width		Height							
		Metric (M)	English (FT)	Metric (M)	English (FT)	Metric (M)	English (FT)						
Section 1: (Station 0+00 to 0+660)													
02230	200 0260	Clear and Grub	600.000	1968.00	5.000	16.40	-	-	-	Acre	\$ 4,875.00	0.74	\$ 3,612.07
02315	200 4060	Removal of Debris w/ Loader	180.000	590.40	5.000	16.40	1.500	4.92	7.48	CY	\$ 7.48	1,784.38	\$ 13,197.54
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	880.000	2164.80	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	400.89	\$ 10,014.20
02740	315 0500	Paving - 3" thick	880.000	2164.80	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	21,648.00	\$ 23,812.80
02315	505 0010	Subgrade Material	90.000	285.20	3.657	12.00	1.200	4.00	1.16	CY	\$ 1.16	524.80	\$ 608.77
02315	300 5080	Compaction Mat'l, 12" lifts	90.000	295.20	3.657	12.00	1.200	4.00	0.19	CY	\$ 0.19	524.80	\$ 99.71
02785	500 5280	Milling & Cleaning	56.000	183.68	2.000	10.00	0.075	0.25	1.08	SY	\$ 1.08	204.09	\$ 220.42
03310	240 4530	Handicap Ramps - Concrete, 5' wide	4.000	13.12	-	-	-	-	13.12	LF	\$ 365.00	13.12	\$ 4,788.80
02220	875 4100	Demolition of Existing Sidewalk	170.000	557.80	2.500	8.20	0.200	0.68	4.96	SY	\$ 4.96	508.04	\$ 2,519.86
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	170.000	557.80	2.500	10.00	0.150	0.50	24.98	CY	\$ 24.98	103.26	\$ 2,579.42
02770	275 0140	Concrete Surface	170.000	557.80	2.500	10.00	0.100	0.33	4.00	SF	\$ 4.00	5,576.00	\$ 22,304.00
03220	300 0110	Fibrous Reinforcing	170.000	557.80	2.500	10.00	0.100	0.33	5.85	CY	\$ 5.85	88.15	\$ 398.68
		Balustrade Relocation	170.000	557.80	-	-	-	-	100.00	LF	\$ 100.00	557.80	\$ 55,780.00
		Retaining Wall & Excavation	90.000	295.20	-	-	-	-	1,160.80	SF	\$ 35.00	1,160.80	\$ 41,328.00
													\$ 181,244.27
Section 2: (Station 0+660 to 1+100)													
02230	200 0260	Clear and Grub	480.000	1574.40	5.000	16.40	-	-	-	Acre	\$ 4,875.00	0.59	\$ 2,889.65
02210	100 0100	Demo Various Ruins	21.400	70.19	14.930	48.97	3.000	10.00	CF	\$ 0.20	34,373.30	\$ 6,874.66	
02315	200 4060	Removal of Debris w/ Loader	22.000	72.16	5.000	16.40	1.500	4.92	7.48	CY	\$ 7.48	215.85	\$ 1,613.03
02320	200 1120	Hauling Debris	22.000	72.16	5.000	16.40	1.500	4.92	8.80	CY	\$ 8.80	215.65	\$ 1,897.69
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	440.000	1443.20	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	267.26	\$ 6,676.14
02740	315 0500	Paving - 3" thick	440.000	1443.20	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	14,432.00	\$ 15,875.20
02315	505 0010	Subgrade Material	440.000	1443.20	4.270	14.00	5.000	16.00	1.16	CY	\$ 1.16	11,973.21	\$ 13,888.93
02315	300 5080	Compaction Mat'l, 12" lifts	440.000	1443.20	4.270	14.00	5.000	16.00	0.18	CY	\$ 0.18	11,973.21	\$ 2,274.91
02830	500 0400	Timber Guiderail	100.000	328.00	-	-	-	-	16.54	LF	\$ 16.54	328.00	\$ 5,425.12
02820	528 0200	Fence, Chain Link Industrial (6" ht w/ b.w.)	100.000	328.00	-	-	-	-	13.56	LF	\$ 13.56	328.00	\$ 4,447.68
													\$ 61,863.01
Section 3: (Station 1+100 to 1+430)													
02230	200 0260	Clear and Grub	330.000	1082.40	5.000	16.40	-	-	-	Acre	\$ 4,875.00	0.41	\$ 1,986.64
		Removal of Steel Sht Piles - Reclaimable	-	-	-	-	-	-	32.00	Ton	\$ 32.00	250.00	\$ 8,000.00
		Hauling Steel Debris	-	-	-	-	-	-	40.00	Ton	\$ 40.00	250.00	\$ 10,000.00
02315	200 4060	Removal of Debris w/ Loader	20.000	65.60	10.000	32.80	1.500	4.92	7.48	CY	\$ 7.48	392.08	\$ 2,932.79
02320	200 1120	Hauling Debris	20.000	65.60	10.000	32.80	1.500	4.92	8.80	CY	\$ 8.80	392.08	\$ 3,450.34
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	330.000	1082.40	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	200.44	\$ 5,007.10
02740	315 0500	Paving - 3" thick	330.000	1082.40	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	10,824.00	\$ 11,906.40
02315	505 0010	Subgrade Material	100.000	328.00	3.657	12.00	2.500	8.00	1.16	CY	\$ 1.16	1,166.22	\$ 1,352.82
02315	300 5080	Compaction Mat'l, 12" lifts	100.000	328.00	3.657	12.00	2.500	8.00	0.19	CY	\$ 0.19	1,166.22	\$ 221.58
02315	400 1800	Excavator, Small Backhoe	330.000	1082.40	3.000	9.84	0.150	0.49	5.04	CY	\$ 5.04	194.08	\$ 978.17
													\$ 45,835.84
Section 4: (Station 1+430 to 1+660)													
02230	200 0260	Clear and Grub	230.000	754.40	5.000	16.40	-	-	-	Acre	\$ 4,875.00	0.28	\$ 1,384.63
		Removal of Steel Sht Piles - Reclaimable	-	-	-	-	-	-	32.00	Ton	\$ 32.00	250.00	\$ 8,000.00
		Hauling Steel Debris	-	-	-	-	-	-	40.00	Ton	\$ 40.00	250.00	\$ 10,000.00
02315	200 4060	Removal of Debris w/ Loader	5.000	16.40	10.000	32.80	1.500	4.92	7.48	CY	\$ 7.48	98.02	\$ 733.20
02320	200 1120	Hauling Debris	5.000	16.40	10.000	32.80	1.500	4.92	8.80	CY	\$ 8.80	98.02	\$ 862.58
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	230.000	754.40	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	139.70	\$ 3,485.80
02740	315 0500	Paving - 3" thick	230.000	754.40	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	7,544.00	\$ 8,298.40
02315	505 0010	Subgrade Material	60.000	196.80	3.657	12.00	2.500	8.00	1.16	CY	\$ 1.16	699.73	\$ 811.69
02315	300 5080	Compaction Mat'l, 12" lifts	60.000	196.80	3.657	12.00	2.500	8.00	0.19	CY	\$ 0.19	699.73	\$ 132.95
02830	500 0400	Timber Guiderail	50.000	164.00	-	-	-	-	16.54	LF	\$ 16.54	164.00	\$ 2,712.56
02315	400 1800	Excavator, Small Backhoe	230.000	754.40	3.000	9.84	0.150	0.49	5.04	CY	\$ 5.04	135.27	\$ 681.76
													\$ 37,107.56
Section 5: (Station 1+660 to 2+120)													
02230	200 0260	Clear and Grub	460.000	1508.80	5.000	16.40	-	-	-	Acre	\$ 4,875.00	0.57	\$ 2,789.25
		Removal of Steel Sht Piles - Reclaimable	-	-	-	-	-	-	32.00	Ton	\$ 32.00	250.00	\$ 8,000.00
		Hauling Steel Debris	-	-	-	-	-	-	40.00	Ton	\$ 40.00	250.00	\$ 10,000.00
02315	200 4060	Removal of Debris w/ Loader	15.000	49.20	10.000	32.80	1.500	4.92	7.48	CY	\$ 7.48	294.06	\$ 2,198.59
02320	200 1120	Hauling Debris	15.000	49.20	10.000	32.80	1.500	4.92	8.80	CY	\$ 8.80	294.06	\$ 2,587.75
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	200.000	656.00	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	121.48	\$ 3,034.61
02740	315 0500	Paving - 3" thick	200.000	656.00	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	6,560.00	\$ 7,216.00
02315	505 0010	Subgrade Material	380.000	1246.40	3.657	12.00	2.500	8.00	1.16	CY	\$ 1.16	4,431.64	\$ 5,140.71
02315	300 5080	Compaction Mat'l, 12" lifts	380.000	1246.40	3.657	12.00	2.500	8.00	0.19	CY	\$ 0.19	4,431.64	\$ 842.01
02315	400 1800	Excavator, Small Backhoe	460.000	1508.80	3.000	9.84	0.150	0.49	5.04	CY	\$ 5.04	270.54	\$ 1,363.51
													\$ 43,153.43
Section 6: (Station 2+120 to 2+150) Rock Outcropping - Major Cut													
02230	200 0260	Clear and Grub	10.000	32.80	6.000	19.68	-	-	-	Acre	\$ 4,875.00	0.01	\$ 72.24
02305	250 0020	Mobilization & Demobilization	-	-	-	-	-	-	150.50	EA	\$ 150.50	1	\$ 150.50
02315	340 0250	Drilling and Blasting w/ mats	20.000	65.60	6.000	19.68	13.890	45.56	7.64	CY	\$ 7.64	2,178.42	\$ 16,843.12
02315	400 1800	Excavator, Small Backhoe	20.000	65.60	6.000	19.68	13.890	45.56	5.04	CY	\$ 5.04	2,178.42	\$ 10,979.23
02315	400 0200	Excavator, Small Dozer	20.000	65.60	6.000	19.68	13.890	45.56	1.59	CY	\$ 1.59	2,178.42	\$ 3,463.68
02320	200 0150	Hauling Borrow, 6 CY Dump, 3 mi RT	20.000	65.60	6.000	19.68	13.890	45.56	6.92	CY	\$ 6.92	1,089.21	\$ 7,537.33
02720	200 1530	Gravel, Bank Run, Compacted - 6" deep	30.000	98.40	3.000	10.00	0.150	0.50	24.98	CY	\$ 24.98	18.22	\$ 455.19
02740	315 0500	Paving - 3" thick	30.000	98.40	3.000	10.00	0.075	0.25	1.10	SF	\$ 1.10	984.00	\$ 1,082.40
		Retaining Wall & Excavation	30.000	98.40	-	-	-	-	35.00	SF	\$ 35.00	393.60	\$ 13,776.00
		Decorative Fence	30.000	98.40	-	-	-	-	45.00	LF	\$ 45.00	98.40	\$ 4,428.00
		Consider Construction w/ Piers	-	-	-	-	-	-	-	LF	\$ -	-	\$ -
													\$ 58,587.69

Riverfront Bikeway Construction Estimate
 City of Troy
 Rensselaer County



Date: 12/30/04
 Project: 18990-00

Biketrail segment: MAIN BIKETRAIL

Line Number	Item Description	Dimensions						Unit	Total Bare Cost/Unit (Incls mat'l, labor & equip't)	Estimated Quantity	Estimated Item Cost
		Length		Width		Height					
		Metric (M)	English (FT)	Metric (M)	English (FT)	Metric (M)	English (FT)				
Section 7: (Station 2+150 to 2+200) Rock Outcropping -Major Cut											
02230 200 0260	Clear and Grub	30.000	98.40	6.000	19.68	-	-	Acre	\$ 4,875.00	0.04	\$ 216.72
02305 250 0020	Mobilization & Demobilization	-	-	-	-	-	-	EA	\$ 150.50	1	\$ 150.50
02315 340 0250	Drilling and Blasting w/ mats	51.000	167.28	6.000	19.68	13.890	45.56	CY	\$ 7.84	5,554.97	\$ 42,439.94
02315 400 1800	Excavator, Small Backhoe	51.000	167.28	6.000	19.68	13.890	45.56	CY	\$ 5.04	5,554.97	\$ 27,997.03
02315 400 0200	Excavator, Small Dozer	51.000	167.28	6.000	19.68	13.890	45.56	CY	\$ 1.59	5,554.97	\$ 8,832.40
02320 200 0150	Hauling Borrow, 6 CY Dump, 3 mi RT	51.000	167.28	6.000	19.68	13.890	45.56	CY	\$ 6.82	2,777.48	\$ 19,220.18
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	50.000	164.00	3.000	10.00	0.150	0.50	CY	\$ 24.98	30.37	\$ 758.65
02740 315 0500	Paving - 3" thick	50.000	164.00	3.000	10.00	0.075	0.25	SF	\$ 1.10	1,640.00	\$ 1,804.00
	Retaining Wall & Excavation	50.000	164.00	-	-	1.200	4.00	SF	\$ 35.00	656.00	\$ 22,960.00
	Decorative Fence	50.000	164.00	-	-	-	-	LF	\$ 45.00	164.00	\$ 7,380.00
	Consider Construction w/ Piers	-	-	-	-	-	-	LF	\$ -	-	\$ -
										\$	131,759.43
Section 8: (Station 2+200 to 2+480)											
02230 200 0260	Clear and Grub	60.000	198.80	5.000	16.40	-	-	Acre	\$ 4,875.00	0.07	\$ 361.21
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	280.000	918.40	3.000	10.00	0.150	0.50	CY	\$ 24.98	170.07	\$ 4,249.45
02740 315 0500	Paving - 3" thick	280.000	918.40	3.000	10.00	0.075	0.25	SF	\$ 1.10	9,184.00	\$ 10,102.40
02820 528 0200	Fence, Chain Link Industrial (6' ht w/ b.w.)	300.000	984.00	-	-	-	-	LF	\$ 13.56	984.00	\$ 13,343.04
	Removal of Steel Sht Piles - Reclaimable	-	-	-	-	-	-	Ton	\$ 32.00	250.00	\$ 8,000.00
										\$	36,055.10
Section 9: (Station 2+480 to 2+660)											
02230 200 0260	Clear and Grub	40.000	131.20	5.000	16.40	-	-	Acre	\$ 4,875.00	0.05	\$ 240.80
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	180.000	590.40	3.000	10.00	0.150	0.50	CY	\$ 24.98	109.33	\$ 2,731.15
02740 315 0500	Paving - 3" thick	180.000	590.40	3.000	10.00	0.075	0.25	SF	\$ 1.10	5,804.00	\$ 6,494.40
02830 500 0400	Timber Guiderail	300.000	984.00	-	-	-	-	LF	\$ 18.54	984.00	\$ 18,275.36
	Removal of Steel Sht Piles - Reclaimable	-	-	-	-	-	-	Ton	\$ 32.00	250.00	\$ 8,000.00
										\$	33,741.71
Section 10: (Station 2+660 to 2+780)											
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	120.000	393.60	3.000	10.00	0.150	0.50	CY	\$ 24.98	72.89	\$ 1,820.78
02740 315 0500	Paving - 3" thick	120.000	393.60	3.000	10.00	0.075	0.25	SF	\$ 1.10	3,936.00	\$ 4,329.60
02820 528 0200	Fence	120.000	393.60	-	-	-	-	LF	\$ 30.00	393.60	\$ 11,808.00
										\$	17,958.36
Section 11: (Station 2+780 to 3+280)											
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	900.000	1640.00	3.000	10.00	0.150	0.50	CY	\$ 24.98	303.70	\$ 7,586.52
02740 315 0500	Paving - 3" thick	500.000	1640.00	3.000	10.00	0.075	0.25	SF	\$ 1.10	16,400.00	\$ 18,040.00
03310 240 4530	Handicap Ramps - Concrete, 5' wide	1.520	4.99	-	-	-	-	LF	\$ 365.00	4.99	\$ 1,819.74
02315 400 1800	Excavator, Small Backhoe	500.000	1640.00	3.000	9.84	0.150	0.49	CY	\$ 5.04	284.06	\$ 1,482.08
										\$	28,928.34
Section 12: (Station 3+280 to 4+170)											
02785 500 5280	Milling & Cleaning	273.000	895.44	3.000	10.00	0.075	0.25	SY	\$ 1.08	994.83	\$ 1,074.53
03310 240 4530	Handicap Ramps - Concrete, 5' wide	7.620	24.99	-	-	-	-	LF	\$ 365.00	24.99	\$ 9,122.66
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	735.000	2410.80	3.000	10.00	0.150	0.50	CY	\$ 24.98	446.44	\$ 11,152.18
02740 315 0500	Paving - 3" thick	890.000	2519.20	3.000	10.00	0.075	0.25	SF	\$ 1.10	29,192.00	\$ 32,111.20
02220 875 0775	Demolition of Existing Fence	400.000	1312.00	-	-	-	-	LF	\$ 0.87	1,312.00	\$ 1,141.44
02220 875 1000	Demolition of Existing Concrete Barrier	200.000	656.00	0.457	1.50	0.782	2.50	CF	\$ 1.29	2,457.67	\$ 3,170.39
02820 890 1200	Installation of Decorative Fence	300.000	984.00	-	-	-	-	LF	\$ 45.00	984.00	\$ 44,280.00
03310 240 4530	Pavement Striper	-	-	-	-	-	-	PD	\$ 245.00	1.00	\$ 245.00
	Retaining Wall & Excavation	80.000	262.40	-	-	1.200	4.00	SF	\$ 35.00	1,049.60	\$ 36,736.00
	Lighting	-	-	-	-	-	-	EA	\$ 2,800.00	6.00	\$ 16,800.00
	Relocation of Street Lights	-	-	-	-	-	-	EA	\$ 1,000.00	5.00	\$ 5,000.00
	New 2 lane Roadway design	265.000	869.20	-	-	-	-		\$ 333,300.00	0.33	\$ 109,736.50
										\$	270,569.90
Section 13: (Station 4+170 to 4+270)											
02785 500 5280	Milling & Cleaning	100.000	328.00	3.000	10.00	0.075	0.25	SY	\$ 1.08	364.44	\$ 393.60
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	100.000	328.00	3.000	10.00	0.150	0.50	CY	\$ 24.98	60.74	\$ 1,517.30
02740 315 0500	Paving - 3" thick	100.000	328.00	3.000	10.00	0.075	0.25	SF	\$ 1.10	3,280.00	\$ 3,608.00
02220 875 0790	Relocate Decorative Fence	95.000	311.80	-	-	-	-	LF	\$ 5.89	311.60	\$ 1,835.32
02785 500 5280	Milling & Cleaning	100.000	328.00	40.000	130.00	0.075	0.25	SY	\$ 1.08	4,737.78	\$ 5,116.80
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	100.000	328.00	40.000	130.00	0.150	0.50	CY	\$ 24.98	789.83	\$ 19,724.95
02740 315 0500	Paving - 3" thick	100.000	328.00	40.000	130.00	0.075	0.25	SF	\$ 1.10	42,640.00	\$ 46,904.00
03310 240 4530	Pavement Striper	-	-	-	-	-	-	PD	\$ 245.00	1.00	\$ 245.00
	Lighting	-	-	-	-	-	-	EA	\$ 2,800.00	5.00	\$ 14,000.00
										\$	93,344.98
Section 14: (Station 4+270 to 4+410)											
02220 875 4100	Removal of Existing Concrete Walk	140.000	459.20	1.520	5.00	0.100	0.33	SY	\$ 4.96	255.11	\$ 1,265.35
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	140.000	459.20	3.000	10.00	0.150	0.50	CY	\$ 23.10	85.04	\$ 1,964.36
02770 275 0140	Concrete Surface	140.000	459.20	3.000	10.00	0.100	0.33	SF	\$ 4.00	4,592.00	\$ 18,368.00
03220 300 0110	Fibrous Reinforcing	140.000	459.20	3.000	10.00	0.100	0.33	CY	\$ 5.85	55.78	\$ 326.34
	Lighting	-	-	-	-	-	-	EA	\$ 2,800.00	7.00	\$ 19,600.00
										\$	41,524.04
Section 15: (Station 4+590 to 4+790)											
02230 200 0260	Clear and Grub	36.500	119.72	3.000	9.84	-	-	Acre	\$ 4,875.00	0.03	\$ 131.84
02220 875 4100	Demolition of Existing Path	73.000	239.44	1.520	5.00	0.100	0.33	SY	\$ 4.96	133.02	\$ 659.79
02720 200 1530	Gravel, Bank Run, Compacted - 6" deep	73.000	239.44	3.000	10.00	0.150	0.50	CY	\$ 24.98	44.34	\$ 1,107.63
02770 275 0140	Concrete Surface	73.000	239.44	3.000	10.00	0.100	0.33	SF	\$ 4.00	2,394.40	\$ 9,577.60
03220 300 0110	Fibrous Reinforcing	73.000	239.44	3.000	10.00	0.100	0.33	CY	\$ 5.85	29.26	\$ 171.20
	Lighting	-	-	-	-	-	-	EA	\$ 2,800.00	5.00	\$ 14,000.00
										\$	25,648.06

Subtotal from Sta 0+000 to 4+790	\$	1,071,266.82
Estimated Cost for Landscaping	\$	200,000.00
Estimated Cost for Signage	\$	40,000.00
Estimated Cost Incl. O&P, 20% (typical)	\$	1,573,519.95
Estimated Cost w/ 20% Contingency	\$	1,890,000.00

APPENDIX H

617.20
State Environmental Quality Review
SHORT ENVIRONMENTAL ASSESSMENT FORM
For UNLISTED ACTIONS Only

Part 1 - PROJECT INFORMATION (To be completed by Applicant or Project sponsor)

1. APPLICANT/SPONSOR: City of troy	2. PROJECT NAME: South Troy Riverfront Bikeway/Walkway
3. PROJECT LOCATION: Municipality/County: City of Troy, Rensselaer County	
4. PRECISE LOCATION: (Street address and road intersections, prominent landmarks, etc., or provide map) <i>The project is located between the Troy-Menands Bridge and the Green Island Bridge east of the Hudson River</i>	
5. PROPOSED ACTION IS: <input checked="" type="checkbox"/> New <input type="checkbox"/> Expansion <input checked="" type="checkbox"/> Modification/alteration	
6. DESCRIBE PROJECT BRIEFLY: Design and construct a new bikeway/walkway along the Hudson River where possible to link the other proposed and existing bikeways/walkways in the City of Troy. The path width will be approximately 3 meters. The majority of the bikeway/walkway will be bituminous concrete. The total length is approximately 5.8 kilometers.	
7. AMOUNT OF LAND AFFECTED: Initially _____ acres Ultimately 4 acres	
8. WILL PROPOSED ACTION COMPLY WITH EXISTING ZONING OR OTHER EXISTING LAND USE RESTRICTIONS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, describe briefly	
9. WHAT IS PRESENT LAND USE IN VICINITY OF PROJECT? <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Agricultural <input type="checkbox"/> Park/Forest/Open space <input type="checkbox"/> Other <i>Describe. Primarily industrial/commercial with urban residential to the east.</i>	
10. DOES ACTION INVOLVE A PERMIT APPROVAL, OR FUNDING, NOW OR ULTIMATELY FROM ANY OTHER GOVERNMENTAL AGENCY (FEDERAL, STATE OR LOCAL)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, list agency(s) name and permit/approvals <i>Funding is as follows: 80% FHWA (Federal Highway Administration) and 20% Local Monies. Required permits are; NYSDOS General Concurrence, NYSDEC SPDES, and possibly a NYSDEC Article 24 Permit, a 401 Water Quality Certification, Article 15 Stream Disturbance Permit & Army Corps of Engineers Permit (Section 404-Nationwide Permit)</i>	
11. DOES ANY ASPECT OF THE ACTION HAVE A CURRENTLY VALID PERMIT OR APPROVAL? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, list agency(s) name and permit/approval	
12. AS A RESULT OF PROPOSED ACTION WILL EXISTING PERMIT/APPROVAL REQUIRE MODIFICATION? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE	
Applicant/Sponsor name: <u>Walter VanDiel, City Engineer</u>	
Date: _____	
Signature: _____	

If the action is in a Coastal Area, and you are a state agency, complete a Coastal Assessment Form before proceeding with this assessment

PART II-ENVIRONMENTAL ASSESSMENT (To be completed by Agency)

A. DOES ACTION EXCEED ANY TYPE 1 THRESHOLD IN 6 NYCRR, PART 617.4? If yes, coordinate the review process and use the FULL EAF. Yes No

B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? If No, a negative declaration may be superseded by another involved agency. Yes No

C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING: (Answers may be handwritten, if legible.)

C1. Existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, potential for erosion, drainage or flooding problems? Explain briefly: No.

C2. Aesthetic, agricultural, archaeological, historic or other natural or cultural resources; or community or neighborhood character? Explain briefly: No.

C3. Vegetation or fauna, fish, shellfish or wildlife species, significant habitats, or threatened or endangered species? Explain briefly: No.

C4. A community's existing plans or goals as officially adopted, or a change in use or intensity of use of land or other natural resources? Explain briefly: No.

C5. Growth, subsequent development, or related activities likely to be induced by the proposed action? Explain briefly: No.

C6. Long term, short term, cumulative, or other effects not identified in C1-C5? Explain briefly: No.

C7. Other impacts (including changes in use of either quantity or type of energy)? Explain briefly: No.

D. WILL THE PROJECT HAVE AN IMPACT ON THE ENVIRONMENTAL CHARACTERISTICS THAT CAUSED THE ESTABLISHMENT OF A CRITICAL ENVIRONMENTAL AREA (CEA)? Yes No If Yes, explain briefly:

E. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS? Yes No If Yes, explain briefly:

Part III - DETERMINATION OF SIGNIFICANCE (To be completed by Agency)

INSTRUCTIONS: For each adverse effect identified above, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e. urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed. If question D of Part II was checked yes, the determination of significance must evaluate the potential impact of the proposed action on the environmental characteristics of the CEA.

Check this box if you have identified one or more potentially large or significant adverse impacts which **MAY** occur. Then proceed directly to the FULL EAF and/or prepare a positive declaration.

Check this box if you have determined, based on the information and analysis above and any supporting documentation, that the proposed action **WILL NOT** result in any significant adverse environmental impacts **AND** provide on attachments as necessary, the reasons supporting this determination:

Planning Commission
Name of Lead Agency

Date

Walter VanDelen
Print or Type Name of Responsible Officer in Lead Agency

Chairman, City Planning Commission Legislature
Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (if different from responsible officer)

SEQR "Negative Declaration"

**State Environmental Quality Review
 NEGATIVE DECLARATION
 Notice of Determination of Non-Significance**

Project Number PIN 1755.66 Date October 18, 2005

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

The City of Troy, as lead agency, has determined that the proposed action described below will not have a significant effect on the environment and a Draft Environmental Impact Statement will not be prepared.

Name of Action: South Troy Riverfront Bikeway/Walkway

SEQR Status: Type 1
 Unlisted

Conditioned Negative Declaration: Yes
 No

Description of Action:

The applicant proposes to construct a new bikeway/walkway east of the Hudson River and west of First Street in the City of Troy, Rensselaer County. The project begins at Water Street and ends at Grand Street. The project includes approximately 5,810 meters (19,060 ft) of one 3 meters (10 ft) wide paved shared bikeway/walkway. The project site is located in the south/central area of Troy.

Location: Between Water and Grand Streets in the City of Troy, Rensselaer County
 (see attached location map)

Reasons Supporting This Determination:

(See 617.6(g) for requirements of this determination; see 617.6(h) for Conditioned Negative Declaration)

1. The proposed action will not cause a substantial adverse change in existing air quality, ground or surface water quality or quantity, traffic or noise levels or a substantial increase in potential for erosion, flooding, leaching or drainage problems.
2. The proposed action will not result in the removal or destruction of large quantities of vegetation or fauna; substantial interference with the movement of any resident or migratory fish or wildlife species; impacts on a significant habitat area; substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources.
3. The proposed action will not cause a major change in the use of either the quantity or type of energy.
4. The proposed action will not cause a substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses.
5. The proposed action will not result in impacts to a structure eligible for listing on the National Register of Historic Places or cultural resources.

If Conditioned Negative Declaration, provide on attachment the specific mitigation measures imposed.
(See Section 4(f)/106 for Mitigation Measures)

For Further Information:

Contact Person: Russ Reeves, PE
City Engineer
Address: City of Troy City Hall
1 Monument Square
Troy, NY 12180
Telephone Number: (518) 270-4604

For Type I Actions and Conditioned Negative Declarations, a Copy of this Notice Sent to:

Richard Wild, NYSDEC Region 5 Supervisor of Regulatory Affairs, Rte 86, Ray Brook, New York 12977

Dean Gillan, NYSDOT Local Administered Projects Liaison, NYSDOT Region 7, 317 Washington St.,
Watertown, NY 13601

Tony Opalka, NYSOPRHP Historic Preservation Field Services Bureau, Peebles Island, PO Box 189,
Waterford, New York 12188-0189

NEPA CHECKLIST

DATE: August 5 , 2003

PIN and Project Title: P.I.N. 1755.66, Troy Pedestrian Bicycle Trail,
City of Troy, Rensselaer County, New York

Answer the following questions by checking YES or NO.

I. THRESHOLD QUESTION YES NO

1. Does the project involve unusual circumstances as described in 23 CFR §771.117(b)? X

• If YES, the project does not qualify as a Categorical Exclusion and an EA or EIS is required. You may STOP COMPLETING THE CHECKLIST.

• If NO, go on.

II. AUTOMATIC CATEGORICAL EXCLUSION

2. Is the project an action listed as an Automatic Categorical Exclusion in 23 CFR §771.117 c (C List)? and/or is the project an element-specific project classified by FHWA as a Categorical Exclusion on July 22, 1996 X

• If YES to question 2, the project qualifies for a C List Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo is to be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report) A copy of the CATEGORICAL EXCLUSION DETERMINATION memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

(Note - Even if YES to question 2, there may be specific environmental issues that still require an action such as an EO 11990 Wetland Finding or a determination of effect on cultural resources. The project is still an Automatic Categorical Exclusion but the necessary action must be taken, such as obtaining FHWA's signature on the wetland finding. refer to the appropriate section of the Environmental Procedures Manual for guidance.)

• If NO to question 2, go on.

III. PROGRAMMATIC CATEGORICAL EXCLUSION

YES

NO

3. Is the project on new location or does it involve a change in the functional classification or added mainline capacity (add through-traffic lanes)?
4. Is this a Type I project under 23 CFR 772 (Procedures for Abatement of Highway Traffic Noise and Construction Noise)?
5. Does the project involve more than two ha (five acres) of clearing, grubbing, grading or excavation of vegetated areas (other than ditch cleaning) adjacent to an existing water body or regulated wetlands; or if the project is located within the limits of a sole source aquifer, is the drainage pattern being altered?
6. Does the project involve changes in travel patterns?
7. Does the project involve the acquisition of more than minor amounts of temporary or permanent strips of right-of-way (a minor amount of right-of-way is defined as no more than 10 percent of a parcel for parcels under 4 ha (10 acres) in size, 0.4 ha (1 acre) of a parcel 4 ha to 40.5 ha (10 to 100 acres) in size and 1 percent of a parcel for parcels greater than 40.5 ha (100 acres in size)?
8. Does the project require a Section 4(f) evaluation and determination in accordance with the FHWA guidance ?
9. Does the project involve a commercial or residential displacement?
10. If Section 106 applies, Does FHWA's determination indicate an opinion of adverse effect ?
11. Does the project involve any work in wetlands requiring a Nationwide Wetland Permit #23 ?
12. Does the project involve any work in wetlands requiring an individual Executive Order 11990 Wetland Finding ?

13. Has it been determined that the project will significantly encroach upon a flood plain based on preliminary hydraulic analysis and consideration of EO 11988 criteria as appropriate ?
14. Does the project involve construction in, across or adjacent to a river designated as a component proposed for inclusion in the National System of Wild and Scenic Rivers?
15. Does the project involve any change in access control?
16. Does the project involve any known hazardous materials sites or previous uses with potential for hazardous material remains within the right-of-way?
17. Does the project occur in an area where there are Federally listed endangered or threatened species or critical habitat?
18. Is the project, pursuant to EPM Chapter 1A and Table 2 and Table 3 of 40 CFR Parts 51 and 93, non-exempt or does it exceed any ambient air quality standard ?
19. Does the project lack consistency with the New York State Coastal Zone Management Plan and policies of the Department of State, Office of Coastal Zone Management?
20. Does the project impact or acquire any Prime or Unique Farmland as defined in 7 CFR Part 657 of the Federal Farmland Protection Policy Act and are there outstanding compliance activities necessary ?
(Note: Interpret compliance activity to mean completion of Form AD 1006)

- If NO for questions 3-20, go on to answer question 21.

- If YES to any question 3-20, project will not qualify as a Programmatic Categorical Exclusion. Answer questions 21 and 22 for documentation only and go on to question 23.

21. Does the project involve the use of a temporary road, detour or ramp closure?

- If NO for questions 3-20 and NO to question 21, the project qualifies as a Programmatic Categorical

Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo is to be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report) A copy of the CATEGORICAL EXCLUSION DETERMINATION memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

• If YES to question 21, preparer should complete question 22 (i-v). If questions 3-20 are NO and 21 is YES, the project will still qualify as a Programmatic Categorical Exclusion if questions 22 (i-v) are YES.

- | | | | |
|------|--|------------|-----------|
| 22. | Since the project involves the use of temporary road, detour or ramp closure, will all of the following conditions be met: | <u>YES</u> | <u>NO</u> |
| i. | Provisions will be made for pedestrian access, where warranted, and access by local traffic and so posted. | | |
| ii. | Through-traffic dependent business will not be adversely affected. | | |
| iii. | The detour or ramp closure, to the extent possible, will not interfere with any local special event or festival. | | |
| iv. | The temporary road, detour or ramp closure does not substantially change the environmental consequences of the action. | | |
| v. | There is no substantial controversy associated with the temporary road, detour or ramp closure. | | |

• If questions 3-20 are NO, 21 is YES and 22 (i-v) are YES, the project qualifies for a Programmatic Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo should be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report). A copy of the CATEGORICAL EXCLUSION DETERMINATION memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

• If any of questions 3-20 is NO, 21 is YES and any part of 22 is NO, go on to question 23.

IV. CATEGORICAL EXCLUSIONS WITH DOCUMENTATION YES NO

23. Is the project section listed in 23 CFR §771.117(d) (D List) or is the project an action similar to those listed in 23 CFR §771.117(d)?

For those questions which precluded a Programmatic Categorical Exclusion, documentation should be provided for any YES response to questions 3-20 or a NO response to any part of questions 22 i-v. This documentation should be included in the Design Approval document, i.e., Final Design Report, etc., to be submitted to the Main Office/FHWA design liaison unit for submission to the FHWA Division for classification of the project as a D List Categorical Exclusion.

Documentation is provided for each response to questions 3-21

Supporting Statements to Supplement the NEPA Checklist.

Categorical Exclusion with Documentation

3. This project involves bridge replacement, roadway reconstruction and provisions for pedestrians. The project involves adding a through lane on the bridge structure (One lane to two lane bridge). No through lanes will be added to the highway section. The functional classification of the roadway will remain the same.
4. The proposed project does not include the construction of a highway on a new location or the physical alteration of an existing highway which significantly changes either the horizontal or vertical alignment, or increases the number of through traffic lanes on the mainline roadway. Therefore, the proposed project is not a Type 1 project under the Federal Aid Policy Guide.
5. The project does not involve more than 2 hectares (5 acres) of clearing, grubbing or excavation of vegetative areas adjacent to an existing water body or regulated wetland. The project is not located within the limits of a sole source aquifer.
6. The project does not involve any permanent changes in travel patterns.
7. The proposed project does not involve the acquisition of more than minor amounts temporary or permanent strips of Right-of-Way.
8. The proposed project will impact properties protected by Section 4(f) of the USDOT Act. Refer to the discussion in Section IV.3.d and Section VI of the Design Report.
9. The project does not involve the displacement of a commercial or residential property.
10. The proposed project will impact properties eligible for listing on the Nation Register of Historic Places and protected by Section 106. Refer to the discussion in Section IV.3.d and Section VI of the Design Report.
11. Review of the appropriate NYS Department of Environmental Conservation Freshwater Wetland

Mapping and National Wetland Inventory (NWI) Maps indicate that there are no state or federally regulated wetlands within the project limits. The proposed work does not require a Nationwide Permit #23.

12. The proposed project does not involve work in wetlands requiring an Executive Order 11990 Wetland Finding. The proposed work will comply with the terms and conditions of a Programmatic Executive Order 11990 finding.
13. The proposed project is located within a 100 year designated flood zone. The flood zone consists of an area 30m (100 ft) on either side of the stream channel.
14. There are no streams or watercourses within the project vicinity that are designated for inclusion in the National System of Wild and Scenic Rivers.
15. The project does not involve the change in access control.
16. Based upon research and field observations there are no properties that contain any known hazardous material sites or uses with potential for hazardous material remains.
17. The NYSDEC Natural Heritage Program has indicated that there are no State or Federally listed endangered species know to exist in the proximity of the project area.
18. This project will not increase traffic volumes or reduce source-receptor distances to a degree as to jeopardize attainment of the New York State and National Ambient Air Quality Standards.
19. The project is not located in Coastal Management Zone.
20. The project does not impact or acquire any farmland.
21. A temporary detour will be utilized during construction of the new bridge to maintain traffic.

APPENDIX I

**PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT
AND
PHASE IB ARCHEOLOGICAL RECONNAISSANCE**

**BURDEN IRON WORKS MUSEUM RESTORATION PROJECT
HUDSON MOHAWK INDUSTRIAL GATEWAY
ONE INDUSTRIAL PARKWAY
CITY OF TROY
RENSSELAER COUNTY, NEW YORK**

HAA #2966

OPRHP #99PR3648

Submitted to:

**CITY OF TROY
CITY HALL
ONE MONUMENT SQUARE
TROY, NEW YORK 12180**

Prepared by:

**HARTGEN ARCHEOLOGICAL ASSOCIATES, INC.
CERTIFIED WBE/DBE
1744 WASHINGTON AVENUE EXT.
RENSSELAER, NEW YORK 12144
PHONE (518) 283-0534
FAX (518) 283-6276
email: hartgen@hartgen.com
www.hartgen.com**

**AN ACRA MEMBER FIRM
www.acra-crm.org**

DECEMBER 2003

ABSTRACT

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Erdman Anthony and Associates, Inc. for the City of Troy to conduct a Phase IA literature review and sensitivity assessment and Phase IB archeological field reconnaissance for the proposed restoration of the Burden Iron Works Museum at One Industrial Parkway in the City of Troy, Rensselaer County, New York. This archeological survey will be conducted under the provisions of Section 106 of the National Historic Preservation Act since TEA 21 funds will be utilized.

The Burden Iron Works Museum currently is the Burden Iron Works Office Building. This building is listed on the National Register of Historic Places. The Burden Iron Works Office Building was built between 1881 and 1886 for the Burden Iron Company.

The Phase IA assessment entailed documentary research for previously identified cultural resources within one mile of the project. Three precontact and two historic archeological sites were reported in the Office of Parks, Recreation and Historic Preservation (OPRHP) and New York State Museum (NYSM) site files. Two additional precontact sites were reported in the New York State Museum. Five properties listed on the National Register of Historic Places were also identified within one mile of the project. Historical maps from 1756 to 1993 were examined to illustrate the pattern of historical land use and development in the vicinity and to determine the historic sensitivity of the project area.

The Phase IB archeological field reconnaissance consisted of four backhoe-excavated trenches placed on the Burden Iron Works Museum property. Trenches 1 and 2 found underlying deposits consisting of multiple layers of industrial slag and building debris stretching down to at least 10 feet (3.0 m) in depth on the property. Trenches 3 and 4 were both stopped at approximately 3 feet (0.9 m) deep by a layer of slag that resembled solid bedrock. This solid slag also exists at ground surface along the Hudson riverfront in the vicinity of the property.

In both Trenches 3 and 4, a soil level was identified that dated to the time of original construction of the Burden Iron Work Museum. Several fragments of the original terracotta roof tile, nails, and brick fragments were encountered in this level. No archeological features were encountered during testing.

No further archeological investigation is recommended for the proposed restoration of the Burden Iron Works Museum.

CONTENTS

PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT

INTRODUCTION..... 1

PROJECT INFORMATION 1

Project Location 1

Project Description 1

ENVIRONMENTAL INFORMATION

Topography and Bedrock Geology 2

Vegetation and Forest Zone 2

Soils and Drainage 2

Man-made Features and Alterations..... 2

LITERATURE REVIEW 3

New York State Office of Parks, Recreation and Historic Preservation (OPRHP)

Archeological Sites..... 3

State and National Registers 5

Previous Surveys 6

New York State Museum

Archeological Sites..... 8

PRECONTACT AND HISTORICAL OVERVIEWS

Precontact Background 8

Historical Background

The City of Troy 10

Burden Iron Works Office Building 11

HISTORICAL MAP REVIEW 13

ARCHEOLOGICAL SENSITIVITY ASSESSMENT

Precontact Sensitivity Assessment..... 15

Historical Sensitivity Assessment 15

PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

INTRODUCTION..... 16

FIELD METHODS..... 16

FIELD RESULTS 16

DISCUSSION AND RECOMMENDATIONS..... 17

BIBLIOGRAPHY 19

MAPS

PHOTOGRAPHS

FIGURES

APPENDIX 1: Artifact Inventory

APPENDIX 2: Qualifications of the Principal Investigator

APPENDIX 3: OPRHP Project Review Cover Form

Map List

1. 1993 NYSDOT 7.5' Series *Troy South Planimetric Quadrangle*.
- 2a. 1998 Eastlake Architecture, P.C. *Master Plan: Restoration/Rehabilitation of the Burden Iron Works Museum*.
- 2b. Burden Iron Works Museum Project Area Map with Photo Angles and Trench Locations
3. c. 1756 *Map of the County of Albany*.
4. 1845 Beers *Troy, N.Y. from Actual Survey By S.A Beers*.
5. 1881 Hopkins *City Atlas of Troy, New York*.
6. 1891 Beers *Atlas of the Hudson River Valley from New York City to Troy*
7. 1903/1904 Sanborn *Troy, New York, Volume 1, Sheets 1 and 3*
8. 1928 USGS *15' Series Troy, New York Topographic Quadrangle*.
9. 1971 Sanborn *Troy, New York, Volume 2, Sheets 119 and 120*

Photograph List

1. View northeast of the Burden Iron Works Museum and the southwestern portion of the property with a collection of large historic artifacts on the ground surface.
2. View northwest of the Burden Iron Works Museum showing the man-made plateau it sits upon
3. View northeast of the east wall profile of Trench 1 showing multiple levels of fill to a final depth of 2.6 m (8.6 ft).
4. View northeast of the north wall profile of Trench 2 showing multiple levels of fill to a final depth of 3 m (9.8 ft).
5. View northwest of the north wall profile of Trench 3 showing three levels of fill on top of a solid slag surface.
6. View northwest of the west wall profile of Trench 4 showing four levels of fill on top of a solid slag surface.

Figure List

1. Trench 1, East Wall Profile.
2. Trench 2, North Wall Profile.
3. Trench 3, North Wall Profile.
4. Trench 4, West Wall Profile.

PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT

INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Erdman Anthony and Associates, Inc. for the City of Troy to conduct a Phase IA literature review and sensitivity assessment and Phase IB archeological field reconnaissance for the proposed restoration of the Burden Iron Works Museum at One Industrial Parkway in the City of Troy, Rensselaer County, New York. This archeological survey will be conducted under the provisions of Section 106 of the National Historic Preservation Act since TEA 21 funds will be utilized.

This archeological investigation also conforms to the standards established by the New York Archeological Council (NYAC) as adopted by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) (NYAC 1994).

PROJECT INFORMATION

Project Location

The Burden Iron Works Office Building is located at the west end of Polk Street at the address One Industrial Parkway in the City of Troy, New York (Map 1). The Hudson River lies to the west of the project area (Map 1).

Project Description

The Burden Iron Work Museum currently houses the Hudson Mohawk Industrial Gateway. The Museum was originally the Burden Iron Works Office Building built between 1881 and 1886 to hold the main offices of the Burden Iron Company. The proposed restoration of the Burden Iron Works Museum will include restoration and rehabilitation of the exterior and interior of the building to accommodate use of the space as a visitor destination in the South Troy Riverfront Pedestrian and Bicycle Trail, museum, and library. Improvements to the exterior surrounding area include underground utilities, parking lot, landscaping, restoration of a utility shed (the former gatekeeper's building), and construction of a steel ramp on the exterior of the building for handicapped access. The property that the Burden Iron Works Museum is located on is approximately 1.9 acres (Map 2a and 2b).

The current design and construction plans for the restoration show that most of the area surrounding the property will be converted into paved parking areas with landscaping and large historic artifacts on display. A concrete sidewalk will encircle the perimeter of the building and a handicapped access ramp will be constructed off the southeast corner of the building (Map 2a).

ENVIRONMENTAL INFORMATION

Topography and Bedrock Geology

The topography of the project area is almost all man-made and consists of a level, elevated plain on the east bank of the Hudson River. It is elevated approximately 20 feet (6.1 m) above the surface of the Hudson River. The underlying bedrock consists of Normanskill shale of the Lorraine, Trenton, and Black River Groups from the Middle Ordovician period of the Paleozoic era (Fisher et al. 1970).

Soils and Drainage

The project area is classified as Urban land described as heavily built-up residential and commercial areas. Some areas of this soil type were filled before development. This soil type is too variable to offer typical characteristics or a typical profile (USDASCS 1988).

Vegetation and Forest Zone

The potential natural vegetation in this region is the Northern Hardwoods forest zone. This type of zone is characterized by tall, broad-leaved deciduous forest with a mixture of needle-leaf evergreen trees. Maple, birch, beech, and hemlock are the dominant components of this zone (Küchler 1964). Currently, the project area consists of urban development and grass and scrub vegetation.

Man-Made Features and Alterations

Most of the project area has been affected by historic or modern filling, cutting, or other disturbance due to its location along the heavily industrialized riverfront in Troy. The Burden Iron Works Museum is circled by a one-lane gravel driveway. A concrete sidewalk extends from the steps on the front (east) side of the house to the southern edge of the property. The building's septic leach field is located on the west side of the gravel driveway near the northwest corner of the house.

LITERATURE REVIEW

New York State Office of Parks, Recreation and Historic Preservation (OPRHP)

Archeological Sites

The archeological site files of the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) were reviewed to identify reported archeological sites within one mile of the project area. Three precontact archeological sites and two historic archeological sites have been reported to the OPRHP (Table 1).

Table 1. OPRHP archeological sites within one mile of the project area.

OPRHP Site No.	Site Identifier	Site Description	Proximity to Project Area (PA)
A00104.000002	Schuyler Flatts	Precontact and historic site components. Precontact Archaic period settlement and historic development beginning in the 17 th century.	0.5 mi (0.80 km) west of the PA on the west bank of the Hudson River.
A00142.000155	Watervliet Arsenal Area southeast of Building Nineteen	Stray Find of Early Woodland Period chert blade.	0.4 mi (0.64 km) west of PA on the west bank of the Hudson River.
A08340.000024	Burden Iron Works Site (Upper)	Area of approximately 50 acres along the north and south banks of the Wynants Kill including structures, ruins, and archeological remains of the 19 th c. factory complex.	Adjacent to the southern terminus of the PA.
A08340.000063	Village Site	Precontact village site originally reported in 1920.	0.1 mi (0.16 km) east of the PA.

OPRHP Site No.	Site Identifier	Site Description	Proximity to Project Area (PA)
A08340.000089	Poesten Kill Gorge Historic District	Area of 37 a. along the steep banks of the Poesten Kill including extant structures, ruins, and archeological remains associated with the 17 th - to 20 th -c. industrial development of this area.	0.5 mi to 1 mi (0.80 to 1.61 km) east of the PA.

A00104.000002 (Schuyler Flatts) and A00142.000155 (Watervliet Arsenal Area southeast of Building Nineteen) are precontact sites identified on the west bank of the Hudson River. The Schuyler Flatts site also has a historic component consisting of historic development beginning in the 17th century with the Arent Van Curler farm in 1643 and the Schuyler House in 1672. From 1690 through the American Revolution, the Flatts and the Schuyler House were a camping ground, hospital, and social and military center. Nineteenth-century development on the Flatts included the Erie Canal along the western edge of the site and an ironworks. The Schuyler Flatts Site is listed on the National Register of Historic Places.

A08340.000024 (Burden Iron Works Site (Upper)) is identified as the site of the Burden Iron Upper Works complex from 1813 until its abandonment around 1900. The site covers approximately 50 acres on the north and south sides of the Wynants Kill in South Troy. Historical elements of the site on the north side of the Wynants Kill include the Troy Iron and Nail Factory (c. 1813), brick sluice gatehouse and dam, ruins of the Burden horseshoe-making shop (c. 1851), and the Woodside Presbyterian Church (1867) and Chapel (1883, rebuilt 1908). The south side of the Wynants Kill contains the site and ruins of the Burden Upper Works and the sites of the "Woodside" and Burden Homesteads. This site overall has not been significantly disturbed and is of great significance to the 19th-century history of the American industrial revolution. This site has been listed on the National Register of Historic Places.

The Village Site (A08340.000063) was identified from an older site file compiled by A.C. Parker in 1922. The A.C. Parker report explains the area as a precontact camp site with no other information provided.

The Poesten Kill Gorge Historic District (A08340.000089) consists of an area of 37 acres in southeast Troy along the steep banks of the Poesten Kill between Congress Street on the north and Linden Avenue on the south. The site includes extant structures, historic ruins, power sources, and archeological sites associated with industrial development in this area. Historical elements identified in the district include the Upper Mill Dam (1919), Mt. Ida Dam, Falls, Sluice Gatehouse

and Marshall Hydraulic Race (1840), Manning Hydroelectric Plant (1920), Troy File Works (c. 1870), Kellogg Machine Wire Mill (1850), Mt. Ida Cotton Factory (1840), Manning and Howland Paper Mill (1846), Tompkins Brothers Machine Works (1846), Griswold Wire Mill (1879), Ruff Flour Mill (1879), Cater Planning Mill (1832), Marshall Infirmary Steam Plant (late 19th century), and a mid- 19th-century tenement house. The Poesten Kill Gorge Historic District is listed on the National Register of Historic Places.

State and National Registers

The State and National Registers of Historic Places were reviewed to identify any properties or sites listed or determined eligible for listing on the registers. Two historic districts in the City of Troy, one historic building, and two sites listed on the National Register were located adjacent to the project area (Table 2).

Table 2. Properties or Sites Listed on the National Register adjacent to the project area.

OPRHP Inventory No.	Property Name	Description	Proximity to Project Area (PA)
A08340.000024	Burden Iron Works Site (Upper)	Area of approximately 50 acres along the north and south banks of the Wynants Kill including structures, ruins, and archeological remains of the 19 th -c. factory complex.	Adjacent to the southern terminus of the PA.
A08340.000089	Poesten Kill Gorge Historic District	Area of 37 a. along the steep banks of the Poesten Kill including extant structures, ruins, and archeological remains associated with the 17 th -to 20 th -c. industrial development of this area.	0.5 mi to 1 mi (0.80 to 1.61 km) east of the PA.
A00104.000002	Schuyler Flatts	Precontact and historic site components. Precontact Archaic period settlement and historic development beginning in the 17 th century.	0.5 mi (0.80 km) west of the PA on the west bank of the Hudson River.

OPRHP Inventory No.	Property Name	Description	Proximity to Project Area (PA)
-	Central Troy Historic District	Approximately 96 acres in the core of the city with 679 contributing buildings dating between 1787 and c. 1940.	Adjacent to the northern terminus of the PA.
-	Burden Iron Works Office Building	The office building for H. Burden & Sons Iron Co. built between 1881 and 1886.	At the west end of Polk Street, 0.1 mi (0.16 km) east of the PA.

The Burden Iron Works Site (Upper) (A08340.000024), Poesten Kill Gorge Historic District (A08340.000089), and Schuyler Flatts (A00104.000002) were each outlined in the OPRHP archeological sites section above.

The Central Troy Historic District is located in downtown Troy bounded by Grand Street on the north, Adams Street on the south, to River Street on the west, and as far as Sixth Street on the east. The district covers approximately 96 acres and includes 679 contributing features dating from 1787 to c. 1940. The Central Troy Historic District is noted as an intact and significant resource illustrating the evolution and development of Troy's historic commercial and residential center during the period from the late 18th to the early 20th century.

The Burden Iron Works Office Building located at the west end of Polk Street was built between 1881 and 1886 for H. Burden & Sons Iron Company. Up until 1925, this site served as the business office for the company whose manufacturing complexes were located south of the building along the Wynants Kill.

Previous Surveys

A search of the library at OPRHP revealed thirteen previous cultural resources survey reports conducted within one mile of the project area. An archeological study of the Schuyler Flatts Site (A00104.000002) was completed by Paul R. Huey in August 1974 for the Helderberg Workshop. Excavations encountered artifacts and features associated with the 17th-century occupation of the site (Huey 1975). Investigation of the site continued with HAA, Inc. in 2002 for the creation of a cultural park on the Flatts. Some precontact artifacts were recovered from the site. However, it was determined unfortunately that large portions of the site were disturbed by "pot hunting" and mechanical soil stripping (HAA, Inc. 2002a).

A cultural resources survey was conducted for the Woodbine Avenue Proposed Sewer Project by Duane T. and Theresa M. Murphy in September 1977. This survey was located 0.7 mile (1.13 km) west of the current project. No significant cultural resources were identified during this survey (Murphy and Murphy 1977).

Six cultural resources surveys have been completed between 1978 and 2002 at the Watervliet Arsenal located on the west side of the Hudson River from the about midpoint of the current project area. The earliest was completed by Rensselaer Polytechnic Institute's Public Archeology Program for Buildings 14 and 105 slated for removal (Rensselaer Polytechnic Institute Public Archaeology Program 1978). In 1984, Jeanette Collamer completed an archeological investigation of the Proof and Range Building 112 (Collamer 1984). Also that year, Tabor Historic and Archeological Consulting conducted an archeological survey for a proposed expansion of Building 41 (Tabor 1984). In May 2000, HAA, Inc. conducted an assessment of a precontact chert blade encountered during landscaping undertaken adjacent to Building 19 (HAA, Inc. 2000a). HAA, Inc. completed a survey for the Cannon Community Club Pavilion west of Building 41 in April 2002 (HAA, Inc. 2002b). Most recently, in September 2002 HAA, Inc. prepared a survey for the McNutt Lane expansion between Quarters 8 and Building 110 and 10 (HAA, Inc. 2002c). No archeological sites were identified by these surveys. The chert blade was the only precontact artifact found.

HAA, Inc. completed a cultural resources survey for the Wynantskill Hydroelectric Power Project in September 1985. The project was located adjacent to the southern terminus of the current project. Features and artifacts associated with the Burden Iron Works Site (Upper) were encountered during this survey. It was determined that the Burden Site would be avoided by realignment of the proposed project (HAA, Inc. 1985).

In March 1986, Ryan-Biggs Associates completed a cultural resources survey for the rehabilitation of the Second Street and Fourth Street Bridges over the Poesten Kill (PIN 1751.65). The Second Street Bridge was built sometime before 1917. The Fourth Street Bridge was originally built in 1886. Rehabilitation was recommended for both of the bridges (Ryan-Biggs Associates, P.C. 1986).

HAA, Inc. conducted a literature review and sensitivity assessment in July 1990 for the Rensselaer County Jail and Industrial Park. A portion of this survey is included in the current project area along the waterfront west of the Rensselaer County Jail. The survey determined that the area was sensitive to the presence of precontact and historic cultural resources associated with the Burden Iron Works and Office Building adjacent to the project area. Photos taken on the site visit of the project area showed historic features. Testing was recommended for any areas of ground disturbance and it was recommended that any historic features in the project area be mapped before any ground disturbing activities (HAA, Inc. 1990). Regrettably, no Phase IB archeological field testing was conducted before construction of the project began.

HAA, Inc. completed a cultural resources survey in January 2000 for the Troy Bike Path, which is the northern continuation of the current proposed trail. Archeological field reconnaissance encountered no intact historic or precontact cultural materials and confirmed that the project area consisted of already disturbed deposits from hundreds of years of urban modifications to the landscape (HAA, Inc. 2000b).

New York State Museum (NYSM)

Archeological Sites

The archeological site files of the New York State Museum (NYSM) were reviewed to identify reported archeological sites within one mile of the project area. Three precontact archeological sites were recorded in the NYSM site files (Table 3).

Table 3. NYSM archeological sites within one mile of the project area.

NYSM Site No.	Site Name and Description	Proximity to Project Area (PA)
1631	Schuyler Flatts (OPRHPA000104.000002). Outlined in OPRHP sites above.	0.5 mi (0.80 km) west of the PA, on the west bank of the Hudson River.
7372	Precontact camp.	Adjacent to south end of the PA.
8360	Beatty's Flatts, precontact site.	0.5 mi (0.80 km) west of the PA.

NYSM site 1631 was also reported in the OPRHP sites files, and their information is outlined above in that section.

NYSM site 7372 was identified from an older site file dated 1928.

NYSM site 8360 is identified in the area of Schuyler Flatts by R.E. Funk.

PRECONTACT AND HISTORICAL OVERVIEWS

Precontact Background

Precontact groups have long exploited the lower Mohawk and mid-Hudson valleys for their resources. Paleo-Indians, the earliest humans to occupy the Northeast, traveled in small bands and left little evidence of their occupation. Archeological data suggest that Paleo-Indians began to exploit the northeast region as early as 10,000 B.C. Paleo-Indian sites in New York occur in considerable numbers south of Lake Ontario in the northern parts of Cayuga, Onondaga, and Oswego Counties. There are no documented Paleo-Indian sites in Rensselaer County. Two isolated fluted point finds in Albany County are the closest evidence of this early culture. Funk notes that

Despite decades of investigation, there is...little evidence of human occupation in the Northeast over a period (ca. 7000-5000 B.C.) when Early Archaic Indians roamed in the southeast in some numbers... post glacial ecological change has been invoked as one possible explanation... If early Archaic groups were present in upstate New York, New England or other parts of the Northeast... They must have been widely disbursed, with an extremely low population density. At this time we have slight evidence of their existence (Funk 1976:232).

During the Late Archaic period (3000 to 1000 B.C.), the frequency of archeological sites increases rather dramatically in the lower Mohawk valley and mid- Hudson valley, as well as the rest of New York. The emergence of the Laurentian tradition culture in the region including Otter Creek, Vosburg, and Brewerton groups marks the onset of the Late Archaic period and expansion of regional occupation. Evidence of occupation by Otter Creek and Vosburg groups is most commonly found in the mid-Hudson valley and often includes ground stone tools that are analogs of tools found in the northeast arctic region including ulus, gouges, ground stone points, and plummets. A number of Laurentian sites have been found at the confluence of the Hoosic and Hudson rivers north of the project area.

Following the Laurentian culture, River and Sylvan Lake cultures became the predominant groups in the region during the Late Archaic period (3000 to 1000 B.C.). These cultures are known to have focused on smaller tributary streams and wetlands for resources. Archeological data suggests that the River and Sylvan Lake cultures exploited areas that contained oak trees and other floral resources for nuts and seeds as part of their subsistence. At the terminus of the Late Archaic period, Snook Kill groups populated the region (1400 B.C.).

The onset of the Woodland period (1000 B.C. to A.D. 1600) is marked by the use of pottery vessels and an increase in population density. The Early Woodland period is represented in the region by Meadowood and Middlesex cultures (760 B.C.). With the Middle Woodland period, we see the emergences of Fox Creek and Jack's Reef groups in the upper Hudson valley. Recently recovered archeological evidence suggests that during this time precontact groups began domesticating wild plant foods (A.D. 800). Recent findings by Hetty Jo Brumbach of the State University of New York at Albany suggest that the earliest cultivation of maize in the Northeast occurred around A.D. 1 (Hetty Jo Brumbach, personal communication 2003).

The Late Woodland period (A.D. 1000 to 1600) marks the beginning of agriculture in the Northeast. The reliance on the cultivation of corn, beans, and squash resulted in significant changes in settlement patterns including increased sedentism and accelerated population growth. Villages became larger with many occupying defensive fortifications. Ceramic technology became more refined and decorative techniques and patterns including collars and incised linear patterns were adopted.

The end of the Late Woodland and the beginning of the protohistoric period is marked by the introduction of European trade goods into the area during the 17th century. Territorialization distinguished certain parts of the state as larger Native American nations developed fixed homelands. Accordingly, the mid-Hudson valley was included in the territory of the Mahican confederacy. The Mahican territory extended from the Lake Champlain basin south into Dutchess County and covered parts of western Vermont and Massachusetts. Hostilities between the Mahicans and the Mohawks inhibited the use of land west of the Hudson River valley and likewise the Mohawks did not establish villages east of the Schoharie Creek. Typically, Mahicans selected hilltops overlooking river valleys for their palisaded villages, which featured bark-covered longhouses. Present data suggest that approximately 200 individuals commonly occupied the villages with at least three nuclear families housed in each longhouse. For subsistence the Mahicans depended mainly on a combination of horticulture, fishing, and hunting (Brasser 1978:198-200).

Historical Background

The City of Troy

In September of 1609 Henry Hudson and his Dutch crew sailed up the Hudson River. Arriving near the village of Schotak, he met an Indian Chief... The Indian brought the Dutch 'beaver skinnes and otter skinnes', which were bought for beads, knives and hatchets (Brasser 1978:198-200).

Beginning in 1610, the Dutch began a program of expansion of trade with the Mahicans thus exacerbating the hostilities between the Mahicans and Mohawks and fueling a trade war between the nations. The Dutch established permanent trading posts along the Hudson and negotiated a treaty between the Mahicans and Mohawks to stabilize relations between the nations. This treaty did not stop the Mahicans from monopolizing their trading position, however; they made the Mohawks pay for access into the trading posts (Brasser 1978:202). The continued expansion and control of the fur trade on the part of the Mahicans was of great concern to the Mohawks. Their fear that the Mahicans were attempting to forge a trade agreement with the Algonkians to the north provoked them into signing a treaty with both the French and Algonkians and resulted ultimately in a raid on the Mahicans in 1624. Upon their defeat, the Mahicans were forced to abandon their territory west of the Hudson (Brasser 1978:203).

During the first half of the 17th century, the Dutch West India Company negotiated the purchase of large tracts of land along the Hudson River from the indigenous peoples. The company subsequently offered this land to patentees on the condition that it be occupied for agricultural purposes and with strict limitations on the trade that was permissible between the colonists and aboriginal peoples. The motivation behind this pattern of development was the protection and stabilization of the fur trade (Brasser 1978:202).

Troy was formed as a town from the manor of Rensselaerswyck on March 18, 1791 (Hough 1872:562). Troy was incorporated as a village on April 2, 1801. On April 15, 1814, lands that had comprised the western edge of the Town of Brunswick since that town's erection in 1807 were annexed to the Village of Troy and became the 5th and 6th wards of the city when the charter was granted on April 12, 1816. At the beginning of the 19th century, Troy grew as a prosperous trading port located at the confluence of the Hudson and Mohawk Rivers. Population of the city reached 5,264 by 1820 (Spafford 1824:527-528). The city continued to bloom as a commercial center trading manufactured goods and raw materials when the Champlain and Erie Canals opened in 1823 and 1825. By 1830, there were 11,556 people living in Troy. Five years later that number had increased to 16,959 (Gordon 1836:651). The 1840 census identified 19,334 Trojans (Disturnell 1842:398).

Rapid economic growth continued into the mid-19th century. Troy was already a flourishing commercial center when entrepreneurs began to develop manufacturing industries. The regional abundant natural resources, powerful mountain streams to generate power for mills, and established transportation network made Troy as suitable for manufacturing as it was for commerce. By the 1860s, two main industries, iron and shirt and collar industries, prevailed over the city's and the regional economy (Turbin 1992:21). Inevitable increases in population were recorded by the censuses of 1850 (28,785), 1855 (33,269), 1860 (39,235), 1865 (39,293), and 1870 (46,465) (Hough 1872:565).

Troy's waterfront played an important role in its development as a trade, commercial, and manufacturing center. Shipping ports, shipping yards, manufacturers buildings and complexes lined the waterfront in the 19th and 20th centuries. Many of the large 19th century industrial complexes in the City of Troy were documented by the OPRHP building inventory and a survey conducted in 1973 by the Historic American Engineering Record. The survey included the Rensselaer Iron Works, Upper and Lower Burden Iron Works, and the Burden Office Building among numerous other historic landmarks of American engineering and industry. Historical and architectural information was collected and reviewed for each of these structures. The history of these structures matches the story of Troy's prosperity as an iron-manufacturing center in the mid- to late 19th century and eventual decline of the iron industry in Troy in the early 20th century (Vogel 1973).

Troy's population also began to decline by the 1930s as the flight to the suburbs and the movement of industry to the South continued to take its toll on the city. The urban renewal period of the 1960s and 1970s obliterated thousands of historic residential and commercial buildings in the downtown area. In more recent decade, Troy has begun a renovation and revitalization of its downtown and riverfront areas.

Burden Iron Works Office Building

One of the most prominent iron manufacturers in the United States in the 19th century was the Burden Iron Works of Troy, New York. The Upper Burden Iron Works located on the Wynants Kill approximately 200 feet (61.0 m) east of the Hudson River began as the Troy Iron & Nail Factory

Company in 1813 owned by John Converse and others. Henry Burden became superintendent of the works in 1822 and became owner of the works in 1848. He renamed it the Burden Iron Works. Burden became a major innovator in the American Iron Industry and invented a number of new machines to increase output. Burden produced finished iron products, such as nails, spikes, and horseshoes, as well as iron bars and sheets. The Burden Iron Works expanded in 1862 to meet the demands of the Federal Army during the Civil War when the Lower Burden Iron Works was constructed along the Hudson River south of the project area. H. Burden & Sons was formed in 1864. Henry Burden died in 1871, but the company continued under his sons James A. and I. Townsend Burden.

Despite business conflict between the brothers and increased competition, by 1881 the Burden Iron Company was at its peak and was capable of producing 600,000 kegs containing more than fifty million horseshoes, in addition to vast quantities of railroad spikes, rivets, and other iron products. The company had a capital of \$2 million. The Burden Iron Works Office Building was constructed during this period between 1881 and 1886 to hold the offices of the company.

Finished in 1886, the building was fitted with all "modern" utilities including indoor plumbing, gas and electric lights, and telephone and telegraph wires. Unfortunately a period of decline for the Burden Iron Company was foddered by continuous disputes between the Burden brothers, as well as "technological stagnation and the changing geography and composition of the American Iron Industry" (Vogel 1972:92).

The Burden Iron Company declined from 1900 to 1925 when the Republic Steel Corporation bought the Lower Burden Iron Works and Office Building. The office building was used by Republic until 1940 when it was emptied of all of the accumulated company records and closed. Republic Steel Corporation continued to operate the works until 1972. After the building was closed in 1940, salvagers took most of the removable architectural decoration and building components from the interior including cherry paneling, brass fixtures, and window glass.

The building was saved from destruction in 1974 by the Hudson Mohawk Industrial Gateway organization. The Burden Iron Works Office Building was purchased from Republic Steel for ten dollars and quickly raised money to complete a historic structure report and stabilize the building. Restoration work on the building has been progressing for the past three decades.

The Burden Office Building is the one of the few standing reminders of the industrial history of Troy and is now listed on the National Register of Historic Places. Today the restoration of the building is only partly complete. However, grant funding received from the New York State Department of Transportation (TEA 21 Grant) and the New York State OPRHP (Clean Water/ Clean Air Bond Act Grant) will be used to complete the restoration and rehabilitate the interior of the building into an industrial heritage museum.

HISTORICAL MAP REVIEW

Maps depicting the project area from c. 1756 to 1993 illustrate the pattern of land use and development and assist to determine the historic sensitivity of the project area. These include one 18th-century map, 19th-century landowner maps, 19th- and 20th-century Sanborn Fire insurance maps, and 20th-century United States Geological Survey (USGS) maps. These maps document a high level of industrial development surrounding the project area in the second half of the 19th century. The first historic map to depict the Burden Iron Works Museum was produced in 1891. The historical maps are discussed in chronological order.

c. 1756 Map of the County of Albany (Map 3)

An early map of the region drawn c. 1756 depicts the first European development in the city of Troy. Four structures appear along the waterfront in what will become the City of Troy. One structure occurs in the vicinity of the project area.

1845 Beers Troy, N.Y. from Actual Survey By S.A Beers (Map 4)

The 1845 Beers map depicts the City of Troy at the beginning of its industrial expansion (Map 4). This map does not include the area south of Polk Street. The Burden Iron Works Museum is not depicted. Most of the city's streets are in their modern alignment, and the city grid has been divided into building lots. No industrial development is shown in the location of the project area although the surrounding blocks have been divided into residential lots.

1881 Hopkins City Atlas of Troy, New York. (Maps 5)

The 1881 Hopkins map shows a plan representation of the vicinity of the project area (Map 5). The Lower Burden Iron Works was developed south of the project area in 1862 (Vogel 1973:96). Railways occupy the surrounding areas to the south, west, and east of the project area. The area east of the New York Central and Hudson Railroad is residential; mostly occupied by workers at the Burden Iron Works and their families.

1891 Beers Atlas of the Hudson River Valley from New York City to Troy (Map 6)

The 1891 Beers map is the first map to depict the Burden Iron Works Museum (Map 6). A line drawn on the original map to divide the city into wards partially obscures the building. The Burden Iron Company is located south of the project area. No other development is shown in the vicinity of the project area.

1903/1904 Sanborn Troy, N.Y., Volume 1, Sheets 1 and 3 (Map 7)

The 1903 and 1904 fire insurance map published by the Sanborn Map and Publishing Company, Ltd. depicts the Burden Iron Works Museum. The Burden Iron Company Steam Mill is located south of the project area. Railways extend along the riverfront west of the project area. No other development is shown surround the building.

1928 USGS Troy Quadrangle, New York (Map 8)

The first 20th-century map in his review was produced by the USGS in 1928 (Map 8). Industrial development still characterizes the riverfront in the vicinity south of the project area. Railways occupy most of the area east and west of the building. Dense urban development characterizes the area east of the building in Troy.

1971 Sanborn Troy, N.Y., Volume 1, Sheet 1 (Map 9)

Sanborn Map and Publishing Company produced another fire insurance map of Troy in 1971 (Map 9). The former Burden Iron Works Company is now owned by the Republic Steel Corporation. The Burden Iron Museum is vacant at this time. No other development is shown around the building. A 3 inch water pipe leads to a triple hydrant about 50 feet (31.5 m) southwest of the Burden Iron Works Museum Building. Railways still occupy most of the area to the east and west of the project area.

1993 NYSDOT Troy South Quadrangle, New York, 7.5 Minute Series (Map 1)

The 1993 New York State Department of Transportation (NYSDOT) quadrangle is the most recent map of the project area (Map 1). The map depicts the area south of the Burden Iron Works Museum as somewhat dispersed industrial development. The Rensselaer County Jail southwest of the project area is shown partially constructed on this map. No other development is shown in the vicinity of the building.

ARCHEOLOGICAL SENSITIVITY ASSESSMENT

Precontact Archeological Sensitivity

The entire project area is located on the east bank of the Hudson River. Along rivers, streams, and lakes were favorable locations for Native American occupation and usually tend to have a high sensitivity for precontact archeological resources. The Burden Iron Work Museum has five previously recorded precontact sites within one mile. Based on these reports and the location of the project area, the precontact sensitivity of the project area is considered moderate. However, most of the project area has been disturbed by historic alterations, such as filling and building construction, and the shallow subsurface impact of this project will not likely reach the depth of natural soils. Based on this, the project area has a low sensitivity for the presence of intact precontact archeological deposits.

Historic Archeological Sensitivity

There are no map-documented structures in the project area or in the immediate vicinity of the project area previous to the construction of the Burden Iron Works Museum between 1881 and 1886. The area surrounding the Burden Iron Works Museum appears to have never been significantly impacted, since the building has been in its current condition from the late 19th century. Therefore, there is a moderate sensitivity for historic cultural material associated with the structure in its surrounding vicinity.

PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

INTRODUCTION

The Phase IB archeological field reconnaissance for the proposed restoration of the Burden Iron Works Museum was conducted on September 26, 2003. Kevin L. Moody and Matthew Lesniak were the field crew, and Tracy S. Miller was the Project Director. Karen S. Hartgen was the Principal Investigator.

FIELD METHODS

The archeological field reconnaissance for the Burden Iron Works Museum consisted of four backhoe-excavated trenches in the project area to test for the presence of archeological deposits. (Map 2b). The trenches were each placed in a different corner of the property. The areas along the eastern and western boundaries of the property could not be tested because of several public utilities in those areas. The septic leach field is located west of the gravel driveway near the northwest corner of the house. The property is mostly flat with some trees and bushes growing along the western, southern and eastern boundaries. Large historical metal artifacts are located throughout the southern portion of the property (Photo 1). The building is sited on an approximately 1.5-foot (0.46-m) tall man-made plateau above the surrounding property (Photo 2). A brick one-story shed, which was the former gatehouse, is located in the southeast corner of the property (Map 2b). No surface evidence of other historical features exists.

Each backhoe trench was excavated 25 feet (7.6 m) long by 4 feet (1.2 m) wide. The trenches provided stratigraphic soil profiles of the underlying soils. These excavations were completed by a qualified trackhoe operator under direction by an archeologist in order to carefully identify any archeological features or deposits. The excavation of each of the trenches continued to the lowest possible depth that the backhoe could excavate. No naturally deposited soils were encountered in any of the trenches. The trench profiles were documented with scaled drawings and photographed.

Cultural material including coal slag and ash, bricks, and roof tiles were recovered from the trenches. The only cultural material collected included bricks with maker's marks and building debris most likely associated with the Burden Iron Works Museum building. All other cultural material was noted but not collected.

FIELD RESULTS

Trench 1 was placed near the southwest corner of the property and oriented north to south (Map 2b). The trench was excavated to a total depth of 2.6 meters (8.5 ft). Excavation was terminated because the backhoe could no longer penetrate the heavy fill beyond this depth. Ten levels of historic fill and industrial waste were encountered. The levels ranged from 5 to 70 cm (2.0

to 27.6 in) in depth and consisted of various historic fill types from sand with cobbles and large brick fragments to coal slag and ash (Photo 3 and Fig 1). At the south end of the trench, a 2.5 cm (1 in) thick cement pad was uncovered approximately 30 cm (11.8 in) below ground surface. The cement was very brittle and broke into pieces as it was scraped by hand. It was left in place and the excavation of the trench continued northward. There was no difference between the stratigraphy below the cement pad and the remaining northern portion of the trench. One brick with a maker's mark was recovered from Level IX of the excavation, which read "ANNES & SON/ EXTRA/ AMBOY." No other cultural material was collected from Trench 1.

Trench 2 was excavated in the southeast corner of the property oriented east to west (Map 2b). Excavation encountered eight levels of historic fill and industrial waste and was terminated at a maximum depth of 3 meters (9.8 ft) when the backhoe could no longer penetrate the heavy fill soils. The levels ranged from 10 to 120 cm (3.9 to 47.2in) thick and consisted of sand with cobbles and brick fragments to coal slag and ash (Photo 4 and Fig 2). Two bricks with maker's marks were collected from Level IV of Trench 2. They read: "SALAMANDER WORKS/ NO. 1/ WOODBRIDGE N.J." and "... TRANDER/ NO. 1/ N.Y." No other cultural material was collected from Trench 2.

Trench 3 was excavated in the northeast corner of the property oriented east to west (Map 2b). Excavation encountered three levels of fill above a layer of rock-solid blast furnace slag that was impenetrable by the backhoe. Level I consisted of very dark brown, sandy gravel about 26 cm (10.2 in) thick. Level II consisted of coal slag and ash and was approximately 50 cm (19.7 in) thick. Level III was dark olive brown sandy gravel about 13 cm (5.1 in) thick to the top of the solid blast furnace slag (Photo 5 and Fig 3). Fragments of terracotta roof tiles, brick fragments, and a freshwater clamshell were recovered from Level 3 of the trench.

Trench 4 was excavated west of the building extending north to south. The trench encountered four fill levels before being stopped by a layer of rock-solid blast furnace slag that was impenetrable by the backhoe. Level I consisted of very dark gray sandy gravel approximately 58 cm (22.8 in) thick. Level II was very dark gray sand with pieces of gray blast furnace slag. Level III consisted of dark olive brown sand with gravel about 6 cm (2.4 in) thick (Photo 6 and Fig 4). Numerous fragments of terracotta roof tiles and iron alloy nails were recovered from Level II of the trench.

DISCUSSION AND RECOMMENDATIONS

The depth of natural soil was not reached by any of the backhoe tests excavated during this Phase IB. Since the deepest trench reached a depth of 3 meters (9.8 ft) without encountering natural soil, it is very unlikely that any subsurface impacts associated with this proposed restoration also will ever impact any natural soils.

Level III of Trench 3 and Level II of Trench 4 encountered fragments of terracotta roof tiles. According to Thomas Carroll, the director of the Hudson Mohawk Industrial Gateway at the Burden Iron Works Museum, these are fragments of the original roof tiles of the building (personal communication 2003). The fragments were recovered from the same deposit, which is most likely the layer deposited during the construction of the Burden Iron Works Museum between 1881 and 1886. This deposit also included nails and brick fragments that appeared to match the color, size, and consistency of the bricks of the Burden Iron Works Museum building. This deposit was not encountered in Trenches 1 or 2, which were located further distances from the building.

The solid layer of slag encountered in Trenches 3 and 4 was formed by dumping large ladle cars full of molten slag produced by the blast furnaces at the Lower Burden Iron Works located just south of the project area (Map 5). This activity was more than likely only practiced before the building was constructed since it lies below the building construction deposit and would have been too offensive of an activity to practice so close to the office building of the company owners.

The multiple and deep reaching levels of historical fill that characterized Trenches 1 and 2 were the result of historic dumping prior to the construction of the Burden Iron Works building. This activity was typical along the entire Troy riverfront, as documented by the Phase I Hazardous Waste Assessment report for the Proposed South Troy Industrial Park Road prepared by Erdman Anthony and Associates, Inc. in July 2002. In the report, previous subsurface testing is said to have found historic fill 5 to 40 feet (1.5 to 12.2 m) deep in most areas along the riverfront (Erdman Anthony 2002).

Except for the terracotta roof tiles, which will be used as a template for the roof restoration, no significant cultural deposits or features were encountered during the Phase IB investigation of the property. No additional archeological investigation is recommended for the proposed restoration of the Burden Iron Works Museum.

BIBLIOGRAPHY

Beck & Pauli

- 1881 *Panorama of Troy, NY*. Beck & Pauli, Milwaukee. Library of Congress, Washington, D. C.

Beers, F.W.

- 1891 *Atlas of the Hudson River Valley from New York City to Troy*. Watson & Co., New York.

Beers, S. A.

- 1845 *Troy, N. Y. from Actual Survey*. G. & W. Endicott, Lith., New York. Found at Rensselaer County Historical Society (RCHS 71.142.2), Troy, New York. Also New York State Library, Manuscripts and Special Collections, Albany, New York and Troy Public Library, Troy, NY.

Brasser, T.J.

- 1978 Mahican. In *Northeast*, edited by Bruce G. Trigger, pp. 198-212. *Handbook of North American Indians*, vol. 15, W.C. Strutevant, general editor, Smithsonian Institution, Washington, D.C.

Collamer, Jeanette R.

- 1984 *Stage IA & IB Archeological Investigation, Area of the Proof Range – Building 112, Watervliet Arsenal, Watervliet, New York*. On file at OPRHP, Waterford, New York.

Disturnell, J.

- 1842 *A Gazetteer of the State of New York*. J. Disturnell, Albany, New York.

Eastlake Architecture, P.C.

- 1998 *Master Plan: Restoration/Rehabilitation of the Burden Iron Works Museum*.

Erdman Anthony and Associates, Inc.

- 2002 *Phase I Hazardous Waste Assessment Technical Report, Proposed South Troy Industrial Park Road, City of Troy, Rensselaer County, New York*. Found at HAA, Inc., Rensselaer, New York.

Fisher, D.W., Y.W. Isachsen, L.V. Rickard

- 1970 *Geological Map of New York, Hudson-Mohawk Sheet*. New York State Museum and Science Service, Albany, New York.

Funk, Robert E.

- 1976 *Recent Contributions to Hudson Valley Prehistory*. New York State Museum

Memoir 22. New York State Museum, Albany, New York.

Gordon, Thomas F.

1836 *Gazetteer of New York State*. R. Pearsall Smith, Syracuse, New York.

Hartgen Archeological Associates, Inc. (HAA, Inc.)

1985 *Stage I Cultural Resource Survey for the Wynantskill Hydroelectric Power Project, Troy, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.

1990 *Report for Archeological Potential, SEQR Parts 1A & 3, Rensselaer County Jail and Industrial Park, City of Troy, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.

2000a *Archeological Assessment of an Aboriginal Chert Blade Found Near Building Nineteen, Watervliet Arsenal Watervliet, New York*. On file at OPRHP, Waterford, New York.

2000b *Phase IA Archeological Sensitivity Assessment and Phase IB Archeological Field Investigation, Troy Bike Path, City of Troy, Rensselaer County, New York*.

2002a *Archeological Investigation, Schuyler Flatts Cultural Park, Town of Colonie, Albany County, New York*. On file at OPRHP, Waterford, New York.

2002b *Phase IA Literature Review and Phase IB Archeological Field Investigation, Addendum, Proposed Pavement Expansion, MacNutt Lane, Cannon Community Club Pavilion, Watervliet Arsenal, City of Watervliet, Albany County, New York*. On file at OPRHP, Waterford, New York.

2002c *Phase IA Literature Review and Phase IB Archeological Field Investigation, Addendum, Proposed Pavement Expansion, MacNutt Lane, Between Quarters 8 and Buildings 110 and 10, Watervliet Arsenal, City of Watervliet, Albany County, New York, Solicitation #DAAA22-02-Q-0255*. On file at OPRHP, Waterford, New York.

Hopkins, Griffith Morgan

1881 *City Atlas of Troy, New York*. F. Bourquin, Philadelphia, Pennsylvania.

Hough, F. B.

1872 *Gazetteer of the State of New York*. Andrew Boyd, Albany, New York.

Huey, Paul R.

1975 *Archeology at the Schuyler Flatts*. On file at OPRHP, Waterford, New York.

Klein, John

1818 *Map of the City of Troy from Actual Survey*. Albany: C. Wright. Reproduced in A. J. Weise, *History of the City of Troy*. William H. Young, Troy, New York,

Küchler, August W.

1964 *Potential Natural Vegetation of the Conterminous United States*. American Geographical Society, New York.

Map of the County of Albany

c.1756 *Map of the County of Albany*. Crown Collection. cxxi/9-2, The British Library, London. (Photostatic copy in the New York State Archives, Albany, New York).

Munsell Color

2000 *Munsell Soil Color Charts*. GretagMacbeth, New Windsor, New York.

Murphy, Duane T. and Theresa M. Murphy

1977 *Additional Stage I Archeological Survey, Town of Colonie, New York, Woodbine Avenue Proposed Sewer Project*. On file at OPRHP, Waterford, New York.

New York Archaeological Council (NYAC)

1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections*. NYAC, n.p.

New York State Department of Transportation (NYSDOT)

1993 *7.5' Series Troy South Planimetric Quadrangle*. NYSDOT, Albany, New York.

Parker, Arthur C.

1922 *The Archeological History of New York State*. New York State Museum Bulletin, Parts I and II, No.s 235-238. NYSM, Albany, New York.

Phelan, Thomas

1985 *Hudson Mohawk Gateway: An Illustrated History*. Windsor Publications, Northridge, California.

Rensselaer Polytechnic Institute Public Archaeology Program

1978 *Archeological Investigation, Watervliet Arsenal, Watervliet, New York*. On file at OPRHP, Waterford, New York.

Rittner, Don

2002 *Troy: A Collar City History*. Arcadia Publishing, Charleston, South Carolina.

Ryan-Biggs Associates, P.C.

1986 *Bridge Rehabilitation Project Report, PIN 1751.65, Second and Fourth Street over the Poesten Kill, City of Troy, Rensselaer County*. On file at OPRHP, Waterford, New York.

Sanborn Map and Publishing Company, Ltd.

1903/1904 *City of Troy, New York, Volume 1, Sheets 1 and 3.* Sanborn Map and Publishing Company, Ltd., New York, New York.

1971 *City of Troy, New York, Volume 2, Sheets 119 and 120.* Sanborn Map and Publishing Company, Ltd., New York, New York.

Spafford, Horatio Gates

1824 *A Gazetteer of the State of New York.* B.D. Packard, Albany, New York.

Tabor Historic and Archeological Consulting

1984 *Cultural Resource Survey, Proposed Expansion of Building #41, Watervliet Arsenal, Watervliet, Albany County, New York.* On file at OPRHP, Waterford, New York.

Turbin, Carole

1992 *Working Women of the Collar City.* University of Illinois Press, Urbana, Illinois.

United States Department of Agriculture Soil Conservation Service (USDASCS)

1988 *Soil Survey Rensselaer County, New York.* In cooperation with the Cornell University Agricultural Experimentation Station. U.S. Government Printing Office, Washington, D.C.

United States Geological Survey (USGS)

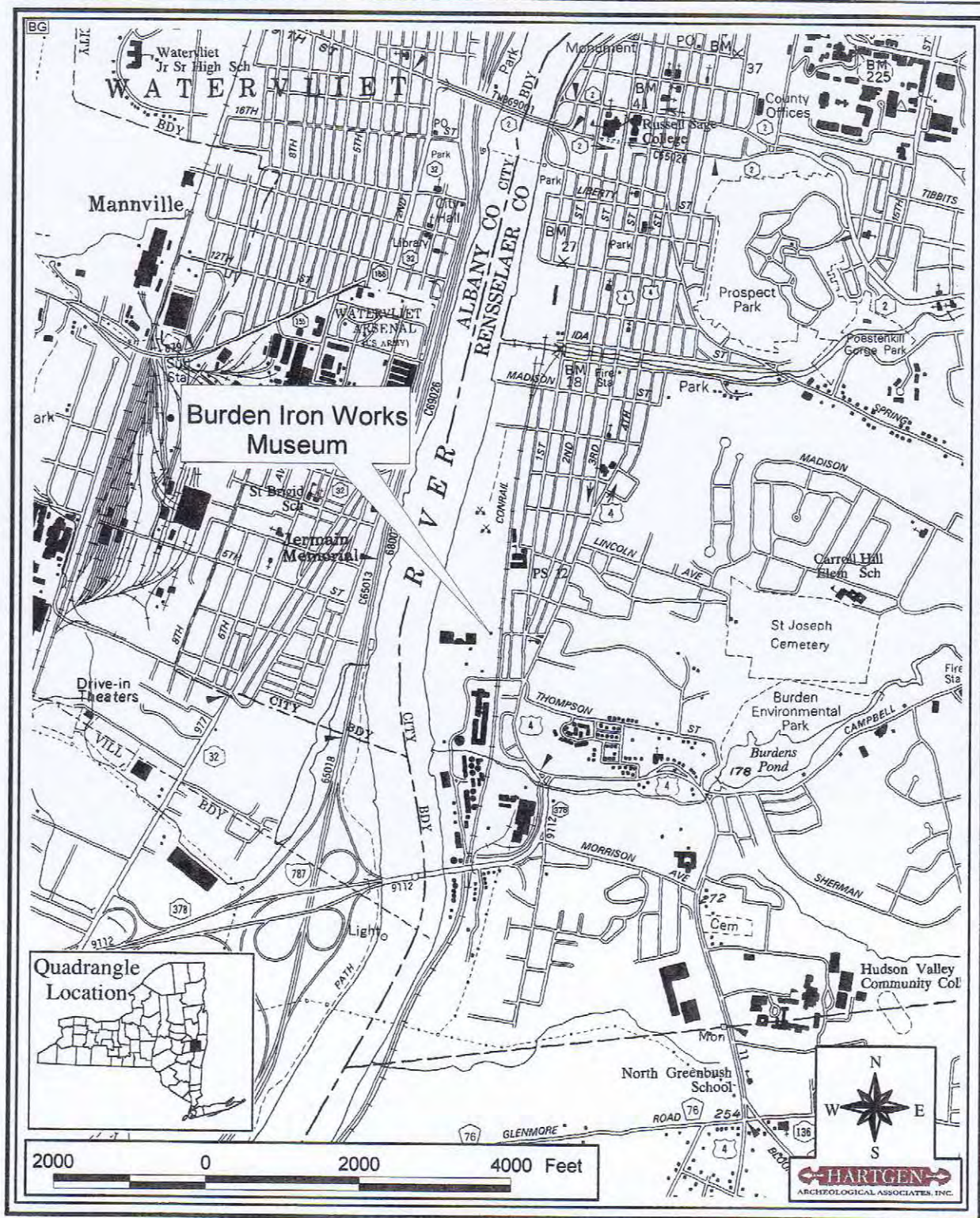
1928 *7.5' Series Troy South, New York Topographic Quadrangle.* USGS, Washington, D.C.

Vogel, Robert M., ed.

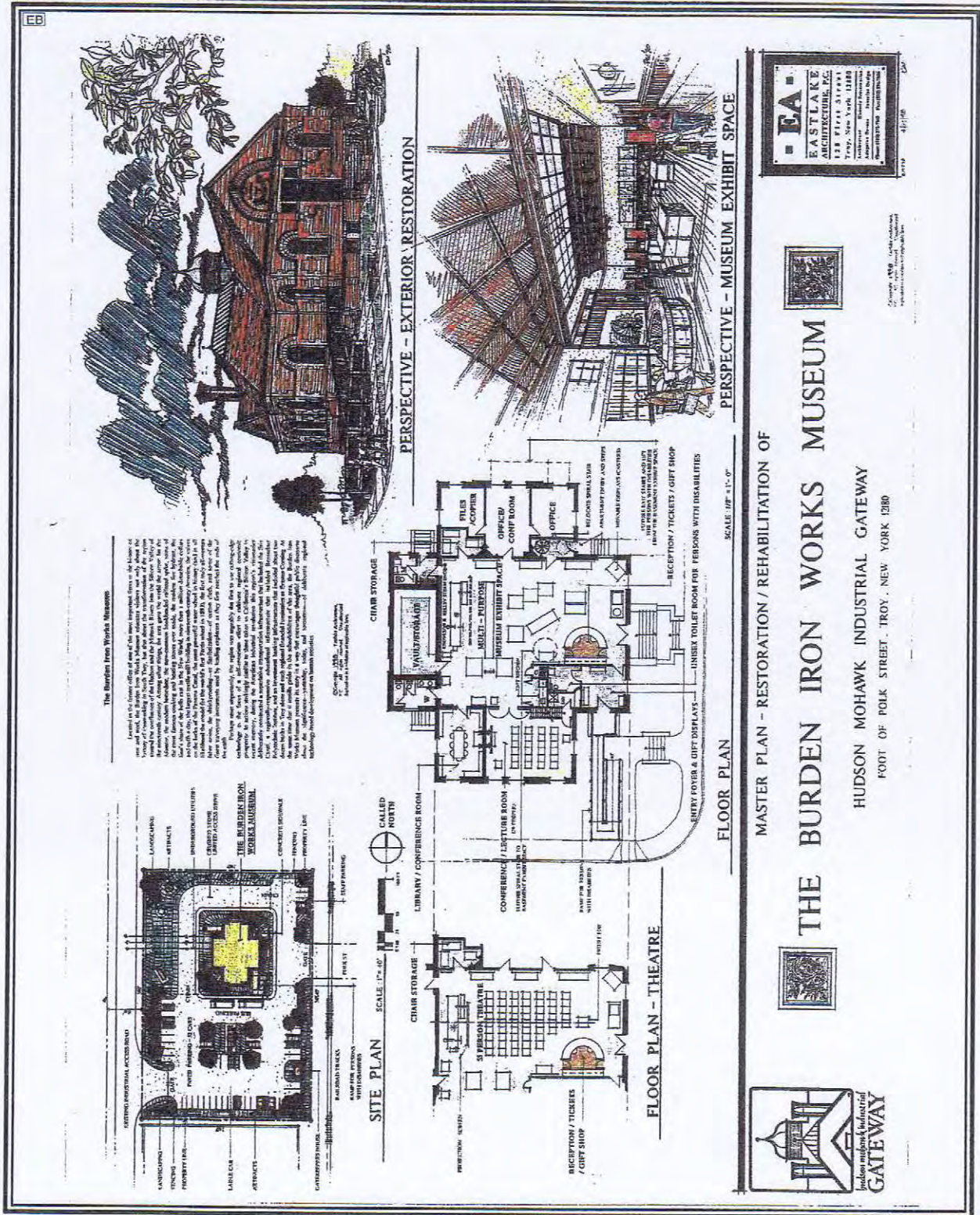
1973 *A Report of the Mohawk-Hudson Area Survey.* Smithsonian Studies in History and Technology, Number 26. Smithsonian Institution Press, Washington, D.C.

MAPS

Phase IA/IB Archeological Investigation Burden Iron Works Museum

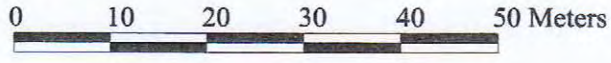
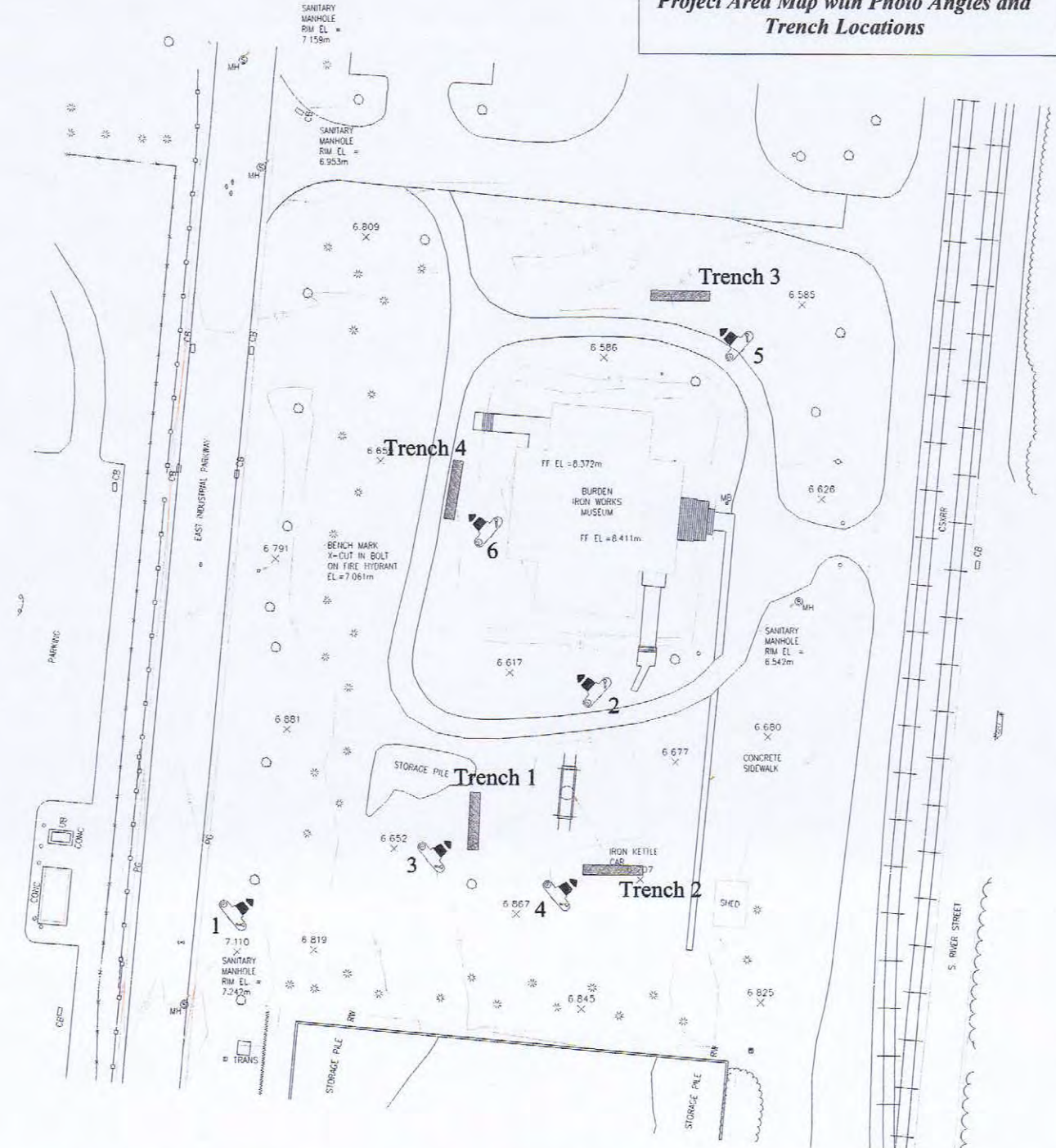


Map 1
1993 NYSDOT 7.5' Series Troy South Planimetric Quadrangle

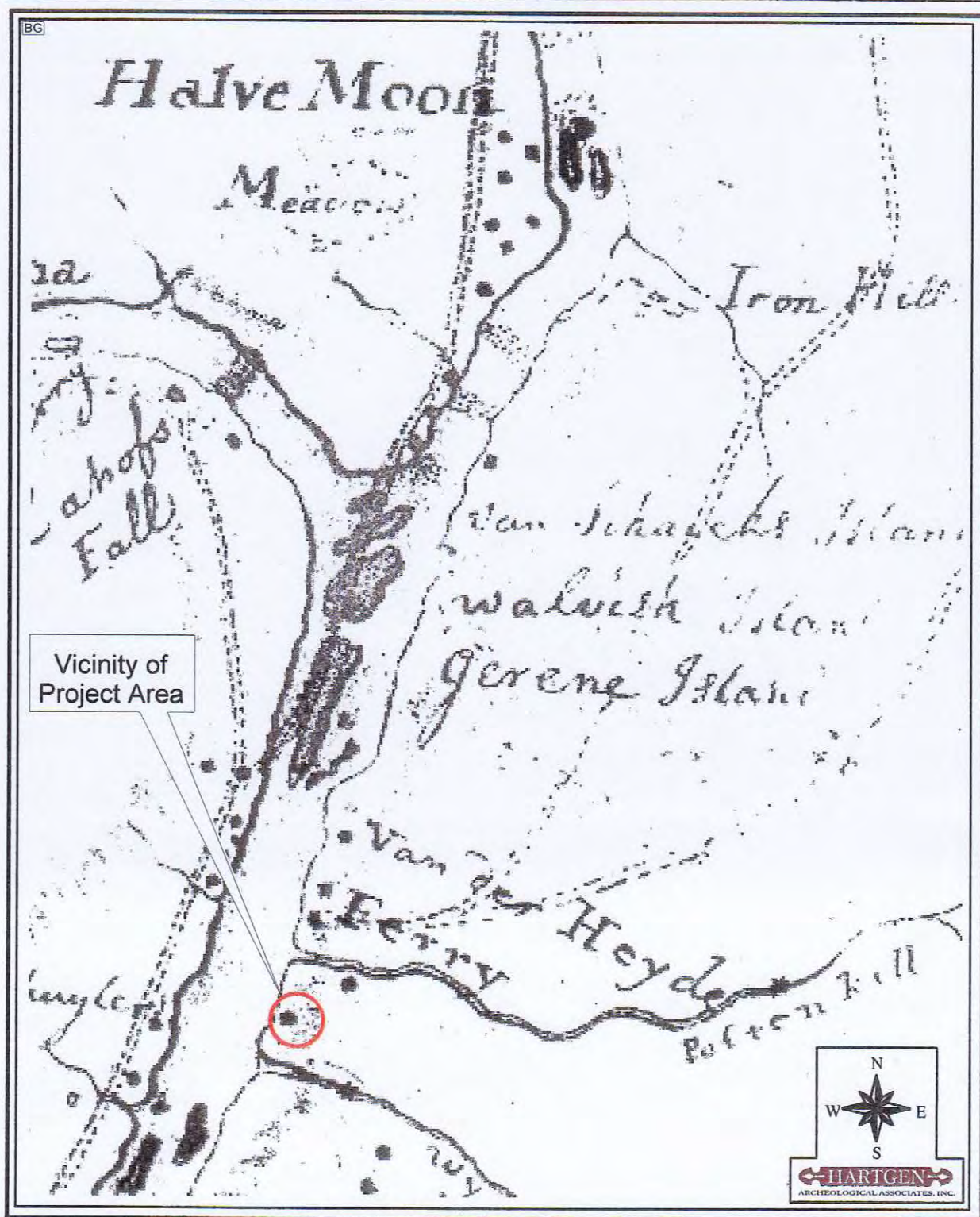


1998 Eastlake Architecture, P.C. Master Plan: Restoration/Rehabilitation of the Burden Iron Works Museum
 Hartgen Archeological Associates, Inc. December 2003

**Burden Iron Works Museum
Project Area Map with Photo Angles and
Trench Locations**

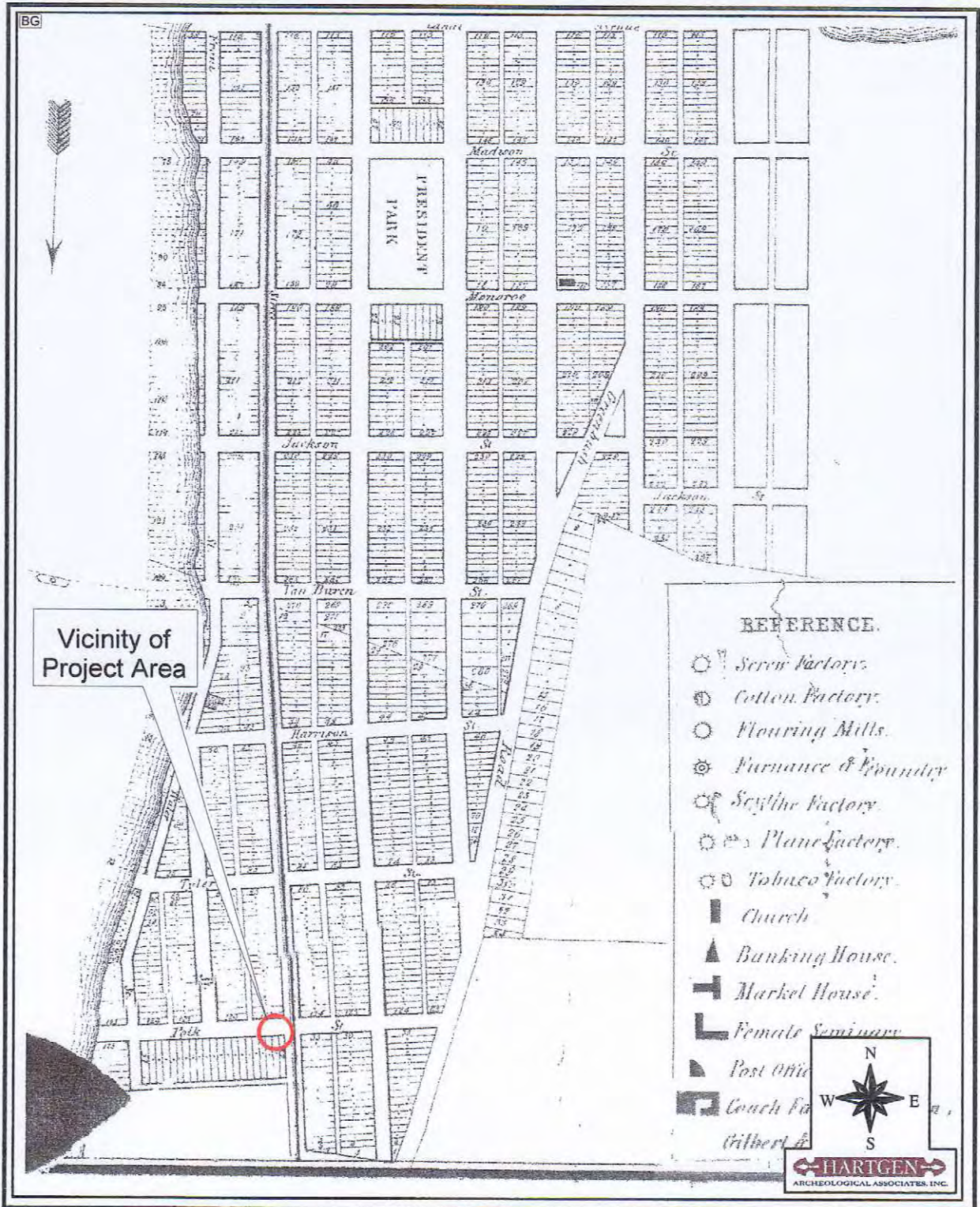


Map 2b

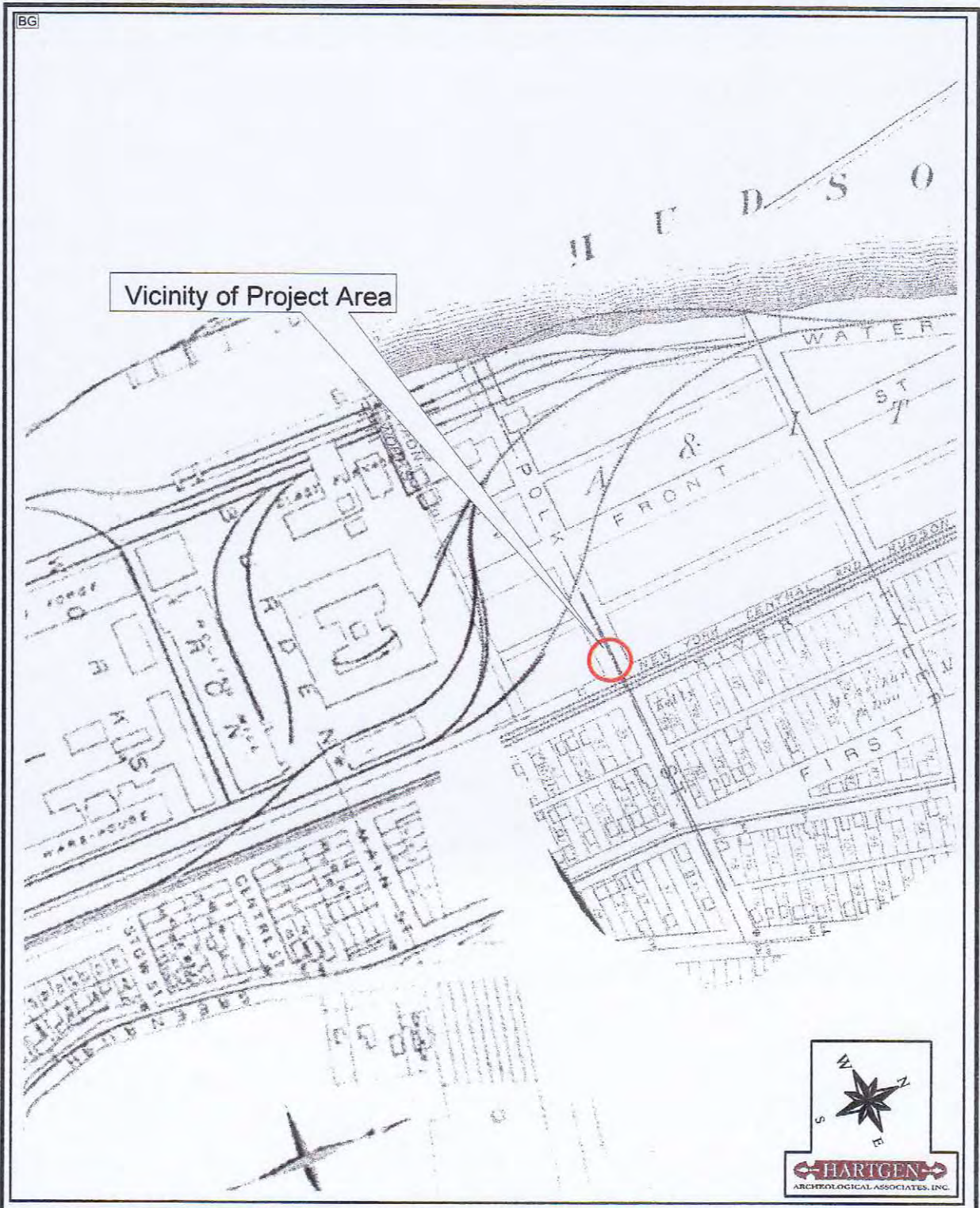


Map 3
c. 1756 British Museum *Map of the County of Albany*

Phase IA/IB Archeological Investigation Burden Iron Works Museum

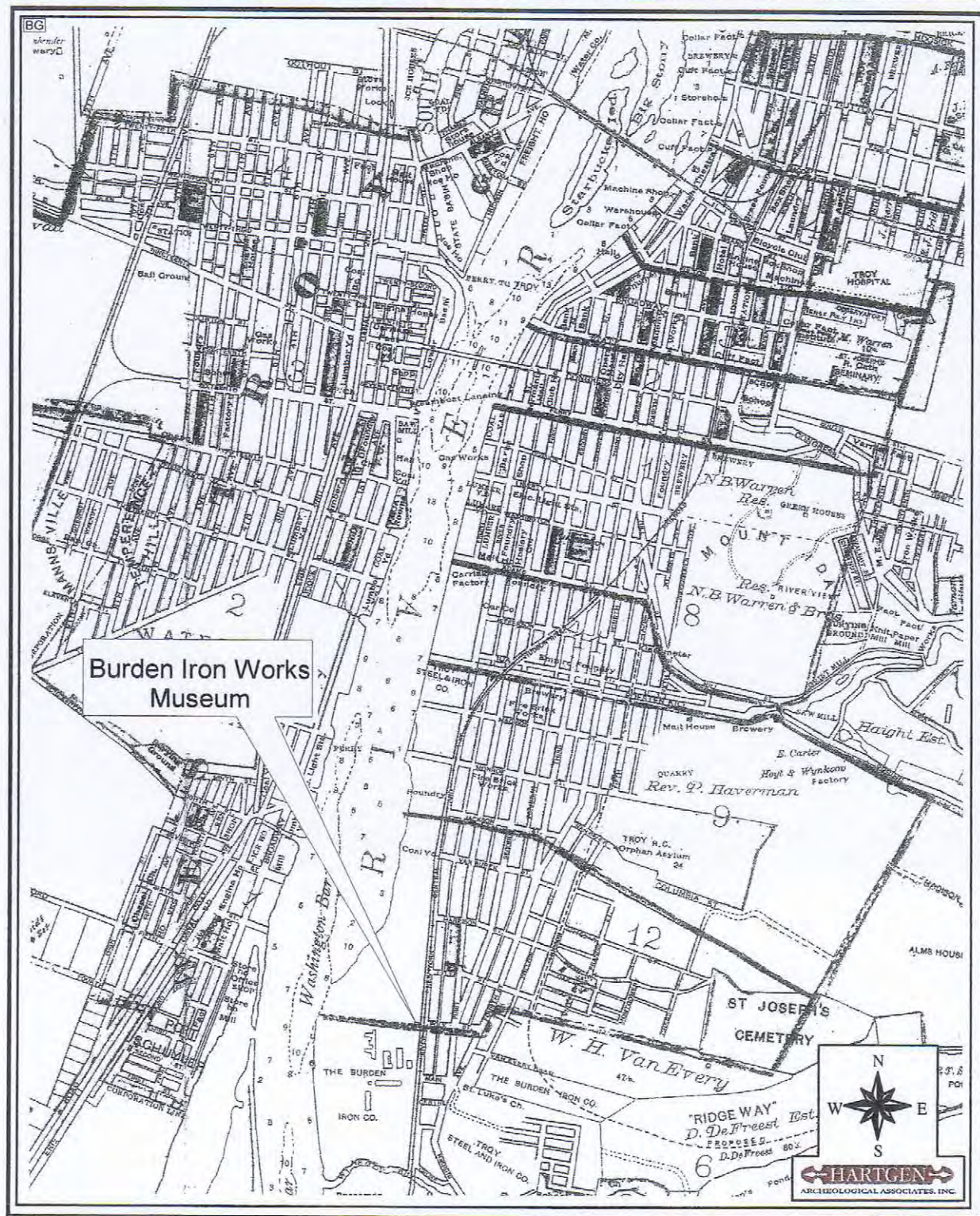


Map 4
1845 Beers Troy, N.Y. from Actual Survey By S.A. Beers



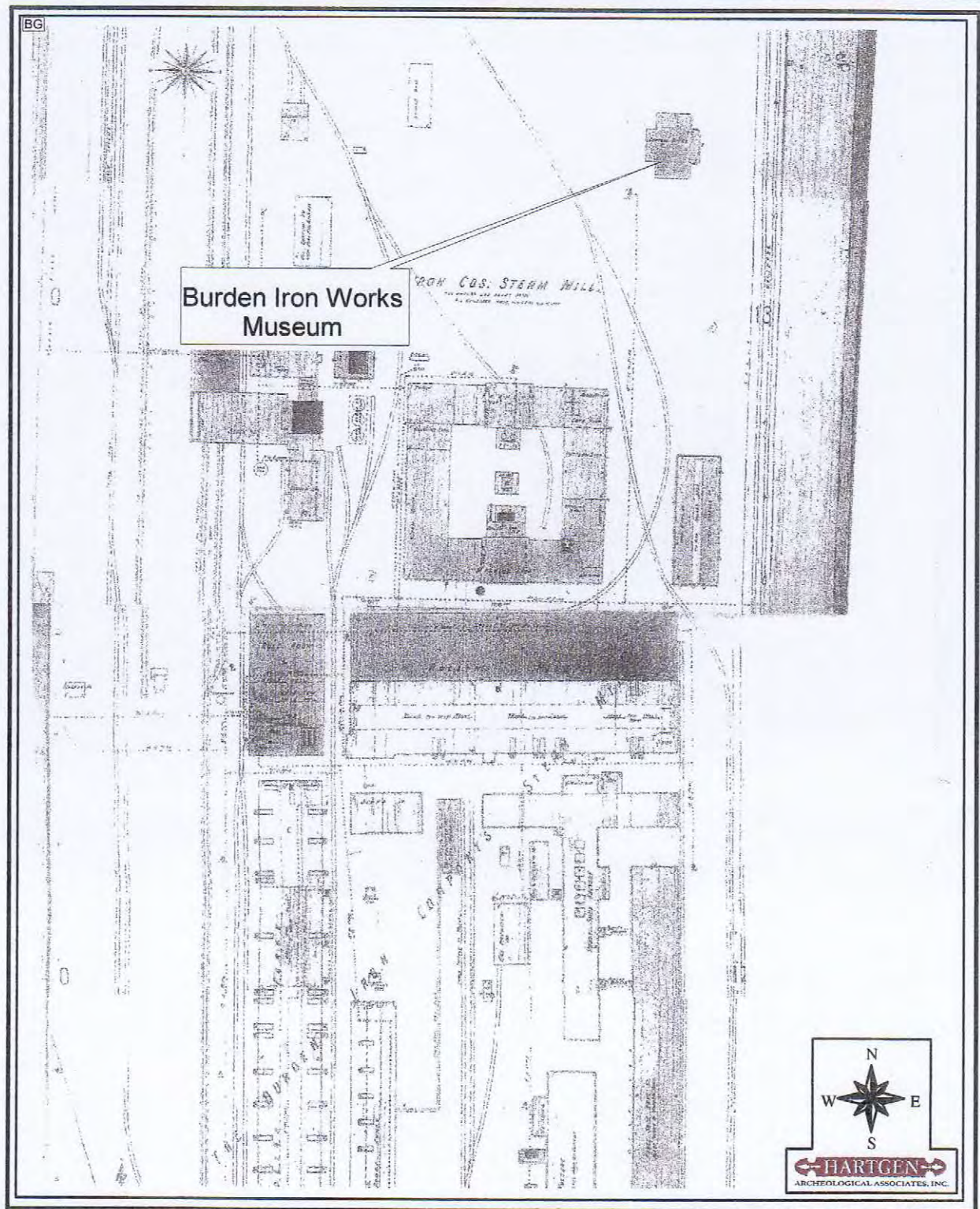
Map 5
1881 Hopkins City Atlas of Troy, New York

Phase IA/IB Archeological Investigation Burden Iron Works Museum



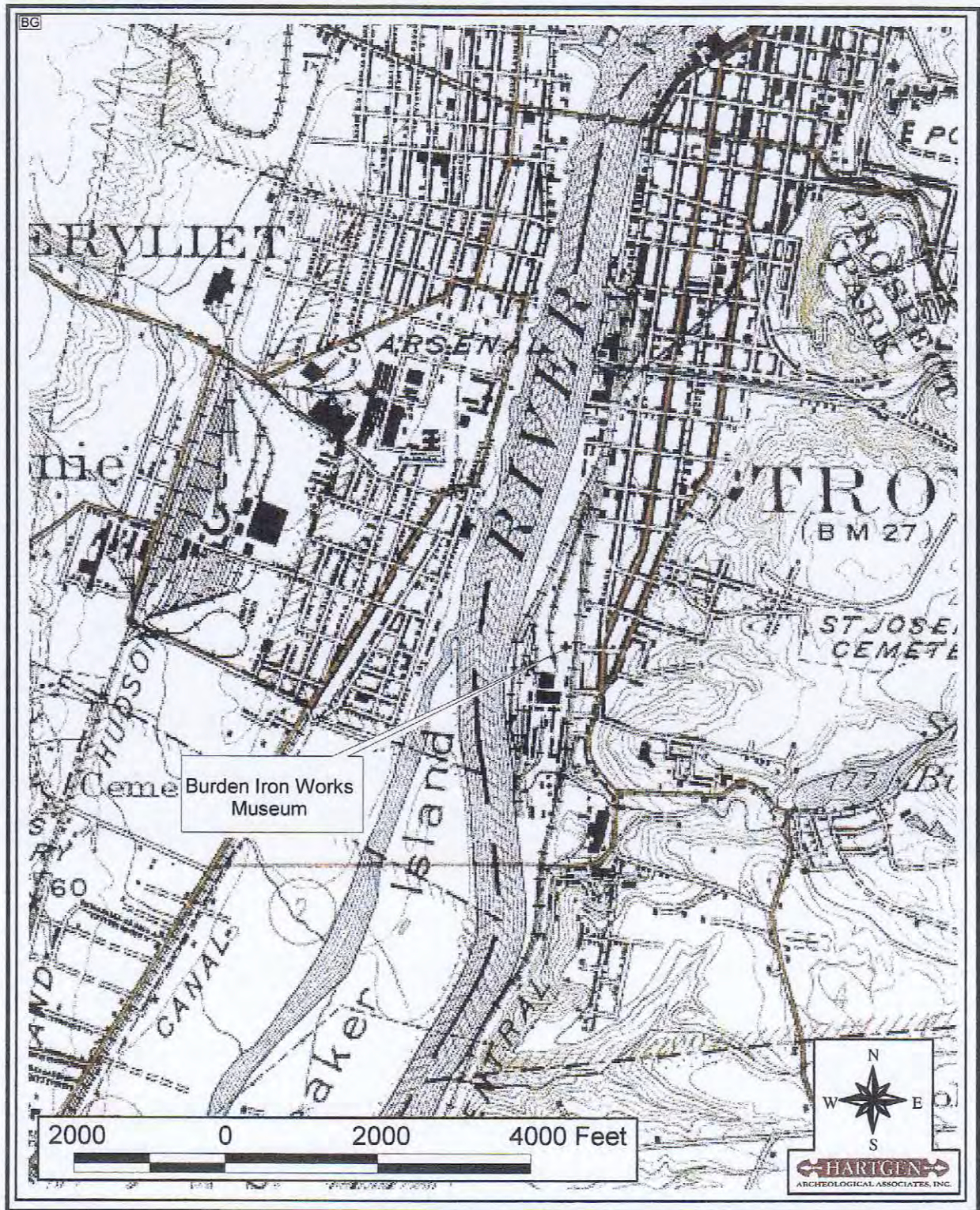
Map 6
1891 Beers Atlas of the Hudson River Valley from New York City to Troy

Phase IA/IB Archeological Investigation Burden Iron Works Museum



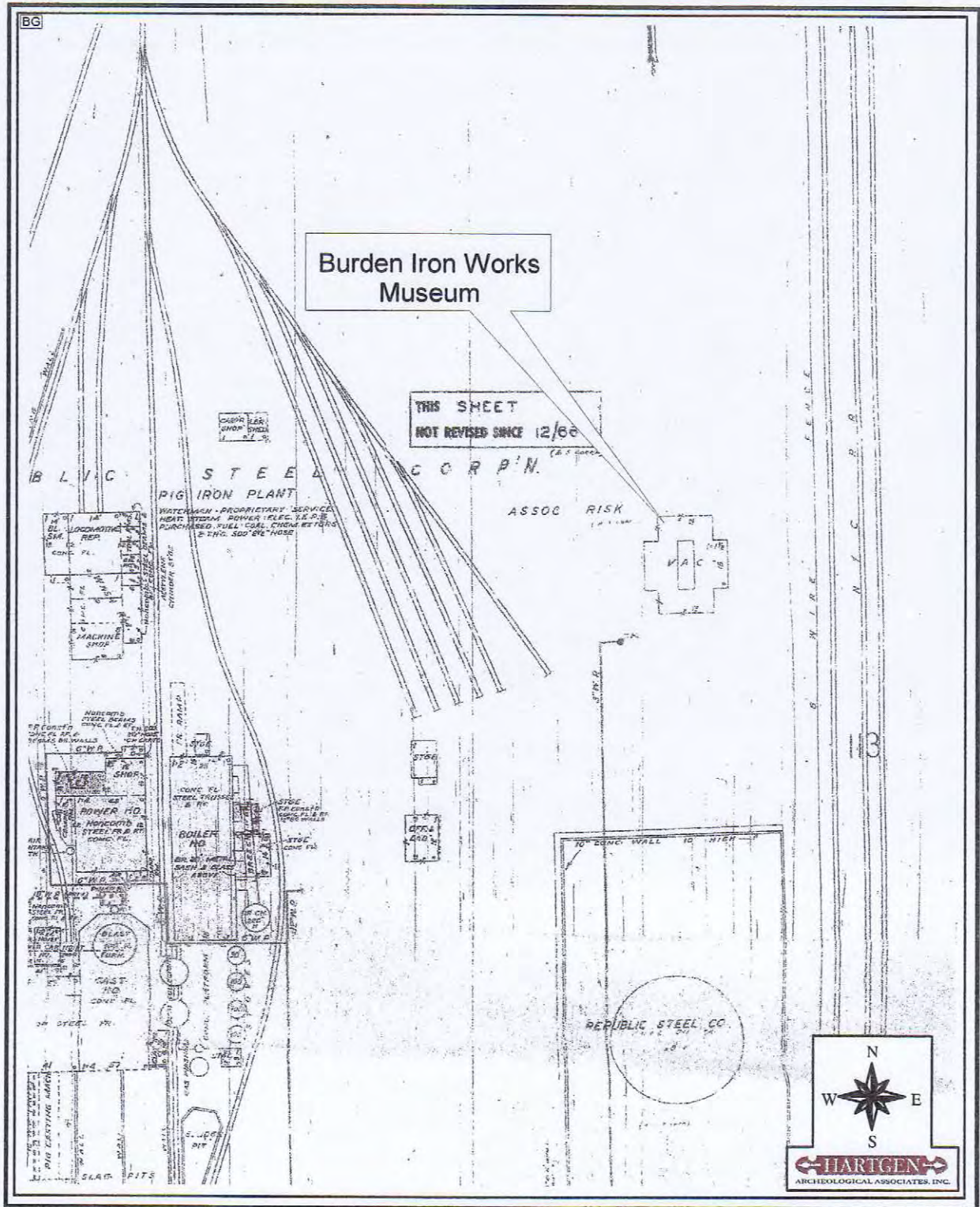
Map 7
1903/1904 Sanborn *City of Troy, New York Volume 1, Sheets 1 and 3*

Phase IA/IB Archeological Investigation Burden Iron Works Museum



Map 8
1928 USGS 15' Series Troy, New York Topographic Quadrangle

Phase IA/IB Archeological Investigation Burden Iron Works Museum



PHOTOGRAPHS



1. View northeast of the Burden Iron Works Museum and the southwestern portion of the property with a collection of large historic artifacts on the ground surface.



2. View northwest of the Burden Iron Works Museum showing the man-made plateau it sits upon.



3. View northeast of the east wall profile of Trench 1 showing multiple levels of fill to a final depth of 2.6 m (8.6 ft).



4. View northeast of the north wall profile of Trench 2 showing multiple levels of fill to a final depth of 3 m (9.8 ft).



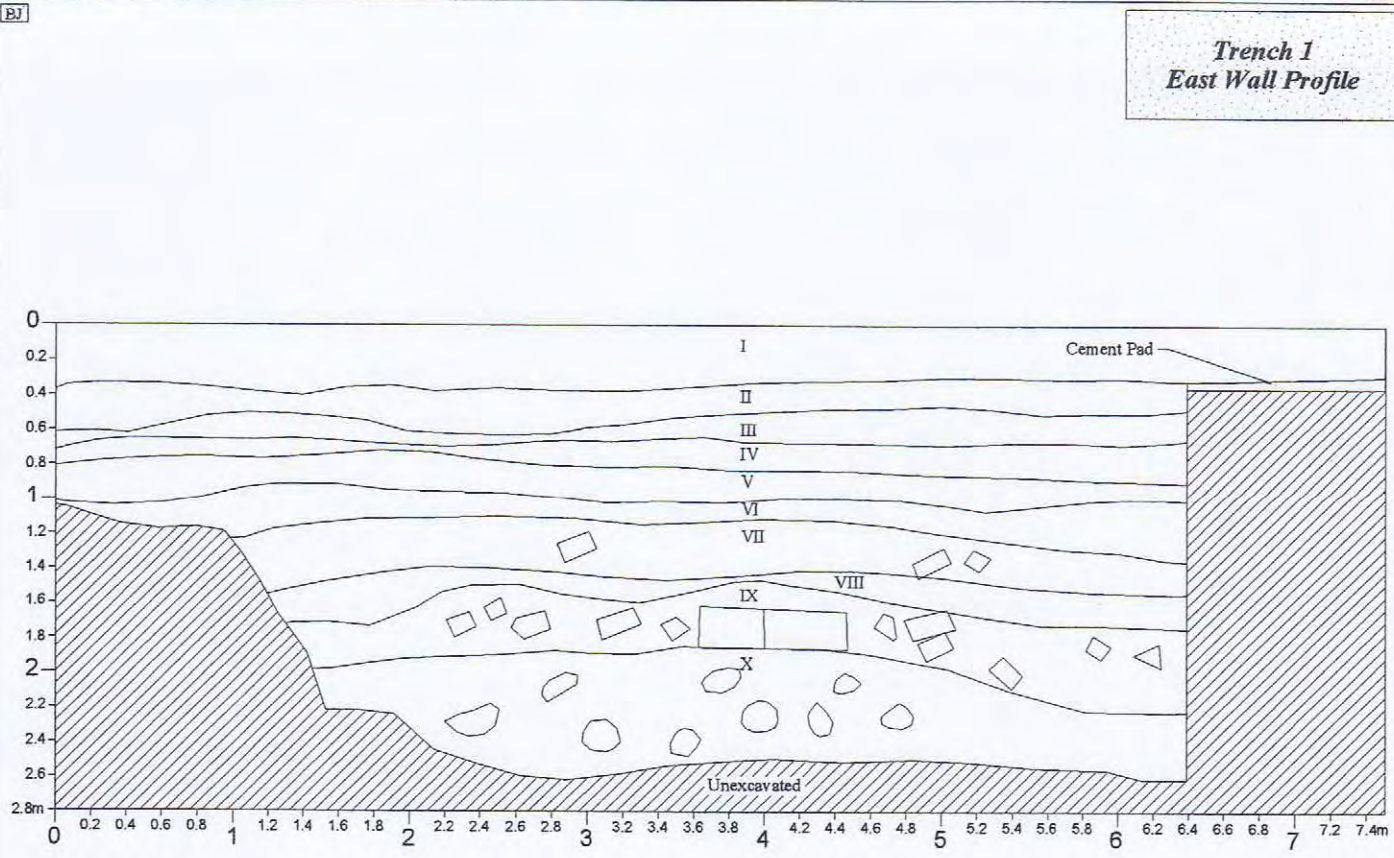
5. View northwest of the north wall profile of Trench 3 showing three levels of fill on top of a solid slag surface.



6. View northwest of the west wall profile of Trench 4 showing four levels of fill on top of a solid slag surface.

FIGURES

**Trench 1
East Wall Profile**



- I 10YR 4/3 Brown Loamy Sand with Gravel Fill
- II 10YR 2/1 Black Silty Loam with Gravel Fill
- III 2.5Y 3/2 Very Dark Grayish Brown Sand with Gravel Fill
- IV Coal Slag/Ash Fill
- V 2.5Y 3/2 Very Dark Grayish Brown Sand with Gravel Fill
- VI 10YR 2/1 Black Sand with Cobbles and Gravel Fill
- VII 10YR 3/2 Very Dark Grayish Brown Sand with Gravel Fill
- VIII Coal Slag/Ash Fill
- IX 7.5YR 5/6 Strong Brown Sand with Bricks and Cobbles Fill
- X 10YR 4/4 Dark Yellowish Brown Sand with Bricks and Cobbles Fill

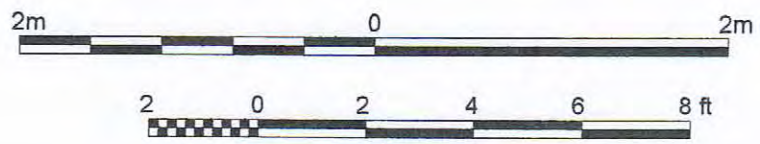
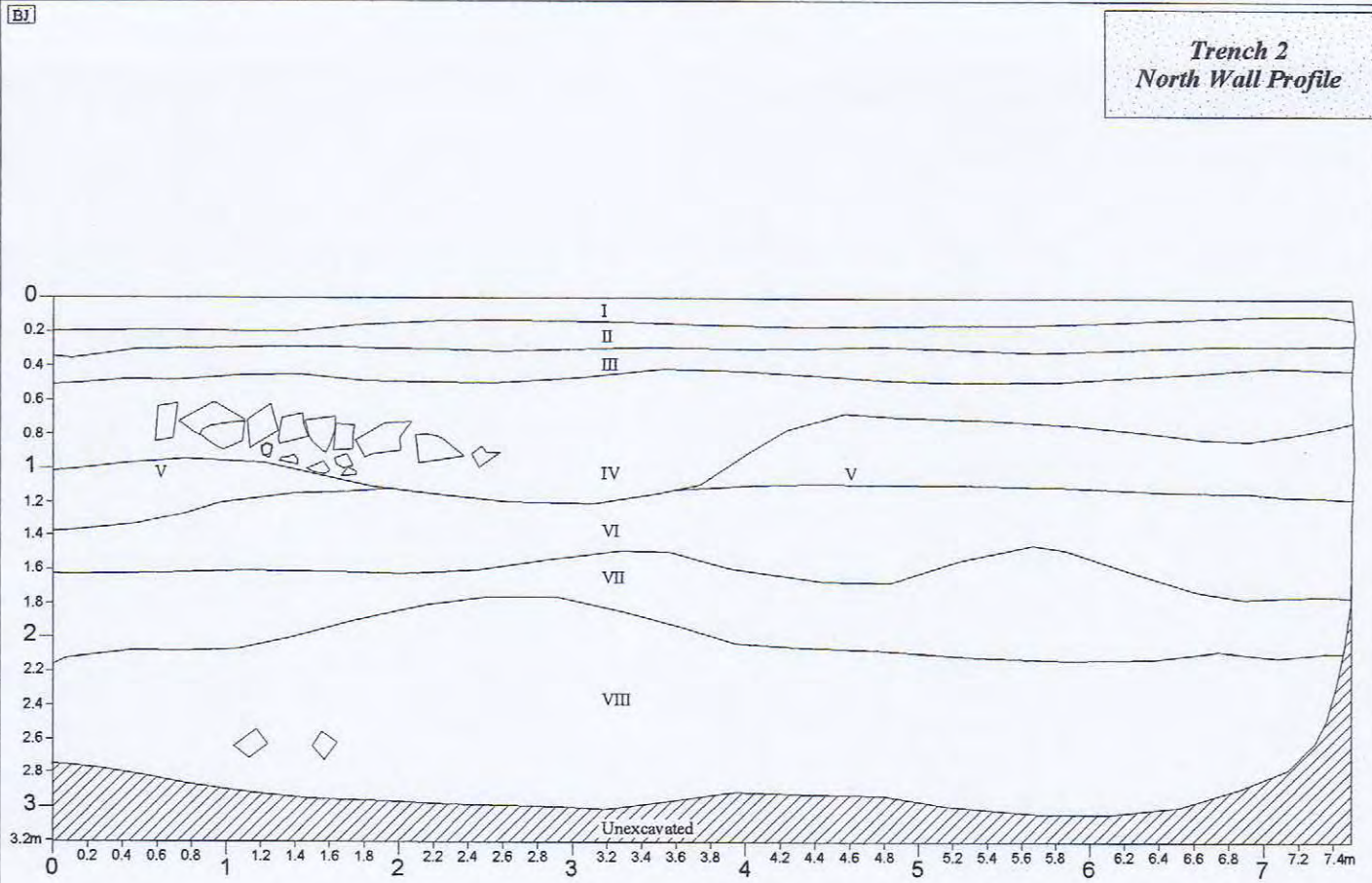


Figure 1

**Trench 2
North Wall Profile**



- I 2.5Y 3/1 Very Dark Gray Loamy Sand with Gravel Fill
- II 2.5Y 2.5/1 Black Sandy Silt with Gravel Fill
- III 2.5Y 3/2 Very Dark Grayish Brown Sand with Slag and Gravel Fill
- IV 2.5Y 3/1 Very Dark Gray Sand with Cobbles and Gravel Fill
- V 2.5Y 3/2 Very Dark Grayish Brown Loamy Sand with Coal Slag/Ash Fill
- VI 10YR 5/2 Grayish Brown Sand with Gravel Fill
- VII 10YR 3/1 Very Dark Gray Sandy Gravel Fill
- VIII 10YR 4/4 Dark Yellowish Brown Sand with Bricks and Cobbles Fill

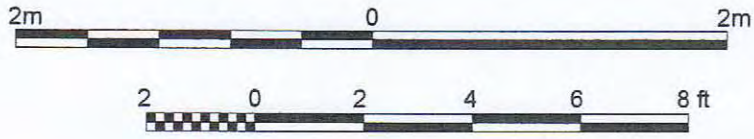
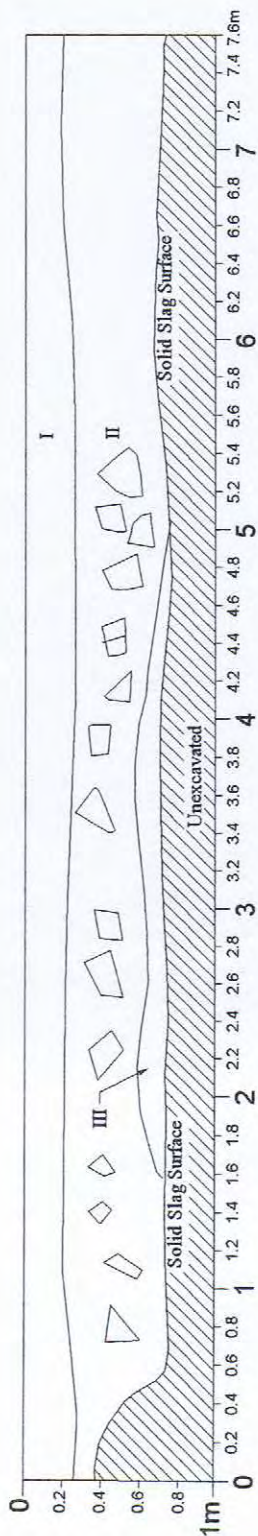


Figure 2

Trench 3
North Wall Profile



- I 10YR 2/2 Very Dark Brown Sandy Gravel Fill
- II 10YR 3/1 Very Dark Gray Sand with Slag Fill
- III 2.5Y 3/3 Dark Olive Brown Sandy Gravel Fill

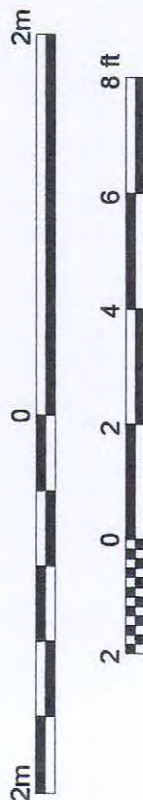
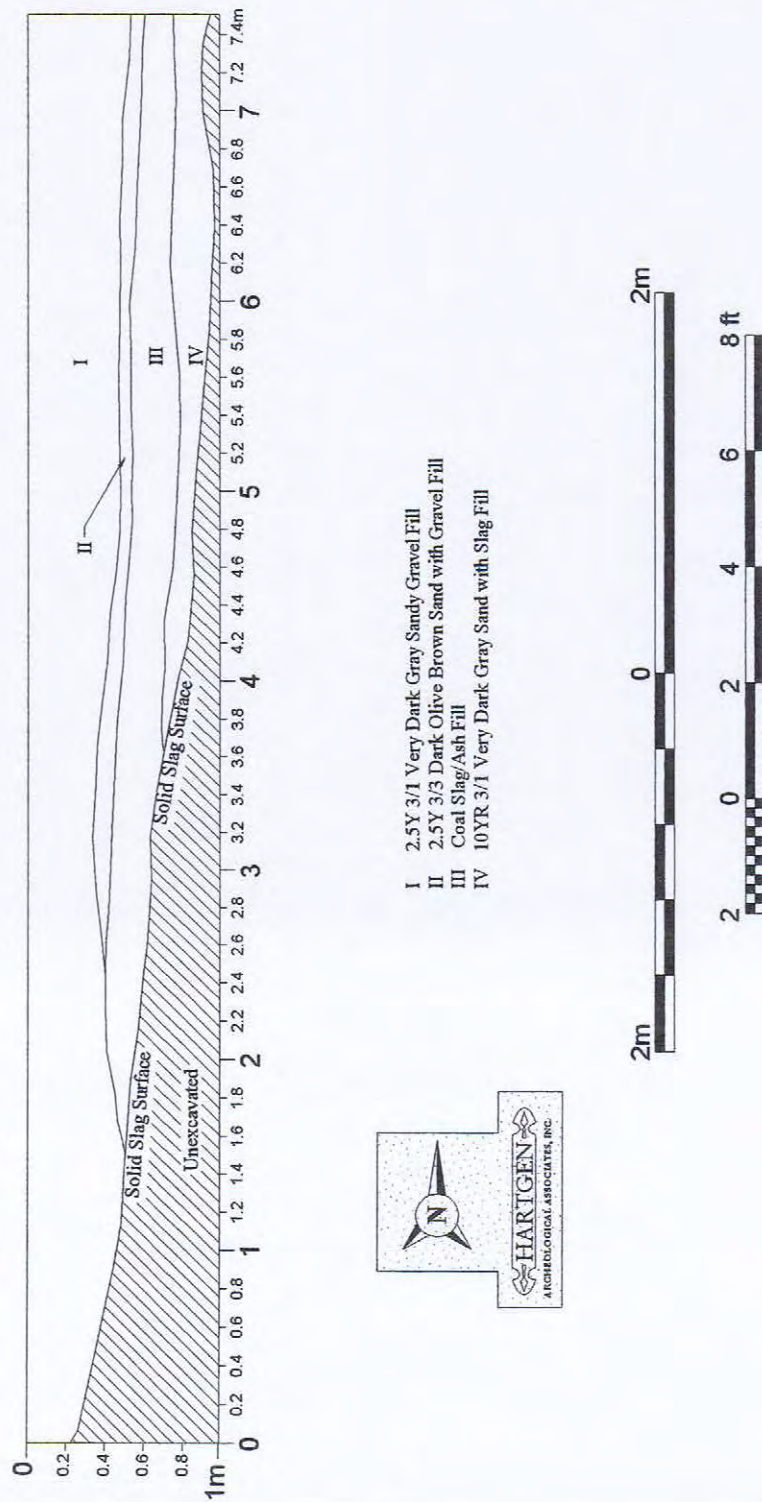


Figure 3

B1

**Trench 4
West Wall Profile**



BI

Figure 4

APPENDIX 1: Artifact Inventory

Phase IB Archeological Investigation Burden Iron Works Museum
Artifact Inventory

Trench	Level	Item	Count	Artifact Description	Weight
1	9	1	1	brick, red, "ANNES & SON / EXTRA / ...AMBOY"	1,828.00
2	4	1	1	brick, red, "SALAMANDE... / WORKS / NO. 1 / WOODRIDGE NY"	2,036.70
2	4	2	1	brick, red, "...TRANDER / NO.1 / ...Y.N.Y."	2,322.40
4	3	1	1	whiteware, flatware, refined earthenware, rim, molded decoration, 1820-1900	2.00
4	3	2	1	wood, burned	39.00
4	3	3	2	brick, red	26.60
4	3	4	8	tile, ceramic, red	462.70
4	3	5	1	spike, iron alloy, cut	67.40
4	3	6	2	nail, iron alloy, cut	9.50

APPENDIX 2: Qualifications of the Principal Investigator

Hartgen Archeological Associates, Inc.

Cultural Resource Specialists

1744 WASHINGTON AVENUE EXT. · RENSSELAER, NEW YORK 12144

KAREN S. HARTGEN, RPA

Qualifications:

36 CFR 61 Qualified Archeologist

Education:

State University of New York at Albany

Master of Arts, Anthropology, December 1988

State University of New York at Albany

Bachelor of Arts, Anthropology, January 1970

Special Training:

Historic Preservation Law Course

Section 106 training course jointly sponsored by the Advisory Council on Historic Preservation and the University of Nevada, Reno.

Experience:

March 1973 to Present

President and Principal Investigator

Hartgen Archeological Associates, Inc.

I have directed the cultural resource management firm since 1973, completing over 5000 cultural resource projects in New York and New England. The firm currently has a full time staff of 25 and a trained seasonal staff of 40. We provide services in historical documentation, site file searches, field reconnaissance, archeological survey and excavation, artifact preservation, collection management, cartography, GIS, architectural history, historic structure survey, National Register nominations, Environmental Impact Evaluations as mandated under NEPA, NHPA, SHPA and SEQR. Archeological surveys include initial surveys to locate sites (Phase IA and IB), development of research designs and field methodologies to identify sites (Phase II), and subsequently data retrieval as mitigating measures (Phase III).

June 1974 to 1978

New York State Museum and Science Service

State Education Department, Albany

Assistant Highway Salvage Coordinator

Administration and coordination of the Highway Salvage Archeology Program for New York State during field seasons. Intermediary between various State agencies and cooperating institutions in the process of project evaluation and impact mitigation. Also prepared detailed financial reports for Federal reimbursement.

Professional Affiliations:

Registered Professional Archaeologist (RPA)
Adjunct Research Associate, University at Albany, SUNY
Treasurer, Iroquois Indian Museum
Board Member, American Cultural Resource Association
Board Member, Rensselaer County Historic Society (RCHS)
Chair, RCHS Preservation Committee
Board Member, Iroquois Indian Museum
State Plan for Historic Resources Steering Committee Member, for Office of
Parks, Recreation and Historic Preservation
Town Historian, North Greenbush

American Cultural Resources Association
Archaeological Conservancy
Archaeological Institute of America
Council for Northeast Historic Archaeology
Eastern States Archeological Federation
Greenbush Historical Society
Historic Albany Foundation
The Holland Society of New York
Hudson-Mohawk Industrial Gateway
Maine Archaeological Society
Maryland Archeological Society
National Trust for Historic Preservation
The Native American Institute at Columbia-Green Community College
New Hampshire Archaeological Society
New Hampshire Preservation Alliance
New York Archaeological Council
New York State Archaeological Association
Northeastern Anthropological Association
Preservation League of New York State
Society of American Archaeology
Society of Historic Archeology
Scenic Hudson
Society for Industrial Archeology
Vermont Archaeological Society
Women's Transportation Seminar

Former President, New York State Archaeological Association (NYSAA)
Former Board Member, American Cultural Resources Association (ACRA)
Former Board Member, Cornell Cooperative Extension of Rensselaer County
Former President, New York Archaeological Council (NYAC)

Publication:

1997 Preserving Albany's Past: The Battle over the Broadway-Maiden Lane
Archeological Site. *De Halve Maen*, The Holland Society of New York.

APPENDIX 3: OPRHP Project Review Cover Form

PROJECT REVIEW COVER FORM

Please complete this form and attach it to the top of any and all information submitted to this office for review. Accurate and complete forms will assist this office in the timely processing and response to your request.

This information relating to a previously submitted project

PROJECT NUMBER 99PR3648

If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

This is a new project

If you have checked this box you will need to complete ALL

Project Name _____

Location _____

You MUST include street number, street name and/or County, State of Interstate route number if applicable

City/Town/Village _____

List the correct municipality in which your project is being undertaken. If in a NON-INCORPORATED hamlet/village you must also provide the name of the town.

County _____

If your project covers multiple communities/counties please attach a list defining all municipalities/counties included.

TYPE OF REVIEW REQUIRED/REQUESTED

1. Is this project being developed using New York State funds? Federal funds?
If you checked either or both of these boxes list the New York State and/or Federal Agency or Program that is providing the funding:

2. Does this project require a New York State permit? Federal permit?

If you checked either or both of these boxes, list the New York State and/or Federal Agency or Program that is providing the permit and the type of permit being requested.

3. SEQRA New York State Environmental Quality Review Act

4. Information Request
No state or federal funding or permit(s) involved

CONTACT PERSON FOR PROJECT

Name _____ Title _____

Firm/Agency _____

Address _____ City _____ State _____

Zip _____ Phone _____ Fax _____

The Historic Preservation Review Process in New York State



**PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT
PROPOSED SOUTH TROY RIVERFRONT PEDESTRIAN AND BICYCLE
TRAIL IMPROVEMENTS
CITY OF TROY
RENSSELAER COUNTY, NEW YORK**

HAA #2764

Submitted to:

**ERDMAN, ANTHONY & ASSOCIATES, INC.
317 BRICK CHURCH ROAD
TROY, NEW YORK 12180-8112**

Prepared by:

**HARTGEN ARCHEOLOGICAL ASSOCIATES, INC.
CERTIFIED WBE/DBE
1744 WASHINGTON AVENUE EXTENSION
RENSSELAER, NEW YORK 12144
PHONE (518) 283-0534
FAX (518) 283-6276
email hartgen@hartgen.com
www.hartgen.com**

**AN ACRA MEMBER FIRM
www.acra-crm.org**

APRIL 2003

ABSTRACT

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Erdman, Anthony and Associates, Inc. to conduct a Phase IA literature review and archeological sensitivity assessment for the proposed South Troy Riverfront Pedestrian and Bicycle Trail Improvements located in the city of Troy, Rensselaer County, New York. The project proposes to develop a pedestrian and bicycle trail approximately 3.6 miles (5.8 km) long and 10 feet (3.0 m) wide extending from the southern city limit of Troy northward along the eastern bank of the Hudson River to just south of Federal Street near the Riverfront Park. This project is being guided by the National Environmental Protection Act and the New York State Environmental Quality Review Act. Therefore, this assessment will be conducted in compliance with Section 106 of the National Historic Preservation Office and will conform to the standards established by the New York Archaeological Council (NYAC) as adopted by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) (NYAC 1994).

The Phase IA assessment entailed documentary research for previously identified cultural resources within one mile of the project. Five precontact and 12 historic archeological sites were reported in the Office of Parks, Recreation and Historic Preservation (OPRHP) and New York State Museum (NYSM) site files. Six additional precontact sites were reported in the New York State Museum. Six properties listed on the National Register of Historic Places were also identified within one mile of the project. Historical maps from 1756 to 1993 were examined to illustrate the pattern of historical land use and development in the vicinity and to determine the historic sensitivity of the project area. In addition to this research, an inspection of the project area was conducted on February 2003 and March 27, 2003, to document existing conditions within the area of potential effect, as well as to photograph any historical structures in the project area, areas of disturbance, and the general topography of the area.

Based on the Phase IA research, the project area has a low sensitivity for precontact archeological material and a low to moderate sensitivity for historic cultural material. Phase IB archeological field reconnaissance is recommended along Water Street, any areas of subsurface impact surrounding the Burden Iron Works Office Building, and the areas of subsurface impact near the northern terminus of the project.

CONTENTS

PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT

INTRODUCTION..... 1

PROJECT INFORMATION 1

Project Location 1

Project Description 1

ENVIRONMENTAL INFORMATION 2

Topography and Bedrock Geology 2

Soils and Drainage 3

Vegetation and Forest Zone 3

Manmade Features and Alterations 3

LITERATURE REVIEW 3

New York State Office of Parks, Recreation and Historic Preservation (OPRHP). 4

Archeological Sites..... 4

State and National Registers 7

Previous Surveys 9

New York State Museum (NYSM) 12

Archeological Sites..... 12

PRECONTACT AND HISTORIC OVERVIEWS 12

Precontact Background 12

Historic Background..... 14

City of Troy..... 14

HISTORICAL MAP REVIEW 16

PHASE I HAZARDOUS WASTE ASSESSMENT 19

SITE VISIT 20

ARCHEOLOGICAL SENSITIVITY ASSESSMENT..... 22

Precontact Archeological Sensitivity 22

Historic Archeological Sensitivity 23

RECOMMENDATIONS..... 23

BIBLIOGRAPHY 25

MAPS

PHOTOGRAPHS

APPENDIX 1: Qualifications of Principal Investigator

APPENDIX 2: OPRHP Project Review Cover Form

List of Tables

1. OPRHP archeological sites within one mile of the project area.
2. Properties or Sites Listed on the National Register adjacent to the project area.
3. NYSM archeological sites within one mile of the project area.

List of Figures

1. An advertising lithograph produced for John A Griswold & Co. circa 1870.

List of Maps

1. 1993 NYSDOT *Troy South Quadrangle, New York, 7.5-Minute Series*.
2. Proposed South Troy Riverfront Bike Path Project Map.
- 2a.-2f. Proposed South Troy Riverfront Bike Path Project Map with Photo Angles
3. c. 1756 British Museum *Map of the County of Albany*.
4. 1791 Danforth *Map of Dwellings & Stores, in Troy 1791*.
5. 1818 Klien *Map of the City of Troy from Actual Survey*.
6. 1845 Beers *Troy, N.Y. from Actual Survey By S.A Beers*.
7. 1881 Beck & Pauli *Panorama of Troy, NY*.
8. 1881 Hopkins *City Atlas of Troy, New York*.
9. 1891 Beers *Atlas of the Hudson River Valley from New York City to Troy*
10. 1903/1904 Sanborn *Troy, N.Y., Volume 1, Sheets 1 and 3 & Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119, and 120*.
11. 1928 USGS *Troy Quadrangle, New York*.
12. 1951 Sanborn *Troy, N.Y., Volume 1, Sheet 1 & Troy, N.Y., Volume 2 Sheets 91, 95, 99, 101, 105, 109, 118, 119, 120, and 175*.

List of Photographs

1. View south near the southern terminus of the project area. The trail will be placed along the left side of the road here.
2. View south near the southern terminus of the project area. The trail will be placed along the left side of the road here.
3. View east. The trail will extend beneath the right side of the bridge.

4. View west. The trail will cross the railroad tracks and extend in to the currently fenced-in property.
5. View south. The poured concrete silos in the foreground and a cinder block workshop/garage beyond the silos will be demolished for the project.
6. View northwest of the brick pumping station.
7. View north, the Rensselaer County Jail is in the background.
8. View east of the brick subsurface feature encountered.
9. View north. The trail will straight continue along the top of the embankment here.
10. View south. The trail to the Burden Iron Works Office Building will extend along the east side of the South Troy Industrial Road here.
11. View northeast of the trail north of the Rensselaer County Jail. The piles of gray material on the left consist of slag. These piles will be leveled for the construction of the trail.
12. View north of a cut in the river embankment. What initially looks like bedrock is actually slag fill.
13. View south of the project area from the top of a large pile of slag.
14. View north from the top of the same pile of slag, looking into the Troy Slag Products property.
15. View south from the Bruno Machinery property. The trail will extend along the top of the embankment.
16. View north into the Scotlite International property. The fence and piles of debris will be removed for the trail.
17. View north of the trail after crossing over the Poesten Kill and extending towards River Street.
18. View east of Alternate Routes C and D.
19. View northeast of the path the trail would take into the railyard.
20. View south on River Street. The trail will be along the right side of the road here.
21. View north on River Street. The trail would extend along the left side of the road.
22. View north of the trail along Front Street.
23. View southwest. The trail will be located along the grassy area.
24. View northeast. The existing sidewalk will be widened.
25. View southwest into Riverfront Park from the northern terminus of the proposed trail. The portion of sidewalk in the foreground will be widened.
26. View northeast of the northern terminus of the trail and Fresno's Restaurant. The sidewalk will be widened and extended eastward to River Street.

PHASE IA LITERATURE REVIEW AND SENSITIVITY ASSESSMENT

INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Erdman, Anthony and Associates, Inc. to conduct a Phase IA literature review and sensitivity assessment for the proposed South Troy Riverfront Pedestrian and Bicycle Trail Improvements located in the city of Troy, Rensselaer County, New York. The project proposes to develop a pedestrian and bicycle trail approximately 3.6 miles (5.8 km) long and 10 feet (3.0 m) wide extending from the southern city limit of Troy northward along the eastern bank of the Hudson River to just south of Federal Street near the Riverfront Park. Approximately 2.8 miles (4.5 km) of the bikeway/walkway will be newly constructed and paved with bituminous concrete. The remaining 0.8 miles (1.3 km) of bikeway/walkway will require improvements. Improvements will include stripping, signage, pavement repair, guardrail installation, and road and intersection relocation. This assessment will be conducted in compliance with Section 106 of the National Historic Preservation Office and will conform to the standards established by the New York Archaeological Council (NYAC) as adopted by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) (NYAC 1994).

PROJECT INFORMATION

Project Location

The project is located along the eastern bank of the Hudson River on the western edge of the City of Troy (Map 1).

Project Description

The proposed improvements to the South Troy Riverfront Trail will include trail construction; stripping, signage, pavement repair and guardrails to existing paved areas; road relocation; and vegetation removal and plantings. In the undeveloped southern portions of the project area the client has decided to construct the trail without excavation to avoid potential hazardous waste contaminations in sub-surface deposits in this area. The main proposed route of the trail is discussed below, although alternate routes have been proposed for some portions of the trail (Map 2). These alternates will be outlined in more detail in the site visit section of this report.

The first section of the proposed trail improvements begin on Water Street near the southern boundary of the city on the north side of the Menands Bridge and extend about 0.66 miles (1.1 km) north to South Main Street. Impacts in the area will include removal of vegetation and large debris along the east side of Water Street, minor grading, and installation of a retaining wall. This section of the trail will also be newly paved (Map 2a).

The second section of the project area will extend northward along the edge of the river from South Main Street to Monroe Street 0.66 miles (1.1 km). This area of the trail must be newly constructed but will mostly not disturb subsurface deposits. The National Register of Historic Places-listed Burden Iron Works Office Building is located adjacent to the section. Some work may be conducted on the building to expand its role as a welcoming and orientation center for visitors to the bike path. Possible work on the building includes roof repair and provision of handicapped accessibility (Map 2a-c).

The trail then extends from Monroe Street 0.2 miles (0.3 km) north to Madison Street. This portion of the trail will be installed through an existing waterfront parking area behind Bruno Machinery (west side). Work will include striping, signage, pavement repair, and guardrail installation (Map 2d).

The fourth section of the trail continues along the west side of an industrial road from Madison Street to Adams Street 0.66 miles (1.1 km). This portion of the trail will be newly constructed. The trail will cross over the Poesten Kill by a new bridge constructed for the proposed Industrial Park Road (Map 2d).

The trail then crosses Adams Street and extends northward again along River Street to Division Street for 1.2 mile (1.9 km). This portion is all along existing public right-of-way. Improvements will take place within the right-of-way and will include striping, signage, and pavement repair (Map 2d-e).

The trail turns again west down Division Street and then north along Front Street to Congress Street for 0.2 miles (0.3 km). This part of the trail will be within the existing public right-of-way which has been determined unsafe for biking and may be redeveloped for this project. Proposed work in this area includes relocating Front Street 10 feet to the east to allow extra width for the bike trail to the west, creating a barrier between the traffic and the trail (Map 2e).

The trail continues along Front Street for a short distance north of Congress Street then diverges from the street to extend along the riverfront until Fulton Street about 0.4 miles (0.6 km). Improvements for the trail will take place along the riverfront along existing sidewalks and paved parking areas and will include striping, signage, and pavement repair (Map 2e-f).

The trail terminates in the Riverfront Park. No modifications will be necessary until the northern end of the park where a new trail will be constructed to lead towards River Street (Map 2f).

ENVIRONMENTAL INFORMATION

Topography and Bedrock Geology

The topography of the project area is almost all man-made and consists of level elevated plain along the east bank of the Hudson River. It is elevated approximately 20 feet (6.1 m) above the surface of the Hudson River. The underlying bedrock consists of Normanskill shale of the Lorraine, Trenton, and Black River Groups from the Middle Ordovician period of the Paleozoic era (Fisher et al. 1970).

Soils and Drainage

Most of the project area is classified as Urban land soil type described as heavily built-up residential and commercial areas, 90 percent of which consists of streets, buildings, and parking lots. Some areas of this soil were filled before development. One area of sandy Udorthents is located north of the Wynants Kill and south of Monroe Street. This soil type consists of nearly level areas of material dredged from the Hudson River. The soils are deep, sandy, and moderately well drained to excessively drained. These soil types are too variable to offer a typical profile (USDASCS 1988).

Vegetation and Forest Zone

The potential natural vegetation in the region of the proposed retail development is the Northern Hardwoods forest zone. This type of zone is characterized by tall, broad-leaved deciduous forest with a mixture of needle leaf evergreen trees. Maple, birch, beech, and hemlock are the dominant components of this zone (Küchler 1964). Currently, the project area consists of urban development and scrub vegetation.

Manmade Features and Alterations

Most of the project area has been affected by historic or modern filling, cutting, or other disturbance due to its location along the riverfront in Troy.

LITERATURE REVIEW

The literature review for the proposed South Troy Riverfront Pedestrian and Bicycle Trail Improvements encountered 23 archeological sites, six properties listed on the National Register of Historic Places, and 24 previous cultural resources management surveys within one mile of the project area. This one-mile search radius included areas on the east and west sides of the Hudson River. All of these sites, properties, and surveys will be reviewed in this report; however, the sensitivity assessment will concentrate on those located on the east bank of the river where the project is located.

New York State Office of Parks, Recreation and Historic Preservation (OPRHP)

Archeological Sites

The archeological site files of the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) were reviewed to identify reported archeological sites within one mile of the project area. Five precontact archeological sites and twelve historic archeological sites have been reported to the OPRHP (Table 1).

Table 1. OPRHP archeological sites within one mile of the project area.

OPRHP Site No.	Site Identifier	Site Description	Proximity to Project Area (PA)
A00104.000002	Schuyler Flatts	Precontact and historic site components. Precontact Archaic period settlement and historic development beginning in the 17 th century.	0.5 mi (0.80 km) west of the PA, on the west bank of the Hudson River.
A00142.000155	Watervliet Arsenal Area southeast of Building Nineteen	Stray Find of Early Woodland Period chert blade.	0.4 mi (0.64 km) west of PA, on the west bank of the Hudson River.
A00144.000018	Green Island Bridge Site	Native American burials reportedly encountered in 1835.	0.4 mi (0.64 km) northwest of the PA, on the west bank of the Hudson River.
A08340.000007	First Commercial Laundry in United States	Independence & Starks Laundry constructed 1835.	0.1 mi (0.16 km) northeast of PA.
A08340.000008	First Detachable Collar Manufacturer	Collar Factory established by Montague and Granger in 1833 or 1834.	Along path of PA at 285 River St., nearly opposite junction of 3 rd and Fulton St.s.
A08340.000024	Burden Iron Works Site (Upper)	Area of approximately 50 acres along the north and south banks of the Wynants Kill including structures, ruins, and archeological remains of the 19 th c. factory complex.	Adjacent to southern terminus of PA.
A08340.000063	Village Site	Precontact village site originally reported in 1920.	0.1 mi (0.16 km) east of PA.
A08340.000064	B & M Railroad	A railroad track and canal extend parallel to 7 th Ave. and 8 th St. where they cross Hoosick St.	0.5 mi (0.80 km) northeast of PA.
A08340.000065	Vanderheyden Site	Site of a General Store in 1791.	0.3 mi (0.48 km) north of PA.

OPRHP Site No.	Site Identifier	Site Description	Proximity to Project Area (PA)
A08340.000089	Poesten Kill Gorge Historic District	Area of 37 a. along the steep banks of the Poesten Kill including extant structures, ruins, and archeological remains associated with the 17 th - to 20 th -c. industrial development of this area.	0.5 mi to 1 mi (0.80 to 1.61 km) east of PA.
A08340.001073	Samuel "Uncle Sam" Wilson House	House foundation and intact cultural deposits and features associated with Uncle Sam's occupation of the house and later (c. 1820 to 1870).	0.6 mi (0.97 km) east of the PA.
A08307.000013	Church Property	Standing ruins of historic building, St. Joseph's Church Property, c. 1891.	0.9 mi (1.45 km) south of PA.
A08307.000024	Glenmore Road Site	Precontact Late Archaic Period cultural material.	0.8 mi (1.29 km) south of PA.
A08307.000025	Haydock House Foundation	Historic house cellar hole with walls, c. 1851 to 1891.	0.8 mi (1.29 km) south of PA.
A08307.002367	Maychak-Gardner Site	Precontact camp site(s).	0.8 mi (1.29 km) south of PA.
A08307.002368	St. Joseph's Convent Historic Site	19 th c. historic cultural material.	0.7 mi (1.13 km) south of PA.
-	College Avenue Historic Archeological District	19 th -c. neighborhood along College Ave. and 8 th St. on the RPI campus.	0.6 mi (0.97 km) east of PA.

A00104.000002 (Schuyler Flatts), A00142.000155 (Watervliet Arsenal Area southeast of Building Nineteen), and A00144.000018 (Green Island Bridge Site) are all precontact sites identified on the west bank of the Hudson River. The Schuyler Flatts site also has a historic component consisting of historic development beginning in the 17th century with the Arent Van Curler farm in 1643 and the Schuyler House in 1672. From 1690 through the American Revolution the Flatts and the Schuyler House were a camping ground, hospital, and social, and military center. Nineteenth-century development on the Flatts included the Erie Canal along the western edge of the site and an ironworks. The Schuyler Flatts Site is listed on the National Register of Historic Places.

A08340.000007 (First Commercial Laundry in the United States), also known as Independence and Starks, was constructed in 1835. Independence and Starks were collar manufacturers who started to wash and press products of their own factory and other nearby collar manufacturers. Reportedly, this development was the first American commercial laundry. The building is still standing.

A08340.000008 (First Detachable Collar Manufacturer) is the site of the first detachable collar factory in the United States established in 1833 or 1834 by Orlando Montague and Austin Granger. The building is still standing.

A08340.000024 (Burden Iron Works Site (Upper)) is identified as the site of the Burden Iron Upper Works complex from 1813 until its abandonment in about 1900. The site covers approximately 50 acres on the north and south sides of the Wynants Kill in South Troy. Historical elements of the site on the north side of the Wynants Kill include the Troy Iron and Nail Factory (c. 1813), brick sluice gatehouse and dam, ruins of the Burden horseshoe-making shop (c. 1851), and the Woodside Presbyterian Church (1867) and Chapel (1883, rebuilt 1908). The south side of the Wynants Kill contains the site and ruins of the Burden Upper Works and the sites of the "Woodside" and Burden Homesteads. This site overall has not been significantly disturbed and is of great significance to the 19th-century history of the American industrial revolution. This site has been listed on the National Register of Historic Places.

The Village Site (A08340.000063) was identified from an older site file compiled by A.C. Parker in 1922. The A.C. Parker report explains the area as a precontact camp site with no other information provided.

Site A08340.000064, the B & M Railroad site, consists of a railroad track, canal, and the rubble of a stone bridge in the area between 7th Avenue and 8th Street where they cross Hoosick Street. No other information is provided about the site.

A08340.000065, the Vanderheyden Site, was the location of a general store dating to c. 1791. A diner with an asphalt paved parking lot currently occupies the site.

The Poesten Kill Gorge Historic District (A08340.000089) consists of an area of 37 acres in southeast Troy along the steep banks of the Poesten Kill between Congress Street on the north and Linden Avenue on the south. The site includes extant structures, historic ruins, power sources, and archeological sites associated with industrial development in this area. Historical elements identified in the district include the Upper Mill Dam (1919), Mt. Ida Dam, Falls, Sluice Gatehouse and Marshall Hydraulic Race (1840), Manning Hydroelectric Plant (1920), Troy File Works (c. 1870), Kellog Machine Wire Mill (1850), Mt. Ida Cotton Factory (1840), Manning and Howland Paper Mill (1846), Tompkins Brothers Machine Works (1846), Griswold Wire Mill (1879), Ruff Flour Mill (1879), Cater Planning Mill (1832), Marshall Infirmary Steam Plant (late 19th), and a mid-19th-century tenement house. The Poesten Kill Gorge Historic District is listed on the National Register of Historic Places.

The Samuel "Uncle Sam" Wilson House (A08449.001073) was built in 1822. Archeological investigations on the site identified partial foundation remains of the house as well as intact cultural deposits and features dating from c. 1820 to 1870. A privy (outhouse) dating to the period of Uncle

Sam's occupation of the house and later was uncovered. A possible cistern and brick flooring were also encountered.

Three of the OPRHP archeological sites were uncovered during a survey for the RPI Technology Park, A08307.000013 (Church Property), A08307.000024 (Glenmore Road Site), and A08307.000025 (Haydock House Foundation). The Church Property consists of standing ruins of a building which is depicted on an 1891 historic map as the "St. Joseph's Church Property." The Glenmore Road Site consists of precontact cultural material dating to the Late Archaic Period. A precontact hearth, chert debitage (debris resulting from the manufacture of lithic tools) and tools were the cultural material recovered from this site. The Haydock House Foundation consists of a historic cellar hole with walls which was documented on historical maps in 1851, 1854, 1862, 1876, and 1891.

A08307.002367, the Maychak-Gardner Site, is a precontact archeological site. Material recovered from the site included chert debitage and tools, a projectile point fragment, and fire cracked rock (cracked rock resulting from being exposed to heat, such as a hearth stone).

The St. Joseph's Convent Historic Site (A08307.002368) consists of 19th-century artifacts encountered eroding out of the wall of a ravine. The site dates to c. 1860-1930.

The College Avenue Historic Archeological District is located in the southwest corner of the RPI main campus. The site consists of 19th-century houses on the north side of College Avenue from Thirteenth Street west to Eighth Street and the east side of the south end of Eighth Street (14 -38 Eighth Street). Data Retrieval at the portions of the site to be impacted for a proposed parking garage and performing arts center investigated 11 separate house lots on College Avenue and six house lots on Eighth Street. Features including privies, cisterns, cold storage sheds, and the house foundations were encountered beneath asphalt parking lots and soil fill.

State and National Registers

The State and National Registers of Historic Places were reviewed to identify and properties or sites listed or determined eligible for listing on the registers. Three historic districts in the City of Troy, one historic building, and two sites listed on the National Register were located adjacent to the project area (Table 2).

Table 2. Properties or Sites Listed on the National Register adjacent to the project area.

OPRHP Inventory No.	Property Name	Description	Proximity to Project Area (PA)
A08340.000024	Burden Iron Works Site (Upper)	Area of approximately 50 acres along the north and south banks of the Wynants Kill including structures, ruins, and archeological remains of the 19 th -c. factory complex.	Adjacent to southern terminus of PA.
A08340.000089	Poesten Kill Gorge Historic District	Area of 37 a. along the steep banks of the Poesten Kill including extant structures, ruins, and archeological remains associated with the 17 th -to 20 th -c. industrial development of this area.	0.5 mi to 1 mi (0.80 to 1.61 km) east of PA.
A00104.000002	Schuyler Flatts	Precontact and historic site components. Precontact Archaic period settlement and historic development beginning in the 17 th century.	0.5 mi (0.80 km) west of the PA, on the west bank of the Hudson River.
-	Central Troy Historic District	Approximately 96 acres in the core of the city with 679 contributing buildings dating between 1787 and c. 1940.	Adjacent to the northern terminus of the PA.
-	Northern River Street Historic District	On the east and west sides of a one-block section of River Street. Constituting 13 brick commercial buildings dating to the mid-19 th to early 20 th c.	Immediately north of the northern terminus of the PA.
-	Burden Iron Works Office Building	The office building for H. Burden & Sons Iron Co. built between 1881 and 1886.	At the west end of Polk Street, 0.1 mi (0.16 km) east of PA.

The Burden Iron Works Site (Upper) (A08340.000024), Poesten Kill Gorge Historic District (A08340.000089), and Schuyler Flatts (A00104.000002) were each outlined in the OPRHP archeological sites section above.

The Central Troy Historic District is located in downtown Troy bounded by Grand Street on the north, Adams Street on the south, as far as River Street on the west, and as far as Sixth Street on the east. The district covers approximately 96 acres and includes 679 contributing features dating from 1787 to c. 1940. The Central Troy Historic District is noted as an intact and significant resource illustrating the evolution and development of Troy's historic commercial and residential center during the period from the late 18th to the early 20th century.

The Northern River Street Historic District is located on the east and west sides of one block of River Street immediately north of Federal Street. There are 13 contributing urban multi-story brick buildings in the district constructed between c. 1840 - 1910. The buildings reflect the character of Troy as a commercial/industrial center during the second half of the 19th century.

The Burden Iron Works Office Building, located at the west end of Polk Street, was built between 1881 and 1886 for H. Burden & Sons Iron Company. Up until 1925, this site served as the business office for the company, whose manufacturing complexes were located south of building along the Wynants Kill.

Previous Surveys

A search of the library at OPRHP revealed thirteen previous cultural resources survey reports conducted within one mile of the project area. An archeological study of the Schuyler Flatts Site (A00104.000002) was completed by Paul R. Huey in August 1974 for the Helderberg Workshop. Excavations encountered artifacts and features associated with the 17th-century occupation of the site (Huey 1975). Investigation of the site continued with HAA, Inc. in 2002 for the creation of a cultural park on the Flatts. Some precontact artifacts were recovered from the site, however, it was unfortunately determined that large portions of the site were disturbed by "pot hunting" and mechanical soil stripping (HAA, Inc. 2002a).

The New York State Museum and Science Service Anthropology Survey (NYSM) conducted a cultural resources survey for the 1975-76 Highway Salvage Archeology Program. The survey for PIN 1054.00 111, a proposed route of the I-787 - Hoosick Street bridge connection in downtown Troy, took place approximately 0.4 miles (0.64 km) north of the northern terminus of the current project area. Four cultural resources were identified adjacent to the PIN: the Erik Bussey Fire House, the B & M Railroad, the Vanderheyden Site, and the Historic Green Island Area. Descriptions of the B & M Railroad Site (A08340.000064) and the Vanderheyden Site (A08340.000065) are outlined above (NYSM 1976a).

In April 1976, Karen Hartgen and Charles Fisher prepared a cultural resources survey for the Village of Green Island Interceptor and Trunk Sewers. This project was located along the eastern bank of the Hudson River in Green Island, about 0.5 miles northwest of the northern terminus of the current project area. The survey determined that no cultural resources would be disturbed by the proposed sewer project (Hartgen and Fisher 1976).

A cultural resources survey was conducted for the Woodbine Avenue Proposed Sewer Project by Duane T. and Theresa M. Murphy in September 1977. This survey was located 0.7 mile (1.13 km) west of the current project. No significant cultural resources were identified during this survey (Murphy and Murphy 1977).

Six cultural resources surveys have been completed between 1978 and 2002 at the Watervliet Arsenal located on the opposite side of the Hudson River from the about midpoint of the current project area. The earliest was completed by Rensselaer Polytechnic Institute's Public Archeology Program for Buildings 14 and 105 slated for removal (Rensselaer Polytechnic Institute Public

Archaeology Program 1978). In 1984, Jeanette Collamer completed an archeological investigation of the Proof and Range Building 112 (Collamer 1984). Also that year, Tabor Historic and Archeological Consulting conducted an archeological survey for a proposed expansion of Building 41 (Tabor 1984). In May 2000, HAA, Inc. conducted an assessment of a precontact chert blade encountered during landscaping undertaken adjacent to Building 19 (HAA, Inc. 2000). HAA, Inc. completed a survey for the Cannon Community Club Pavilion west of Building 41 in April 2002 (HAA, Inc. 2002b). Most recently, in September 2002 HAA, Inc. prepared a survey for the McNutt Lane expansion between Quarters 8 and Building 110 and 10 (HAA, Inc. 2002c). No archeological sites were identified by these surveys. The chert blade was the only precontact artifact found.

In January 1979, the NYSM completed a survey for PIN 1059.01, alternate Route 7, located 0.6 miles to 1 mile (0.97 km to 1.61 km) of the northern terminus of the current project area. The survey examined two possible alternatives for the path of Route 7. The first alternative surveyed encountered no cultural resources; this is the current location of Route 7. The other alternative of the project encountered one precontact site, the historic Erie Canal and Lock 6 of the canal, and the historic Champlain Canal channel (NYSM 1979).

In July 1980, Charles Fisher prepared a cultural resources survey for the proposed Rensselaer Polytechnic Institute Technology/University Park in the Town of North Greenbush. The survey was located 0.6 mile to 1 mile south of the southern terminus of the current project area. Twenty historic and precontact archeological sites were identified by the survey. Of these sites, three are located within one mile of the project area: A08307.000013 (Church Property), A08307.000024 (Glenmore Road Site), and A08307.000025 (Haydock House Foundation) (Fisher 1980).

HAA, Inc. completed a cultural resources survey for the Wynantskill Hydroelectric Power Project in September 1985. The project was located adjacent to the southern terminus of the current project. Features and artifacts associated with the Burden Iron Works Site (Upper) were encountered during this survey. It was determined that the Burden Site would be avoided by realignment of the proposed project (HAA, Inc. 1985).

The NYSM completed a cultural resources survey in November 1985 for the I-90/East Greenbush Access Study (PIN 1528.35.111). The survey was located 0.8 mile (1.29 km) southeast of the southern terminus of the current project area. Historic and precontact cultural resources were encountered during the survey, however, none of which occurred within the one-mile vicinity of the current project (NYSM 1985).

HAA, Inc. conducted a literature review and sensitivity assessment in July 1990 for the Rensselaer County Jail and Industrial Park. A portion of this survey is included in the current project area along the waterfront west of the Rensselaer County Jail. The survey determined that the area was sensitive to the presence of precontact and historic cultural resources associated with the Burden Iron Works and Office Building adjacent to the project area. Photos taken on the site visit show

features. Testing was recommended for any areas of ground disturbance and it was recommended that any historic features in the project area be mapped before any ground disturbing activities (HAA, Inc. 1990). Regrettably, no Phase IB archeological field testing was conducted before construction of the project began.

In July 1992, the NYSM prepared a cultural resources survey for PIN 1089.48.109, modifications to the area from the intersection of Routes 4 and 146 to Morrison Avenue. This project is located 0.5 miles (0.80 km) southeast of the current project. No cultural deposits were encountered during the survey.

HAA, Inc. completed a cultural resources survey in January 2000 for the Troy Bike Path, which is the northern continuation of the current proposed trail. Archeological field reconnaissance encountered no intact historic or precontact cultural materials and confirmed that the project area consisted of already disturbed deposits from hundreds of years of urban modifications to the landscape (HAA, Inc. 2000).

In July 2001, a survey for the Elm Street Bypass (PIN 1754.49) was completed by HAA, Inc. Field testing recovered numerous late 19th- and early 20th-century artifacts from the disturbed terrain. No features were observed (HAA, Inc. 2001)

The NYSM prepared a survey in September 2001 for the I-90 Exit 8 Connector with Route 4 (PIN 1089.62.121) located 0.8 miles southeast of the current project. Field testing identified two precontact sites, one of which, the Maychak-Gardner Site (A08307.002367) is located within the vicinity of this survey (NYSM 2001).

Most recently, in March 2002 HAA, Inc. completed a cultural resources survey for the RPI Biotechnology/Interdisciplinary Studies Building and Related South Campus Improvements located 0.6 miles (0.97 km) east of the current project. The archeological field reconnaissance located a historic 19th-century archeological site. The College Avenue Historic Archeological District consists of a neighborhood of 19th-century houses along the north side of College Avenue and the other along the east side of Eighth Street in the southwest corner of the RPI main campus (HAA, Inc. 2002d). Data retrieval mitigation of portions of the site to be affected by a proposed parking garage and performing arts center took place in the summer of 2002. Eleven separate house lots on College Avenue and six house lots on Eighth Street were investigated. Features including privies, cisterns, ice boxes, and house foundations were encountered beneath asphalt parking lots and soil fill. This site has been determined eligible for listing on the National Register of Historic Places (HAA, Inc., in progress).

New York State Museum (NYSM)

Archeological Sites

The archeological site files of the New York State Museum (NYSM) were reviewed to identify reported archeological sites within one mile of the project area. Eleven sites, two historic and nine precontact, were recorded in the NYSM site files (Table 3).

Table 3. NYSM archeological sites within one mile of the project area.

NYSM Site No.	Site Name and Description	Proximity to Project Area (PA)
1631	Schuyler Flatts (OPRHPA000104.000002). Outlined above.	0.5 mi (0.80 km) west of the PA, on the west bank of the Hudson River.
2795	Precontact camp site, "fishing and hunting implements found."	0.5 mi (0.80 km) northwest of PA.
4567	Precontact village "covering extensive area."	0.8 mi (1.29 km) east of PA.
4586	Precontact village.	1 mile south of PA.
7060	Glenmore Road Site (A08307.000024). Outlined above.	0.8 mi (1.29 km) south of PA.
7071	Church Property (A08307.000013). Outlined above.	0.9 mi (1.45 km) south of PA.
7078	Haydock House Foundation (A08307.000025). Outlined above.	0.8 mi (1.29 km) south of PA.
7372	Precontact camp.	Adjacent to south end of PA.
8360	Beatty's Flatts, precontact site.	0.5 mi (0.80 km) west of the PA.
9023	Precontact projectile point.	0.7 mi (1.13 km) northwest of PA.

Four of the NYSM sites (NYSM No. 1631, 7060, 7071, and 7078) were also reported in the OPRHP sites files and their information is outlined above in that section.

NYSM sites 2795, 4567, and 4586 were identified from an older site file recorded by A.C. Parker in 1922.

NYSM site 7372 was identified from an older site file dated 1928.

NYSM site 8360 is identified in the area of Schuyler Flatts by R.E. Funk.

NYSM site 9023 was reported due to a Genesee type projectile point provided to the area.

PRECONTACT AND HISTORIC OVERVIEWS**Precontact Background**

The lower Mohawk and mid-Hudson valleys have long been exploited by precontact groups for their resources. Paleo-Indians, the earliest humans to occupy the Northeast, were highly mobile in small bands and left little evidence of their occupation. Archeological data suggest their impetus

dates as early as 10,000 B.C. A comparatively large number of Paleo-Indian sites occur on the southern fringes of Lake Ontario in the northern parts of Cayuga, Onondaga, and Oswego Counties. There is no documented evidence of Paleo-Indians in Rensselaer County. The Hudson River was, however, a primary source for subsistence and habitation. Paleo-Indian sites, lithic quarries and workshops, and myriad activities have been recorded in the Coxsackie region further south in the mid-Hudson valley. Recently, a lone fluted-point was found in the peaks of the Taconic Mountains near Petersburg Pass at an elevation of 2,200 above mean sea level (MSL) indicating the broad range of movement these groups practiced (HAA, Inc. 2001).

The Archaic period in Northeast precontact begins around 7000 B.C. and continues until roughly 1000 B.C. Sparse evidence of human occupation exists through the early and middle portion of the Archaic period. While these groups are found in numbers to the south in the West Virginia and the Carolina regions, in the mid-Hudson valley, there are no substantial Early and Middle Archaic sites recorded. Postglacial ecological change has been invoked as one possible explanation. Robert Funk has postulated that if early Archaic groups were present in upstate New York, New England, or other parts of the Northeast, they must have been widely disbursed with a low population density (Funk 1976:232). The paucity of Early and Middle Archaic sites could also be due to the methods, techniques, and interpretive tools heretofore used to explore these sites.

During the Late Archaic period (4000-1000 B.C.), the frequency of archeological sites increases rather dramatically throughout most of the Northeast. The emergence of the Laurentian tradition culture in the mid-Hudson valley marks the onset of the Late Archaic expansion regionally. The formative Otter Creek groups of the Laurentian are found in the Champlain Valley of Vermont and as far north as Maine. It has been suggested that these groups have connections with Maritime cultures and may be the predecessors of groups using Maritime, Eskimo-like tools here in the mid-Hudson valley. A later stage of the Laurentian Vosburg groups is prevalent in the mid-Hudson valley with a number of sites recorded at the mouth of the Hoosic River north of the project area.

Following the Laurentian culture, River and Sylvan Lake cultures became the predominant groups in the region during the Late Archaic period (2500-1000 B.C.) These cultures are known to have focused on smaller tributary streams and wetlands for resources. Archeological data suggests that the River and Sylvan Lake cultures exploited areas that contained oak trees and other floral resources for nuts and seeds as part of their subsistence. At the terminus of the Late Archaic period, Snook Kill groups populated the region (Funk 1976: 230-255).

The onset of the Woodland period is marked by the use of pottery vessels and an increase in population density. The Early Woodland period is represented in the region by Meadowood and Middlesex cultures (760 B.C.). With the Middle Woodland period, we see the emergences of Fox Creek and Jack's Reef groups in the upper Hudson valley. Recently recovered archeological evidence suggests that during this time precontact groups began domesticating wild plant foods (1000 A.D.).

The Late Woodland period is characterized by the development of the nations and tribes that were later encountered by European settlers. Territorialization distinguished certain parts of the state as larger tribes developed fixed homelands. Accordingly, the mid-Hudson valley was included in the territory of the Mahican confederacy. The Mahican territory extended from the Lake Champlain basin south into Dutchess County and covered parts of western Vermont and Massachusetts. Hostilities between the Mahicans and the Mohawks inhibited the use of land west of the Hudson River Valley and likewise the Mohawks did not establish villages east of the Schoharie Creek. Typically, Mahicans selected hilltops overlooking river valleys for their palisaded villages, which featured bark-covered longhouses. Present data suggests that villages were commonly occupied by approximately 200 individuals with at least three nuclear families housed in each longhouse. For subsistence, the Mahicans depended mainly on a combination of horticulture, fishing, and hunting (Funk 1976:277-303).

Historic Background

The City of Troy

In September of 1609 Henry Hudson and his Dutch crew sailed up the Hudson River. Arriving near the village of Schotak, he met an Indian Chief...The Indian brought the Dutch 'beaver skins and otter skins', which were bought for beads, knives and hatchets (Brasser 1978:198-200).

Beginning in 1610, the Dutch began a program of expansion of trade with the Mahicans thus exacerbating the hostilities between the Mahicans and Mohawks and fueling a trade war between the tribes. The Dutch established permanent trading posts along the Hudson and negotiated a treaty between the Mahicans and Mohawks to stabilize relations between the tribes. This treaty did not stop the Mahicans from monopolizing their trading position, however; they made the Mohawks pay for access into the trading posts (Brasser 1978:202). The continued expansion and control of the fur trade on the part of the Mahicans was of great concern to the Mohawks. Their fear that the Mahicans were attempting to forge a trade agreement with the Algonkians to the north provoked them into signing a treaty with both the French and Algonkians and resulted ultimately in a raid on the Mahicans in 1624. Upon their defeat, the Mahicans were forced to abandon their territory west of the Hudson (Brasser 1978:203).

During the first half of the 17th century, the Dutch West India Company negotiated purchase of large tracts of land along the Hudson River from the indigenous peoples. The company subsequently offered this land to patentees on the condition that it was occupied for agricultural purposes and with strict limitations on the trade that was permissible between the colonists and aboriginal peoples. The motivation behind this pattern of development was the protection and stabilization of the fur trade (Brasser 1978:202).

Troy was formed as a town from the manor of Rensselaerswyck on March 18, 1791 (Hough 1872:562). Troy was incorporated as a village on April 2, 1801. On April 15, 1814, lands that had comprised the western edge of the Town of Brunswick since that town's erection in 1807 were annexed to the Village of Troy and became the 5th and 6th wards of the city when the charter was granted on April 12, 1816. At the beginning of the 19th century Troy grew as a prosperous trade port located at the confluence of the Hudson and Mohawk Rivers. Population of the city reached 5,264 persons by 1820 (Spafford 1824:527-528). The city continued to bloom as a commercial center trading manufactured goods and raw materials when the Champlain and Erie Canals opened in 1823 and 1825. By 1830, there were 11,556 people living in Troy. Five years later that number had increased to 16,959 (Gordon 1836:651). The 1840 census identified 19,334 Trojans (Disturnell 1842:398).

Rapid economic growth continued into the mid-19th century. Troy was already a flourishing commercial center when entrepreneurs began to develop manufacturing industries. The region's abundant natural resources, powerful mountain streams to generate power for mills, and established transportation network made Troy as suitable for manufacturing as it was for commerce. By the 1860s, two main industries, iron and shirt and collar industries, prevailed over the city's and the region's economy (Turbin 1992:21). Inevitable increases in population were recorded by the censuses of 1850 (28,785), 1855 (33,269), 1860 (39, 235), 1865 (39,293), and 1870 (46,465) (Hough 1872:565).

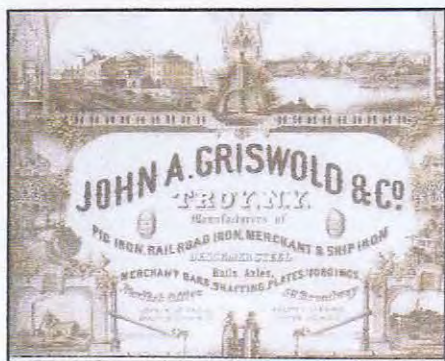
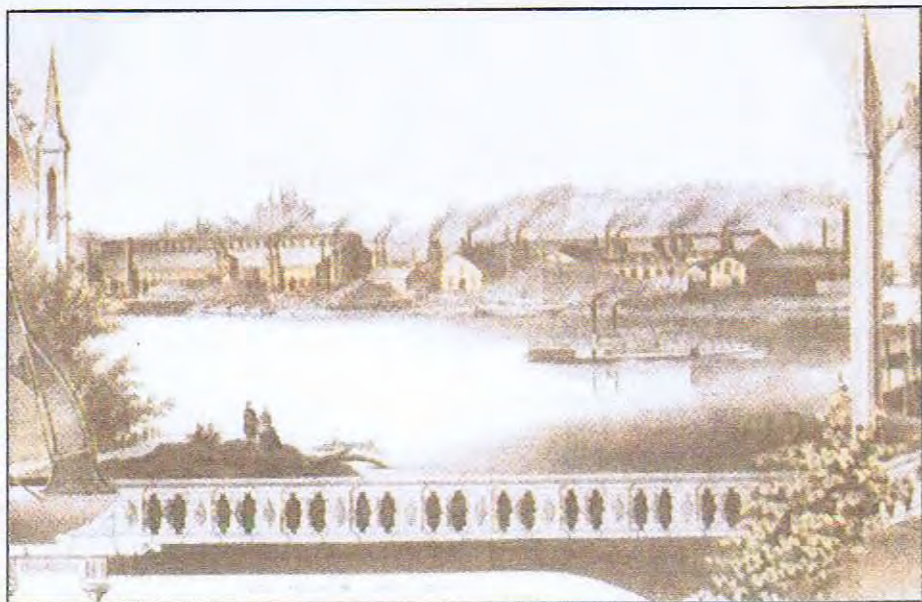


Figure 1. An advertising lithograph produced for John A. Griswold & Co. circa 1870 (left) and a close-up of the top right corner of the ad showing a riverfront view of Rensselaer Iron Works (right). The close-up shows how most of the industrialized southern portion of the project area may have looked in the 19th century. Industrial buildings and large heaps of coal characterized the area. The Bessemer Steel works and the Rensselaer Iron Works, both located along the project area (see Historical Maps section), were operated by Griswold & Co. (Phelan 1985).



Troy's waterfront played an important role in its development as a trade, commercial, and manufacturing center. Ship ports, shipping yards, manufacturer buildings and complexes lined the waterfront in the 19th and 20th centuries. Most prominent in this project area were two large parts of Troy's great iron industry: the Upper and Lower Burden Iron Works and Office Building near the southern end of the proposed trail and the Rensselaer Iron Works (later the Ludlow Valve Company) straddling the mouth of the Poesten Kill. Although the Burden Office Building is the only one of these structures still completely standing today; each of these complexes was documented by OPRHP building inventory and a survey conducted in 1973 by the Historic American Engineering Record. The survey chose to record the Rensselaer Iron Works, Upper and Lower Burden Iron Works, and the Burden Office Building as historic landmarks of American engineering and industry. Historical and architectural information was collected and reviewed for each of these structures. The history of these structures matches the story of Troy's prosperity as an iron manufacturing center in the mid- to late 19th century and eventual decline of the iron industry in Troy in the early 20th century (Vogel 1973).

Troy's population also began to decline by the 1930s as the flight to the suburbs and the movement of industry to the South continued to take its toll on the city. Urban renewal period of the 1960s and 1970s obliterated thousands of historic residential and commercial buildings in the downtown area. In the most recent decades, Troy has begun a renovation and revitalization of its downtown and riverfront areas, which includes the creation of this proposed bike trail.

HISTORICAL MAP REVIEW

Maps depicting the project area from c. 1756 to 1993 illustrate the pattern of land use and development and assist to determine the historic sensitivity of the project area. These include 18th-century maps, 19th-century landowner maps, Sanborn Fire insurance maps, and 19th-through 20th-century USGS maps. These maps document a high level of development in the project area followed by building demolition and reconstruction, as well as major shifts in land use. The main proposed path of the project area is depicted on each of these maps. The historical maps are discussed in chronological order.

c. 1756 British Museum *Map of the County of Albany* (Map 3)

An early map of the region published c. 1756 by the British Museum depicts first European development in the city of Troy. Four structures appear along the project area.

1791 Danforth *Map of Dwellings & Stores, in Troy 1791* (Map 4)

The Danforth map depicts the project area during the expansion of the city grid. The city has not extended into the portion of the project south of the Poesten Kill yet. River Street and many of

the east-west streets appear in their current location. Front Street does not yet exist. A number of residences and businesses are located along the path of the project.

1818 Klien *Map of the City of Troy from Actual Survey* (Map 5)

The 1818 Klien map shows Troy having expanded farther north. By this time most of the city has been divided into house lots. Front Street still has not been created yet and the areas south of the Poesten Kill have not yet been urbanized.

1845 Beers *Troy, N.Y. from Actual Survey By S.A Beers* (Map 6)

The 1845 Beers map depicts most of the streets in their modern alignment, but does not include the area south of Polk Street. The city grid has been divided into building lots. The lower portion of the Poesten Kill was straightened sometime in the decade previous to the date of this map, changing the location where the waterway enters the Hudson. A ship basin lies in the present location of Front Street west of where the project turns onto River Street. The northern terminus of the project is adjacent to four furnace foundries.

1881 Beck & Pauli *Panorama of Troy, NY* (Map 7)

The 1881 "bird's-eye view" of Troy is a panoramic view of the city from the west bank of the Hudson. All of the project area is included in this illustration. At the southern terminus of the project along Water Street a row of structures is depicted. The Bessemer Steel Works and the Burden Iron Company are depicted near the southern terminus of the project. The Clinton Stove Works and Rensselaer Iron Works flank the north and south sides of the Poesten Kill. The ship basin on previous maps has been filled in. A sprawling depot for the New York Central and Hudson River Rail Road covers the southern portion of the section of bike trail on River Street. Dense urban development characterizes the northern area of the city, where the proposed trail cuts along the river bank through several factories and shops.

1881 Hopkins *City Atlas of Troy, New York*. (Maps 8a & 8b)

The 1881 Hopkins map shows a plan representation of most of the project area. The row of structures shown along Water street in the 1881 "bird's-eye view" (Map 7) appear south of Water Street in this map also. The Burden Iron Works occupy the southern portion of the map with numerous rail tracks. North of Burden is the Clinton Stove Works, Albany-Rensselaer Iron Works, the Rensselaer Iron Works, and the New York Central and Hudson River Rail Road Company. River Street, Division Street, and Front Street are lined with residences, stores, shops, factories, and coal yards. Where the proposed trail makes its way along the riverfront near the northern terminus of the project the trail cuts through several businesses including W.H. Frear's and H.S Church's general stores.

1891 Beers *Atlas of the Hudson River Valley from New York City to Troy* (Map 9)

The 1891 Beers map includes all of the project area. The Burden Iron Company, Bessemer Steel Works, and the Troy Steel and Iron Company occupy the southernmost portion of the project area. The section west of the area between Tyler Street and Monroe Street appears carved out compared to earlier and later maps. Perhaps soil was removed from this area for filling elsewhere. Several businesses and lumber and coal yards lie along River Street, Division Street, and Front Street. The proposed trail extends behind the Hall, through a collar factory, and behind a warehouse at its northern terminus.

**1903/1904 Sanborn *Troy, N.Y., Volume 1, Sheets 1 and 3* (Map 10a) &
Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119,
and 120 (Maps 10b & 10c)**

The 1903 and 1904 fire insurance map published by the Sanborn Map and Publishing Company, Ltd. depicts most of the project area excluding a strip of undeveloped land between Polk Street and Van Buren Avenue. The remainder of the project area consists of urban and industrial development. The southern portion of River Street consists of tracks for the New York Central and Hudson River Rail Road. River Street, Division Street, and Front Street are lined with stores and shops. Where the proposed trail diverges from Front Street to extend along the riverfront, it cuts through coal sheds, storage houses, and freight houses.

1928 USGS *Troy Quadrangle, New York* (Map 11)

The first 20th-century map in his review was produced by the United States Geological Survey in 1928. The southern portion of the project area is contains heavy industrial development. Railroad tracks extend along a portion of the waterfront here. Dense urban and industrial development covers the project area from Madison Street north to the northern end of the proposed trail.

**1951 Sanborn *Troy, N.Y., Volume 1, Sheet 1* (Map 12a) &
Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119, 120,
and 175 (Maps 12b & 12c)**

Sanborn Map and Publishing Company produced another fire insurance map of Troy in 1951. The map shows a beginning of a change the character of the city. The industrialized area to the south has changed little except changes in hands of ownership for many of the properties. The development in the area along Front Street and the riverfront in the northern portion of the project has grown sparse and large strips have developed into "Auto Parking."

1993 NYSDOT Troy South Quadrangle, New York, 7.5 Minute Series (Map 1)

The 1993 New York State Department of Transportation (NYSDOT) quadrangle is the most recent map of the project area. The map depicts the southern portion of the project area as somewhat dispersed industrial development. The large railroad depot between Monroe Street and Adams Street is no longer depicted and the tracks now stop south of the Poesten Kill. Mining activity is cited west of Harrison Street along the riverfront. The northern portion of the project is urban with no major buildings depicted. The Congress Street Bridge has been constructed over Front Street, which extends under the bridge.

PHASE I HAZARDOUS WASTE ASSESSMENT

A Phase I Hazardous Waste Assessment report for the Proposed South Troy Industrial Park Road was prepared by Erdman Anthony and Associates, Inc. in July 2002. This project is included in the southern portion of the Proposed South Troy Riverfront Bike Trail from the Troy-Menands Bridge north to Adams Street. The hazardous waste assessment determined that much of the soils in the project area consisted of slag used as fill, along with varying amounts of cinders, iron ores, cobbles, gravel, wood, foundry sand, bricks, ashes, and silt. The depth of fill in subsurface testing varied from 5 to 40 feet (1.5 to 12.2 m) in most areas along the riverfront. Several areas along the riverfront may also have "adverse environmental conditions" as determined from documentary evidence and site walkovers (Erdman Anthony 2002).

Previous sub-surface testing in the areas immediately north of the Rensselaer County Jail and extending south of the jail to Water Street found hazardous waste contamination of the soils. Sub-surface testing conducted for the New Penn development north of the jail property found fill composed mostly of slag approaching 30 feet (9.1 m) in some areas. The environmental reports for the area immediately north of the Rensselaer County Jail also included the Rensselaer County Jail facility property and found fill materials composed of sand, gravel, and slag. Evidence of hazardous waste disposal was not found on the property; however, petroleum products were noted on the site and low levels of volatile organic compounds and semi-volatile organic compounds were found in groundwater samples. The site approximately 400 feet (121.9 m) south of the jail property found deep fill and elevated levels of petroleum compounds, arsenic, and benzene in the soil and groundwater. Assessments of the Niagara Mohawk Power Corporation Manufactured Gas Plant near the southern terminus of the project area found fill composed of slag, ash, cinders, bricks, and gravel ranging from 5 to 40 feet in thickness. In addition, subsurface soil samples in this area indicated high levels of volatile organic compounds, semi-volatile organic compounds, and several metals (Erdman Anthony 2002).

The remediation of contaminated soils at the Niagara Mohawk Power Corporation Manufactured Gas Plant property may include the of excavation of soil and treatment by off-site thermal desorption, asphalt cap installed to cover soils, closure of underground structures, and

removal and disposal of purifier wastes. Erdman Anthony also recommended that a Limited Phase II Subsurface Investigation for hazardous waste be performed along the project corridor in order to obtain additional information about the soils (Erdman Anthony 2002). This Phase II investigation has not yet been completed.

SITE VISIT

The first portion of the site visit for this project was conducted on February 2003 and at a later date once the snow had melted on March 27, 2003. The entire project area was examined in a walkover survey and photographs were taken to document the physical characteristics of the project corridor.

The southern most end of the project area along Water Street consists of existing asphalt roadway and a steep embankment along the south side of the road (Photos 1 and 2). Water Street has been in existence since the second half of the nineteenth century (Maps 7 and 8a). This area has probably been affected by historic cutting or filling. Impacts in the area will include removal of vegetation and large debris along the east side of the road, minor grading, installation of a retaining wall, and paving for the bike trail.

The trail proceeds eastward under a railroad bridge (Photo 3) and into the King Fuel Service property towards the edge of the Hudson River (Map 2a and Photo 4). A gas pipeline extends along the river through the King Fuel Service property. Two alternatives exist for the alignment of the trail through this area (Map 2a). The main proposed trail will extend parallel with the pipeline approximately 17 m (55.8 ft) east of the river and a protective fence may be installed to separate the pipeline from the trail. Alternative A will involve bridging the pipeline by building the trail on concrete piers along the river embankment. Three 20th-century structure ruins along the proposed trail path will be demolished (Photos 5 and 6). These ruins include a cinder block-constructed workshop/garage, a set of poured concrete silos, and a brick water pumping station. These buildings first appear on the 1951 Sanborn map (Map 12a). Most of this area is characterized by paved parking areas, grass, and brush vegetation. The impacts in most of the King Fuel Service property will most likely be minimal and consist of filling due to the presence of hazardous wastes in this area (see Phase I Hazardous Waste Assessment above).

The portion of trail extending through the Rensselaer County Industrial Development property will be along the riverfront. This area was the former location of the Burden Iron Works and railroad tracks. This area consists of trees and brush vegetation (Photo 7). A steep embankment extends down to the river from the trail location. Coal slag and piles of concrete debris is apparent on the ground surface. A round brick feature extending below ground surface was encountered approximately 15 feet (4.6 m) from the trail alignment and 100 feet (30.5 m) from the Rensselaer County Jail Access Road. It was approximately 5 or 6 feet (1.5 or 1.8 m) in diameter with a metal lid (Photo 8). It had the appearance of a brick cistern, but the interior was not targeted. North of the

location of the brick feature differences in vegetation growing on the ground surface may indicate another subsurface feature such as a filled in building foundation. Impacts in this area will include filling, vegetation removal, and new paving for the trail in this area

The proposed trail alignment though the Rensselaer County Jail property appeared graded with a steep embankment to the west of the trail (Photo 9). A guard rail and some vegetation plantings will be placed along with the trail construction.

A side route to the trail will bring visitors to the Burden Office Building as a visitors center (Map 2b). This portion of the trail will be constructed along the south side of the access road for the County Jail and will turn north to extend along the east side of the South Troy Industrial Park Road. This portion consists of a level grassy area (Photo 10). A fire hydrant is located along the proposed alignment on the Industrial Park Road indicating there may be at least disturbance from a water line in this location; however disturbance from historic industrial development also characterizes this area.

The trail along the riverfront continues from the County Jail property into Rensselaer County Industrial Development property adjacent to the New Penn facility (Map 2b-c). A steep embankment extends down to the river west of the trail. Piles of slag and concrete debris line the top of the embankment and this area has also been graded (Photo 11). The piles of slag debris continue to line the top of the river embankment until the southern edge of the Troy Slag Products property. This area consists of deep deposits of fill as evidenced by the slag deposits appearing in a cut in the embankment (Photo 12) and a significantly large pile of slag (Photo 13). The hazardous waste assessment described the deposits as fill composed of mostly slag and up to 30 feet (9.1 m) deep (Erdman Anthony and Associates, Inc. 2002). Trail construction impacts in this area will consist of grading the debris piles along the top of the embankment and some slope stabilization with retaining walls.

The Troy Slag Products property is characterized by piles of gravel and paved parking areas (Photos 14). The proposed trail in this area will be constructed along the riverfront. Impacts will include grading of debris piles and slope stabilization with retaining walls.

The trail extends along paved parking areas along the riverfront in the Bruno Machinery property (Photo 15). Impacts will include minor grading and paving.

Two alternatives of the trail corridor exist at the northern border of the Bruno Machinery property (Map 2c). The main proposed trail may continue along the riverfront through the Scolite International property, where piles of metal debris will be removed for trail construction (Photo 16). The trail will then either extend east up the south side of the Poesten Kill and over the water way on the proposed Industrial Park Road Bridge and then northward to River Street. Trail impacts will be along the east side of the South Troy Industrial Road (Photo 17). Alternative E will take a similar

path, but will extend directly over the Poesten Kill on a proposed bridge, then north and east along the riverfront to connect with River Street (Map 2c-d). The deposits that comprise this area mostly consist of deep historic fill. This portion of the project area was a ship marina until the mid-19th century when it was filled in and became an Iron Foundry and rail yard (Maps 6 and 7). Alternatives C and D extend east along the north side of Madison Street from the Bruno Machinery property (Photo 18). Alternative C turns northeast off of Madison Street, extends through a rail yard (Photo 19), connects with First Street, then extends along the west side of First Street until it turns west down Adams Street (Map 2). Alternative D extends along Madison Street, turns north along the west side of First Street, and then turns west along the south side of Adams Street (Map 2d).

The trail continues along the west side of River Street. Most of this area already consists of asphalt paving and trail impacts in this area may only include barriers to separate the roadway from the trail and resurfacing the existing asphalt (Map 2d and Photos 20 and 21).

The trail turns west along the west side of Division Street which turns into Front Street along the riverfront (Map 2e). Impacts for the trail will include widening the roadway about 10 feet (3.0 m) to the east and removing an existing concrete barrier and chain link fence (Photo 22). Grading of the existing topography will be minimal along Front Street. The trail diverges from Front Street after crossing the west end of Congress Street to continue along the riverfront. This area currently consists of paved parking, sidewalks, and some small grassy areas along the riverfront (Photos 23 and 24). Impacts will include widening sidewalks, construction of retaining walls, and grading. Manholes indicating storm sewers are located in the sidewalk near the northernmost end of the project area (Photo 25).

The trail terminates in the Riverfront Park. No modifications will be necessary until the northern end of the park where a new trail will be constructed to extend towards River Street (Map 2f and Photos 25 and 26).

ARCHEOLOGICAL SENSITIVITY ASSESSMENT

Precontact Archeological Sensitivity

The entire project area extends along the east bank of the Hudson River. Along rivers, streams, and lakes were favorable locations for Native American occupation and usually tend to have a high sensitivity for precontact archeological resources. The South Troy Riverfront Bike Trail has eleven previously recorded precontact sites within one mile. Based on these reports and the location of the project area, the precontact sensitivity of the project area is considered high. However, most of the project area is covered with historic fill and the shallow subsurface impact of this project will not likely reach the depth of natural soils. Based on this, the project area has a low sensitivity for the presence of intact precontact archeological deposits.

Historic Archeological Sensitivity

The proposed trail extends along a portion of the Troy riverfront where the iron industry and business district of Troy thrived from the 19th to early 20th century. Encountering archeological remains of these buildings and industries is possible. The environmental information, historic maps, and site visit indicate a long history of landscape modifications in the project area. The southern portion of the trail extends mostly along the edge of the riverbank where railroads, docks, and coal yards were located. Very few features are depicted in the location of the trail and it is likely most of this area consists of deep deposits of historic slag fill created by 19th-century industries that operated along this area. The historic sensitivity for the southern portion of the project area is moderate.

The area surrounding the Burden Iron Works Office Building appears to have never been significantly impacted since the building has been in its current condition from the late 19th century. Therefore, there is a moderate sensitivity for historic cultural material associated with the structure in the surrounding vicinity.

The central portion of the trail travels along River Street, Division Street, and Front Street, which have existed in their current alignment since the late 18th and early 19th century. The northern portion of the project area, where the trail diverges from Front Street and passes through the Riverfront Park, was occupied in the 19th century by the back lots and buildings of businesses, shops, and warehouses along Front Street. Archeological resources dating to the 18th through early 20th centuries in the northern and central portions of the project area have been disturbed by activities such as, building demolition, new building construction, road and parking area development, utility installation, and cut-and-fill. The archeological sensitivity for intact historic cultural materials in northern portion of the project area is low to moderate.

RECOMMENDATIONS

Impacts along the south side of Water Street may impact subsurface deposits. Hand excavated shovel test pits should be placed at 50-foot (15.24 m) intervals along this area. The remainder of the southern portion of the project area will be sustaining no to minimal subsurface impacts due in part to concern for hazardous subsurface soil contamination. No subsurface archeological testing is recommended for these areas. The brick feature encountered south of the Rensselaer County Jail property is outside of the APE, however it may be filled for safety reasons since it is adjacent to the trail. If the feature is to be filled, mapping, photographic, and scaled drawing documentation should be recorded.

Archeological reconnaissance should be conducted for any subsurface impacts around the exterior of the Burden Iron Works Office Building to investigate the presence or absence of features associated with the National Register listed structure.

Impacts in most of the northern portion of the project area will have minimal to no subsurface impact. However, the widening of the south end of Front Street and the construction and widening of existing paved sidewalks along the riverfront near and at the northern terminus of the project corridor may impact subsurface deposits. Phase IB archeological reconnaissance consisting of backhoe-excavated trenches in paved areas and hand-excavated shovel testing in grassy areas is recommended in the northern portion of the project area.

BIBLIOGRAPHY

- Beck & Pauli
1881 *Panorama of Troy, NY*. Beck & Pauli, Milwaukee. Library of Congress, Washington, D. C.
- Beers, F.W.
1891 *Atlas of the Hudson River Valley from New York City to Troy*. Watson & Co., New York.
- Beers, S. A.
1845 *Troy, N. Y. from Actual Survey*. G. & W. Endicott, Lith., New York. Rensselaer County Historical Society (RCHS 71.142.2). Also New York State Library, Manuscripts and Special Collections, Albany, NY and Troy Public Library, Troy, NY.
- Brasser, T.J.
1978 Mahican. In *Handbook of American Indians*. Vol. 15 Northeast. Ed. Bruce G. Trigger. Smithsonian Institution, Washington, D.C.
- British Museum
c.1756 *Map of the County of Albany*. British Museum, Crown Collection. Photostatic copy in the New York State Archives.
- Collamer, Jeanette R.
1984 *Stage 1A & 1B Archeological Investigation, Area of the Proof Range – Building 112, Watervliet Arsenal, Watervliet, New York*. On file at OPRHP, Waterford, New York.
- Danforth, H. W.
1791 *Map of Dwellings & Stores, in Troy 1791*. Reproduced by Weise & Bardin, Troy, New York, 1876.
- Disturnell, J.
1842 *A Gazetteer of the State of New York*. J. Disturnell, Albany, New York
- Erdman Anthony and Associates, Inc.
2002 *Phase I Hazardous Waste Assessment Technical Report, Proposed South Troy Industrial Park Road, City of Troy, Rensselaer County, New York*. Found at HAA, Inc., Rensselaer, New York.

Fisher, Charles

- 1980 *Archeological and Historical Survey of RPI's North Greenbush Property, Field Survey*. On file at OPRHP, Waterford, New York.

Fisher, D.W., Y.W. Isachsen, L.V. Rickard

- 1970 *Geological Map of New York, Hudson-Mohawk Sheet*. New York State Museum and Science Service, Albany, New York.

Gordon, Thomas F.

- 1836 *Gazetteer of New York State*. R. Pearsall Smith, Syracuse, New York.

Hartgen Archeological Associates, Inc. (HAA, Inc.)

- 1985 *Stage I Cultural Resource Survey for the Wynantskill Hydroelectric Power Project, Troy, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.
- 1990 *Report for Archeological Potential, SEQR Parts 1A & 3, Rensselaer County Jail and Industrial Park, City of Troy, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.
- 1992 *PIN 1089.48.109, Rte. 4/ Vandenburg Avenue and Morrison Avenue, City of Troy, Town of North Greenbush, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.
- 2000a *Archeological Assessment of an Aboriginal Chert Blade Found Near Building Nineteen, Watervliet Arsenal Watervliet, New York*. On file at OPRHP, Waterford, New York.
- 2000b *Phase IA Archeological Sensitivity Assessment and Phase IB Archeological Field Investigation, Troy Bike Path, City of Troy, Rensselaer County, New York*. On file at OPRHP, Waterford, New York.
- 2001 *Phase IB, Archeological Field Investigation, Elm Street Bypass, Town of Colonie, Albany County, New York, PIN 1754.49*. On file at OPRHP, Waterford, New York.
- 2002a *Archeological Investigation, Schuyler Flatts Cultural Park, Town of Colonie, Albany County, New York*. On file at OPRHP, Waterford, New York.
- 2002b *Phase IA Literature Review and Phase IB Archeological Field Investigation, Addendum, Proposed Pavement Expansion, MacNutt Lane, Between Quarters 8 and Buildings 110 and 10, Watervliet Arsenal, City of Watervliet, Albany County, New York, Solicitation #DAAA22-02-Q-0255*. On file at OPRHP, Waterford, New York.
- 2002c *Phase IA Literature Review and Phase IB Archeological Field Investigation*
- 2002d *Phase IB Archeological Field Reconnaissance, Rensselaer Polytechnic Institute, Biotechnology/Interdisciplinary Studies Building and Related South Campus Improvements, Troy, New York*. On file at OPRHP, Waterford, New York.

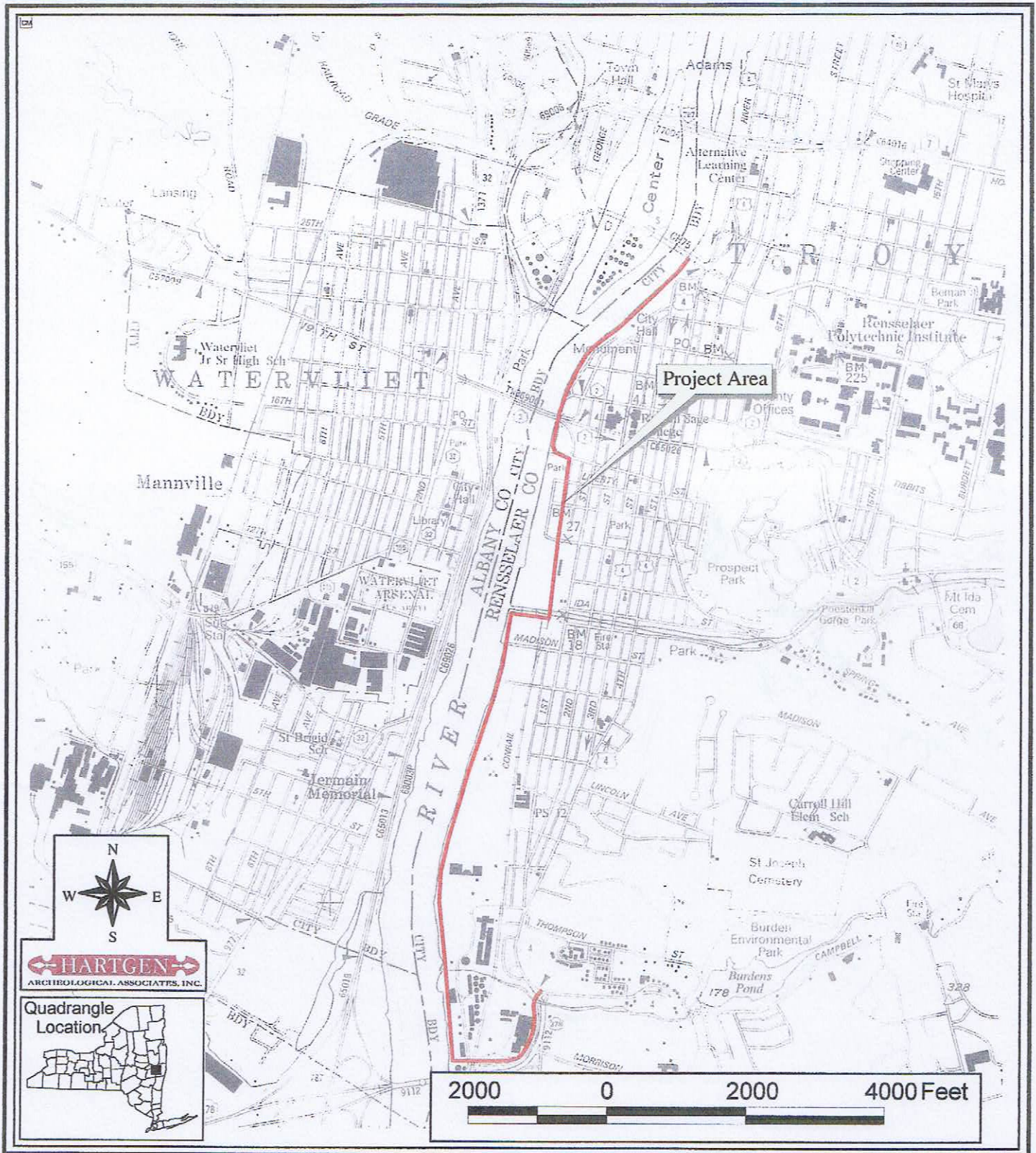
Huey, Paul R.

- 1975 *Archeology at the Schuyler Flatts*. On file at OPRHP, Waterford, New York.

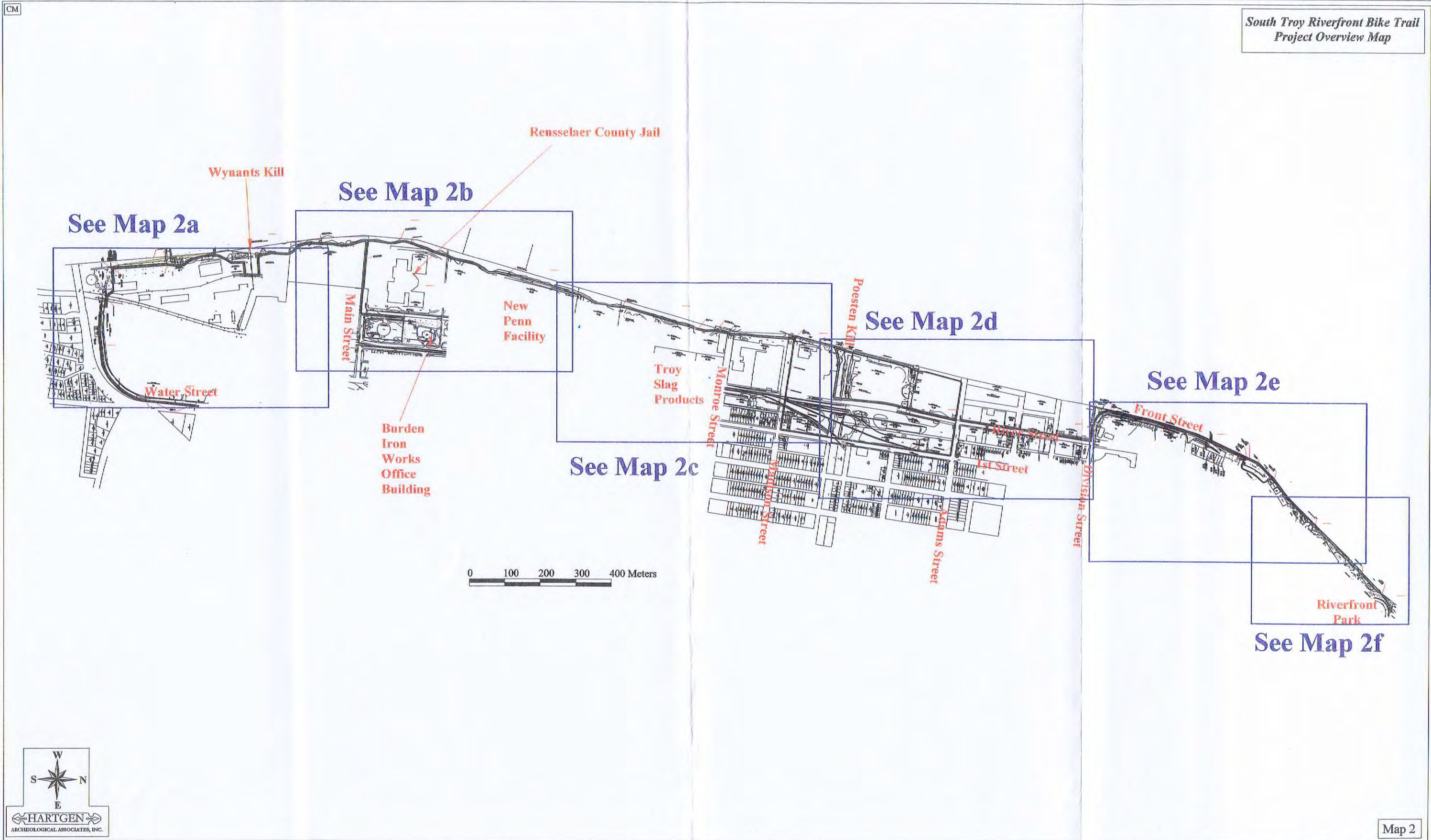
- Hartgen, Karen and Charles Fisher
1976 *Stage I Cultural Resources Survey of Village of Green Island Interceptor and Trunk Sewers, Contract 5 and 6*. On file at OPRHP, Waterford, New York.
- Hopkins, Griffith Morgan
1881 *City Atlas of Troy, New York*. F. Bourquin, Philadelphia, Pennsylvania.
- Hough, F. B.
1872 *Gazetteer of the State of New York*. Andrew Boyd, Albany, New York.
- Klein, John
1818 *Map of the City of Troy from Actual Survey*. Albany: C. Wright. Reproduced in A. J. Weise, *History of the City of Troy*. William H. Young, Troy, New York,
- Küchler, August W.
1964 *Potential Natural Vegetation of the Conterminous United States*. American Geographical Society, New York.
- Munsell Color
2000 *Munsell Soil Color Charts*. GretagMacbeth, New Windsor, New York.
- Murphy, Duane T. and Theresa M. Murphy
1977 *Additional Stage I Archeological Survey, Town of Colonie, New York, Woodbine Avenue Proposed Sewer Project*. On file at OPRHP, Waterford, New York.
- New York State Department of Transportation [NYSDOT]
1974 *Troy South 7.5' Topographic Quadrangle*.
1993 *Troy South 7.5' Topographic Quadrangle*.
- New York State Museum (NYSM)
1976 *Report on Highway Salvage Archeology Program 1975-76*. On file at OPRHP, Waterford, New York.
1978 *Report of Cultural Resources, Alternate Route 7, PIN 1059.01*
1979 *Cultural Resources Survey Report, PIN 1059.01, Alternate Route 7*. On file at OPRHP, Waterford, New York.
1985 *Cultural Resources Survey Report, PIN 1528.35.111, I-90/North Greenbush Access Study, Town of North Greenbush, Rensselaer County*. On file at OPRHP, Waterford, New York.
2001 *Cultural Resources Reconnaissance Survey, PIN 1089.62.121, I-90 Exit 8 Connector with Rte. 4, Town of North Greenbush (MCD 08307), Rensselaer County, New York, Addendum*. On file at OPRHP, Waterford, New York.

- Phelan, Thomas
1985 *Hudson Mohawk Gateway: An Illustrated History*. Windsor Publications, Northridge, California.
- Rensselaer Polytechnic Institute Public Archaeology Program
1978 *Archaeological Investigation, Watervliet Arsenal, Watervliet, New York*. On file at OPRHP, Waterford, New York.
- Rittner, Don
2002 *Troy: A Collar City History*. Arcadia Publishing, Charleston, South Carolina.
- Spafford, Horatio Gates
1824 *A Gazatteer of the State of New York*. B.D. Packard, Albany, New York.
- Tabor Historic and Archeological Consulting
1984 *Cultural Resource Survey, Proposed Expansion of Building #41, Watervliet Arsenal, Watervliet, Albany County, New York*. On file at OPRHP, Waterford, New York.
- Turbin, Carole
1992 *Working Women of the Collar City*. University of Illinois Press, Urbana, Illinois.
- United States Department of Agriculture Soil Conservation Service (USDASCS)
1988 *Soil Survey Rensselaer County, New York*. In cooperation with the Cornell University Agricultural Experimentation Station. U.S. Government Printing Office, Washington, D.C.
- United States Geological Survey (USGS)
1953 *Troy South 7.5' Topographic Quadrangle*.
1980 *Troy South 7.5' Topographic Quadrangle*. USGS, Reston, Virginia.
- Vogel, Robert M., ed.
1973 *A Report of the Mohawk-Hudson Area Survey*. Smithsonian Studies in History and Technology, Number 26. Smithsonian Institution Press, Washington, D.C.
- Weise, Arthur James
1886 *City of Troy, N. Y.* Published in *Weise's City of Troy and its Vicinity*. Edward Green, Troy, New York.

MAPS



Map 1
1993 NYSDOT Troy South Quadrangle, New York, 7.5-Minute Series





South Troy Riverfront
Bike Trail
Project Map with
Photo Angles

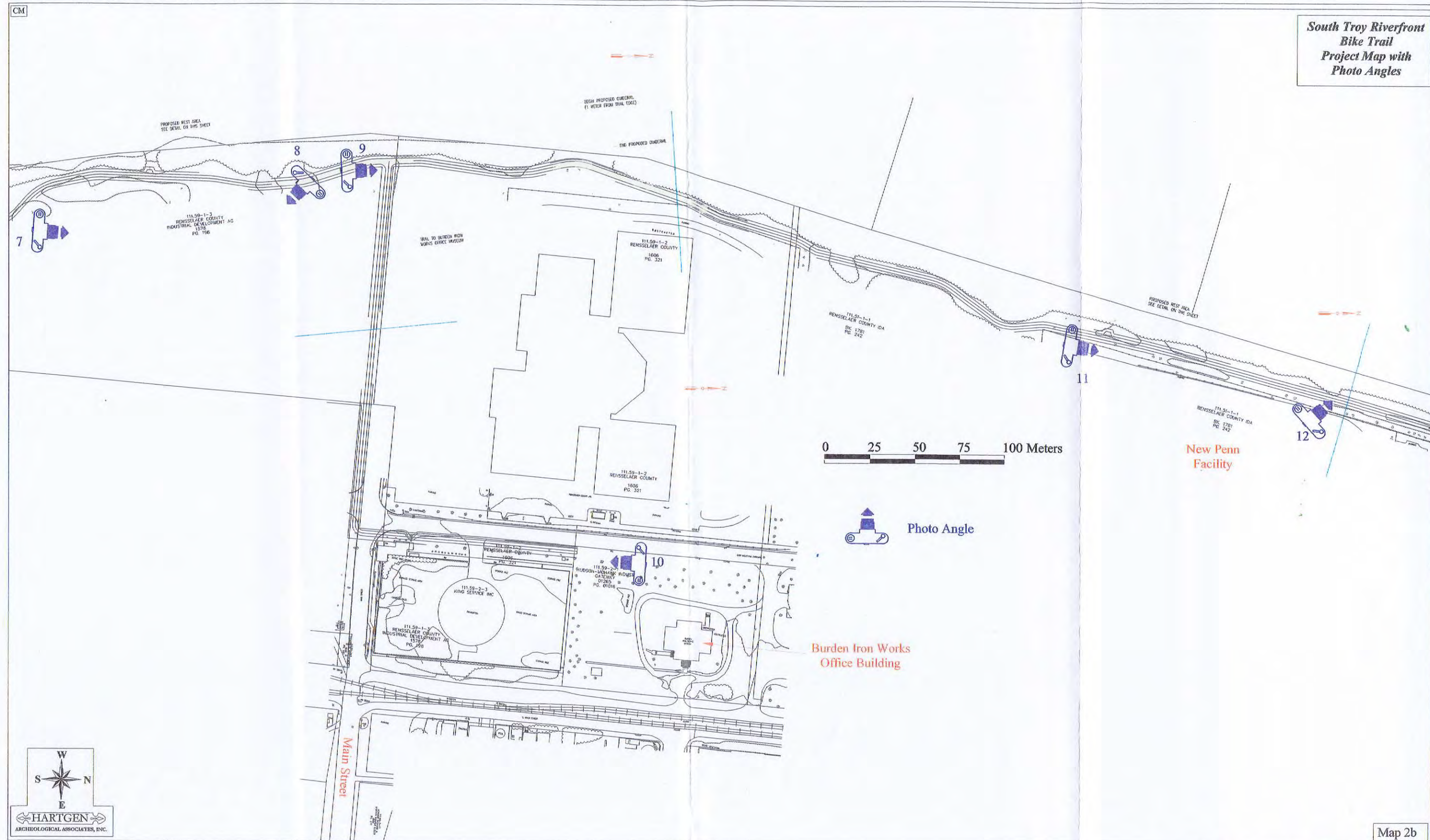
0 25 50 75 100 Meters

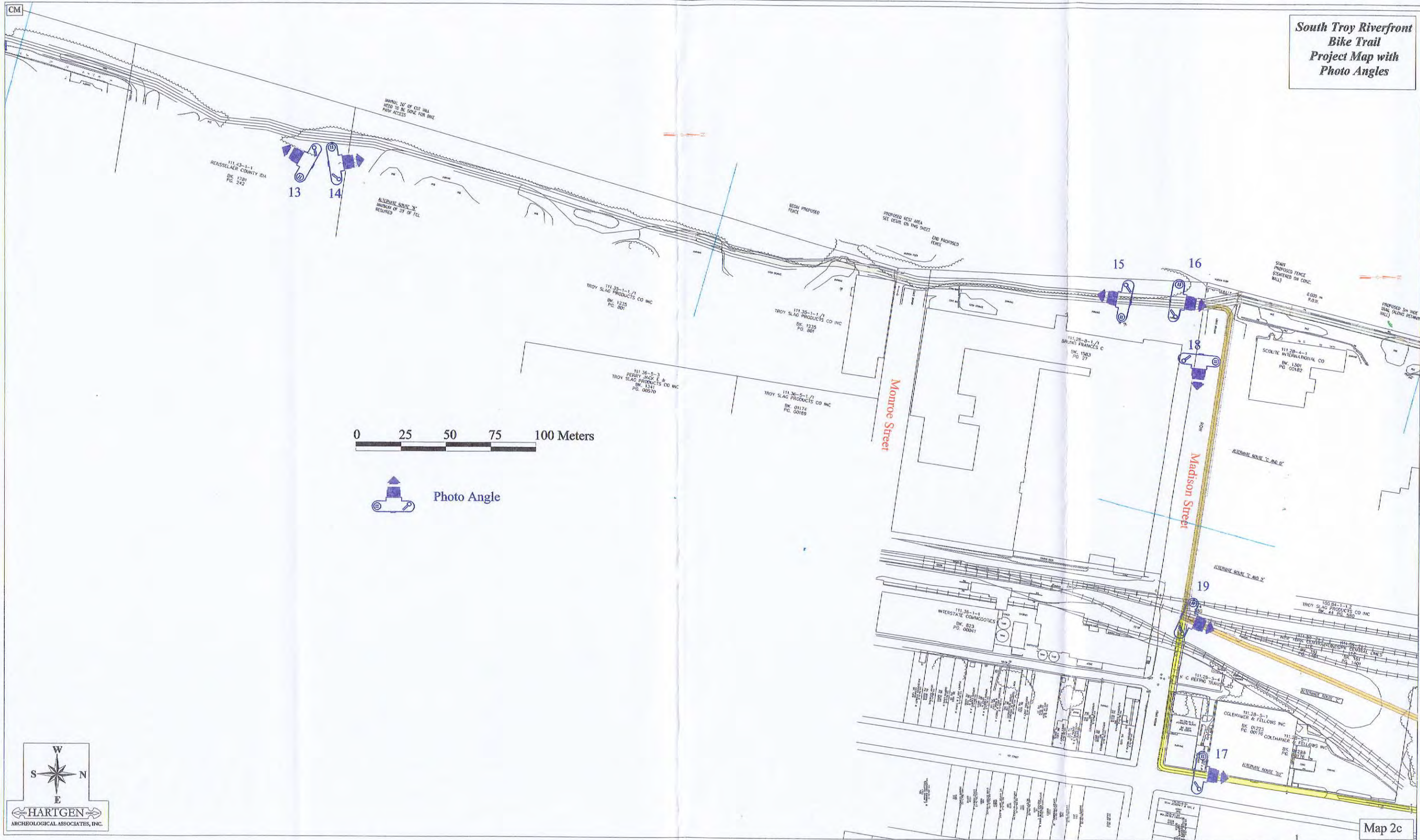
Photo Angle

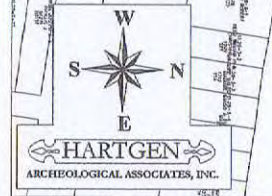
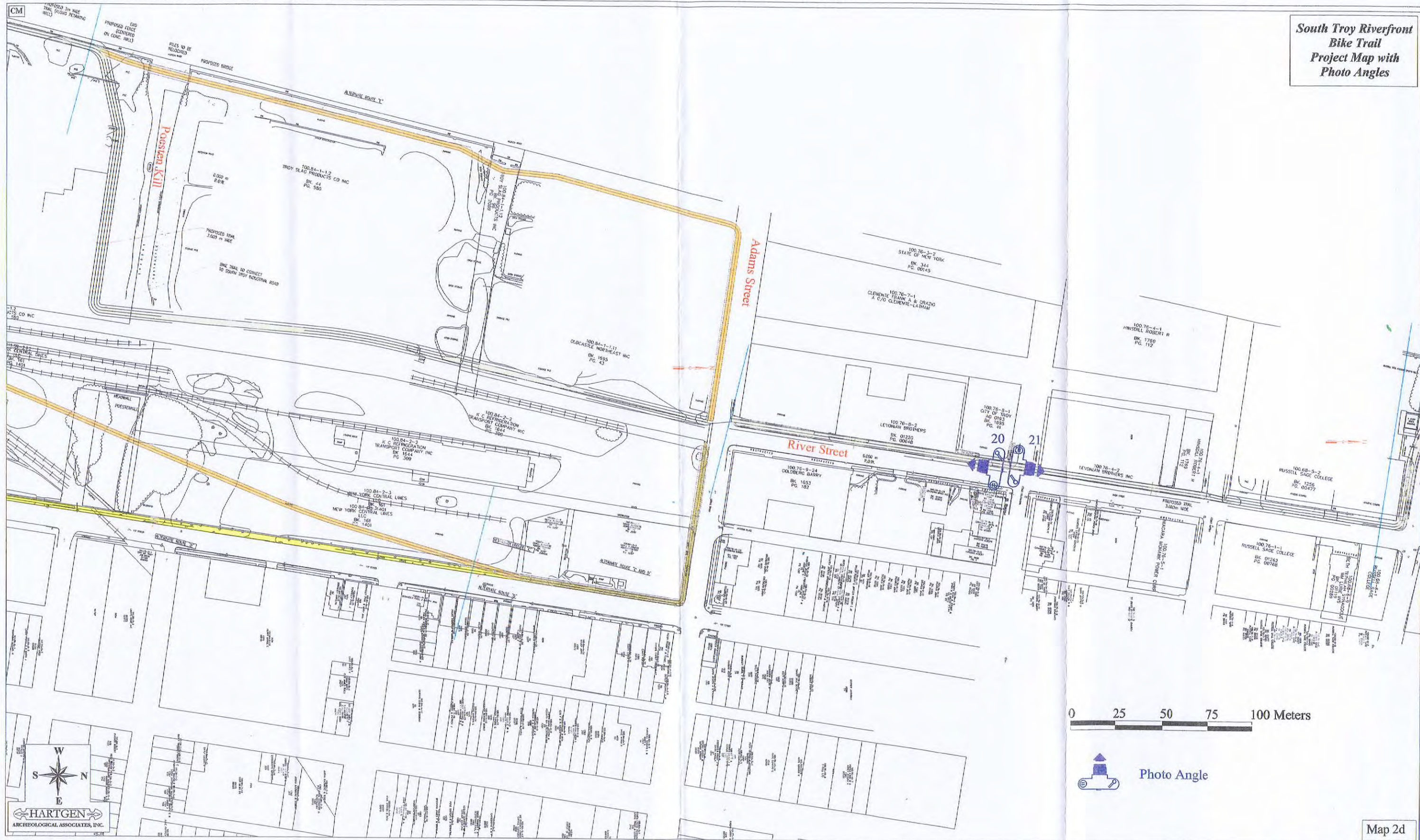


Map 2a

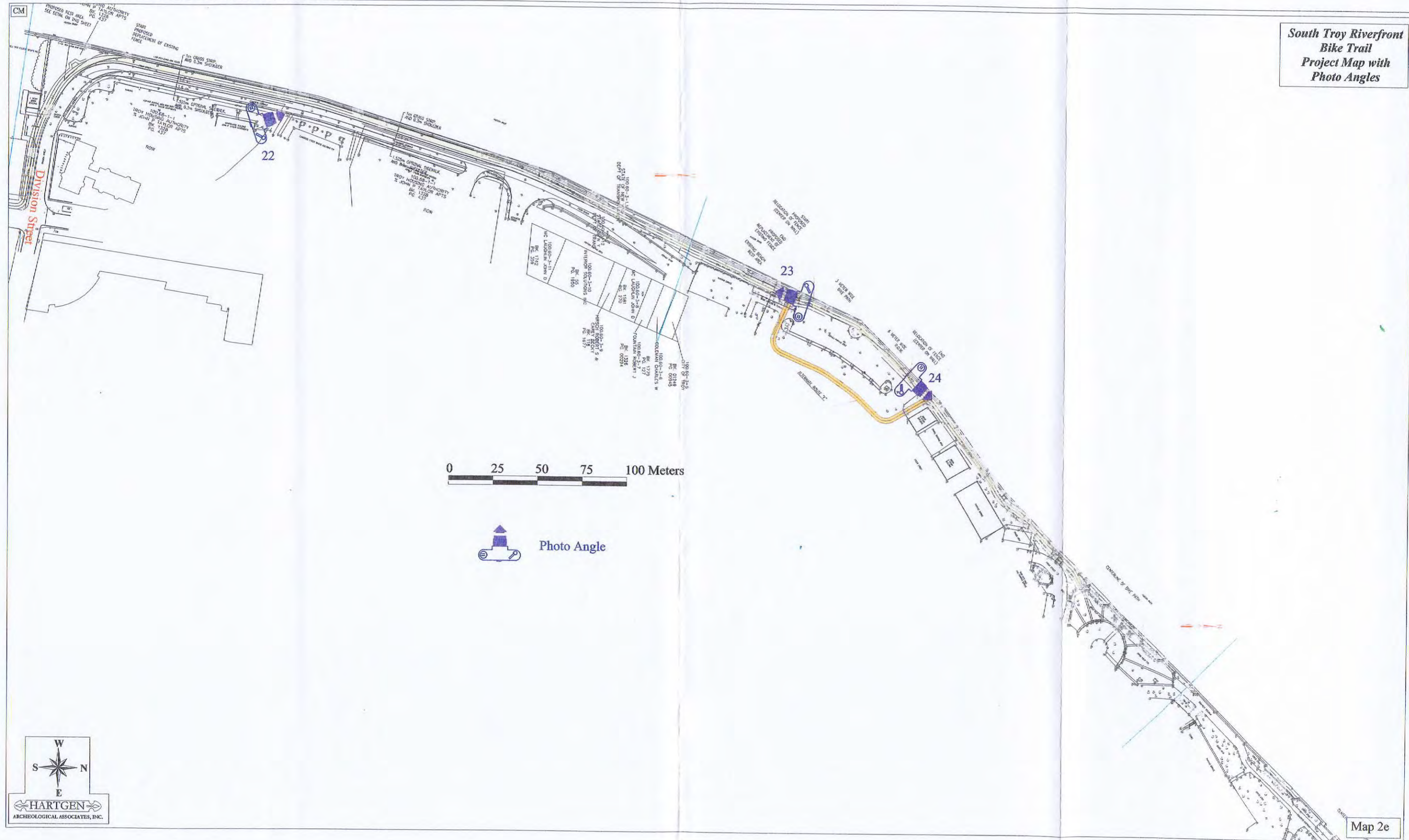
South Troy Riverfront
Bike Trail
Project Map with
Photo Angles







Map 2d

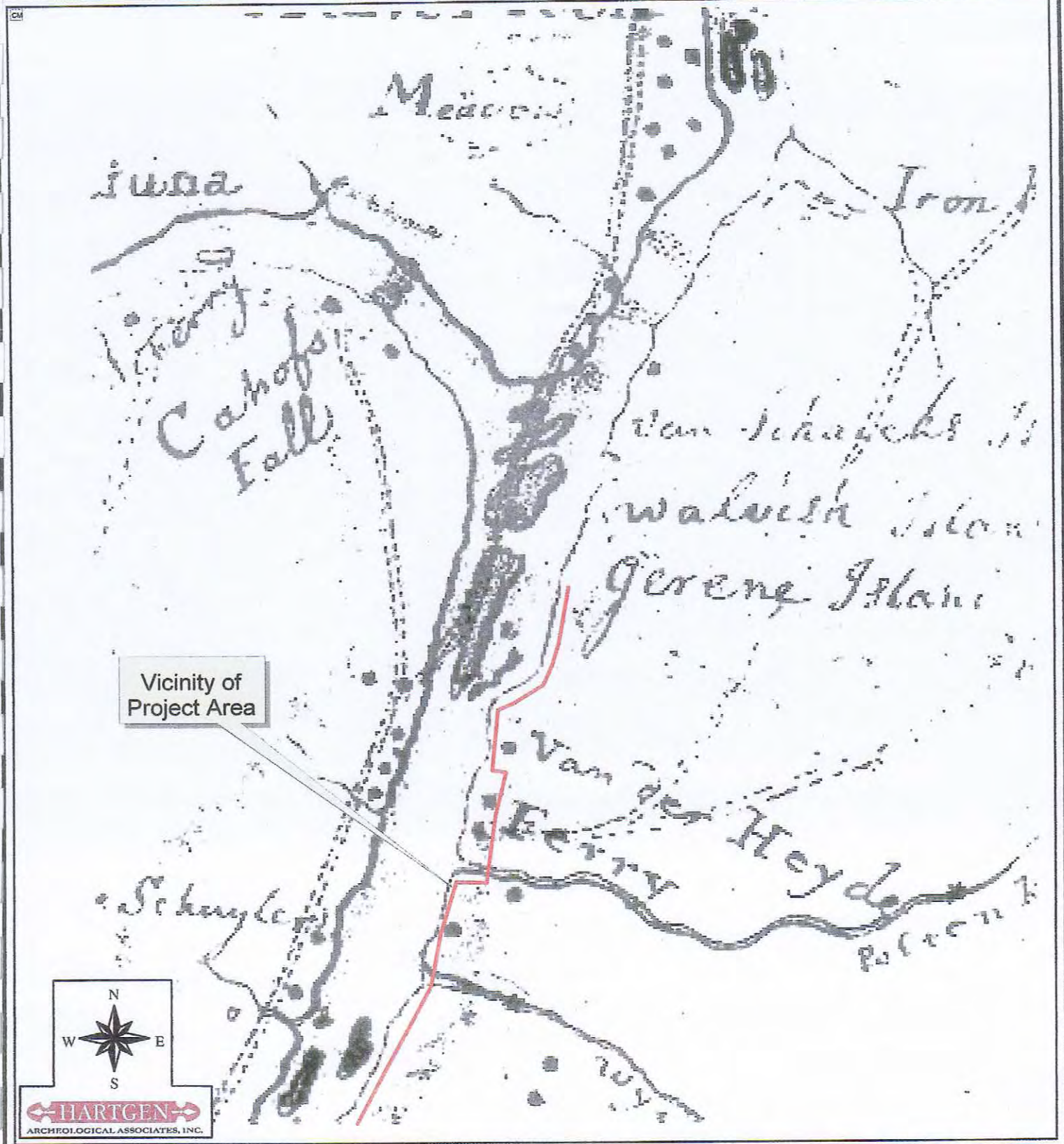


CM

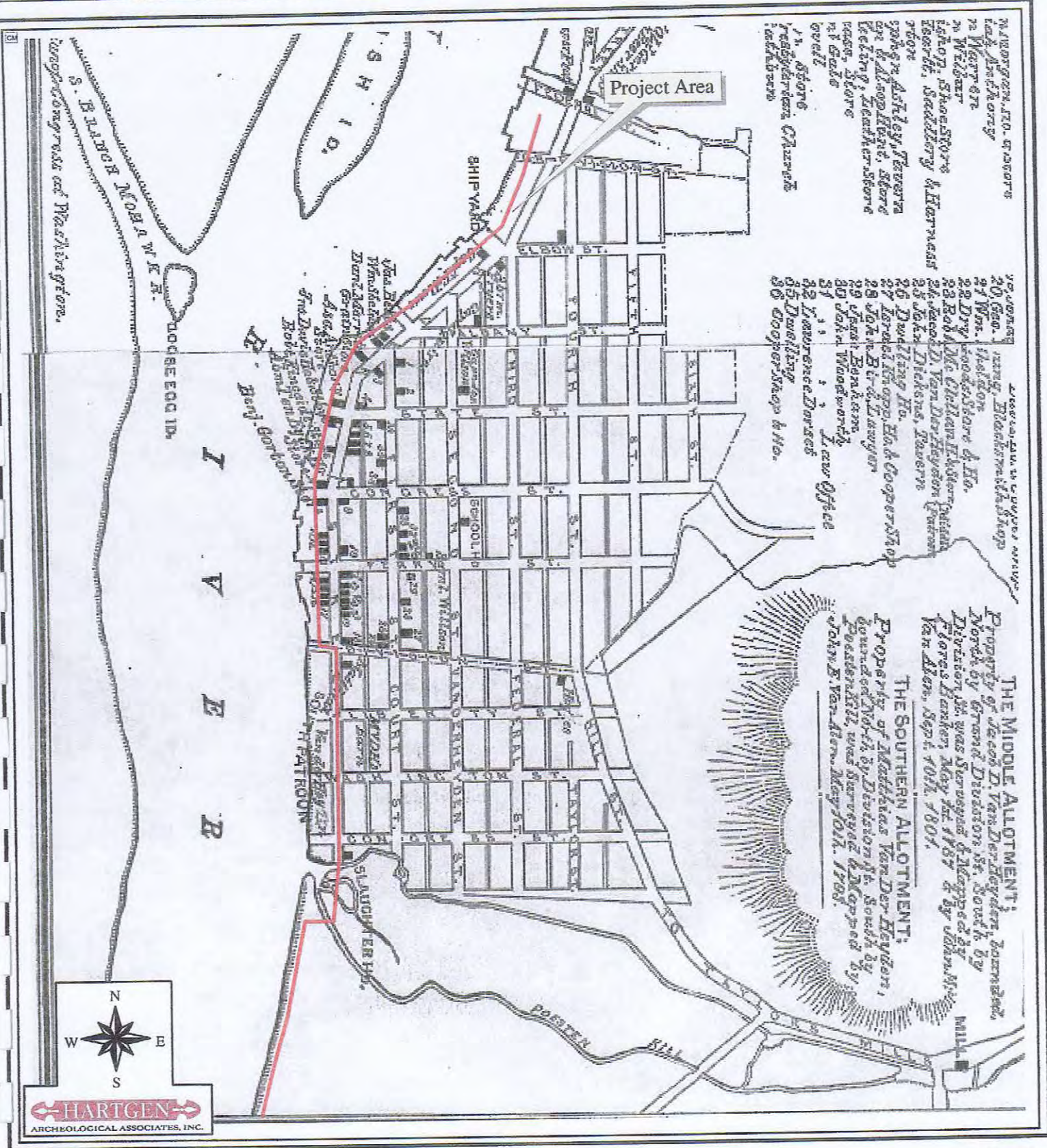
**South Troy Riverfront
Bike Trail
Project Map with
Photo Angles**



Map 2f



Map 3
c. 1756 British Museum *Map of the County of Albany*

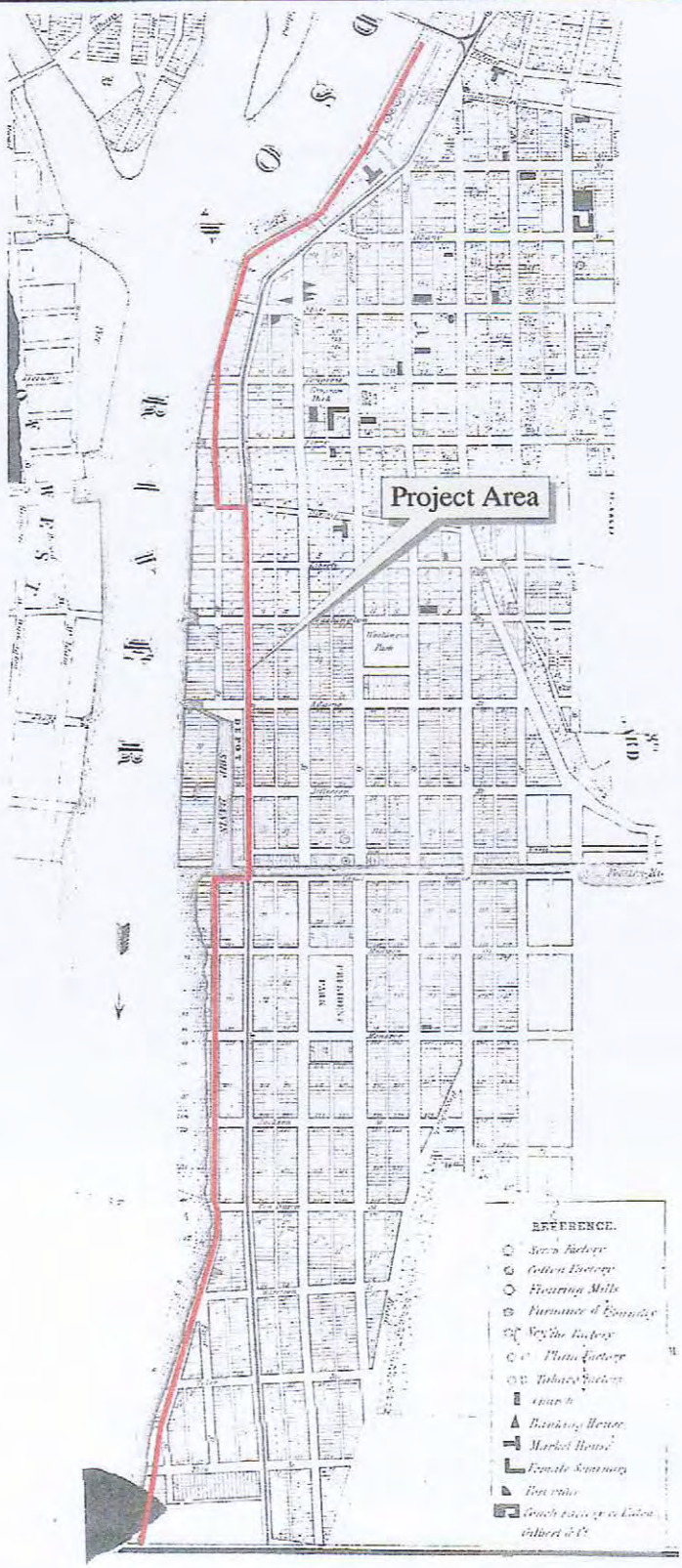


Map 4
 1791 Danforth Map of Dwellings & Stores, in Troy 1791



Map 5

1818 Klien Map of the City of Troy from Actual Survey



Project Area

- REFERENCE.
- Saw's Factory
 - Cotton Factory
 - Flouring Mills
 - Furnace & Foundry
 - Woollen Factory
 - Paper Factory
 - Tobacco Factory
 - Warehouse
 - ▲ Banking House
 - ⊥ Market House
 - ⊥ Private Storehouse
 - ▲ Tea Store
 - ⊥ Goods Store or a Kitchen
 - ⊥ (about 1840)



Map 6

1845 Beers Troy, N.Y. from Actual Survey By S.A. Beers



Wynants Kill

Project Area

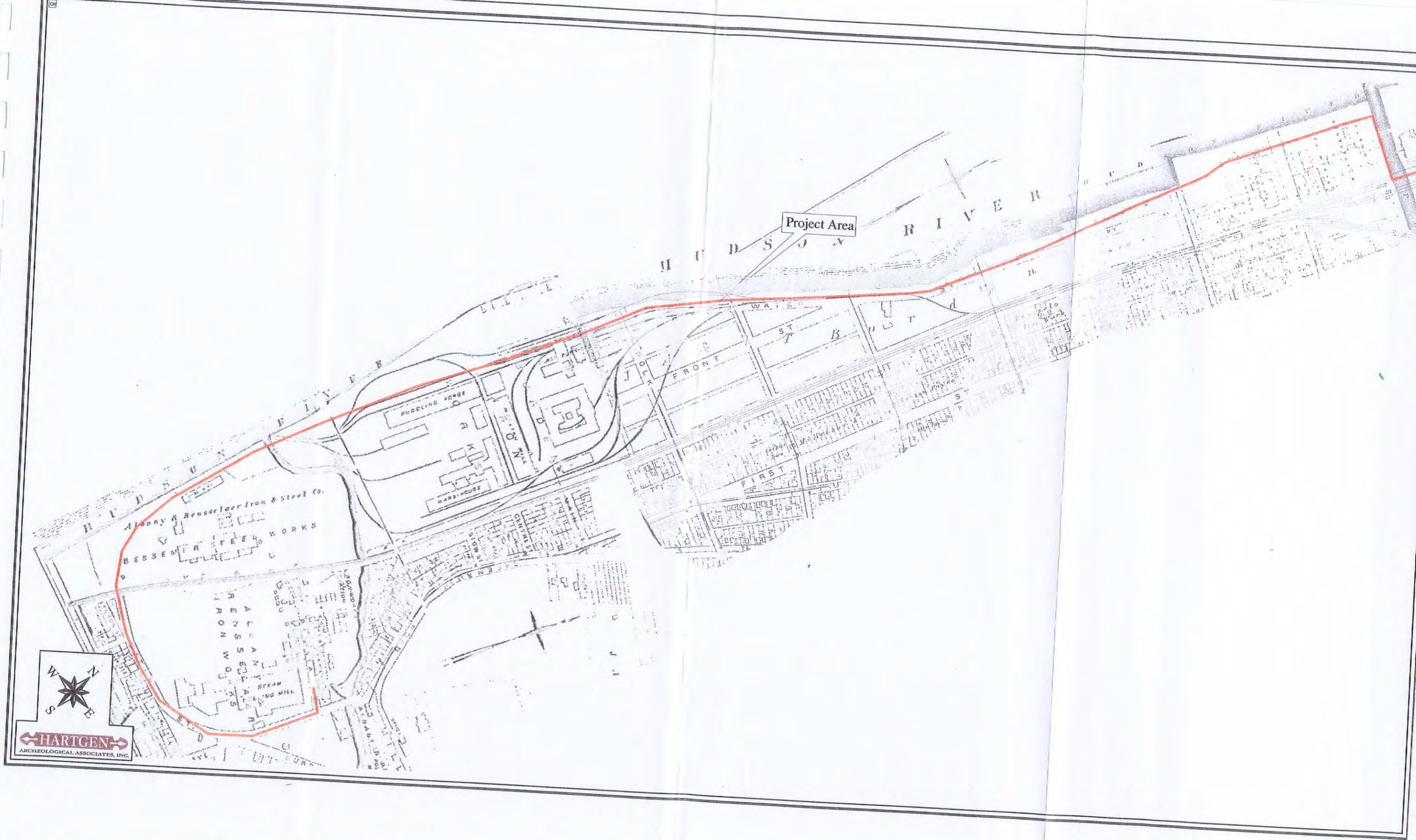
Poesten Kill

River Street

Congress Street



HARTGEN
ARCHEOLOGICAL ASSOCIATES, INC.



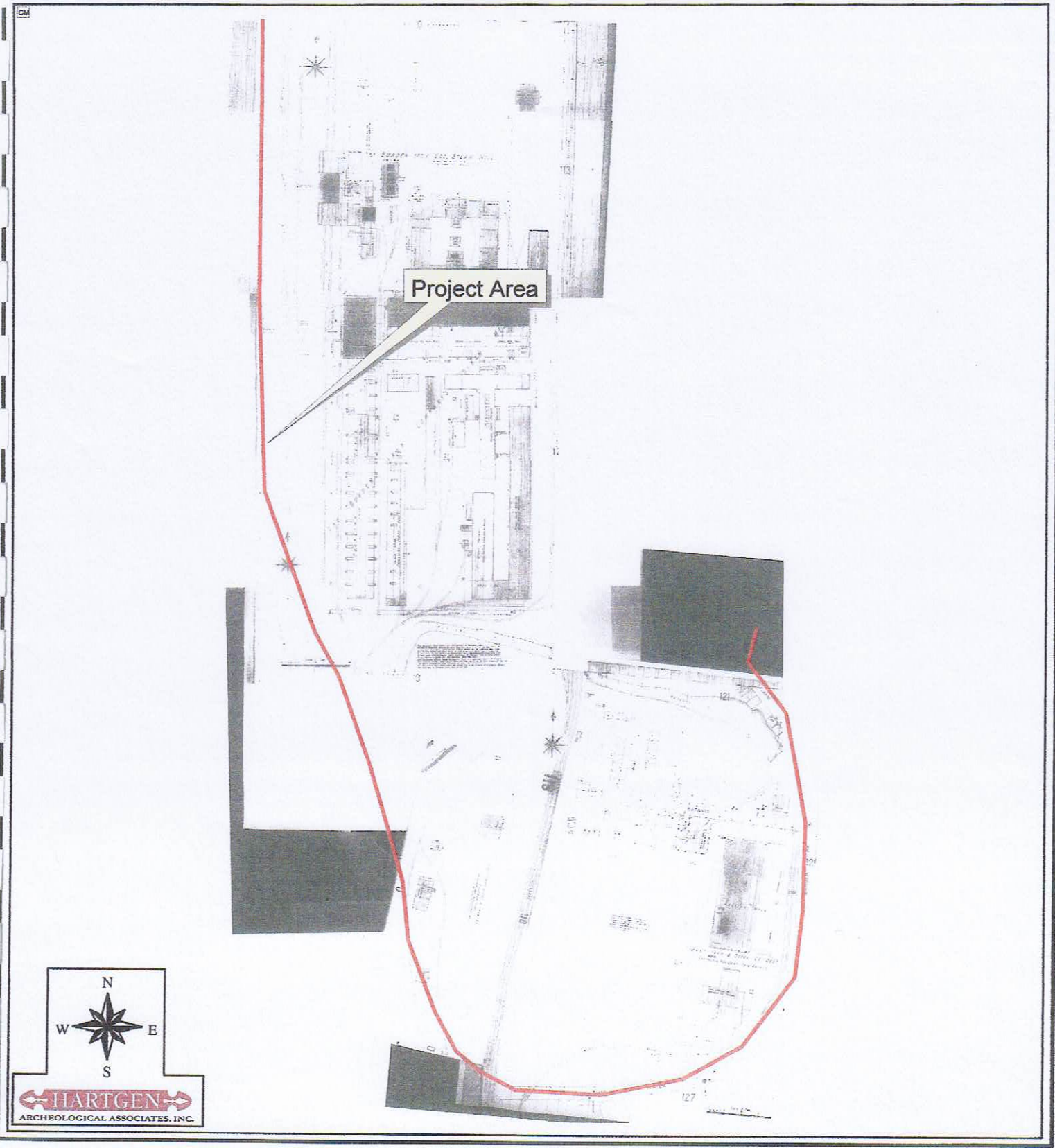


Project Area



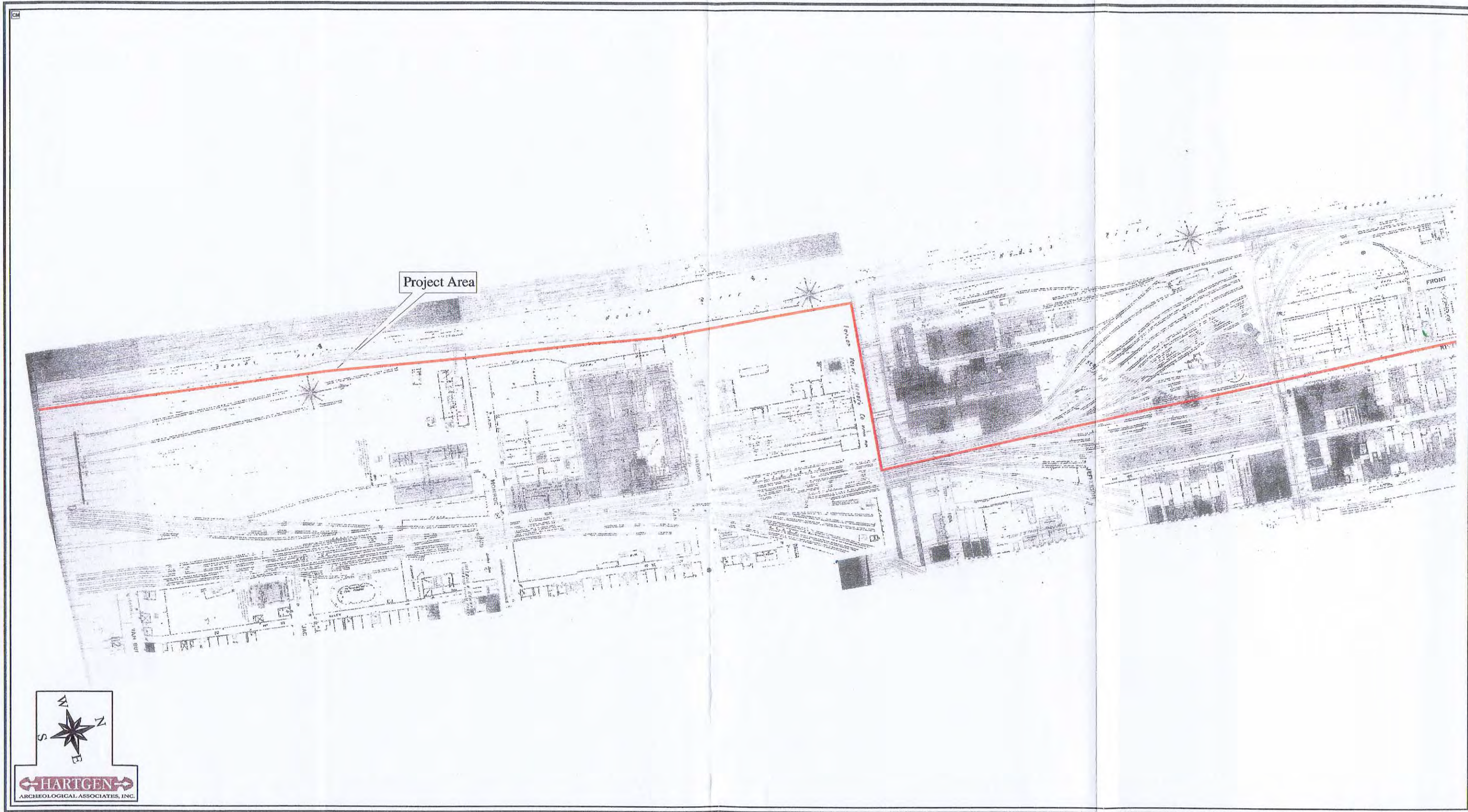


Map 9
1891 Beers Atlas of the Hudson River Valley from New York City to Troy

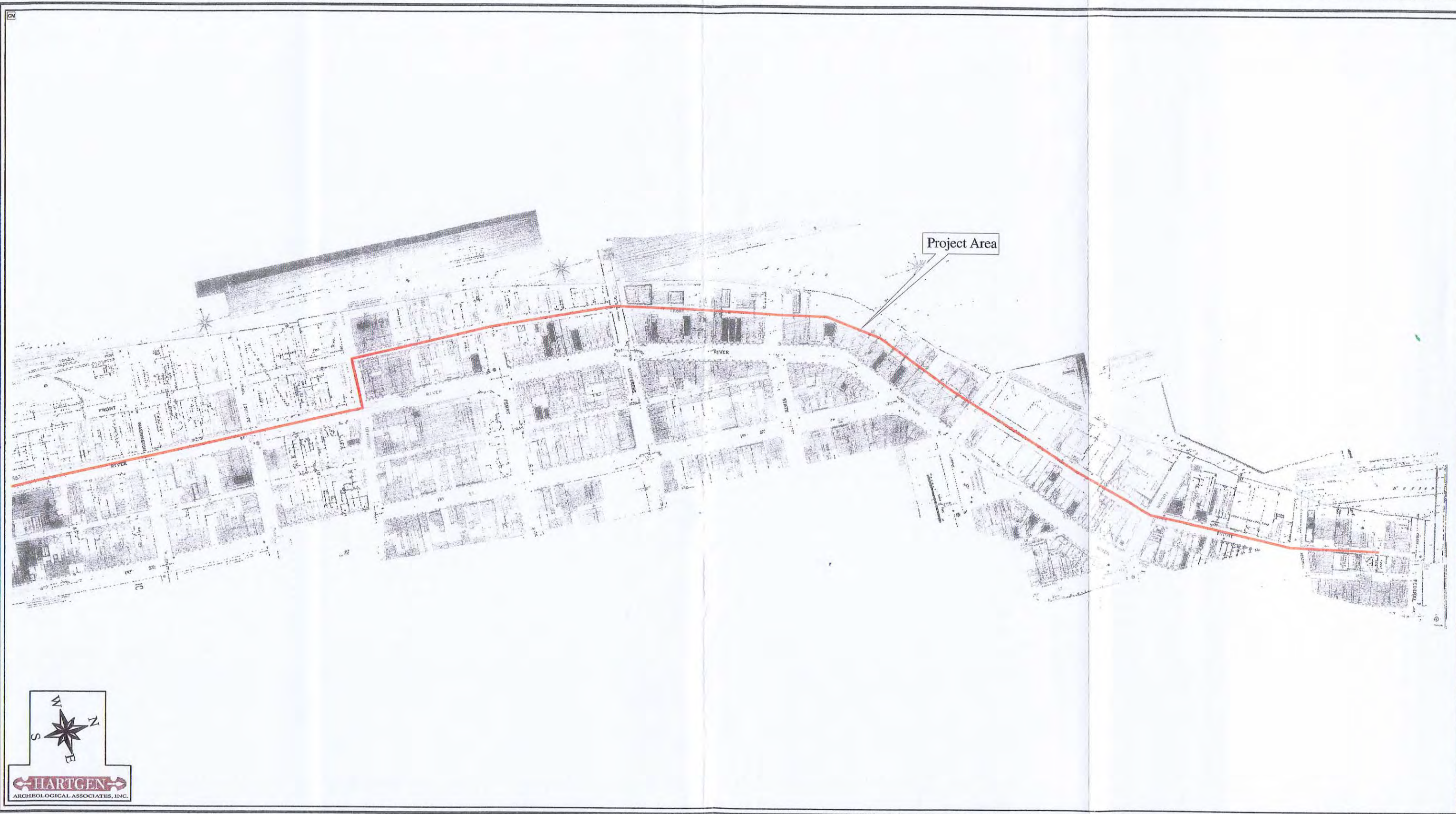


Map 10a

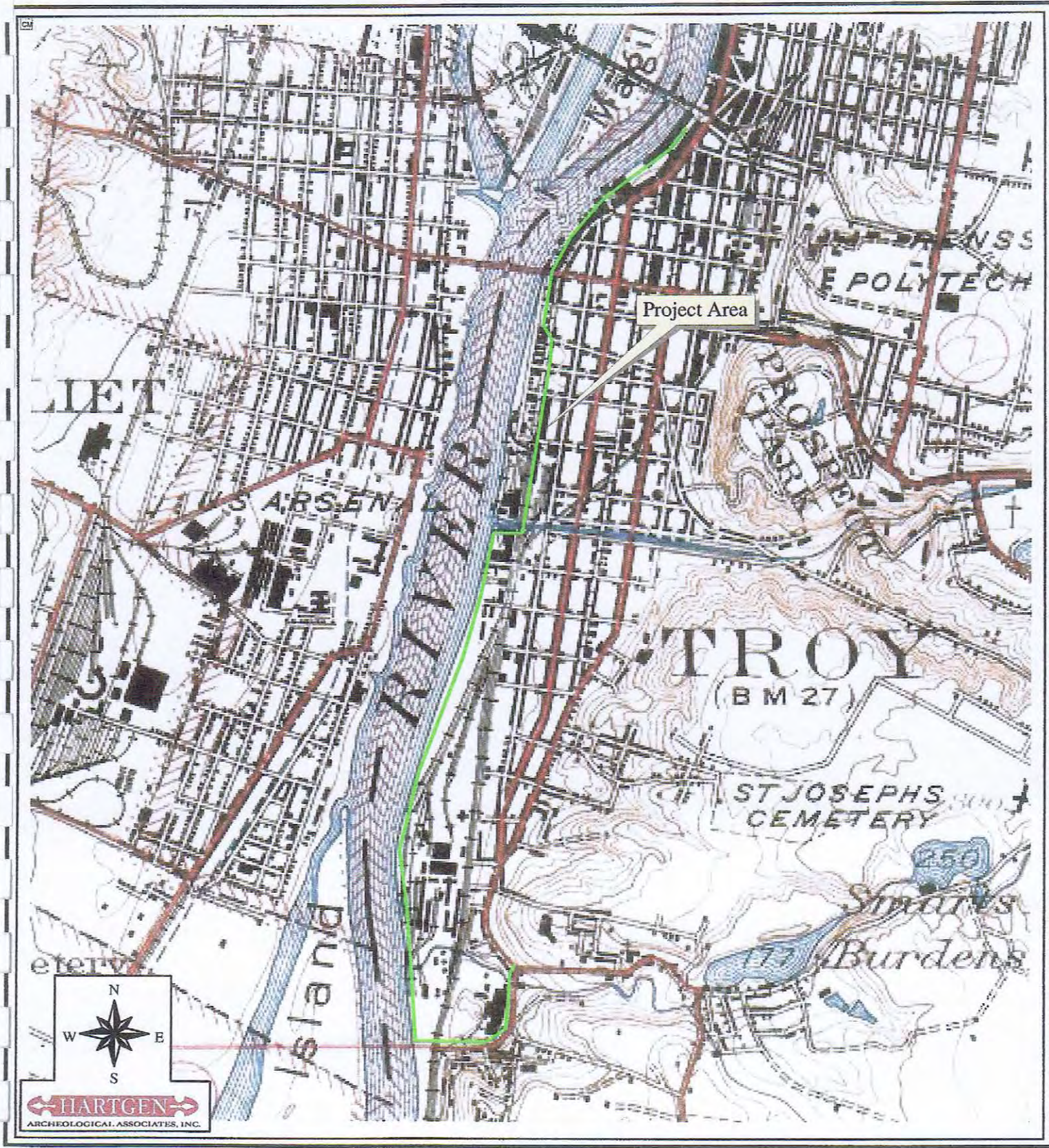
1903/1904 Sanborn Troy, N.Y., Volume 1, Sheets 1 and 3



1903/1904 Sanborn Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119, and 120 Map 10b



Map 10c
1903/1904 Sanborn Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119, and 120



Map 11
1928 USGS Troy Quadrangle, New York



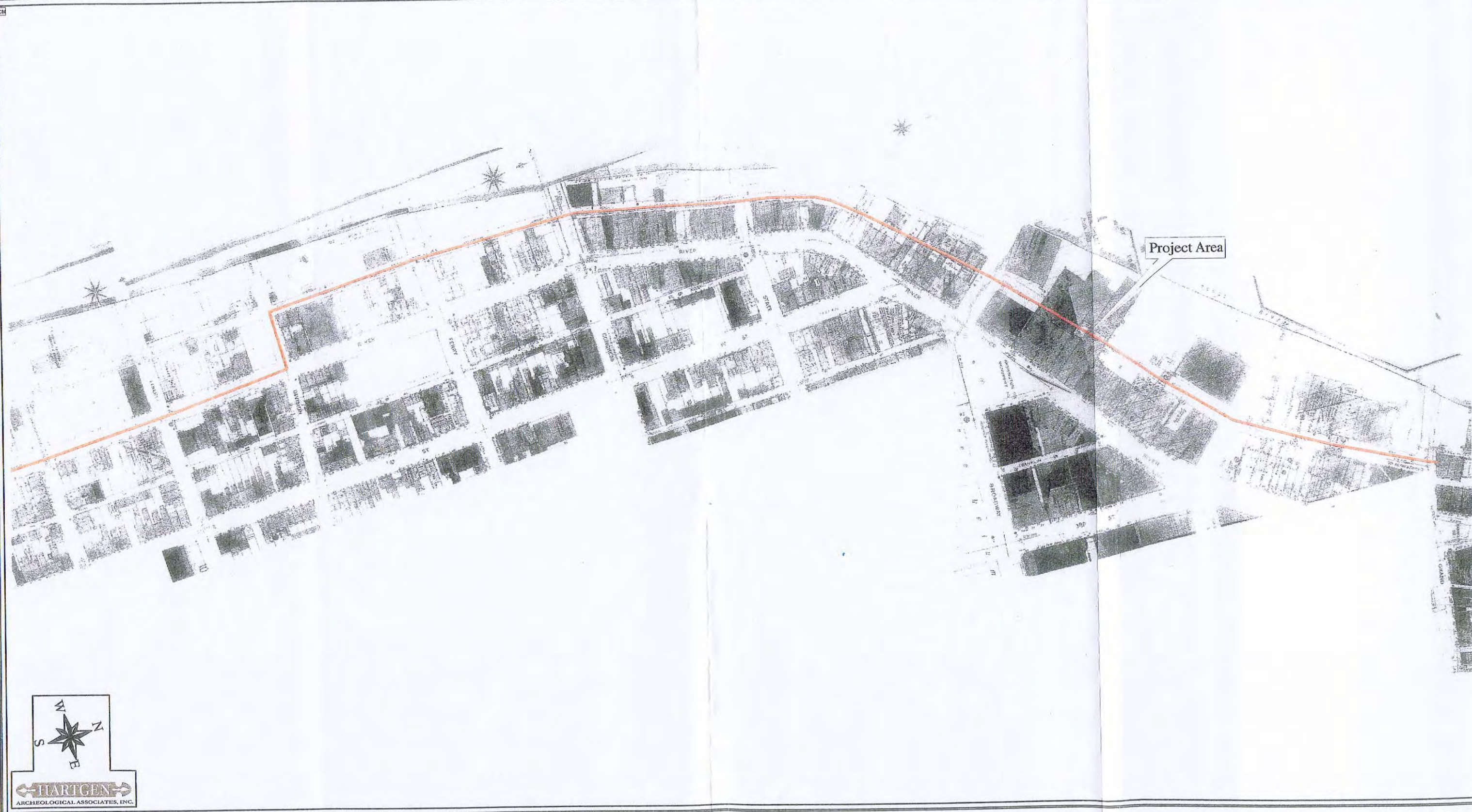
Map 12a

1951 Sanborn Troy, N.Y., Volume 1, Sheets 1



Project Area





1951 Sanborn Troy, N.Y., Volume 2, Sheets 91, 95, 99, 101, 105, 109, 118, 119, 120, and 173 Map 12

PHOTOGRAPHS



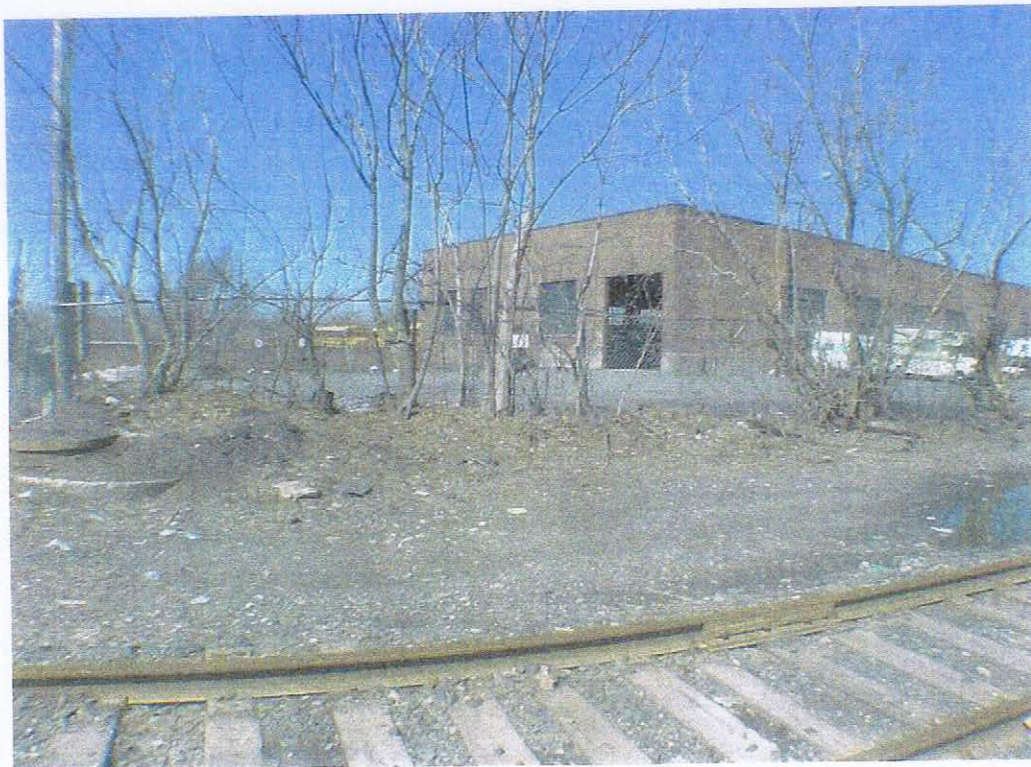
1. View south near the southern terminus of the project area. The trail will be placed along the left side of the road here.



2. View south near the southern terminus of the project area. The trail will be placed along the left side of the road here.



3. View east. The trail will extend beneath the right side of the bridge.



4. View west. The trail will cross the railroad tracks and extend in to the currently fenced-in property.



5. View south. The poured concrete silos in the foreground and a cinder block workshop/garage beyond the silos will be demolished for the project.



6. View northwest of the brick pumping station.



7. View north, the Rensselaer County Jail is in the background.



8. View east of the brick subsurface feature encountered.



9. View north. The trail will straight continue along the top of the embankment here.



10. View south. The trail to the Burden Iron Works Office Building will extend along the east side of the South Troy Industrial Road here.



11. View northeast of the trail north of the Rensselaer County Jail. The piles of gray material on the left consist of slag. These piles will be leveled for the construction of the trail.



12. View north of a cut in the river embankment. What initially looks like bedrock is actually slag fill.



13. View south of the project area from the top of a large pile of slag.



14. View north from the top of the same pile of slag, looking into the Troy Slag Products property.



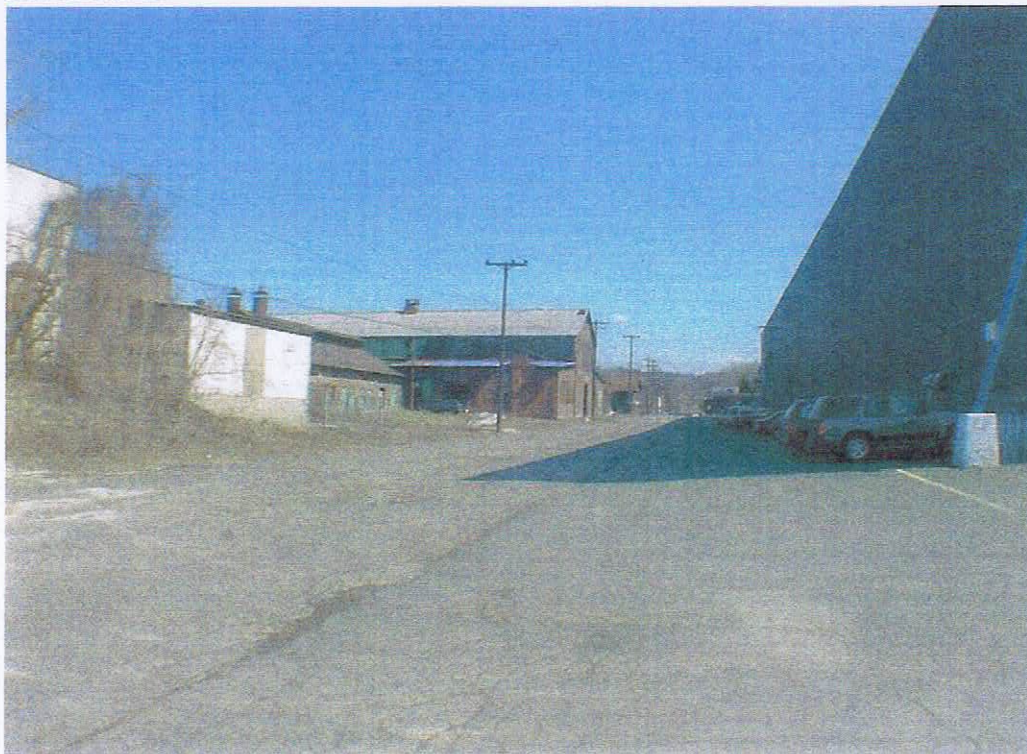
15. View south from the Bruno Machinery property. The trail will extend along the top of the embankment.



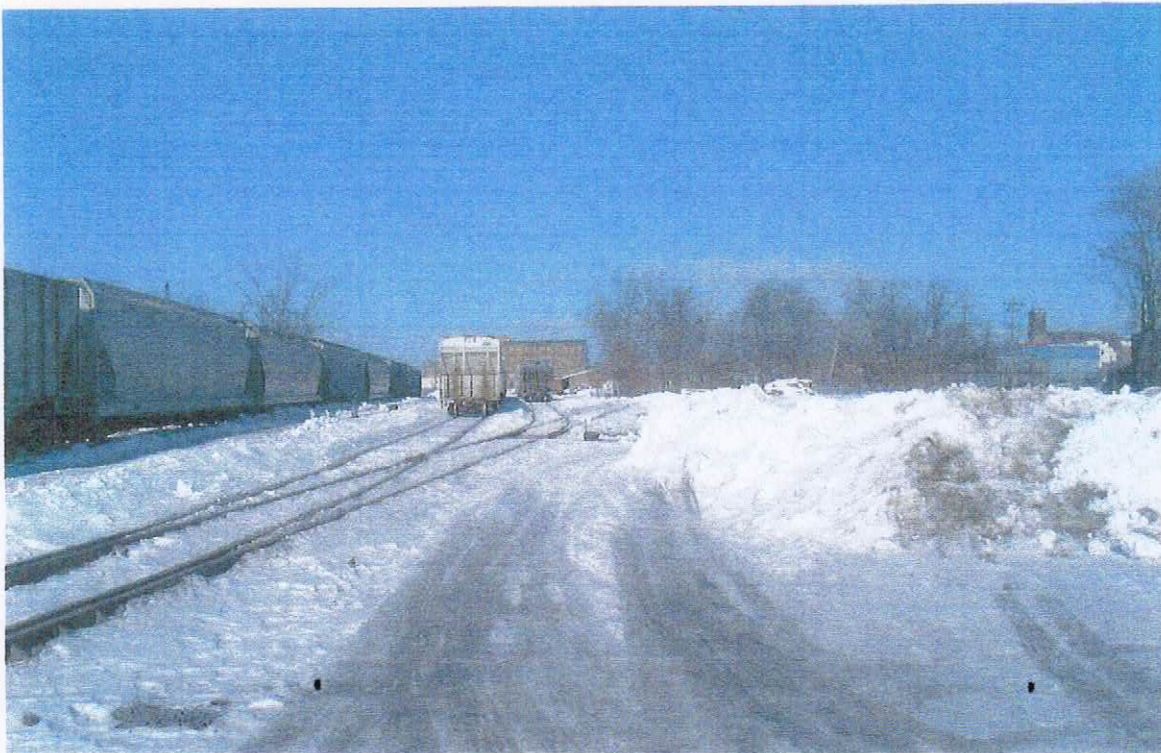
16. View north into the Scotlite International property. The fence and piles of debris will be removed for the trail.



17. View north of the trail after crossing over the Poesten Kill and extending towards River Street.



18. View east of Alternate Routes C and D.



19. View northeast of the path the trail would take into the rail yard.



20. View south on River Street. The trail will be along the right side of the road here.



21. View north on River Street. The trail would extend along the left side of the road.



22. View north of the trail along Front Street.



23. View southwest. The trail will be located along the grassy area.



24. View northeast. The existing sidewalk will be widened.



25. View southwest into Riverfront Park from the northern terminus of the proposed trail. The portion of sidewalk in the foreground will be widened.



26. View northeast of the northern terminus of the trail and Fresno's Restaurant. The sidewalk will be widened and extended eastward to River Street



U.S. Environmental Protection Agency Envirofacts Data Warehouse

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) EF Search: **GO**

[EPA Home](#) > [Envirofacts](#) > [Multisystem](#) > Query Results



Query Results

Report an Error

Envirofacts

Location Address: industrial

City Name: troy

State Abbreviation: ny

LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

To see a report on a facility click on the underlined Facility Name. Click on the underlined "View Facility Information" link to view EPA Facility information for the facility.

[Go To Bottom Of The Page](#)

FACILITY NAME/ADDRESS	FACILITY INFORMATION	Permitted Discharges to Water?	Toxic Releases Reported?	Hazardous Waste Handler?	Active or Archived Superfund Report?	Air Releases Reported?	BRS Reporter?
REGAL ART PRESS OF TROY INC INDUSTRIAL PARK RD TROY, NY 12180	View Facility Information	NO	NO	YES	NO	NO	NO

[Go To Top Of The Page](#)

Total Number of Facilities Displayed: 1

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, October 30th, 2003
http://oaspub.epa.gov/enviro/fii_master.fii_retrieve



U.S. Environmental Protection Agency Envirofacts Data Warehouse

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) EF Search: **GO**

[EPA Home](#) > [Envirofacts](#) > [Multisystem](#) > Report



Envirofacts

MultiSystem Report

Report an Error

**REGAL ART PRESS OF TROY INC
INDUSTRIAL PARK RD
TROY, NY 12180**

Map this facility

EPA Facility Information

This query was executed on OCT-30-2003

RCRAInfo

HANDLER ID: NYD002066124

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
323110	Commercial Lithographic Printing

HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE
Not in a universe

No Process Information is available for the facility listed above.

Additional Information can be obtained from Resource Conservation and Recovery Information Query.

RCRAInfo

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, October 30th, 2003
http://oaspub.epa.gov/enviro/multisys2.get_list

Facility Name	Location Address	Business Address	City Name	State	County Name	ZIP Postal Code	EPA Region	Congressional District Number	Legislative District Number	HUC Code	Federal Facility	Level Code	Latitude	Longitude	Method	Reference Point Description	Environmental System ID
LEGAL ART PRESS OF TROY INC	INDUSTRIAL PARK RD		TROY	NY	RENSSELAER	12180	02	21	NY	0202005	NO	42 7037E	-73 878W	ADDRESS MATCHING HOUSE NUMBER	PLANT ENTRANCE (GENERAL)		

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date
RCRAINFO	NY00000123	NOT IN A UNIVERSE	IMPLEMENTER	07/08/2003
LES	1100000101	FACILITY	FPS	

Facility Mailing Addresses



U.S. Environmental Protection Agency Facility Registry System (FRS)

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) EF Search: **GO**

[EPA Home](#) > [Envirofacts](#) > [FRS](#) > [Report](#)



Facility Detail Report



FRS

Facility Name:	REGAL ART PRESS OF TROY INC
Location Address:	INDUSTRIAL PARK RD
Supplemental Address:	
City Name:	TROY
State	NY
County Name:	RENSSELAER
ZIP/Postal Code:	12180
EPA Region:	02
Congressional District Number:	21
Legislative District Number:	NY
HUC Code:	02020006
Federal Facility:	
Tribal Land :	NO
Latitude:	42.70376
Longitude:	-73.67594
Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point Description:	PLANT ENTRANCE (GENERAL)
Supplemental Environmental Interests:	

Report Facility Discrepancy

Map this facility

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date
FRS	110007997551	FACILITY	FRS	
RCRAINFO	NYD002066124	NOT IN A UNIVERSE	IMPLEMENTER	07/08/1999

Facility Mailing Addresses

<u>Affiliation Type</u>	<u>Delivery Point</u>	<u>City Name</u>	<u>State</u>	<u>Postal Code</u>	<u>Information System</u>
FACILITY MAILING ADDRESS	INDUSTRIAL PARK RD	TROY	NY	12180	RCRAINFO

NAICS Codes

No NAICS Codes returned.

SIC Codes

No SIC Codes returned.

Contacts

No Contacts returned.

Organizations

No Organizations returned.

Alternative Names

No Alternative Names returned.

Query executed on: OCT-30-2003

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, October 30th, 2003



U.S. Environmental Protection Agency Locational Reference Tables (LRT)

Recent Additions | Contact Us | Print Version | EF Search: **GO**

[EPA Home](#) > [Envirofacts](#) > [LRT](#) > Location Information

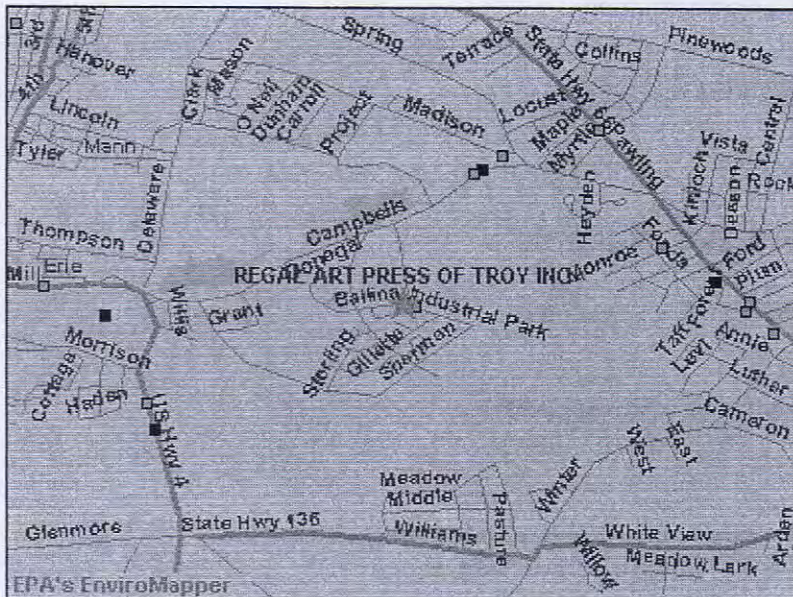


Facility Location Information



**REGAL ART PRESS OF TROY INC
INDUSTRIAL PARK RD
TROY NY 12180**

Latitude: 42.70376 Longitude: -73.67594



LEGEND

- ☆ Facility location
 - Discharges to water
 - Superfund sites
 - Hazardous waste
 - Toxic releases
 - Air releases
 - BRS
 - Multiple
 - ~ Streets
 - Water Bodies
 - Counties
- *Color of ☆ denotes type of facility.

The latitude and longitude coordinates above come from the Envirofacts Locational Reference Tables (LRT). The method used to derive the Most Accurate Coordinates was ADDRESS MATCHING-HOUSE NUMBER. These coordinates correspond to PLANT ENTRANCE (GENERAL) and represent the best location for the facility. The coordinates were obtained from REGION 2.

Query executed on OCT-30-2003

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, October 30th, 2003
http://oaspub.epa.gov/enviro/lrt_viewer.map_page

Region II State contact for information requests regarding Underground Storage Tanks

Morris Leno
New York State Department of Environmental Conservation
11th Floor
625 Broadway
Albany, NY 12233-7020

Tel #(518) 457-4351

Kevin Kratina, Chief
Bureau of Southern Case Management
New Jersey Department of Environmental Protection
P.O. Box 028
401 East State Street
Trenton, NJ 08625-0028

Tel #(609) 292-8761

Water Quality Control
Environmental Quality Board
Commonwealth of Puerto Rico
P.O. Box 11488
Santurce, PR 00910

Tel #(809) 725-8410

St. Croix
Hollis Griffin, Director
Division of Environmental Protection
Department of Planning and Natural Resources
1118 Watergut
Christiansted, VI 00820-5065 and

St. Thomas
Mr. Leonard Reed, Assistant Director
Division of Environmental Protection
Department of Planning and Natural Resources
Nisky Center 231
45A Estate Nisky
Charlotte Amalie
St. Thomas, VI 00801

Telephone # (340) 774-3320

: NJ Revised 7/16/03

Environmental Protection Agency Internet

Internet - Region 2

EPA Region 2 provides an increasing amount of Environmental media information, and other Regional Activities via Internet at <http://www.epa.gov>. Recently, Region 2 has provided a Freedom of Information Act (FOIA) specific page <http://www.epa.gov/region2/foia.htm> which covers many media programs, currently focusing on RCRA data. Through this FOIA page, you can learn about each media Program, associated databases, and special points of interest. Of particular interest is the ability to "directly download" all of the most commonly requested Region 2 ASCII and Flat File RCRA FOIA reports - all compressed for quicker downloading.

Also found on the FOIA site are direct links to the **Envirofacts** and **RTK Net** public access databases. Both house Environmental media data from EPA National Databases, and are specifically designed for public use. Both have on-line query capabilities for facility specific information.

More specific FOIA requests will be honored by directly writing to Region 2, and more specific questions regarding the RCRA Program should be directed to the RCRA Hotline at 1-800-424-9346.

Internet - HQ

EPA HQ provides BRS data cycle instructions, and the data for all completed BRS data cycles at <http://www.epa.gov/epaoswer/hazwaste/data>.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

11

NOV 04 2003

RECEIVED
NOV 6 7 2003

Re: Freedom of Information Act Request No.(s): (2)RIN- 0161-04

Subject: South Troy Riverfront Bikeway/Walkway Troy, NY

Dear FOIA Requester:

You have requested information on specific properties and in some cases, properties "nearby" or "in the vicinity" of these properties. However, the locational information provided in your request was not specific enough for EPA to determine the specific properties in which you are interested. EPA does not track facilities by Block and Lot number and the information provided on a tax map is not sufficient for us to make a determination. Also we cannot determine what you consider is "nearby" or "in the vicinity of". Accordingly, we are providing a list of all facilities on CERCLIS or archived from CERCLIS, within the municipality or county that you have identified. Archived sites are sites which have been assessed and that no further remedial action (NFRAP) is planned for these sites under the Federal Superfund Program. However individual states may require further action at "archived" sites so you may wish to contact the state environmental agency.

In the interest of saving time and paper, I suggest that in the future you identify the specific properties you have an interest in by accessing the following web sites. The information available on these web sites should address any further inquiries you may have.

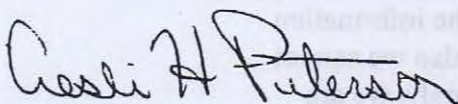
This is the address for the Superfund Information Systems homepage - <http://www.epa.gov/superfund/sites>. From this site you may obtain a list of all sites which are currently on the CERCLIS database and sites archived from CERCLIS. Additionally, you can access the RODS database from here as well as download reports or order on line a variety of site information products. Records of Decision (RODs) are the documents EPA uses to formalize site clean up decisions.

This is the site for the National Response Center maintained by the U.S. Coast Guard-
<http://www.nrc.uscg.mil>. From this site you can access information regarding spills which
have occurred from 1990 to the present.

This is the site for the National Technical Information Service maintained by the U.S.
Department of Commerce - **<http://ntis.gov>**. From this site you can order subscription
datafiles on CD-ROMs and diskettes which allow you to run your own CERCLIS reports.

If your request includes non-Superfund (non-CERCLA) inquiries, copies of your letter have
been sent to other EPA Region 2 Program Offices for separate response.

Sincerely,



Leslie H. Peterson, Chief

Resource Management/Cost Recovery Section
Emergency and Remedial Response Division

Site ID	Site Name	EPA ID	Address1	City	State	County	Zip	NPL Status	Fed Fac
02781	GEIER & BLUHM, INC.	NYD002073054	594 RIVER STREET	TROY	NY	RENSSELAER	12180	N	N
2183	NIAGARA MOHAWK /GAS OPERA	NYD980664379	SMITH AVE	TROY	NY	RENSSELAER	12181	N	N
185	NIAGARA MOHAWK /GAS REG ST	NYD980664395	WATER ST	TROY	NY	RENSSELAER	12181	N	N
361	PORTEC INC /RAILWAY PROD DI	NYD002076917	BURDEN AVE	TROY	NY	RENSSELAER	12180	N	N
2013	REPUBLIC STEEL CORP /TROY V	NYD980532444	MAIN ST	TROY	NY	RENSSELAER	12180	N	N
1683	TROY SANITARY LF	NYD980291298	IND PARK RD	TROY	NY	RENSSELAER	12180	N	N

RECEIVED

November 30, 2009

Mr. Robert G. Gaudin
 117 West Church Street
 Troy, New York 12180-8122

Re: Freedom of Information Request No. (2) NY-00141-09
 Date: October 28, 2009
 Subject: South Troy Wastewater in Troy, NY

Dear Mr. Gaudin:

Your request to the United States Environmental Protection Agency (EPA) for information has been referred to this office for a response. We have searched our database as requested and located your request concerning information from other programs within the Regional Office.

The records did not meet any of the criteria that are responsive to your request. It may also be possible to you to contact the State Department of Environmental Conservation, 625 Broadway Albany, New York 12242 or access their website at <http://www.dec.state.ny.us> for additional information.

If you wish to file a lawsuit, you may wish to file a lawsuit with the State of New York. The Department of Environmental Conservation, Room 3112, 1200 Pennsylvania Avenue, NW, Washington, DC 20004.

Please be advised that you can request the information provided in a format including electronic format. If you have any questions regarding the information requested, please contact the Regional Office at the address above.

Please contact the Regional Office at the address above regarding this request.

Sincerely,

 Compliance Assistance and Program Support Branch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

5

RECEIVED
OCT 15 2003

November 20, 2003

Ms. Melanie Osterhout
Erdman Anthony
317 Brick Church Road
Troy, New York 12180-8112

Re: Freedom of Information Request No. (2) RIN-00161-04
Dated: **October 20, 2003**
Subject: **South Troy Riverfront in Troy, NY**

Dear Ms. Osterhout:

Your request to the United States Environmental Protection Agency Region II Office for information has been referred to this office for a response. We have searched our databases as appropriate to your request. You may receive information from other program areas within this Regional Office.

Our research did not reveal any air or water information that was responsive to your request. It may also be beneficial to you to contact New York State Department of Environmental Conservation, 625 Broadway, Albany, New York 12233 or access their website at <http://www.dec.state.ny.us/index.html> for additional information.

If you consider this to be a denial, you may appeal it by addressing your written appeal to the EPA Freedom of Information Act Officer (Mail Code 2282T), Ariel Rios Building, Room 2315, 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460.

Please be advised that now you can retrieve the environmental profile of a facility, including information regarding toxic chemical releases, water permit, hazardous waste handling processes, Superfund status, and air emissions from the EPA's web page. The address is <http://www.epa.gov/enviro>.

Please include the above referenced request number on any inquiries regarding this response.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Patrick J Harvey".

Patrick J Harvey, Chief
Compliance Assistance and Program Support Branch