

Brownfield Cleanup Program Application

*West End Development Site
Jamestown, NY*

June 2007

0092-006-100

Prepared For:



The Krog Corp.

4 Centre Drive Orchard Park , New York 14127
716-667-1234 Fax. 667-1258

Contractors

Engineers

Developers



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION



BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

7/06

DEPARTMENT USE ONLY
BCP SITE #: _____

Section I. Requestor Information

NAME

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

NAME OF REQUESTOR'S REPRESENTATIVE

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

NAME OF REQUESTOR'S CONSULTANT

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

NAME OF REQUESTOR'S ATTORNEY

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL § 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

PARTICIPANT

A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

VOLUNTEER

A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

Requestor Relationship to Property (check one):

Previous Owner

Current Owner

Potential /Future Purchaser

Other _____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project.

Yes

No

(Note: proof of site access must be submitted for non-owners)

Section II. Property Information Summary Sheet

PROPERTY NAME:

ADDRESS/LOCATION

CITY/TOWN

ZIP CODE

MUNICIPALITY(IF MORE THAN ONE, LIST ALL):

COUNTY

SITE SIZE (ACRES)

LATITUDE (degrees/minutes/seconds)

LONGITUDE (degrees/minutes/seconds)

HORIZONTAL COLLECTION METHOD: SURVEY GPS MAP

HORIZONTAL REFERENCE DATUM:

FOR EACH PARCEL, FILL OUT THE FOLLOWING TAX MAP INFORMATION (if more than three parcels, attach additional information)

Parcel Address

Parcel No.

Section No.

Block No.

Lot No.

Acreage

1. Do the property boundaries correspond to tax map metes and bounds?

Yes No

If no, please attach a metes and bounds description of the property.

2. Is the required property map attached to the application? (application will not be processed without map)

Yes No

3. Is the property part of a designated En-zone pursuant to Tax Law § 21(b)(6)?

Yes No

For more information go to: http://www.nylovesbiz.com/BrownField_Redevelopment/default.asp.

If yes, identify area (name) _____

50% 100% of the site is in the En-zone (check one)

PROPERTY DESCRIPTION NARRATIVE:

List of Existing Easements (type here or attach information)

Easement Holder

Description

List of Permits issued by the NYSDEC or USEPA Relating to the Proposed Site (type here or attach information)

Type

Issuing Agency

Description

Initials of each Requestor: _____

Section III. Current Site Owner/Operator Information

OWNER'S NAME (if different from requestor)

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

OPERATOR'S NAME (if different from requestor or owner)

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

Section IV. Requestor Eligibility Information (Please refer to ECL § 27-1407)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

- | | | |
|--|-----|----|
| 1. Are any enforcement actions pending against the requestor regarding this site? | Yes | No |
| 2. Is the requestor subject to an existing order relating to contamination at the site? | Yes | No |
| 3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? | Yes | No |
| 4. Has the requestor been determined to have violated any provision of ECL Article 27? | Yes | No |
| 5. Has the requestor previously been denied entry to the BCP? | Yes | No |
| 6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving contaminants? | Yes | No |
| 7. Has the requestor been convicted of a criminal offense that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration? | Yes | No |
| 8. Has the requestor knowingly falsified or concealed material facts or knowingly submitted or made use of a false statement in a matter before the Department? | Yes | No |
| 9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.8(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? | Yes | No |

Section V. Property Eligibility Information (Please refer to ECL § 27-1405)

- | | | |
|--|-----|----|
| 1. Is the property listed on the National Priorities List? | Yes | No |
| 2. Is the property listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites? If yes, please provide: Site # _____ Class # _____ | Yes | No |
| 3. Is the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? If yes, please provide: Permit type: _____ EPA ID Number: _____ Date permit issued: _____ Permit expiration date: _____ | Yes | No |
| 4. Is the property subject to a cleanup order under navigation law Article 12 or ECL Article 17 Title 10? If yes, please provide: Order # _____ | Yes | No |
| 5. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide explanation as an attachment. | Yes | No |

Section VI. Project Description

Please attach a description of the project which includes the following components:

- Purpose and scope of the project
- Estimated project schedule

Section VII. Property's Environmental History

To the extent that existing information/studies/reports are available to the requestor, please attach the following:

1. Environmental Reports

A phase I environmental site assessment report prepared in accordance with ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), and all environmental reports related to contaminants on or emanating from the site.

If a final investigation report is included, indicate whether it meets the requirements of ECL Article 27-1415(2): Yes No

2. Sampling Data: Indicate known contaminants and the media which are known to have been affected:

| Contaminant Category | Soil | Groundwater | Surface Water | Sediment | Soil Gas |
|----------------------|------|-------------|---------------|----------|----------|
| Petroleum | | | | | |
| Chlorinated Solvents | | | | | |
| Other VOCs | | | | | |
| SVOCs | | | | | |
| Metals | | | | | |
| Pesticides | | | | | |
| PCBs | | | | | |
| Other* | | | | | |

*Please describe: _____

3. Suspected Contaminants: Indicate suspected contaminants and the media which may have been affected:

| Contaminant Category | Soil | Groundwater | Surface Water | Sediment | Soil Gas |
|----------------------|------|-------------|---------------|----------|----------|
| Petroleum | | | | | |
| Chlorinated Solvents | | | | | |
| Other VOCs | | | | | |
| SVOCs | | | | | |
| Metals | | | | | |
| Pesticides | | | | | |
| PCBs | | | | | |
| Other* | | | | | |

*Please describe: _____

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS:

| | | | |
|-------------------------------|-----------------------------|------------------------------|-----------------------------|
| Above Ground Pipeline or Tank | Lagoons or Ponds | Underground Pipeline or Tank | Surface Spill or Discharge |
| Routine Industrial Operations | Dumping or Burial of Wastes | Septic tank/lateral field | Drums or Storage Containers |
| Adjacent Property | Seepage Pit or Dry Well | Foundry Sand | Electroplating |
| Coal Gas Manufacture | Industrial Accident | Unknown | |
| Other: _____ | | | |

5. INDICATE PAST LAND USES:

| | | | | | |
|---|-----------------|--------------------|-------------|----------------|------------|
| Coal Gas Manufacturing | Manufacturing | Agricultural Co-op | Dry Cleaner | Salvage Yard | Bulk Plant |
| Pipeline | Service Station | Landfill | Tannery | Electroplating | Unknown |
| Other: <u>Commercial printing, tire vulcanizing, welding shop</u> | | | | | |

6. Owners

A list of previous owners with names, last known addresses and telephone numbers (describe requestor's relationship, if any, to each previous owner listed. If no relationship, put "none").

7. Operators

A list of previous operators with names, last known addresses and telephone number (describe requestor's relationship, if any, to each previous operator listed. If no relationship, put "none").

Section VIII. Contact List Information

Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and zoning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. The location of a document repository for the project (e.g., local library). In addition, attach a copy of a letter sent to the repository acknowledging that it agrees to act as the document repository for the property.

Section IX. Land Use Factors (Please refer to ECL § 27-1415(3))

Current Use: Residential Commercial Industrial Vacant Recreational (check all that apply)

Intended Use: Unrestricted Residential Commercial Industrial

Please check the appropriate box and provide an explanation as an attachment if appropriate. Provide a copy of the local zoning classifications, comprehensive zoning plan designations, and/or current land use approvals.

Yes No

1. Do current historical and/or recent development patterns support the proposed use? (See #12 below re: discussion of area land uses)

2. Is the proposed use consistent with applicable zoning laws/maps?

3. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, designated Brownfield Opportunity Area plans, other adopted land use plans?

4. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)).

5. Are there any federal or state land use designations relating to this site?

6. Do the population growth patterns and projections support the proposed use?

7. Is the property accessible to existing infrastructure?

8. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?

9. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile?

10. Are there floodplains within ½ mile?

11. Are there any institutional controls currently applicable to the property?

12. Describe on attachment the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas.

13. Describe on attachment the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas.

14. Describe on attachment the geography and geology of the site.

Statement of Certification and Signatures

(By requestor who is an individual)

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am _____ (title) of _____ (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one hard copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD or diskette, must be sent to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020
- **One (1)** hard copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: <http://www.dec.state.ny.us/website/der/index.html>

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ LEAD OFFICE: _____

LIST OF APPLICATION ATTACHMENTS

*NYSDEC Brownfield Cleanup Program Application
West End Development Site
Jamestown, New York*

| Attachment No. | Description |
|----------------|--|
| 1 | Site Description, Location Map and Site Plan |
| 2 | Tax Map, Metes and Bounds Description |
| 3 | Project Description and Schedule |
| 4 | Proposed (Draft) Redevelopment Master Plan Map |
| 5 | Phase I Environmental Site Assessment |
| 6 | Previous Phase II Environmental Site Assessments |
| 7 | Listing of Current and Previous Site Owners |
| 8 | Listing of Current and Previous Site Operators |
| 9 | Contact List Information |
| 10 | Document Repository Confirmation Letter |
| 11 | Environmental Factors and Historic Land Use Considerations |
| 12 | Nearby Land Use Map |
| 13 | Groundwater Vulnerability Assessment |
| 14 | Description of Site Geography/Geology |

ATTACHMENT 01

SITE DESCRIPTION, LOCATION MAP & SITE PLAN

Attachment 01

Site Description

Krog Corporation West End Development Site Brownfield Cleanup Program Application

SITE DESCRIPTION

The subject property (Site) is currently an asphalt covered surface parking lot comprised of seven separate parcels of land totaling approximately 1.5 acres in the Town of Ellicott, City of Jamestown, County of Chautauqua, New York (see Figures 1-1 and 1-2).

The seven parcels, which comprise the West End Development Site, are:

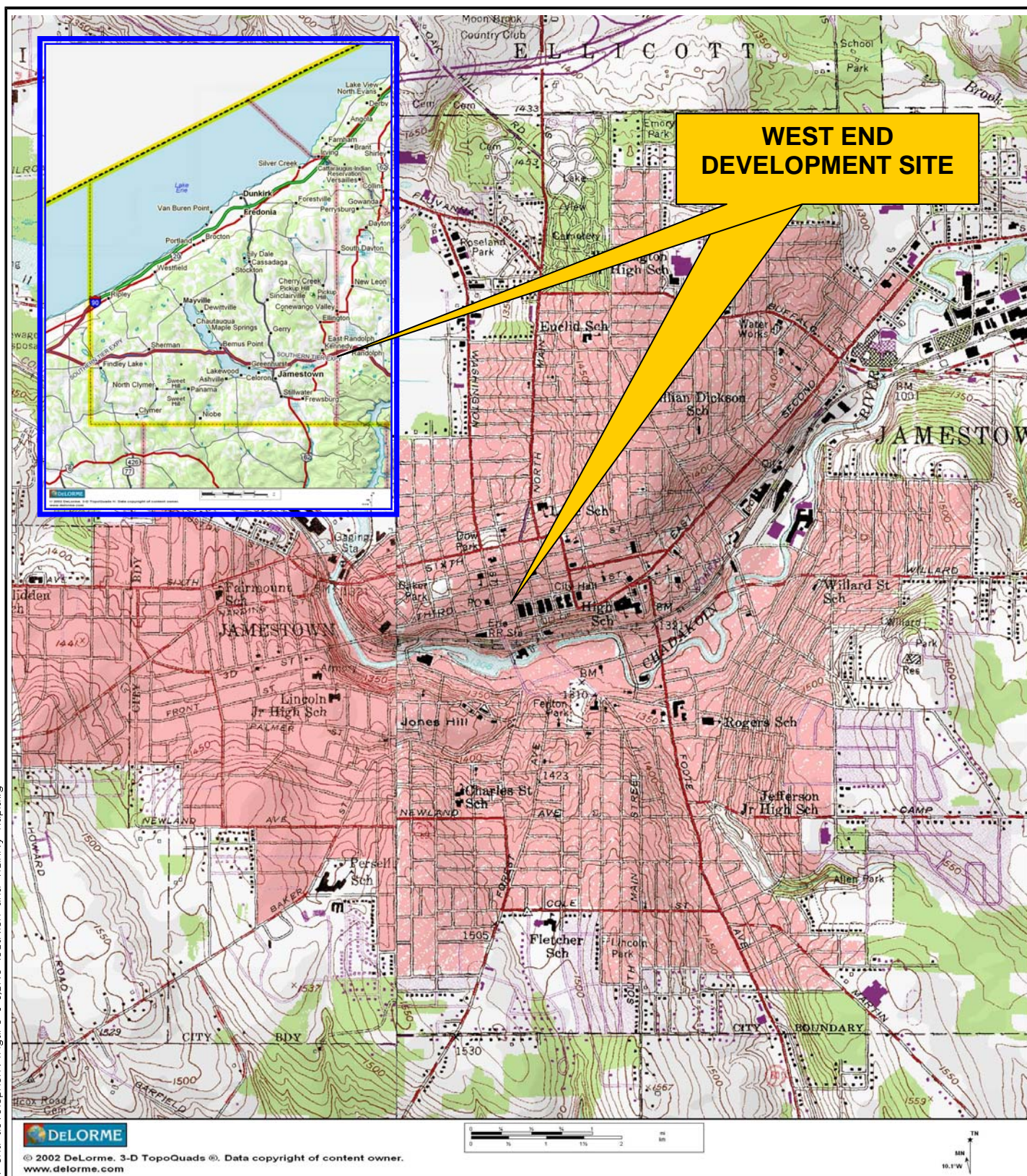
- Lafayette Street, Jamestown, New York (SBL No. 387.40-3-2, approx. 0.05-acres)
- Lafayette Street, Jamestown, New York (SBL No. 387.40-3-3, approx. 0.05-acres)
- 223 W 3rd Street, Jamestown, New York (SBL No. 387.40-3-4, approx. 0.1-acres)
- 217-221 W 3rd Street, Jamestown, New York (SBL No. 387.40-3-5, approx. 0.15-acres)
- 202 W 3rd Street, Jamestown, New York (SBL No. 387.40-3-6, approx. 0.1-acres)
- 205 W 3rd Street, Jamestown, New York (SBL No. 387.40-3-7, approx. 0.5-acres)
- 201-213 Washington Street, Jamestown, New York (SBL No. 387.40-3-55, approx. 0.5-acres)

Parcel addresses listed above per Chautauqua County GIS Maps website (www.chautauquagis.com).

The Site is bound by West Third Street to the north, Washington Street to the east, Lafayette Street to the west, and West Second Street to the south. Additionally, Rose Alley runs through the Site north-south from West Third Street to West Second Street, with a private alley running east from Rose Alley to Washington Street.

The Site neighbors include commercial buildings to the north, south and east of the Site, and an ice arena west of the Site. There are no private residences within several city blocks of the Site.

FIGURE 1-1



726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0092-006-100

DATE: APRIL 2007

DRAFTED BY: NTM

SITE LOCATION AND VICINITY MAP

BROWNFIELD CLEANUP PROGRAM

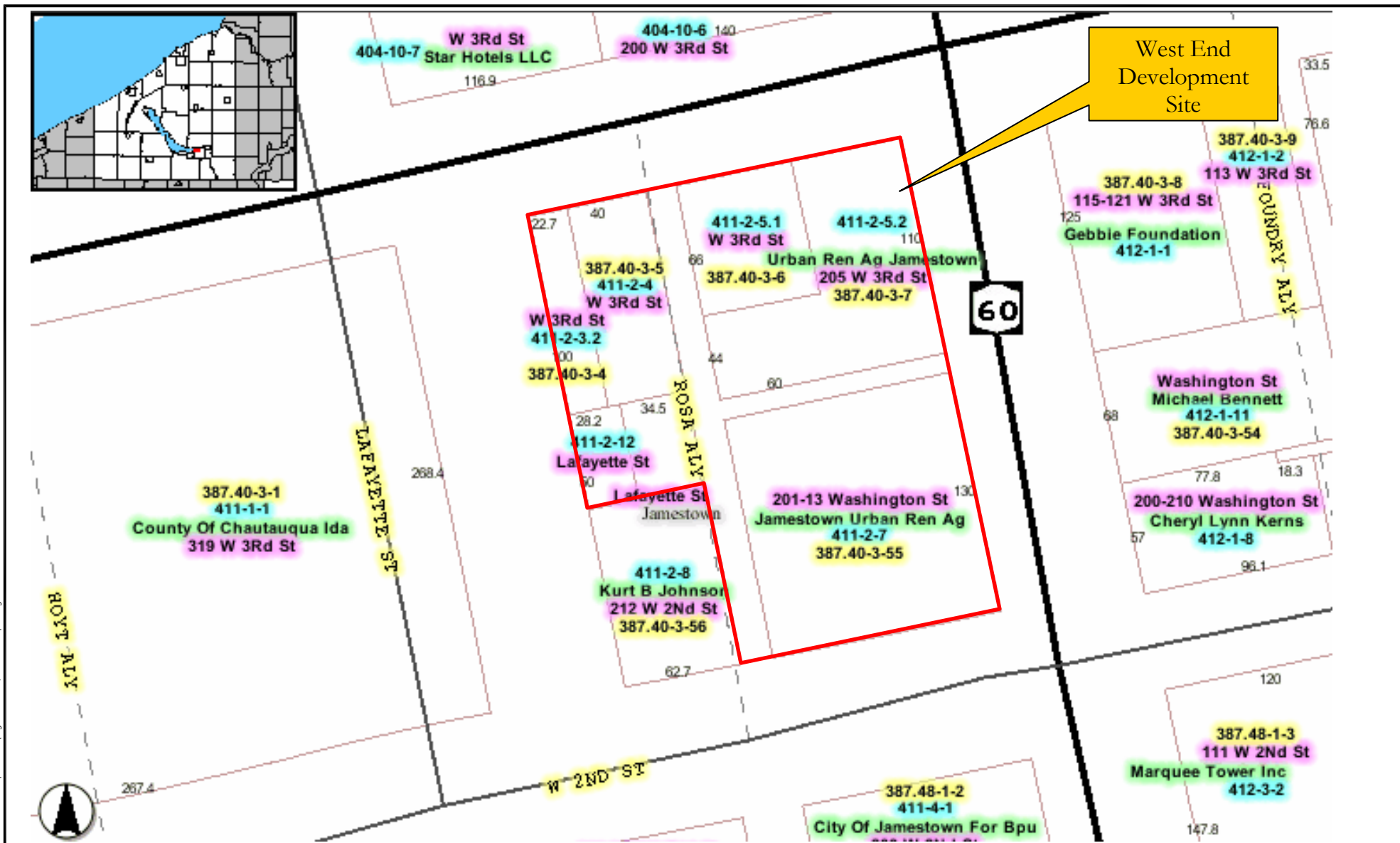
WEST END DEVELOPMENT SITE
JAMESTOWN, NEW YORK

PREPARED FOR
KROG CORPORATION



ATTACHMENT 02

TAX MAP



726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0092-006-100

DATE: APRIL 2007

DRAFTED BY: NTM

TAX MAP

BROWNFIELD CLEANUP PROGRAM APPLICATION

WEST END DEVELOPMENT SITE
JAMESTOWN, NEW YORK

PREPARED FOR
KROG CORPORATION

FIGURE 2-1

ATTACHMENT 03

PROJECT DESCRIPTION & SCHEDULE

**Attachment 03
Project Description**

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

PROJECT DESCRIPTION

The site is in an economically depressed and highly urbanized area in the City of Jamestown. The site is also located within a New York State designated Environmental Zone (En-Zone) due to the high poverty rate.

Krog Corporation plans to purchase the Site and initially construct an approximate 48,000-square foot commercial office building. Future phases of site redevelopment will include additional commercial and/or residential buildings that will ultimately result in the entire footprint of the Site being occupied by buildings.

Depending on the complexity of the final redevelopment plans, Krog Corporation plans to make an initial capital investment of approximately \$5,000,000 to \$6,000,000 to redevelop the site. The project will create approximately 30 short term construction jobs and, upon site redevelopment, an anticipated 30 long-term jobs in the inner city of Jamestown. The project will result in redevelopment of an underutilized surface parking lot as a commercial office building.

The Site has a long history of environmentally sensitive property uses, including a dry cleaner, hatter, cleaning and dyeing company, commercial printer, welding shop, automobile repair, and automobile tire repair and vulcanizing operation. Previous investigations have identified elevated semi-volatile organic compounds (SVOCs), metals (arsenic, cadmium) and volatile organic compounds (VOCs) as constituents of concern.

Krog Corporation is submitting a Remedial Investigation Work Plan (RIWP) concurrently with this BCP application to investigate constituents of concern and to characterize the impacts to environmental media (i.e., soil, groundwater and soil gas). The RI will include a geophysical survey to investigate historical buried tanks, soil borings and collection of soil samples, installation and sampling of groundwater monitoring wells, sampling of existing groundwater monitoring wells, and a soil gas survey to assess the need for a sub-slab depressurization system in future buildings. As future buildings may include sub-grade construction and potentially residential units, Krog Corporation plans to clean-up the Site to NYSDEC Part 375 Restricted-Residential Soil Cleanup Objectives (SCOs).

**Attachment 03
Project Description**

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

PROJECT SCHEDULE

The overall project schedule will be established upon finalization of the Site redevelopment plans. The environmental engineering and consulting tasks associated with the BCP are estimated as follows:

June 2007- Submit BCP application and Remedial Investigation (RI) Work Plan

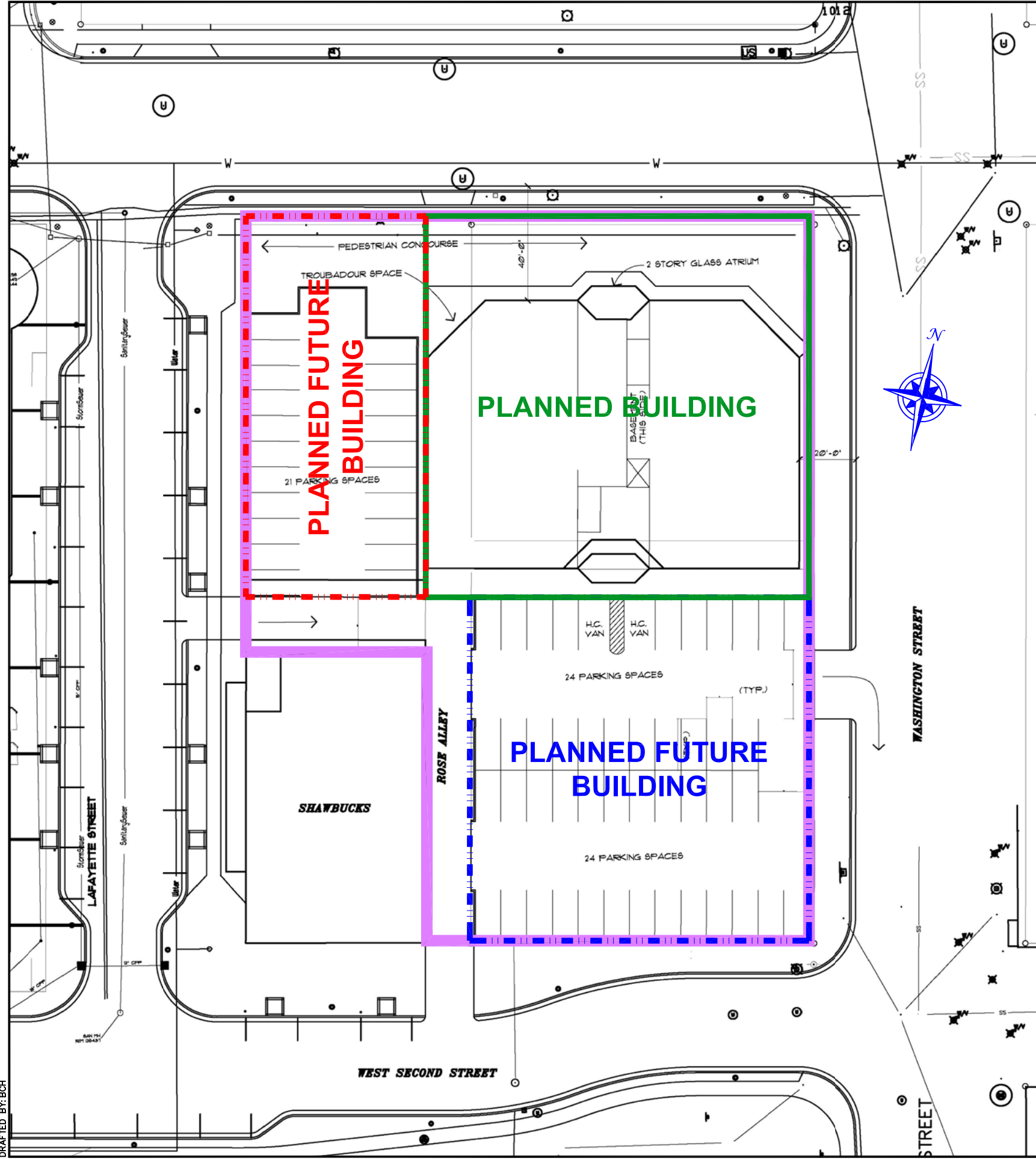
July 2007- Complete RI fieldwork

August 2007- Prepare and submit RI/Alternatives Analysis Report/Remedial Design Work Plan

October 2007- Remedial Work and Site Redevelopment

ATTACHMENT 04

PROPOSED (DRAFT) REDEVELOPMENT MASTER PLAN MAP



LEGEND:

- PROPERTY BOUNDARY (APPROX. 0.98 ACRES)
- PLANNED BUILDING
- PLANNED FUTURE BUILDING NO. 1
- PLANNED FUTURE BUILDING NO. 2



SCALE: 1 INCH = 40 FEET
SCALE IN FEET
(approximate)

REDEVELOPMENT MASTER PLAN

BCP APPLICATION
WEST END DEVELOPMENT SITE
JAMESTOWN, NEW YORK

PREPARED FOR
KROG CORPORATION

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0092-001-200

FIGURE 4-1

ATTACHMENT 05

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**PHASE I ENVIRONMENTAL
SITE ASSESSMENT REPORT**

FOR THE

**WEST END DEVELOPMENT SITE
WEST THIRD AND WASHINGTON STREETS
JAMESTOWN, NEW YORK 14701**

Prepared by:

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS

One Thousand Maple Road
Elma, NY 14059-0264

(716) 655-8842
(fax) (716) 655-0937

001109201

NOVEMBER 2001



ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS

PHASE I ENVIRONMENTAL
SITE ASSESSMENT REPORT

FOR THE

WEST END DEVELOPMENT SITE
THIRD AND WASHINGTON STREETS
JAMESTOWN, NEW YORK 14701

TABLE OF CONTENTS

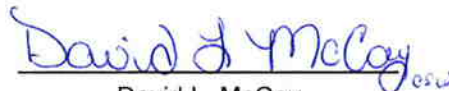
| | |
|--|-----|
| QUALIFICATION STATEMENT | iii |
| 1.0 INTRODUCTION | 1 |
| 1.1 Purpose | 1 |
| 2.0 SCOPE OF WORK | 1 |
| 2.1 Records Review | 2 |
| 2.2 Site Reconnaissance | 2 |
| 2.3 Interviews | 3 |
| 2.4 Report | 3 |
| 2.5 Additional Services | 3 |
| 3.0 SITE DESCRIPTION | 3 |
| 3.1 Location and Legal Description | 3 |
| 3.2 Physical Setting Sources | 4 |
| 3.2.1 Topography | 4 |
| 3.2.2 Site Geology and Hydrology | 5 |
| 3.3 Neighboring Properties | 5 |
| 4.0 HISTORICAL RECORDS REVIEW | 6 |
| 4.1 Recorded Land Title Records | 6 |
| 4.2 Aerial Photographs | 6 |
| 4.3 Fire Insurance Maps | 6 |
| 4.4 Street Directories | 8 |
| 4.5 Historical Atlases | 11 |
| 5.0 RECORDS REVIEW | 11 |
| 5.1 Local Records | 12 |
| 5.1.1 Assessor's Office | 12 |
| 5.1.2 Fire Department | 14 |
| 5.1.3 Building Inspection Office | 14 |
| 5.1.4 FOIL Requests | 14 |
| 5.1.5 Other Record Sources | 14 |
| 5.2 State and Federal Records | 15 |
| 5.2.1 Inactive, Uncontrolled or Abandoned Hazardous Waste Sites | 15 |
| 5.2.2 Active Solid Waste Sites | 16 |
| 5.2.3 Hazardous Waste Treatment, Storage and Disposal Facilities | 16 |
| 5.2.4 Hazardous Waste Generators | 16 |
| 5.2.5 Toxic Waste Generators | 17 |
| 5.2.6 Petroleum and Chemical Storage Tanks/facilities | 17 |
| 5.2.7 Hazardous Substance and Petroleum Releases | 19 |
| 5.2.8 FOIL Request | 20 |

| | | |
|------------|--|----|
| 6.0 | SITE RECONNAISSANCE AND INTERVIEWS | 20 |
| 6.1 | Site Reconnaissance | 20 |
| 6.1.1 | Site Visit | 20 |
| 6.1.2 | Pits, Ponds, Lagoons | 22 |
| 6.1.3 | Pools of Liquid | 22 |
| 6.1.4 | Stained Soils and Surfaces | 22 |
| 6.1.5 | Stressed Vegetation | 22 |
| 6.1.6 | Strong or Noxious Odors | 22 |
| 6.1.7 | Drains or Sumps | 22 |
| 6.1.8 | Indications of Solid Waste Disposal | 23 |
| 6.1.9 | Unidentified Substance Containers | 23 |
| 6.1.10 | Hazardous Waste, Hazardous Substances, and Hazardous Materials | 23 |
| 6.1.11 | Storage Tanks (UST, AST) | 23 |
| 6.1.12 | Indications of PCBs | 23 |
| 6.1.13 | Wastewater Disposal | 23 |
| 6.1.14 | Lead Based Building Materials | 23 |
| 6.2 | Interviews | 24 |
| 6.2.1 | Property Owner/Occupant | 24 |
| 6.2.2 | Adjacent Property Owner/Occupant | 24 |
| 7.0 | FINDINGS AND CONCLUSIONS | 24 |
| 7.1 | Summary of Findings | 24 |
| 7.2 | Conclusions | 26 |
| 7.2.1 | Recognized Environmental Conditions | 26 |
| 7.2.2 | Other Potential Areas of Environmental Concern | 27 |
| 8.0 | LIMITATIONS | 27 |
| FIGURE 1 | PROJECT LOCATION MAP | |
| FIGURE 2 | EXISTING CONDITIONS | |
| APPENDIX A | COMPLIANCE CHECKLIST | |
| APPENDIX B | ECOSEARCH REPORT | |
| APPENDIX C | PROPERTY CARDS AND RECENT DEEDS | |
| APPENDIX D | SANBORN MAPS AND HISTORIC ATLASES | |
| APPENDIX E | FOIL CORRESPONDENCE | |
| APPENDIX F | PHOTOGRAPHS | |
| APPENDIX G | ESA SITE INSPECTION CHECKLIST | |

QUALIFICATIONS STATEMENT

This Phase I Environmental Site Assessment (ESA) was performed by a qualified scientist(s) and/or engineer(s) employed by TVGA Engineering, Surveying, P.C. (TVGA). The individuals responsible for the preparation of this report meet the definition of an *Environmental Professional* as defined by Section 3.3.11 of the American Society for Testing and Materials (ASTM) Practice E 1527-00. Resumes of Environmental Professionals are on file at TVGA, and are available upon request.

ESA Performed By:


David L. McCoy
Project Scientist

ESA Reviewed By:


Robert R. Napieralski, C.P.G.
Project Manager

1.0 INTRODUCTION

TVGA Engineering, Surveying, P.C. (TVGA) was retained by the Jamestown Urban Renewal Agency, to perform a Phase I Environmental Site Assessment (ESA) of the West End Development Site, located at West Third and Washington Streets, in the Town of Ellicott, City of Jamestown, Chautauqua County, New York (Figure 1). This Phase I ESA was performed in support of potential commercial development of the property. The purpose of this Phase I ESA was to identify recognized environmental conditions, as defined by *American Society for Testing and Materials* (ASTM) Practice E 1527-00, in connection with the subject property.

The term recognized environmental conditions is defined by ASTM as the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate regulatory agencies.

1.1 Purpose

This Phase I ESA Report has been prepared to:

- Provide a general description of the subject property, including any structures, and the site vicinity;
- Discuss the current and historical usage of the property and surrounding area;
- Identify the presence or absence of recognized environmental conditions in connection with the subject property based upon the results of a historical and regulatory records review, interviews, and a site visit;
- Define areas of potential environmental concern warranting further investigation.

2.0 SCOPE OF WORK

The Phase I Environmental Site Assessment Report relates the findings with respect to:

- Records Review
- Site Reconnaissance
- Interviews

Limitations and exceptions associated with the performance of this Phase I Environmental Site Assessment are presented at the end of this report. A checklist for compliance with ASTM Practice E 1527-00 is included as Appendix A.

2.1 Records Review

The review of historical records and regulatory records from Local, State, and Federal sources was completed as part of the Phase I ESA process.

The review of standard historical sources was completed to develop a history of the previous uses or occupancies of the subject property and surrounding area in order to identify uses or occupants which may have led to recognized environmental conditions in connection with the subject property. Standard historical sources were consulted to identify uses of the subject property from 1940 to the present, when reasonably ascertainable. Furthermore, at a minimum, at least one historical source was consulted to investigate past uses of the site prior to 1940, or until the time at which the property was undeveloped. The historical use of adjoining properties was also researched as part of this review. Section 4.0 details the results of the historical records review.

A review of Local, State, and Federal record sources relating to the presence or occurrence of facilities or spills involving solid and hazardous waste and petroleum products on the subject property and/or properties occurring within the approximate minimum search distances established in ASTM Practice E-1527-00 was performed. The results of the regulatory records review are included as Section 5.0.

2.2 Site Reconnaissance

A site visit of the subject property was conducted to identify visible environmental concerns such as:

- Current and past use of the property and adjoining parcels
- The physical setting of the site including a general description of structures and improvements on the site
- Waste water and storm water discharges
- On-site septic systems
- Evidence of hazardous waste or petroleum product generation, storage, treatment, or disposal
- Strong or noxious odors
- Pools of liquid
- Drums
- Evidence of PCBs
- Drains or sumps
- Pits, ponds, or lagoons
- Stained soils and surfaces
- Stressed vegetation
- Improper disposal of solid waste

2.3 Interviews

Reasonable attempts were made to conduct interviews with the property owner/occupant; former employees, neighboring property owners, and local government officials for the purpose of obtaining information indicating recognized environmental conditions in connection with the subject property.

2.4 Report

This report includes the necessary documentation to support opinions and conclusions. The report summarizes the records and historical use review, the site reconnaissance, and the results of interviews. The report documents each source used, even if the source revealed no findings, to facilitate reconstruction of the research at a later date, if necessary.

2.5 Additional Services

The scope of this Phase I ESA, as outlined in the preceding subsections, was developed in accordance with ASTM Practice E 1527-00. No additional services beyond that specified in ASTM Practice E 1527-00 were provided in association with this ESA. More specifically, this ESA did not include sampling or analysis of potential lead based paint or asbestos containing materials, or the collection and analysis of environmental samples, for the purpose of characterizing physical or chemical conditions on, or within the subsurface of the site.

3.0 **SITE DESCRIPTION**

This section briefly describes the subject property, as well as the general location and legal description of the property, if known. The subject property area is then defined through the use of common physical setting sources and a description of neighboring properties.

3.1 Location and Legal Description

The subject property is composed of eight (8) separate parcels of land totaling 0.98 acres, known as the Downtown West End Development Site. The site is currently used for parking and for commercial purposes and also contains Rose Alley that runs north/south from West Second to West Third Street and a private alley running from Rose Alley eastward to Washington Street. There are two (2) occupied commercial buildings on the site. The larger of the two structures is a three story brick structure that is occupied by a restaurant lounge on the first floor, totals approximately 8,600 ft² and is located at 217-221 West Third Street. The smaller structure, which is also a restaurant, encompasses approximately 1,600 ft² and is located at 205 West Third Street, in the Town of Ellicott, City of Jamestown, Chautauqua County, New York.

The subject property has approximately 195' of frontage along West Third Street and 250' of frontage along Washington Street. There are a total of eight parcels in part or whole that have section, block, lot (SBL) numbers assigned to them by the City of Jamestown Assessor (Figure 2). The SBL Nos. of the parcels that comprise the subject property and a brief description of each parcel is included in the following table:

| SBL No. | Description |
|-----------|--|
| 411-2-3.2 | A vacant parcel now owned by CCIDA that has approximately 20' frontage on West Third Street and is bounded on the west side by the Future Lafayette Street. Access to this parcel is restricted due to a security fence associated with construction of the ice arena. |
| 411-2-4 | This parcel now owned by Mattia Miele has approximately 40' of frontage on West Third Street with a three story commercial building, approximately 8,600 sf ² total. |
| 411-2-12 | This parcel is now owned by the City of Jamestown, and is bounded on the west side by Future Lafayette Street. Parcel is currently paved and used for parking. |
| 411-2-13 | Parcel now owned by the City of Jamestown that is bounded on the east by Rose Alley. Parcel is currently paved and is used for parking. |
| 411-2-5.1 | This parcel is owned by Ethel Enserro and others. It has approximately 60' of frontage on West Third Street and is paved and is currently used for parking. |
| 411-2-5.2 | Parcel now owned by Bendo and is bounded on the west and south by Rose Alley. Parcel is paved and currently used for parking. |
| 411-2-6 | This parcel is also owned by Bendo and has approximately 58' frontage on West Third Street and approximately 105 feet of frontage on Washington Street. The parcel has a single story commercial building, approximately 1,600 sf ² total. The northern part of the parcel is paved and used for parking. |
| 411-2-7 | This parcel now owned by JURA and has approximately 125' frontage on Washington Street and approximately 120' frontage on West Second Street. The parcel is paved and used for parking. |

The subject property is identified as the Downtown West End Development Site. The City of Jamestown Department of Development currently designates the subject property as Zone C-3, Central Business District.

3.2 Physical Setting Sources

3.2.1 Topography

A USGS 7.5 Minute Topographic Map is included as Figure 1, USGS Topographic Map. The topography of the subject property is predominantly flat, sloping gently to the south with an approximate elevation of 1320 feet above mean sea level (AMSL) based upon the USGS topographic mapping of the area.

3.2.2 Site Geology and Hydrology

The Surficial Geologic Map of New York, Niagara Sheet, depicts the subject property area as being underlain by lacustrine silt and clay. *The Geologic Map of New York, Niagara Section*, depicts the uppermost bedrock formation beneath the subject property area as consisting of upper Devonian Period shales and siltstones, ranging from 250'-600' in thickness. The Soil Survey of Chautauqua County indicates the subject property is located in an area of silt loam. The subject property soil is designated as Ur – Urban Land, which is described as nearly level to sloping areas in which 85% or more of the surface is covered with asphalt, concrete or other impervious material.

A Flood Insurance Rate Map of the subject property area was obtained. The subject property area is not within Zone A, which is an area of a 100-year flood.

The New York State Department of Environmental Conservation (NYSDEC) wetland map and the U.S. Department of Interior Fish and Wildlife Service National Wetlands Inventory map for the Jamestown, New York Quadrangle were reviewed. No state or federal listed wetland areas are located on the subject property. No state wetland areas are located within a one-half mile radius of the subject property. There is one federal jurisdictional wetland area depicted on the National Wetland Inventory (NWI) map located approximately 0.2 miles south of the subject property. The wetland is located at the Chautauqua Lake outlet or Chadakoin River and is described as being Palustrine Open Water.

3.3 Neighboring Properties

Commercial construction and commercial land use characterize the site vicinity. The subject property is bounded on the north by West Third Street. On the North side of West Third Street is a parking lot and bus stop.

The subject property is bounded on the south by West Second Street. On the south side of West Second Street is a former Conrail maintenance facility (formerly the Erie Lackawanna Passenger Station) at 211 West Second Street and the City of Jamestown Board of Public Utilities Electric Substation located at 101 Washington Street.

The east side of the site is bounded by Washington Street. There are three commercial buildings on the east side of Washington Street. At the intersection of Washington and West Third Streets is a vacant commercial building containing an empty storefront that is accessed from West Third Street. Adjacent to the aforementioned structure is another vacant building formerly used as a parking garage and dry cleaning facility that is identified as Shea's Deluxe Cleaners at 212 Washington Street, and located at the intersection of Washington and West second Streets is the Rusty Nail, which is a restaurant and bar.

The Future Lafayette Street and a concert club currently known as Shawbuck's at 212 West Second Street adjoin the site on the west. Beyond the west side of Future Lafayette Street is the Jamestown Ice Arena complex, which is currently under construction.

4.0 HISTORICAL RECORDS REVIEW

This section of the report details the historical information gathered during the Phase I ESA from typical sources, as well as sources that may be unique to this subject property.

4.1 Recorded Land Title Records

Recorded land title records were not readily available and were not reviewed as part of this investigation. Recent deed records for each of the parcels were reviewed as provided by the City of Jamestown Assessor's office. Appendix C summarizes the parcel owners as determined throughout the historical records review. Ownership information regarding adjacent properties was obtained from the City of Jamestown Assessor's office and is presented in Section 5.1.1.

4.2 Aerial Photographs

Aerial photographs of the subject site and surrounding properties for the years 1938, 1956, 1977 and 1990, maintained by the U.S. Department of Agriculture, Natural Resource Conservation Service (NRCS), Chautauqua County Branch, were reviewed. Aerial photographs often provide information concerning the history of development of the subject property and surrounding area.

The 1938, 1956 and 1977 photographs indicated that the site and surrounding area was developed with a number of multi-story commercial structures. The 1990 photographs indicate that several of the larger structures on the site had been removed. The low resolution and large scale of the photographs made identification of the individual structures and site features nearly impossible.

4.3 Fire Insurance Maps

Fire insurance maps typically were produced for commercial, industrial, and residential areas that would have been underwritten by insurance companies. Sanborn fire insurance maps for the subject property and surrounding area from the years 1902-1926, and 1930-1951 were viewed at the Fenton Historical Society in Jamestown, NY. Sanborn fire insurance maps from 1962 were viewed at the City of Jamestown Office of Development. Copies of these maps are provided in Appendix D. Based upon a review of these maps, the following information concerning the historical use of the subject property and adjacent properties was indicated:

1902-1926 – Coverage of the entire subject property was provided on this map. Rose Alley was shown bisecting the subject property. The Washington Public Market was identified at the southeastern corner of the block at the intersection of Washington and West Second Streets. The market was a large three story masonry structure with steel reinforced concrete floors with apartments on the second and third floors. West of Rose Alley the Journal Press was located at 212 West Second Street. The date of construction is noted as 1924 for this structure. The Journal Press building remains today and is utilized as a music or dance club. North of the market and along Washington Street there were several businesses identified. There was a two story structure at 215-217 Washington Street identified as a automobile tire repair shop and a one story welding shop at the rear, located off Rose Alley. There was a three story commercial building depicted at the northeast corner of the subject property at the corner of Washington and West Third Streets containing store fronts at 219 and 221 Washington and at 201, 203, 205, and 207 West Second Street. Adjoining the previously noted structure is a two story commercial building containing store fronts at 209, 211, 213, and 215 West Third Street. West of Rose Alley and along West Third Street there was a three story commercial building with store fronts located at 217 and 219 West Third Street. The second and third stories of this building were identified as flats. This structure remains today as Mattia's and the Stardust Lounge. West of the previously noted building there was a small one story store front shown at 221 West Third Street. There was also a two story building located on the west side of Rose Alley that is identified as a garage with room for six cars.

1930-1951 – The subject properties are shown in greater detail on this map and most of the buildings identified on the previous Sanborn still exist. Rose Alley was shown bisecting the block and a private alley is shown running east from Rose Alley to Washington Street. The large building identified as the Washington Public Market on the earlier Sanborn was identified as drug wholesale with apartments on the second and third floors. The building occupies 200 and 204 West Second Street and 201 and 215 Washington Street addresses. The Journal Press building was shown at 212, 214, 216 West Second. The building was described as being constructed with pilastered walls with reinforced concrete floors and roof. There was a basement used for storage, first and second floors used for printing, and the third floor used as a bindery. North of the private alley a three story structure identified as the Professional Building was shown. The Professional Building occupied 217, 219 and 221 along Washington Street and 201, 203, 205 and 207 along West Third Street. The ground floor occupancy was a mix of restaurants and store fronts. A restaurant had replaced the automobile tire shop noted at 217 Washington Street on the earlier Sanborn and the welding works had become a bakery. West of the Professional Building and east of Rose Alley, the commercial building noted on the earlier Sanborn was shown in greater detail. The Sanborn map indicated that the structure was two and three stories high, occupied with restaurants and stores at the ground level. West of Rose

Alley the Alley and along West Third Street the three story commercial building located at 217 and 219 West Third Street was depicted with restaurants at street level. The two story building located on the west side of Rose Alley that was identified as a garage with room for six cars on the earlier Sanborn has been removed, and a parking lot was shown extending from Rose Alley westward to Lafayette Street.

1962 - The subject properties were shown in greater detail on this map. Several of the buildings identified on the previous Sanborn had been demolished. Rose Alley was shown bisecting the block and a private alley was shown running east from Rose Alley to Washington Street. The large building identified as the Washington Public Market on the earlier Sanborns has been demolished and replaced by a parking lot. The Journal Press building was again shown at 212, 214, and 216 West Second. The Professional Building located at the northeastern corner of the block at the intersection of West third and Washington Street has been demolished and replaced with a parking lot and a much smaller single story commercial building with a basement identified as 217 Washington Street. West of Rose Alley and along West Third Street the commercial building located at 217 and 219 West Third Street continued to be shown with restaurants and stores at street level with off street parking located at the rear.

4.4 Street Directories

The following City of Jamestown street directories were reviewed at the Fenton Historical Society and the Pendergast Library Association for information concerning the historical occupancy and use of the subject property. According to these directories, Published by R.L. Polk, the occupants of the block containing the subject property included the following on the dates indicated:

| | | |
|-------|------------------------|-------------------------------|
| 1995: | 205 West Third Street: | Donut Connection - Restaurant |
| | 217 West Third Street | Star Dust Tavern |
| | 223 West Third Street | The Ball Club – Sports Bar |
| | 202 West Second Street | City Parking Lot |
| | 212 West Second Street | Vacant |
| 1990 | 205 West Third Street: | Donut Connection - Restaurant |
| | 217 West Third Street | Star Dust Tavern |
| | 221 West Third Street | Mattia's Restaurant |
| | 223 West Third Street | The Show Boat Lounge - Tavern |
| | 202 West Second Street | City Parking Lot |
| | 212 West Second Street | The Journal Press – Printers |
| 1985 | 205 West Third Street: | Mr. Donut - Restaurant |
| | 217 West Third Street | PJ's Lounge - Restaurant |
| | 221 West Third Street | Mattia's Restaurant |

| | | |
|------|---------------------------|---|
| | 223 West Third Street | The Show Boat Lounge – Restaurant |
| | 225 West Third Street | Antoine's Beauty Shop |
| | 202 West Second Street | Bigelows Parking Lot |
| | 212 West Second Street | The Journal Press – Printers |
| 1980 | 205 West Third Street: | Mr. Donut - Restaurant |
| | 217 West Third Street | PJ's Lounge - Restaurant |
| | 221 West Third Street | Vacant |
| | 223 West Third Street | The Show Boat Lounge – Restaurant |
| | 225 West Third Street | Antoine's Beauty Shop |
| | 202 West Second Street | Bigelows Parking Lot |
| | 212 West Second Street | The Journal Press – Printers |
| 1970 | 205 West Third Street: | Mr. Donut - Restaurant |
| | 217 West Third Street | PJ's Lounge – Restaurant |
| | 219 West Third Street | Ritz Restaurant |
| | 223 West Third Street | The Friendly Grill – Restaurant |
| | 225 West Third Street | Antoine's Beauty Shop |
| | 212 West Second Street | The Journal Press – Printers |
| 1960 | 201 West Third Street | B&G News |
| | 203 West Third Street | Professional Building |
| | 205 West Third Street: | The Rug Shop |
| | 207 West Third Street | Palmer's China and Gift Shop |
| | 209 West Third Street | The Friendly Grill – Restaurant |
| | 211 West Third Street | Carlson's Bakery |
| | 213 West Third Street | The Rainbow Restaurant |
| | 217 West Third Street | Sarro's Restaurant |
| | 219 West Third Street | The Ritz Restaurant |
| | 225 West Third Street | U S News |
| | 212 West Second Street | The Journal Press – Printers |
| | 214 West Second Street | The Journal Press – Printers |
| | 216 West Second Street | The Journal Press – Printers |
| | 201-211 Washington Street | E.C. McKallor Drug Co. |
| | 215 Washington Street | Mildred Dawson – Furnished Rooms |
| | 215 ½ Washington Street | Deluxe Dry Cleaners |
| | 217 Washington Street | Victory Restaurant |
| | 217 ½ Washington Street | Jerry Gulino & Sam Malta Barber Shop |
| | 219 Washington Street | The Ranch Restaurant |
| | 219 ½ Washington Street | Lee's Key and Repair, Leo Belknap Notary |
| | 221 Washington Street | The Professional Building |
| | 223 Washington Street | Vacant |

| | | |
|------|-------------------------|--|
| 1950 | 201 West Third Street | B&G News |
| | 203 West Third Street | Professional Building/Johnnies Press Shop |
| | 205 West Third Street: | Frieda Weber's Woman's Clothes |
| | 207 West Third Street | Dodge Shoe Store |
| | 209 West Third Street | The Friendly Grill |
| | 211 West Third Street | Carlson's Bakery |
| | 213 West Third Street | Vacant |
| | 215 West Third Street | Ideal Barber Shop |
| | 217 West Third Street | Brown Derby Restaurant |
| | 219 West Third Street | The Ritz Hotel |
| | 221 West Third Street | Ritz Restaurant |
| | 223 West Third Street | Vacant |
| | 225 West Third Street | U S News |
| | 200 West Second Street | Frank Tyler – Furnished Rooms |
| | 204 West Second Street | Mrs. Lottie Ladd |
| | 212 West Second Street | The Journal Press – Printers |
| | 214 West Second Street | The Journal Press – Printers |
| | 216 West Second Street | The Journal Press – Printers |
| | 205 Washington Street | E.C. McKallor Drug Co. |
| | 211 Washington Street | Norris Supper Club - Restaurant |
| | 215 Washington Street | Mildred Dawson – Furnished Rooms |
| | 215 ½ Washington Street | Deluxe Hatters and Cleaners |
| | 217 Washington Street | Victory Restaurant |
| | 217 ½ Washington Street | Valvo Shoe Repair |
| | 219 Washington Street | The Hayloft Saddle Grill - Restaurant |
| | 219 ½ Washington Street | Lee's Key and Repair |
| | 221 Washington Street | The Professional Building |
| | 223 Washington Street | The Professional Building Barber Shop |
| 1940 | 201 West Third Street | B&G News/Professional Building Barber Shop |
| | 203 West Third Street | Professional Building/Deluxe Hatters |
| | 205 West Third Street: | Axel Ohlquist – Shoe Repair |
| | 207 West Third Street | Hayloft Restaurant |
| | 207 ½ West Third Street | Lizzie Miller |
| | 209 West Third Street | Waffle and Sandwich Shop |
| | 211 West Third Street | Carlson's Bakery |
| | 213 West Third Street | Al's News Room |
| | 215 West Third Street | Ideal Barber Shop |
| | 217 West Third Street | Brown Derby Restaurant |
| | 219 West Third Street | U.S. News |
| | 221 West Third Street | City Shoe Repair |
| | 223 West Third Street | Lindstrom and Meyer Florists |
| | 223 ½ West Third Street | ABC Lunch |

| | |
|---------------------------|---------------------------------|
| 225 West Third Street | The Steak Shop Restaurant |
| 200 West Second Street | Mrs. Elizabeth Smith |
| 204 West Second Street | Mrs. Lottie Ladd |
| 212 West Second Street | The Journal Press – Printers |
| 214 West Second Street | The Journal Press – Printers |
| 216 West Second Street | The Journal Press – Printers |
| 203-213 Washington Street | The Rollarena |
| 211 Washington Street | Gretchen's Kitchen – Restaurant |
| 215 Washington Street | Fred Dawson – Dentist |
| 217 Washington Street | Vacant |
| 217 ½ Washington Street | Vacant |
| 219 Washington Street | The Hayloft Restaurant |
| 219 ½ Washington Street | Thomas Cleaning |
| 221 Washington Street | The Professional Building |

4.5 Historical Atlases

Two Historical atlases were also reviewed and are included in Appendix D. The 1867 Topographical Atlas of Chautauqua County published by W. Stewart indicated the subject area as a portion of Block #21. The block was bisected by an alley. There were five structures located east of the alley and two structures located west of the alley. The structures appeared to be residential, although no legend was present to clearly identify them as such. This atlas was the oldest source of information available and is believed to be the record of first development on the subject property.

The 1888 Chautauqua County Atlas published by F.W. Beers also indicated the subject area as a portion of Block #21. There were five structures identified as the Curtis Heirs and four structures identified as Lillibridge located east of the alley. There were two structures identified as Dr. H. P. Hall, another identified as F.P Hall and one additional structure identified as L.L. Mason located west of the alley. The structures appeared to be residential, although no legend was present to clearly identify them as such.

5.0 RECORDS REVIEW

The records review section is presented by first detailing information collected from local agencies, followed by information from state and federal sources.

Various public offices were visited or contacted and interviews were held in the local area which included:

- The City of Jamestown Assessor's Office;
- The City of Jamestown Clerk's Office;
- The City of Jamestown Department of Development Code Enforcement Officer;
- The City of Jamestown Department of Development Principle Planner;
- The City of Jamestown Fire Department;

-
- The City of Jamestown Historian;
 - The Chautauqua County Branch of the NRCS;
 - The Chautauqua County Department of Public Facilities;
 - The Chautauqua County Health Department, Environmental Division; and
 - The New York State Department of Environmental Conservation, Region 9.

5.1 Local Records

5.1.1 Assessor's Office

The City of Jamestown Assessor's office provided copies of the property cards and recent deeds. Ownership histories for the subject property and adjoining properties were provided, as well as recent and historic property cards. Appendix C contains ownership information, and historical property cards.

The historical property cards that provided useful information regarding the subject property are detailed below.

The property card for (SBL No. 411-2-3.2) which was last updated in 2000 indicated the following:

- The parcel is currently owned by the Chautauqua County Industrial Development Agency;
- The lot size is approximately 22.7' x 100';
- The Friendly Lounge formerly occupied the street address of 223 West Third Street in 1969;
- The one story wood frame structure with a full basement was demolished in 2001; and
- The most recent Building Permit Record issued on 8/23/93 for a 3'x8' sign with an estimated cost of \$400.

A property card for SBL No. 411-2-4 that was last updated in 1980 indicated the following:

- The parcel is currently owned by Mattia Miele;
- The street address for the premises is 217-221 West Third Street;
- The lot size is approximately 40' x 100';
- The site is occupied by a three story building with a full basement that was constructed in 1892;
- In 1968 the first floor was occupied by P.J.'s Lounge and the Ritz Restaurant and the second and third floors contained two apartments each; and
- The most recent Building Permit Record issued on 10/31/94 for a sound partition that had an estimated cost of \$100.

A property card for SBL No. 411-2-5.1 that was last updated in 1996 indicated the following:

- The parcel is currently owned by Enserro, Fogarty, Petro and Grieco;
- The lot size is approximately 60' x 66';
- The site is paved parking lot constructed in 1969; and
- The lot is used for parking for the Mr. Donut Shop;

A property card for SBL No. 411-2-5.2 and 411-2-6 indicated the following:

- The two parcels are combined and are currently owned by W.J. and N.J. Bendo;
- The street address for the premises is 205 West Third Street;
- The site is occupied by a one story block building and paved parking lot, both constructed in 1969;
- The structure is occupied by a fast food restaurant described as Mr. Donut; and
- Building Permit Records indicate that in 1985 the building was renovated inside and out at a cost of approximately \$24,000. In 1992 the drive through window was added and the sign was changed at a combined cost of \$2,450.

A property card for SBL No. 411-2-7 indicated the following:

- The parcel is currently owned by the Jamestown Urban Renewal Agency;
- The lot size is approximately 130' x 120';
- The site is a paved parking lot, constructed in 1972, and was formerly known as Bigelow's Parking Lot;
- There was an operations shed that was 10' x 10' located on the site; and
- The old drug building and apartments were demolished to convert the site into Bigelow's Parking Lot.

A property card for SBL No. 411-2-12 that was last updated in 2000 indicated the following:

- The parcel is currently owned by the City of Jamestown;
- The lot size is approximately 50' x 28.2';
- A portion of the lot has been dedicated as future Lafayette Street;
- This site is a paved parking lot; and
- Building Permit Records indicate that in 1983 a 6' high chain link fence was installed at an estimated cost of \$2000.

A property card for SBL No. 411-2-13 that was last updated in 1991 indicated the following:

- The parcel is currently owned by the City of Jamestown;
- The lot size is approximately 50' x 34';
- This site is paved and used as a parking lot; and
- Building Permit Records indicate that in 1983 a 6' high chain link fence was installed at an estimated cost of \$2000.

City Engineer

The City of Jamestown Department of Public Works Director, Mr. Jeffery Lehman, was interviewed regarding department records. Mr. Lehman indicated there was a previously unknown UST that had been discovered by National Fuel Gas while performing utility work on West Second Street, west of the subject property. The tank was not removed.

National Fuel Gas

Mr. Rick Sanders, was interviewed regarding company records. Mr. Sanders indicated there was a previously unknown UST that had been discovered by National Fuel Gas while performing utility work on West Second Street, west of the subject property. The tank was partially exposed. Mr. Sanders noted that the tank appeared to have been abandoned in place. There was a one foot square opening cut in the top and the tank was filled with sand. The location of the excavation is in the sidewalk north of West Second Street, approximately 10' west of the southeast corner of the former Post Journal Building and west of Rose Alley. The excavation was backfilled and the sidewalk was repaired with an asphalt patch.

City Historian

The City of Jamestown Historian, Ms. Delores Thompson was interviewed at the Fenton Historical Society. Ms. Thompson had no site specific information and knew of no industrial activity on the subject property. Ms. Thompson noted that the subject property was outside of the industrial corridor that followed the Chautauqua Lake Outlet and the site was likely to have been shops and restaurants with upstairs apartments. She had researched the historic photograph file maintained at the Fenton Historical Society for any applicable photographic records. The search was unsuccessful.

5.2 State and Federal Records

An environmental database service company, EcoSearch Environmental Resources, Inc. (Ecosearch), was contracted to provide a site-specific environmental database search report for the subject property and vicinity. The Ecosearch Environmental Site Assessment Report is included as Appendix B and is summarized in the following subsections.

5.2.1 Inactive, Uncontrolled or Abandoned Hazardous Waste Sites

The subject property does not appear on the USEPA National Priority List (NPL) of hazardous waste sites, the USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database, or the NYSDEC registry of Inactive Hazardous Waste Sites (IHWS). However, the following site was identified within the minimum search distances specified for these databases:

-
- The Former Jamestown City Landfill located 0.94048 miles north-northwest of the subject property is listed as a Class 3 IHWS. This classification signifies that the site does not present a significant threat to the public health or the environment, and does not require active remediation. No further work is planned at the site. The Chadakoin River Park, which was developed on a portion of this site, is also designated as a delisted No Further Remedial Action Planned (NFRAP) site under the USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database. Based upon its regulatory status and distance from the subject property, the presence of this site is not likely to pose an environmental risk to the subject property.

No other NPL, CERCLIS or IHWS sites were identified within the minimum search distances specified for these databases.

5.2.2 Active Solid Waste Sites

No New York State Solid Waste facilities were identified on the subject property or within a one-half mile radius of the site. However, this database had multiple listings of the Chadakoin River Park, which was identified in Section 5.2.1. The presence of this SWF is not likely to pose an environmental risk to the subject property due to its regulatory status and distance from the subject property.

5.2.3 Hazardous Waste Treatment, Storage and Disposal Facilities

Review of the RCRA Treatment, Storage, and Disposal Facilities (TSDF) Report (April 2000) indicated that no such facilities exist on or within a 1-mile radius of the subject property.

5.2.4 Hazardous Waste Generators

The subject property does not appear on the USEPA Resource Conservation and Recovery Information System (RCRIS) lists of large or small quantity hazardous waste generators or Corrective Action Sites (CORRACTS). Although no CORRACTS sites were identified within a 0.25-mile radius of the subject property, RCRIS listed 11 hazardous waste generators within this radius. The listed sites include two nearby properties that were former RCRA sites:

- Shea's Deluxe Cleaners – located at 214 Washington Street, opposite the subject property (east side); and
- Conrail Jamestown Diesel Shop – located at 211 West Second Street, opposite the subject property (south side).

Based upon the absence of any indications of facility violations, penalties or corrective actions at these former RCRA sites, they are not viewed as significant sources of

environmental concern relative to the subject property. Furthermore, none of the remaining nine (9) listed sites are considered to represent threats to the environmental integrity of the subject property based upon their distance from the subject property and/or their regulatory status.

The USEPA Civil Enforcement Docket (DOCKET) provides information on civil and administrative actions filed by the Department of Justice for the USEPA. No DOCKET facilities are located on the subject property or adjoining the subject property. There is one site with two civil enforcements listed that is within a 0.25-mile radius of the subject property. The Copper Ridge Company, located at 111 West Second Street was found to be in violation of provisions of the Clean Water Act, Section 1421 related to financial responsibility. The Copper Ridge facility is located 0.035098 miles east southeast of the subject property. The violations noted are not likely to pose an environmental risk to the subject property.

5.2.5 Toxic Waste Generators

The PCB Activity Database System (PADS) contains information on facilities, that handle PCBs and file EPA Form 7710-53. The subject property was not identified on the PADS database. However, this database did identify one site within 0.25-mile of the subject property. The Washington Street Substation (NYD981566342), located at 101 Washington Street, was identified as an active generator of PCBs. This site is located 0.149967 miles southeast of the subject property, on the south side of West Second Street, across the street from the subject property. The presence of this PCB generator is not likely to pose an environmental risk to the subject property based upon its down-gradient position relative to the subject property.

The Toxic Release Inventory (TRI) contains information from facilities that manufacture, process, or import any of the listed toxic chemicals. The subject property and adjoining properties were not on the TRI database.

The USEPA Section Seven Tracking System (SSTS) tracks the registration of pesticide-producing establishments. No SSTS facilities are located at the subject property, adjoining the subject property, or within a ¼-mile radius of the subject property.

5.2.6 Petroleum and Chemical Storage Tanks/facilities

The New York State Petroleum Bulk Storage (PBS) registrant listing for New York State did not identify registered PBS facilities on, or adjacent to the subject property. However, eight PBS sites (pages 35-45 of the Ecossearch report) were identified within a 0.25-mile radius of the subject property. Based upon a review of the PBS database information, two of the eight sites represent potential threats to the integrity of the subject property. These sites are described below:

-
- Stan's BP – formerly located at 311 West 3rd Street, within 0.1-miles to the northwest of the subject property. According to the Ecosearch report, this PBS site contains 3 active and 5 inactive USTs, and was also listed on the New York Spills database for a petroleum spill that occurred in March 2000 and affected groundwater. Additional research on this site, however, indicates that it was demolished and the USTs were removed in conjunction with site preparation activities for the Ice Arena construction project that is currently underway. Significant subsurface petroleum contamination was reportedly detected in the vicinity of this site, and subsequent investigations indicated that the contamination extends in a southeasterly direction towards West 2nd Street. Therefore, the migration of subsurface petroleum contamination from this site onto the subject property has been identified as a potential concern.
 - Chet's Service – located at 527 Washington Street, within 0.2-miles to the north of the subject property. This site is located up-gradient of the subject property with respect to inferred groundwater flow direction and reportedly contains 4 inactive USTs that were installed in 1965, and for which no closure date has been reported. Based upon the age and status of these USTs, and the up-gradient position of this site relative to the subject property, the potential migration of subsurface petroleum contamination from this site onto the subject property has been identified as an environmental concern.

None of the remaining six PBS sites are viewed as threats to the environmental integrity of the subject property because of their location relative to the subject property and/or their regulatory status.

The New York State Chemical Bulk Storage (CBS) registrant listing for New York State did not identify registered CBS facilities on, or adjacent to, the subject property.

The subject property and adjoining properties were not listed on the New York State Leaking Storage Tank (LST) registry. However, 13 LST sites were identified within a 0.5-mile radius of the subject property, with the following two sites occurring within a 0.25-mile radius of the subject property:

- The Woolschlager Property site, Spill No. 9603853, located at 208 West Fourth Street, was the result of a tank failure at a gasoline station, and was identified on 06/20/1996. The cleanup standards were reportedly met, and the cleanup was stopped on 08/23/96. Based on its regulatory status, this site is not viewed as a source of environmental concern relative to the subject property.
- The Chet's Mobile (Spill No. 9010542) located at 507 Washington Street, was the result of a tank failure identified on 01/02/1991. This spill site is located 0.167 miles north of the subject property, and is positioned up-gradient of the subject property with respect to inferred groundwater flow direction. The LST database indicates that the cleanup standards were not met at this site. Therefore, the potential migration of

subsurface petroleum contamination from this site onto the subject property has been identified as an environmental concern.

According to the Ecosearch report, the cleanup standards were met at nine of the remaining 11 LST sites located within 0.5-miles of the subject property. Therefore, these nine sites are not viewed as threats to the environmental integrity of the subject property. Although the cleanup standards were not met at the two remaining sites, they are not considered to represent sources of environmental concern relative to the subject property because of their distance and/or hydrogeologic position with respect to the subject property.

A review of the New York State Major Oil Storage Facilities (MOSF) database by Ecosearch did not indicate any facilities with petroleum storage capacities in excess of 400,000 gallons on the subject property or within a 0.25-mile radius of the subject property.

5.2.7 Hazardous Substance and Petroleum Releases

A review of the Emergency Response Notification System (ERNS) by Ecosearch indicated that there have been no releases on the subject property or adjoining properties of hazardous substances or petroleum reported to the U.S. Department of Transportation or the USEPA.

A review of the New York Spills Report Database indicates that there were no spills on the subject property or adjoining properties that were reported to the NYSDEC. However, 15 Spill sites were identified within a 0.5-mile radius of the subject property, with the following two sites occurring within a 0.25-mile radius of the subject property:

- Spill No. 9975715 was reported on 03/14/2000 at Stan's BP, 311 West Third Street, Jamestown, NY. As noted in Section 5.2.6, this site was demolished in conjunction with the current Ice Arena construction project, and has been identified as a potential threat to the environmental integrity of the subject property based upon subsurface petroleum contamination that extends toward the southwestern corner of the subject property.
- Spill No. 9310841 was reported on 11/30/1993 at the Sonic Star, at 9 North Main Street, Jamestown, NY. This waste oil spill was reported on 12/02/1993 and was the result of an equipment failure. The spill site is located 0.17179 miles east, southeast of the subject property. The cleanup was completed on 12/08/1993, the cleanup standards were reportedly met, and the spill file was closed on 12/08/1993. Based upon its regulatory status and hydrogeologic position relative to the subject property, this site is not viewed as a source of environmental concern.

According to the Ecosearch report, the cleanup standards were met at ten of the remaining 13 Spill sites located within 0.5-miles of the subject property. Therefore, these

ten sites are not viewed as threats to the environmental integrity of the subject property. Although the cleanup standards were not met at the three remaining sites, they are not considered to represent sources of environmental concern relative to the subject property because of their distance and/or hydrogeologic position with respect to the subject property.

Additional research at the NYSDEC Region 9 Office at 270 Michigan Avenue, Buffalo, NY resulted in the identification of an additional spill and a number of previously unidentified USTs west of the subject property, within the future Lafayette Street corridor and the footprint of the Ice Arena development. The information available in the NYSDEC file for Spill No. 9975731 indicates that subsurface petroleum contamination was detected on the Ice Arena development site, which is located immediately west of the subject property. The contamination reportedly extends in a southeasterly direction across the Ice Arena site, and appears to have originated from the gasoline service station (Stan's BP) formerly located at 311 West 3rd Street (See Section 5.2.6), as well as a number of USTs discovered during Ice Arena construction. According to the NYSDEC file, groundwater flow direction across the Ice Arena development site is to the southwest. Therefore, the migration of subsurface petroleum contamination from the adjacent Ice Arena development site onto the subject property has been identified as a potential environmental concern.

5.2.8 FOIL Request

FOIL requests were sent to the NYSDEC. The request to the NYSDEC was for information on any current or past environmental violations associated with the property and surrounding properties, the registration of any USTs/ASTs and the generation, treatment, storage, or disposal of hazardous wastes. Appendix E contains the FOIL requests and correspondence received, to date, if any. Additional correspondence from the NYSDEC will be forwarded upon receipt.

6.0 SITE RECONNAISSANCE AND INTERVIEWS

This section presents general observations identified during the site reconnaissance of the subject property conducted by personnel from TVGA on October 23, 2001. Additionally, specific observations relative to the presence or absence of recognized environmental conditions and/or other areas of potential environmental concern are provided herein. Lastly, information obtained as a result of interviews is described in this section.

6.1 Site Reconnaissance

6.1.1 Site Visit

The site is located in the commercial district of the city of Jamestown. The site is bounded on the north by West Third Street, on the east by Washington Street, on the

south by West Second Street, and on the west by Rose Alley and the Jamestown Ice Arena project, which is currently under construction. There are sidewalks that run along West Third Street, Washington Street and West Second Street. Catch basins are located on West Third Street near the intersection of Washington Street and on Washington Street near the intersection of West Second Street. Rose Alley runs from West Second Street to West Third Street. There is a sewer manhole located in the center of Rose Alley along side of Mattia's Restaurant. There are two electric utility poles that each have three transformers on the subject property. They are identified as BPU 4-1 and BPU 4-1B.

The subject property consists of 0.98 acres and is occupied by two commercial buildings and paved parking areas. There is a single story concrete block structure constructed in 1969 that is currently occupied by the Donut Connection on the east side of the subject property. There is parking available on the west, south and north sides of the building. There is also a drive through window located on the south side of the building. There is a dumpster and a steel drum for grease located outside, on the west side of the building. The gas meters and parking areas are located along the north side of the building.

The Owner of the Donut Connection, Toni Plaskon leases the building. Ms. Plaskon denied access to the interior of the building for a site inspection for this Phase I ESA. Only the areas that would normally be viewed by the public were accessible. The interior of the Donut Connection is well kept. The floors appear to be ceramic tiled and the walls have various surface treatments. The main entrance is located on the north side of the building and the food preparation area is located on the west end of the building. There is limited seating capacity due to the nature of the business.

There is also a three story brick structure constructed in 1892 that is located on the north side of the subject property. The owner of the building operates Mattia's Restaurant on a portion of the ground floor. The upper two stories of the building are used for apartments and are only partially occupied. Remote water meter readers are located on the north or front side of the building. There is a dumpster and a grease box also located at the south or rear of the building. The gas meters, air conditioning equipment and limited parking space are located along the south side of the building.

The Owner of Mattia's, Mattia (Tony) Meile, denied access to the interior of the building for a site inspection for this Phase I ESA. Only the areas that would normally be viewed by the public were accessible. The interior of Mattia's Restaurant is neat and clean and is typical of a small restaurant. The walls are stucco and the floor appears to be ceramic tile. The kitchen area is located in the southern portion of the building.

The southern portion of the subject property is a parking lot with metered spaces for City of Jamestown parking. There is evidence of stained asphalt pavement in some, but not all of the parking areas. Most of the asphalt is in good condition. There are a few areas that are cracked and weathered. There is also a small amount of grass and weeds that are growing in these weathered areas. Vehicles owned by construction workers who are currently working on the Ice Arena project occupied many of the parking areas.

A portion of the west side of the subject property is currently enclosed in a security fence and is occupied by a construction trailer that is associated with the Ice Arena construction project.

Photographs taken during the site visit are included as Appendix F. An ESA Site Inspection Checklist was completed during the site visit and is included as Appendix G.

6.1.2 Pits, Ponds, Lagoons

The examination of the subject property did not identify pits, ponds, or lagoons at the time of the site visit.

6.1.3 Pools of Liquid

During the examination of the subject property, small pools of rain water were identified on the pavement. No sheen's or phase separation in the puddles was identified at the time of the site visit.

6.1.4 Stained Soils and Surfaces

There were no bare or stained soils observed on the subject property. Stained asphalt pavement surfaces were identified in some but not all of the parking areas during the site visit, as described in Section 6.1.1. This staining is attributed to the incidental leakage of automobile fluids from vehicles parked in these areas, and did not appear to be indicative of a significant chemical or petroleum release.

6.1.5 Stressed Vegetation

No stressed vegetation was identified during the examination of the subject property. A small amount of grass and weeds were identified in some but not all of the parking areas during the site visit, as described in Section 6.1.1.

6.1.6 Strong or Noxious Odors

Odors characterized as strong or noxious were not detected during the site visit.

6.1.7 Drains or Sumps

There was no evidence of drains or sumps observed during the site inspection. The inspection of both building interiors was limited to areas that are normally accessible to the general public during the normal course of business. The basement of Mattia's and kitchen areas of both buildings were not inspected.

6.1.8 Indications of Solid Waste Disposal

Indications of solid waste disposal were not identified during the site visit.

6.1.9 Unidentified Substance Containers

Drums, barrels, cans or other containers, which may contain hazardous substances or hazardous materials, were not identified at the time of the site visit. Unlabeled containers of used cooking oil and grease were identified at the rear of both structures.

6.1.10 Hazardous Waste, Hazardous Substances, and Hazardous Materials

Hazardous waste, hazardous substances, and hazardous materials were not identified on the subject property during the site visit.

6.1.11 Storage Tanks (UST, AST)

No evidence of underground storage tanks (UST) on the subject property was identified during the site visit. No other indications of USTs or ASTs having been on the property were identified during the site visit, interviews or records review.

The existence of a previously unknown UST on an adjacent property had been disclosed during an interview with the City DPW Director, as described in section 5.1.5. A subsequent visit to the property located at 212 West Second Street confirmed the location of the previous excavation in the sidewalk located along the north side of West Second Street, just west of the intersection with Rose Alley. Based upon the undefined condition of this UST and surrounding soils, and its position with respect to the subject property, this UST is viewed as a potential threat to the environmental integrity of the subject property.

6.1.12 Indications of PCBs

The examination of the subject property did not identify electrical equipment that may contain polychlorinated biphenyls (PCBs).

6.1.13 Wastewater Disposal

Wastewater generation from employee and public sanitary uses is conveyed to the City of Jamestown Board of Public Utilities wastewater collection and treatment system.

6.1.14 Lead Based Building Materials

Painted surfaces in accessible areas of both buildings were in good condition. However, since construction of the structures predates 1979, painted surfaces may contain lead-based paint.

6.1.15 Asbestos Containing Building Materials

The inspection of limited areas of the on site structures did not reveal the presence of presumed asbestos containing materials, such as ceiling tiles or floor tiles. Due to the age of both buildings, it is possible that asbestos containing materials (ACM) are present in some form.

6.2 Interviews

6.2.1 Property Owner/Occupant

The owner of the subject property, Mr. Mattia (Tony) Miele, and restaurant owner/lessee Ms. Toni Plaskon were interviewed by telephone as part of the Phase I ESA. This information is included as Appendix E. Neither Mr. Miele or Ms. Plaskon indicated any knowledge of any recognized environmental concerns

6.2.2 Adjacent Property Owner/Occupant

Adjoining property owners were not available for interviews at the time of the site visit.

7.0 FINDINGS AND CONCLUSIONS

A Phase I Environmental Site Assessment (ESA) was completed for the property identified as the Downtown West End Development Site, located in the City of Jamestown, in the Town of Ellicott, Chautauqua County, New York. This section provides a summary of the Phase I ESA findings and conclusions relating to recognized environmental conditions.

7.1 Summary of Findings

- The subject property, consists of a total of eight parcels in part or whole that make an irregular shaped parcel which has approximately 195' of frontage on West Third Street and 250' of frontage on Washington Street. There are two commercial buildings on-site, a 1,600 ft² concrete block building and a 8,600 ft² brick building. Rose Alley runs from West Second Street to West Third Street across the subject property. There is also a private alley the runs from Rose Alley eastward to Washington Street.
- Historic atlases of the Jamestown area indicate that the subject property was a residential area in the 1860s. These residential structures were either demolished or converted into commercial buildings in the early 1900s.
- Historic fire insurance maps and street directories indicate that there were several commercial buildings on the site that were demolished before 1970. There was a three story commercial building that operated as a market and later as a drug

wholesaler located in the southeast corner of the subject property at 200-204 West Second Street. There was a multistory commercial building identified as the Professional Building that contained restaurants and shops located in the northeast corner of the subject property at 201-207 West Third Street. There also was a multistory building that contained stores and restaurants at 209-215 West Third Street on the north side of the site. All of the above noted structures had upstairs apartments and furnished rooms. Demolition of single story commercial building with a basement located at 221-223 West Third Street occurred after 2000.

- Historic Fire insurance maps also indicate the existence of a welding works and an auto tire vulcanizing shop north of the private alley and a garage along the west side of Rose Alley.
- Historic street directories indicate there were several cleaners and dry cleaning businesses that occupied various addresses within the subject property. Deluxe Dry Cleaners was listed at 215 ½ Washington Street in 1960 and again as Deluxe Hatters and Cleaners in 1950. Thomas cleaning was listed at 219 ½ Washington Street in the 1940 directory.
- There is an existing three story brick structure constructed in 1924 with a basement located adjacent to the subject property at 212-216 West Second Street. The building currently houses a small barber shop and a concert club known as Shawbuck's. Historic street directories and fire insurance maps indicate the building contained the Journal Press from the 1930s until 1990. Fire insurance map data indicates that the basement was used for storage, first and second floors were used for printing, and the third floor was a bindery.
- A review of standard local, state, and federal record sources relating to the presence or occurrence of facilities or spill sites involving solid and/or hazardous wastes and petroleum products was completed by Ecosearch. The record source review did not indicate the presence of any such sites on the subject property.
- State record sources indicate the presence of subsurface petroleum contamination on the Ice Arena development site situated immediately to the west of the subject property. Data from this site, which has not been fully remediated, indicates the potential for contaminant migration onto the subject property.
- State record sources indicate the presence of a gasoline service station less than 0.2-miles to the north of the subject property. According to the PBS registry, the station reportedly contains a number of old inactive tanks that have not been closed. Additionally, the station is listed as an LST site as a result of a tank failure, the file for which indicated that cleanup standards had not been met. This site is located up-gradient from the subject property based upon inferred

groundwater flow direction, and has been identified as a potential concern relative to the subject property.

- State and Federal record sources indicate the presence or occurrence of a number of additional off-site facilities and/or sites involving hazardous waste and petroleum products within a 0.5-mile radius of the subject property. However, none of these sites are considered to pose a threat to the environmental integrity of the subject property based upon their location relative to the subject property and/or their current regulatory status.
- Information obtained from interviews indicated the recent discovery of an abandoned UST on an adjacent property, located below the sidewalk near the southeast corner of the Shawbuck's building at 212 West Second Street. The UST is believed to be an inactive fuel oil tank, and based upon its proximity to the subject property and undefined condition, has been identified as a potential concern.
- No indications of the storage, handling or disposal of petroleum products, other chemicals, or of hazardous waste disposal were encountered during the site inspection.
- Building construction of both existing structures predates 1979, therefore painted surfaces may contain lead-based paint.
- Due to the age of both buildings, it is likely that asbestos containing materials (ACM) are present in some form.

7.2 Conclusions

7.2.1 Recognized Environmental Conditions

A Phase I Environmental Site Assessment has been performed in conformance with the scope and limitations of ASTM Practice E 1527-00 for the property identified as the Downtown West End Development Site, City of Jamestown, Town of Ellicott, Chautauqua County, New York. Any exceptions to, or deletions from this practice, are described earlier in this report. This assessment has revealed the following evidence of recognized environmental conditions in connection with the property:

- The historical use of portions of the subject property for commercial purposes, which included dry cleaning, welding, and automobile tire repair, indicates the potential for past discharges of petroleum, solvents, and other chemicals into structures formerly present on the property, and/or into the ground or subsurface of the property.

-
- The demolition of several large structures formerly present on the subject property indicates the potential presence of buried construction and demolition debris and contaminated fill materials on the subject property.
 - The position of a portion of the subject property adjacent to, and hydrologically down-gradient of, the Ice Arena development site, where subsurface petroleum contamination has been documented, indicates the potential for contaminant migration from the Ice Arena site onto the subject property.
 - The presence of a recently discovered, abandoned UST of unknown size and condition on an adjoining property, 212 West Second Street, indicates the potential for the migration of subsurface petroleum contamination onto the subject property.
 - The presence of a gas station site, which reportedly contains numerous old inactive USTs and which experienced a tank failure that was not cleaned up per applicable standards, located less than 0.2-miles hydrologically up-gradient from the subject property indicates the potential for the migration of subsurface petroleum contamination from the gas station site onto the subject property.

7.2.2 Other Potential Areas of Environmental Concern

Since the construction of both on-site buildings predates 1979, painted surfaces may contain lead-based paint. Additionally, due to the age of the buildings it is likely that asbestos containing materials (ACM) are present in some form.

8.0 LIMITATIONS

The conclusions presented in this report are based on information gathered in accordance with the Scope of Services defined in Section 2.0 of the report using generally accepted professional consulting principles and practices. All conclusions reflect observable conditions existing at the time of the site inspection. Information provided by outside sources (individuals, agencies, laboratories, etc.), as cited herein, was used in the assessment of the site. The accuracy of the conclusions drawn from this assessment is, therefore, dependent upon the accuracy of information provided by these sources. Furthermore, TVGA is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to the performance of services.

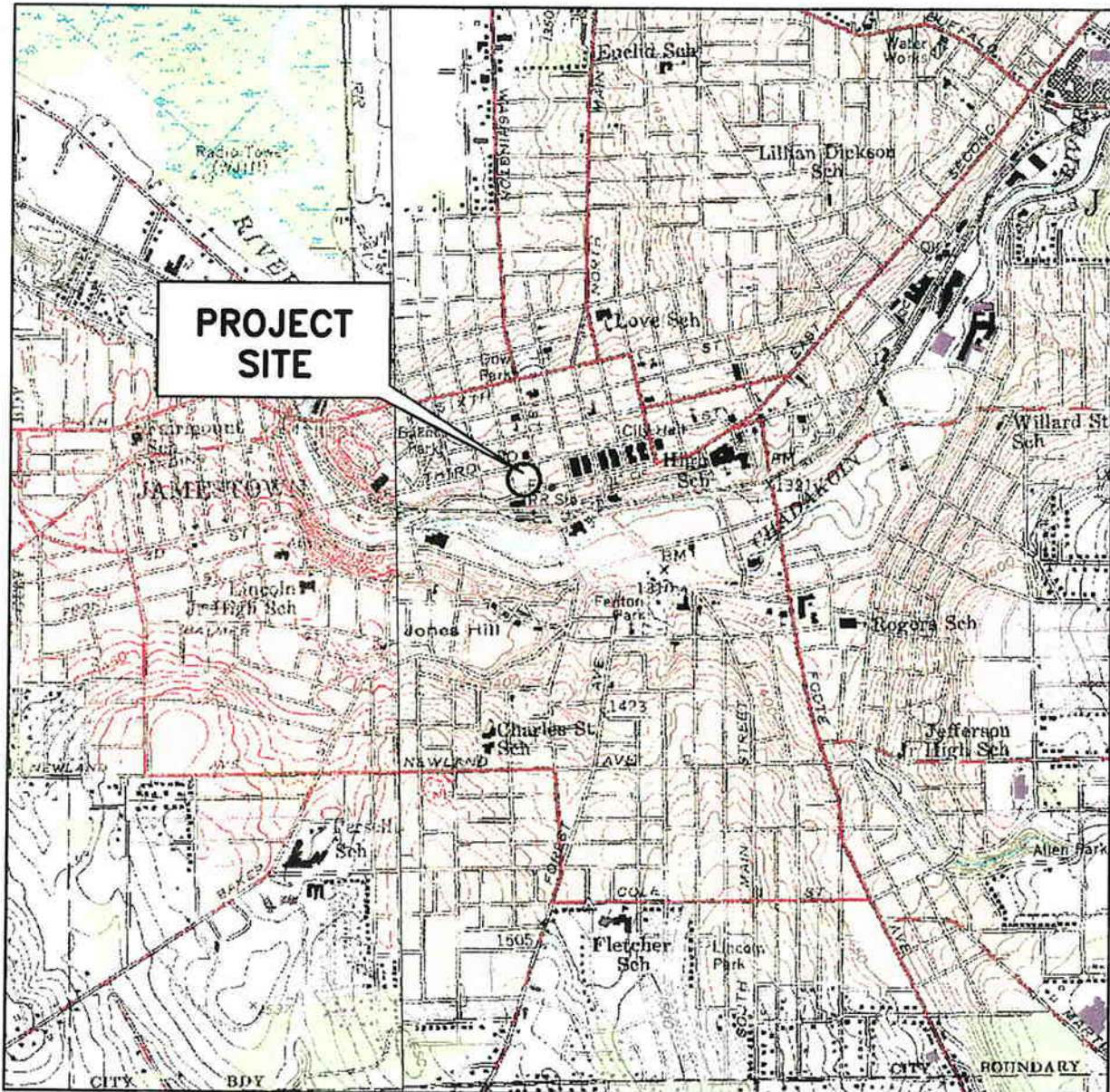
This report is based upon the application of scientific principles and professional judgement to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based upon the facts currently available within the limits of the existing data, scope of services, budget, and schedule. To the extent that more definitive conclusions are desired by the Client than are warranted by the current available facts, it is specifically TVGA's intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action except where explicitly stated as such. TVGA makes no warranties, expressed or implied including without limitation, and warranties as to merchantability or fitness of

a particular purpose. Furthermore, the information provided in this report is not to be construed as legal advice.

This assessment and report have been completed and prepared on behalf of and for the exclusive use of the Jamestown Urban Renewal Agency. Any reliance on this report by a third party is at such party's sole risk. Furthermore, nothing contained in this report shall be construed as a warranty or affirmation by TVGA that the subject property described in the report are suitable collateral for any loan or that acquisition of such property by any lender through foreclosure proceedings or otherwise will pose no risk of potential environmental liability on the part of such lender.

FIGURE 1

PROJECT LOCATION MAP



BASE MAP ADAPTED FROM
U.S. GEOLOGICAL SURVEY
ELLERY/JAMESTOWN, N.Y. QUADRANGLE

USGS TOPOGRAPHIC MAP



TVGA ENGINEERING, SURVEYING, P.C.

ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS
One Thousand Maple Road, P.O. Box H(716) 655-8842
Elma, NY 14059-0264 Fax: (716) 655-0937

DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA CO., NEW YORK 14701

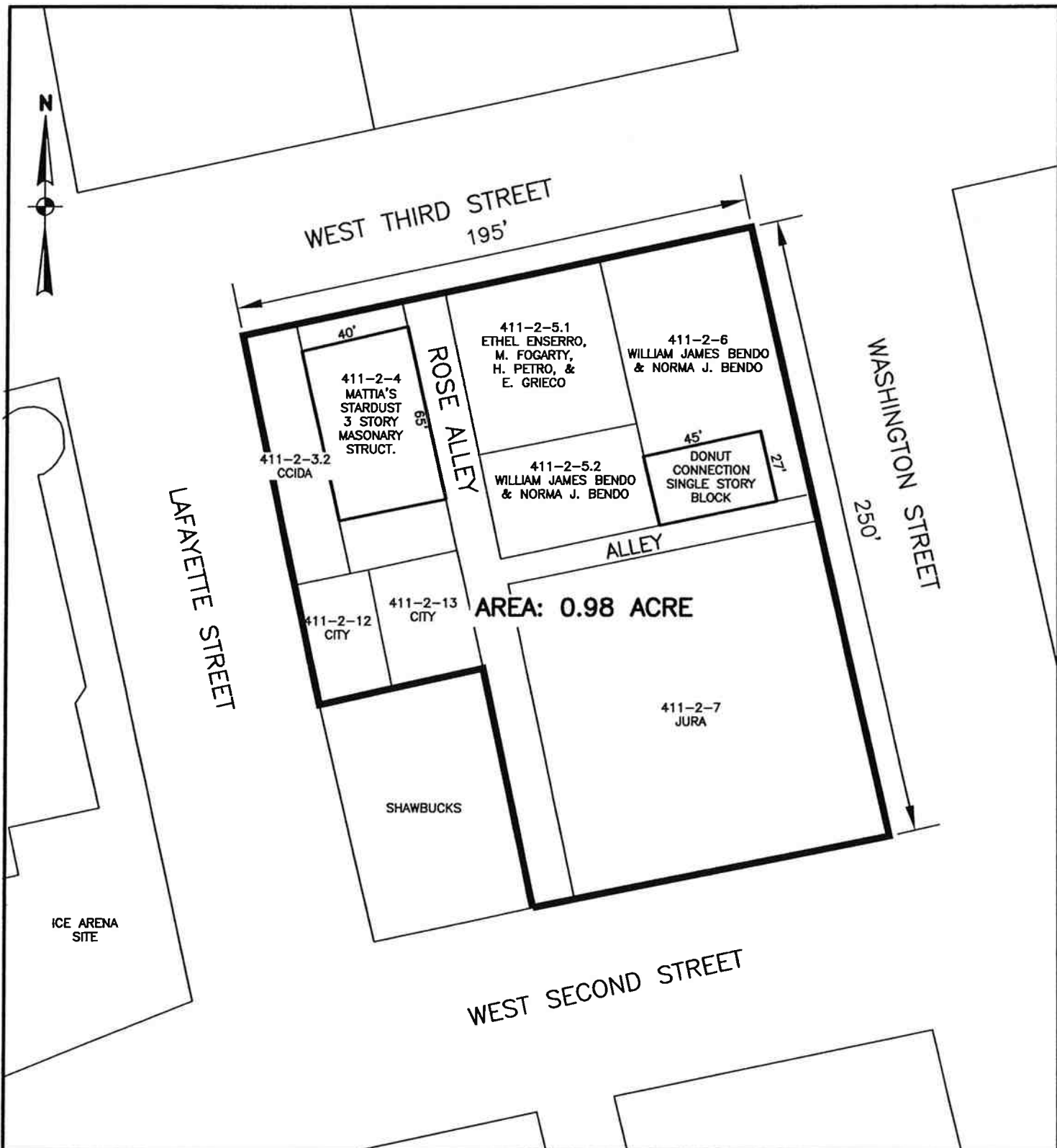
PROJECT NO.
001109201

SCALE: 1"=2000'

DATE: OCTOBER 2001

FIGURE NO. 1

FIGURE 2
EXISTING CONDITIONS



EXISTING CONDITIONS



TVGA ENGINEERING, SURVEYING, P.C.
 ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS
 One Thousand Maple Road, P.O. Box H(716) 655-8842
 Elma, NY 14059-0264 Fax (716) 655-0937

**DOWNTOWN WEST END
 DEVELOPMENT SITE
 CITY OF JAMESTOWN
 CHAUTAUQUA CO., NEW YORK 14701**

PROJECT NO.
001109201

SCALE: 1"=50'

DATE: OCTOBER 2001

FIGURE NO. 2

APPENDIX A

COMPLIANCE CHECKLIST



ENGINEERING, SURVEYING, P.C.

Checklist for Compliance with ASTM E 1527-97
Phase I - Environmental Site Assessment

Report Identification: WEST END DEVELOPMENT SITE
CITY OF JAMESTOWN
Report Number: 001109201
Client: CITY OF JAMESTOWN - JURA
Personnel Conducting: DAVID L. MCG
Personnel Reviewing: _____
This Form Prepared By: David L. McG
Signature: [Signature]
Date: 10/29/01

I. Mandatory Records Review:

| Reviewed? | Reason for not Reviewing (A-D) | Standard Environmental Record Sources | Minimum Search Distance | Date Last Updated | Within 90 Days |
|-----------|--------------------------------------|---|-------------------------------|----------------------|----------------------|
| Yes | | Federal NPL | 1.0 mile | 10/11/01 | yes no |
| Yes | | Federal CERCLIS | 0.5 mile | 10/11/01 | yes no |
| Yes | | Federal RCRA TSD | 1.0 mile | 10/11/01 | yes no |
| Yes | | Federal RCRA Generators | property and adjoining | 10/11/01 | yes no |
| Yes | | Federal ERNS List | property only | 10/11/01 | yes no |
| Yes | | State Hazardous Waste Sites | 1.0 mile | 10/8/01 | yes no |
| Yes | | State Landfill and/or Solid Waste Sites | 0.5 mile | 10/8/01 | yes no |
| Yes | | State LUST LST | 0.5 mile | 10/29/01 | yes no |
| Yes | | State RUST PBS | property and adjoining | 10/8/01 | yes no |

* not reasonably ascertainable

= not publicly available

= not obtainable within reasonable time and costs

= not practically reviewable

II. Historical Use Information:

| | YES | NO | REASON FOR NOT REVIEWING |
|---|-------------------------------------|-------------------------------------|-----------------------------|
| Past Uses of Site to First Developed Use or to 1940 Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Past Uses of Adjoining Sites Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Aerial Photographs Reviewed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Agencies Visited Listed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Land Title Records Reviewed | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>C</u> |
| Environmental Liens Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>N/A</u> |
| Building Department Records Reviewed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Property Tax Files Reviewed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Local Street Directories Reviewed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Fire Insurance Maps Reviewed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

A = not reasonably ascertainable

B = not publicly available

C = not obtainable within reasonable time and costs

D = not practically reviewable

III. Site Reconnaissance

| | YES | NO |
|--|-------------------------------------|--------------------------|
| Site Visit Completed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Limitations Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Methodology Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Occupants Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Property Use Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Current Uses of Adjoining Sites Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| USGS Physical Setting Source | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Topographic Conditions Described | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| Exterior Conditions: | YES | NO | REFER TO SECTION |
|---|-------------------------------------|-------------------------------------|------------------|
| Pits, Ponds, Lagoons Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.12</u> |
| Pools of Liquid Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.13</u> |
| Stained Soil or Pavement Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.14</u> |
| Stressed Vegetation Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.15</u> |
| Solid Waste Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.16</u> |
| Waste Water Destination Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.13</u> |
| Sewage Disposal System Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>6.13</u> |
| Active or Dry Wells Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.17</u> |
| Septic System Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.13</u> |
| PCB Containing Transformers Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.12</u> |
| Fill Dirt Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>7.2.1</u> |
| Construction and Demolition Debris Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>7.2.1</u> |
| Strong and/or Noxious Odors Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.16</u> |

| Interior/Exterior Conditions: | YES | NO | REFER TO SECTION |
|---|-------------------------------------|-------------------------------------|-------------------|
| Asbestos/ACM Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>6.1.15</u> |
| Hazardous Substances Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.10</u> |
| Hazardous Waste Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.10</u> |
| Hazardous Materials Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.10</u> |
| Unidentified Substance Containers Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.9</u> |
| Hazardous Substance and Petroleum Products Containers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.9</u> |
| MSDS Sheets Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>N/A</u> |
| Drums Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>6.1.9</u> |
| Solvents Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u> </u> |
| Petroleum Products Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u> </u> |
| Heating/Cooling Fuel Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Appendix E</u> |
| Stains or Corrosion Identified | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.14</u> |
| Drains and Sumps Present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.17</u> |
| PCB Containing Equipment | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>6.1.12</u> |
| Potable Water Supply | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Appendix E</u> |

IV. Interviews

YES NO

| | | |
|--|-------------------------------------|---|
| User Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Specialized Knowledge from User Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Key Site Manager Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Occupants Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Transaction Questionnaire Completed | <input type="checkbox"/> | <input checked="" type="checkbox"/> N/A |
| Local Fire Department Official Contacted | <input type="checkbox"/> | <input type="checkbox"/> |
| Local/State Health Agency Official Contacted | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Local/State Environmental Agency having Hazardous Waste Disposal Information Contacted | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

V. Report

YES NO

| | | |
|--|-------------------------------------|--------------------------|
| Report Preparer is Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Qualifications of Environmental Professional is Identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Report Contains a Findings and Conclusions Section | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Report States if Recognized Environmental Conditions Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Report Contains Environmental Professionals Opinions Regarding the Impact of any Recognized Environmental Conditions | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Report Contains all Deletions and Deviations from ASTM E1527-94 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Report is Signed by Environmental Professionals | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

APPENDIX B

ECOSEARCH REPORT

EcoSearch Environmental Resources, Inc.

8606 Allisonville Road, Suite 300
Indianapolis, Indiana 46250
ph: (317) 577-9797 fax: (317) 577-9191

EcoSearch

Government Records Search

| | |
|---------------------------------|--|
| Type of Report: | Priority Risk Report |
| Site Location: | West End Development Site West Third & Washinton Streets Jamestown, NY 14701 |
| Date: | October 5, 2001 |
| Report ID Number: | 2617-2801 |
| Especially Prepared For: | Mr. Bill Czelusta TVGA Engineering |
| PO / Project #: | 5997 001103303 |

Limits of Information:

Customer proceeds at its own risk in choosing to rely on EcoSearch Environmental Resources, Inc. ("EcoSearch") services, in whole or in part, prior to proceeding with any transaction. EcoSearch cannot be an insurer of the accuracy of the information, errors occurring in the conversion of data, or for customer's use of the data. EcoSearch and its affiliated companies, officers, agents, employees, and independent contractors cannot be held liable for accuracy, storage, delivery, loss, or expense suffered by the customer resulting directly or indirectly from any information provided by EcoSearch Environmental Resources, Inc.

Thank you for choosing EcoSearch.

Introduction

We want to thank you for your order requesting the enclosed site assessment.

EcoSearch makes every effort possible to combine the most accurate environmental data available into an understandable and easy-to-use format.

While every attempt has been made to ensure accuracy of the information presented, we cannot guarantee the accuracy of the data from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

If any concerns arise from your review of the databases in this report, please call the appropriate agency involved. As a service, we have included phone numbers in the database description section of this report to help you in your evaluation.

The enclosed maps present a working approximation of the location of surrounding environmental sites based primarily on available accurate site addresses. These maps should not be used for purposes more correctly handled by surveys.

EcoSearch is driven by its mission to present the most responsive, technically sound, and cost-effective environmental data services available to our customer.

Read Me First

The following suggestions are offered in an attempt to help you in using and understanding this site assessment from EcoSearch:

1. Skim over the entire report to familiarize yourself with its contents and layout.
2. You will notice that the information is presented following this general concept: we begin by giving sections that summarize data and then give detailed information about these summaries as you proceed further into the report.
3. Then refer to the section titled "Statistical Overview". You will need to take a moment to read the column headings and the data below them. Also, as you go down the first column (left side) you will probably need to look back at the preceeding section titled "Database Descriptions". Please pay particular attention to the radii searched as they vary according to the database. These are ASTM standards that we meet and exceed. Your site's datum is the third, shaded column. Also, the next column showing database hits within the first radius is important as it will include data about adjoining properties. The unmappable sites have their own section with a cover page explaining them.
4. The next section titled "Maps" is important as it gives a very clear visual presentation of the site, and which database(s) are at the site itself or within the study radii.
5. The site summary page(s) tells you by map ID# which database is at that location as well as the site's name and distance/direction from your study site. You will notice that the numbering corresponds to the distance from the subject site-- eg. #1 is your site itself or the site closest to it, #2 is further away. This continues until all database hits have been summarized within the largest study radius. Your report may extend further than one mile if you asked us to extend the radii.
6. As you will recall our format goes from summary-type pages to detailed information. Therefore, the next section is "Detailed Data". Here extensive data is given about each database hit. The map ID#, distance, and direction are in the top left corner. Further data follows.
7. The "Unmappable" section was referred to earlier. In this summary you will find those sites. Please read the cover page as it describes unmappable sites and our efforts to minimize and/or eliminate them from all of our site assessments.
8. The last section -- "Glossary/Acronyms" is self-explanatory and often helpful to our customers.

If you would like further help in understanding our reports please refer to the frequently asked questions list on our web site or call as our intention is to have this report helpful to you.

Database Descriptions -- Federal Databases

NPL

National Priorities List

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(703) 603-8881

Data Date: May 14, 2001
Release Date: May 14, 2001
Active Date: June 22, 2001
Last Contact Date: October 11, 2001

The NPL is a subset of the CERCLIS and lists over 1,150 of the nation's most dangerous sites of uncontrolled or hazardous waste which require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

CERCLA (Active)

Comprehensive Environmental Response, Compensation, and Liability Information System (Active)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
1-800-775-5037

Data Date: May 14, 2001
Release Date: May 14, 2001
Active Date: June 22, 2001
Last Contact Date: October 11, 2001

CERCLIS maintains information on over 15,000 sites nationally identified as hazardous or potentially hazardous which may require action. These sites are currently being investigated or an investigation has been completed regarding the release of hazardous substances. The most serious of this list as ranked by the hazardous ranking system are transferred to the NPL.

CERCLA (NFRAP Archive)

Comprehensive Environmental Response, Compensation, and Liability Information System (NFRAP Archive)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
1-800-775-5037

Data Date: May 14, 2001
Release Date: May 14, 2001
Active Date: June 22, 2001
Last Contact Date: October 11, 2001

For more complete information purposes we include sites which have been reclassified as No Further Remedial Action Planned (NFRAP) by the EPA. This action was taken by the EPA beginning February 1995 as a part of the Brownfields Redevelopment Program. These former CERCLIS sites, also known as the CERCLIS Archive, have been delisted because a lack of significant contamination was found.

RCRA TSD

Resource Conservation and Recovery Information System -- Treatment, Storage, and Disposal Facilities

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: June 15, 2000
Release Date: June 15, 2000
Active Date: June 18, 2001
Last Contact Date: October 11, 2001

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The TSD database is a subset of the complete RCRIS file which includes facilities which treat, store, dispose, or incinerate hazardous waste. Additionally, compliance and corrective action (CORRACTS) information is included.

RCRA Generator

Resource Conservation and Recovery Information System - Large and Small Quantity Generators, Transporters, and Notifiers

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800-424-9346

Data Date: June 20, 2000
Release Date: June 20, 2000
Active Date: June 19, 2001
Last Contact Date: October 11, 2001

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The generators database is a subset of the complete RCRIS file which includes hazardous waste generators which create more than 100kg of hazardous waste per month or meet other requirements of RCRA. We also include RCRA Notifiers, Transporters, and formerly regulated RCRA Sites for more complete hazardous waste information. Additionally, compliance and corrective action information is included.

RAATS

RCRA Administrative Action Tracking System

US Environmental Protection Agency
Office of Enforcement and Compliance Assurance
(202) 564-4104

Data Date: April 14, 1995
Release Date: Not Available
Active Date: April 17, 1995
Last Contact Date: October 11, 2001

The RCRA Administrative Action Tracking System contains additional information on RCRA enforcement actions. Data includes the type of action, proposed penalty, and final penalty amount. This is a historical database and will not be updated by the source agency. EcoSearch will call once a year to verify historical status.

CORRACTS

Resource Conservation and Recovery Information System -- Corrective Action Sites

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: April 15, 2000
Release Date: April 15, 2000
Active Date: August 7, 2000
Last Contact Date: October 11, 2001

The CORRACTS database includes RCRIS (Resource Conservation and Recovery Information System) sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

ERNS

Emergency Response Notification System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-2342

Data Date: January 1, 2000
Release Date: January 1, 2000
Active Date: March 17, 2000
Last Contact Date: October 11, 2001

ERNS is a national database which contains information on specific notification of releases of oil and hazardous substances into the environment. The system stores data regarding the site of the spill, the material released, and the medium into which it occurred.

PADS

PCB Activity Database System

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-3992

Data Date: November 20, 1999
Release Date: November 20, 1999
Active Date: February 18, 2000
Last Contact Date: October 11, 2001

This database stores information about facilities which handle PCBs and file EPA form 7710-53. It is divided into storage facilities, disposers, generators, and transporters.

TRI

Toxic Release Inventory

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-1531

Data Date: October 1997
Release Date: November 2000
Active Date: March 17, 2000
Last Contact Date: October 11, 2001

TRI contains information from facilities which manufacture, process, or import any of the over 300 listed toxic chemicals which are released directly into air, water, or land or are transported off-site. The database includes facts on amounts of chemicals stored and emitted from the facility. This database is released on an infrequent basis by the US EPA. EcoSearch includes information from 1987 through the 1996 reporting year.

SSTS

Section Seven Tracking System

US Environmental Protection Agency
Office of Prevention, Pesticides, and Toxic Substances
(202) 564-5008

Data Date: July 31, 1998
Release Date: Not Available
Active Date: August 27, 1998
Last Contact Date: October 11, 2001

Formerly FATES, this system tracks the registration of pesticide-producing establishments and tracks the types and amounts of pesticides, active ingredients, and devices which are sold, produced, or distributed annually.

DOCKET

Civil Enforcement Docket

US Environmental Protection Agency
Office of Enforcement
(202) 564-4114

Data Date: September 3, 1998
Release Date: Not Available
Active Date: February 3, 1999
Last Contact Date: October 11, 2001

The Civil Enforcement Docket is information on civil and administrative actions filed by the Department of Justice for the US Environmental Protection Agency. This record has been continually updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

TSCA

Toxic Substances Control Act Inventory

US Environmental Protection Agency

(202) 554-1404

Data Date: May 14, 1986

Release Date: Not Available

Last Contact Date: October 11, 2001

The Toxic Substances Control Act Inventory includes the locations and chemical production information of more than 7000 processors and manufacturers of chemicals. This database is no longer released to the public by the US EPA.

Database Descriptions -- State Databases

IHWS (HWS)

New York Inactive Hazardous Waste Disposal Sites Registry

New York Department of Environmental Conservation
Division of Environmental Remediation
(518) 457-0747

Data Date: May 2000
Release Date: October 2000
Active Date: January 18, 2001
Last Contact Date: October 8, 2001

The New York Inactive Hazardous Waste Disposal Sites Registry contains detailed information on facilities deemed potentially hazardous by the Department of Environmental Conservation.

SWF

New York Solid Waste Facilities List

New York Department of Environmental Conservation
Bureau of Resource Recovery
(518) 457-2051

Data Date: June 30, 2000
Release Date: July 31, 2000
Active Date: August 14, 2000
Last Contact Date: October 8, 2001

The Solid Waste Facilities List is a listing of permitting solid waste landfills and processing facilities located in the State of New York.

LST

New York Leaking Storage Tank Data (Part of the Spills List)

New York Department of Environmental Conservation
Bureau of Spill Prevention and Response
(518) 457-7363

Data Date: July 29, 2001
Release Date: July 29, 2001
Active Date: October 29, 2001
Last Contact Date: October 29, 2001

The New York Leaking Storage Tank Data includes information on reported Leaking Storage tanks in the state of New York which have not yet been remediated or resolved. This information is derived from the larger New York Spills Database.

MOSF

New York Major Oil Storage Facilities List

New York Department of Environmental Conservation
Bureau of Spill Prevention and Response
(518) 457-7363

Data Date: January 2, 2001
Release Date: January 2, 2001
Active Date: March 25, 2001
Last Contact Date: October 8, 2001

The New York Major Oil Storage Facilities database contains information on facilities with petroleum storage capacities exceeding four hundred thousand gallons.

CBS

New York Chemical Bulk Storage Tanks List

New York Department of Environmental Conservation
Bureau of Spill Prevention and Response
518-457-7363

Data Date: April 15, 2001
Release Date: April 15, 2001
Active Date: July 25, 2001
Last Contact Date: October 1, 2001

The New York Chemical Bulk Storage Tanks List contains information on regulated chemical bulk storage tanks in the state of New York

PBS

New York Petroleum Bulk Storage Tank List

New York Department of Environmental Conservation
Bureau of Spill Prevention and Response
(518) 457-4106

Data Date: January 2, 2001
Release Date: January 2, 2001
Active Date: March 23, 2001
Last Contact Date: October 8, 2001

The New York Petroleum Bulk Storage Tank List contains information on Petroleum tanks in the state of New York. In addition, EcoSearch provides local PBS data in the four counties which have been granted a waiver by the New York DEC to administer the registration process. The following counties are involved: Nassau Health Department, Nassau Fire Marshal, Suffolk, Cortland, Rockland and Westchester.

SPILLS

New York Spills List

New York Department of Environmental Conservation
Bureau of Spill Prevention and Response
(518) 457-4106

Data Date: July 29, 2001
Release Date: July 29, 2001
Active Date: October 29, 2001
Last Contact Date: October 29, 2001

The New York Spills List is a listing of reported hazardous material spills in the State of New York.

EcoSearch Statistical Overview

| Property Information | | | | |
|---|-----------|---|------------|-------------|
| West Third & Washinton Streets | | | | |
| Jamestown, NY 14701 | | | | |
| Latitude: | 42.095182 | N | Longitude: | 79.244156 W |

| Search Parameters | |
|-------------------|-----------------------------|
| Report: | Priority Risk Report |
| Radil: | ASTM* |
| Zip Code(s): | 14701 |
| City: | Jamestown |

| FEDERAL DATABASES | Radius (miles) | Mappable Sites | | | | | Unmappable Sites | | |
|------------------------|-------------------|----------------|------|--------------|---------------|---------------|------------------|------|--------|
| | | Total | Site | within 1/4mi | 0.25 - 0.50mi | 0.50 - 1.00mi | Zip Code | City | County |
| NPL | 1.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CERCLA (Active) | 1.000 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| CERCLA (NFRAP Archive) | 1.000 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| RCRA TSD | 1.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA Generator | 0.250 | 11 | 0 | 11 | - | - | 0 | 0 | 0 |
| CORRACTS | 1.000 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| ERNS | 0.250 | 0 | 0 | 0 | - | - | - | - | - |
| PADS | 1.000 | 1 | 0 | 1 | 0 | 0 | 0 | - | - |
| TRI | 0.500 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| SSTS | 1.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOCKET | 1.000 | 5 | 0 | 2 | 1 | 2 | 0 | 0 | 0 |
| TSCA | 1.000 | 0 | 0 | 0 | 0 | 0 | 0 | - | - |

| STATE DATABASES | Radius (miles) | Mappable Sites | | | | | Unmappable Sites | | |
|-----------------|-------------------|----------------|------|--------------|---------------|---------------|------------------|------|--------|
| | | Total | Site | within 1/4mi | 0.25 - 0.50mi | 0.50 - 1.00mi | Zip Code | City | County |
| IHWS (HWS) | 1.000 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| SWF | 1.000 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| LST | 0.500 | 13 | 0 | 2 | 11 | - | 0 | 0 | 0 |
| MOSF | 0.250 | 0 | 0 | 0 | - | - | 0 | 0 | 0 |
| CBS | 0.250 | 0 | 0 | 0 | - | - | 0 | 0 | 0 |
| PBS | 0.250 | 8 | 0 | 8 | - | - | 0 | 0 | 0 |
| SPILLS | 0.500 | 15 | 0 | 2 | 13 | - | 0 | 0 | 0 |

MANUAL GEOCODING:^

For this city/township,

199

sites were manually plotted by EcoSearch.

* This database search and study radii meets or exceeds the ASTM (American Society of Testing and Materials) standards for a government records review. N/A denotes an ASTM-required database which is not available from the state.

^ Manual Geocoding: Plotting environmental site data using paper maps and phone calls to properly place the information on the map.

Accurate street addresses are required for records to be found at the study property.

**EcoSearch
Environmental
Resources, Inc.**

Report ID: **2617-2801**
Date of Report: **October 5, 2001**

Page 9

EcoSearch Statistical Overview

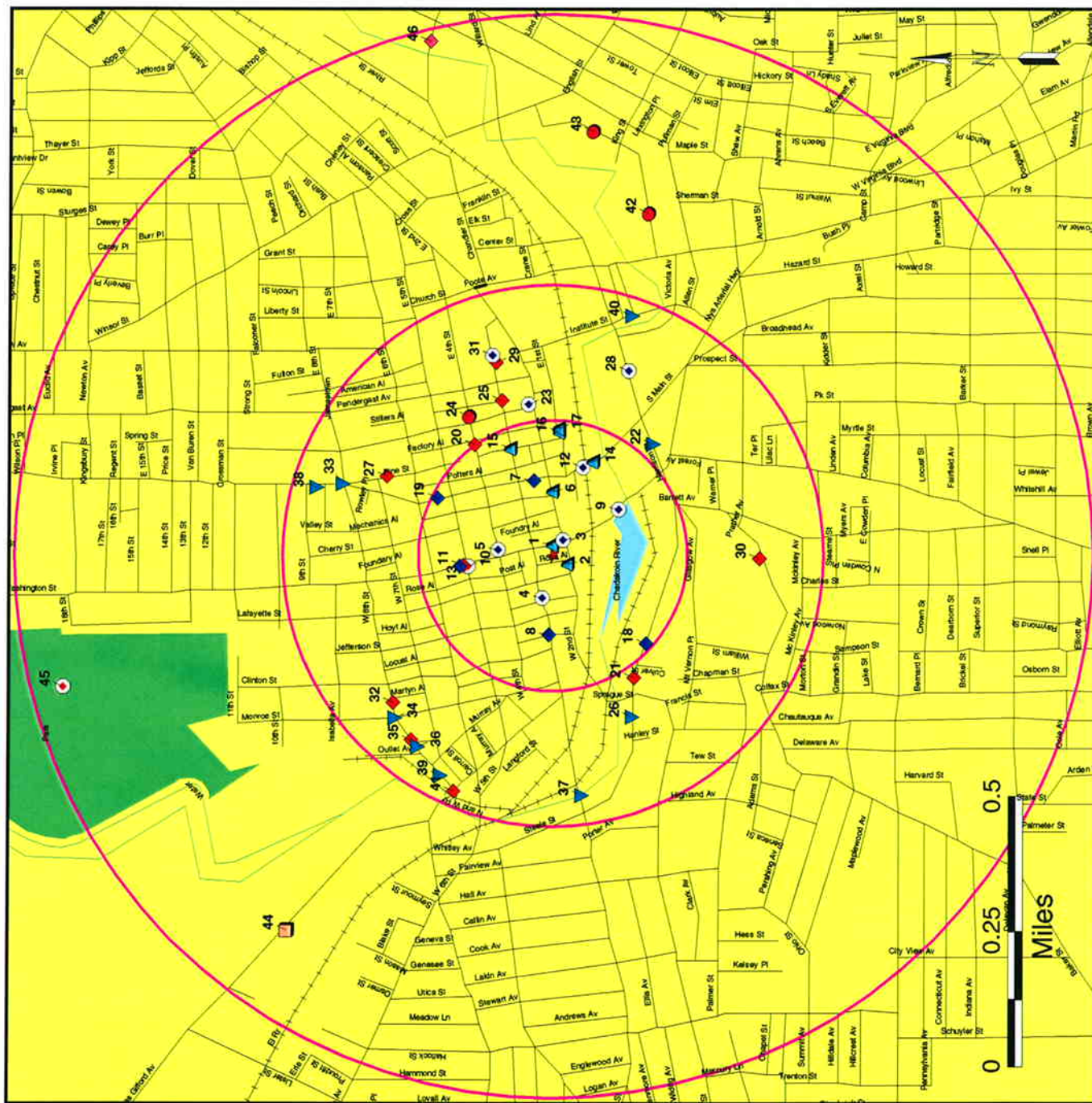
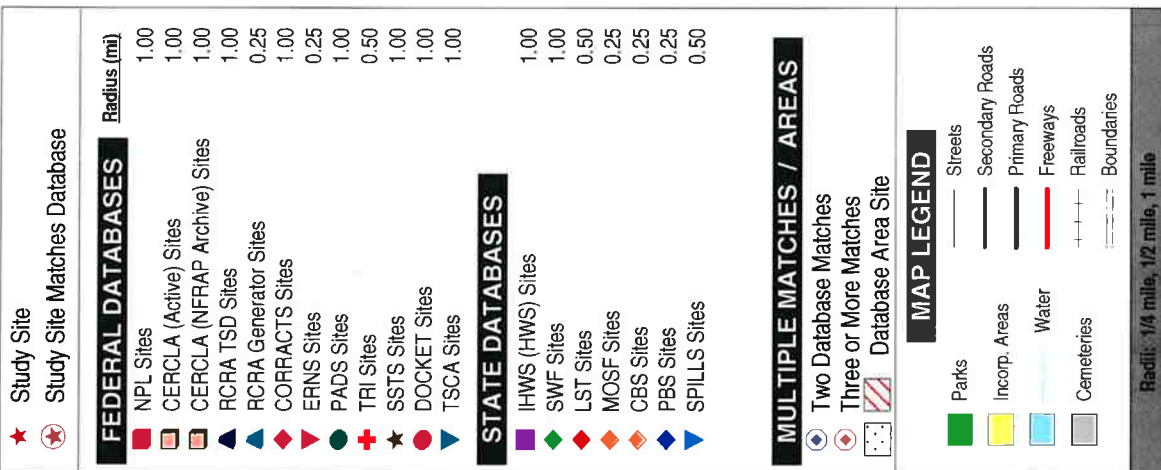
Mappable Sites are environmental sites which were located and appear on the enclosed EcoSearch Map, Site Summary, and Detailed Data sections of the report. These sites are summarized based on proximity to the study site.

Unmappable Sites are governmental records with incomplete or inaccurate address information. These sites could not be located on the street map, but have been searched by the Zip Codes, Cities, and County specified in the search parameters. Further investigation of these sites and their relationship to your study site is necessary.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 2617-2801
 Site: West Third & Washington Streets
 Jamestown, NY 14701



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 2617-2801
 Site: West Third & Washinton Streets
 Jamestown, NY 14701

★ Study Site

★ Study Site Matches Database

FEDERAL DATABASES

| | |
|------------------------------|-------------|
| NPL Sites | Radius (mi) |
| CERCLA (Active) Sites | 1.00 |
| CERCLA (NFRAP Archive) Sites | 1.00 |
| PCRA TSD Sites | 1.00 |
| PCRA Generator Sites | 0.25 |
| CORRACTS Sites | 1.00 |
| ERNS Sites | 0.25 |
| PADS Sites | 1.00 |
| TRI Sites | 0.50 |
| SSTS Sites | 1.00 |
| DOCKET Sites | 1.00 |
| TSCA Sites | 1.00 |

STATE DATABASES

| | |
|------------------|------|
| IHWS (HWS) Sites | 1.00 |
| SWF Sites | 1.00 |
| LST Sites | 0.50 |
| MOSF Sites | 0.25 |
| CBS Sites | 0.25 |
| PBS Sites | 0.25 |
| SPILLS Sites | 0.50 |

MULTIPLE MATCHES / AREAS

Two Database Matches

Three or More Matches

Database Area Site

MAP LEGEND

Parks

Incorp. Areas

Water

Cemeteries

Streets

Secondary Roads

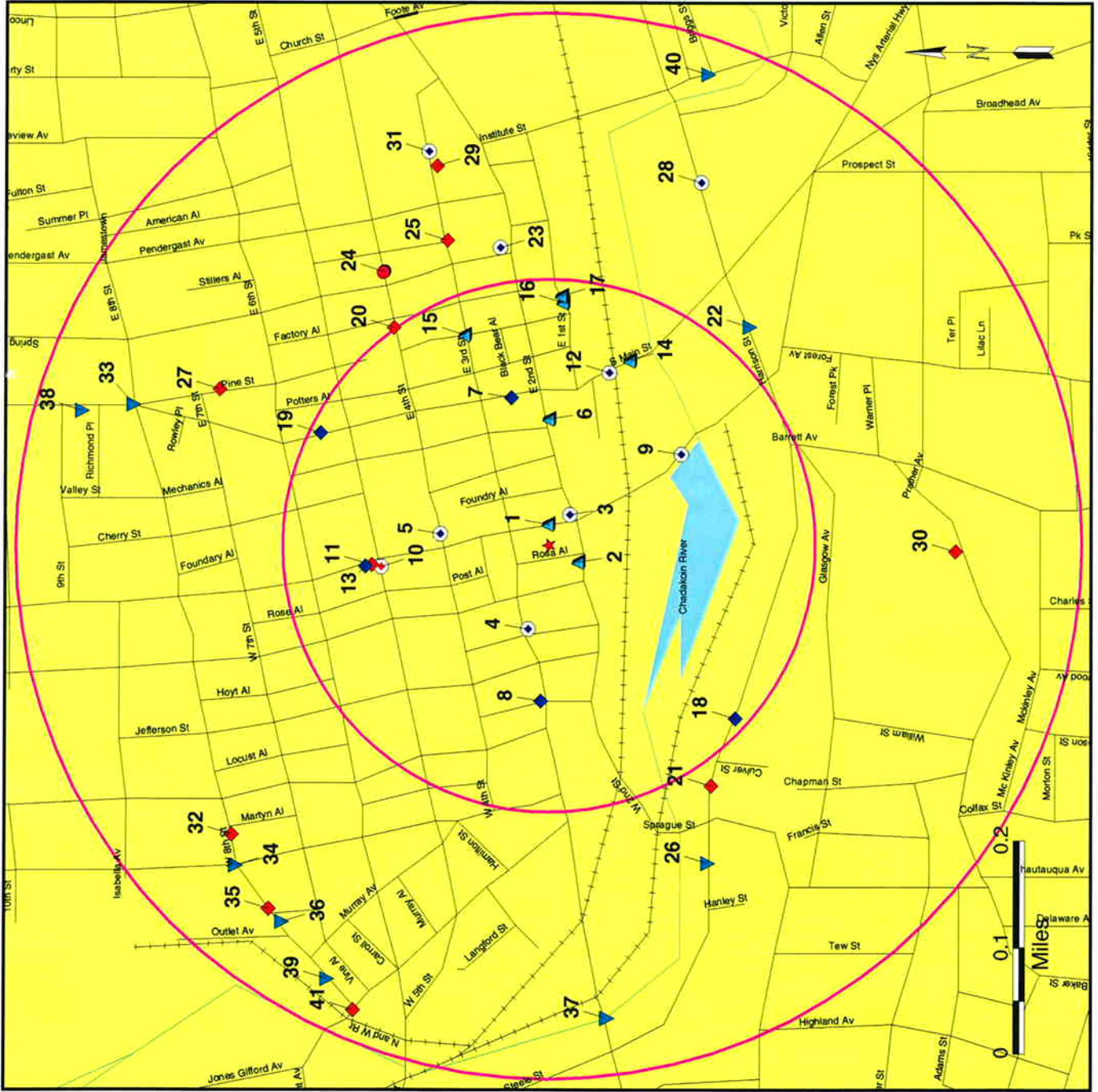
Primary Roads

Freeways

Railroads

Boundaries

Radius: 1/4 mile, 1/2 mile, 1 mile

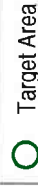


Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

USGS 7.5 Minute Topographical Map

Report ID: 2617-2801
Site: West Third & Washinton Streets
Jamestown, NY 14701



Map Features are Color Coded

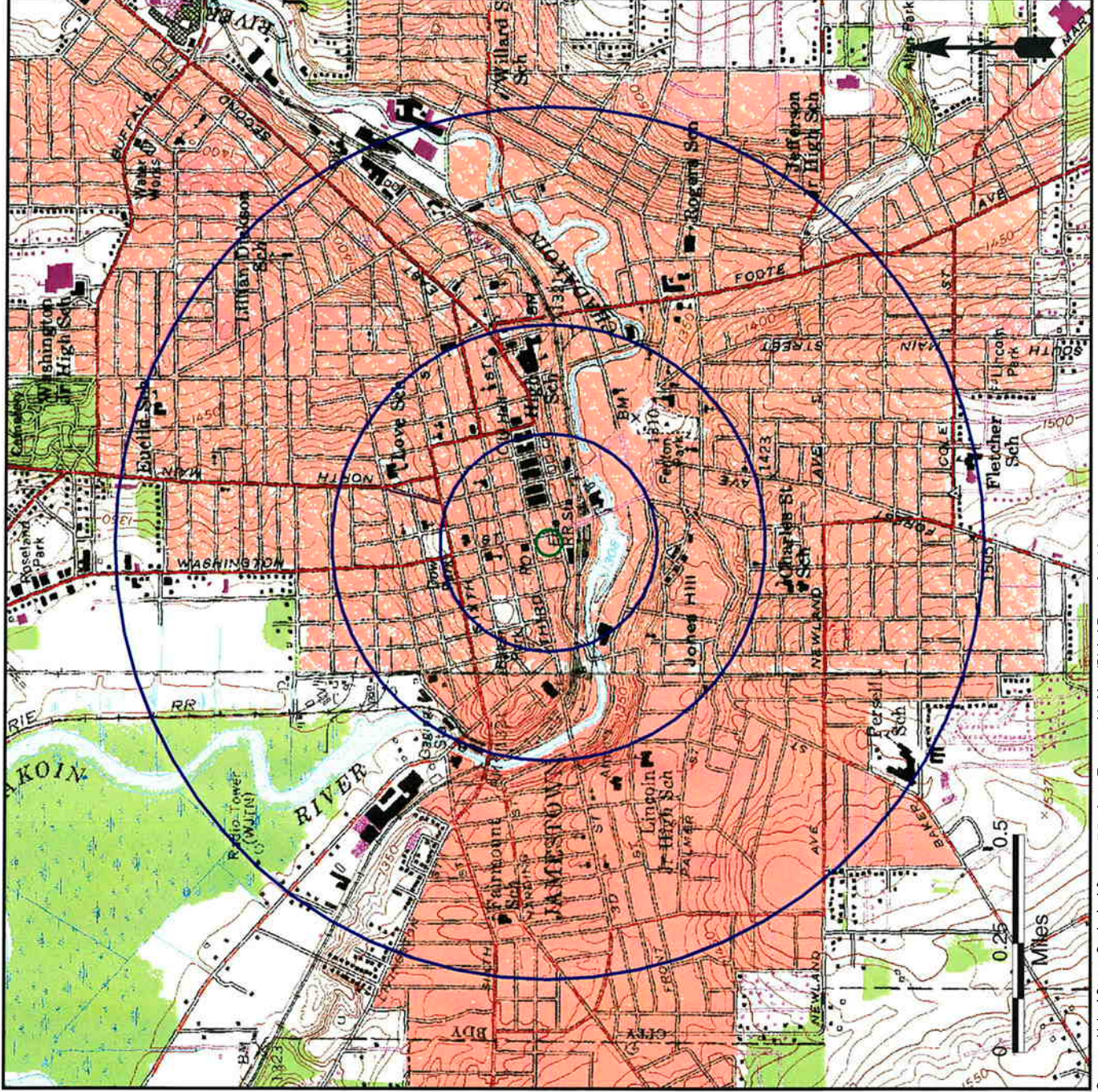
- Black -- Cultural features such as roads and buildings.
- Blue -- Hydrographic features such as lakes and rivers.
- Brown -- Hypsographic (elevation) features shown by contour lines.
- Green -- Woodland cover, scrub, orchards, and vineyards.
- Red -- Important roads and public land survey system.
- Purple -- Features added from aerial photographs during map revision. The changes are not field checked.

A detailed Topographic Map Symbols pamphlet is available from EcoSearch free upon request.

Radii: 0.25 mile, 0.50 mile, 1.00 mile

Topographical Maps:

- Jamestown, NY -- 1954
- Photorevised 1979
- Lakewood, NY -- 1954
- Photorevised 1979



Source: United States Geological Survey, 7.5 minute Topographic Map (Digital Raster Graphics)

Site Summary

| <u>Map ID#</u> | <u>Database / Agency ID#</u> | <u>Site Name, Address, and County</u> | <u>Distance/Direction</u> |
|----------------|---|--|---------------------------|
| 1 | RCRA Generator RCRA Notifier Site NYD986946556 | SHEAS DELUX CLEANERS 214 WASHINGTON ST JAMESTOWN, NY 14701-4920 CHAUTAUQUA | 0.01979 mi E |
| 2 | RCRA Generator RCRA Notifier Site NYD000691196 | CONRAIL JAMESTOWN DIESEL SHOP 211 W 2ND ST JAMESTOWN, NY 14701-4903 CHAUTAUQUA | 0.03226 mi SW |
| 3A | DOCKET Civil Enforcement Docket 02-92-0044A | COPPER RIDGE CO 111 W 2ND ST JAMESTOWN, NY 14701-5207 CHAUTAUQUA | 0.03510 mi ESE |
| 3B | DOCKET Civil Enforcement Docket 02-88-0161A | COPPER RIDGE CO 111 W 2ND ST JAMESTOWN, NY 14701-5207 CHAUTAUQUA | 0.03510 mi ESE |
| 4A | PBS New York Petroleum Bulk Storage Tank 9-125040 | STAN'S BP 311 W 3RD ST JAMESTOWN, NY 14701-4909 CHAUTAUQUA | 0.08073 mi W |
| 4B | SPILLS New York Spills Database Site 9975715 | STAN'S BP 311 W 3RD ST JAMESTOWN, NY 14701-4909 CHAUTAUQUA | 0.08073 mi W |
| 5A | RCRA Generator RCRA Notifier Site NYD055053417 | JAMESTOWN UNIT PARTS 208 W 4TH ST JAMESTOWN, NY 14701-4902 CHAUTAUQUA | 0.10203 mi N |
| 5B | LST New York Leaking Storage Tank 9603853 | WOOLSCHLAGER PROPERTY 208 W 4TH ST JAMESTOWN, NY 14701-4902 CHAUTAUQUA | 0.10203 mi N |
| 6 | RCRA Generator RCRA Transporter NYD986942423 | POST JOURNAL 15 W 2ND ST JAMESTOWN, NY 14701-5215 CHAUTAUQUA | 0.11889 mi E |
| 7 | PBS New York Petroleum Bulk Storage Tank 9-380652 | ANDERSON CLEANERS 317 N MAIN ST JAMESTOWN, NY 14701-5108 CHAUTAUQUA | 0.14291 mi E |
| 8 | PBS New York Petroleum Bulk Storage Tank 9-487880 | YELLOW GOOSE MARKET 406 W 3RD ST JAMESTOWN, NY 14701-4802 CHAUTAUQUA | 0.14627 mi W |
| 9A | PADS PCB Activity Database Site NYD981566342 | WASHINGTON STREET SUBSTATION 101 WASHINGTON ST JAMESTOWN, NY 14701-4917 CHAUTAUQUA | 0.14997 mi SE |
| 9B | RCRA Generator RCRA Notifier Site NYD981566342 | JAMESTOWN BOARD OF PUBLIC UTILITIES 101 WASHINGTON ST JAMESTOWN, NY 14701-4917 CHAUTAUQUA | 0.14997 mi SE |
| 10A | RCRA Generator RCRA Notifier Site NYD000699215 | SUNOCO SERVICE STATION 201 W 5TH ST JAMESTOWN, NY 14701-4927 CHAUTAUQUA | 0.15842 mi N |

Site Summary

| <u>Map ID#</u> | <u>Database / Agency ID#</u> | <u>Site Name, Address, and County</u> | <u>Distance/Direction</u> |
|----------------|---|--|---|
| 10B | PBS New York Petroleum Bulk Storage Tank 9-600050 | SUGAR CREEK STORES #210 201 W 5TH ST JAMESTOWN, NY 14701-4927 CHAUTAUQUA | 0.15842 mi N |
| 10C | PBS New York Petroleum Bulk Storage Tank 9-119768 | FIFTH STREET SUNOCO 201 W 5TH ST JAMESTOWN, NY 14701-4927 CHAUTAUQUA | 0.15842 mi N |
| 11 | LST New York Leaking Storage Tank 9010542 | CHEV'S MOBIL-JAMESTOWN 507 WASHINGTON ST JAMESTOWN, NY 14701-4925 CHAUTAUQUA | 0.16743 mi N |
| 12A | SPILLS New York Spills Database Site 9310841 | SONIC STAR 9 N MAIN ST JAMESTOWN, NY 14701-5213 CHAUTAUQUA | 0.17179 mi ESE |
| 12B | RCRA Generator RCRA Notifier Site NYD987020690 | CHAUTAUQUA REGION IND DEV CORP 9 N MAIN ST JAMESTOWN, NY 14701-5213 CHAUTAUQUA | 0.17179 mi ESE |
| 13 | PBS New York Petroleum Bulk Storage Tank 9-105392 | CHEV'S SERVICE 527 WASHINGTON ST JAMESTOWN, NY 14701-4925 CHAUTAUQUA | 0.17319 mi N |
| 14 | RCRA Generator RCRA Notifier Site NYD986930378 | NYSDOT BIN 1027770 RTE 60 OVER CONRAIL & JAMESTOWN, NY 14701 CHAUTAUQUA | 0.18917 mi ESE Manually Geocoded* |
| 15 | RCRA Generator RCRA Small Quantity Generator NYD986933778 | KWIK COPY PRINTING 3RD & PINE COMMONS MALL JAMESTOWN, NY 14701 CHAUTAUQUA | 0.21291 mi ENE Manually Geocoded* |
| 16 | RCRA Generator RCRA Notifier Site NYD026612820 | BROADHEAD MILLS CO INC 100 E 1ST ST JAMESTOWN, NY 14701-5430 CHAUTAUQUA | 0.22852 mi E |
| 17 | RCRA Generator RCRA Notifier Site NYD980663405 | CHARIOT ELECTROPLATING INC 108 E 1ST ST JAMESTOWN, NY 14701-5430 CHAUTAUQUA | 0.23445 mi E |
| 18 | PBS New York Petroleum Bulk Storage Tank 9-600117 | JAMESTOWN BPU FUELING DEPOT 107-115 STEELE ST JAMESTOWN, NY 14701-6435 CHAUTAUQUA | 0.23867 mi SW |
| 19 | PBS New York Petroleum Bulk Storage Tank 9-487708 | WILSON FARMS 518 N MAIN ST JAMESTOWN, NY 14701-5028 CHAUTAUQUA | 0.23953 mi NNE |
| 20 | LST New York Leaking Storage Tank 9107822 | YMCA 101 E 4TH ST JAMESTOWN, NY 14701-5301 CHAUTAUQUA | 0.25099 mi ENE |
| 21 | LST New York Leaking Storage Tank 9404703 | CITY HALL-TANKS STEEL STREET JAMESTOWN, NY CHAUTAUQUA | 0.27205 mi WSW Manually Geocoded* |

Site Summary

| <u>Map ID#</u> | <u>Database / Agency ID#</u> | <u>Site Name, Address, and County</u> | <u>Distance/Direction</u> |
|----------------|--|--|---|
| 22 | SPILLS New York Spills Database Site 9202822 | OIL FROM STORM SEWER 50 HARRISON ST JAMESTOWN, NY 14701-6640 CHAUTAUQUA | 0.27812 mi SE |
| 23A | LST New York Leaking Storage Tank 8705480 | JAMESTOWN MUNICIPAL BLDG. SPRING STREET JAMESTOWN, NY CHAUTAUQUA | 0.28332 mi E Manually Geocoded* |
| 23B | LST New York Leaking Storage Tank 8705479 | JAMESTOWN MUNICIPAL BLDG. SPRING STREET JAMESTOWN, NY CHAUTAUQUA | 0.28332 mi E Manually Geocoded* |
| 24 | DOCKET Civil Enforcement Docket 02-88-0695A | JAMESTOWN CITY SCHOOL DIST 200 E 4TH ST JAMESTOWN, NY 14701-5308 CHAUTAUQUA | 0.30025 mi ENE |
| 25 | LST New York Leaking Storage Tank 8705533 | CITY OF JAMESTOWN EAST THIRD STREET JAMESTOWN, NY CHAUTAUQUA | 0.30215 mi ENE Manually Geocoded* |
| 26 | SPILLS New York Spills Database Site 8912402 | SHEEN ON CHADAQUOIN 178 STEELE ST JAMESTOWN, NY 14701-6224 CHAUTAUQUA | 0.33329 mi WSW |
| 27 | LST New York Leaking Storage Tank 0075305 | DORIS SMITH RESIDENCE 612 PINE ST JAMESTOWN, NY 14701-3508 CHAUTAUQUA | 0.34146 mi NNE |
| 28A | SPILLS New York Spills Database Site 9403720 | K & H AUTO BOBY 112 HARRISON ST JAMESTOWN, NY 14701-6615 CHAUTAUQUA | 0.36919 mi ESE |
| 28B | SPILLS New York Spills Database Site 9403796 | K & H AUTO BODY 112 HARRISON ST JAMESTOWN, NY 14701-6615 CHAUTAUQUA | 0.36919 mi ESE |
| 29 | LST New York Leaking Storage Tank 9006948 | US POSTAL SERVICE 3RD STREET JAMESTOWN, NY CHAUTAUQUA | 0.37164 mi ENE Manually Geocoded* |
| 30 | LST New York Leaking Storage Tank 8705543 | JAMESTOWN HOPITAL BAKER STREET JAMESTOWN, NY CHAUTAUQUA | 0.38233 mi S Manually Geocoded* |
| 31A | SPILLS New York Spills Database Site 0075060 | UNITED STATES POST OFFICE 300 E 3RD ST JAMESTOWN, NY 14701-5552 CHAUTAUQUA | 0.38663 mi ENE |
| 31B | SPILLS New York Spills Database Site 0075120 | JAMESTOWN POST OFFICE 300 E 3RD ST JAMESTOWN, NY 14701-5552 CHAUTAUQUA | 0.38663 mi ENE |
| 32 | LST New York Leaking Storage Tank 9413571 | HYDRAULIC LEAK 519 W 8TH ST JAMESTOWN, NY 14701-2909 CHAUTAUQUA | 0.40171 mi NW |

Site Summary

| <u>Map ID#</u> | <u>Database / Agency ID#</u> | <u>Site Name, Address, and County</u> | <u>Distance/Direction</u> |
|----------------|--|--|--|
| 33 | SPILLS New York Spills Database Site 9004823 | ACID WASH 8TH & MAIN STREET JAMESTOWN, NY CHAUTAUQUA | 0.41088 mi NNE Manually Geocoded* |
| 34 | SPILLS New York Spills Database Site 8400270 | WEINSTEIN WEST EIGHTH ST AT MONROE JAMESTOWN, NY CHAUTAUQUA | 0.41901 mi NW |
| 35 | LST New York Leaking Storage Tank 9416871 | WEINSTEIN COMPANY 610 W 8TH ST JAMESTOWN, NY 14701-2912 CHAUTAUQUA | 0.42936 mi WNW |
| 36 | SPILLS New York Spills Database Site 0075117 | ALL METALS SPECIALTIES 615 W 8TH ST JAMESTOWN, NY 14701-2911 CHAUTAUQUA | 0.43176 mi WNW |
| 37 | SPILLS New York Spills Database Site 9875266 | OIL IN CHADAKOIN RIVER THIRD (3RD) STREET JAMESTOWN, NY CHAUTAUQUA | 0.44649 mi W Manually Geocoded* |
| 38 | SPILLS New York Spills Database Site 0075292 | CENTER CITY/R&K MOTORS 817 N MAIN ST JAMESTOWN, NY 14701-3548 CHAUTAUQUA | 0.45568 mi NNE |
| 39 | SPILLS New York Spills Database Site 9407176 | RESOURCE CENTER 712 W 8TH ST JAMESTOWN, NY 14701-2914 CHAUTAUQUA | 0.45587 mi WNW |
| 40 | SPILLS New York Spills Database Site 9304580 | ARTONE FURNITURE 107 INSTITUTE ST JAMESTOWN, NY 14701-6628 CHAUTAUQUA | 0.46642 mi ESE |
| 41 | LST New York Leaking Storage Tank 9707986 | JAMESTOWN CITY GARAGE 115 FAIRMOUNT AVE JAMESTOWN, NY 14701-4768 CHAUTAUQUA | 0.47182 mi WNW |
| 42 | DOCKET Civil Enforcement Docket 02-90-0140A | CHAUTAUQUA HARDWARE CORP 31-35 WATER ST JAMESTOWN, NY 14701-6932 CHAUTAUQUA | 0.65612 mi ESE |
| 43 | DOCKET Civil Enforcement Docket 02-97-0302A | JAMESTOWN ELECTROPLATING 105 WATER ST JAMESTOWN, NY 14701-6934 CHAUTAUQUA | 0.78742 mi E |
| 44 | CERCLA CERCLA Site NYD982271835 | VISU-CRAFT 153 JONES AND GIFFORD AVE JAMESTOWN, NY 14701-2833 CHAUTAUQUA | 0.84687 mi WNW Manually Geocoded* |
| 45A | SWF New York Solid Waste Facility 07S70 | CHADAKOIN RIVER PARK NY CHAUTAUQUA | 0.94048 mi NNW Manually Geocoded* |
| 45B | SWF New York Solid Waste Facility 07S12 | CHAUTAUQUA LANDFILL 3889 TOWERVILLE RD JAMESTOWN, NY 14701-9653 CHAUTAUQUA | 0.94048 mi NNW Manually Geocoded* |

Site Summary

| <u>Map ID#</u> | <u>Database / Agency ID#</u> | <u>Site Name, Address, and County</u> | <u>Distance/Direction</u> |
|----------------|---|--|--|
| 45C | SWF New York Solid Waste Facility 07D16 | CHADAKOIN PARK C & D MUNICIPAL BLDG JAMESTOWN, NY 14701 CHAUTAUQUA | 0.94048 mi NNW Manually Geocoded* |
| 45D | CERCLA CERCLA Site (Delisted NFRAP Site) NYD981560741 | CHADAKOIN RIVER PARK LAFAYETTE ST. & 11TH STREET JAMESTOWN, NY 14701 CHAUTAUQUA | 0.94048 mi NNW Manually Geocoded* |
| 45E | IHWS (HWS) New York Inactive Hazardous Waste Disposal Site 907009 | FORMER JAMESTOWN CITY LANDFILL WASHINGTON STREET JAMESTOWN, NY 14701 CHAUTAUQUA | 0.94048 mi NNW Agency Provided Lat/Long** |
| 46 | CORRACTS RCRA CORRACTS (Corrective Action) Site NYD006015580 | WEBER-KNAPP CO 441 CHANDLER ST JAMESTOWN, NY 14701-3803 CHAUTAUQUA | 0.97734 mi E |

- * -- Manually Geocoded: Site plotted or corrected using paper maps, phone calls, and other resources to properly place the site on the map.
- ** -- Agency Provided Lat/Long: Site plotted using the latitude and longitude given by the federal or state government agency.
- *** -- Area Manually Plotted: Area manually drawn using digital and paper maps.

Detailed Data

The following pages contain the detailed data concerning the sites plotted on the map and included in the site summary.

Please Note: Pages are not included for databases not found within the search radii.

These pages are arranged as follows:

CERCLA Data

Delisted CERCLA Data

RCRA TSD and Generators Data

RCRA Corrective Action Data (CORRACTS)

PADS Data

DOCKET Data

New York IHWS Data

New York SWF Data

New York LST Data

New York PBS Data

New York SPILLS Data

CERCLA Data

Comprehensive Environmental Response, Composition, and Liability Act Sites

| | | | | | |
|-----------------------------|---|----------------|-----------------|---------------------------|---------------------------------------|
| Map ID#: | 44 | Distance (mi): | 0.846871 | Facility Name: | VISU-CRAFT |
| EPA ID#: | | Direction: | WNW | Address: | 153 JONES & GIFFORD AVENUE |
| CERCLIS Site ID#: | 0203800 | | | City, State, Zip: | JAMESTOWN, NY 14701 |
| Status: | This site is currently under investigation by the federal government to assess the extent of further action | | | County: | CHAUTAUQUA |
| Federal Facility Indicator: | Not a Federal Facility | | | NPL Status: | Not on the NPL |
| Ownership Indicator: | Unknown | | | RCRIS Facility Indicator: | Not Reported |
| Hydro Unit: | 05010002 | | | | |
| Site Incident Category: | Not Reported | | | | |

Comments: **Not Reported**

Event

Date Started

Date Completed

REMOVAL ASSESSMENT

1993-05-21

1994-11-10

Alias Information:

(If alias information is blank, no information was reported)

Alias ID

Alias Name

Alias Address

Alias City

Description(when available)

CERCLA Archive Data

Delisted Comprehensive Environmental Response, Compensation, and Liability Act Sites (Archive Sites)

| | | | | | |
|-------------------------------|---|---------------------|-----------------|-------------------------|--|
| Map ID#: | 45D | Distance (mi): | 0.940483 | Facility Name: | CHADAKOIN RIVER PARK |
| | | Direction: | NNW | Address: | LAFAYETTE ST. & 11TH STREET |
| EPA ID#: | | | | City, State, Zip: | JAMESTOWN, NY 14701 |
| CERCLIS Site ID#: | 0202343 | | | County: | CHAUTAUQUA |
| Status: | This site has been delisted from CERCLIS No Further Remedial Action Planned | | | Hydro Unit: | 05010002 |
| Federal Facility Indicator: | Not a Federal Facility | | | Site Incident Category: | Not Reported |
| Ownership Indicator: | Other | | | | |
| Comments: | PAINT AND PAINT THINNERS REPORTEDLY DUMPED IN 3 ACRES IN THE LANDFILL. LANDFILL HAS BEEN CONVERTED INTO A PARK AND ALSO IS LOCATED NEXT TO THE CHADAKOIN RIVER. LEACHATE WAS OBSERVED IN CANALS THAT RUN THROUGH LANDFILL. | | | | |
| NPL Status: | Not on the NPL | | | | |
| RCRIS Facility Indicator: | Not Reported | | | | |
| <hr/> | | | | | |
| <u>Event</u> | | <u>Date Started</u> | | <u>Date Completed</u> | |
| DISCOVERY | | Not Reported | | 1986-09-19 | |
| PRELIMINARY ASSESSMENT | | 1986-09-19 | | 1986-09-29 | |
| SITE INSPECTION | | 1989-06-30 | | 1989-09-27 | |

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#: **1** Distance (mi): **0.019790** Name: **SHEAS DELUX CLEANERS**
EPA ID#: **NYD986946556** Direction: **E** Address: **214 WASHINGTON ST**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN NY 147014920**
Land Type: **Unknown** SIC Code:
Contact Name: **SAM TRISCARI**
Contact Phone: **716-484-1075**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **2** Distance (mi): **0.032259** Name: **CONRAIL JAMESTOWN DIESEL SHOP**
EPA ID#: **NYD000691196** Direction: **SW** Address: **211 W SECOND ST**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN NY 14701**
Land Type: **Unknown** SIC Code:
Contact Name: **G A PAIVANAS**
Contact Phone: **716-485-1135**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **5A** Distance (mi): **0.102026** Name: **JAMESTOWN UNIT PARTS**
EPA ID#: **NYD055053417** Direction: **N** Address: **208 W 4TH ST**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN NY 14701**
Land Type: **Unknown** SIC Code: **5013**
Contact Name: **BERNIE WOALSCHLAGER**
Contact Phone: **716-664-5198**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

RCRA Wastes and Waste Code Information previously reported by EcoSearch have been removed from the RCRIS database by the USEPA.

RCRA TSD and Generators Data

Facility and Compliance Information

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **6** Distance (mi): **0.118894** Name: **POST JOURNAL**
EPA ID#: **NYD986942423** Direction: **E** Address: **15 W SECOND ST**
Status: **Transporter** City, State, Zip: **JAMESTOWN NY 14701**
Land Type: **Unknown** SIC Code:
Contact Name: **JAMES FUNCELL**
Contact Phone: **716-487-1111**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #: **19930203** Agency: **State** Evaluation Date: **02/03/1993**
Eval. #: **19930319** Agency: **EPA Contractor** Evaluation Date: **03/19/1993**

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **9B** Distance (mi): **0.149967** Name: **JAMESTOWN BOARD OF PUBLIC UTILITIES**
EPA ID#: **NYD981566342** Direction: **SE** Address: **101 WASHINGTON ST**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN NY 14701**
Land Type: **Unknown** SIC Code:
Contact Name: **THOMAS R LIND**
Contact Phone: **716-483-7583**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #: **19880819001** Agency: **State** Evaluation Date: **08/19/1988**
Eval. #: **19901019002** Agency: **State** Evaluation Date: **10/19/1990**
Eval. #: **19990701** Agency: **State** Evaluation Date: **07/01/1999**

VIOLATIONS

Viol. #: **NYD981566342S0001** Violation Type: **Generator - Any Requirements** Actual Resolution Date: **10/24/1990**

ENFORCEMENTS

Enf. #: **19881011002** Agency: **State** Type: **Initial 3008(a) Compliance Order** Date: **10/11/1988**
Enf. #: **19900308001** Agency: **State** Type: **Final 3008(a) Compliance Order** Date: **03/08/1990**

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

RCRA TSD and Generators Data

Facility and Compliance Information

No Corrective Action Instrument Information for this Site

Map ID#: **10A** Distance (mi): **0.158422** Name: **SUNOCO SERVICE STATION**
EPA ID#: **NYD000699215** Direction: **N** Address: **201 W 5TH ST** NY **14701**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN**
SIC Code:
Land Type: **Unknown** Contact Name: **ROBERT LAUBINGER**
Contact Phone: **617-875-1371**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **12B** Distance (mi): **0.171788** Name: **CHAUTAUQUA REGION IND DEV CORP**
EPA ID#: **NYD987020690** Direction: **ESE** Address: **9 N MAIN ST** NY **147015213**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN**
SIC Code:
Land Type: **Private Land** Contact Name: **LAWRENCE TAYLOR**
Contact Phone: **716-664-3262**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **14** Distance (mi): **0.189169** Name: **NYS DOT BIN 1027770**
EPA ID#: **NYD986930378** Direction: **ESE** Address: **RTE 60 OVER CONRAIL &** NY **14701**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN**
SIC Code:
Land Type: **State Land** Contact Name: **EDWARD WALEK**
Contact Phone: **716-847-3122**

RCRA Evaluation / Violation / Enforcement Data

RCRA Wastes and Waste Code Information previously reported by EcoSearch have been removed from the RCRIS database by the USEPA.

RCRA TSD and Generators Data

Facility and Compliance Information

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **15** Distance (mi): **0.212906** Name: **KWIK COPY PRINTING**
EPA ID#: **NYD986933778** Direction: **ENE** Address: **3RD & PINE COMMONS MALL** NY **14701**
Status: **Small Quantity Generator** City, State, Zip: **JAMESTOWN**
Land Type: **Unknown** SIC Code:
Contact Name: **ROBERT E EAGLESOME**
Contact Phone: **716-483-3227**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **16** Distance (mi): **0.228519** Name: **BROADHEAD MILLS CO INC**
EPA ID#: **NYD026612820** Direction: **E** Address: **100 E 1ST ST** NY **14701**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN**
Land Type: **Unknown** SIC Code:
Contact Name: **CARL ANDERSON**
Contact Phone: **716-485-0382**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #: **19831130001** Agency: **EPA Personnel** Evaluation Date: **11/30/1983**
Eval. #: **19860905002** Agency: **State** Evaluation Date: **09/05/1986**

VIOLATIONS

Viol. #: **NYD026612820E0001** Violation Type: **Generator - Any Requirements** Actual Resolution Date: **08/16/1990**

ENFORCEMENTS

Enf. #: **19840309002** Agency: **EPA** Type: **Initial 3008(a) Compliance Order** Date: **03/09/1984**
Enf. #: **19840627001** Agency: **EPA** Type: **Final 3008(a) Compliance Order** Date: **06/27/1984**

RAATS (RCRA Administrative Action Tracking System) Data

Action ID: **2012** Issue Date: **3/09/1984** Facility Type: **Privately held facility**
Facility ID: **NYD026612820** Final Date: **6/22/1984** Action Type: **3008(a) Compliance Order**
Docket Number: **84-0224** Final Penalty Amount: **2000.00**
Total Proposed Penalty: **5000.00**

RCRA Wastes and Waste Code Information previously reported by EcoSearch have been removed from the RCRIS database by the USEPA.

RCRA TSD and Generators Data

Facility and Compliance Information

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **17** Distance (mi): **0.234446** Name: **CHARIOT ELECTROPLATING INC**
EPA ID#: **NYD980663405** Direction: **E** Address: **108 E 1ST ST**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **JAMESTOWN NY 147015430**
Land Type: **Unknown** SIC Code:
Contact Name: **R RUNCO**
Contact Phone: **716-484-8369**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #: **19831130001** Agency: **State** Evaluation Date: **11/30/1983**
Eval. #: **19840607003** Agency: **State** Evaluation Date: **06/07/1984**

VIOLATIONS

Viol. #: **NYD980663405S0001** Violation Type: **Generator - Any Requirements** Actual Resolution Date: **04/23/1984**

ENFORCEMENTS

Enf. #: **19840330001** Agency: **EPA** Type: **Written Informal** Date: **03/30/1984**

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

RCRA Corrective Action Data (CORRACTS)

Instrument and Events Data

| | | | | | |
|------------------|---------------------|----------------------|----------------------------|--|--|
| Map ID#: | 46 | Distance (mi): | 0.98 | | |
| | | Direction: | E | | |
| EPA ID#: | NYD006015580 | Name: | WEBER-KNAPP CO | | |
| | | Address: | 441 CHANDLER ST | | |
| Instrument Type: | Not Reported | City, State Zip: | JAMESTOWN, NY 14701 | | |
| Effective Date: | None | Responsible Agency: | Not Reported | | |
| Issuance Date: | None | Responsible Program: | Not Reported | | |
| Revocation Date: | Not Reported | | | | |

Legal Authority

Other

Corrective Action Area Description

Not Reported

Event Information

| Event Date | Event Description | Agency | Program | Reported Status |
|-------------------|---|--------------|-------------|-------------------------------|
| 07/19/1994 | Determination of a need for an RFI | EPA | RCRA | RFI is not necessary |
| 05/03/1994 | Corrective Action Prioritization | EPA | RCRA | Low Priority |
| 09/22/1992 | RFA Completed | EPA | RCRA | Not Reported |
| 12/16/1988 | Determination of a need for an RFI | State | RCRA | RFI is not necessary |
| 10/28/1988 | RFA Completed | State | RCRA | Assessment was PA-Plus |

PADS Data

PCB Activity Database Data

| | | | | | |
|---------------------|-------------------------------|---------------------|-----------------|-------------------|-------------------------------------|
| Map ID#: | 9A | Distance (mi): | 0.149967 | Name: | WASHINGTON STREET SUBSTATION |
| | | Direction: | SE | Address: | 101 WASHINGTON STREET |
| EPA ID: | NYD981566342 | | | City, State, Zip: | JAMESTOWN, NY 14701 |
| | | | | EPA Region: | 2 |
| Facility Ownership: | Not a Federal Facility | | | | |
| Generator: | Active | Transport Facility: | No | | |
| Storage Facility: | No | Disposal Facility: | No | | |

DOCKET Data

Civil Enforcement Docket

| | | | | | |
|--------------------------------|--------------------|----------------|---------------------------------|-----------------------|-----------------|
| Map ID#: | 3A | Distance (mi): | 0.035098 | | |
| | | Direction: | ESE | Date Filed: | 03/27/92 |
| Docket Number: | 02-92-0044A | Case Name: | COPPER RIDGE CO | Date Concluded: | |
| Federal Penalty Assessed: | | | | | |
| Cost Recovery Charged: | | Case Result: | | | |
| <u>Law Reported Violated</u> | | <u>Section</u> | <u>Violation Type</u> | <u>Pollutant Type</u> | |
| Safe Drinking Water Act | | 1421 | Financial responsibility | | |

Subject Facilities / EPA ID# / Address / City, State, and Zip

NYD155662018 / COPPER RIDGE CO / 111 W 2ND ST / JAMESTOWN, NY 14701

Subject Defendant(s)

COPPER RIDGE CO

| | | | | | |
|--------------------------------|--------------------|----------------|---------------------------------|-----------------------|-----------------|
| Map ID#: | 3B | Distance (mi): | 0.035098 | | |
| | | Direction: | ESE | Date Filed: | 03/31/88 |
| Docket Number: | 02-88-0161A | Case Name: | COPPER RIDGE CO | Date Concluded: | 08/23/88 |
| Federal Penalty Assessed: | | | | | |
| Cost Recovery Charged: | | Case Result: | | | |
| <u>Law Reported Violated</u> | | <u>Section</u> | <u>Violation Type</u> | <u>Pollutant Type</u> | |
| Safe Drinking Water Act | | 1421 | Financial responsibility | | |

Subject Facilities / EPA ID# / Address / City, State, and Zip

NYD155662018 / COPPER RIDGE CO / 111 W 2ND ST / JAMESTOWN, NY 14701

Subject Defendant(s)

COPPER RIDGE CO

| | | | | | |
|-------------------------------------|--------------------|----------------|--------------------------------------|-----------------------|-----------------|
| Map ID#: | 24 | Distance (mi): | 0.300245 | | |
| | | Direction: | ENE | Date Filed: | 12/27/84 |
| Docket Number: | 02-88-0695A | Case Name: | JAMESTOWN CITY SD | Date Concluded: | 12/17/85 |
| Federal Penalty Assessed: | | | | | |
| Cost Recovery Charged: | | Case Result: | | | |
| <u>Law Reported Violated</u> | | <u>Section</u> | <u>Violation Type</u> | <u>Pollutant Type</u> | |
| Toxic Substances Control Act | | 6A | General facility requirements | Asbestos | |

Subject Facilities / EPA ID# / Address / City, State, and Zip

NYD986878304 / JAMESTOWN CITY SCHOOL DIST / 200 E FOURTH ST / JAMESTOWN, NY 14701

Subject Defendant(s)

JAMESTOWN CITY SCHOOL DIST

| | | | | | |
|---|--------------------|----------------|----------------------------------|-----------------------|-----------------|
| Map ID#: | 42 | Distance (mi): | 0.656118 | | |
| | | Direction: | ESE | Date Filed: | 06/19/90 |
| Docket Number: | 02-90-0140A | Case Name: | CHAUTAUQUA HARDWARE CORP. | Date Concluded: | 02/19/92 |
| Federal Penalty Assessed: | \$70,000 | | | | |
| Cost Recovery Charged: | | Case Result: | | | |
| <u>Law Reported Violated</u> | | <u>Section</u> | <u>Violation Type</u> | <u>Pollutant Type</u> | |
| Emergency Planning and Community Right to Know Act | | 313 | Reporting violations | | |

Subject Facilities / EPA ID# / Address / City, State, and Zip

NYD002100493 / CHAUTAUQUA HARDWARE CORP / 31-35 WATER ST / JAMESTOWN, NY 14701

DOCKET Data

Civil Enforcement Docket

Subject Defendant(s)

CHAUTAUGUA HARDWARE CORP

| | | | | | |
|---------------------------|--------------------|----------------|-----------------------------------|-----------------|-----------------|
| Map ID#: | 43 | Distance (mi): | 0.787416 | Date Filed: | 09/16/97 |
| | | Direction: | E | Date Concluded: | 12/22/97 |
| Docket Number: | 02-97-0302A | Case Name: | JAMESTOWN ELECTRIC PLATING | | |
| Federal Penalty Assessed: | \$1,000 | Case Result: | | | |
| Cost Recovery Charged: | | | | | |

Law Reported Violated
Clean Water Act

Section
308

Violation Type
Permit violation

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

NYD002115152 / JAMESTOWN ELECTROPLATING / 105 WATER ST / JAMESTOWN, NY 14701

Subject Defendant(s)

JAMESTOWN ELECTRIC PLATING

New York IHWS Data

New York Inactive Hazardous Waste Disposal Sites

| | | | | | | |
|--|---|------------------|--------------------------------|------------------------------|------|--|
| Map ID#: | 45E | Distance (mi): | 0.94048 | | | |
| | | Direction: | NNW | | | |
| Agency ID: | 907009 | Name: | FORMER JAMESTOWN CITY LANDFILL | | | |
| | | Address: | WASHINGTON STREET | | | |
| Owner: | CITY OF JAMESTOWN | City, State Zip: | JAMESTOWN, NY 14701 | | | |
| Address: | CITY HALL MUNICIPAL BUILDING | County: | Chautauqua | | | |
| City, State Zip: | JAMESTOWN, NY 14701 | | | | | |
| | | Site Type: | Landfill | <u>Waste Disposal Period</u> | | |
| Operator: | City of Jamestown | Estimated Size | 100 | 1962 | 1974 | |
| Address: | Municipal Building | | | | | |
| City, State Zip: | Jamestown, NY 14701 | | | | | |
| Site Description: | The City of Jamestown currently owns this site and formerly operated it as a municipal landfill from October 1962 to June 1974. During its operation, an estimated 3 million cubic yards of municipal and industrial waste were reportedly accepted for disposal at the landfill. According to NYSDEC files, at least 70 tons of waste paint, waste solvent, degreaser sludge, paint arrestors and paint liquids were accepted for disposal as well. Additionally, paints and thinners were dumped on occasion in three areas of the landfill. The City of Jamestown developed a park on the southern portion of the site in 1979-1980. A Phase I Investigation was completed in 1986. A PSA was completed in 1993. The PSA included soil gas and geophysical surveys, and intrusive work (sampling of surface soil, surface water, sediments and groundwater). Environmental investigations did not reveal contamination at levels of concern. No further work is planned. | | | | | |
| <u>Confirmed Hazardous Waste Disposal:</u> | | | <u>Quantity:</u> | | | |
| Still bottoms from the recovery of spent solvents used in degreasing (degreaser sludge) (F001 Waste) | | | Approximately 70 tons | | | |

New York SWF Data

New York Solid Waste Facilities Data

| | | | | | |
|-----------------------|---------------------|----------------|----------------|-------------------------|-----------------------------|
| Map ID#: | 45A | Distance (mi): | 0.94048 | Name: | CHADAKOIN RIVER PARK |
| Agency ID: | 07S70 | Direction: | NNW | Address: | Not Reported |
| Permit Issue Date: | Not Reported | | | City, State Zip: | Not Reported |
| | | | | County: | CHAUTAUQUA |
| | | | | Phone: | Not Reported |
| Authorization Date: | Not Reported | | | Facility Status: | Inactive |
| Authorization Expire: | Not Reported | | | Facility Active Date: | Not Reported |
| | | | | Facility Inactive Date: | Not Reported |
| Register Status: | None | | | Owner Type: | Private |
| Aquifer: | none | | | Owner: | Not Reported |
| Waste Type: | | | | Address: | Not Reported |
| | | | | City, State Zip: | Not Reported |
| | | | | Phone: | Not Reported |
| | | | | Operator Name: | |

| | | | | | |
|-----------------------|--|----------------|----------------|-------------------------|---------------------------------|
| Map ID#: | 45B | Distance (mi): | 0.94048 | Name: | CHAUTAUQUA LANDFILL |
| Agency ID: | 07S12 | Direction: | NNW | Address: | 3889 TOWERVILLE RD |
| Permit Issue Date: | 07/22/1999 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| | | | | County: | CHAUTAUQUA |
| | | | | Phone: | (716) 985-4785 |
| Authorization Date: | 07/22/1999 | | | Facility Status: | Active |
| Authorization Expire: | 07/23/2009 | | | Facility Active Date: | Not Reported |
| | | | | Facility Inactive Date: | Not Reported |
| Register Status: | Permit | | | Owner Type: | County |
| Aquifer: | none | | | Owner: | County of Chautauqua DPW |
| Waste Type: | Residential, C&D, Asbestos, Sludge, Industri: | | | Address: | Grace Office Building |
| | | | | City, State Zip: | Mayville, NY 14757 |
| | | | | Phone: | (716) 985-4211 |
| | | | | Operator Name: | Theodore Osborne |

| | | | | | |
|-----------------------|---------------------|----------------|----------------|-------------------------|---------------------------------|
| Map ID#: | 45C | Distance (mi): | 0.94048 | Name: | CHADAKOIN PARK C & D |
| Agency ID: | 07D16 | Direction: | NNW | Address: | MUNICIPAL BLDG |
| Permit Issue Date: | Not Reported | | | City, State Zip: | JAMESTOWN, NY 14701 |
| | | | | County: | CHAUTAUQUA |
| | | | | Phone: | Not Reported |
| Authorization Date: | 04/14/1980 | | | Facility Status: | Inactive |
| Authorization Expire: | 04/30/1981 | | | Facility Active Date: | Not Reported |
| | | | | Facility Inactive Date: | Not Reported |
| Register Status: | None | | | Owner Type: | Municipal |
| Aquifer: | none | | | Owner: | CITY OF JAMESTOWN |
| Waste Type: | Demolition | | | Address: | MUNICIPAL BLDG |
| | | | | City, State Zip: | JAMESTOWN, NY 14701 |
| | | | | Phone: | Not Reported |
| | | | | Operator Name: | WALTER CARLSON |

New York LST Data

New York Leaking Storage Tanks Data (Derived from Spills List)

| | | | | | |
|--------------------------|------------------|----------------|--------------|-------------------------|-----------------------|
| Map ID#: | 5B | Distance (mi): | 0.10203 | Name: | WOOLSCHLAGER PROPERTY |
| Spill Number: | 9603853 | Direction: | N | Address: | 208 W 4TH ST |
| Spill Date: | 06/20/1996 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 13:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 06/20/1996 | | | Spiller Name: | WOOLSCHLAGER PROPERTY |
| Reported Time: | 13:05 | | | Address: | 208 WEST 4TH STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Gasoline Station | | | Contact: | BERNARD WOOLSCHLAGER |
| Resource: | Groundwater | | | Phone: | () - |
| Record Creation Date: | 06/20/1996 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 09/05/1996 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Other |
| Closure Date: | 08/23/1996 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | 08/23/1996 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | GASOLINE | | Not Reported | | 0 Gallons |
| Not Reported | UNKNOWN MATERIAL | | Not Reported | | 0 Gallons |

| | | | | | |
|--------------------------|------------------|----------------|-------------|-------------------------|------------------------|
| Map ID#: | 11 | Distance (mi): | 0.16743 | Name: | CHET'S MOBIL-JAMESTOWN |
| Spill Number: | 9010542 | Direction: | N | Address: | 507 WASHINGTON ST |
| Spill Date: | 01/01/1991 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 19:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 01/02/1991 | | | Spiller Name: | CHET'S MOBIL-JAMESTOWN |
| Reported Time: | 09:05 | | | Address: | 507 WASHINGTON STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Gasoline Station | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | Not Reported |
| Record Creation Date: | 01/02/1991 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 07/21/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 11/08/1995 | | | Reported By: | Responsible Party |
| Closure Date: | 11/12/1995 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | 11/12/1995 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | GASOLINE | | 400.00 | | 100 Gallons |

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|------------------------|
| Map ID#: | 20 | Distance (mi): | 0.25099 | Name: | YMCA |
| Spill Number: | 9107822 | Direction: | ENE | Address: | 101 E 4TH ST |
| Spill Date: | 10/22/1991 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 10:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 10/22/1991 | | | Spiller Name: | YMCA |
| Reported Time: | 11:25 | | | Address: | 101 EAST FOURTH STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | Not Reported |
| Record Creation Date: | 10/22/1991 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 03/12/1992 | | | Agency: | Not Reported |
| Last Inspection Date: | 10/29/1991 | | | Reported By: | Responsible Party |
| Closure Date: | 02/27/1992 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 02/27/1992 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | #2 FUEL OIL | | Not Reported | | 0 Gallons |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York LST Data

New York Leaking Storage Tanks Data (Derived from Spills List)

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|---------------------|
| Map ID#: | 21 | Distance (mi): | 0.27205 | Name: | CITY HALL-TANKS |
| Spill Number: | 9404703 | Direction: | WSW | Address: | STEEL STREET |
| Spill Date: | 06/01/1994 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 07/05/1994 | | | Spiller Name: | CITY HALL-TANKS |
| Reported Time: | 12:00 | | | Address: | STEEL STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 07/08/1994 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 07/25/1994 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Responsible Party |
| Closure Date: | 07/08/1994 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | 07/08/1994 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | DIESEL | | Not Reported | | 0 |

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|---------------------------|
| Map ID#: | 23A | Distance (mi): | 0.28332 | Name: | JAMESTOWN MUNICIPAL BLDG. |
| Spill Number: | 8705480 | Direction: | E | Address: | SPRING STREET |
| Spill Date: | 09/29/1987 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 15:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 09/29/1987 | | | Spiller Name: | JAMESTOWN MUNICIPAL BLDG. |
| Reported Time: | 16:36 | | | Address: | SPRING STREET |
| Cause: | Tank Test Failure | | | City, State Zip: | JAMESTOWN, NY |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 10/02/1987 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 10/01/1996 | | | Agency: | Not Reported |
| Last Inspection Date: | 04/06/1988 | | | Reported By: | Tank Tester |
| Closure Date: | 04/06/1988 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 04/06/1988 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | DIESEL | | Not Reported | | 0 Gallons |

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|---------------------------|
| Map ID#: | 23B | Distance (mi): | 0.28332 | Name: | JAMESTOWN MUNICIPAL BLDG. |
| Spill Number: | 8705479 | Direction: | E | Address: | SPRING STREET |
| Spill Date: | 09/29/1987 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 15:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 09/29/1987 | | | Spiller Name: | JAMESTOWN MUNICIPAL BLDG. |
| Reported Time: | 16:36 | | | Address: | MUNICIPAL BUILDING |
| Cause: | Tank Test Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 10/02/1987 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 06/06/1988 | | | Agency: | Not Reported |
| Last Inspection Date: | 04/06/1988 | | | Reported By: | Tank Tester |
| Closure Date: | 04/06/1988 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 04/06/1988 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | GASOLINE | | Not Reported | | 0 Gallons |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York LST Data

New York Leaking Storage Tanks Data (Derived from Spills List)

| | | | | | |
|--------------------------|------------------------------|----------------|-------------|-------------------------|---------------------|
| Map ID#: | 25 | Distance (mi): | 0.30215 | Name: | CITY OF JAMESTOWN |
| Spill Number: | 8705533 | Direction: | ENE | Address: | EAST THIRD STREET |
| Spill Date: | 10/01/1987 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 09:45 | | | County: | CHAUTAUQUA |
| Reported Date: | 10/01/1987 | | | Spiller Name: | CITY OF JAMESTOWN |
| Reported Time: | 10:15 | | | Address: | MUNICIPAL BUILDING |
| Cause: | Tank Test Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 10/02/1987 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 07/07/1989 | | | Agency: | Not Reported |
| Last Inspection Date: | 07/06/1989 | | | Reported By: | Tank Tester |
| Closure Date: | 07/07/1989 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 07/07/1989 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | DIESEL | | 1.00 | | 0 Gallons |

| | | | | | |
|--------------------------|------------------|----------------|--------------|-------------------------|-----------------------|
| Map ID#: | 27 | Distance (mi): | 0.34146 | Name: | DORIS SMITH RESIDENCE |
| Spill Number: | 0075305 | Direction: | NNE | Address: | 612 PINE ST |
| Spill Date: | 08/17/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 08/17/2000 | | | Spiller Name: | DORIS SMITH RESIDENCE |
| Reported Time: | 15:00 | | | Address: | 612 PINE STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701- |
| Source: | Private Dwelling | | | Contact: | DORIS SMITH |
| Resource: | On Land | | | Phone: | (716) 664-6252 |
| Record Creation Date: | 08/17/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 12/18/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 12/13/2000 | | | Reported By: | Health Department |
| Closure Date: | Not Reported | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | C3 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | #2 FUEL OIL | | Not Reported | | 0 Gallons |

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|------------------------|
| Map ID#: | 29 | Distance (mi): | 0.37164 | Name: | US POSTAL SERVICE |
| Spill Number: | 9006948 | Direction: | ENE | Address: | 3RD STREET |
| Spill Date: | 09/01/1990 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 09/21/1990 | | | Spiller Name: | US POSTAL SERVICE |
| Reported Time: | 08:00 | | | Address: | 1200 WILLIAM STREET |
| Cause: | Tank Failure | | | City, State Zip: | BUFFALO, NY 14240-9991 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 09/26/1990 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 05/15/1996 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Other |
| Closure Date: | 07/12/1991 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 07/12/1991 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | GASOLINE | | Not Reported | | 0 Liters |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York LST Data

New York Leaking Storage Tanks Data (Derived from Spills List)

| | | | | | |
|--------------------------|------------------------------|----------------|--------------|-------------------------|---------------------|
| Map ID#: | 30 | Distance (mi): | 0.38233 | Name: | JAMESTOWN HOPITAL |
| Spill Number: | 8705543 | Direction: | S | Address: | BAKER STREET |
| Spill Date: | 10/01/1987 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 14:50 | | | County: | CHAUTAUQUA |
| Reported Date: | 10/01/1987 | | | Spiller Name: | JAMESTOWN HOPITAL |
| Reported Time: | 15:01 | | | Address: | BAKER STREET |
| Cause: | Tank Test Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 10/02/1987 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 07/26/1988 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Tank Tester |
| Closure Date: | 06/22/1988 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 06/22/1988 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | DIESEL | | Not Reported | | 0 Gallons |

| | | | | | |
|--------------------------|-----------------------|----------------|--------------|-------------------------|---------------------|
| Map ID#: | 32 | Distance (mi): | 0.40171 | Name: | HYDRAULIC LEAK |
| Spill Number: | 9413571 | Direction: | NW | Address: | 519 W 8TH ST |
| Spill Date: | 06/01/1994 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 01/11/1995 | | | Spiller Name: | HYDRAULIC LEAK |
| Reported Time: | 14:34 | | | Address: | Not Reported |
| Cause: | Tank Failure | | | City, State Zip: | Not Reported |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 01/13/1995 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 03/01/1995 | | | Agency: | Not Reported |
| Last Inspection Date: | 02/09/1995 | | | Reported By: | Citizen |
| Closure Date: | 02/21/1995 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | E6 |
| Date Cleanup Stopped: | 02/21/1995 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | WASTE OIL | | Not Reported | | 0 Gallons |
| Petroleum | HYDRAULIC OIL | | Not Reported | | 0 |

| | | | | | |
|--------------------------|-----------------------|----------------|--------------|-------------------------|---------------------|
| Map ID#: | 35 | Distance (mi): | 0.42936 | Name: | WEINSTEIN COMPANY |
| Spill Number: | 9416871 | Direction: | WNW | Address: | 610 W 8TH ST |
| Spill Date: | 03/24/1995 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 13:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 03/24/1995 | | | Spiller Name: | WEINSTEIN COMPANY |
| Reported Time: | 13:00 | | | Address: | 610 WEST 8TH STREET |
| Cause: | Tank Failure | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Comm/Industrial | | | Contact: | HAROLD WEINSTEIN |
| Resource: | Groundwater | | | Phone: | (716) 664-5910 |
| Record Creation Date: | 03/29/1995 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 02/06/1996 | | | Agency: | Not Reported |
| Last Inspection Date: | 01/15/1996 | | | Reported By: | DEC |
| Closure Date: | 01/25/1996 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | 01/25/1996 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | DIESEL | | Not Reported | | 0 Gallons |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York LST Data

New York Leaking Storage Tanks Data (Derived from Spills List)

| | | | | | |
|-------------------------|-------------------------------------|----------------|----------------|-------------------------|------------------------------|
| Map ID#: | 41 | Distance (mi): | 0.47182 | Name: | JAMESTOWN CITY GARAGE |
| Spill Number: | 9707986 | Direction: | WNW | Address: | 115 FAIRMOUNT AVE |
| Spill Date: | 10/07/1997 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 10:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 10/07/1997 | | | Spiller Name: | JAMESTOWN CITY GARAGE |
| Reported Time: | 11:37 | | | Address: | Not Reported |
| Cause: | Tank Test Failure | | | City, State Zip: | Not Reported |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | (716) 483-7551 |
| Record Creation Date: | 10/07/1997 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 06/26/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 10/08/1997 | | | Reported By: | Tank Tester |
| Closure Date: | 12/12/1997 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | E6 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |

Remarks:
If nothing, not reported

| | | | |
|--------------------------|------------------|---------------------|------------------|
| Type of Material Spilled | Material Spilled | Amt Spilled | Amt Recovered |
| Petroleum | WASTE OIL | Not Reported | 0 Gallons |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | |
|-----------------------------------|------------------------------|---------------------|------------------------------|
| Map ID#: | 4A | Distance (mi): | 0.08073 |
| | | Direction: | W |
| Agency ID: | 9-125040 | Name: | STAN'S BP |
| | | Address: | 311 W THIRD ST |
| | | City, State Zip: | JAMESTOWN, NY 14701 |
| Owner: | STAN'S BP | Site Type: | Retail Gasoline Sales |
| Address: | 311 WEST THIRD STREET | Site Status: | Active |
| City, State Zip: | JAMESTOWN, NY 14701 | Certification Date: | 02/28/1997 |
| Phone: | (716) 488-0812 | Expiry Date: | 09/30/2001 |
| | | Renewal Date: | 01/21/1997 |
| Reported Total Capacity: | 14,500 | | |
| Reported Total # of Active Tanks: | 3.00 | | |

Tank ID#

001

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 3,000.00 | External Protection: | Not Reported |
| Install Date: | 05/01/1964 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Product Level Gauge |
| Piping Type: | Steel/Iron | Dispenser: | Suction |
| Date Tested: | 12/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

002

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 3,000.00 | External Protection: | Not Reported |
| Install Date: | 05/01/1964 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Product Level Gauge |
| Piping Type: | Steel/Iron | Dispenser: | Suction |
| Date Tested: | 12/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

003

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 3,000.00 | External Protection: | Not Reported |
| Install Date: | 05/01/1964 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Product Level Gauge |
| Piping Type: | Steel/Iron | Dispenser: | Suction |
| Date Tested: | 12/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

004

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 3,000.00 | External Protection: | Not Reported |
| Install Date: | 05/01/1964 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Product Level Gauge |
| Piping Type: | Steel/Iron | Dispenser: | Suction |
| Date Tested: | 12/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

New York PBS Data

New York Petroleum Bulk Storage Data

005

Chemical: **Nos 1, 2, or 4 Fuel Oil**
Capacity (gal): **550.00**
Install Date: **05/01/1964**
Closed Date: **Not Reported**
Tank Location: **Underground**
Tank Type: **Steel/Carbon Steel**
Piping Location: **Not Reported**
Piping Type: **Steel/Iron**
Date Tested: **Not Reported**
Next Test: **Not Reported**
Test Method: **Not Reported**

Internal Protection: **Not Reported**
External Protection: **Not Reported**
Pipe Internal Protection: **Not Reported**
Pipe External Protection: **Not Reported**
Tank Secondary Containment: **None**
Leak Detection: **None**
Overfill Protection: **Product Level Gauge**
Dispenser: **Suction**

1

Chemical: **Unleaded Gasoline**
Capacity (gal): **8,000.00**
Install Date: **09/01/1991**
Closed Date: **Not Reported**
Status: **In Service**
Tank Location: **Underground**
Tank Type: **Steel/Carbon Steel**
Piping Location: **Underground**
Piping Type: **Fiberglass(FRP)**
Date Tested: **Not Reported**
Next Test: **Not Reported**
Test Method: **Not Reported**

Internal Protection: **None**
External Protection: **Sacrificial Anode**
Pipe Internal Protection: **Fiberglass Liner**
Pipe External Protection: **Fiberglass**
Tank Secondary Containment: **Double-Walled Tank**
Dispenser: **Suction**

2

Chemical: **Unleaded Gasoline**
Capacity (gal): **6,000.00**
Install Date: **09/01/1991**
Closed Date: **Not Reported**
Status: **In Service**
Tank Location: **Underground**
Tank Type: **Steel/Carbon Steel**
Piping Location: **Underground**
Piping Type: **Fiberglass(FRP)**
Date Tested: **Not Reported**
Next Test: **Not Reported**
Test Method: **Not Reported**

Internal Protection: **None**
External Protection: **Sacrificial Anode**
Pipe Internal Protection: **Fiberglass Liner**
Pipe External Protection: **Fiberglass**
Tank Secondary Containment: **Double-Walled Tank**
Dispenser: **Suction**

3

Chemical: **Not Reported**
Capacity (gal): **500.00**
Install Date: **09/01/1991**
Closed Date: **Not Reported**
Status: **In Service**
Tank Location: **Aboveground (Crib, Rack, Cradle)**
Tank Type: **Steel/Carbon Steel**
Piping Location: **None**
Piping Type: **None**
Date Tested: **Not Reported**
Next Test: **Not Reported**
Test Method: **Not Reported**

Internal Protection: **None**
Pipe Internal Protection: **None**
Overfill Protection: **Float Vent Valve**

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | |
|-----------------------------------|------------------------------|---------------------|----------------------------|
| Map ID#: | 7 | Distance (mi): | 0.14291 |
| Agency ID: | 9-380652 | Direction: | E |
| Owner: | GRIFFITH OIL CO. INC. | Name: | ANDERSON CLEANERS |
| Address: | PAVILION WARSAW RD | Address: | 317 N MAIN ST |
| City, State Zip: | WYOMING, NY 14591 | City, State Zip: | JAMESTOWN, NY 14701 |
| Phone: | (716) 495-6225 | Site Type: | Other |
| | | Site Status: | Inactive |
| | | Certification Date: | 06/18/1987 |
| | | Expiry Date: | 06/18/1992 |
| Reported Total Capacity: | 0 | Renewal Date: | Not Reported |
| Reported Total # of Active Tanks: | 0.00 | | |

Tank ID#

001

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 5,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1980 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 08/01/1987 | Pipe External Protection: | Not Reported |
| Status: | Closed -- Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Not Reported |
| Piping Location: | Not Reported | Dispenser: | Suction |
| Piping Type: | Steel/Iron | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

002

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 4,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1980 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 08/01/1987 | Pipe External Protection: | Not Reported |
| Status: | Closed -- Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Not Reported |
| Piping Location: | Not Reported | Dispenser: | Suction |
| Piping Type: | Steel/Iron | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

003

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Diesel | Internal Protection: | Not Reported |
| Capacity (gal): | 1,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1980 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 08/01/1987 | Pipe External Protection: | Not Reported |
| Status: | Closed -- Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Not Reported |
| Piping Location: | Not Reported | Dispenser: | Suction |
| Piping Type: | Steel/Iron | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | |
|-----------------------------------|-----------------------------|---------------------|------------------------------|
| Map ID#: | 8 | Distance (mi): | 0.14627 |
| Agency ID: | 9-487880 | Direction: | W |
| Owner: | REID PETROLEUM CORP. | Name: | YELLOW GOOSE MARKET |
| Address: | 100 W. GENESEE ST. | Address: | 406 WEST 3RD ST. |
| City, State Zip: | LOCKPORT, NY 14094 | City, State Zip: | JAMESTOWN, NY 14701 |
| Phone: | (716) 434-2885 | Site Type: | Retail Gasoline Sales |
| | | Site Status: | Active |
| | | Certification Date: | 07/01/1999 |
| | | Expiry Date: | 06/23/2004 |
| Reported Total Capacity: | 26,000 | Renewal Date: | 06/07/1999 |
| Reported Total # of Active Tanks: | 3.00 | | |

Tank ID#

1

| | | | |
|------------------|--------------------------------------|---------------------------|-------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

2

| | | | |
|------------------|--------------------------------------|---------------------------|-------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

3

| | | | |
|------------------|--------------------------------------|---------------------------|-------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 6,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | | | |
|-----------------------------------|----------------------------|----------------|----------------|---------------------|--------------------------------|
| Map ID#: | 10B | Distance (mi): | 0.15842 | | |
| | | Direction: | N | Name: | SUGAR CREEK STORES #210 |
| Agency ID: | 9-600050 | | | Address: | 201 WEST FIFTH STREET |
| | | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Owner: | SUGAR CREEK STORES | | | Site Type: | Retail Gasoline Sales |
| Address: | 760 BROOKS AVE | | | Site Status: | Inactive |
| City, State Zip: | ROCHESTER, NY 14619 | | | Certification Date: | 10/11/1994 |
| Phone: | (716) 436-2691 | | | Expiry Date: | 09/25/1996 |
| | | | | Renewal Date: | 06/01/1995 |
| Reported Total Capacity: | 0 | | | | |
| Reported Total # of Active Tanks: | 0.00 | | | | |

Tank ID#

1

| | | | |
|------------------|---------------------------|-----------------------------|--------------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | None |
| Capacity (gal): | 2,000.00 | External Protection: | Painted/Asphalt Coating |
| Install Date: | 08/01/1984 | Pipe Internal Protection: | None |
| Closed Date: | 08/01/1995 | Pipe External Protection: | None |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | Vapor Well |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | None |
| Piping Location: | Underground | Dispenser: | Suction |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | 09/01/1994 | | |
| Next Test: | Not Reported | | |
| Test Method: | Horner | | |

2

| | | | |
|------------------|--------------------------------------|-----------------------------|-------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 6,000.00 | External Protection: | Fiberglass |
| Install Date: | 09/01/1985 | Pipe Internal Protection: | None |
| Closed Date: | 08/01/1995 | Pipe External Protection: | None |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | Vapor Well |
| Tank Type: | Fiberglass Reinforced Plastic | Overfill Protection: | None |
| Piping Location: | Underground | Dispenser: | Suction |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

3

| | | | |
|------------------|---------------------------|-----------------------------|--------------------------------|
| Chemical: | Diesel | Internal Protection: | None |
| Capacity (gal): | 4,000.00 | External Protection: | Painted/Asphalt Coating |
| Install Date: | 08/01/1984 | Pipe Internal Protection: | None |
| Closed Date: | 08/01/1995 | Pipe External Protection: | None |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | Vapor Well |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | None |
| Piping Location: | Underground | Dispenser: | Suction |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | 09/01/1994 | | |
| Next Test: | Not Reported | | |
| Test Method: | Horner | | |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | |
|-----------------------------------|----------------------------|---------------------|------------------------------|
| Map ID#: | 10C | Distance (mi): | 0.15842 |
| | | Direction: | N |
| Agency ID: | 9-119768 | Name: | FIFTH STREET SUNOCO |
| | | Address: | 201 WEST FIFTH STREET |
| | | City, State Zip: | JAMESTOWN, NY 14701 |
| Owner: | DAN NOCERO | Site Type: | Retail Gasoline Sales |
| Address: | 201 WEST FIFTH ST | Site Status: | Active |
| City, State Zip: | JAMESTOWN, NY 14701 | Certification Date: | 08/27/1997 |
| Phone: | (716) 487-1619 | Expiry Date: | 08/24/2002 |
| | | Renewal Date: | 06/25/1997 |
| Reported Total Capacity: | 18,500 | | |
| Reported Total # of Active Tanks: | 4.00 | | |

Tank ID#

4

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 6,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1969 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 09/01/1991 | Pipe External Protection: | Not Reported |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Product Level Gauge |
| Piping Location: | Not Reported | Dispenser: | Submersible |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | 09/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

5

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 6,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1969 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 09/01/1991 | Pipe External Protection: | Not Reported |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Product Level Gauge |
| Piping Location: | Not Reported | Dispenser: | Submersible |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | 09/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

6

| | | | |
|------------------|---------------------------|-----------------------------|----------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 6,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1969 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 09/01/1991 | Pipe External Protection: | Not Reported |
| Status: | Closed - Removed | Tank Secondary Containment: | None |
| Tank Location: | Underground | Leak Detection: | None |
| Tank Type: | Steel/Carbon Steel | Overfill Protection: | Product Level Gauge |
| Piping Location: | Not Reported | Dispenser: | Submersible |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | 09/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

New York PBS Data

New York Petroleum Bulk Storage Data

4

| | | | |
|------------------|---------------------------|---------------------------|---------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 6,000.00 | External Protection: | Not Reported |
| Install Date: | 06/01/1969 | Pipe Internal Protection: | Not Reported |
| Closed Date: | 09/01/1991 | Pipe External Protection: | Not Reported |
| Status: | Closed - Removed | Dispenser: | Submersible |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Not Reported | | |
| Date Tested: | 09/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

7

| | | | |
|------------------|---------------------------|---------------------------|--------------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | None |
| Capacity (gal): | 8,000.00 | Pipe Internal Protection: | Fiberglass Liner |
| Install Date: | 09/01/1991 | Leak Detection: | Interstitial Monitoring |
| Closed Date: | Not Reported | Dispenser: | Submersible |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Fiberglass(FRP) | | |
| Date Tested: | 09/01/1991 | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

8

| | | | |
|------------------|---------------------------|---------------------------|--------------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | None |
| Capacity (gal): | 6,000.00 | Pipe Internal Protection: | Fiberglass Liner |
| Install Date: | 09/01/1991 | Leak Detection: | Interstitial Monitoring |
| Closed Date: | Not Reported | Dispenser: | Submersible |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Fiberglass(FRP) | | |
| Date Tested: | 09/01/1991 | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

9

| | | | |
|------------------|---------------------------|---------------------------|--------------------------------|
| Chemical: | Diesel | Internal Protection: | None |
| Capacity (gal): | 4,000.00 | Pipe Internal Protection: | Fiberglass Liner |
| Install Date: | 09/01/1991 | Leak Detection: | Interstitial Monitoring |
| Closed Date: | Not Reported | Dispenser: | Submersible |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Fiberglass(FRP) | | |
| Date Tested: | 09/01/1991 | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

10

| | | | |
|------------------|---|---------------------------|----------------|
| Chemical: | Kerosene | Internal Protection: | None |
| Capacity (gal): | 500.00 | Pipe Internal Protection: | None |
| Install Date: | 09/01/1991 | Dispenser: | Suction |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Aboveground (Crib, Rack, Cradle) | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Aboveground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | |
|-----------------------------------|----------------------------|---------------------|----------------------------|
| Map ID#: | 13 | Distance (mi): | 0.17319 |
| Agency ID: | 9-105392 | Direction: | N |
| Owner: | CHESTER PLYMEL | Name: | CHETS SERVICE |
| Address: | 507 WASHINGTON ST | Address: | 527 WASHINGTON ST |
| City, State Zip: | JAMESTOWN, NY 14701 | City, State Zip: | JAMESTOWN, NY 14701 |
| Phone: | (716) 664-9742 | Site Type: | Not Reported |
| | | Site Status: | Active |
| | | Certification Date: | 01/16/1997 |
| | | Expiry Date: | 03/24/2002 |
| | | Renewal Date: | 12/05/1996 |
| Reported Total Capacity: | 26,500 | | |
| Reported Total # of Active Tanks: | 4.00 | | |

Tank ID#

UN1

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 5,000.00 | External Protection: | Not Reported |
| Install Date: | 01/01/1965 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Not Reported |
| Piping Type: | Galvanized Steel | Dispenser: | Submersible |
| Date Tested: | 10/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

UN2

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 5,000.00 | External Protection: | Not Reported |
| Install Date: | 01/01/1965 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Not Reported |
| Piping Type: | Galvanized Steel | Dispenser: | Submersible |
| Date Tested: | 10/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

REG

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 5,000.00 | External Protection: | Not Reported |
| Install Date: | 01/01/1965 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Not Reported |
| Piping Type: | Not Reported | Dispenser: | Submersible |
| Date Tested: | 10/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

SUP

| | | | |
|------------------|---------------------------|-----------------------------|---------------------|
| Chemical: | Leaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 5,000.00 | External Protection: | Not Reported |
| Install Date: | 01/01/1965 | Pipe Internal Protection: | Not Reported |
| Closed Date: | Not Reported | Pipe External Protection: | Not Reported |
| Tank Location: | Underground | Tank Secondary Containment: | None |
| Tank Type: | Steel/Carbon Steel | Leak Detection: | None |
| Piping Location: | Not Reported | Overfill Protection: | Not Reported |
| Piping Type: | Not Reported | Dispenser: | Submersible |
| Date Tested: | 10/01/1987 | | |
| Next Test: | Not Reported | | |
| Test Method: | Ainlay | | |

New York PBS Data

New York Petroleum Bulk Storage Data

FUE

| | | | |
|------------------|--------------------------------|---------------------------|--------------|
| Chemical: | Nos 1, 2, or 4 Fuel Oil | Internal Protection: | Not Reported |
| Capacity (gal): | 1,000.00 | Pipe Internal Protection: | None |
| Install Date: | 01/01/1965 | Overfill Protection: | Not Reported |
| Closed Date: | 08/01/1996 | Dispenser: | Suction |
| Status: | Converted to Non-Regulated Use | | |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

WAS

| | | | |
|------------------|--------------------|---------------------------|-------------------------|
| Chemical: | Not Reported | Internal Protection: | Not Reported |
| Capacity (gal): | 500.00 | External Protection: | Painted/Asphalt Coating |
| Install Date: | 01/01/1965 | Pipe Internal Protection: | None |
| Closed Date: | Not Reported | Overfill Protection: | Not Reported |
| Status: | In Service | Dispenser: | Submersible |
| Tank Location: | Underground | | |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

101

| | | | |
|------------------|-----------------------|-----------------------------|--------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 02/01/1991 | Pipe External Protection: | Jacketed |
| Closed Date: | Not Reported | Tank Secondary Containment: | Double-Walled Tank |
| Status: | In Service | Dispenser: | Submersible |
| Tank Location: | Underground | | |
| Tank Type: | Equivalent Technology | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

102

| | | | |
|------------------|-----------------------|---------------------------|--------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 02/01/1991 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Equivalent Technology | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

103

| | | | |
|------------------|-----------------------|---------------------------|--------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Not Reported |
| Capacity (gal): | 6,000.00 | Pipe Internal Protection: | None |
| Install Date: | 02/01/1991 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Equivalent Technology | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

New York PBS Data

New York Petroleum Bulk Storage Data

| | | | | | |
|-----------------------------------|--|---------------------|-------------------|------------------|------------------------------------|
| Map ID#: | 18 | Distance (mi): | 0.23867 | | |
| | | Direction: | SW | Name: | JAMESTOWN BPU FUELING DEPOT |
| Agency ID: | 9-600117 | | | Address: | 107-115 STEELE STREET |
| | | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Owner: | JAMESTOWN BOARD OF PUBLIC UTILITIES | | | | |
| Address: | P O BOX 700 | | | | |
| City, State Zip: | JAMESTOWN, NY 14702-0700 | | | | |
| Phone: | (716) 661-1630 | | | | |
| | | Site Type: | Utility | | |
| | | Site Status: | Active | | |
| | | Certification Date: | 11/18/1997 | | |
| | | Expiry Date: | 01/26/2003 | | |
| | | Renewal Date: | 11/04/1997 | | |
| Reported Total Capacity: | 20,000 | | | | |
| Reported Total # of Active Tanks: | 2.00 | | | | |

Tank ID#

1

| | | | |
|------------------|---------------------------|-----------------------------|---------------------------|
| Chemical: | Diesel | Internal Protection: | None |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | Other |
| Install Date: | 12/01/1992 | Pipe External Protection: | Other |
| Closed Date: | Not Reported | Tank Secondary Containment: | Double-Walled Tank |
| Status: | In Service | Overfill Protection: | Automatic Shut-Off |
| Tank Location: | Underground | Dispenser: | Submersible |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

2

| | | | |
|------------------|---------------------------|-----------------------------|---------------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | None |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | Other |
| Install Date: | 12/01/1992 | Pipe External Protection: | Other |
| Closed Date: | Not Reported | Tank Secondary Containment: | Double-Walled Tank |
| Status: | In Service | Overfill Protection: | Automatic Shut-Off |
| Tank Location: | Underground | Dispenser: | Submersible |
| Tank Type: | Steel/Carbon Steel | | |
| Piping Location: | Underground | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

| | | | | | |
|-----------------------------------|--------------------------------|---------------------|---------------------|------------------|------------------------------|
| Map ID#: | 19 | Distance (mi): | 0.23953 | | |
| | | Direction: | NNE | Name: | WILSON FARMS |
| Agency ID: | 9-487708 | | | Address: | 518 NORTH MAIN STREET |
| | | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Owner: | REID PETROLEUM | | | | |
| Address: | 100 WEST GENESEE STREET | | | | |
| City, State Zip: | LOCKPORT, NY 14094 | | | | |
| Phone: | (716) 434-2885 | | | | |
| | | Site Type: | Not Reported | | |
| | | Site Status: | Active | | |
| | | Certification Date: | 07/01/1999 | | |
| | | Expiry Date: | 06/23/2004 | | |
| | | Renewal Date: | 06/07/1999 | | |
| Reported Total Capacity: | 26,000 | | | | |
| Reported Total # of Active Tanks: | 3.00 | | | | |

Tank ID#

New York PBS Data

New York Petroleum Bulk Storage Data

1

| | | | |
|------------------|-------------------------------|---------------------------|------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

2

| | | | |
|------------------|-------------------------------|---------------------------|------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 10,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

3

| | | | |
|------------------|-------------------------------|---------------------------|------------------|
| Chemical: | Unleaded Gasoline | Internal Protection: | Fiberglass Liner |
| Capacity (gal): | 6,000.00 | Pipe Internal Protection: | None |
| Install Date: | 06/01/1986 | Dispenser: | Submersible |
| Closed Date: | Not Reported | | |
| Status: | In Service | | |
| Tank Location: | Underground | | |
| Tank Type: | Fiberglass Reinforced Plastic | | |
| Piping Location: | Underground | | |
| Piping Type: | Galvanized Steel | | |
| Date Tested: | Not Reported | | |
| Next Test: | Not Reported | | |
| Test Method: | Not Reported | | |

New York Spills Data

New York Spills Data

| | | | | | |
|--------------------------|-------------------|----------------|--------------|-------------------------|---------------------|
| Map ID#: | 4B | Distance (mi): | 0.08073 | Name: | STAN'S BP |
| Spill Number: | 9975715 | Direction: | W | Address: | 311 W 3RD ST |
| Spill Date: | 03/14/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 03/14/2000 | | | Spiller Name: | STAN'S BP |
| Reported Time: | 16:00 | | | Address: | Not Reported |
| Cause: | Unknown | | | City, State Zip: | Not Reported |
| Source: | Unknown | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | () - |
| Record Creation Date: | 03/14/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 03/20/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 03/18/2000 | | | Reported By: | Other |
| Closure Date: | 03/20/2000 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | C3 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | UNKNOWN PETROLEUM | | Not Reported | | 0 Gallons |

| | | | | | |
|--------------------------|-----------------------|----------------|-------------|-------------------------|---------------------|
| Map ID#: | 12A | Distance (mi): | 0.17179 | Name: | SONIC STAR |
| Spill Number: | 9310841 | Direction: | ESE | Address: | 9 N MAIN ST |
| Spill Date: | 11/30/1993 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 15:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 12/02/1993 | | | Spiller Name: | SONIC STAR |
| Reported Time: | 16:25 | | | Address: | PO BOX 220 |
| Cause: | Equipment Failure | | | City, State Zip: | JAMESTOWN, NY 14702 |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | Not Reported |
| Record Creation Date: | 12/08/1993 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 12/09/1993 | | | Agency: | Not Reported |
| Last Inspection Date: | 12/03/1993 | | | Reported By: | Citizen |
| Closure Date: | 12/08/1993 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | C3 |
| Date Cleanup Stopped: | 12/08/1993 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | WASTE OIL | | 1.00 | | 1 Gallons |

| | | | | | |
|--------------------------|------------------|----------------|-------------|-------------------------|----------------------|
| Map ID#: | 22 | Distance (mi): | 0.27812 | Name: | OIL FROM STORM SEWER |
| Spill Number: | 9202822 | Direction: | SE | Address: | 50 HARRISON ST |
| Spill Date: | 06/05/1992 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 13:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 06/05/1992 | | | Spiller Name: | OIL FROM STORM SEWER |
| Reported Time: | 15:15 | | | Address: | Not Reported |
| Cause: | Unknown | | | City, State Zip: | Not Reported |
| Source: | Unknown | | | Contact: | Not Reported |
| Resource: | Surface Water | | | Phone: | Not Reported |
| Record Creation Date: | 06/12/1992 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 08/05/1992 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Fire Department |
| Closure Date: | 07/10/1992 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | C1 |
| Date Cleanup Stopped: | 07/10/1992 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | | Amt Spilled | | Amt Recovered |
| Petroleum | GASOLINE | | 10.00 | | 3 Gallons |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York Spills Data

New York Spills Data

| | | | | | |
|-------------------------|-------------------------------------|----------------|----------------|-------------------------|------------------------------|
| Map ID#: | 26 | Distance (mi): | 0.33329 | Name: | SHEEN ON CHADAQUOIN |
| Spill Number: | 8912402 | Direction: | WSW | Address: | 178 STEELE ST |
| Spill Date: | 03/29/1990 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 11:15 | | | County: | CHAUTAUQUA |
| Reported Date: | 03/29/1990 | | | Spiller Name: | SHEEN ON CHADAQUOIN |
| Reported Time: | 11:34 | | | Address: | 200 EAST THIRD STREET |
| Cause: | Deliberate | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Surface Water | | | Phone: | Not Reported |
| Record Creation Date: | 03/29/1990 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 05/28/1991 | | | Agency: | Not Reported |
| Last Inspection Date: | 10/16/1990 | | | Reported By: | Citizen |
| Closure Date: | 04/22/1991 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 04/22/1991 | | | Penalty Recommendation: | Yes |

Remarks:

If nothing, not reported

| | | | |
|---------------------------------|-------------------------|--------------------|----------------------|
| <u>Type of Material Spilled</u> | <u>Material Spilled</u> | <u>Amt Spilled</u> | <u>Amt Recovered</u> |
| Petroleum | WASTE OIL | 20.00 | 15 Gallons |

| | | | | | |
|-------------------------|------------------------------|----------------|----------------|-------------------------|----------------------------|
| Map ID#: | 28A | Distance (mi): | 0.36919 | Name: | K & H AUTO BOBY |
| Spill Number: | 9403720 | Direction: | ESE | Address: | 112 HARRISON ST |
| Spill Date: | 06/15/1994 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 08:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 06/15/1994 | | | Spiller Name: | K & H AUTO BOBY |
| Reported Time: | 15:00 | | | Address: | 112 HARRISON STREET |
| Cause: | Other | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | Not Reported |
| Record Creation Date: | 06/20/1994 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 09/01/1994 | | | Agency: | Not Reported |
| Last Inspection Date: | 07/06/1994 | | | Reported By: | Local Agency |
| Closure Date: | 08/25/1994 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | A3 |
| Date Cleanup Stopped: | 08/25/1994 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

| | | | |
|---------------------------------|-------------------------|---------------------|----------------------|
| <u>Type of Material Spilled</u> | <u>Material Spilled</u> | <u>Amt Spilled</u> | <u>Amt Recovered</u> |
| Not Reported | Not Reported | Not Reported | 0 |

| | | | | | |
|-------------------------|------------------------------|----------------|----------------|-------------------------|----------------------------|
| Map ID#: | 28B | Distance (mi): | 0.36919 | Name: | K & H AUTO BODY |
| Spill Number: | 9403796 | Direction: | ESE | Address: | 112 HARRISON ST |
| Spill Date: | 06/15/1994 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 08:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 06/15/1994 | | | Spiller Name: | K & H AUTO BODY |
| Reported Time: | 15:00 | | | Address: | 112 HARRISON STREET |
| Cause: | Other | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | On Land | | | Phone: | Not Reported |
| Record Creation Date: | 06/20/1994 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 07/05/1994 | | | Agency: | Not Reported |
| Last Inspection Date: | 06/17/1994 | | | Reported By: | Local Agency |
| Closure Date: | 06/20/1994 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | A3 |
| Date Cleanup Stopped: | 06/20/1994 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

| | | | |
|---------------------------------|-------------------------|---------------------|----------------------|
| <u>Type of Material Spilled</u> | <u>Material Spilled</u> | <u>Amt Spilled</u> | <u>Amt Recovered</u> |
| Not Reported | Not Reported | Not Reported | 0 |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York Spills Data

New York Spills Data

| | | | | | |
|--------------------------|------------------------------|----------------|---------------|-------------------------|---------------------------|
| Map ID#: | 31A | Distance (mi): | 0.38663 | Name: | UNITED STATES POST OFFICE |
| Spill Number: | 0075060 | Direction: | ENE | Address: | 300 E 3RD ST |
| Spill Date: | 05/01/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 11:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 05/01/2000 | | | Spiller Name: | UNITED STATES POST OFFICE |
| Reported Time: | 12:00 | | | Address: | 1200 WILLIAM STREET |
| Cause: | Equipment Failure | | | City, State Zip: | BUFFALO, NY 14240- |
| Source: | Other Non Comm/Institutional | | | Contact: | ANDY MARTIN |
| Resource: | Groundwater | | | Phone: | () - |
| Record Creation Date: | 05/01/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 08/04/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 05/01/2000 | | | Reported By: | Responsible Party |
| Closure Date: | 07/21/2000 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | Amt Spilled | Amt Recovered | | |
| Petroleum | GASOLINE | Not Reported | 0 Gallons | | |

| | | | | | |
|--------------------------|--------------------|----------------|---------------|-------------------------|-----------------------|
| Map ID#: | 31B | Distance (mi): | 0.38663 | Name: | JAMESTOWN POST OFFICE |
| Spill Number: | 0075120 | Direction: | ENE | Address: | 300 E 3RD ST |
| Spill Date: | 05/26/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 14:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 05/26/2000 | | | Spiller Name: | JAMESTOWN POST OFFICE |
| Reported Time: | 15:16 | | | Address: | 67 RIVER STREET |
| Cause: | Equipment Failure | | | City, State Zip: | JAMESTOWN, NY 14701- |
| Source: | Commercial Vehicle | | | Contact: | ROGER CONNELLY |
| Resource: | In Sewer | | | Phone: | (716) 664-2133 |
| Record Creation Date: | 05/26/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 12/20/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 12/19/2000 | | | Reported By: | Responsible Party |
| Closure Date: | 12/20/2000 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | D3 |
| Date Cleanup Stopped: | 12/19/2000 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | Amt Spilled | Amt Recovered | | |
| Non Petr/Non Haz | ETHYLENE GLYCOL | 10.00 | 0 Gallons | | |

| | | | | | |
|--------------------------|-----------------------|----------------|---------------|-------------------------|-------------------|
| Map ID#: | 33 | Distance (mi): | 0.41088 | Name: | ACID WASH |
| Spill Number: | 9004823 | Direction: | NNE | Address: | 8TH & MAIN STREET |
| Spill Date: | 07/31/1990 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 08:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 07/31/1990 | | | Spiller Name: | ACID WASH |
| Reported Time: | 14:30 | | | Address: | Not Reported |
| Cause: | Other | | | City, State Zip: | Not Reported |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | In Sewer | | | Phone: | Not Reported |
| Record Creation Date: | 07/31/1990 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 08/30/1990 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Citizen |
| Closure Date: | 08/29/1990 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 08/29/1990 | | | Penalty Recommendation: | No |
| Remarks: | | | | | |
| If nothing, not reported | | | | | |
| Type of Material Spilled | Material Spilled | Amt Spilled | Amt Recovered | | |
| Not Reported | Not Reported | Not Reported | 0 | | |

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York Spills Data

New York Spills Data

| | | | | | |
|-------------------------|-----------------------|----------------|---------|-------------------------|--------------------------|
| Map ID#: | 34 | Distance (mi): | 0.41901 | Name: | WEINSTEIN |
| Spill Number: | 8400270 | Direction: | NW | Address: | WEST EIGHTH ST AT MONROE |
| Spill Date: | 04/26/1984 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 16:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 04/27/1986 | | | Spiller Name: | WEINSTEIN |
| Reported Time: | 12:30 | | | Address: | PO BOX 218 |
| Cause: | Housekeeping | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | Surface Water | | | Phone: | Not Reported |
| Record Creation Date: | 06/05/1986 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 09/16/1988 | | | Agency: | Not Reported |
| Last Inspection Date: | 11/19/1986 | | | Reported By: | Health Department |
| Closure Date: | 11/19/1986 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | Not Reported |
| Date Cleanup Stopped: | 11/19/1986 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Petroleum

Material Spilled

WASTE OIL

Amt Spilled

Not Reported

Amt Recovered

0 Gallons

| | | | | | |
|-------------------------|-----------------------|----------------|---------|-------------------------|------------------------|
| Map ID#: | 36 | Distance (mi): | 0.43176 | Name: | ALL METALS SPECIALTIES |
| Spill Number: | 0075117 | Direction: | WNW | Address: | 615 W 8TH ST |
| Spill Date: | 05/26/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 09:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 05/26/2000 | | | Spiller Name: | ALL METALS SPECIALTIES |
| Reported Time: | 10:22 | | | Address: | 300 LIVINGSTON AVENUE |
| Cause: | Unknown | | | City, State Zip: | JAMESTOWN, NY 14701- |
| Source: | Other Comm/Industrial | | | Contact: | RAY ANDERSON |
| Resource: | Groundwater | | | Phone: | () - |
| Record Creation Date: | 05/26/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 09/01/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 05/26/2000 | | | Reported By: | Health Department |
| Closure Date: | 08/21/2000 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | 08/21/2000 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Petroleum

Material Spilled

UNKNOWN PETROLEUM

Amt Spilled

Not Reported

Amt Recovered

0 Gallons

| | | | | | |
|-------------------------|---------------|----------------|---------|-------------------------|------------------------|
| Map ID#: | 37 | Distance (mi): | 0.44649 | Name: | OIL IN CHADAKOIN RIVER |
| Spill Number: | 9875266 | Direction: | W | Address: | THIRD (3RD) STREET |
| Spill Date: | 12/01/1998 | | | City, State Zip: | JAMESTOWN, NY |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 12/07/1998 | | | Spiller Name: | OIL IN CHADAKOIN RIVER |
| Reported Time: | 10:00 | | | Address: | Not Reported |
| Cause: | Unknown | | | City, State Zip: | Not Reported |
| Source: | Unknown | | | Contact: | Not Reported |
| Resource: | Surface Water | | | Phone: | Not Reported |
| Record Creation Date: | 12/07/1998 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 01/18/1999 | | | Agency: | Not Reported |
| Last Inspection Date: | 12/07/1998 | | | Reported By: | Citizen |
| Closure Date: | 12/08/1998 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | D6 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Petroleum

Material Spilled

UNKNOWN PETROLEUM

Amt Spilled

Not Reported

Amt Recovered

0 Gallons

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

New York Spills Data

New York Spills Data

| | | | | | |
|-------------------------|-------------------|----------------|---------|-------------------------|------------------------|
| Map ID#: | 38 | Distance (mi): | 0.45568 | Name: | CENTER CITY/R&K MOTORS |
| Spill Number: | 0075292 | Direction: | NNE | Address: | 817 N MAIN ST |
| Spill Date: | 08/12/2000 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 14:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 08/14/2000 | | | Spiller Name: | CENTER CITY/R&K MOTORS |
| Reported Time: | 10:00 | | | Address: | HOTEL JAMESTOWN |
| Cause: | Equipment Failure | | | City, State Zip: | JAMESTOWN, NY 14701- |
| Source: | Gasoline Station | | | Contact: | THOMAS CARDMAN |
| Resource: | Groundwater | | | Phone: | (716) 484-2487 |
| Record Creation Date: | 08/14/2000 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 12/18/2000 | | | Agency: | Not Reported |
| Last Inspection Date: | 12/13/2000 | | | Reported By: | Responsible Party |
| Closure Date: | Not Reported | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | B3 |
| Date Cleanup Stopped: | Not Reported | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Petroleum

Material Spilled

GASOLINE

Amt Spilled

Not Reported

Amt Recovered

0 Gallons

| | | | | | |
|-------------------------|------------------------------|----------------|---------|-------------------------|---------------------|
| Map ID#: | 39 | Distance (mi): | 0.45587 | Name: | RESOURCE CENTER |
| Spill Number: | 9407176 | Direction: | WNW | Address: | 712 W 8TH ST |
| Spill Date: | 02/14/1994 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 12:00 | | | County: | CHAUTAUQUA |
| Reported Date: | 08/25/1994 | | | Spiller Name: | RESOURCE CENTER |
| Reported Time: | 10:51 | | | Address: | 880 E 2ND STREET |
| Cause: | Housekeeping | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Source: | Other Non Comm/Institutional | | | Contact: | Not Reported |
| Resource: | Groundwater | | | Phone: | Not Reported |
| Record Creation Date: | 08/27/1994 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 09/23/1994 | | | Agency: | Not Reported |
| Last Inspection Date: | Not Reported | | | Reported By: | Other |
| Closure Date: | 09/21/1994 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | No | | | Class of Spill: | C3 |
| Date Cleanup Stopped: | 09/21/1994 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Petroleum

Material Spilled

GASOLINE

Amt Spilled

Not Reported

Amt Recovered

0

| | | | | | |
|-------------------------|-----------------------|----------------|---------|-------------------------|----------------------|
| Map ID#: | 40 | Distance (mi): | 0.46642 | Name: | ARTONE FURNITURE |
| Spill Number: | 9304580 | Direction: | ESE | Address: | 107 INSTITUTE ST |
| Spill Date: | 07/08/1993 | | | City, State Zip: | JAMESTOWN, NY 14701 |
| Spill Time: | 08:30 | | | County: | CHAUTAUQUA |
| Reported Date: | 07/08/1993 | | | Spiller Name: | ARTONE FURNITURE |
| Reported Time: | 12:02 | | | Address: | 107 INSTITUTE STREET |
| Cause: | Unknown | | | City, State Zip: | JAMESTOWN, NY |
| Source: | Other Comm/Industrial | | | Contact: | Not Reported |
| Resource: | Surface Water | | | Phone: | Not Reported |
| Record Creation Date: | 07/13/1993 | | | Spill Reporter Name: | Not Reported |
| Record Updated Date: | 12/08/1993 | | | Agency: | Not Reported |
| Last Inspection Date: | 07/08/1993 | | | Reported By: | Health Department |
| Closure Date: | 07/08/1993 | | | Phone: | Not Reported |
| Cleanup Standards Met?: | Yes | | | Class of Spill: | D4 |
| Date Cleanup Stopped: | 07/08/1993 | | | Penalty Recommendation: | No |

Remarks:

If nothing, not reported

Type of Material Spilled

Not Reported

Material Spilled

UNKNOWN MATERIAL

Amt Spilled

Not Reported

Amt Recovered

0

If the Amt Spilled and Amt Recovered are 0 (Zero), this indicates the amounts are unknown and not reported.

Unmappable Sites

A limitation of many records of governmental databases is incomplete or incorrect address information. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the manually geocoded EcoSearch report, we implement a painstaking manual geocoding strategy aimed at plotting these unmappable sites by looking at zip codes, city names, and county names identified with the radius around your study site. The zip codes, cities, and counties searched are identified on the EcoSearch Statistical Overview page.

Our sophisticated mapping software, enhanced TIGER street maps, and address correction database processing methods find and plot most environmental sites. We then perform manual geocoding, plotting those sites the computer fails to find using a variety of resources. These include using our in-house collection of paper maps, directories, cross-referencing database information, and calling post offices, local government, or the sites themselves to accurately locate environmental records. We also correct obvious TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existent orphan/unmappable list and increases accuracy and reliability of the data in our reports. The EcoSearch Instant Online and Preview reports take advantage of all previous geocoding work that has been done providing the highest quality report virtually instantaneously. The potential remains that an order can be placed in an area which has not been worked, thus resulting in more unmappables than typically associated with an EcoSearch report.

The limited number of sites which could not be reasonably found through our geocoding strategy are presented in this section for further review to assess their impact on your study site.

After the summary unmappable site information, the detailed data follows.

Unmappable Sites

Database

Agency ID#

Site Name and Address

County

No unmappable sites were found for this report.

Environmental Glossary

Acid

A large class of substances having a pH less than seven. An acid waste is considered hazardous when the pH is 2.0 or less.

Acute Effect

An adverse effect on a human or animal body, with severe symptoms developing rapidly and coming quickly to a crisis.

Acute Exposure

A dose that is delivered to the body in a single event or in a short period of time.

Aerobic

Occurring in the presence of free oxygen.

Alkaline

A substance with a pH between 7 and 14. An alkaline waste is considered hazardous when its pH is 12.5 or greater.

Ambient

Existing conditions of air, water, and other media at a particular time.

Anaerobic

Occurring in the absence of oxygen.

Assessment

An analysis or examination.

Background Environmental Sample

Samples that are considered to contain no contaminants or known concentrations of contaminants.

Base

A substance which forms a salt when reacted with an acid. Bases have a pH of greater than seven.

Buffer Zone

An area of land which surrounds a hazardous waste facility and on which certain land uses and activities are restricted to protect the public health and safety and the environment from existing or potential hazards caused by the migration of hazardous waste (CH&SC Sec. 25110.3).

Carcinogen

A substance or agent capable of causing or producing cancer in mammals.

Caustics

A large class of substances which form solutions having a high pH.

Chronic Effect

An adverse effect on a human or animal body, with symptoms which develop slowly over a long period of time or which reoccur frequently.

Chronic Exposure

Low doses repeatedly received by the body over a long period of time.

Combustible

A term used by the NFPA, DOT, and others to classify certain liquids that will burn, on the basis of flash points. Both the NFPA and DOT generally define "combustible liquids" as having a flash point of 100° F or higher.

Concentration

The relative amount of a substance when combined or mixed with other substances.

Contingency Plan

A document setting out an organized, planned, and coordinated course of action to be followed in case of a fire or explosion or release of a hazardous waste from a TSD or a generator's facility that could threaten human health or the environment (RCRA).

Corrosive

As defined by DOT, a corrosive material is a liquid or solid that causes visible destruction or irreversible alterations in human skin tissue at the site of contact or in the case of leakage from its packaging a liquid that has a severe corrosion rate on steel. A solid or liquid which exhibits these characteristics can be regulated as hazardous waste.

Decomposition

Breakdown of material or substance (by heat, chemical reaction, electrolysis, decay, or other processes) into elements or simpler compounds.

Decontamination

The process of removing contaminants from individuals and equipment.

Deep Well Injection

Disposal of wastes by injecting them into a geological formation deep in the ground, sometimes after pretreatment to avoid solidification.

EPA ID Number

This unique number assigned by EPA to each generator, transporter, or TSD.

Effluent

Waste material, either treated or untreated, discharged into the environment.

Environmental Assessment

The measurement or prediction of the transport, dispersion, and final location of a hazardous substance when released into the environment.

Environmental Emergencies

Incidents involving the release (or potential release) of hazardous materials into the environment which require immediate remedial action.

Environmental Hazard

A condition capable of posing risk of exposure to air, water, soil, plants, or wildlife.

Exception Report

A report that generators who transport waste off-site must submit if they do not receive a properly completed copy of their manifest within 45 days of the date on which the initial transporter accepted the waste.

Generator

The person or facility who, by nature or ownership, management or control, is responsible for causing or allowing to be caused, the creation of hazardous waste.

Glovebag

A device used to remove a section of pipe insulation without isolating the entire space or room.

Groundwater Hydrology

The study of the movement of water below the earth's surface.

Hazard

A circumstance or condition that can cause harm. Hazards are often categorized into four groups: biological, chemical, physical, and radiation.

Hazard Classes

A series of nine descriptive terms that have been established by the UN Committee of Experts to categorize the hazardous nature of chemical, physical, and biological materials. These categories are: flammable liquids, explosives, gases, oxidizers, radioactive materials, corrosives, flammable solids, poisonous and infectious substances, and dangerous substances.

Hazardous Waste

Any material that is subject to the hazardous waste manifest requirements of the EPA specified in the CFR, Title 40, Part 262 or would be subject to these requirements in the absence of an interim authorization to a State under CFR, Title 40, Part 123, Subpart F.

Heavy Metals

Certain metallic elements having a high density and generally toxic, e.g., lead, silver, mercury, and arsenic.

Immediate Removal

Actions undertaken to prevent or mitigate immediate and significant risk of harm to human life or health or the environment. As set forth in the National Contingency Plan, these actions shall be terminated after \$1 million has been obligated or six months have elapsed from the date of initial response.

Incident

The release or potential release of a hazardous substance into the environment.

Inert

Exhibiting no chemical activity; totally unreactive.

Innocent Land Owner's Defense

The defense of a purchaser of real property that he or she exercised due diligence in having hazards assessed prior to purchase.

Interim Status

Allows owners and operators of TSDs that were in existence, or for which construction had commenced, prior to November 19, 1980 to continue to operate without a permit after this date pending final issuance from RCRA.

Joint and Several Liability

Under federal law each party that contributed to damages may be held liable for all damages, but each has the right to compel the others to contribute and indemnify.

Liability

Being subject to legal action for one's behavior.

MSDS Material Safety Data Sheet

Required by OSHA of owners to alert employees to hazards, their effect, and protective action.

Manifest

Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes disposed in off-site facilities.

National Contingency Plan

Policies and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.

P Wastes

A federal waste list comprised of substances categorized as acutely hazardous.

Part A

The first part of a two part application that must be submitted by a TSD to receive a permit. It contains general facility information.

Part B

The second part of a two part application that must be submitted by a TSD to receive a permit. It contains highly technical and detailed information.

Planned Removal

The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA: Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or \$1 million.

Poison, Class A

A DOT term for extremely dangerous poisons, that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.

Poison, Class B

A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.

Pollutant

A substance or mixture which after release into the environment and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects in such organisms and their offspring.

Priority Pollutants

A list of chemicals selected from the list of toxic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.

Remedial Actions

Responses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.

Risk

The probability that an unwanted event will occur.

Second Responders

Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.

Strict Liability

Holds a party responsible for damages irrespective of the amount of care taken in handling a hazardous substance.

Subtitle C

The part of RCRA which pertains to the management of hazardous waste.

Subtitle I

The part of RCRA which pertains to the storage of petroleum products and hazardous substances, other than wastes, in USTs.

Superfund

See CERCLA.

Synergistic

The action of two materials together which is greater in effect than the sum of the individuals actions.

TIGER Files

The US Census Bureau's TIGER files provide a nationwide computerized map with address range information.

Tort

A legal wrong, sometimes referred to as negligence.

Toxicity

The ability of a substance to produce injury by non-mechanical means once it reaches a susceptible site in or on the body.

U Wastes

A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.

Acronyms and Abbreviations

| | |
|----------|---|
| -AIRS | Aerometric Information Retrieval System |
| -AST | Aboveground Storage Tank |
| -ASTM | American Society for Testing and Materials |
| -BLM | Bureau of Land Management |
| -BNA | Bureau of National Affairs |
| -CAA | Clean Air Act |
| -CDC | Centers for Disease Control |
| -CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act of 1980 |
| -CERCLIS | CERCLA Information System |
| -CICIS | Chemicals in Commerce Information System |
| -COE | U.S. Army Corps of Engineers |
| -CWA | Clean Water Act |
| -DDT | Dichloro-diphenyl-dichloroethane |
| -DOC | Department of Commerce |
| -DOCKET | Enforcement Docket System--Office of Enforcement and Compliance Monitoring |
| -DOE | Department of Energy |
| -DOT | Department of Transportation |
| -EPA | Environmental Protection Agency |
| -ERCS | Emergency Response Cleanup Services |
| -ERNS | Emergency Response Notification System |
| -ESA | Environmental Site Assessment |
| -FIFRA | Federal Insecticide, Fungicide, and Rodenticide Act |
| -FINDS | Facility Index System |
| -FOIA | Freedom of Information Act |
| -FWPCA | Federal Water Pollution Control Act |
| -HHS | Department of Health and Human Services |
| -HSWA | Hazardous and Solid Waste Amendments of 1984 |
| -HUD | Department of Housing and Urban Development |
| -LUST | Leaking Underground Storage Tank |
| -MSDS | Material Safety Data Sheet |
| -NEPA | National Environment Policy Act |
| -NESHAP | National Emission Standards for Hazardous Air Pollutants |
| -NFRAP | No Further Remedial Action Planned (Delisted CERCLA Site) |
| -NOI | Notice of Intent |
| -NOV | Notice of Violation |
| -NPDES | National Pollution Discharge Elimination System |
| -NPL | National Priorities List |
| -NRC | Nuclear Regulatory Commission |
| -NRIS | Nuclear Regulatory Information System |
| -OSHA | Occupational Safety and Health Administration |
| -PADS | PCB Activity Database System |

Acronyms and Abbreviations

| | |
|---------|---|
| -PCB | Polychlorinated Biphenyls |
| -POTW | Publicly-Owned Treatment Works |
| -PPM | Parts Per Million |
| -PRP | Potentially Responsible Parties |
| -RAATS | RCRA Administrative Action Tracking System |
| -RCRA | Resource Conservation and Recovery Act of 1976 |
| -RCRIS | Resource Conservation and Recovery Information System |
| -RFA | RCRA Facility Assessment |
| -RFI | RCRA Facility Investigation |
| -RI | Remedial Investigation (CERCLA) |
| -SARA | Superfund Amendments and Reauthorization Act of 1986 |
| -SCS | Soil Conservation Service |
| -SDWA | Safe Drinking Water Act |
| -SETS | Superfund Enforcement Tracking System |
| -SSTS | Section Seven Tracking System |
| -SWF/LF | Solid Waste Facilities / Landfills |
| -TIGER | Topologically Integrated Geographic Encoding and Referencing System |
| -TRI | Toxic Release Inventory |
| -TSCA | Toxic Substances Control Act |
| -TSD | Treatment, Storage, or Disposal Facility |
| -USDA | U.S. Department of Agriculture |
| -USGS | U.S. Geological Survey |
| -UST | Underground Storage Tank |
| -WWTP | Wastewater Treatment Plant |

APPENDIX C

PROPERTY CARDS AND RECENT DEEDS

| DWELLING DATA & COMPUTATIONS | | | | | | | | | | COMMERCIAL BUILDING DATA & COMPUTATIONS | | | | | | | | | |
|------------------------------|--|--|--|--|--------------------------|--|--|--|--|---|--|--|--|--|--------------------------|--|--|--|--|
| OCCUPANCY | | | | | WALLS | | | | | ROOFING | | | | | CONSTRUCTION | | | | |
| FRAME/STUCCO | | | | | CONCRETE BLOCK | | | | | METAL | | | | | 1 BRICK | | | | |
| CONCRETE BLOCK | | | | | BRICK/STONE | | | | | SHINGLE | | | | | 2 STUCCO | | | | |
| BRICK/STONE | | | | | | | | | | B 1 2 | | | | | 3 GLASS | | | | |
| | | | | | | | | | | | | | | | 4 CONC. BLK. | | | | |
| | | | | | | | | | | | | | | | 5 STUCCO | | | | |
| | | | | | | | | | | | | | | | 6 TILE | | | | |
| | | | | | | | | | | | | | | | 7 STONE | | | | |
| | | | | | | | | | | | | | | | 8 METAL | | | | |
| | | | | | | | | | | | | | | | 9 CONCRETE | | | | |
| | | | | | | | | | | | | | | | 0 EXAM. STL. | | | | |
| TOTAL ROOMS | | | | | TOTAL ROOMS | | | | | TOTAL ROOMS | | | | | TOTAL ROOMS | | | | |
| BED ROOMS | | | | | BED ROOMS | | | | | BED ROOMS | | | | | BED ROOMS | | | | |
| FAMILY ROOM | | | | | FAMILY ROOM | | | | | FAMILY ROOM | | | | | FAMILY ROOM | | | | |
| BASEMENT | | | | | BASEMENT | | | | | BASEMENT | | | | | BASEMENT | | | | |
| HEATING | | | | | HEATING | | | | | HEATING | | | | | HEATING | | | | |
| WARM AIR | | | | | WARM AIR | | | | | WARM AIR | | | | | WARM AIR | | | | |
| HOT WATER/STEAM | | | | | HOT WATER/STEAM | | | | | HOT WATER/STEAM | | | | | HOT WATER/STEAM | | | | |
| FLOOR FURNACE | | | | | FLOOR FURNACE | | | | | FLOOR FURNACE | | | | | FLOOR FURNACE | | | | |
| UNIT HEATERS | | | | | UNIT HEATERS | | | | | UNIT HEATERS | | | | | UNIT HEATERS | | | | |
| PLUMBING | | | | | PLUMBING | | | | | PLUMBING | | | | | PLUMBING | | | | |
| BATH ROOMS | | | | | BATH ROOMS | | | | | BATH ROOMS | | | | | BATH ROOMS | | | | |
| STANDARD | | | | | STANDARD | | | | | STANDARD | | | | | STANDARD | | | | |
| BATHROOM | | | | | BATHROOM | | | | | BATHROOM | | | | | BATHROOM | | | | |
| TOILET ROOM | | | | | TOILET ROOM | | | | | TOILET ROOM | | | | | TOILET ROOM | | | | |
| SINK/LAVATORY | | | | | SINK/LAVATORY | | | | | SINK/LAVATORY | | | | | SINK/LAVATORY | | | | |
| WATER CLOSET/URINAL | | | | | WATER CLOSET/URINAL | | | | | WATER CLOSET/URINAL | | | | | WATER CLOSET/URINAL | | | | |
| ATTIC | | | | | ATTIC | | | | | ATTIC | | | | | ATTIC | | | | |
| ROOF | | | | | ROOF | | | | | ROOF | | | | | ROOF | | | | |
| SHINGLE-ASPHALT/ASBESTOS | | | | | SHINGLE-ASPHALT/ASBESTOS | | | | | SHINGLE-ASPHALT/ASBESTOS | | | | | SHINGLE-ASPHALT/ASBESTOS | | | | |
| SLATE/TILE/METAL | | | | | SLATE/TILE/METAL | | | | | SLATE/TILE/METAL | | | | | SLATE/TILE/METAL | | | | |
| COMP ON WOOD FRAME | | | | | COMP ON WOOD FRAME | | | | | COMP ON WOOD FRAME | | | | | COMP ON WOOD FRAME | | | | |
| DWELLING COMPUTATIONS | | | | | | | | | | SUMMARY OF OTHER BUILDINGS | | | | | | | | | |
| ARCHITECTURAL STYLE | | | | | | | | | | TYPE | | | | | | | | | |
| 1. BI-LEVEL | | | | | | | | | | GARAGE | | | | | | | | | |
| 2. SPLIT-LEVEL | | | | | | | | | | TYPE | | | | | | | | | |
| 3. RANCH | | | | | | | | | | DATE | | | | | | | | | |
| 4. CAPE COD | | | | | | | | | | LISTED | | | | | | | | | |
| 5. COLONIAL | | | | | | | | | | 75K | | | | | | | | | |
| 6. CONTEMP. | | | | | | | | | | DATE 11-2-72 | | | | | | | | | |
| 7. ROW TYPE | | | | | | | | | | TOTAL TRUE VALUE OTHER BUILDINGS | | | | | | | | | |
| 8. OLD STYLE | | | | | | | | | | TOTAL TRUE VALUE ALL BUILDINGS | | | | | | | | | |
| 9. CONVENT'L | | | | | | | | | | 8530 | | | | | | | | | |
| RATING/KITCHEN | | | | | | | | | | GRADE | | | | | | | | | |
| 1. COMMENSURATE WITH GRADE | | | | | | | | | | ERECTED | | | | | | | | | |
| 2. POORER | | | | | | | | | | COU | | | | | | | | | |
| 3. BETTER | | | | | | | | | | REPL. VALUE | | | | | | | | | |
| HEATING RATING | | | | | | | | | | DEPR. | | | | | | | | | |
| 1. ADEQUATE | | | | | | | | | | TRUE VALUE | | | | | | | | | |
| 2. INADEQUATE | | | | | | | | | | | | | | | | | | | |
| ATTACHED GARAGE | | | | | | | | | | | | | | | | | | | |
| INTERIOR CONDITION | | | | | | | | | | | | | | | | | | | |
| 1. GOOD | | | | | | | | | | | | | | | | | | | |
| 2. FAIR | | | | | | | | | | | | | | | | | | | |
| 3. POOR | | | | | | | | | | | | | | | | | | | |
| EXTERIOR CONDITION | | | | | | | | | | | | | | | | | | | |
| 1. GOOD | | | | | | | | | | | | | | | | | | | |
| 2. FAIR | | | | | | | | | | | | | | | | | | | |
| 3. POOR | | | | | | | | | | | | | | | | | | | |
| RELATIVE DESIRABILITY | | | | | | | | | | | | | | | | | | | |
| 1. GOOD | | | | | | | | | | | | | | | | | | | |
| 2. FAIR | | | | | | | | | | | | | | | | | | | |
| 3. POOR | | | | | | | | | | | | | | | | | | | |
| TRUE VALUE | | | | | | | | | | | | | | | | | | | |

[illegible]

Form with multiple sections: OCCUPANCY, LIVING ACCOMMODATIONS, BASEMENT, HEATING, WARM AIR, FLOOR FINISH, PLUMBING, BATH, STANDARD, TOILET ROOM, SINK/LAVATORY, WATER CLOSET/URINAL, ATTIC, ROOF, SHINGLE-ASPHALT/ASBESTOS, SLATE/TILE/METAL, CORR. ON WOOD FRAME, DWELLING COMPUTATIONS, BASEMENT, HEATING, PLUMBING, ATTIC, TOTAL, REPL. VALUE, TRUE VALUE.

Form with multiple sections: SUMMARY OF OTHER BUILDINGS, TOTAL TRUE VALUE ALL BUILDINGS, TOTAL TRUE VALUE OTHER BUILDINGS, TOTAL TRUE VALUE ALL BUILDINGS, TOTAL TRUE VALUE OTHER BUILDINGS, TOTAL TRUE VALUE ALL BUILDINGS, TOTAL TRUE VALUE OTHER BUILDINGS.

GRADE DENOTES QUALITY OF CONSTRUCTION: A-EXCELLENT; B-GOOD; C-AVERAGE; D-CHEAP; E-VERY CHEAP
CDU FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING

CODE - LATER - TRIUMPH CO./HYDRA-SECS
SD C-148

| DISTRICT | SECTION | BLOCK | LOT |
|----------|---------|-------|-----|
| | 15 | 24 | 22 |

2/20/01

| RECORD OF OWNERSHIP | DATE | BOOK - PAGE | SALES PRICE |
|--|----------|-------------|-------------|
| Dollar to Dollar | 10/2/187 | 184/315 | None |
| Dollar to Euro - Foreign - Petro & Greco | 4/29/96 | 120/1494 | None |

[illegible][illegible]

UNIVERSITY DATA - JIMPU 95
OCCUPANCY: 13
WALLS:
FRAME/STUCCO
CONCRETE BLOCK
BRICK/STONE
TOTAL BED ROOMS: 1
TOTAL BATH ROOMS: 1
TOTAL KITCHEN: 1
TOTAL LIVING ROOMS: 1
TOTAL DINING ROOMS: 1
TOTAL PORCHES: 1
TOTAL ATTIC: 1
TOTAL GARAGE: 1
TOTAL TRUVALUE: 790

DAVED TOKING LOT
Mr. Don't Shop
Packing Area
SUMMARY OF OTHER BUILDINGS
TOTAL TRUE VALUE OTHER BUILDINGS: 1580
TOTAL TRUE VALUE ALL BUILDINGS: 790
TOTAL TRUVALUE OTHER BUILDINGS: 1580
TOTAL TRUE VALUE ALL BUILDINGS: 790

GRADE DENOTES QUALITY OF CONSTRUCTION: A-EXCELLENT, B-GOOD, C-AVERAGE, D-CHEAP, E-VERY CHEAP
CDU FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING

| DISTRICT | SECTION | BLOCK | LOT |
|----------|---------|-------|------|
| | | 04 | 0038 |
| | | | 0101 |

| RECORD OF OWNERSHIP | DATE | BOOK - PAGE | SALES PRICE |
|------------------------------------|-------|-------------|-------------|
| WILLIAM BENDO % MR. DONUT CORP. | | | |
| 89 PROVIDENCE HWY. WESTWOOD, MASS. | 02090 | | |
| DUPLICATE DIV 1 | | | |

| | | |
|--|----------------|------|
| Greg. O. H. Bando to W. G. Bando w/ G. Bando | 8/10/97/29/589 | None |
|--|----------------|------|

| 0 COMPUTATIONS | | | | PROPERTY CLASSIFICATION CODE | | | | ASSESSMENT RECORD | | | |
|----------------|------------|------------|--|------------------------------|------------------------|--|--|-------------------|--------|-------|-----|
| TRUE VALUE | TRUE VALUE | TRUE VALUE | | AGRICULTURAL - 100 | COMMERCIAL - 200 | | | LAND | BLDGS. | TOTAL | EX. |
| 223040 | | | | 110 - Dairy products | 410 - Other commercial | | | | | | |
| 5280 | | | | 111 - Poultry & products | 411 - Auto. other than | | | | | | |
| | | | | 112 - Dairy products | 412 - Automobile apt. | | | | | | |
| | | | | 113 - Dairies, eggs | 413 - Cooperative apt. | | | | | | |
| | | | | 114 - Sheep & wool | 414 - Hotel | | | | | | |
| | | | | 115 - Dairy products | 415 - Motel | | | | | | |
| | | | | 116 - Other livestock | 416 - Home with apt. | | | | | | |
| | | | | 120 - Field Crops | 417 - Camps & cottages | | | | | | |
| | | | | 130 - Truck Crops | 418 - Other transient | | | | | | |
| | | | | 140 - Truck Crops | 419 - Other transient | | | | | | |
| | | | | 150 - Orchard Crops | 420 - Other commercial | | | | | | |
| | | | | 151 - Tree fruits | 421 - Other commercial | | | | | | |
| | | | | 152 - Other fruits | 422 - Other commercial | | | | | | |
| | | | | 160 - Other fruits | 423 - Other commercial | | | | | | |
| | | | | 170 - Nursery/Greenhouse | 424 - Other commercial | | | | | | |
| | | | | 180 - For products | 425 - Other commercial | | | | | | |
| | | | | 190 - Other products | 426 - Other commercial | | | | | | |
| | | | | 200 - Preserves | 427 - Other commercial | | | | | | |
| | | | | 210 - 1 Family Year Round | 428 - Other commercial | | | | | | |
| | | | | 220 - 2 Family Year Round | 429 - Other commercial | | | | | | |
| | | | | 230 - 3 Family Year Round | 430 - Other commercial | | | | | | |
| | | | | 240 - Rural Residence | 431 - Other commercial | | | | | | |
| | | | | 250 - W/ Acreage | 432 - Other commercial | | | | | | |
| | | | | 260 - Seasonal | 433 - Other commercial | | | | | | |
| | | | | 270 - Mobile Home | 434 - Other commercial | | | | | | |
| | | | | 280 - Mobile Home | 435 - Other commercial | | | | | | |
| | | | | 290 - Mobile Home | 436 - Other commercial | | | | | | |
| | | | | 300 - Commercial | 437 - Other commercial | | | | | | |
| | | | | 310 - Commercial | 438 - Other commercial | | | | | | |
| | | | | 320 - Commercial | 439 - Other commercial | | | | | | |
| | | | | 330 - Commercial | 440 - Other commercial | | | | | | |
| | | | | 340 - Commercial | 441 - Other commercial | | | | | | |
| | | | | 350 - Other commercial | 442 - Other commercial | | | | | | |
| | | | | 360 - Other commercial | 443 - Other commercial | | | | | | |
| | | | | 370 - Other commercial | 444 - Other commercial | | | | | | |
| | | | | 380 - Other commercial | 445 - Other commercial | | | | | | |
| | | | | 390 - Other commercial | 446 - Other commercial | | | | | | |
| | | | | 400 - Other commercial | 447 - Other commercial | | | | | | |
| | | | | 410 - Other commercial | 448 - Other commercial | | | | | | |
| | | | | 420 - Other commercial | 449 - Other commercial | | | | | | |
| | | | | 430 - Other commercial | 450 - Other commercial | | | | | | |
| | | | | 440 - Other commercial | 451 - Other commercial | | | | | | |
| | | | | 450 - Other commercial | 452 - Other commercial | | | | | | |
| | | | | 460 - Other commercial | 453 - Other commercial | | | | | | |
| | | | | 470 - Other commercial | 454 - Other commercial | | | | | | |
| | | | | 480 - Other commercial | 455 - Other commercial | | | | | | |
| | | | | 490 - Other commercial | 456 - Other commercial | | | | | | |
| | | | | 500 - Other commercial | 457 - Other commercial | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | | | |
|--------------------------|--|---------------------------|--|------------------------|--|
| OCCUPANCY | | JMPU | | NS | |
| LIVING ACCOMMODATIONS | | FRAME/STUCCO | | WALLS | |
| TOTAL BED ROOMS | | CONCRETE BLOCK | | BRICK/STONE | |
| BATHROOMS | | FLOORS | | CONCRETE | |
| BATHROOMS | | WOOD | | TILE | |
| HOT WATER/STEAM | | INTERIOR FINISH | | WOOD | |
| FLOOR FINISH | | PLASTER/DRY WALL | | FIBERBOARD | |
| UNIT HEATERS | | UNFINISHED | | OTHER FEATURES | |
| BATH ROOMS | | PT MASONRY WALLS | | FIREPLACE | |
| STANDARD | | BSMT. REC. ROOM | | FIN. BSMT. LIVING AREA | |
| TOILET ROOM | | BSMT. GARAGE | | MODERNIZED KITCHEN | |
| SINK/LAVATORY | | ERECTED/REMODELED | | AGE/CDU RATING | |
| WATER CLOSET/URINAL | | SINK/TOILET | | SINK/TOILET | |
| ATTIC | | COUNTY USE ONLY | | ARCHITECTURAL STYLE | |
| ROOF | | 1 BLEVEL | | 4 CARP. CDD | |
| SHINGLE-ASPHALT/ASBESTOS | | 2 SPLIT-LEVEL | | 5 COLONIAL | |
| SLATE/TILE/METAL | | 3 RANCH | | 6 CONTEMP. | |
| COMP ON WOOD FRAME | | COUNTY USE ONLY | | ARCHITECTURAL STYLE | |
| DWELLING COMPUTATIONS | | 1 BLEVEL | | 4 CARP. CDD | |
| BASEMENT | | 2 SPLIT-LEVEL | | 5 COLONIAL | |
| HEATING | | 3 RANCH | | 6 CONTEMP. | |
| PLUMBING | | RATING/KITCHEN | | BATHROOM | |
| ATTIC | | 1 COMMENSURATE WITH GRADE | | 2 POORER | |
| TOTAL | | HEATING RATING | | 1 ADEQUATE | |
| TOTAL | | ATTACHED GARAGE | | 1 INTERIOR CONDITION | |
| TOTAL | | GOOD AVG. FAIR | | POOR | |
| TOTAL | | EXTERIOR CONDITION | | 1 GOOD | |
| TOTAL | | GOOD AVG. FAIR | | POOR | |
| REPL. VALUE | | RELATIVE DESIRABILITY | | 1 GOOD | |
| TOTAL | | 2 AVG. | | 3 FAIR | |
| TOTAL | | 4 POOR | | TOTAL LIVING AREA | |

CLT © 1972

| | | | | | |
|----------------------------------|--|----------|--|----|--|
| ITEM DESCRIPTION | | A. PRICE | | B. | |
| PLUMBING FIXTURES | | 1 | | 1 | |
| TOTAL SPECIAL FEATURES | | 1 | | 1 | |
| TOTAL TRUE VALUE OTHER BUILDINGS | | 1 | | 1 | |
| TOTAL TRUE VALUE ALL BUILDINGS | | 1 | | 1 | |

Mr. Peter Donat
 20yr lease exp. Dec. 2, 1989 = 900 p/m.
 4th fl. - Tower - Main fl.
 Bldg. Cost 46,000

RC OH (400)

15 BIK (1593)

33 27 45 14

17720 34580

GRADE DENOTES QUALITY OF CONSTRUCTION: A-EXCELLENT, B-GOOD, C-AVERAGE, D-CHEAP, E-VERY CHEAP
 CDU FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING

CDL - LAYER - TRIMBLE CO. / JPM/ALB
 10 C-148

OWNER AND DESCRIPTION

County # 411-2-7

406405 201-13 Washington 80785

130x120
Coml.

WILLIAM B. REALTY CORP.

113 W. 3RD ST.

CITY 14701

23860 25200

25200

[illegible]

Bigelow's Parking Lot.

MEMORANDA

BUILDING PERMIT RECORD

1973 ©

Form with multiple sections for building details including: LIVING ACCOMMODATIONS, BASEMENT, HEATING, PLUMBING, ROOF, DWELLING COMPUTATIONS, and various room-specific data.

Form with multiple sections for building details including: ROOFING, FINISHES, UTILITIES, and a SUMMARY OF OTHER BUILDINGS table.

GRADE DENOTES QUALITY OF CONSTRUCTION: A-EXCELLENT; B-GOOD; C-AVERAGE; D-CHEAP; E-VERY CHEAP

CDU FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING

CODE - LATER - TRIUMAL CO./APR/1972

DO C-148

OWNER AND DESCRIPTION

406406- 212 W. 2ND ST.

406408B 62.7 L

007209 IND.

JOURNAL PRESS, INC.

212 W. 2ND ST.

CITY

6205 47200

47200

411-2-28

1665

4064088 62.7

007209 IND.

JOURNAL PRESS, INC.

212 W. 2ND ST.

CITY

6205 47200

47200

| DISTRICT | | SECTION | | BLOCK | LOT | ROUTING NUMBER | | BOOK - PAGE | DATE | SALES PRICE |
|--|--|------------|--|-------------|-----|----------------|--|-------------|------|-------------|
| 0668100 | | 466 | | 04 | | 016 | | | | |
| GRID COORDINATES | | CLASS CODE | | CARD NUMBER | | | | | | |
| E | | 482C | | 01 of 01 | | | | | | |
| RECORD OF OWNERSHIP | | | | | | | | | | |
| <p>Deeded to Robert L. ...</p> <p>By ...</p> <p>By ...</p> <p>By ...</p> | | | | | | | | | | |

[illegible]

| GENERAL PROPERTY FACTORS | | NEIGHBORHOOD FACTORS | | LOT FACTORS | |
|--------------------------|-------------|---------------------------------|-------------|--|--------|
| TREND | | NEIGHBORHOOD I.D. | | LANDSCAPING RATING | |
| 1 IMPROVING | 2 STATIC | 3 DECLINING | 1 EXCELLENT | 2 GOOD | 3 FAIR |
| 4 POOR | 5 VERY POOR | 6 NONE | 7 EXCELLENT | 8 GOOD | 9 FAIR |
| TOPOGRAPHY RATING | | TYPE | | DRIVEWAY | |
| 1 GOOD | | 1 RURAL | | 1 IMPROVED | |
| 2 FAIR | | 2 URBAN | | 2 UNIMPROVED | |
| 3 POOR | | 3 SUBURBAN | | 3 FRONTING TRAFFIC | |
| 4 VERY POOR | | 4 SUBDIVISION | | 4 HEAVY | |
| 5 NONE | | 5 INFLUENCE ON SUBJECT PROPERTY | | 5 NONE | |
| 6 NONE | | 6 DEVALUING | | 6 COMPARISON TO NEIGHBORING PROPERTIES | |
| 7 NONE | | 7 ENHANCING | | 7 LOT | |
| 8 NONE | | 8 DESIRABILITY RATING | | 8 IMPROVEMENTS | |
| 9 NONE | | 9 EXCELLENT | | 9 TYPICAL | |
| 10 NONE | | 10 AVERAGE | | 10 POORER | |
| 11 NONE | | 11 FAIR | | 11 BETTER | |
| 12 NONE | | 12 VERY POOR | | 12 NONE | |

[illegible][illegible]

| STREET OR ROAD | | | | TYPE | | | | BUILDING PERMIT RECORD | | | | |
|----------------|-----------|-----------|----------------|--------------------------------------|------------|---------------|------------------|------------------------|------------|-----------|---------|-------------|
| 1 GOOD | 2 FAIR | 3 POOR | 4 VERY POOR | 1 RURAL | 2 URBAN | 3 SUBURBAN | 4 SUBDIVISION | DATE | PERMIT NO. | EST. COST | PURPOSE | ADDED VALUE |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | |
| PAVED | | | | INFLUENCE ON SUBJECT PROPERTY | | | | DRIVEWAY | | | | |
| UNPAVED | | | | 1 NONE | | | | 1 IMPROVED | | | | |
| SIDEWALK | | | | 2 DEVALUING | | | | 2 UNIMPROVED | | | | |
| YES | | | | 3 ENHANCING | | | | 3 FRONTING TRAFFIC | | | | |
| NO | | | | 4 IMPROVEMENTS | | | | 4 HEAVY | | | | |
| ALLEY | | | | COMPARISON TO NEIGHBORING PROPERTIES | | | | | | | | |
| YES | | | | 1 EXCELLENT | | | | 1 LOT | | | | |
| NO | | | | 2 VERY GOOD | | | | 2 IMPROVEMENTS | | | | |
| | | | | 3 AVERAGE | | | | 3 POORER | | | | |
| | | | | 4 FAIR | | | | 4 BETTER | | | | |
| | | | | 5 POOR | | | | 5 NONE | | | | |
| | | | | 6 VERY POOR | | | | | | | | |
| | | | | 7 GAS | | | | | | | | |
| | | | | 8 ELECTRICITY | | | | | | | | |
| | | | | 9 PUBLIC | | | | | | | | |
| | | | | 10 PRIVATE | | | | | | | | |
| | | | | 11 WATER | | | | | | | | |
| | | | | 12 SEWER | | | | | | | | |
| | | | | 13 ALL | | | | | | | | |

Form with multiple sections: OCCUPANCY, INS, COMPI, WALS, FRAME/STUCCO, CONCRETE BLOCK, BRICK/STONE, LIVING ACCOMMODATIONS, BED ROOMS, FAMILY ROOMS, TOTAL, BASEMENT, FLOORS, INTERIOR FINISH, WOOD, TILE, WOOD/STL FRAME, WARM AIR, HOT WATER/STEAM, FLOOR FURNACE, UNIT HEATERS, PLUMBING, BATH, STANDARD, BATHROOM, TOILET ROOM, SINK/LAVATORY, WATER CLOSET/URINAL, ATTIC, ROOF, SHINGLE-ASPHALT/ASBESTOS, SLATE/TILE/METAL, CORR ON WOOD FRAME, DWELLING COMPUTATIONS, BASEMENT, HEATING, PLUMBING, ATTIC, TOTAL, TOTAL, TOTAL, TOTAL, REPL. VALUE, TRUE VALUE.

611 © 1972

GRADE DEOTES QUALITY OF CONSTRUCTION: A-EXCELLENT; B-GOOD; C-AVERAGE; D-CHEAP; E-VERY CHEAP
CDD FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING

Form with multiple sections: COMPI, L BUILDINGS, DATA, COMPI BUILDINGS, SUMMARY OF OTHER BUILDINGS, TYPE, NO., CONSTRUCTION, SIZE, RATE, GRADE, ERECTED, CDD, REL. VALUE, DEPR., TRUE VALUE, LISTED, DATE, TOTAL TRUE VALUE OTHER BUILDINGS, TOTAL TRUE VALUE ALL BUILDINGS.

CODE - LAYER - TRIMBLE CO./PYPALISERS
80 C-148

Lafayette St.

1527 JAMESTOWN NEWSPAPER CORP.
311 WASHINGTON ST.
CITY

1030 1030 1030

[illegible]

CHAUTAUQUA COUNTY, NEW YORK

COLE • LAYER • TRUMBLE CO./APPRAISERS

DWELLING DATA & COMPUTATIONS

| OCCUPANCY | | WALLS | |
|--------------------------|--|--------------------------------------|--|
| FAMILY ROOM | | FRAME/STUCCO | |
| TOTAL ROOMS | | CONCRETE BLOCK | |
| BED ROOMS | | BRICK/STONE | |
| BATH | | FLOORS | |
| STANDARD | | B 1 2 3 | |
| BATHROOM | | CONCRETE | |
| SINK/LAVATORY | | WOOD | |
| WATER CLOSET/URINAL | | TILE | |
| ATTIC | | WD/STL FRAME | |
| ROOF | | INTERIOR FINISH | |
| SHINGLE-ASPHALT/ASBESTOS | | B 1 2 3 | |
| SLATE/TILE/METAL | | PLASTER/DRY WALL | |
| COMP ON WOOD FRAME | | FIBERBOARD | |
| DWELLING COMPUTATIONS | | UNFINISHED | |
| BASEMENT | | OTHER FEATURES | |
| HEATING | | PT MASONRY WALLS | |
| PLUMBING | | FIREPLACE | |
| ATTIC | | BSMT. REC. ROOM | |
| TOTAL | | FIN. BSMT. LIVING AREA | |
| REPL VALUE | | BSMT. GARAGE | |
| TOTAL | | MODERNIZED KITCHEN | |
| TOTAL | | ERECTED/REMODELED | |
| TOTAL | | AGE/COD RATING | |
| TOTAL | | SOLD 19 | |
| TOTAL | | FOR \$ | |
| TOTAL | | INCLUDING CARDS | |
| TOTAL | | COUNTY USE ONLY | |
| TOTAL | | ARCHITECTURAL STYLE | |
| TOTAL | | 1 BL-LEVEL 4 CAPE COD 7 ROW TYPE | |
| TOTAL | | 2 SPLIT-LEVEL 5 COLONIAL 8 OLD STYLE | |
| TOTAL | | 3 RANCH 6 CONTEMPY. 9 CONVENTL | |
| TOTAL | | RATING/KITCHEN BATHROOM | |
| TOTAL | | 1 COMMENSURATE WITH GRADE | |
| TOTAL | | 2 POORER 3 BETTER | |
| TOTAL | | HEATING RATING | |
| TOTAL | | 1 ADEQUATE 2 INADEQUATE | |
| TOTAL | | ATTACHED GARAGE | |
| TOTAL | | INTERIOR CONDITION | |
| TOTAL | | 1 GOOD 2 FAIR 3 POOR | |
| TOTAL | | EXTERIOR CONDITION | |
| TOTAL | | 1 GOOD 2 FAIR 3 POOR | |
| TOTAL | | RELATIVE DESIRABILITY | |
| TOTAL | | 1 GOOD 2 FAIR 3 POOR | |
| TOTAL | | TOTAL LIVING AREA | |
| TOTAL | | TOTAL TRUE VALUE | |

COMMERCIAL BUILDING DATA & COMPUTATIONS

| ROOFING | | SLATE OR TILE | | SHINGLE | | B 1 2 | | ALL | | CONSTRUCTION | | A. 1 2 3 4 5 6 7 8 9 10 | | B. 1 2 3 4 5 6 7 8 9 10 | |
|-------------------|--|-------------------|--|-------------------|--|--------------------|--|---------------------|--|--------------------------------|--|--------------------------------|--|--------------------------------|--|
| COMPOSITION | | METAL | | FRAMING | | WOOD JOIST | | FIRE RESISTANT | | FIRE PROOF | | FLOORS | | NO. OF UNITS | |
| METAL | | FRAMING | | WOOD JOIST | | FIRE RESISTANT | | FIRE PROOF | | FLOORS | | NO. OF UNITS | | AV. UNIT SIZE | |
| WOOD JOIST | | FIRE RESISTANT | | FIRE PROOF | | FLOORS | | NO. OF UNITS | | AV. UNIT SIZE | | EFF. PERIMETER L/F | | PERIM. AREA RATIO % | |
| FIRE RESISTANT | | FIRE PROOF | | FLOORS | | NO. OF UNITS | | AV. UNIT SIZE | | EFF. PERIMETER L/F | | PERIM. AREA RATIO % | | HT. | |
| FIRE PROOF | | FLOORS | | NO. OF UNITS | | AV. UNIT SIZE | | EFF. PERIMETER L/F | | PERIM. AREA RATIO % | | HT. | | BASEMENT | |
| FLOORS | | NO. OF UNITS | | AV. UNIT SIZE | | EFF. PERIMETER L/F | | PERIM. AREA RATIO % | | HT. | | BASEMENT | | FIRST | |
| CONCRETE | | WOOD | | TILE | | FINISH TYPE | | UNFINISHED | | FINISHED OPEN | | FINISHED DIVIDED | | USE | |
| WOOD | | TILE | | FINISH TYPE | | UNFINISHED | | FINISHED OPEN | | FINISHED DIVIDED | | USE | | STORE | |
| TILE | | FINISH TYPE | | UNFINISHED | | FINISHED OPEN | | FINISHED DIVIDED | | USE | | STORE | | OFFICE | |
| FINISH TYPE | | UNFINISHED | | FINISHED OPEN | | FINISHED DIVIDED | | USE | | STORE | | OFFICE | | APARTMENT | |
| UNFINISHED | | FINISHED OPEN | | FINISHED DIVIDED | | USE | | STORE | | OFFICE | | APARTMENT | | WAREHOUSE | |
| FINISHED OPEN | | FINISHED DIVIDED | | USE | | STORE | | OFFICE | | APARTMENT | | WAREHOUSE | | VACANT | |
| FINISHED DIVIDED | | USE | | STORE | | OFFICE | | APARTMENT | | WAREHOUSE | | VACANT | | ABANDONED | |
| USE | | STORE | | OFFICE | | APARTMENT | | WAREHOUSE | | VACANT | | ABANDONED | | HEATING | |
| STORE | | OFFICE | | APARTMENT | | WAREHOUSE | | VACANT | | ABANDONED | | HEATING | | CENTRAL WARM AIR | |
| OFFICE | | APARTMENT | | WAREHOUSE | | VACANT | | ABANDONED | | HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | |
| APARTMENT | | WAREHOUSE | | VACANT | | ABANDONED | | HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | |
| WAREHOUSE | | VACANT | | ABANDONED | | HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | |
| VACANT | | ABANDONED | | HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | |
| ABANDONED | | HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | | AREA/CUBE | |
| HEATING | | CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | |
| CENTRAL WARM AIR | | HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | |
| HOT WATER/STEAM | | UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | |
| UNIT HEATERS | | NO HEATING | | AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | |
| NO HEATING | | AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | | OTHER | |
| AIR CONDITIONING | | AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | | OTHER | | SPRINKLER | |
| AREA/CUBE | | SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | | OTHER | | SPRINKLER | | TOTAL BASE | |
| SUB TOTAL | | SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | | OTHER | | SPRINKLER | | TOTAL BASE | | GRADE FACTOR | |
| SPECIAL FEATURES* | | ADDITIONS | | TOILET ROOMS | | OTHER | | SPRINKLER | | TOTAL BASE | | GRADE FACTOR | | REPL. COST | |
| ADDITIONS | | TOILET ROOMS | | OTHER | | SPRINKLER | | TOTAL BASE | | GRADE FACTOR | | REPL. COST | | TOTAL TRUE VALUE | |
| TOILET ROOMS | | OTHER | | SPRINKLER | | TOTAL BASE | | GRADE FACTOR | | REPL. COST | | TOTAL TRUE VALUE | | TOTAL TRUE VALUE ALL BUILDINGS | |
| OTHER | | SPRINKLER | | TOTAL BASE | | GRADE FACTOR | | REPL. COST | | TOTAL TRUE VALUE | | TOTAL TRUE VALUE ALL BUILDINGS | | TOTAL TRUE VALUE ALL BUILDINGS | |
| SPRINKLER | | TOTAL BASE | | GRADE FACTOR | | REPL. COST | | TOTAL TRUE VALUE | | TOTAL TRUE VALUE ALL BUILDINGS | | TOTAL TRUE VALUE ALL BUILDINGS | | TOTAL TRUE VALUE ALL BUILDINGS | |

SUMMARY OF OTHER BUILDINGS

| TYPE | NO. | CONSTRUCTION | SIZE | RATE | GRADE | ERECTED | COU | REPL. VALUE | DEPR. | TRUE VALUE |
|----------------------------------|-----|-----------------------|------------|------|-------|---------|-----|-------------|-------|------------|
| GARAGE | | | | | | | | | | |
| Pool | | Asphalt | 1700 sq ft | 45 | | | | 760 | 50 | 380 |
| 6' Concrete Fence | | 72 ft. long | | 3.50 | C | 1983 | | 250 | 80 | 130 |
| Top Rail | | 72 " " (6' x 6' x 6') | | 1.15 | C | " | | 10 | 50 | 10 |
| Swing Gate | | 6 x 12 | 72 ft | 80 | C | " | | 60 | 50 | 30 |
| LISTED | PSK | DATE 11-2-72 | | | | | | | | |
| TOTAL TRUE VALUE OTHER BUILDINGS | | | | | | | | | | 350 |
| TOTAL TRUE VALUE ALL BUILDINGS | | | | | | | | | | 550 |

GRADE DENOTES QUALITY OF CONSTRUCTION: A-EXCELLENT; B-GOOD; C-AVERAGE; D-CHEAP; E-VERY CHEAP
 COU FACTOR REFERS TO THE CONDITION, DESIRABILITY, AND USEFULNESS OF THE BUILDING



This Indenture, Made the 28th day of
January Nineteen Hundred and Ninety-three.
Between BARBARA D. GREEN
Shore Acres
Bemus Point, New York

LIBER 2287 PAGE 93

party of the first part, and

ROBERT E. GREEN, JR.
Shore Acres
Bemus Point, New York

Witnesseth that the party of the first part, in consideration of

One Dollar (\$ 1.00-----)
lawful money of the United States,
paid by the party of the second part, does hereby grant and release unto the
party of the second part, his heirs and assigns forever, all

THAT TRACT OR PARCEL OF LAND, situate in the City of Jamestown, County of Chautauqua and State of New York, and being part of Lot 34, Town 2, and Range 11 of the Holland Land Company's Survey, and bounded and described as follows: Beginning at a point in the northerly line of West Second Street, sixty (60) feet easterly from the intersection of the northerly line of West Second Street and the easterly line of Lafayette Street; running thence northerly parallel with Lafayette Street, one hundred (100) feet; thence easterly parallel with West Second Street about sixty (60) feet, more or less, to the westerly line of an alley known as Rose Alley (formerly Baker's Alley); thence southerly along the westerly line of Rose Alley (formerly Baker's Alley) one hundred (100) feet to the northerly line of West Second Street; thence westerly along the northerly line of West Second Street sixty (60) feet more or less to the place of beginning, be the same more or less.

Being the same premises as were conveyed by Lucy M. Hall to Journal Press, Inc. by warranty deeds dated April 19, 1924, and August 26, 1925, and recorded in the office of the Chautauqua County Clerk in Liber 506 of Deeds at Page 472 and Liber 528 of Deeds at Page 359, respectively, and by Henri M. Hall, Levant M. Hall, John A. Hall, and Frederick P. Hall, Jr., as Executors of the Last Will and Testament of Frederick P. Hall by Executors' Deed dated December 17, 1946, and recorded in Liber 966 of Deeds at Page 308.

RECEIVED

FEB - 1 1993

Chautau. Co. Clerk's Office
Ans'd By

DEPT. OF ASSESSMENTS CITY OF JAMESTOWN NY.
REGISTERED January 29, 1993
REF 121
308 H Wickenburg

ATTY Bortey + Robinson
DEED WARRANTY w/ Lien Cov.
REV STAMPS None MORTGAGE
PARCEL # 406406-03B

CHAUTAUQUA COUNTY TAX MAP.

4 Sec 11 Blk 2 Lot 8

Dated
C. - 05

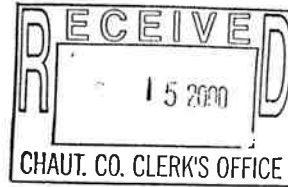
Warranty Deed

2450-781

This Indenture, Made the 29th day of August, Two Thousand

Between

KENNETH P. KING
227 Indiana Avenue
Jamestown, New York 14701,



party of the first part, and

COUNTY OF CHAUTAUQUA INDUSTRIAL DEVELOPMENT AGENCY
~~Municipal Building~~ 200 Harrison Street
Jamestown, New York 14701,

party of the second part,

Witnesseth that the party of the first part, in consideration of One and More Dollar (\$1.00&More) lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, its heirs and assigns forever, all

THAT TRACT OR PARCEL OF LAND, situate in the City of Jamestown, County of Chautauqua and the State of New York; Beginning at a point in the southerly line of West Third Street, said point being N 77° 38' 40" E a distance of 57.75 feet from the intersection of the southerly line of West Third Street and the easterly line of Lafayette Street at the center of a masonry wall which divides buildings known as 223 and 225 West Third Street; running thence south along the center line of such wall and an extension thereof 100.1 feet to the premises heretofore conveyed by Maude Hall Norton to Henry A. Eastman; running thence easterly parallel with the southerly line of West Third Street along the northerly line of premises conveyed to said Eastman for a distance of 21.46 feet more or less to a point which is on a continuation southerly of the west line of the building known as the H.P. Hall Block and the westerly line of lands conveyed by Maude Hall Norton and Charles C. Norton to Edgar P. Putnam, et al., by warranty deed dated November 22, 1899, recorded in the Chautauqua County Clerk's Office in Liber 277 of Deeds at Page 353; running thence northerly along the westerly line of lands conveyed by Norton to Putnam as aforesaid and along the westerly line of the brick building known as the H.P. Hall Block for a distance of 100.10 feet to the southerly line of West Third Street; running thence S 77° 38' 40" W along the southerly line of West Third Street for a distance of 21.46 feet more or less to the point of beginning.

This conveyance is made and accepted subject to a right-of-way 15 feet in width along the southerly line of premises above described in accordance with warranty deed dated September 14, 1948, the intention therein was to establish a perpetual right-of-way for the purpose of egress and ingress to and from Lafayette Street.

Also subject to the restrictions as to building above the first floor of the building contained in a deed Maude Hall Norton, et al., to Edgar P. Putnam, et al., dated November 22, 1899, recorded in Liber 277 of Deeds at Page 353 on December 2, 1899, in Chautauqua County Clerk's Office.

Also subject to and benefiting from the terms of an agreement dated June 28, 1945, between Thomas Nicosia, et al., and Guy T. Battle, recorded in Liber 700 of Deeds at Page 475 on July 12, 1945, in Chautauqua County Clerk's Office.

Also subject to and benefiting from the terms and covenants contained in a deed, Thomas L. Nicosia to Earl A. Beard, et al., dated September 3, 1963, recorded in Chautauqua County Clerk's Office on September 13, 1963.

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

To have and to hold the premises herein granted unto the party of the second part, its heirs and assigns forever.

And said party of the first part covenants as follows:

First, that the party of the second part shall quietly enjoy the said premises;

Second, that said party of the first part will forever warrant the title to said premises;

DEPT. OF ASSESSMENTS CITY OF JAMESTOWN, NY
REGISTERED Sept 12 2000
LIBER 125
NO. 128

REV STAMPS 58.00 MORTGAGE
PARCEL # _____

SEP 15 1997

THIS INDENTURE, made the 10 th day of August, 1997, at the Clerk's Office, hundred and ninety-seven between

Ans'd By
WILLIAM J. BENDO, JR. (also known as William James Bendo and William J. Bendo), as executor of the last will and testament of Helen J. Bendo, late of the Town of Busti, County of Chautauqua, State of New York, deceased, 8230 Ashington Dr., Baldwinsville, New, York 13027, party of the first part,

AND

WILLIAM JAMES BENDO, 8230 Ashington Dr., Baldwinsville, New York 13027, and NORMA J. BENDO (also known as Norma Jean Bendo), 21565 Perry Street, Perris, California 92370, parties of the second part:

2371 1-231
WITNESSETH, that the party of the first part, by virtue of the power and guthority to him given in and dby the said last will and testament, and in consideration of One Dollar (\$1.00), lawful money of the United States, and other valuable consideration, paid by the parties of the second part, does hereby grant and release unto the parties of the second part, their heirs and assigns forver, as tenants in common, all

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Jamestown, County of Chautauqua, and State of New York, more particularly described as follows:

BEGINNING at the intersection of the southerly line of West Third Street and the westerly line of Washington Street; thence southerly along the westerly line of Washington Street 110 feet, more or less, to the northerly line of a private alley 10 feet in width and also the northerly line of land conveyed to Jamestown Urban Renewal Agency by the deed recorded in liber 2114 Chautauqua Deeds, p 254; thence westerly along the northerly line of the private alley and the land now or formerly of Jamestown Urban Renewal Agency in a line parallel with the southerly line of West Third Street 120 feet, more or less, to the easterly line of Rose Alley (also known as Baker's Alley); thence northerly along the easterly line of Rose Alley 44 feet, more or less, to the southwesterly corner of land retained by William Goller after conveying to the late William Bendo the land described in liber 1347 Chautauqua Deeds, p 511 (see the deed to William Goller described in liber 1281 Chautauqua Deeds, p

CHAUTAUQUA COUNTY TAX MAP
4 Sec 11 Blk 2 Lot 6 & 5.2
205 W 3rd St
Sams 21
DEPT. OF ASSESSMENTS CITY OF JAMESTOWN, NY
REGISTERED Sept 12, 1997
LIBER 129
NO. 589 B. Stebbins

ATTY Carpenter
DEED WARRANTY Executors
REV STAMPS Q MORTGAGE
PARCEL # 4064044 403B

LIBER 2245 PAGE 255

This Indenture,

Made the 19th day of March
Nineteen Hundred and Ninety-one

RECEIVED
MAR 25 1991
Chaut. Co. Clerk's Office
Ans'd By

Between DOWNTOWN JAMESTOWN DEVELOPMENT CORPORATION
101 West Fifth Street
Jamestown, New York 14701
a corporation organized under the laws of New York State

party of the first part, and

CITY OF JAMESTOWN
Municipal Building
Jamestown, New York 14701
part y of the second part,
Witnesseth that the party of the first part, in consideration of

-----ONE----- Dollar (\$ 1.00-----)

lawful money of the United States,
paid by the part y of the second part, does hereby grant and release unto the
part y of the second part, its successors and assigns forever, all
THAT TRACT OR PARCEL OF LAND, situate in the City of Jamestown,
County of Chautauqua and State of New York, and bounded and
described as follows: Beginning at a point in the easterly line of
Lafayette Street, 100 feet southerly from its intersection with the
southerly line of West Third Street; and running from thence
easterly on a line parallel with West Third Street 85 feet and 6
inches to the westerly line of premises conveyed by Henry A.
Easeman to Charles J. Arnold by deed dated January 29, 1909, thence
southerly along the westerly line of premises so conveyed to the
said Arnold 50 feet; thence westerly and parallel with the first
described line 85 feet and 6 inches to the easterly line of
Lafayette Street; thence northerly along the easterly line of
Lafayette Street 50 feet to the place of beginning.

ALSO ALL THAT TRACT OR PARCEL OF LAND, situate in the City of
Jamestown, Chautauqua County, New York, designated as #2081
Lafayette Street, indicated on the records of the Director of
Assessments as 406-4-10, being a strip of land immediately in the
rear of the premises conveyed by Edward T. Ahlstrom, as referee, to
Earnest Cawcroft, on June 27, 1932, recorded June 29, 1932 in Liber
565 of Deeds at page 78, which strip of land has a depth of 34 feet
extending from the easterly line of the above described premises to
the westerly line of Rose Alley, and a frontage of 50 feet on that
alley, be the same more or less.

Intending by the above two descriptions to convey all the land
of the first party having a frontage of 50 feet on the East side of
Lafayette Street and extending easterly to the westerly line of
Rose Alley, in the City of Jamestown, New York, be the same more or
less, and being the premises deeded by M.J.T. Corporation to Joseph
N. Ticknor on March 8th, 1946; deed recorded March 11th, 1946 in
Liber 729 of Deeds at page 61.

ALSO CONVEYING ALL THAT TRACT OR PARCEL OF LAND, situate in
the City of Jamestown, County of Chautauqua and State of New York,
bounded and described as follows: Beginning at a point in the
easterly bounds of Lafayette Street 30 feet North thereon from its
intersection with the northerly bounds of West Second Street,
running thence northerly along the easterly bounds of Lafayette
Street 70 feet; thence easterly and parallel with the northerly
bounds of West Second Street 60 feet; thence southerly and parallel
with the easterly bounds of Lafayette Street 70 feet; thence
westerly and parallel with the second described boundary 60 feet to
the point of beginning.

EXCEPTING AND RESERVING ALL THAT TRACT OR PARCEL OF LAND,
situate in the City of Jamestown, County of Chautauqua and State of
New York, bounded and described as follows: Beginning at a point
in the easterly line of Lafayette Street at the distance of 30 feet
northerly from the intersection of the easterly line of Lafayette
Street with the northerly line of West Second Street, said point at
the place of beginning being also the northwest corner of the
existing cement block building known as No. 200 Lafayette Street
and now owned by one Ford; running thence North 77°44' East and
parallel with West Second Street 60 feet to a hole drilled in the

CHAUTAUQUA COUNTY TAX MAP

Lot 11, 12, + 13

Blk 2

Sec 11

4

Same as

ATTY

DEED WARRANT

REV STAMPS

PARCEL #

Dept. of Assessments City of Jamestown, NY

Registered

Liber

No.

March 22, 1991

118

274

274

Corp. Counsel

Warrant for Lien

Rev. 1980

100

100

100

100

100

100

100

This Indenture, LIBER 700 PAGE 497

Made the 24th day of November, Nineteen Hundred and Eighty,
Between MICHAEL CHURCHILL, 120 Newton Avenue,
Jamestown, New York,

part y of the first part, and

MATTIA MIELE, 78 Sanford Drive,
Jamestown, New York,

1882 1977

Witnesseth that the party of the first part, in consideration of
One and more Dollars (\$1.00 & more)
lawful money of the United States,
paid by the party of the second part, does hereby grant and release unto the
party of the second part, his heirs and assigns forever, all

THAT TRACT OR PARCEL OF LAND, situate in the City of Jamestown, County of Chautauqua and State of New York, bounded and described as follows: Beginning at a point in the south line of West Third Street, where it is intersected by the west line of a public alley, running north and south midway between Lafayette and Washington Streets, and running thence westerly on the south line of West Third Street forty-one feet and six inches (41' 6") to the west line of the brick building known as the H. P. Hall Block; thence southerly along the west line of said brick building and a continuation of said line one hundred (100) feet; thence easterly and parallel with West Third Street forty-one feet and six inches (41' 6") to the west line of the above mentioned alley; thence northerly along the west line of said alley one hundred (100) feet to the south line of West Third Street, the place of beginning, together with the covenant by Maude Hall Horton and one, former grantors, to Fred A. Bentley, et al (said grantors being former owners of premises adjacent on the west) recited in deed hereinafter mentioned, that in case said grantors "their heirs, grantees or assigns shall ever erect a building upon the premises west and adjoining the premises hereby conveyed, that a Court at least five feet in width shall be left open above the first story of the building now upon the premises hereby conveyed, said Court to commence not more than ten (10) feet south of the south line of Third Street and to extend southerly the entire depth of the present building, the same being for the purpose of admitting light to the premises hereby conveyed.

Subject to a Party Wall Agreement between Nicosia et al and Battle, which Agreement is dated June 28, 1945 and recorded in Chautauqua County Clerk's Office in Liber 700 of deeds at page 475.

And being the same premises conveyed to Paul G. Joanethis by deed dated May 24, 1968, and recorded in Chautauqua County Clerk's Office on June 18, 1968.

CHAUTAUQUA COUNTY TAX MAP

4 Sec 11 Blk 2 Lot 4

Same as

CHAUT. CO. CLERK'S OFF.

DEC - 8 1980
At O'Clock M.

RECORDED December 1, 1980
192
506 H. Milquist

Solistris & Bailey
Jamestown, N.Y.
#79.20
406405

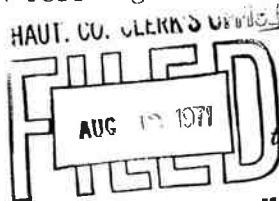
This Indenture,

LIBER 1407 PAGE 419

Made the 6th day of August
Nineteen Hundred and twenty-one

Between HELEN BENDO, 54 Pershing Avenue, Jamestown, New York,

Administratrix c.t.a.
as ~~Executor~~ of
WILLIAM BENDO



the last Will and Testament of
late

deceased,
HELEN BENDO, 54 Pershing Avenue, Jamestown, New York,
WILLIAM JAMES BENDO, 16 Kumquat Lane, Liverpool, New York, and
12 Eleventh Street, Manhattan Beach, California

parties of the second part
party of the first part, by virtue of the power
given in and by the said last Will and Testament

Dollar

of money of the United States,
paid by the parties of the second part
lease unto the parties of the second part,
and assigns forever, of
OF LAND, situate in the City of Jamestown,

York State bounded and described as follows:

Beginning at the intersection of the south line of West Third Street
with the west line of Washington Street; running thence south along
the west line of Washington Street 75 feet; thence westerly parallel
with West Third Street 60 to a stake; thence northerly parallel with
first described line 75 feet to the south line of West Third Street;
thence easterly along the south line of West Third Street 60 feet to
the place of beginning.

Also, ALL THAT OTHER TRACT OR PARCEL OF LAND, situate in the
City of Jamestown, bounded and described as follows: Commencing at
a point in the west line of Washington Street, and 75 feet southerly
from the south line of West Third Street; running thence westerly
on a line parallel with West Third Street 60 feet to a stake; then
southerly on a line parallel with Washington Street 35 feet to a stake
thence easterly on a line parallel with West Third Street 60 feet to
the west line of Washington Street; thence northerly along the west
line of Washington Street 35 feet to the place of beginning. Toget
with all the right, title and interest of the party of the first part
in and to the alley way bounding said premises on the south.

JAMES COUNTY TAX MAP

Sec 11 Bk 2 Lot 6

ATTY. General & Clerk

DEED WARRANTY Extra

REV. STAMPS note - James B. Hall

PARCEL # 406 401

DEPT. OF ASSESSMENTS CITY OF JAMESTOWN, N. Y.

REGISTERED August 22, 1921

LIBER 89

NO. 472

Emeline B. Hall

APPENDIX D

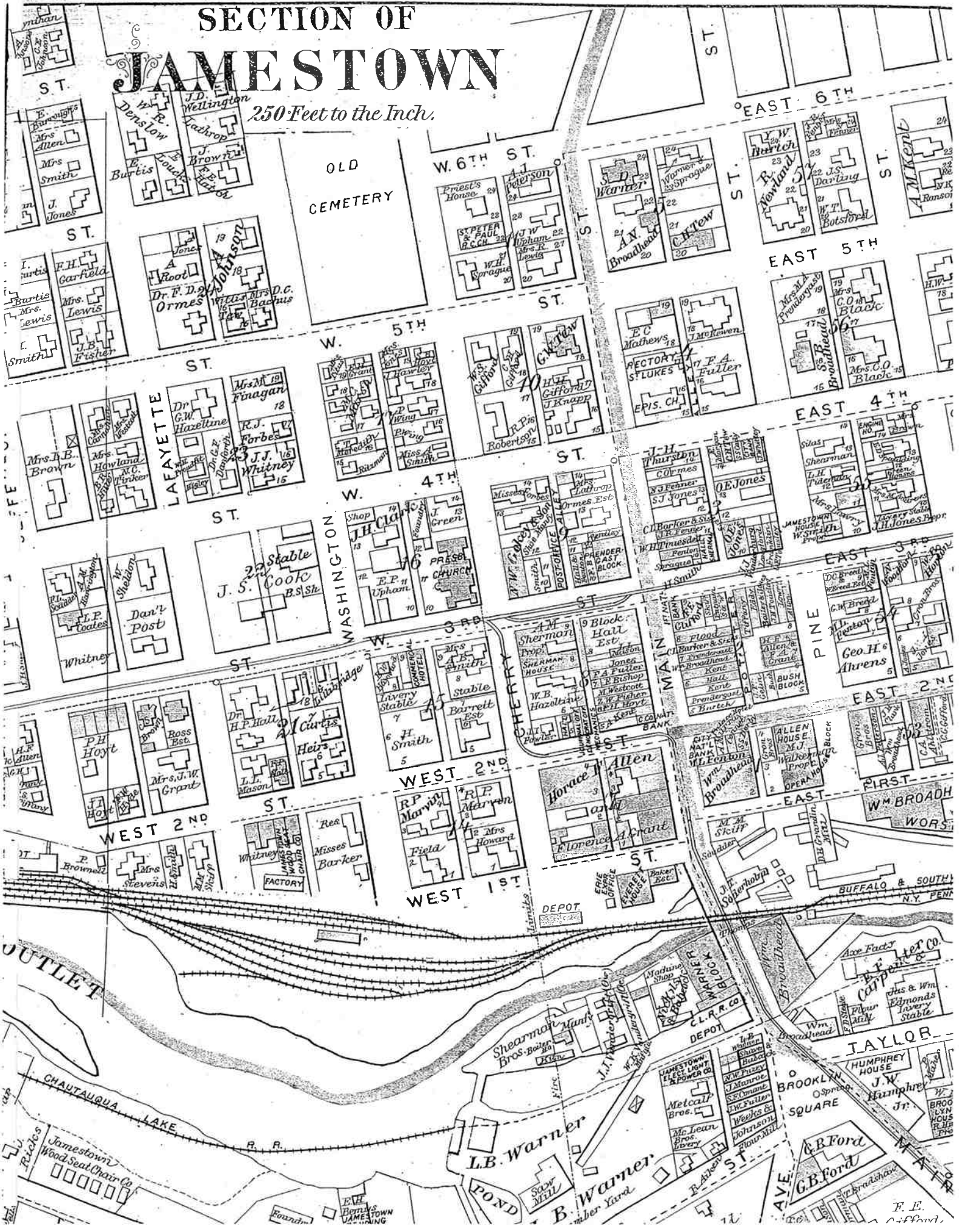
SANBORN MAPS AND HISTORIC ATLASES

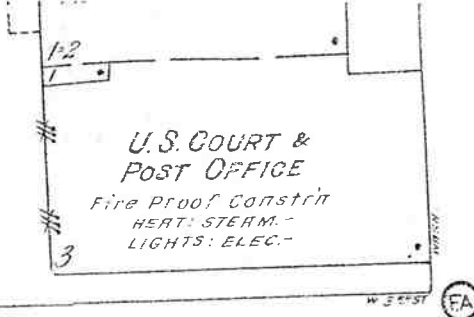
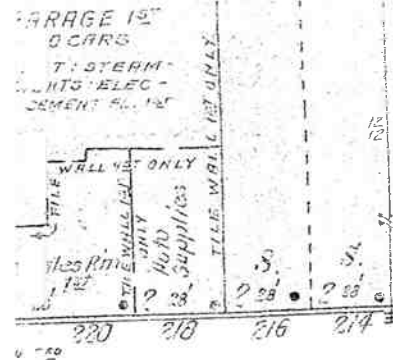
S. Beggs
 —Arson
 nes
 ll
 —Fisk
 —Bear
 —Chner
 —
 —tcher
 —etz
 Snowble
 Gunther



SECTION OF JAMESTOWN

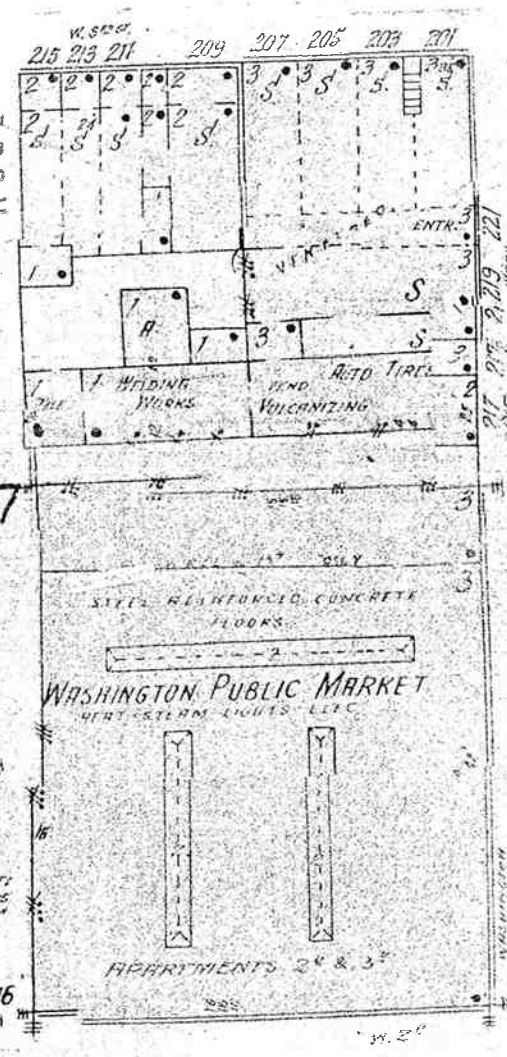
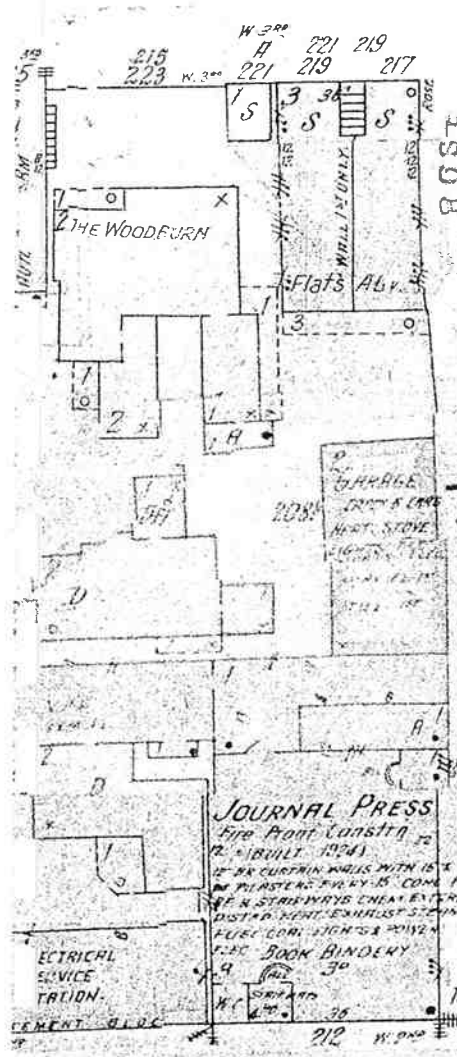
250 Feet to the Inch.



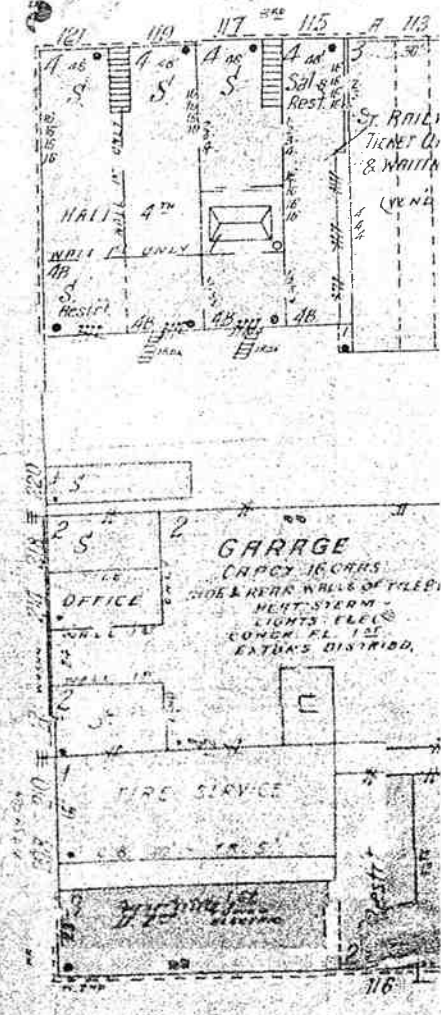


WEST 3rd

W. 3rd



WASHINGTON



SANBORN INSURANCE
ATLASS 1902-1920

JAMESTOWN NY
Foster Historical Society, 9/24/01

Sanborn
1930-1951

W. 4TH ST.

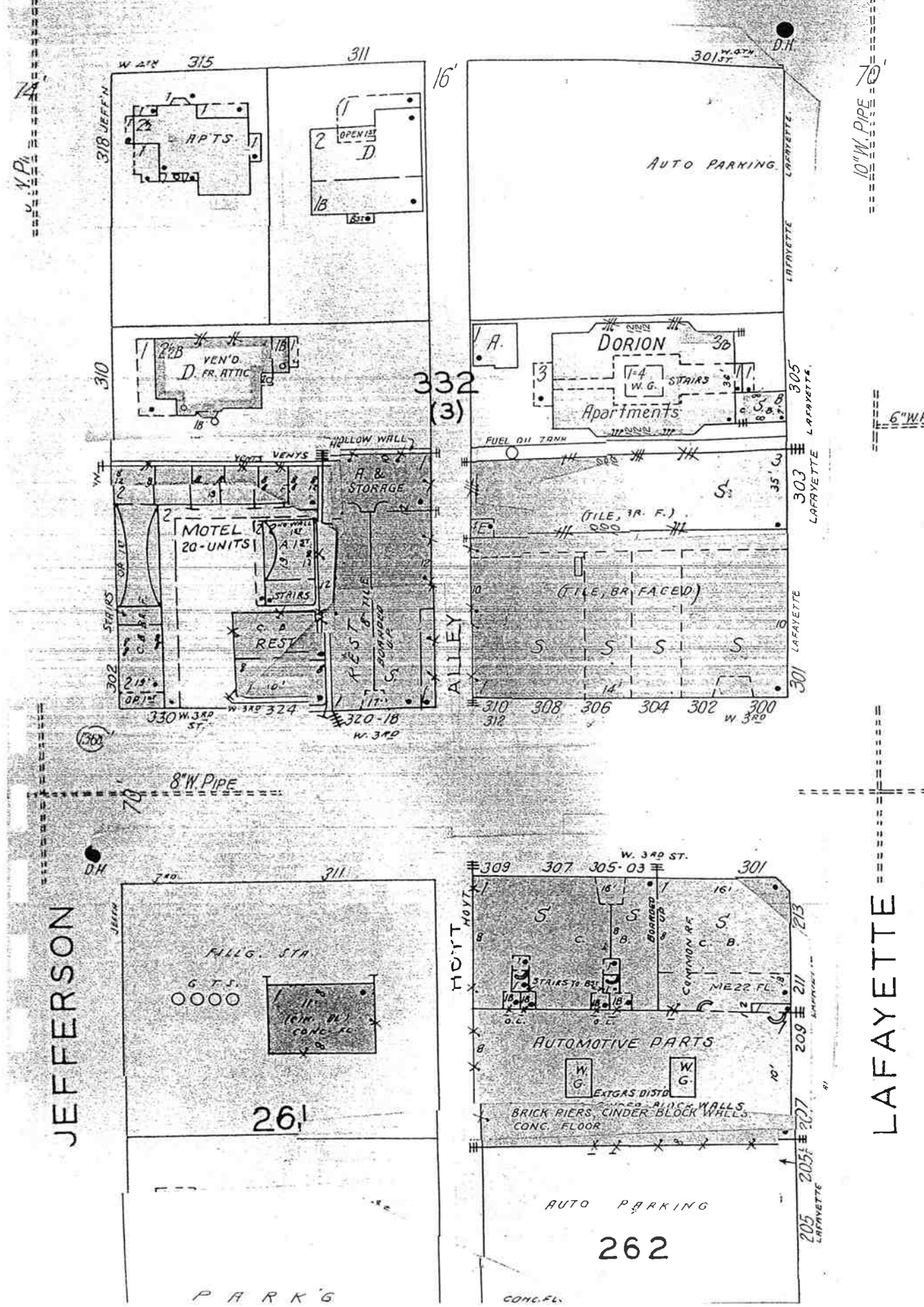
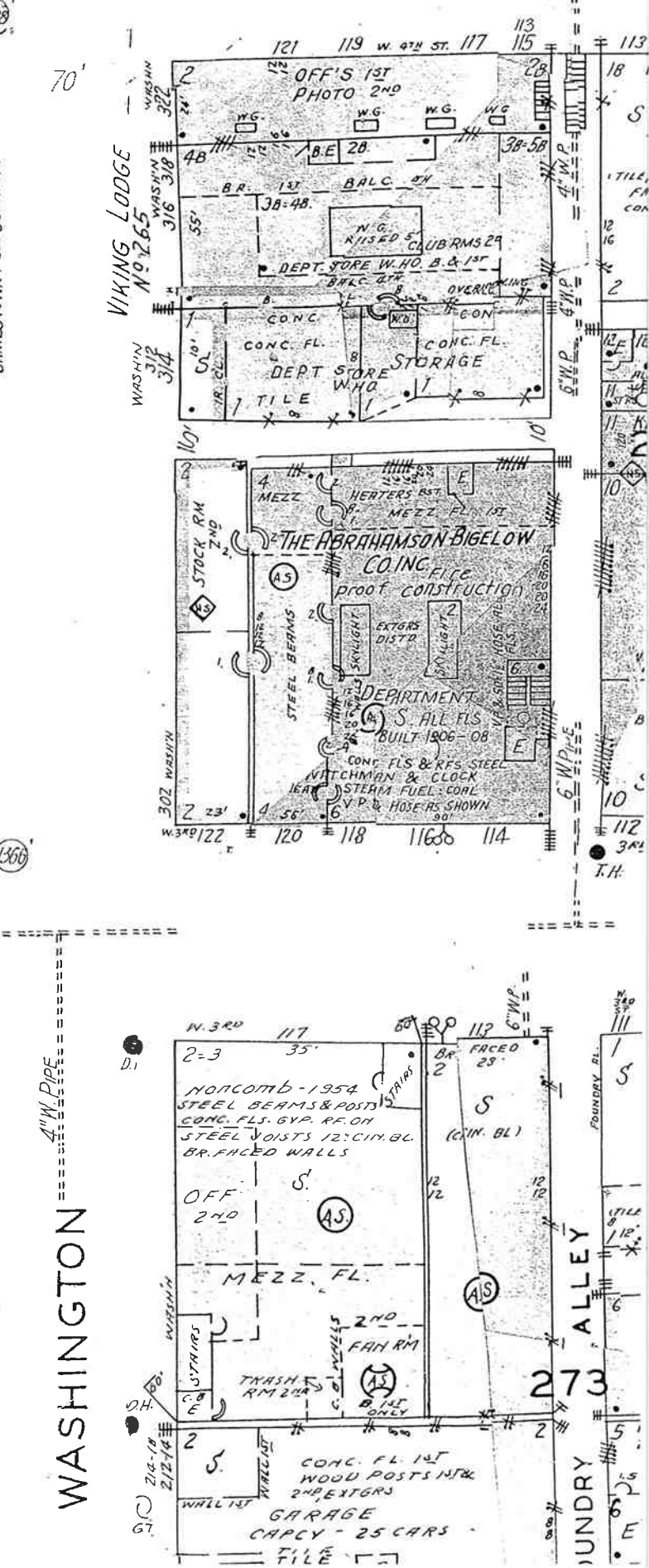
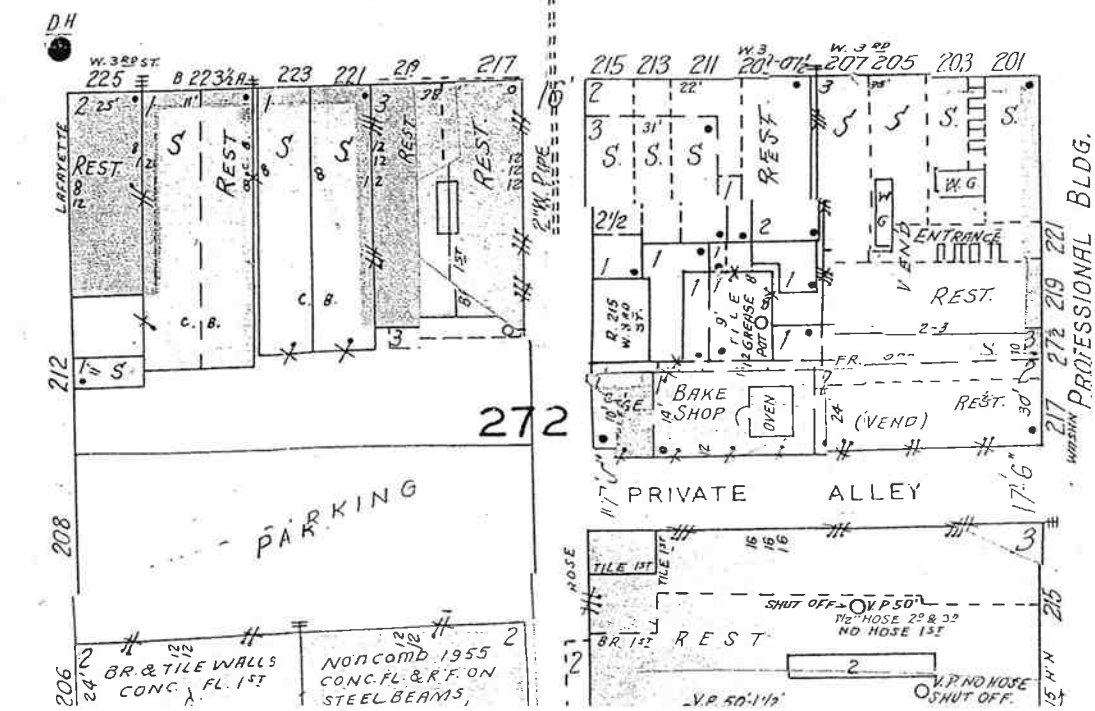
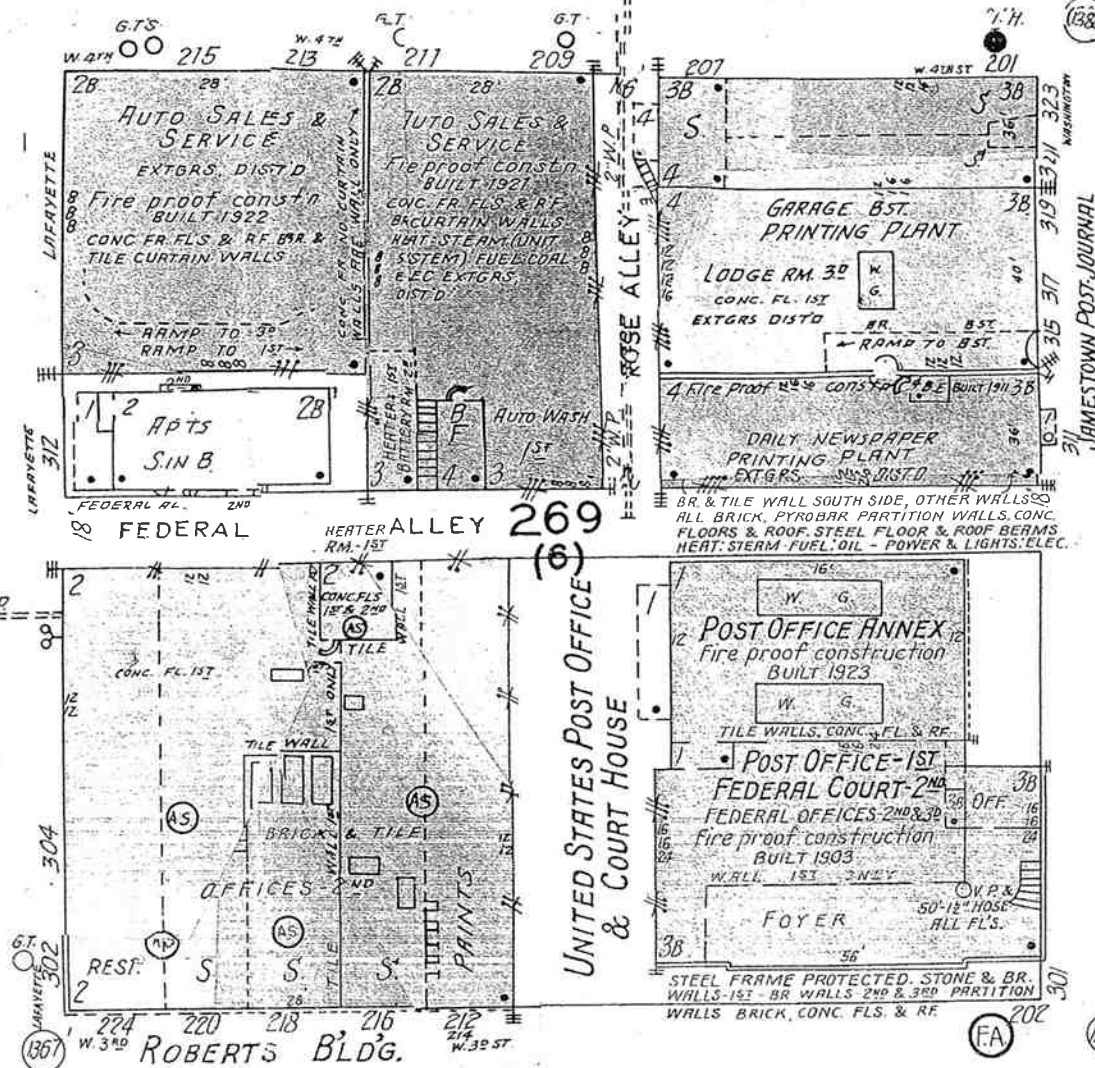
W. 3RD ST.

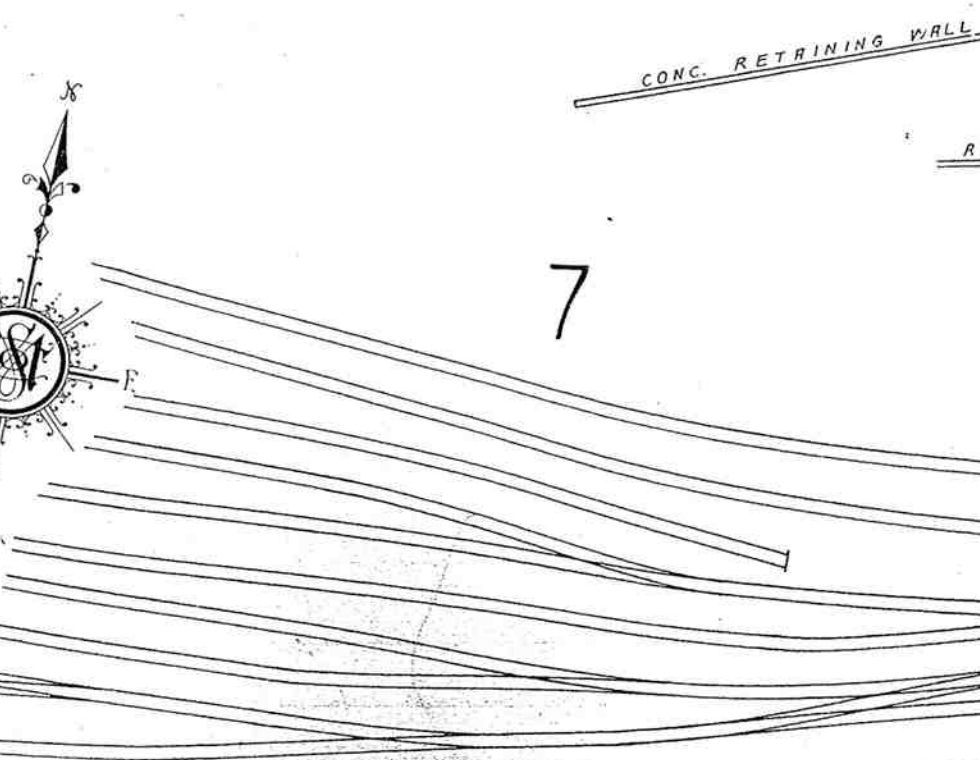
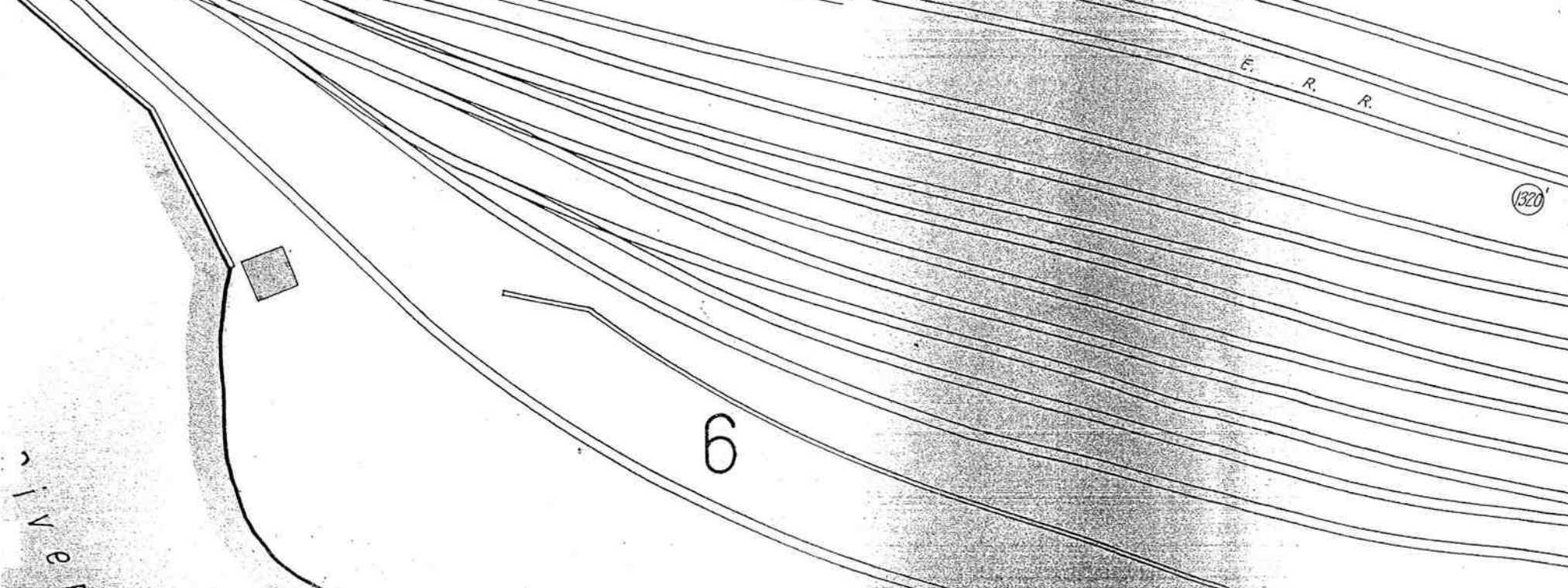
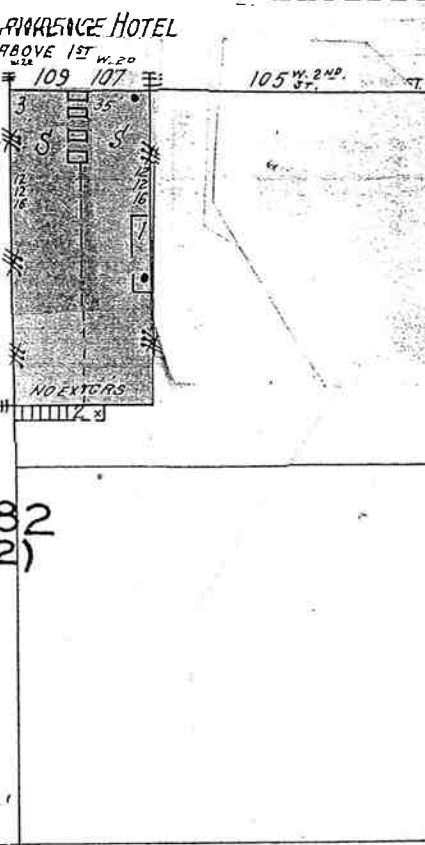
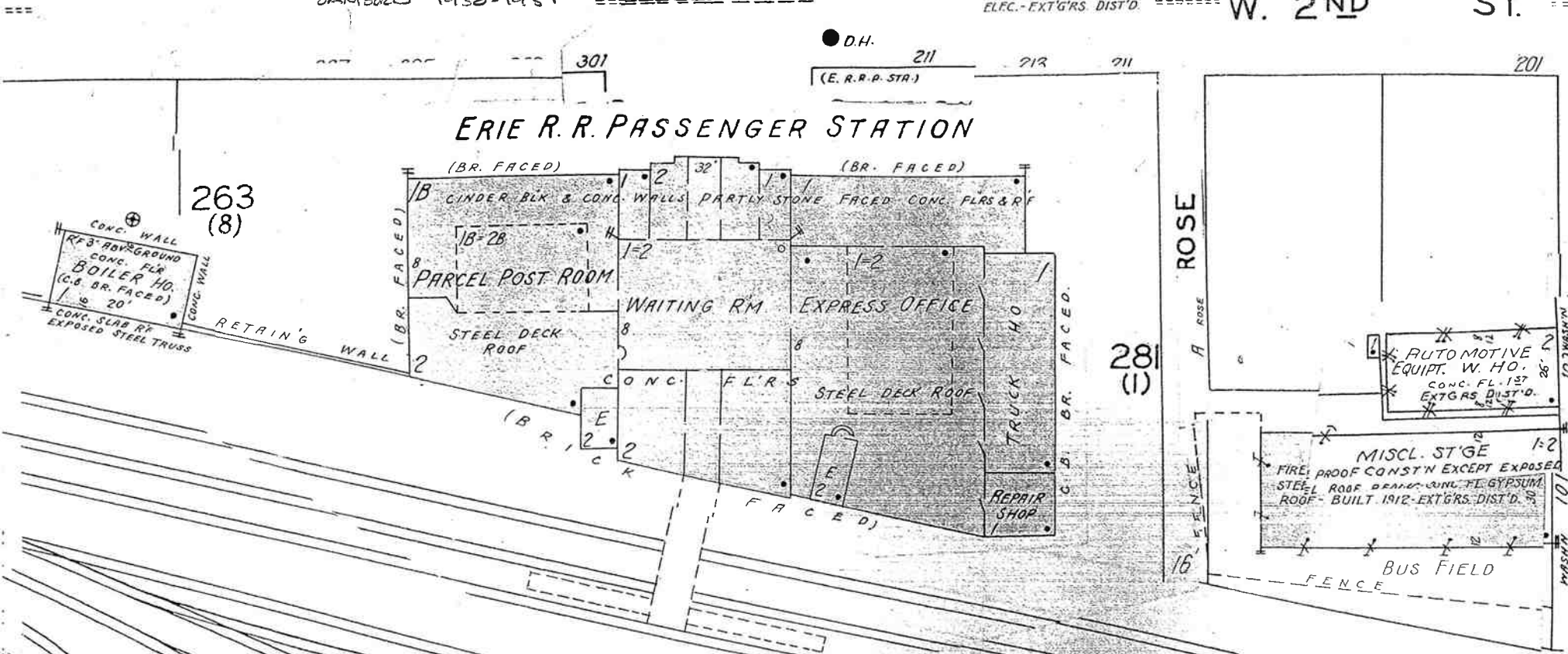
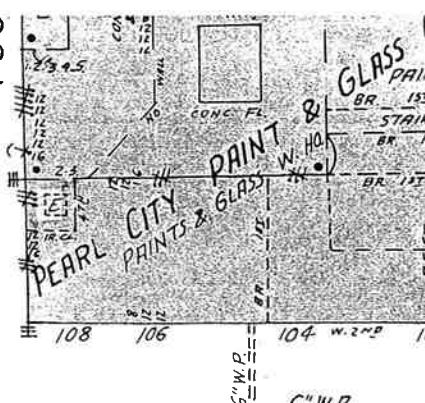
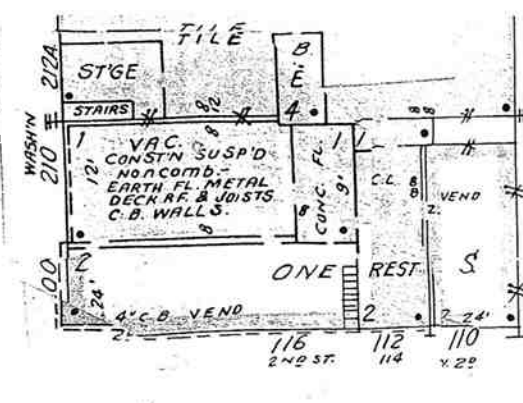
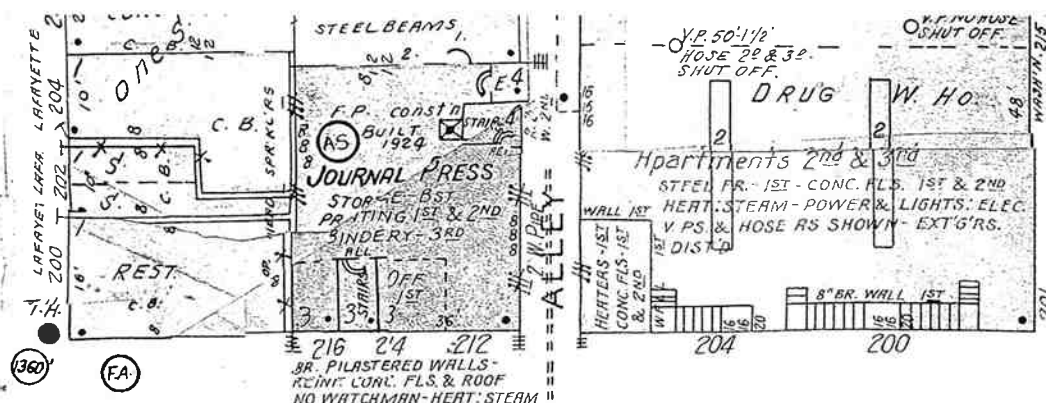
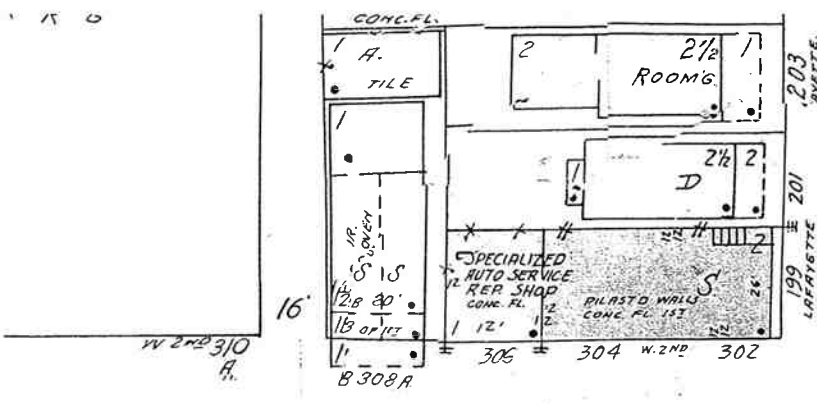
LAFAYETTE

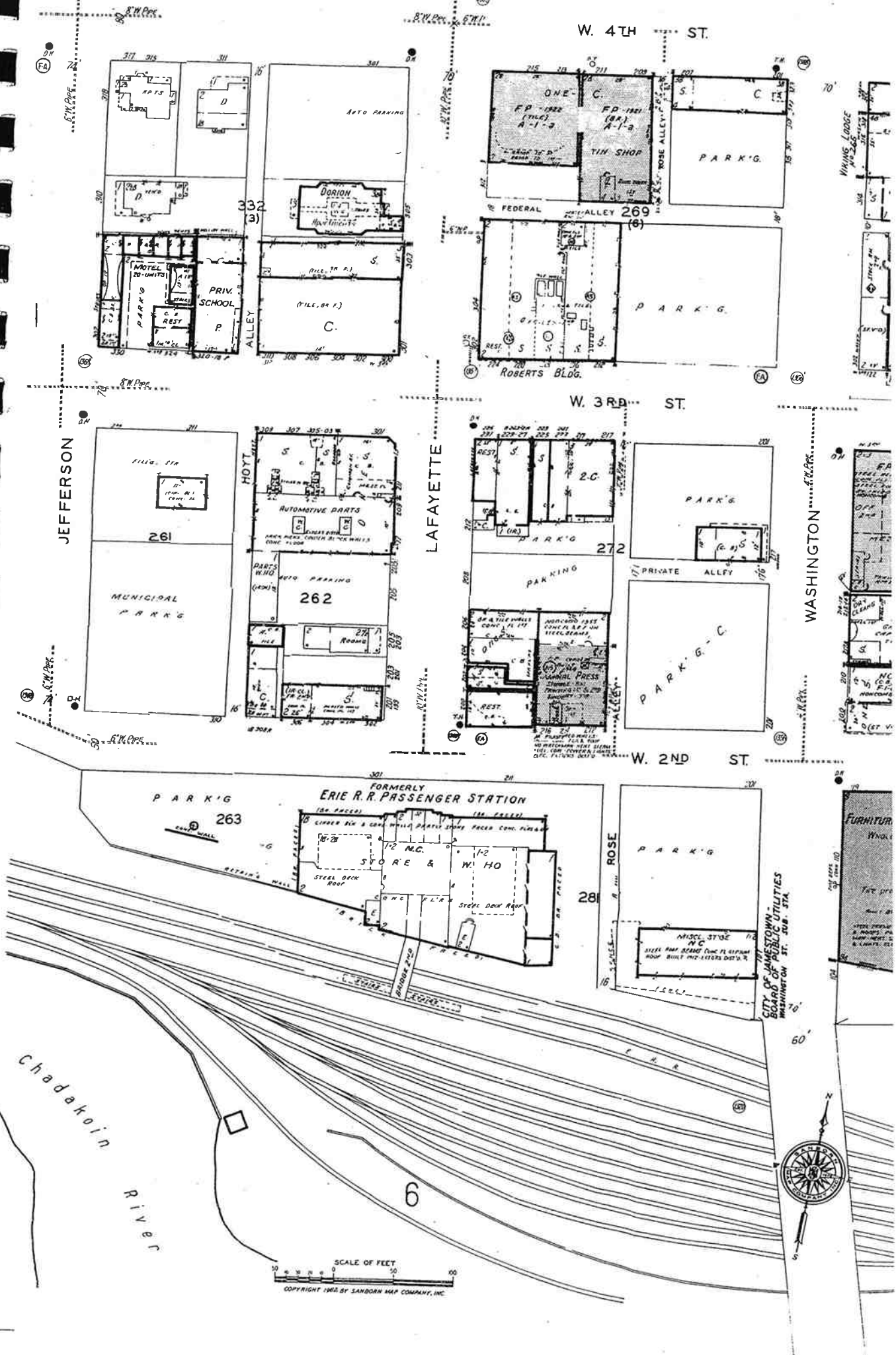
WASHINGTON

WASHING
ALLEY

WASHING
ALLEY







W. 4TH ST.

W. 3RD ST.

W. 2ND ST.

JEFFERSON

LAFAYETTE

WASHINGTON

FORMERLY
ERIE R.R. PASSENGER STATION

Chadakoin
River

CITY OF JAMESTOWN
BOARD OF PUBLIC UTILITIES
WASHINGTON ST. SUB. STA.

SCALE OF FEET
0 50 100
COPYRIGHT 1963 BY SANBORN MAP COMPANY, INC.



FURNITURE
WHOLE
Take pre
Rm 1 21
STOCK ROOM
& ROOMS. PA
HARD-WOOD S.
& LAMIN. OSB.

APPENDIX E
FOIL CORRESPONDENCE



TVGA ENGINEERING, SURVEYING, P.C.

Riverside Industrial Center

200 Harrison Street

Jamestown, NY 14701

Office: (716) 487-3133

Fax: (716) 487-3132

001109201

October 11, 2001

Chautauqua County Health Department
Hall R. Clothier Bldg.
Mayville, New York 14757

Attn: FOIL Request Enclosed

Re: City of Jamestown Downtown West End Development Site
City Block bounded by east by Wastington Street, west by Lafayette Street, north by West Third
Street, and south West Second Street
City of Jamestown / Town of Ellicott, Chautauqua County, New York 14701
Nearby Cross Streets: Rose Alley

Dear Mr. Johnson:

TVGA, Engineering, Surveying, P.C. (TVGA) is submitting this Freedom of Information Request for information regarding the above-referenced project which is identified as the Downtown West End Development Site. This information is being requested to assist in the completion of a Phase I - Environmental Site Assessment. We would appreciate a review of your records for the following information:

- Any complaints or pending enforcement actions against the above mentioned property, properties located on the same street, or properties located on the nearby cross streets listed above;
- Any documents, reports, or data analysis completed in order to evaluate the site or other properties located on the same street, or properties located on the nearby cross streets listed above;
- Any complaints or pending enforcement actions against the above mentioned property;
- Any documents, reports, field notes or data submitted or prepared during removal of any underground storage tanks (USTs) or aboveground storage tanks (ASTs);
- Any records indicating any spills, leaks or any potential soil contamination.
- Any records indicating the generation of hazardous wastes;
- Any records regarding improper storage or disposal of solid/hazardous wastes;
- Any records indicating the absence, presence or abatement of asbestos or lead based paint or other lead containing construction materials;

We have already submitted a FOIL request to the NYSDEC. We would appreciate the opportunity to review any files the Department may have while in the area for our site inspection, tentatively scheduled for this week. Should you have any questions, please call.

Very truly yours,

TVGA ENGINEERING, SURVEYING, P.C.

David L. McCoy

Scientist

DLM:d

Enc.

cc: ecf



TVGA ENGINEERING, SURVEYING, P.C.

Riverside Industrial Center

200 Harrison Street

Jamestown, NY 14701

Office: (716) 487-3133

Fax: (716) 487-3132

001109201

October 11, 2001

NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Attn: Mr. Charles Kollatz

Re: City of Jamestown Downtown West End Development Site
City Block bounded by east by Wastington Street, west by Lafayette Street, north by West Third
Street, and south West Second Street
City of Jamestown / Town of Ellicott, Chautauqua County, New York 14701
Nearby Cross Streets: Rose Alley

Dear Mr. Kollatz:

TVGA, Engineering, Surveying, P.C. (TVGA) is submitting this Freedom of Information Request for information regarding the above-referenced project which is identified as the Downtown West End Development Site. This information is being requested to assist in the completion of a Phase I - Environmental Site Assessment.

We would appreciate a review of your records for the following information:

- Any complaints or pending enforcement actions against the above mentioned property;
- Any documents, reports, or data analysis completed in order to evaluate the site;
- Any records indicating registration or removal per 6NYCRR Part 612, 613, or 614;
- Any documents, reports, field notes or data submitted or prepared during removal of any underground storage tanks (USTs) or aboveground storage tanks (ASTs);
- Any records indicating the generation of hazardous wastes;
- Any records regarding improper storage or disposal of solid/hazardous wastes;
- Any records indicating the absence, presence or abatement of asbestos or lead based paint or other lead containing construction materials;
- Any records indicating any spills, leaks or any potential soil contamination.

Should you have any questions, please call.

Very truly yours,

TVGA-ENGINEERING, SURVEYING, P.C.

David L. McCoy
Scientist
DLM:d

Enc.

cc: ecf



TVGA ENGINEERING, SURVEYING, P.C.
200 Harrison Street
Jamestown, NY 14701

FAX TRANSMITTAL COVER

Office (716) 487-3133
Fax (716) 487-3132

TO: Chautauqua County Health Department, Hall R. Clothier Bldg.,
Mayville, New York 14757

ATTN: Mr. Steve Johnson

FAX: (716) 753 4344

FROM: David L. McCoy

DATE: Thursday, October 11, 2001

RE: FOIL Request
City of Jamestown, Downtown West End Development Site, see attached map

TVGA, Engineering, Surveying, P.C. (TVGA) is submitting this Freedom of Information Request for information regarding the above-referenced project which is identified as the Downtown West End Development Site. This information is being requested to assist in the completion of a Phase I - Environmental Site Assessment. We would appreciate a review of your records for the following information:

- Any complaints or pending enforcement actions against the above mentioned property, properties located on the same street, or properties located on the nearby cross streets listed above;
- Any documents, reports, or data analysis completed in order to evaluate the site or other properties located on the same street, or properties located on the nearby cross streets listed above;
- Any complaints or pending enforcement actions against the above mentioned property;
- Any documents, reports, field notes or data submitted or prepared during removal of any underground storage tanks (USTs) or aboveground storage tanks (ASTs);
- Any records indicating any spills, leaks or any potential soil contamination.
- Any records indicating the generation of hazardous wastes;
- Any records regarding improper storage or disposal of solid/hazardous wastes;
- Any records indicating the absence, presence or abatement of asbestos or lead based paint or other lead containing construction materials;

We have already submitted a FOIL request to the NYSDEC. We would appreciate the opportunity to review any files the Department may have while in the area for our site inspection, tentatively scheduled for this week. Should you have any questions, please call.

Very truly yours,

TVGA ENGINEERING, SURVEYING, P.C.


David L. McCoy
Scientist

TOTAL PAGES SENT (including this sheet 2).

APPLICATION FOR PUBLIC ACCESS TO RECORDS

TO: RECORDS ACCESS OFFICER

CITY OF JAMESTOWN, CLERK'S OFFICE
Name of Agency

MUNICIPAL BUILDING, JAMESTOWN NY 14701
Address

I hereby apply to inspect the following record:

SEE ATTACHED LETTER

[Signature] J. L. McLeary
Signature

10/11/01
Date

TUGA ENGINEERING
Representing

200 HARRISON STREET, JAMESTOWN, NY 14701
Mailing Address

FOR AGENCY USE ONLY

APPROVED _____

Signature Records Access Officer Date
Title

RECORD RECEIVED BY _____
Signature Date

DENIED _____

REASON DENIED _____

Signature Records Access Officer Date
Title

NOTICE: YOU HAVE A RIGHT TO APPEAL A DENIAL OF THIS APPLICATION TO THE HEAD OF THE AGENCY WHO MUST EXPLAIN HIS REASONS FOR SUCH DENIAL IN WRITING WITHIN TEN DAYS OF RECEIPT OF AN APPEAL.

Name Mailing Address

I HEREBY APPEAL ON THE FOLLOWING GROUNDS:



TVGA ENGINEERING, SURVEYING, P.C.

Riverside Industrial Center

200 Harrison Street

Jamestown, NY 14701

Office: (716) 487-3133

Fax: (716) 487-3132

001109201

October 11, 2001

City of Jamestown
Fire Department
Municipal Building
Jamestown, New York 14701

Attn: FOIL Request Enclosed

Re: City of Jamestown Downtown West End Development Site
City Block bounded by east by Wastington Street, west by Lafayette Street, north by West Third Street, and south West Second Street
City of Jamestown / Town of Ellicott, Chautauqua County, New York 14701
Nearby Cross Streets: Rose Alley

Dear Sir or Madam:

TVGA, Engineering, Surveying, P.C. (TVGA) is submitting this Freedom of Information Request for information regarding the above-referenced project which is identified as the Downtown West End Development Site. This information is being requested to assist in the completion of a Phase I - Environmental Site Assessment. We would appreciate a review of your records for the following information:

- Any complaints or pending enforcement actions against the above mentioned property, properties located on the same street, or properties located on the nearby cross streets listed above;
- Any documents, reports, or data analysis completed in order to evaluate the site or other properties located on the same street, or properties located on the nearby cross streets listed above;
- Any complaints or pending enforcement actions against the above mentioned property;
- Any documents, reports, field notes or data submitted or prepared during removal of any underground storage tanks (USTs) or aboveground storage tanks (ASTs);
- Any records indicating any spills, leaks or any potential soil contamination.
- Any records indicating the generation of hazardous wastes;
- Any records regarding improper storage or disposal of solid/hazardous wastes;
- Any records indicating the absence, presence or abatement of asbestos or lead based paint or other lead containing construction materials;

We have already submitted a FOIL request to the NYSDEC. We would appreciate the opportunity to review any files the Department may have while in the area for our site inspection, tentatively scheduled for this week. Should you have any questions, please call.

Very truly yours,

TVGA ENGINEERING, SURVEYING, P.C.

David L. McCoy

Scientist

DLM:d

Enc.

cc: ecf



TVGA ENGINEERING, SURVEYING, P.C.

Riverside Industrial Center

200 Harrison Street

Jamestown, NY 14701

Office: (716) 487-3133

Fax: (716) 487-3132

001109201

October 11, 2001

City of Jamestown
Board of Public Utilities
Municipal Building
Jamestown, New York 14701

Attn: FOIL Request Enclosed

Re: City of Jamestown Downtown West End Development Site
City Block bounded by east by Wastington Street, west by Lafayette Street, north by West Third Street, and south West Second Street
City of Jamestown / Town of Ellicott, Chautauqua County, New York 14701
Nearby Cross Streets: Rose Alley

Dear Sir or Madam:

TVGA, Engineering, Surveying, P.C. (TVGA) is submitting this Freedom of Information Request for information regarding the above-referenced project which is identified as the Downtown West End Development Site. This information is being requested to assist in the completion of a Phase I - Environmental Site Assessment. We would appreciate a review of your records for the following information:

- Any complaints or pending enforcement actions against the above mentioned property, properties located on the same street, or properties located on the nearby cross streets listed above;
- Any documents, reports, or data analysis completed in order to evaluate the site or other properties located on the same street, or properties located on the nearby cross streets listed above;
- Any complaints or pending enforcement actions against the above mentioned property;
- Any documents, reports, field notes or data submitted or prepared during removal of any underground storage tanks (USTs) or aboveground storage tanks (ASTs);
- Any records indicating any spills, leaks or any potential soil contamination.
- Any records indicating the generation of hazardous wastes;
- Any records regarding improper storage or disposal of solid/hazardous wastes;
- Any records indicating the absence, presence or abatement of asbestos or lead based paint or other lead containing construction materials;

We have already submitted a FOIL request to the NYSDEC. We would appreciate the opportunity to review any files the Department may have while in the area for our site inspection, tentatively scheduled for this week. Should you have any questions, please call.

Very truly yours,

TVGA ENGINEERING, SURVEYING, P.C.

David L. McCoy
Scientist
DLM:d
Enc.

cc: ecf

APPLICATION FOR PUBLIC ACCESS TO RECORDS

TO: RECORDS ACCESS OFFICER

CITY OF JAMESTOWN, BOARD OF PUBLIC UTILITIES
Name of Agency

MUNICIPAL BUILDING, JAMESTOWN, NY 14701
Address

I hereby apply to inspect the following record:

SEE ATTACHED LETTER

[Signature]
Signature

10/11/01
Date

TJGA ENGINEERING
Representing

200 HARRISON ST., JAMESTOWN NY 14701
Mailing Address

FOR AGENCY USE ONLY

APPROVED _____

Signature Records Access Officer Date
Title

RECORD RECEIVED BY _____
Signature Date

DENIED _____

REASON DENIED _____

Signature Records Access Officer Date
Title

NOTICE: YOU HAVE A RIGHT TO APPEAL A DENIAL OF THIS APPLICATION TO THE HEAD OF THE AGENCY WHO MUST EXPLAIN HIS REASONS FOR SUCH DENIAL IN WRITING WITHIN TEN DAYS OF RECEIPT OF AN APPEAL.

Name Mailing Address

I HEREBY APPEAL ON THE FOLLOWING GROUNDS:

New York State Department of Environmental Conservation

Division of Legal Affairs, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2999

Phone: (716) 851-7190 • FAX: (716) 851-7296

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

October 22, 2001

Mr. David L. McCoy
TVGA Engineering, Surveying, P.C.
Riverside Industrial Center
200 Harrison Street
Jamestown, NY 14701

Dear Mr. McCoy:

FOIL Request
City of Jamestown/Town of Ellicott
Chautauqua County

Your Freedom of Information request in the above captioned matter was referred to the Office of Legal Affairs for response. A search of our files has disclosed no records responsive to your request. Other divisions will contact you separately.

Very truly yours,

Abby M. Snyder
Regional Attorney

AMS/dah



**CHAUTAUQUA COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES**

HALL R. CLOTHIER BUILDING, MAYVILLE, NEW YORK 14757-1027
(716) 753-4481, FAX (716) 753-4344

MARK W. THOMAS
County Executive

ROBERT BERKE, M.D.
Commissioner of Health

STEVEN M. JOHNSON, P.E.
*Director, Environmental
Health Services*

October 19, 2001

Mr. David McCoy
TVGA
200 Harrison St.
Jamestown, NY 14701

Re: FOIL Request
Downtown West End Development Site
Jamestown (C)

Dear Mr. McCoy:

Please accept this letter in response to your request pursuant to the Freedom of Information Law for information concerning the above property.

This Department is aware of an on-going contamination investigation being conducted by the NYSDEC in the subject area. Since you have already submitted a FOIL request to that Department, information on that investigation should be provided to you. The NYSDEC also maintains records on historical spills and underground tanks in the City.

The site is not located in the proximity of any inactive or active hazardous waste sites. Spill files and nuisance complaint logs are maintained in this office, which you may review to determine if any investigations have taken place in the vicinity which are of concern to you. The Health Department has files on food service establishments in the block, but no other information pertaining to your requests is known to exist in the Health Department.

If you have any questions or wish to make an appointment to review files, please do not hesitate to call the writer at 716/753-4481.

Very truly yours,

Steven M. Johnson, P.E., Director
Environmental Health Services

New York State Department of Environmental Conservation
Division of Public Affairs and Education, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7201 • **FAX:** (716) 851-7211
Website: www.dec.state.ny.us



October 15, 2001

Mr. David L. McCoy
TVGA Engineering, Surveying, P.C.
Riverside Industrial Center
200 Harrison Street
Jamestown, NY 14701

Mr. McCoy:

This letter acknowledges receipt of your request for access to records relative to:

• **City of Jamestown downtown west end development site, city block bounded by east by Washington Street, west by Lafayette Street, north by West Third Street, and south West Second Street, City of Jamestown, Town of Ellicott**

Because of the nature of your request, it has been forwarded to the following individual program(s) within DEC:

- | | |
|---|---|
| <input type="checkbox"/> Air | <input checked="" type="checkbox"/> Legal Affairs |
| <input checked="" type="checkbox"/> Environmental Enforcement | <input checked="" type="checkbox"/> Solid Materials |
| <input checked="" type="checkbox"/> Environmental Permits | <input checked="" type="checkbox"/> Spills/Petroleum Bulk Storage |
| <input checked="" type="checkbox"/> Environmental Remediation | <input type="checkbox"/> Water |
| <input checked="" type="checkbox"/> Hazardous Materials | <input type="checkbox"/> _____ |
| <input checked="" type="checkbox"/> Law Enforcement | |

You will be contacted by the program(s) directly as to whether such records are in their custody. If all records are not provided because the records are excepted from disclosure, you will be notified of the reasons and of your right to appeal the determination.

Due to the large volume of requests we receive, you may expect a reply in about four to six weeks.

Very truly yours,

Meaghan Boice-Green
Citizen Participation Specialist 2

New York State Department of Environmental Conservation

Division of Public Affairs and Education, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2999

Phone: (716) 851-7201 • **FAX:** (716) 851-7211

Website: www.dec.state.ny.us



Submitting Freedom of Information Requests to DEC Region 9: HELP US HELP YOU!

In an effort to provide prompt response to Freedom of Information Law (FOIL) inquiries to our office, we ask that you provide the following information in your request:

- **Current Property Owner(s)**
- **Current Site Name (if applicable)**
- **Other Site Name(s) (by which the property is currently or formerly was known)**
- **Street Address, City, Zip Code**
- **Municipality, County**
- **Former Owner(s)**
- **Current Use**
- **Past Use**
- **Size of the Property**

Please attach a legible street map clearly indicating the location of the property. The Department cannot comply with requests for a review of "any sites/ environmental concerns" within an extended distance (e.g., 1 mile radius).

If your request is related to a project that may eventually require DEC permits: We recommend you include in your FOIL request the name of the proposed project (if known), the type of project and the client's name to reduce duplication of Department efforts during the permitting process.

CONTINUED ON BACK

For all requests, clearly indicate what information you are seeking, and if possible, the units from which you would like information:

- **Air Resources** - Records relating to permitted discharges to the air, inspections of facilities with air permits, air-related complaints.
- **Environmental Enforcement** - Records relating to legal issues associated with inactive hazardous waste sites, voluntary cleanup & brownfield sites. (*PLEASE NOTE:* Environmental Enforcement files are generally supplemental to the files maintained by Environmental Remediation. We recommend you review Environmental Remediation files first so that the necessary file numbers, names and registry information can be provided when requesting review of Environmental Enforcement files.)
- **Environmental Permits** - Records relating to permit applications, permits, and State Environmental Quality Review Act (SEQR) matters.
- **Environmental Remediation** - Records relating to inactive hazardous waste sites, voluntary cleanup & brownfield sites.
- **Hazardous Materials** - Records relating to facilities that produce and/or handle hazardous waste under RCRA regulations.
- **Law Enforcement** - Complaints/notice of violations files (*PLEASE NOTE:* Law Enforcement files are organized according to business/ resident name. They cannot search by street address alone.)
- **Legal Affairs** - civil environmental enforcement and permit hearings (*PLEASE NOTE:* Legal Affairs files are organized according to business/ resident name. They cannot search by street address alone.)
- **Solid Materials** - Records for solid waste landfills, recycling facilities, composting facilities, waste transporters, tire storage facilities, transfer stations, medical waste treatment facilities, waste oil facilities and illegal disposal sites.
- **Spill Management/ Chemical and Petroleum Bulk Storage** - Records of petroleum/chemical spills, registered petroleum storage tanks, and chemical bulk storage. (*PLEASE NOTE:* Spills Management/Chemical and Petroleum Bulk Storage files are organized according to street address and municipality.)
- **Water** - Records relating to permitted discharges to water bodies & groundwater.

Your cooperation in supplying as much information as possible will greatly help us provide a timely response to your inquiry.

OFFICE OF
THE CITY CLERK
CITY OF JAMESTOWN



SHIRLEY A. SANFILIPPO, CMC, RMC

October 25, 2001

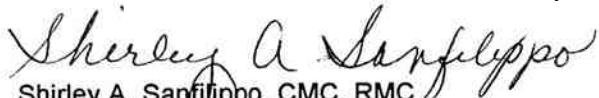
David L. McCoy
TVGA Engineering, Surveying, P.C.
Riverside Industrial Center
200 Harrison Street
Jamestown, New York 14701

Dear Mr. McCoy:

In response to your request under the Freedom of Information Law regarding the Downtown West End Development Site, please be advised that your request is denied because no such records exist.

This letter will serve as your official notification. You have a right to appeal a denial of this application to the head of the agency (Mayor) who must explain his reasons for such denial in writing within ten days of receipt of an appeal.

Sincerely,


Shirley A. Sanfilippo, CMC, RMC
City Clerk/Records Access Officer

SAS/dp

cc: Mayor
Corporation Counsel

New York State Department of Environmental Conservation

Regional Administration, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2999

Phone: (716) 851-7201 • FAX: (716) 851-7211

Website: www.dec.state.ny.us



October 24, 2001

Mr. David L. McCoy
TVGA Engineering, Surveying, P.C.
Riverside Industrial Center
200 Harrison Street
Jamestown, NY 14701

Dear Mr. McCoy:

City of Jamestown downtown west end development site, city block bounded east by Washington Street, West Lafayette Street, north by West Third Street, and south West Second Street, City of Jamestown, Town of Ellicott

In response to your foil request of 10/11/01 relative to the subject property, a search of this Region's Solid Waste, Spills Management, Environmental Remediation and Solid & Hazardous Materials program files has been completed. Based on this search, the attached information is provided.

Please be advised that our files only reflect, information on those sites where investigation by this Department, the USEPA or local county health/environmental agencies, or information from the public has revealed that waste disposal has or may have occurred. The Department makes no guarantee as to the completeness of our files. Therefore, our file search should in no way be considered as a substitute for a site inspection or environmental audit by qualified personnel. If such as inspection/audit were to reveal that waste disposal has occurred, it should be promptly reported to this office.

Further, be advised that requests for area-wide search of our records cannot be accommodated. As such, information presented in response to your request is site specific.

If you have any further questions, please call me at (716) 851-7201.

Sincerely,
Mary K. Barren
Keyboard Specialist 1

| SPILL NUMBER | SPILL DATE | TOWN | SPILL NAME | SPILLER | SPILL LOCATION | MATERIAL SPILLED | AMOUNT SPILLED | LEAD INSPECTOR | CLOSE DATE | MEETS STANDARDS | REMARKS |
|--------------|------------|------------------------|--------------------------|--------------------------|------------------------|------------------|----------------|----------------|------------|-----------------|---|
| 0175174 | 06/01/2001 | JAMESTOWN (Chautauqua) | FORMER CAR WASH | | 1321 WASHINGTON ST | UNKNOWN | 0 G | CHCH D JFO | 07/02/2001 | T | COMPLAINANT SAYS THAT CAR WASH BURNED DOWN 3-4 MONTHS AGO. SAYS THEY DEMOLISHED REMAINS ABOUT 6 WEEKS AGO AND THAT, EVER SINCE THEN, BLACK SUBSTANCE HAS BEEN OZZING FROM GROUND AND HAS STRONG ODOR. |
| 0175362 | 10/09/2001 | JAMESTOWN (Chautauqua) | FIFTH STREET SUNOCO | DAN NOCERO | WASHINGTON & FIFTH | GASOLINE | 0 G | CHCH D-MF | / / | F | INSTALLING DISPENSER SUNPS. CONTAMINATION NOTED AROUND DISPENSER ISLAND (IN ONE AREA) FOUR 55 GALLON DRUMS LEAKING BEHIND HIGHWAY AUTOBODY |
| 9001527 | 05/09/1990 | JAMESTOWN (Chautauqua) | HIGHWAY AUTOBODY | HIGHWAY AUTOBODY | WASHINGTON STREET | GASOLINE | 10 G | MF | 04/10/1991 | T | LOSS BASED ON INVENTORY RECORDS. |
| 9010542 | 01/01/1991 | JAMESTOWN (Chautauqua) | CHET'S MOBIL-JAMESTOWN | CHET'S MOBIL | 507 WASHINGTON STREET | GASOLINE | 400 G | MF | 11/12/1995 | F | FUMES IN HOUSES FROM SEWERS, SUSPECT TANK PROBLEM AT GARY AND SUZIES CAR WASH |
| 9106569 | 09/16/1991 | JAMESTOWN (Chautauqua) | CHET'S MOBIL-CAR WASH | JAMESTOWN CAR WASH | WASHINGTON STREET | GASOLINE | 0 G | TED | 06/17/1992 | T | TANK RUPTURED WHEN REMOVING. ALSO CONTRACTOR PUMPING PIT WATER TO SEWER. |
| 9110348 | 12/30/1991 | JAMESTOWN (Chautauqua) | GARY AND SUZIES FORD | MCPADDEN FORD | 2258 WASHINGTON STREET | GASOLINE | 0 L | MF | 01/07/1993 | T | TANK REMOVED 10/26/92, NO VISUAL CONTAMINATION. |
| 92209789 | 11/02/1992 | JAMESTOWN (Chautauqua) | MCPADDEN FORD | SUPREME BEVERAGES | 2224 WASHINGTON STREET | DIESEL | 0 | MF | 05/20/1993 | F | COVERUP OF SPILLAGE IN AREA PVIOUS AREA OF WASTE OIL STORAGE. |
| 93308416 | 10/06/1993 | JAMESTOWN (Chautauqua) | SUPREME BEVERAGES | PARKSIDE LINCOLN MERCURY | 1810 WASHINGTON STREET | WASTE OIL | 20 G | MF-C HCHD | 09/15/1994 | T | CONTAMINATED SOIL REMOVED WHEN REMOVING 1K UST. |
| 9402965 | 05/01/1994 | JAMESTOWN (Chautauqua) | DUNN TIRE-JAMESTOWN | MED ENTERPRISES, INC | 1903 WASHINGTON STREET | GASOLINE | 0 | MF | 07/18/1994 | T | DUPLICATE OF SPILL # 9402965. |
| 9403089 | 05/01/1994 | JAMESTOWN (Chautauqua) | PROPOSED TOPS | TOPS MARKETS | WASHINGTON STREET | GASOLINE | 0 | MF | 10/31/1994 | T | MAXIM TECHNOLOGIES SUBMITTED A 1992 SITE ASSESSMENT AT A PROPOSED TOPS LOCATION IN JAMESTOWN. PETROLEUM CONTAMINATION WAS DETECTED. |
| 9514009 | 10/06/1992 | JAMESTOWN (Chautauqua) | JAMESTOWN LANDFILL | | | OTHER PETROLEUM | 0 G | MF | 01/22/1997 | F | Caller says contractor working for tops is dumping contaminated soil & drums on city owned property adjacent to park. Caller has samples and photographs of dumped materials. Area in process of being covered up. (Original spill call taken at DEC Region 9 office. |
| 9609849 | 11/01/1996 | JAMESTOWN (Chautauqua) | YAW OIL | YAW OIL | 1404 WASHINGTON STREET | PCB OIL | 0 G | MF-C HCHD | 01/23/1997 | T | WHILE DIGGING FOOTER HOLES TO INSTALL CANOPY OVER PUMP ISLAND. |
| 9609873 | 11/06/1996 | JAMESTOWN (Chautauqua) | PARKSIDE LINCOLN MERCURY | PARKSIDE LINCOLN MERCURY | 1801 WASHINGTON STREET | GASOLINE | 0 G | MF | 02/03/1997 | T | COMPLAINT OF WASTE OIL DUMPING DOWN FLOOR DRAIN IN SHOP, DRAIN IS SUBSURFACE DISCHARGE. |
| 9610179 | 11/01/1996 | JAMESTOWN (Chautauqua) | DYE AT HARTLEY BUICK | NONE | 1505 WASHINGTON AVENUE | WASTE OIL | 0 G | MF-C HCHD | 11/20/1996 | T | COMPLAINT OF ANTI-FREEZE IN DITCH - TURNED OUT TO BE DYE |
| 9713041 | 02/18/1998 | JAMESTOWN (Chautauqua) | | | | DYE | 0 G | MF-C HCHD | 02/24/1998 | T | |

LAFa is Street Location JAME is Municipality

PAGE NO. 1
10/22/2001

| SPILL NUMBER | SPILL DATE | TOWN | SPILL NAME | SPILLER | SPILL LOCATION | MATERIAL SPILLED | AMOUNT SPILLED | LEAD INSPECTOR | CLOSE DATE | MEETS STANDARDS | REMARKS |
|-----------------|---------------|---------------------------|---------------------|-------------------|-----------------------------------|---------------------|-------------------|-------------------|---------------|--------------------|---|
| 0075446 | 10/01/2000 | JAMESTOWN (Chautauqua) | JAMESTOWN UTILITIES | CITY OF JAMESTOWN | LAFAYETTE STREET/THIRD ST UNKNOWN | | 0 G | FG-C HCHD | 08/08/2001 | F | CITY OF JAMESTOWN FOUND CONTAMINATED SOILS WHILE INSTALLING NEW CITY UTILITIES FOR ICE ARENA PROJECT 1 *** |

[illegible]

FREN is Street Location AMHE is Municipality

PAGE NO. 1
10/22/2001

| SPILL NUMBER | SPILL DATE | TOWN | SPILL NAME | SPILLER | SPILL LOCATION | MATERIAL SPILLED | AMOUNT SPILLED | LEAD INSPECTOR | CLOSE DATE | MEETS STANDARDS | REMARKS |
|--------------|------------|---------------------|---------------------------|---------------------------|----------------------------|------------------|----------------|----------------|------------|-----------------|--|
| 8706052 | 10/16/1987 | AMHERST (Erie) | FRENCH RD AND RT 990 | NY VTP 890 | FRENCH RD AND RT 990 | GASOLINE | 2 G | LQR | 10/16/1987 | T | CAR HIT BY TRUCK |
| 8802537 | 06/20/1988 | AMHERST (Erie) | CUMBERLAND FARMS | CUMBERLAND FARMS | FRENCH ROAD | GASOLINE | 10 G | JDC | 10/31/1988 | T | TANK REMOVED W/ SOIL THAT CARRIED A HEAVY PETROLEUM ODOR - NOTIFIED BY TANK REMOVAL CONTRACTOR |
| 9004508 | 07/16/1990 | AMHERST (Erie) | JACKSON SQUARE APT'S | ARNOLD LEVINE | NORTH FRENCH & MILLERSPORT | | 0 | LQR | 07/23/1990 | T | FISH KILL REPORTED |
| 9208552 | 10/24/1992 | AMHERST (Erie) | DAVID LEMMO | DAVID LEMMO | NORTH FRENCH & 1990 | DIESEL | 40 G | SAC | 02/05/1993 | T | DUMP TRUCK OVERTURNED FUEL ON SOIL. AMHERST DISASTER TEAM AND HIGHWAYDEPT. ON-SITE. DIKING WITH SPEEDY-DR. |
| 9304025 | 06/09/1993 | AMHERST (Erie) | NOCO ENERGY | NOCO ENERGY - MOTOR FUELS | NORTH FRENCH & CAMFBELL | GASOLINE | 0 L | MJS | 07/28/1994 | F | CONTAMINATION FOUND DURING TANK REMOVALS. |
| 9315003 | 03/22/1994 | AMHERST (Erie) | JOHN JAKALAS AUTO SERVICE | JOHN JAKALAS AUTO SERVICE | 690 NORTH FRENCH ROAD | GASOLINE | 0 G | MJS | 01/03/1996 | T | GASOLINE RUNNING DOWN DRIVEWAY. |
| 9401351 | 04/23/1994 | EAST AMHERST (Erie) | BEACH UST | MURIEL BEACH | 2630 NORTH FRENCH ROAD | #2 FUEL OIL | 0 | RMC | 08/01/1994 | T | FOUND CONTAMINATED SOIL DURING REMOVAL OF 1K FUEL OIL TANK. |
| 9511063 | 12/04/1995 | AMHERST (Erie) | JACKSON SQUARE | DR AHUJA OFFICE | NORTH FRENCH ROAD | MEDICAL WASTE | 0 L | KXH | 12/04/1995 | T | FOUND IN DUMPTER OF JACKSON SQUARE - 1/2 OF A DUMPTER FULL CALL COMPLAINANT ASAP**** |
| 9613971 | 02/27/1997 | AMHERST (Erie) | SEAWAY FREIGHT LINES | SEAWAY FREIGHT LINES | 1990 AT NORTH FRENCH RAMP | DIESEL | 50 G | MJS | 03/27/1997 | T | HIGH WINDS CAUSED EMPTY TRACTOR TRAILER TO ROLLOVER.SPILLAGE OF APPROXIMATELY 50 GALS OF DIESEL TO DRAINAGE DITCH.FIRE DEPT.CONTAINED QUICKLEY.BUT ABSOLVENT PADS ARE BLOWING ALL OVER.**FAXED FROM RESION |
| 9704187 | 07/08/1997 | AMHERST (Erie) | KINGS EXPRESS | KINGS EXPRESS | 1990 SOUTH OF N FRENCH RD | DIESEL | 50 G | RMC | 07/21/1997 | T | SPILL TO ROADWAY AND THE SHOULDER 1/2 MILE STRIP - 30 GALLONS IN ONE SPOT |
| 9706887 | 09/09/1997 | AMHERST (Erie) | ROADWAY TRUCK | AT & A TRUCKING CORP | NORTH FRENCH AT 1990 | OTHER PETROLEUM | 50 G | RMC | 10/06/1997 | T | DUMP TRUCK ACCIDENT TO BRIDGE SPILL TO ROADWAY SPILL CONTAINED REQ CALLBACK ASAP 716-868-0658 OR 716-689-1212 FOR FIRE CONTROL |

*** Total ***

APPENDIX F
PHOTOGRAPHS



Photo 1 – East side of the Donut Connection showing drive through, facing west.



Photo 2 – Parking lot on the north side of the site, facing west.



Photo 3 – North and west sides of the Donut Connection, facing southeast.



Photo 4 – South side of the site showing public parking lot, facing north.



Photo 7 – North and west sides of the building, facing southeast.



Photo 8 – East side of the building showing Rose Alley and parking lot, facing south.



Photo 5 – Southern side of the building showing customer parking lot, facing north.



Photo 6 – North side of the building, facing south.

APPENDIX G

ESA INSPECTION CHECKLIST

ESA INSPECTION CHECKLIST

GENERAL: PROJECT NO.: 001109201 PROJECT MGR: Napiwalski
Client: City of Jamestown Phone: _____ Fax: _____
Owner: William Bando Phone: 315-636-1713 Fax: _____
Contact: Tony Pasken Phone: 716-483-1603 Fax: _____
Site Name: DONUT CONNECTION
Site Use: RESTAURANT Acres: _____
Location: WASHINGTON & THIRD ST. State: N.Y. County: CHATTANOOGA CO.
Directions: RT 60 TO 3rd ST IN JAMESTOWN NY.

Street Address: 205 WEST THIRD ST.

Site Access Condition: GOOD, PAVED PARKING LOT

Type of Facility: (1) Industrial _____ (2) Commercial DONUT SHOP

(3) Residential _____ (4) Undeveloped _____ (5) Other _____

Weather Conditions During On-Site Inspection: Cold, Windy

PRE-VISIT DATA COLLECTION

☒ USGS Map: Quad. JAMESTOWN Data: 1954

☒ Site Map: Date Downtown West End Development Site

Prepared By: CITY OF JAMESTOWN

☒ Geologic Map: NIAGARA SUB Date: _____ Scale: _____

☒ Aerial Photo(s) Date: 1938 Scale: _____

1956
1977
1990

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

(1) Onsite: ~~None~~ TRANSFORMERS ON POLE #4-1B BPV

POTENTIAL spills from LEAKING AUTOMOBILES IN
PARKING LOT

(2) Offsite: SOIL AND GROUNDWATER CONTAMINATION ON

ICE ARENA SITE 200' WEST OF SUBJECT PROPERTY

(3) Other Factors:

(4) Further Investigation Warranted: OBTAIN PERMISSION FROM OWNER
TO INSPECT BUILDING INTERIOR - WM BENDO 315-638-1713
CURRENTLY OUT OF TOWN.

Inspection Completed By: DAVID L. MCGAY - SCIENTIST
(Name/Title)

10/23/01

(Date)

* Note: Not all checklist items apply to every site; place (N/A) adjacent to these items. Furthermore, some sites may require supplementary professional services. Check and Identify the need for further investigation.



USDA Soil Survey County: Cuscuta Sheet: 108

Existing Subsurface Exploration Data

Collected By: _____

Well Data: _____ Unconsolidated _____ Bedrock

Detailed Questionnaire Required? _____ Yes _____ No _____

SITE RECONNAISSANCE

Inspector: DAVID L. McCa Date: 10/23/01

Non-Facility Visitors: N/A Weather: Clear - Windy

(1) Topography/Fill Areas: FLAT, SLOPING TO SOUTH

(2) Soil/Geology: URBAN LAND

(3) Groundwater: TOPO INFORMATION SUGGESTS FLOW TO SOUTH

(4) Surface Water: NONE ON SITE

(5) Wetlands: NONE ON SITE

(6) Vegetation: ALMOST NONE, ALL SURFACES ARE PAVED

(7) Drainage: Describe FLows OUTLAND IN SOUTHERLY DIRECTION TO CATCH BASINS ON WASHINGTON AND WEST SECOND ST.

a) Building SINGLE STORY CONCRETE BLOCK - PAINTED

b) Site PARKING LOT - PAVED

c) Regional URBAN - COMMERCIAL

(8) Public Utilities: JAMUSTOWN BPU Drinking Water JAMUSTOWN BPU Electric

JAMUSTOWN BPU Storm Sewer JAMUSTOWN BPU Sanitary Sewer JAMUSTOWN BPU Heating

Private Utilities (identify) NONE

(9) Evidence of Contamination: Note environmental features NONE

a) General Building Information:

Bldg. Number 205 WEST THIRD ST. Type: ONE STORY COMMERCIAL

Age: 1969 Features: DRIVE THROUGH ON PRIVATE ALLEY

Construction: CONCRETE BLOCK, FLAT ROOF

b) Building Interior Condition: NEAT, CLEAN

Odors: Donuts & Coffee Spillage: NONE OBSERVED

Potential Asbestos: ROOFING

Housekeeping: GOOD

c) Building Exterior Condition: GOOD CONDITION, PAINTED TAN & PINK

Transformers Present? YES #4-1B Number: 3 Content: UNKNOWN

Area of Stained Soils NONE

Number of Tanks/UST: _____ Age: _____ Size: _____ Type: _____

Number of Tanks/UST: _____ Age: _____ Size: _____ Type: _____

(10) Storage Area Condition: NONE

Number of Drums: 1 Type: STEEL

Waste Removal: WESTFIELD DISPOSAL SERVICE (716) 376-4353 Number: 2 Type: DUMPSTER

Debris: NONE Number: _____ Type: _____

(11) Other: 2 TRASH CANS

STEEL DRUM NOTED ABOVE APPEARS TO CONTAIN GREASE OR COOKING OIL FOR RECYCLING.

History of Site Use: PARKING AND RESTAURANT USE.

Past Activities: PRIVAT STRUCTURES ON SITE WERE STORES, MARKETS
AND SHOPS.

ADJACENT PROPERTIES (Indicate distance/direction from site)

Properties: 117 WEST THIRD Business VACANT COMMERCIAL
212-218 WASHINGTON VACANT - FORMER DRY CLEANER + GARAGE
200 WASHINGTON RESTAURANT / SPORTS BAR
CONCERT CLUB

Contiguous Properties Use:

Landfills: NONE

Lagoons: NONE

Storage Facilities: NONE

Gas Stations: NONE

Industrial: NONE

Agricultural: NONE

Other: Commercial

Environmental Concerns: (List) DATE OF CONSTRUCTION INDICATES

POSSIBLE ASBESTOS CONTAINING BUILDING MATERIALS AND LEAD
BASE PAINTS

PHOTOGRAPH CRONOLOGY

Photo No. Description

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

INTERVIEWS

Person/Title/Length of Service Remarks

| | |
|--|--|
| Tony Plaskon 483-1603 Leases property from Wm Brando. | Would NOT allow site inspection without permission of Owner - Jim Brando. No Basement, Gas Heat, BPU water & sewer. |
| | |
| | |
| | |
| | |
| | |



ESA INSPECTION CHECKLIST

GENERAL:

PROJECT NO.: 00110920 PROJECT MGR: NAPIWALSKI

Client: CITY OF JAMESTOWN Phone: _____ Fax: _____

Owner: MATTIA MIELE Phone: 6064-2585 Fax: _____

Contact: MATTIA MIELE Phone: _____ Fax: _____

Site Name: MATTIAS / STARDUST LOUNGE

Site Use: RESTAURANT / APARTMENTS Acres: _____

Location: WEST THIRD PROSE AVE State: N.Y. County: CHATTANOOGA

Directions: RT. 60 TO 3rd ST. IN JAMESTOWN, NY.

Street Address: 217-221 WEST THIRD STREET

Site Access Condition: LIMITED ON WEST SIDE BY CONSTRUCTION

Type of Facility: (1) Industrial _____ (2) Commercial RESTAURANT/APARTMENTS
DONT CONNECTION

(3) Residential _____ (4) Undeveloped _____ (5) Other _____

Weather Conditions During On-Site Inspection: Clear & Windy

PRE-VISIT DATA COLLECTION

X USGS Map: Quad. JAMESTOWN Date: 1954

✓ Site Map: Date Downtown West End Development Site

Prepared By: CITY OF JAMESTOWN

X Geologic Map: NIAGARA SUBST Date: _____ Scale: _____

✓ Aerial Photo(s) Date: 1936 Scale: _____

1956

1977

1990

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

(1) Onsite: 3 TRANSFORMERS ON PILE 4-1 BPU, Potential
spills FROM LEAKING AUTOMOBILES IN REAR LOT

(2) Offsite: Soil & GROUNDWATER CONTAMINATION IN PROPERTY
ADJACENT TO SITE. TANKS REMOVED FROM ADJACENT SITE
THIS SUMMER.

(3) Other Factors: _____

(4) Further Investigation Warranted: OBTAIN PERMISSION FROM OWNER
TO INSPECT INSIDE OF BUILDING - TONY MATTHIA DENICO
ACROSS 10/23 & 10/25/01

Inspection Completed By: DAVID L. McLEY - SCIENTIST
(Name/Title)

10/25/01

(Date)

* Note: Not all checklist items apply to every site; place (N/A) adjacent to these items. Furthermore, some sites may require supplementary professional services. Check and Identify the need for further investigation.



✓ USDA Soil Survey County: CHAUTAUQUE Sheet: 108

Existing Subsurface Exploration Data

Collected By: _____

Well Data: _____ Unconsolidated _____ Bedrock

Detailed Questionnaire Required? _____ Yes _____ No _____

SITE RECONNAISSANCE

Inspector: David L. McLaughlin Date: 10/23/01

Non-Facility Visitors: N/A Weather: cloud, windy

(1) Topography/Fill Areas: FLAT, Sloping to South

(2) Soil/Geology: URBAN LAND

(3) Groundwater: TOPO DATA SUGGESTS FLOW TO SOUTH TO RIVER

(4) Surface Water: NONE ON SITE

(5) Wetlands: NONE ON SITE

(6) Vegetation: ALMOST NONEXISTENT, ALL SURFACES ARE PAVED

(7) Drainage: Describe OVERLAND FLOW TO CATCH BASINS ON WEST SECOND STREET

a) Building 3 STORY, BRICK, PAINTED

b) Site ROSE ALLEY ON EAST SIDE, CONSTRUCTION SITE ON WEST

c) Regional URBAN - COMMERCIAL

(8) Public Utilities: JAMESTOWN BPU Drinking Water JAMESTOWN BPU Electric

BPU Storm Sewer BPU Sanitary Sewer BPU Heating

Private Utilities (identify) NONE

(9) Evidence of Contamination: Note environmental features

a) General Building Information:

Bldg. Number 217-221 WEST 3rd St. Type: 3 story Commercial
Age: 1892 Features: Flat Roof, Stone Basement
Construction: Cut Stone Basement, Common BRICK EXTERIOR WALLS

b) Building Interior Condition: FAIR IN DOWNSTAIRS RESTAURANT

Odors: NONE Spillage: NONE

Potential Asbestos: ROOFING & CAULK

Housekeeping: FAIR-POOR

c) Building Exterior Condition: FAIR-POOR

Transformers Present? YES #4-1 Number: 3 Content: UNKNOWN

Area of Stained Soils NONE

Number of Tanks/UST: _____ Age: _____ Size: _____ Type: _____

Number of Tanks/UST: _____ Age: _____ Size: _____ Type: _____

(10) Storage Area Condition: NONE

Number of Drums: NONE Type: _____

Waste Removal: WASTE MANAGEMENT OF WESTERN NY. Number: 6665-5706 Type: DUMPSTER

Debris: _____ Number: _____ Type: _____

(11) Other: SMALL GREASE BOX FOR COOKING OIL ETC. NO IDENTIFICATION ON GREASE BOX.

History of Site Use: RESTAURANT AND LOUNGE ON STREET LEVEL
WITH APARTMENTS ABOVE

Past Activities:

ADJACENT PROPERTIES (Indicate distance/direction from site)

Properties: CONSTRUCTION SITE Business FUTURE ICE ARENA

ROSE AVE CITY STREET

DENVER CONNECTION 205 WEST THIRD ST.

Contiguous Properties Use:

Landfills: NONE

Lagoons: NONE

Storage Facilities: NONE

Gas Stations: DENVER STATION ABOUT 1 BLOCK AWAY AT
317 WEST THIRD ST, NOW CONSTRUCTION SITE.

Industrial: NONE

Agricultural: NONE

Other: COMMERCIAL

Environmental Concerns: (List) DATE OF CONSTRUCTION INDICATES POSSIBLE
ASBESTOS CONTAINING MATERIALS AND LEAD BASED PAINT.

PHOTOGRAPH CRONOLOGY

Photo No.

Description

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

INTERVIEWS

Person/Title/Length of Service

Remarks

| | |
|------------------|--------------------------------------|
| Tony Mattia | Will not allow site inspection until |
| owner - 20 years | certain business matters have been |
| | resolved between LIE and the city |
| | of Jamestown. Gas & electric heat, |
| | BPU water & sewer, No pits or |
| | sumps, Full basement. 3 of 6 |
| | upstairs apartments are occupied |
| | |
| | |

ATTACHMENT 05 A

ADDITIONAL SITE HISTORY

1936 R. L. Polk Directory
West Third Street Listings

| | |
|-----------------------------|--|
| -----Washington Street----- | |
| 201 West Third Street | Nelson's News Room Holmes Watch Repair Professional Building Barber Shop |
| 203 West Third Street | Professional Building Room 202 – Dentist Room 203 – Vacant Room 206 – Vacant Room 210 – Vacant Room 212 – Chiropodist Room 213 – Real Estate Room 214-217 – Chiropractor Room 218-220 – Vacant Room 221 – Erickson-Krotser Signs Room 222 – Foot Correctionists 301-302 – Dressmaker Room 305 – Hair Shop Room 309 – Wm. Smith Room 310 – Violin Shop 311-314 – Washington Music Studio 319-322 – Vacant |
| 203 West Third Street | Deluxe Hatters |
| 205 West Third Street | Ohlquist Shoe Repair |
| 207 West Third Street | Dairyland Confrs. |
| 207 ½ West Third Street | Rooms |
| 209 West Third Street | Waffle and Sandwich Shop |
| 211 West Third Street | Carlson Bros. Bakery |
| 215 West Third Street | Angelo's Fruit Market |
| -----Rose Alley----- | |
| 217 West Third Street | Brown Derby Restaurant |
| 219 West Third Street | Anderson Grocery & Meats |
| 223 West Third Street | Peterson's Key Shop |
| 225 West Third Street | Steak Shop Restr. |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|--------------------------------|
| -----Washington Street----- | |
| 200 West Second Street | Rooms |
| 204 West Second Street | Rooms |
| 212-216 West Second Street | Post Journal Press Inc. |
| -----Lafayette----- | |

Washington Street Listings

| | |
|------------------------------|---------------------------------|
| -----West Second Street----- | |
| 201-213 Washington Street | Supermarket |
| | Stall 1 – Burroughs Grocery |
| | Stall 2 – Vacant |
| | Stall 3 – Baker |
| | Stall 4 – Fruit Market |
| | Stall 5 – Vacant |
| | Stall 6 – Coffee & Tea |
| | Stall 7 – Vacant |
| | Stall 8 – Candies |
| | Stall 9-12 – Vacant |
| | Stall 13 – Swifts Retail Meats |
| | Stall 14 – Stohl's Dairy Dept. |
| | Stall 15 – Levan's Meat Market |
| | Stall 16 – Hill Top Flowers |
| 215 Washington Street | Real Estate/Rooms |
| 215 ½ Washington Street | Frank's Restaurant |
| 217 Washington Street | Fulton Market |
| 217 ½ Washington Street | Pittsburgh & Freeport Co. Inc. |
| 219 Washington Street | Lawrence Restr./Thomas Cleaning |
| 221 Washington Street | Professional Building |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|---|
| -----West Second Street----- | |
| 200 Lafayette Street | Holland Furnace Co. |
| 204 Lafayette Street | Rooms |
| 206 Lafayette Street | C&S Printing Co. |
| 208 Lafayette Street | Klein Taxi Co./Swanson Burdette Auto Repair |
| 210 Lafayette Street | John D. Kennedy |
| -----West Third Street----- | |

1930 R. L. Polk Directory
West Third Street Listings

| | |
|-----------------------------|---|
| -----Washington Street----- | |
| 201 West Third Street | Duffy's News Room/Barbershop |
| 203 West Third Street | Linder & Haggren Paint Contractors |
| | Professional Building |
| | Room – Listing are similar to those identified in |
| | 1936 R. L. Polk Directory |
| 203 West Third Street | Tsitso Bros. Shoe Shiners |
| 205 West Third Street | Ohlquist Shoes |
| 207 West Third Street | Lindstrom Mlnr. |
| 207 ½ West Third Street | Miller Apartments |
| 209 West Third Street | Waffle and Sandwich Shop |
| 211 West Third Street | Carlson Bros. Bakery |
| 215 West Third Street | Stanley Meats |
| -----Rose Alley----- | |
| 217 West Third Street | Cadillac Lunch/Apartments |
| 219 West Third Street | Lafayette Barbershop |
| 221 West Third Street | Pittsburgh and Freeport Coal Co. |
| 223 West Third Street | Rooms |
| 225 West Third Street | Arnson Auto Supplies |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|--|
| -----Washington Street----- | |
| 200 West Second Street | Rooms |
| 204 West Second Street | Rooms |
| 212-216 West Second Street | Post Journal Press Inc./Sherman Book Bindery |
| -----Lafayette----- | |

Washington Street Listings

| | |
|------------------------------|---|
| -----West Second Street----- | |
| 213 Washington Street | Supermarket |
| | Stalls – About the same as listed in the 1936 |
| | R.L. Polk Directory |
| 215 Washington Street | Dawson Real Estate |
| 217 Washington Street | Bucklin Bros. Auto Tires |
| 217 ½ Washington Street | Thomas Cleaning Co./Hemstitching |
| 219 Washington Street | Secor Restaurant |
| 221 Washington Street | Professional Building |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|---------------------------------|
| -----West Second Street----- | |
| 200 Lafayette Street | Jamestown Welding & Brazing Co. |
| 204 Lafayette Street | Gerry Miles |
| 206 Lafayette Street | Ward Motor Service |
| 208 Lafayette Street | Rooms |
| -----West Third Street----- | |

1924 R. L. Polk Directory

West Third Street Listings

| | |
|-----------------------------|-----------------------------|
| -----Washington Street----- | |
| 201 West Third Street | Duffy's New Room |
| 203 West Third Street | Vacant |
| 205 West Third Street | Stanley Optometrist |
| 207 West Third Street | Durfee Mlnr. |
| 209 West Third Street | Fuller Mlnr. |
| 209 ½ West Third Street | Pohlman/Bentley |
| 211 West Third Street | Ohlquist Shoes |
| 215 West Third Street | Stanley Meats |
| -----Rose Alley----- | |
| 217 West Third Street | York & Sweetland Restaurant |
| 219 West Third Street | Burgeson Tires |
| 221 West Third Street | Sam Ali Fruits |
| 223 West Third Street | Rooms |
| 225 West Third Street | The Benedict Motor Sale Co. |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|---------------------------------------|------------------|
| -----Washington Street----- | |
| 200 West Second Street | Horace Mecusker |
| 204 West Second Street | Harriett Arminsk |
| -----Hoyt Alley/Lafayette Street----- | |
| 212 West Second Street | Journal Press |

Washington Street Listings

| | |
|------------------------------|------------------------------|
| -----West Second Street----- | |
| 215 Washington Street | Jamestown St. Ry Barns/Rooms |
| 217 Washington Street | Bucklin Bros. Auto Tires |
| 219 Washington Street | Vacant |
| 221 Washington Street | Vacant |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|---------------------------------|
| -----West Second Street----- | |
| 200 Lafayette Street | Jamestown Welding & Brazing Co. |
| 204 Lafayette Street | Jerry Miles |
| 206 Lafayette Street | Peterson Monumental Co. /Rooms |
| 208 Lafayette Street | Julius Schoerner |
| -----West Third Street----- | |

1920 R. L. Polk Directory
West Third Street Listings

| | |
|-----------------------------|---------------------------------|
| -----Washington Street----- | |
| 201-213 West Third Street | Lillibridge Block/Rooms & Shops |
| 205 West Third Street | Stanley Optometrist |
| 209 West Third Street | Melin Milner |
| 212-222 West Third Street | Roberts Building |
| 200 West Third Street | Dentist |
| 202-204 West Third Street | Jamestown Dental Supply |
| 205 West Third Street | Jamestown Printing Concern |
| 250-251 West Third Street | Dressmaking |
| 252-254 West Third Street | Furniture Index |
| 255 West Third Street | Wm. Knauer |
| 258-260 West Third Street | Physicians |
| 213 West Third Street | Thomas Cleaning and Dyeing Co. |
| 215 West Third Street | Ernewein Meats |
| -----Rose Alley----- | |
| 217 West Third Street | Tousley Grocer |
| 218-222 West Third Street | Third & Lafayette Garage, Inc. |
| 219 West Third Street | Hanson's Tire Shop |
| 221 West Third Street | Duffy's New Room |
| 223 West Third Street | The Woodburn |
| 225 West Third Street | The Benedict Motor Sale Co. |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|-----------------|
| -----Washington Street----- | |
| 200 West Second Street | Rooms |
| 203 West Second Street | Alice Davis |
| 211 West Second Street | Lulu Conklin |
| 212 West Second Street | John Miller |
| 213 West Second Street | Kathryn Goggin |
| 217 West Second Street | Raymond Crocker |
| -----Lafayette Street----- | |

Washington Street Listings

| | |
|------------------------------|---|
| -----West Second Street----- | |
| 215 Washington Street | Jamestown St. Ry Barns/Jamestown W&NW RR Frt. Office |
| 217 Washington Street | Chautauqua Auto Tire Repair |
| 219 Washington Street | Puritan Lunch |
| 221-223 Washington Street | Lillibridge Flats |
| 232 Washington Street | Corke Shoe Repair |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|-------------------------|
| -----West Second Street----- | |
| 200 Lafayette Street | Jamestown Auto Laundry |
| 204 Lafayette Street | Henry Hogue |
| 206 Lafayette Street | Peterson Monumental Co. |
| 208 Lafayette Street | James Cowen |
| -----West Third Street----- | |

1913-1914 The Journal's Jamestown City Directory

West Third Street Listings

| | |
|-----------------------------|---------------------------------|
| -----Washington Street----- | |
| 201-213 West Third Street | Lillibridge Block/Rooms & Shops |
| -----Rose Alley----- | |
| 217 West Third Street | W. A. Knowlton |
| 219 West Third Street | Wm. S. Newton & Co. |
| 223 West Third Street | The Woodburn |
| 225 West Third Street | Heald & Marsh/Marsh Bros. |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|----------------------------------|
| -----Washington Street----- | |
| 202-210 West Second Street | Jamestown St Ry. Car Barns/Rooms |
| 212 West Second Street | Raymond Guy |
| -----Lafayette Street----- | |

Washington Street Listings

| | |
|--------------------------------------|---|
| -----West Second Street----- | |
| 215 Washington Street | Chautauqua Traction Co. Freight Offices/Rooms |
| 217 Washington Street | Pullman Cafe |
| 217 ^{1/2} Washington Street | E. L. Carpenter & Co. |
| 219 Washington Street | Puritan Lunch |
| 221-223 Washington Street | Lillibridge Flats |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|--------------------|
| -----West Second Street----- | |
| 204 Lafayette Street | Ralph Clancy/Rooms |
| -----West Third Street----- | |

1903-1904 The Journal's Jamestown City Directory

West Third Street Listings

| | |
|-----------------------------|---------------------------------|
| -----Washington Street----- | |
| 201-203 West Third Street | Lillibridge Block/Rooms & Shops |
| 201 West Third Street | Scotch Woolen Company |
| 203 West Third Street | Singer Sewing Machine Co. |
| 205 West Third Street | Star Palace Laundry |
| 213 West Third Street | The Weideman Co. |
| 215 West Third Street | The Woodburn |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|---------------------|
| -----Washington Street----- | |
| 203 West Second Street | Egbert Spencer |
| 211-217 West Second Street | Whitney Flats/Rooms |
| -----Lafayette Street----- | |

Washington Street Listings

| | |
|------------------------------|----------------------|
| -----West Second Street----- | |
| 211 Washington Street | Hirman Tappan |
| 215 Washington Street | Joseph Hocken Bakery |
| 217 Washington Street | Aroma Coffee Co. |
| 219 Washington Street | Ira Wilson |
| 221-223 Washington Street | Lillibridge Flats |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|-------------------|
| -----West Second Street----- | |
| 204 Lafayette Street | Levant Mason |
| 208 Lafayette Street | Dr. Henry Eastman |
| -----West Third Street----- | |

1899-1900 The Journal's Jamestown City Directory

West Third Street Listings

| | |
|-----------------------------|---------------------------------|
| -----Washington Street----- | |
| 201-207 West Third Street | Lillibridge Block/Rooms & Shops |
| 201 West Third Street | Vacant |
| 203 West Third Street | Singer Sewing Machine Co. |
| 205 West Third Street | Star Palace Laundry |
| 207 West Third Street | Peterson and Sellstrom |
| 209 West Third Street | Mary Dole |
| 211-213 West Third Street | Dr, H. P. Hall Block |
| 211 West Third Street | Clark Bros./Rooms |
| 213 West Third Street | Ross Sprague Co. |
| 215 West Third Street | David Hatch |
| -----Lafayette Street----- | |

West Second Street Listings

| | |
|-----------------------------|----------------|
| -----Washington Street----- | |
| 203 West Second Street | Charles Barker |
| 211 West Second Street | Joseph Cole |
| 213-217 West Second Street | Vacant Flats |
| -----Lafayette Street----- | |

Washington Street Listings

| | |
|------------------------------|---------------------|
| -----West Second Street----- | |
| 211 Washington Street | Theodore Carlson |
| 215 Washington Street | Adelbert Johnson |
| 217 Washington Street | John Eldens |
| 219 Washington Street | Star Palace Laundry |
| -----West Third Street----- | |

Lafayette Street Listings

| | |
|------------------------------|-----------------|
| -----West Second Street----- | |
| 204 Lafayette Street | Levant Mason |
| 208 Lafayette Street | Jennie Billings |
| -----West Third Street----- | |

ATTACHMENT 06

PREVIOUS PHASE II ENVIRONMENTAL INVESTIGATIONS

ATTACHMENT 06 A

OCTOBER 2002 PHASE II ENVIRONMENTAL INVESTIGATION

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
WEST END DEVELOPMENT SITE, JAMESTOWN, NEW YORK**

001109201

OCTOBER 2002

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
WEST END DEVELOPMENT SITE, JAMESTOWN, NEW YORK**

TABLE OF CONTENTS

| | | |
|------------|---|-----------|
| 1.0 | INTRODUCTION | 1 |
| 2.0 | SITE DESCRIPTION | 1 |
| 2.1 | General Discussion | 1 |
| 2.2 | Neighboring Properties | 2 |
| 2.3 | Site Topography | 3 |
| 2.4 | Site Geology And Hydrology | 3 |
| 3.0 | PREVIOUS PHASE I ENVIRONMENTAL SITE ASSESSMENT | 4 |
| 4.0 | FIELD INVESTIGATION | 5 |
| 4.1 | Drilling And Well Installation | 5 |
| 4.2 | Sample Collection And Analysis | 6 |
| 4.2.1 | Soil | 6 |
| 4.2.2 | Groundwater | 6 |
| 4.3 | Subsurface Conditions | 7 |
| 5.0 | ANALYTICAL RESULTS | 10 |
| 5.1 | Subsurface Soil/Fill | 10 |
| 5.2 | Groundwater | 13 |
| 6.0 | CONTAMINATION ASSESSMENT | 13 |
| 6.1 | Soil | 13 |
| 6.2 | Groundwater | 15 |
| 7.0 | SUMMARY AND CONCLUSIONS | 16 |
| 8.0 | LIMITATIONS | 18 |

FIGURES

FIGURE 1 - SITE LOCATION MAP
FIGURE 2 - SITE PLAN
FIGURE 3 - TEST BORING/MONITORING WELL SAMPLING LOCATION MAP

TABLES

TABLE 1 - WELL GAUGING DATA
TABLE 2 - SUBSURFACE SOIL ANALYSIS SUMMARY-DETECTED SVOCs & VOCs
TABLE 3 - SUBSURFACE SOIL ANALYSIS SUMMARY-TOTAL METALS
TABLE 4 - GROUNDWATER ANALYSIS SUMMARY - DETECTED SVOCs & VOCs
TABLE 5 - GROUNDWATER ANALYSIS SUMMARY - TOTAL METALS

APPENDICES

APPENDIX A - MONITORING WELL/TEST BORING LOGS
APPENDIX B - WELL INSTALLATION FIELD REPORTS
APPENDIX C - WELL DEVELOPMENT/SAMPLING LOGS
APPENDIX D - ANALYTICAL LABORATORY RESULTS - SUBSURFACE SOIL
APPENDIX E - ANALYTICAL LABORATORY RESULTS - GROUNDWATER

**Phase II Environmental Site Assessment Report
West End Development Site, Jamestown, New York**

1.0 INTRODUCTION

TVGA Consultants (TVGA) was retained by the City of Jamestown, Department of Development to perform a Phase II Environmental Site Assessment (ESA) of the West End Development Site in Jamestown, New York (see Figure 1). This Phase II ESA was undertaken to investigate potential sources of environmental concern identified during a previous Phase I ESA of the subject property, and was performed in support of the potential redevelopment of the property. More specifically, this Phase II ESA was conducted to investigate the potential presence of contaminated fill, soil and/or groundwater on the subject property.

The scope of this Phase II ESA included the preparation of a site specific Health and Safety Plan (HASP) complying with the requirements of 29 CFR 1910.210; the drilling of a series of eight (8) test borings across the site to enable the collection and chemical analysis of soil/fill samples; and the installation, development and sampling of four (4) groundwater monitoring wells characterize groundwater flow conditions and quality. SJB Services of Hamburg, New York completed test borings and monitoring well installations, while Paradigm Environmental Services, Inc. of Rochester, New York, provided laboratory services.

TVGA has prepared this report to detail the methodology used to collect and analyze soil, and groundwater samples; describe subsurface conditions encountered; evaluate resultant data with respect to the occurrence of contamination and, if present, potential sources and migration pathways; compare contaminant concentrations with applicable regulatory levels; and provide conclusions concerning the extent of contamination based on the data collected.

2.0 SITE DESCRIPTION

2.1 General Discussion

The subject property is composed of eight (8) separate parcels of land totaling 0.98 acres, known as the Downtown West End Development Site. The site is currently used for parking and for commercial purposes and also contains Rose Alley that runs north/south from West Second to West Third Street and a private alley running from Rose Alley eastward to Washington Street. There are two (2) occupied commercial buildings on the site. The larger of the two structures is a three story brick structure that is occupied by a restaurant lounge on the first floor, totals approximately 8,600 ft² and is located at 217-221 West Third Street. The smaller structure, which is also a restaurant, encompasses approximately 1,600 ft² and is located at 205 West Third Street, in the Town of Ellicott, City of Jamestown, Chautauqua County, New York.

The subject property has approximately 195' of frontage along West Third Street and 250' of frontage along Washington Street. There are a total of eight parcels in part or whole that have section, block, and lot (SBL) numbers assigned to them by the City of Jamestown

Assessor (Figure 2). The SBL Nos. of the parcels that comprise the subject property and a brief description of each parcel are included in the following table:

| SBL No. | Description |
|-----------|---|
| 411-2-3.2 | A vacant parcel now owned by CCIDA that has approximately 20' frontage on West Third Street and is bounded on the west side by the Future Lafayette Street. Access to this parcel is restricted due to a security fence associated with construction of the ice arena. |
| 411-2-4 | This parcel was formerly owned by Mattia Miele and is now owned by Jamestown Urban Renewal Agency (JURA) has approximately 40' of frontage on West Third Street with a three story commercial building, approximately 8,600 sf ² total. |
| 411-2-12 | This parcel is now owned by the City of Jamestown, and is bounded on the west side by Future Lafayette Street. Parcel is currently paved and used for parking. |
| 411-2-13 | Parcel now owned by the City of Jamestown that is bounded on the east by Rose Alley. Parcel is currently paved and is used for parking. |
| 411-2-5.1 | Ethel Enserro and others formerly owned this parcel. JURA now owns the property. It has approximately 60' of frontage on West Third Street, is paved, and is currently used for parking. |
| 411-2-5.2 | This parcel was formerly owned by Bendo and is now owned by the JURA. Rose Alley bounds the property on the west and south. Parcel is paved and currently used for parking. |
| 411-2-6 | This parcel was also formerly owned by Bendo and is now owned by the JURA. The property has approximately 58' frontage on West Third Street and approximately 105 feet of frontage on Washington Street. The parcel has a single story commercial building, approximately 1,600 sf ² total. The northern part of the parcel is paved and used for parking. |
| 411-2-7 | This parcel now owned by JURA and has approximately 125' frontage on Washington Street and approximately 120' frontage on West Second Street. The parcel is paved and used for parking. |

The subject property is identified as the Downtown West End Development Site. The City of Jamestown has designated the subject property as Zone C-3, Central Business District.

2.2 Neighboring Properties

Commercial construction and commercial land use characterize the site vicinity. The subject property is bounded on the north by West Third Street. On the North side of West Third Street is a gravel parking lot that is currently anticipated to be developed as a hotel.

The subject property is bounded on the south by West Second Street. On the south side of West Second Street is a former Conrail maintenance facility (formerly the Erie Lackawanna Passenger Station) at 211 West Second Street and the City of Jamestown Board of Public Utilities Electric Substation located at 101 Washington Street.

The east side of the site is bounded by Washington Street. There are currently two commercial buildings on the east side of Washington Street. At the intersection of Washington and West Third Streets is a vacant commercial building containing an empty storefront that is accessed from West Third Street. Adjacent to the aforementioned structure is a vacant lot. The lot was the site of a former dry cleaning facility, identified as Shea's Deluxe Cleaners at 212 Washington Street. The structure was demolished during August of 2002. Located at the intersection of Washington and West second Streets is the Rusty Nail, which is a restaurant and bar.

Lafayette Street and a concert club currently known as Shawbuck's at 212 West Second Street adjoin the site on the west. Beyond the west side of Lafayette Street is the recently constructed municipal ice arena complex.

2.3 Site Topography

A USGS 7.5 Minute Topographic Map is included as Figure 1, USGS Topographic Map. The topography of the subject property is predominantly flat, sloping gently to the south with an approximate elevation of 1320 feet above mean sea level (AMSL) based upon the USGS topographic mapping of the area. The majority of the site is paved and used for parking.

2.4 Site Geology and Hydrology

The Soil Survey of Chautauqua County indicates that the subject property is located in an area of silt loam. The subject property soil is designated as Ur – Urban Land, which is described as nearly level to sloping areas in which 85% or more of the surface is covered with asphalt, concrete or other impervious material. The Surficial Geologic Map of New York, Niagara Sheet, depicts the subject property area as being underlain by lacustrine silt and clay. The Geologic Map of New York, Niagara Section, depicts the uppermost bedrock formation beneath the subject property area as consisting of upper Devonian Period shales and siltstones, ranging from 250'-600' in thickness.

Based upon a review of the Flood Insurance Rate Map of the area, the subject property does not occur within the boundaries of a 100-year floodplain.

The New York State Department of Environmental Conservation (NYSDEC) wetland map and the U.S. Department of Interior Fish and Wildlife Service National Wetlands Inventory map for the Jamestown, New York Quadrangle were reviewed. No state or federal listed wetland areas are located on the subject property. No state wetland areas are located within a one-half mile radius of the subject property. There is one federal jurisdictional wetland area depicted on the National Wetland Inventory (NWI) map located approximately 0.2 miles south of the subject property. The wetland is located at the Chautauqua Lake outlet or Chadakoin River and is described as being Palustrine Open Water.

Storm water runoff occurring on the subject property drains via overland flow to on-site catch basins in West Third Street, Washington Street and West Second Street, and ultimately to the municipal storm sewer system.

Regional groundwater flow direction on the subject property, inferred from topographic mapping of the area, is generally to the south, toward the discharge area represented by the Chadakoin River. Southerly groundwater flow was confirmed during the subsurface investigation of the project site. Residences and businesses in the site vicinity are serviced by the municipal water supply and sanitary sewer system of the City of Jamestown.

3.0 PREVIOUS ENVIRONMENTAL ASSESSMENTS, INVESTIGATIONS AND REMEDIAL ACTIONS

Previously completed environmental assessments of the subject property and adjacent properties were consulted to assist in development of an appropriate scope-of-work for this Phase II ESA. The previous environmental studies reviewed include:

The Phase I ESA completed on The West End Development Site In October 2001;
Information contained in The New York State Department of Environmental Conservation (Nysdec) files concerning the adjacent Jamestown Ice Arena Site;

The information in the above referenced sources indicated the potential for on-site soil and groundwater contamination in connection with the historical use of the property for commercial purposes. The subject property area was occupied by a variety of commercial operations, which included dry cleaning, welding, commercial printing and automobile tire repair. Common contaminants associated with these types of commercial operations include: solvents, degreasers, dry cleaning fluids, petroleum products, thinners and metals. Particular areas of concern identified as a result of these studies include:

- The potential for past discharges of petroleum, solvents, and other chemicals into structures formerly present on the property, and/or into the ground or subsurface of the property in association with past commercial practices and/or poor housekeeping practices.
- The demolition of several large structures formerly present on the subject property indicates the potential presence of buried construction and demolition debris and contaminated fill materials on the subject property.
- Groundwater flow direction across the adjacent ice arena site, where petroleum-contaminated soil and groundwater have been documented, is reportedly to the southeast. The position of a portion of the subject property adjacent to, and hydrologically down-gradient of, the ice arena site indicates the potential for contaminant migration from the Ice Arena site onto the subject property.
- The presence of a recently discovered, abandoned UST of unknown size and condition on an adjoining property, 212 West Second Street, indicates the potential for the migration of subsurface petroleum contamination onto the subject property.
- The presence of a gas station site, which reportedly contains numerous old inactive USTs and

which experienced a tank failure that was not cleaned up per applicable standards, located less than 0.2-miles hydrologically up-gradient from the subject property indicates the potential for the migration of subsurface petroleum contamination from the gas station site onto the subject property.

4.0 FIELD INVESTIGATION

4.1 Drilling and Well Installation

Eight (8) test borings were drilled across the site using a truck-mounted Acker Soil Max drill rig. Four (4) of the eight (8) test borings were drilled to a depth of 10 feet. The remaining four (4) test borings were advanced into the saturated zone completed with groundwater monitoring wells. The locations of these borings and monitoring wells are depicted on Figure 3. All drilling activities were performed under Level D health and safety specifications, and were supervised and documented by an experienced scientist equipped with an HNu® Model PI-101 photoionization detector (PID), equipped with a 10.2 eV bulb for the monitoring of organic vapors in the breathing zone.

The test borings were advanced through unconsolidated geologic material using hollow stem augers (HSAs) with continuous split-spoon sampling. The boring and well locations were slightly modified based upon field conditions. Test borings and monitoring wells were advanced using 4-1/4-inch I.D. HSAs. The locations of the shallow test borings were selected to investigate areas of the site that formerly contained large structures. The former presence of these large structures indicated the potential presence of buried construction and demolition debris and contaminated fill materials on the subject property. The deeper test borings, which were completed as groundwater monitoring wells, were located in areas of potential concern identified on the project site (e.g., near the ice arena site, UST site and former commercial printing business), and to provide both up-gradient and down-gradient groundwater monitoring points. The locations of the test borings and monitoring wells are depicted on Figure 3, which also shows the location of two remaining on-site structures. Test borings were advanced to depths ranging from 10' below ground surface (bgs) to a maximum of 54' bgs.

Upon retrieval, each soil sample was field screened with the PID for Total Organic Vapors (TOVs), classified, and a representative sample placed in a driller's jar for headspace analysis. Soil samples from each split spoon with sufficient recovery were screened with a PID upon retrieval by separating the soil column with a stainless steel spoon and placing the probe tip near the void. In addition to direct screening of the soil samples upon retrieval, headspace analysis was also completed on the driller's jars of soil using the PID. The peak TOV concentration for direct screening and headspace screening, in parts per million (ppm) for each sample was recorded on the boring logs. Visual and olfactory evidence of contamination was encountered during drilling and sampling activities at TB-3. Boring logs presenting information concerning drilling parameters, lithologic descriptions, and field screening results are provided in Appendix A.

Hollow stem augers were steam cleaned prior to use at each test boring location, and split-spoon samplers were decontaminated with a detergent wash and potable water rinse prior to the collection of each sample. Wash fluids were discharged to the ground surface in the vicinity where soil boring and decontamination occurred. With the exception of the four (4) test borings that were completed with monitoring wells, auger cuttings were returned to the boreholes from which they were removed. Auger cuttings generated during drilling activities were staged on plastic as per NYSDEC TAGM 4032, Disposal of Drill Cuttings, pending the results of the chemical analysis of the soils.

The four (4) monitoring wells were constructed of 2-inch I.D., Schedule 40 PVC screen (10-slot) and riser, fitted with an end cap. The annular space between the well screen and borehole of each well was backfilled with filter sand to a height of approximately 1 foot above the top of the well screen, followed by a bentonite seal, typically measuring approximately 2 feet. The remaining annular space was backfilled with a cement/bentonite grout mixture. The wells were installed to approximate depths ranging from 45 to 54 feet bgs. The four (4) monitoring wells were completed with flush-mounted protective casings. Illustrated well completion diagrams are presented on monitoring well installation report forms included as Appendix B.

4.2 Sample Collection and Analysis

4.2.1 Subsurface Soil

One subsurface soil sample from each of the eight (8) test borings was selected for laboratory analysis. Samples were selected from these boring/well locations based upon field observations, and to ensure general coverage of the site. Samples were selected for analysis if they exhibited detectable TOVs above background levels, or, the interval contained visual staining, discoloration, or fill material. In the absence of detectable TOVs, visual contamination, or fill material, the interval interpreted to be immediately above the water table was selected for analysis.

The samples were transferred from the driller's jars to laboratory pre-cleaned containers, labeled, placed in a cooler on-ice and transported under proper chain of custody records to the laboratory. Soil samples from three (3) boring/monitoring well locations were analyzed for the VOCs and SVOCs appearing on the EPA TCL using EPA Methods 8260 and 8270, respectively, and for RCRA metals. Soil samples from the remaining five (5) boring/monitoring well locations were analyzed for the VOCs and SVOCs listed in *Spill Technology and Remediation Series (STARS) Memo No. 1*, published by the NYSDEC, using EPA Methods 8021 and 8270.

4.2.2 Groundwater

Prior to the collection of groundwater samples from the four (4) on-site monitoring wells, the static water level within each well was measured. Initial water level measurements were determined in order to calculate the volume of standing water within the well casing to ensure

appropriate purge volumes to collect representative fresh formation water. Each well was developed and sampled using a dedicated disposable polyethylene bailer. The well development logs and the well sampling logs containing the purge data and sampling information are presented in Appendix C. Well development continued until a minimum of three (3) well volumes had been removed, or until dryness. After well development, the water level within each of the wells was allowed to return to a static condition, and the wells were sampled within 24 hours of initiating development, using dedicated polyethylene bailers. The groundwater generated from the development and purging of the wells was discharged to the ground surface in the vicinity of each well.

Collected samples were placed in labeled, laboratory pre-cleaned containers, in a cooler on ice, and transported under proper chain of custody records to Paradigm for laboratory analysis. The groundwater samples from three (3) monitoring wells were analyzed for the VOCs and SVOCs listed in *Spill Technology and Remediation Series (STARS) Memo No. 1*, published by the NYSDEC using EPA Methods 8021 and 8270, respectively. The groundwater sample from the remaining monitoring well was analyzed for the VOCs and SVOCs appearing on the EPA TCL using EPA Methods 8260 and 8270, respectively, and for total concentrations of the metals appearing on the RCRA List using various EPA methods.

Quality Assurance/Quality Control (QA/QC) measures taken to ensure the reliability of the data generated included the following:

- A trip blank accompanied the sample vessels from the laboratory to the site for the duration of the sampling event and was analyzed for VOCs listed in *Spill Technology and Remediation Series (STARS) Memo No. 1*, published by the NYSDEC, using EPA Method 8021 to document any possible cross contamination during sample shipment.

4.3 Subsurface Conditions

The subsurface conditions at the project site were evaluated during the drilling and continuous split spoon sampling of the eight (8) test borings completed during the course of this Phase II ESA. Fill materials were encountered either at the surface or immediately below the asphalt paving that covers most of the site. Native soil consisting of gravel, sand and silt was typically encountered below fill material.

Soil boring and monitoring well MW-1 was located on the northern side of the project site in the vicinity of the recently reconstructed West Third Street. This location was selected for the installation of a soil boring/groundwater monitoring well to provide an upgradient location for groundwater sampling and to investigate fill materials in an area formerly occupied by a large three story commercial building known as the Professional Building. Historical information indicated that the Professional Building was occupied by a variety of enterprises that included news stands, clothing retailers, hatters and cleaners, press shop and shoe repair shops. The area has been used for parking since the demolition of the Professional Building in the late 1960s. MW-1 was advanced to a depth of 52' bgs. This boring location revealed fill material

from ground surface to 10' bgs, consisting of sand and gravel with minor amounts of brick and wood debris. Underlying the fill material at this location were lacustrine deposits of clay, clayey silt or clayey gravel with sand and silt. There were no indications of elevated TOVs detected in any of the split spoon samples. A sample from overburden located at 40-42 bgs was submitted for laboratory analysis.

Soil boring TB-1, was located in the north central portion of the site, west of the Donut Connection building and north of Federal Alley. This location is also within the footprint of the former Professional Building. TB-1 was advanced to a depth of 10' bgs. Fill materials were encountered from the surface to 10' bgs at this location. There were no indications of elevated TOVs detected in any of the split spoon samples. A soil sample from the 8-10 bgs interval was submitted for laboratory analysis.

Soil boring TB-2 was located at the northwestern corner of the project site at the intersection of West Third Street and the newly constructed Lafayette Street. This location was selected to investigate fill materials placed in an area formerly occupied by several adjoining commercial structures that have since been demolished. Historical information indicated that these structures formerly contained a variety of stores, restaurants, and bars. TB-2 was advanced to a depth of 10' bgs. Fill materials consisting of sand, coal fragments and gravel with minor amounts of brick and wood debris were encountered from ground surface to 10' bgs. Slightly elevated TOV concentrations of 1 ppm were measured with the PID while direct screening the soil in the split spoon from the 8-10' bgs interval. A soil sample from this interval was submitted for laboratory analysis.

Soil boring and monitoring well MW-2 is located along the western side of the project site in the vicinity of the ice arena site, and the former commercial printing business known as the Journal Press. The location of this soil boring/monitoring well was selected to investigate fill materials and groundwater adjacent to, and reportedly down-gradient of, the ice arena site, where subsurface petroleum contamination has been documented. Soil boring/monitoring well MW-2 was advanced to 54' bgs. This boring location revealed fill material from ground surface to 10' bgs, consisting of sand and gravel with minor amounts of brick and concrete debris. Underlying the fill material at this location were lacustrine deposits of clay, clayey silt or clayey gravel with sand and silt. No elevated TOV concentrations were detected while direct screening the soil in the split spoon samples from MW-2. TOV concentrations were observed to be slightly elevated (1 ppm) while screening the head space in soil samples from the 34-36', 40-42', 44-46' and 46-48' bgs intervals. A soil sample from the 46-48' bgs interval was submitted for laboratory analysis.

Soil boring and monitoring well MW-4 was located at the southwestern corner of the project site, near the intersection of West Second Street and Rose Alley. The location of this soil boring/monitoring well was selected to investigate fill materials and groundwater adjacent to, and hydrologically down-gradient of, the Ice Arena development site. The area is also proximal to an abandoned UST, located at the southeast corner of the former Journal Press. MW-4 was advanced to a depth of 54' bgs. This boring location revealed fill material from ground surface to 10' bgs, consisting of sands and gravel with minor amounts of brick and

concrete debris. Underlying the fill material at this location were lacustrine deposits of clay, clayey silt or clayey gravel with sand and silt. There were no indications of elevated TOVs detected in any of the split spoon samples. A sample from overburden located at 44-46' bgs was submitted for laboratory analysis

Soil boring and monitoring well MW-3 was located at the southeastern corner of the project site, at the intersection of West Second Street and Washington Street. The location of MW-3 was selected to provide coverage of the southeastern portion of the project site and is also within the footprint of three story commercial structure that was formerly located in this area. The available historical information identified the structure as the Washington Public Market with apartments located on the upper floors. The structure was later occupied by a wholesale drug supply business. MW-3 was advanced to a depth of 45.5'. This boring location revealed fill material from the ground surface to 6' bgs, consisting of sand and gravel with minor amounts of brick and concrete debris. Underlying the fill material at this location were lacustrine deposits of clay, clayey silt or clayey gravel with sand and silt. There were no indications of elevated TOVs detected in any of the split spoon samples. A sample from overburden located at 42-44' bgs was submitted for laboratory analysis

Soil boring TB-4 was located in the south central portion of the site, also within the footprint of the former Washington Public Market. Fill materials extended to 10' bgs at this location. TOV concentrations, as measured with the PID, were 1 ppm while direct screening the soil in the split spoon and subsequently measured 2 ppm while screening the sample head space from the 8-10' bgs interval. A composite soil sample from the 6-8 and 8-10 bgs interval was submitted for laboratory analysis.

Soil boring TB-3 was located along the eastern side of the project site, near the intersection of Federal Alley and Washington Street. This location was selected to investigate fill materials placed in an area formerly occupied by several commercial structures accessed from Federal Alley. Historical information indicated that the structures were occupied by a welding shop and an automobile tire repair shop. TB-3 was advanced to a depth of 10' bgs. This boring location revealed fill material from ground surface to 6' bgs, consisting of silt, sand and gravel with minor amounts of ash, coal, brick and concrete debris. Brown/black staining and a moderately strong chemical odor was noted in the soil sample obtained from the 4-6' bgs interval. TOV concentrations, as measured with the PID, were as high as 3 ppm while direct screening the soil in the split spoon from the 2-4' bgs interval. A soil sample from this interval was submitted for laboratory analysis.

Static water level measurements were recorded in the on-site monitoring wells prior to well sampling on August 22nd and again on September 9th when the relative elevation of the top of casing for each well was determined. During these measuring events, groundwater levels remained fairly consistent, indicating recharge to static conditions. The groundwater levels in the monitoring wells ranged from 27.85 - 26.97' (MW-1), 40.50 - 40.65' (MW-2), 39.15 - 39.25' (MW-3) and 38.61 - 38.30' (MW-4) below the top of the well casings (see Table 1).

It is believed that MW-1 is screened in a lower confined or partially confined aquifer, whereas the remaining wells are screened in an upper unconfined aquifer, hence the relative difference in the depth to water in MW-1 compared to the other three wells. Flowing sands and silts were encountered in the overburden during completion of MW-1, making the installation of the well screen, riser and sand pack difficult. Flowing sand conditions can develop as a result of high pore pressure in confined or partially confined aquifer systems.

The elevation of the top of the well casing at each monitoring well location was surveyed relative to a reference elevation of 100 feet. Using the water level measurements and the top of casing elevations shown in Table 1, relative groundwater elevations were calculated for the purpose of determining groundwater flow direction. Based upon the relative elevations determined for MW-2, MW-3 and MW-4, groundwater flow direction in the upper-most water-bearing zone is generally to the south toward the discharge area represented by the Chadakoin River. The direction of groundwater flow within the lower confined or partially confined aquifer was not determined during the course of this Phase II ESA.

5.0 ANALYTICAL RESULTS

5.1 Subsurface Soil/Fill

A total of eight (8) subsurface soil samples were submitted for chemical analysis. One (1) subsurface soil/fill sample from each of the eight (8) test borings was submitted for chemical analysis. The complete laboratory report containing the analytical results, QA/QC data, and chain of custody records from the subsurface soil samples is presented in Appendix D. Five (5) of the eight (8) subsurface soil samples were analyzed for the VOCs and SVOCs listed in *Spill Technology and Remediation Series (STARS) Memo No. 1*, published by the NYSDEC using EPA methods 8021 and 8270. The remaining three (3) subsurface soil samples were analyzed for the VOCs and SVOCs appearing on the EPA Target Compound List using Methods 8260 and 8270, and for RCRA metals. Table 2 provides a summary of detected VOCs and SVOCs and their corresponding concentrations, while Table 3 presents the concentrations of all of the inorganic parameters for which the samples were analyzed.

The soil samples were labeled by indicating the boring location followed by a suffix denoting the subsurface interval sampled. The suffix definitions are as follows:

- S1 = from the 0-2' below ground surface (bgs) interval;
- S2 = from the 2'-4' bgs interval;
- S3 = from the 4'-6' bgs interval, and;
- S4 = from the 6'-8' bgs interval.

For each of the samples submitted for chemical analysis, the borehole location, followed by the subsurface interval sampled, and the rationale for sample selection is as follows:

- TB-1-S5 was selected to ensure general coverage of the site by including a soil sample from the north central portion of the project site, within the footprint of the

former Professional Building. The S5 interval was selected for chemical analysis because it was the interval likely to be at or near the elevation of the basement level of the former commercial structure as evidenced by the recovery of concrete fragments in the split spoon sample.

- TB-2-S5 was selected to ensure coverage of the periphery of the site by including a soil sample from the northwest end of the project site, also within the footprint of a former commercial structure, and because of its proximity to the Ice Arena development site. The S5 interval was selected for chemical analysis because it was the interval likely to be at or near the elevation of the basement level of the former commercial structures and because of the slightly elevated TOV levels detected by the PID during direct screening of the split spoon samples.
- TB-3-S3, located on the east side of the site, near the intersection of Federal Alley and Washington Street, was selected to provide coverage of the periphery of the site. TB-3-S3, located in the vicinity of a former welding shop and automobile tire repair facility, was selected for chemical analysis because the PID detected TOV levels during the direct screening and head space screening. Additionally, visual and olfactory evidence of potential contamination was identified in the S3 interval.
- TB-4-S4/S5 was selected to ensure general coverage of the site by including a soil sample from the south central portion of the project site, within the footprint of the former commercial structure identified as the Washington Public Market. A composite sample from intervals S4 and S5 was selected because it was the interval likely to be at or near the elevation of the basement level of the former commercial structure and because slightly elevated TOV levels of 2 ppm were detected during head space screening of the sample collected from the S5 interval.
- MW-1-S21 was selected to provide general coverage of the site by including a soil sample from the north boundary of the project site, within the footprint of the former Professional Building. The S21 interval was selected for chemical analysis because it was the interval likely to be at or near the top of the water table.
- MW-2-S24 was selected to provide general coverage of the site by including a soil sample from the western boundary of the project site, in proximity of the Ice Arena development site and the former Journal Press. The S24 interval was selected for chemical analysis because it was the interval likely to be at or near the top of the water table.
- MW-3-S22 was selected to provide general coverage of the site by including a soil sample from the southeast corner of the project site. The S22 interval was selected for chemical analysis because it was the interval likely to be at or near the top of the water table.
- MW-4 was selected to provide general coverage of the site by including a soil sample from the southwest corner of the project site. The S23 interval was selected for chemical analysis because it was the interval likely to be at or near the top of the water table.

No VOCs were detected in any of the subsurface soil samples submitted for chemical analysis. With the exception of TB-3-S3 and MW-3-S22, no SVOCs were detected in any of the samples submitted for chemical analysis. As reflected by Table 2, sample TB-3-S3

contained detectable concentrations of eleven (11) SVOCs, while MW-3-S22 contained detectable concentrations of one (1) SVOC. The greatest concentration of any individual SVOC detected in TB-3-S3 was 14,200 ppb of phenanthrene, while the cumulative concentration of SVOCs in this sample equaled 65,960 ppb. The concentration of the single SVOC detected in MW-3-S22 was 705 ppb of bis (2-ethylhexyl) phthalate.

Table 2 also presents a comparison of the organic compounds detected in TB-3-S3 and MW-3-S22 with the recommended soil cleanup objectives established in the NYSDEC TAGM HWR-92-4046. This comparison revealed the following:

- The concentration of the single SVOC detected in the sample from MW-3 (bis (2-ethylhexyl) phthalate) is well below the applicable NYSDEC recommended soil cleanup objective of 50,000 ppb;
- Seven (7) of the eleven (11) SVOCs detected in the sample from TB-3 are well below the applicable NYSDEC recommended soil cleanup objectives.
- Four (4) of the eleven (11) SVOCs detected in the sample from TB-3 (benzo (a) anthracene, benzo (a) pyrene, Benzo (b) fluoranthene, and chrysene) are present in concentrations that exceed the applicable NYSDEC recommended soil cleanup objectives; and
- The total concentration of SVOCs detected in the sample from TB-3 (65,960 ppb) is well below the NYSDEC guidance level of 500,000 ppb total SVOCs;

Results from the analysis of the subsurface soil samples for inorganic parameters are presented in Table 3. As illustrated by the table, the inorganic chemistry of the samples was generally comparable, although a review of the highest concentrations of each parameter detected on a site-wide basis indicated that the sample from TB-3 had the highest incidence of site-wide maximum parameter concentrations.

Table 3 also presents a comparison of the inorganic parameter results with typical background levels found in the eastern United States, as well as with the NYSDEC recommended soil cleanup objectives. According to TAGM HWR-92-4046, in the absence of soil background data from near the site, eastern U.S. background values may be utilized to determine soil cleanup objectives. Since no background soil samples were collected as part of this ESA, the regional U.S. values were utilized for this comparison, which indicates:

- The concentrations of eleven (11) of the fourteen (14) inorganic parameters detected were below typical eastern U.S. background levels;
- Arsenic and cadmium were detected in TB-3 at levels that slightly exceed the typical eastern U.S. background level for these parameters; and
- The arsenic level in MW-1 and MW-4 also exceeded the NYSDEC recommended soil cleanup objective for this parameter.
- Cadmium levels in TB-3 exceeded the NYSDEC recommended soil cleanup objectives for this parameter

5.3 Groundwater

One (1) groundwater sample was collected from each of the four (4) on-site monitoring wells for chemical analysis. Groundwater samples from three (3) monitoring wells were analyzed for the VOCs and SVOCs listed in *Spill Technology and Remediation Series (STARS) Memo No. 1*, published by the NYSDEC using EPA Methods 8021 and 8270. The groundwater sample from the remaining monitoring well (MW-4) was analyzed for the VOCs and SVOCs appearing on the EPA TCL using EPA Methods 8260 and 8270, and for total concentrations of metals appearing on the RCRA List using various EPA methods. The laboratory report containing the analytical results and QA/QC data from the groundwater samples is presented in Appendix E.

The results from the analysis of the groundwater samples for detected VOCs are presented in Table 4, while the analytical results for inorganic parameters are presented in Table 5. No SVOCs were detected in any of the groundwater samples collected from the site.

As reflected by Table 4, no VOCs were detected in the groundwater samples from MW-1 or MW-4. One (1) VOC, methyl tert-butyl ether (MTBE), was detected in the groundwater sample collected from MW-3, while VOCs consisting of benzene, toluene, ethylbenzene and xylenes (BTEX) compounds were detected in the groundwater sample collected from MW-2.

Table 4 also presents a comparison of the VOCs detected in MW-2 and MW-3 with the New York State ambient water quality standards. This comparison indicated that the concentration of MTBE detected in MW-3 exceeds the groundwater standard, as do the concentrations of BTEX compounds detected in MW-2.

Table 5 presents a comparison of the inorganic results from the sample collected from MW-4 with the applicable ambient water quality standards (WQS) and guidance values established in the NYSDEC Division of Water *Technical and Operational Guidance Series (TOGS) 1.1.1* (1998). This comparison revealed the following:

- Three (3) of the four (4) metals detected in MW-4 were detected at levels below the applicable ambient (WQS) and guidance values; and
- Arsenic was detected in MW-4 at a concentration slightly above the standard.

Analytical results from the trip blank indicate that no VOCs were detected in this QA/QC sample. Therefore, there were no indications that any cross contamination due to sample handling, storage or shipping procedures occurred during the course of the project.

6.0 **CONTAMINATION ASSESSMENT**

6.1 Subsurface Soil/Fill

No VOCs were detected in any of the soil/fill samples collected from the site. Meanwhile, SVOCs were detected in only two (2) of the eight (8) subsurface soil samples submitted for

chemical analysis. Of these two (2) samples, only one (1) contained SVOCs at levels that exceed the NYSDEC guidance levels. This sample, TB-3-S3, was collected from fill material at a depth of 4-6'. Historical information has indicated the presence of a former automobile tire repair and welding shop in the vicinity of TB-3. Only four (4) of the eleven (11) SVOCs detected in TB-3 were present at concentrations that exceed the recommended cleanup objectives established by the NYSDEC

The SVOCs encountered in the fill material encountered in TB-3 are categorized as polycyclic aromatic hydrocarbons (PAHs), which are commonly associated with industrial applications involving petroleum-based products, and are found in heavy fractions of petroleum distillation, asphalt, coal tar, and creosote. They also form from the incomplete combustion of fossil fuels. The presence of PAHs in the on site fill materials is likely a byproduct of previous commercial activity at the site, or is reflective of the chemistry of the fill materials placed on the site. However, no existing or former confirmed point sources of contamination (e.g., leaking storage tanks, drums, process discharges, etc.) were identified during the course of this Phase II ESA or the previous Phase I ESA. It should also be noted that the delineation of the extent of the contaminated fill occurring on the project site was beyond the scope of this Phase II ESA.

Despite the detection of individual SVOCs at concentrations that exceeded the applicable regulatory levels, the cumulative concentration of SVOCs detected in the sample from TB-3 was well below the NYSDEC guidance level of 500,000 ppb for total SVOCs, and no individual compounds exceeded the related NYSDEC threshold of 50,000 ppb. The presence of PAHs in the subsurface soil is not anticipated to influence groundwater quality at the levels detected because the compounds are characterized by low solubilities in water and are relatively immobile in the subsurface, and because of the substantial depth to the water table.

Since this fill material is covered with an asphalt cap and the residences and business in the site vicinity are serviced by a municipal water supply system, the presence of these SVOCs in the fill materials is not expected to pose a human exposure risk under the current use scenario. However, should these materials be exposed or excavated in conjunction with construction activities during site redevelopment, an exposure risk to the construction workers and general public in the surrounding area could result. Consequently, it may be necessary to take the following pre-cautions during redevelopment of the site:

- Perform air monitoring during the excavation of the fill material;
- Employ dust suppression measures for areas of exposed fill;
- Cover the fill material with asphalt and/or concrete building slabs; and
- Dispose of excavated fill material that will not be used on-site in an appropriately permitted off-site disposal facility.

In general, the concentration of inorganic parameters detected in the soil samples were within or slightly above background levels commonly encountered in the eastern United States, and are considered to be comparable to levels typically found in similar urban areas. Arsenic was

the only inorganic parameter that was observed at levels that marginally exceeded typical regional U.S. background levels as well as the NYSDEC cleanup objectives in each of the three (3) samples analyzed. Cadmium slightly exceeded typical regional U.S. background levels as well as the NYSDEC cleanup objectives in one (1) sample. These levels may be reflective of the composition of fill materials/native materials present in this area and/or the urban nature of the study area.

6.2 Groundwater

No SVOCs were detected in any of the groundwater samples collected from the site. Meanwhile, VOCs were detected in two (2) of the four (4) monitoring wells. No VOCs were detected in MW-1 or MW-4, while a total of six (6) VOCs were detected in MW-2 and MW-3 at relatively low concentrations.

The five (5) VOCs detected in the groundwater sample collected from MW-2 consisted of aromatic hydrocarbons commonly associated with gasoline, and were present in concentrations that exceed the applicable NYS ambient water quality standards. The location of MW-2 is adjacent to, and reportedly down-gradient from, the ice arena site, where petroleum-contaminated groundwater has been documented. Consequently, the groundwater contamination detected in MW-2 is suspected to be emanating from an off-site source. It should be noted, however, that the delineation of groundwater contamination in the vicinity of MW-2 was beyond the scope of this Phase II ESA.

One (1) VOC, MTBE, was also detected MW-3 at a concentration that slightly exceeds the applicable NYS ambient water quality standard. MTBE has been utilized since the 1970's as a gasoline additive to enhance octane levels. MTBE is highly soluble in water and, therefore, very mobile in groundwater systems. Based upon the lack of any historical records indicating the storage or dispensing of gasoline on the project site since 1970 and the absence of VOCs in soil and fill samples collected from the site, it is unlikely that the MTBE detected in MW-3 originated from an on-site source.

Based upon a number of factors, the VOC contamination detected in the groundwater samples from MW-2 and MW-3 does not appear to represent a threat to human health under current and projected use scenarios. These factors include:

- The relatively low concentrations of the VOCs detected;
- The depth to the water table, which exceeds 30-feet; and
- The fact that businesses in the site vicinity are serviced by a municipal potable water supply system.

Given the lack of any complete exposure pathways and the likelihood that the groundwater contamination has migrated onto the site from an off-site source, it also appears unlikely that the City or a future developer would be required to undertake groundwater remediation at the site.

Arsenic was detected at levels slightly above applicable water quality standards at the MW-4 down-gradient location. Slightly elevated arsenic levels were also detected in subsurface soil samples collected from test boring/monitoring well locations within the study area. The elevated arsenic levels encountered within the study area appear to be representative of regional groundwater geochemistry. This is supported by information presented in *Ground-Water Resources of the Jamestown Area* (1966), which indicates that metals contamination from facilities in the Jamestown area has affected shallow groundwater resources along the Chadakoin River.

7.0 SUMMARY AND CONCLUSIONS

A Phase II Environmental Site Assessment (ESA) was completed at the West End development site, in Jamestown, New York. The objective of this Phase II ESA was to investigate recognized environmental conditions identified in connection with the subject property based upon the results of a Phase I ESA, completed by TVGA in November 2001. The scope of the field investigation performed in association with this Phase II ESA included the following major tasks:

- Completion and implementation of a site specific Health and Safety Plan (HASP) complying with the requirements of 29 CFR 1010.210 prior to field work;
- Drilling of eight (8) test borings across the site in areas of potential concern to collect, screen, and classify overburden deposits;
- Installation of four (4) groundwater monitoring wells to determine groundwater flow direction and facilitate the collection of representative groundwater samples; and
- Chemical analysis of soil and groundwater samples.

Field observations and subsurface samples collected during the performance of the drilling program at the subject property indicated the presence of a layer of fill containing sand, gravel, brick, concrete, and wood debris extending from the ground surface to approximate depth of 10' bgs. The fill material overlies lacustrine deposits consisting of silt, sand and gravel. Bedrock was not encountered in any of the test boring/monitoring wells installed on the site. Groundwater was encountered at depths ranging from 26-40 feet below the existing ground surface, and the direction of groundwater flow across the site was determined to be to the south, toward the discharge area represented by The Chadakoin River.

Evidence of potential contamination was noted during the drilling of only one (1) of the eight (8) test borings. Visual and olfactory evidence of contamination was encountered in fill the material identified from 4-6' bgs at TB-3. Detectable TOV concentrations were also observed with the PID within this interval. Historical information indicated the former presence of an automobile tire repair and welding shop in the vicinity of TB-3.

Analytical data resulting from this investigation confirmed the presence of organic contaminants in the shallow fill material encountered in the eastern-central portion of the site, at TB-3, and in groundwater samples collected from two (2) monitoring wells, MW-2 and MW-3. It should be noted, however, that the delineation of the extent of contaminated fill and groundwater on the project site was beyond the scope of this Phase II ESA. Although the levels of several inorganic parameters detected in soil and

groundwater were slightly elevated, these concentrations are considered to be within the levels typically encountered at urban sites in the area, and do not appear to be indicative of site-derived contamination.

The organic contaminants detected in the fill material belong to a class of semi-volatile organic compounds (SVOCs) called polycyclic aromatic hydrocarbons (PAHs). The presence of these compounds may be the result of past commercial use and/or poor housekeeping practices, or may reflect the chemistry of the fill material placed on the site. Of the twelve (12) semi-volatile organic compounds (SVOCs) detected in the samples from the site, only four (4) were present at concentrations that exceeded the applicable regulatory guidance levels, and the cumulative concentration of these was well within the regulatory guidance threshold for total SVOCs.

A handful of volatile organic compounds (VOCs) commonly associated with gasoline were detected in the groundwater samples collected from MW-2 and MW-3. The concentrations of these VOCs, although relatively low, exceeded the applicable groundwater standards. Based upon the characteristics and associations of the VOCs detected on the project site, the direction of groundwater flow, and the proximity of several up-gradient sites containing documented petroleum contamination in groundwater, the contamination is suspected to have migrated onto the project site from off-site sources.

Based upon the concentrations and characteristics of the contaminants detected in shallow fill and groundwater on the project site, the physical and hydrogeological conditions at the site, and the fact that businesses in the site vicinity are serviced by a municipal water supply system, no complete human exposure pathways exist under the current use scenario. This is also the case for the groundwater contamination under construction and future use scenarios. However, should the contaminated fill materials be exposed or excavated in conjunction with construction activities during site redevelopment, an exposure risk to the construction workers and the general public in the surrounding area from the inhalation of contaminated dust and/or dermal contact could result. Consequently, it may be necessary to take the following pre-cautions during redevelopment of the site:

- Perform air monitoring during the excavation of the fill material;
- Employ dust suppression measures for areas of exposed fill;
- Cover the fill material with asphalt and/or concrete building slabs; and
- Disposal of excavated fill material that will not be used on-site in an appropriately permitted off-site disposal facility.

Regulatory implications with respect to NYSDEC requirements for further investigation and/or remedial action at the site cannot be ascertained without the Department's involvement through a site-specific evaluation of site conditions. However, a number of factors currently minimize potential threats to human health and the environment associated with the contaminants detected on-site, and would likely be considered during such an evaluation. These factors include:

- The relatively low concentrations of the organic contaminants detected in fill and groundwater;

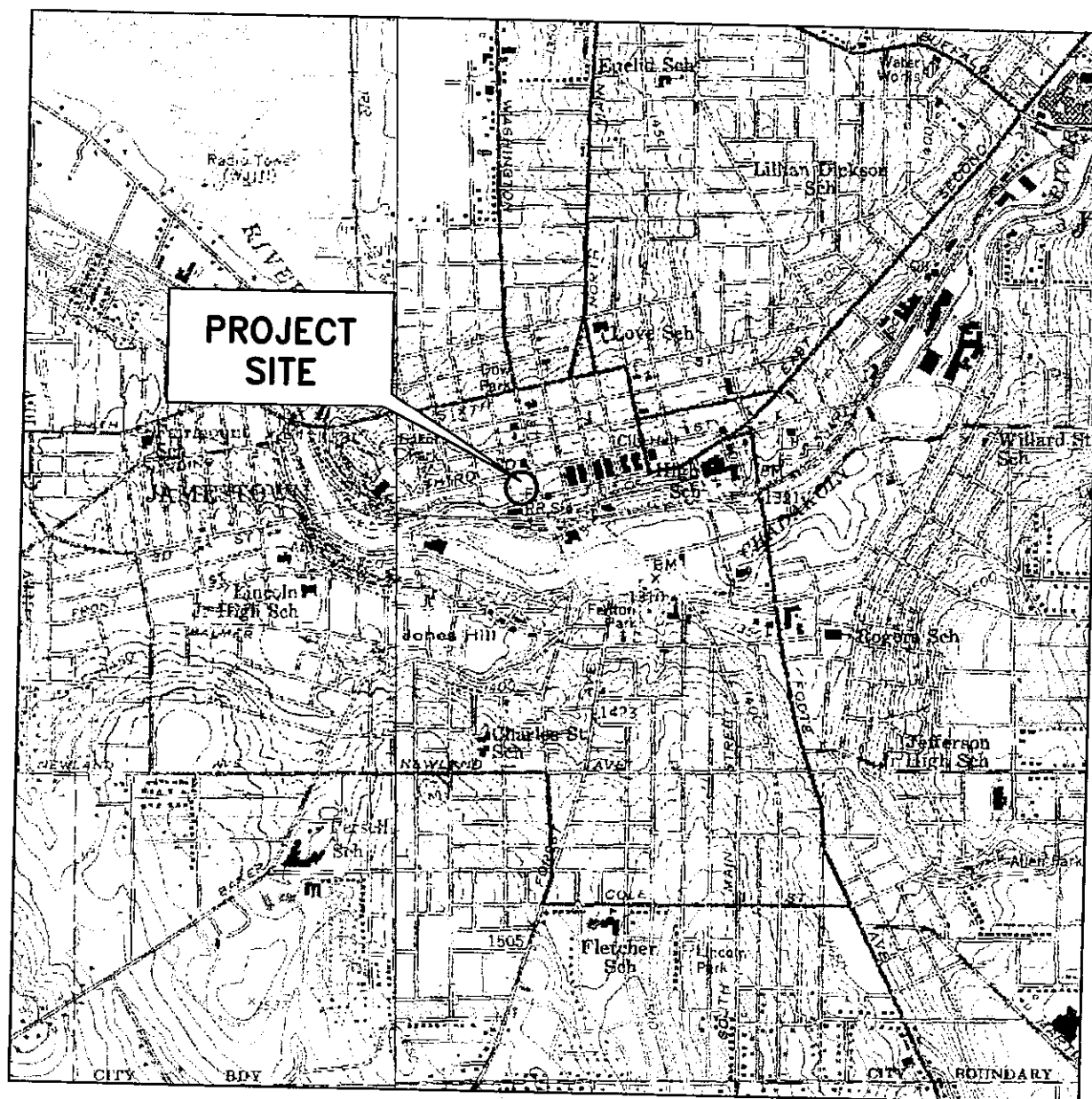
-
- The chemical characteristics of the contaminants detected in the fill material;
 - The depth to groundwater, which exceeds 30-feet;
 - The suspected off-site sources of the groundwater contamination; and
 - The existence of a public potable water supply system in the project vicinity;

8.0 LIMITATIONS

The conclusions presented in this report are based upon information gathered in accordance with the Scope of Services contracted by the Client using generally accepted professional consulting principles and practices. Information provided by outside sources (e.g., agencies, laboratories, etc.), as cited herein, was used in the assessment of the site. The accuracy of the conclusions drawn from this assessment is, therefore, dependent upon the accuracy of information provided by these sources. Furthermore, TVGA is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to the performance of services.

This report is based upon the application of scientific principles and professional judgement to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based upon the facts currently available within the limits of the existing data, scope of services, budget and schedule. To the extent that more definitive conclusions are desired by the Client than are warranted by the current available facts, it is specifically TVGA's intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action except where explicitly stated as such. TVGA makes no warranties, expressed or implied including without limitation, warranties as to merchantability or fitness of a particular purpose. Furthermore, the information provided in this report is not to be construed as legal advice. This Phase II ESA and related report have been conducted and prepared on behalf of and for the exclusive use of the City of Jamestown, and authorized parties thereof.

FIGURES



USGS TOPOGRAPHIC MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD, P.O. BOX H
ELMA, NEW YORK 14059-0264
P. 716.655.8842
F. 716.655.0937
www.lvqa.com

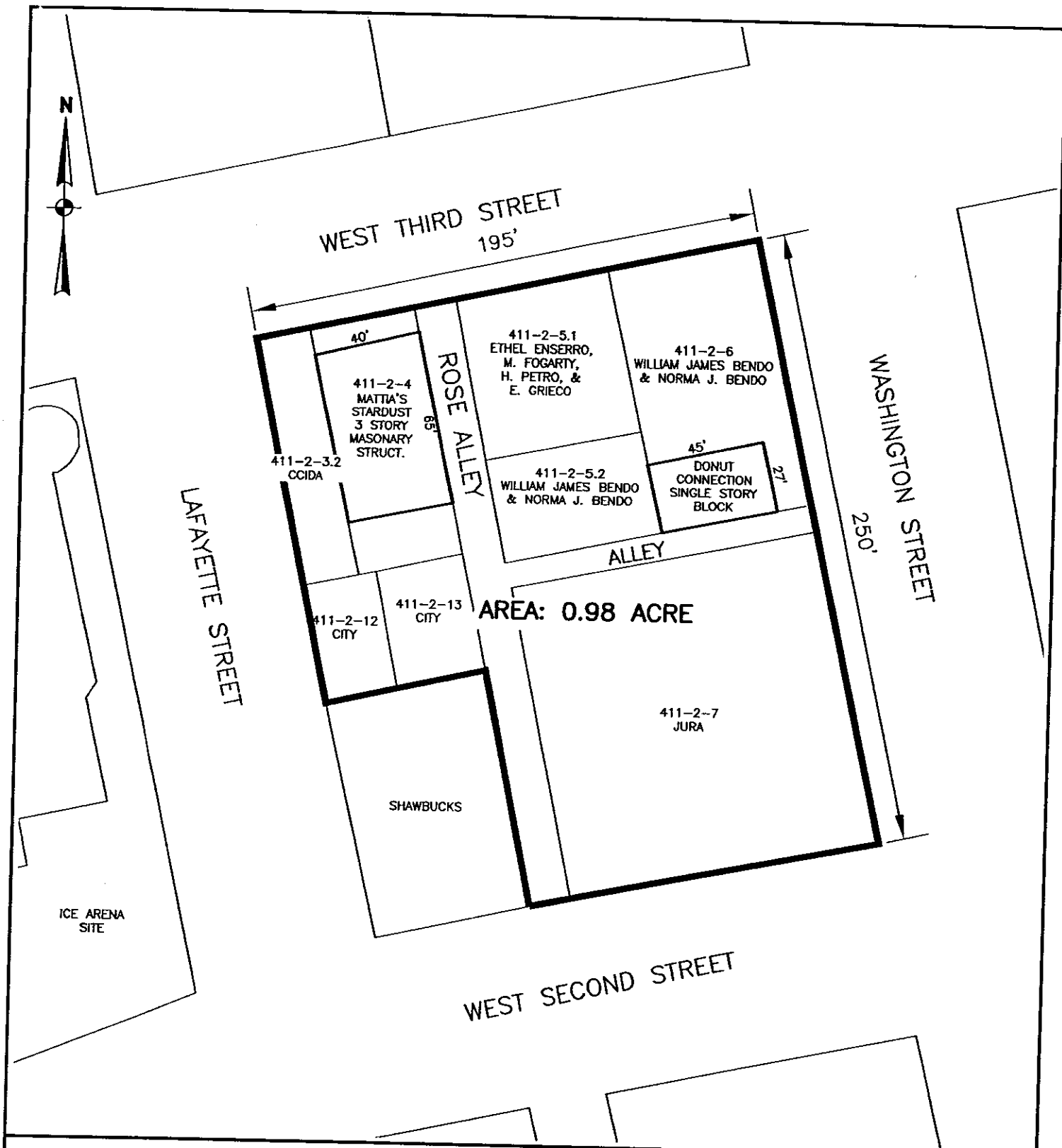
DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

PROJECT NO. 001109201

SCALE: 1" = 2000'

DATE: SEPTEMBER 2002

FIGURE NO. 1



SITE PLAN

TVGA
CONSULTANTS

1000 MAPLE ROAD, P.O. BOX H
ELMA, NEW YORK 14059-0264
P. 716.655.8842
F. 716.655.0937
www.tvga.com

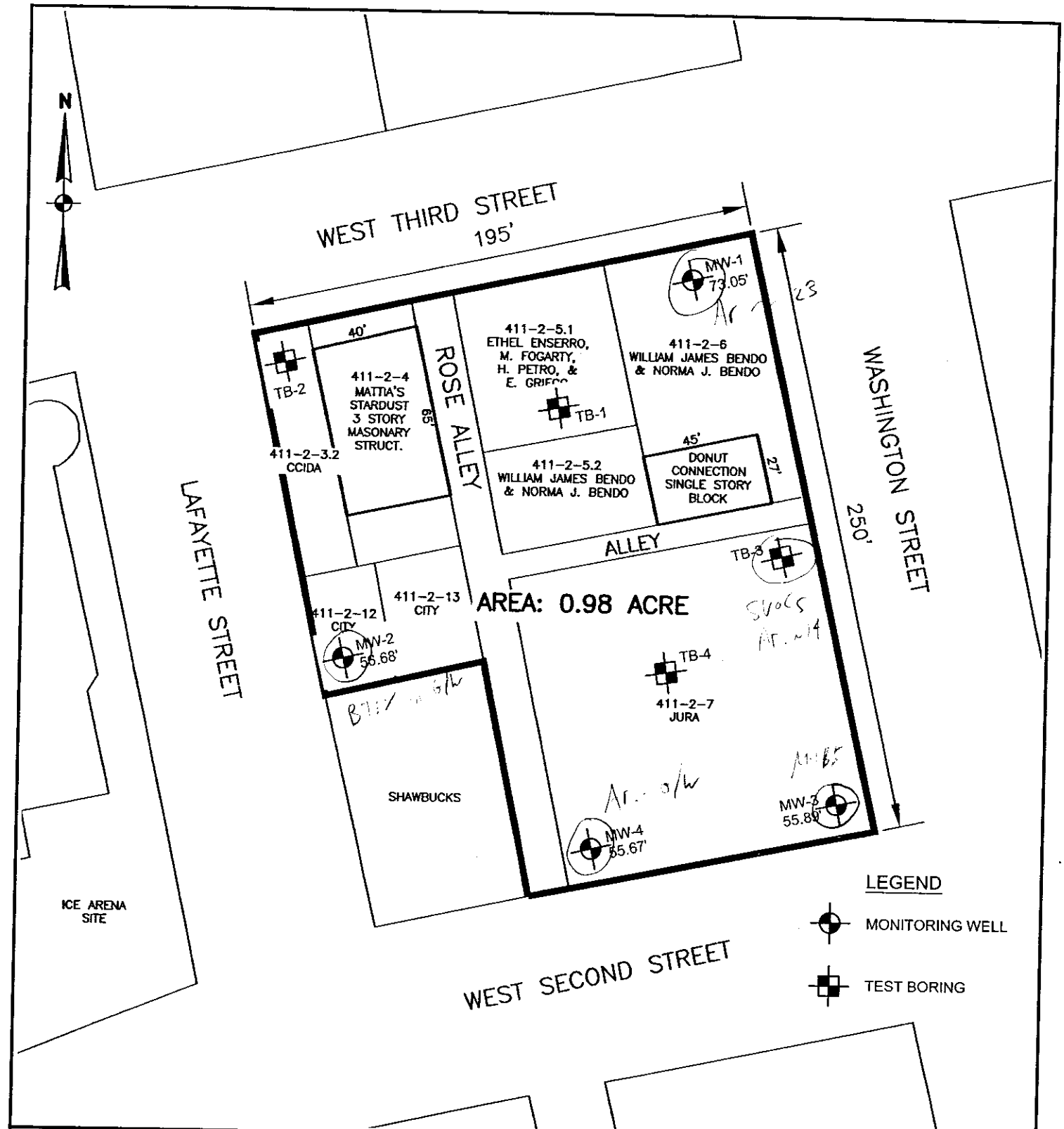
DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

PROJECT NO. 001109201



SCALE: 1" = 50'

DATE: SEPTEMBER 2002

FIGURE NO. 2



LEGEND

-  MONITORING WELL
-  TEST BORING

TEST BORING/WELL LOCATION MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD, P.O. BOX H
ELMA, NEW YORK 14059-0264
P. 716.655.8842
F. 716.655.0937
www.tvga.com

DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

PROJECT NO. 001109201

SCALE: 1" = 50'

DATE: SEPTEMBER 2002

FIGURE NO. 3

TABLES

TABLE 1

WELL GAUGING DATA

| WELL NO. | TOP OF CASING ELEVATION (ft) | DEPTH TO WATER FROM TOP OF CASING (9/9/02) | CORRECTED GROUNDWATER ELEVATION |
|----------|---------------------------------|---|---------------------------------|
| MW-1 | 100 | 26.97 | 73.03 |
| MW-2 | 97.51 | 40.65 | 56.86 |
| MW-3 | 95.14 | 39.25 | 55.89 |
| MW-4 | 93.97 | 38.3 | 55.67 |

NOTES: Casing elevations are surveyed using a reference elevation of 100'

Corrected GW Elevation = Top of Casing Elevation - Depth to Groundwater

TABLE 2
ORGANIC PARAMETERS
 SUBSURFACE SOIL ANALYSIS SUMMARY-VOCs/SVOCs
 (DETECTED COMPOUNDS ONLY)

| COMPOUND | CONCENTRATION (ppb) | | | | | | | | NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES* (ppb) |
|---|---|-----------------------|-----------------------|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| | TB-1 S-5 (8-10') | TB-2 S-5 (8-10) | TB-3 S-3 (4-6') | TB-4 S-4 (6-8') | MW-1 S-21 (40-42') | MW-2 S-24 (46-48') | MW-3 S-22 (42-44') | MW-4 S-23 (44-46') | |
| | DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) ONLY | | | | | | | | |
| BIS (2-ETHYLHEXL) PHTHALATE | | | | | | | 705 | | 50,000 |
| ACENAPHTHENE | | | 1,850 | | | | | | 50,000 |
| ANTHRACENE | | | 3,730 | | | | | | 50,000 |
| BENZO (A) ANTHRACENE | | | 4,760 | | | | | | 50,000 |
| BENZO (A) PYRENE | | | 3,470 | | | | | | 224 or MDI |
| BENZO (B) FLUORANTHENE | | | 4,040 | | | | | | 1,100 |
| BENZO (G,H,L) PERYLENE | | | 1,990 | | | | | | 1,100 |
| CHRYSENE | | | 5,650 | | | | | | 50,000 |
| FLUORANTHENE | | | 11,400 | | | | | | 400 |
| NAPHTHALENE | | | 1,970 | | | | | | 50,000 |
| PHENANTHRENE | | | 14,200 | | | | | | 13,000 |
| PYRENE | | | 12,900 | | | | | | 50,000 |
| DETECTED VOLATILE ORGANIC COMPOUNDS (VOCs) ONLY | | | | | | | | | |
| NONE DETECTED | | | | | | | | | |
| | | | | | | | | | |

NOTES: 1 Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM) *Determination of Soil Cleanup Objectives and Cleanup Levels*(HWR-92-4046)
 SB=Site Background
 ND=Not Detected
 Shaded values exceed the regulatory guidance levels
 Average background lead levels in metropolitan areas or near highways

TABLE 3
INORGANIC PARAMETERS
SUBSURFACE SOIL ANALYSIS SUMMARY - TOTAL METALS

| COMPOUND | CONCENTRATION (ppm) | | | EASTERN USA BACKGROUND (ppm) | NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES* (ppm) |
|-----------------------------------|-----------------------|--------------------------|--------------------------|---------------------------------|---|
| | TB-3 S-3 (4-6') | MW-1 S-21 (20-22') | MW-4 S-23 (24-26') | | |
| ALL INORGANIC PARAMETERS REPORTED | | | | | |
| ARSENIC | 14.2 | 23.6 | 8.88 | 3-12 | 7.5 or SB |
| BARIUM | 145 | 22.6 | 47.6 | 15-600 | 300 or SB |
| CADMIUM | 1.17 | ND | ND | 0.1-1 | 1 or SB |
| CHROMIUM | 18.8 | 6.4 | 7.24 | 1.5-40 | 10 or SB |
| LEAD | 12.5 | 7.19 | 8.01 | 200-500 | SB |
| MERCURY | ND | ND | ND | 0.001-0.2 | 0.1 |
| SELENIUM | ND | ND | 0.837 | 0.1-3.9 | 2 or SB |
| SILVER | ND | ND | ND | NA | SB |

NOTES: 1 Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM) *Determination of Soil Cleanup Objectives and Cleanup Levels* (HWR-92-4046)
SB=Site Background
ND=Not Detected
Shaded values exceed the regulatory guidance levels
Average background lead levels in metropolitan areas or near highways

TABLE 4
ORGANIC PARAMETERS
GROUNDWATER ANALYSIS SUMMARY-VOCs/SVOCs
(DETECTED COMPOUNDS ONLY)

| COMPOUND | CONCENTRATION (PPB) | | | | NYS AMBIENT WATER QUALITY STANDARDS* (ppb) |
|---|---------------------|------|------|------|---|
| | MW-1 | MW-2 | MW-3 | MW-4 | |
| DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) ONLY | | | | | |
| NONE | | | | | |
| DETECTED VOLATILE ORGANIC COMPOUNDS (VOCs) ONLY | | | | | |
| BENZENE | | 181 | | | 1 |
| ETHYLBENZENE | | 351 | | | 5 |
| TOLUENE | | 92.5 | | | 5 |
| 1,2,4-TRIMETHYLBENZENE | | | | | 5 |
| M,P-XYLENE | | 474 | | | 10 |
| O-XYLENE | | 203 | | | 5 |
| METHYL TERT-BUTYL ETHER | | | 18.2 | | 10 |

NOTES: 1 Source is NEW York State Ambient Water Quality Standards and Guidance
Values (June 1998)
New York State Guidance Value used where no Groundwater Standard is available
NA = Not Available
ND = Not Detected
Shaded values exceed the regulatory guidance levels

TABLE 5
INORGANIC PARAMETERS
GROUNDWATER ANALYSIS SUMMARY - TOTAL METALS

| COMPOUND | CONCENTRATION (ppb) | NYS AMBIENT WATER QUALITY STANDARDS* (ppb) |
|-----------------------------------|--------------------------|---|
| | MW-4 S-23 (24-26') | |
| ALL INORGANIC PARAMETERS REPORTED | | |
| ARSENIC | 29 | 25 |
| BARIUM | 286 | 1000 |
| CADMIUM | ND | 10 |
| CHROMIUM | 37 | 50 |
| LEAD | 18 | 25 |
| MERCURY | ND | 0.07 |
| SELENIUM | ND | 10 |
| SILVER | ND | 50 |

NOTES: 1 Source is NEW York State Ambient Water Quality Standards and Guidance Values (June 1998)
New York State Guidance Value used where no Groundwater Standard is available
NA = Not Available
ND = Not Detected
Shaded values exceed the regulatory guidance levels

APPENDIX A
MONITORING WELL/TEST BORING LOGS

TEST BORING LOG

HOLE NO. TB-1

Project: West End Development Site
 Client: City of Jamestown Department of Public Works
 Contractor: SJB Services

Project No. 1109201
 GS Elev
 WS Ref Elev
 N-S Coord
 E-W Coord
 Start Date 8/14/2002
 Finish Date 8/14/2002
 Driller M. Matthies
 Geologist D. McCoy

| Groundwater Data (feet) | | | | Equipment Data | | |
|-------------------------|------|-------|------|----------------|---------|-------|
| Date | Time | Depth | Elev | Casing | Sampler | Core |
| | | | | Type | HSA | SS |
| | | | | Diameter | 4.25" | 2.0" |
| | | | | Weight | | 140 # |
| | | | | Fall | | 30" |

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|---------------|----------------|-----|---------|---|------------------------------|------------|
| | | | | | | | | Direct Screen | Head Space |
| | | S1 | 8 10 3 4 | 8 | | Fill | 2" of Asphalt Fill material, brown poorly graded gravel with sand and silt, coal fragments, loose, damp. | 0 | 0 |
| | | S2 | 7 19 19 22 | 3 | | Fill | Fill material, brown, poorly graded gravel with sand and silt, loose, damp | 0 | 0 |
| | 5 | S3 | 4 7 10 11 | 3 | | Fill | As above. | 0 | 0 |
| | | S4 | 3 4 8 6 | 6 | | Fill | As above. | 0 | 0 |
| Collected Sample | 10 | S5 | 2 5 6 7 | 6 | | Fill | As above. | 1 | 0 |
| | | | | | | | End of Boring at 10.0 feet below ground surface. | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |

TEST BORING LOG

HOLE NO. TB-3

Project: West End Development Site
 Client: City of Jamestown Department of Public Works
 Contractor: SJB Services

Project No. 1109201
 GS Elev
 WS Ref Elev
 N-S Coord
 E-W Coord
 Start Date 8/19/2002
 Finish Date 8/19/2002
 Driller M. Matthies
 Geologist D. McCoy

| Groundwater Data (feet) | | | | Equipment Data | | | |
|-------------------------|------|-------|------|----------------|--------|---------|------|
| Date | Time | Depth | Elev | | Casing | Sampler | Core |
| | | | | Type | HSA | SS | |
| | | | | Diameter | 4.25" | 2.0" | |
| | | | | Weight | | 140 # | |
| | | | | Fall | | 30" | |


| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|----------------|----------------|-----|---------|---|------------------------------|------------|
| | | | | | | | | Direct Screen | Head Space |
| Collected Sample | 5 | S1 | 12 12 25 26 | 6 | | Fill | 1-1/2" of Asphalt Fill material, brown poorly graded gravel with sand and silt, coal fragments, loose, damp. | 0 | 0 |
| | | S2 | 12 25 31 18 | 12 | | SM | Brown silt with sand, medium compact, damp | 0 | 1 |
| | | S3 | 23 13 12 14 | 16 | | SM | Ash, coal and brick fragments over brown silt, medium compact, damp, solvent odor | 3 | 2 |
| | | S4 | 12 15 17 10 | 12 | | SM | Brown silt with sand, medium compact, damp | 1 | 2 |
| | | S5 | 8 18 14 19 | 12 | | SM | As above. | 0 | 0 |
| | 10 | | | | | | End of Boring at 10.0 feet below ground surface. | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |



Project: West End Development Site
Client: City of Jamestown Department of Public Works
Contractor: SJB Services

Project No. 1109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 8/19/2002
Finish Date 8/19/2002
Driller M. Matthies
Geologist D. McCoy

| Groundwater Data (feet) | | | | Equipment Data | | | |
|-------------------------|------|-------|------|----------------|--------|---------|------|
| Date | Time | Depth | Elev | | Casing | Sampler | Core |
| | | | | Type | HSA | SS | |
| | | | | Diameter | 4.25" | 2.0" | |
| | | | | Weight | | 140 # | |
| | | | | Fall | | 30" | |

| Well Construction | | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|---|----|---|------------|----------------|----------------|--|---------|---|------------------------------|------------|
| | | | | | | | | | Direct Screen | Head Space |
| | | 5 | S1 | 6 14 17 | 8 |  | Fill | 1-1/2" of Asphalt Fill material, brown poorly graded gravel with sand and silt, brick and coal fragments, loose, damp. | 0 | 0 |
| | | | S2 | 17 50/4 | 6 | | GM | As above. | 0 | 0 |
| | | | S3 | 25 12 14 15 | 11 | | GM | Brown gravel, sand, silt and clay, loose, damp | 0 | 0 |
| Collected Composite Sample of S-4 & S-5 | | | S4 | 13 15 28 12 | 6 | | GM | As above. | 0 | 0 |
| | 10 | | S5 | 10 9 14 13 | 6 | | GM | As above. | 0 | 2 |
| | | | | | | | | | | |
| | | 15 < | | | | | | | | |

| TVGA CONSULTANTS | | | | | | | | | | TEST BORING LOG | | | | HOLE NO. MW-1 | |
|--|--------------|---|----------------|----------------|----------------|---------|---|------------------------------|------------|--|--|--|--|---------------|--|
| Project: West End Development Site Client: City of Jamestown Department of Public Works Contractor: SJB Services | | | | | | | | | | Project No. 1109201 TOC Elev 100.00' WS Ref Elev N-S Coord E-W Coord Start Date 8/12/2002 Finish Date 8/13/2002 Driller M. Matthies Geologist D. McCoy | | | | | |
| Groundwater Data (feet) | | | | | Equipment Data | | | | | | | | | | |
| Date | Time | Depth | Elev | | Casing | Sampler | Core | | | | | | | | |
| 9/9/2002 | 7:00 | 25.97' | 73.03' | | Type HSA | SS | | | | | | | | | |
| | | | | | Diameter 4.25" | 2.0" | | | | | | | | | |
| | | | | | Weight 140 # | | | | | | | | | | |
| | | | | | Fall 30" | | | | | | | | | | |
| Well Construction | Depth (feet) | Sample No. | Blows per ft | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | | | | | | | |
| | | | | | | | | Direct Screen | Head Space | | | | | | |
| | | S1 | 25 10 6 5 | 3 | | Fill | Fill material, brown gravel, sand and silt, asphalt fragments, loose, dry | 0 | 0 | | | | | | |
| | | S2 | 6 3 3 4 | 6 | | Fill | As above | 0 | 0 | | | | | | |
| | 5 | S3 | 13 30 50/4 | 1 | | Fill | As above, loose, wet | 0 | 0 | | | | | | |
| | | S4 | 50/1 | 2 | | Fill | Brown gravel and sand, wood fragments, loose, wet | 0 | 0 | | | | | | |
| | 10 | S5 | 4 6 7 18 | 14 | | GC-GM | Brown gravel and sand over dark grey/black silt, medium compact, moist. Sharp contact | 0 | 0 | | | | | | |
| | | S6 | 24 26 23 31 | 14 | | GC-GM | Grey poorly graded clayey gravel with sand and silt, moist | 0 | 0 | | | | | | |
| | 15 | S7 | 25 20 21 49 | 12 | | GC-GM | As above. | 0 | 0 | | | | | | |
| | | S8 | 10 7 5 4 | 12 | | GC-GM | As above. | 0 | 0 | | | | | | |
| | | S9 | 6 5 12 14 | 16 | | GC-GM | As above, wet | 0 | 0 | | | | | | |
| | 20 | S10 | 6 4 12 10 | 12 | | GC-GM | As above, saturated | 0 | 0 | | | | | | |
| | | S11 | 6 4 12 10 | 16 | | GC-GM | As above. | 0 | 0 | | | | | | |
| | | S12 | 27 20 14 12 | 8 | | GC-GM | As above | 0 | 0 | | | | | | |
| | 25 | S13 | 9 36 50/4 | 8 | | GC-GM | As above | 0 | 0 | | | | | | |
| | | S14 | 50/3 | 2 | | GC-GM | As above | 0 | 0 | | | | | | |
| | 30 | S15 | 15 14 14 17 | 2 | | GC-GM | As above | 0 | 0 | | | | | | |
| | | S16 | 27 36 35 20 | 23 | | CL-ML | Grey silty clay, compact, moist | 0 | 0 | | | | | | |
| | | S17 | 16 13 8 21 | 4 | | GC-GM | Grey poorly graded clayey gravel with sand and silt, moist | 0 | 0 | | | | | | |
| | 35 | S18 | 20 11 14 15 | 1 | | GC-GM | As above | 0 | 0 | | | | | | |
| | | S19 | 12 13 20 18 | 16 | | CL-ML | Grey silty clay, compact, moist | 0 | 0 | | | | | | |
| | 40 | S20 | 11 9 17 15 | 16 | | CL-ML | As above | 0 | 0 | | | | | | |
| | | S21 | 8 7 10 12 | 22 | | SW-SC | Grey clayey sand with silt, loose, wet. Collected sample from this interval | 0 | 0 | | | | | | |
| | | S22 | 20 34 20 17 | 16 | | SW-SC | As above | 0 | 0 | | | | | | |
| | 45 | S23 | 7 9 9 16 | 18 | | SW-SC | As above | 0 | 0 | | | | | | |
| | | S24 | 16 15 13 14 | 18 | | SW-SC | As above | 0 | 0 | | | | | | |
| | 50 | S25 | 4 11 16 15 | 20 | | SW-SC | As above over grey silty clay, medium compact, wet | 0 | 0 | | | | | | |
| | | End of boring at 52.0 bgs | | | | | | | | | | | | | |
| | 55 | Monitoring well consists of 10' of 2.0" No. 10 slotted screen from 40.8-50.8' bgs. Sand pack is from 38.8-51.1' and bentonite seal is from 36.0-38.8' bgs. Ground surface to 36.0' bgs is cement grout. Well was finished with a flush mount Buffalo Well Products "NO FILL" box. | | | | | | | | | | | | | |

TEST BORING LOG
HOLE NO. MW-2

 Project: West End Development Site
 Client: City of Jamestown Department of Public Works
 Contractor: SUB Services

 Project No. 1109201
 TOC Elev 97.51'
 WS Ref Elev
 N-S Coord
 E-W Coord
 Start Date 8/14/2002
 Finish Date 8/14/2002
 Driller M. Matthies
 Geologist D. McCoy

Groundwater Data (feet)

| Date | Time | Depth | Elev |
|----------|------|--------|--------|
| 9/9/2002 | 7:15 | 40.65' | 56.86' |

Equipment Data

| | Casing | Sampler | Core |
|----------|--------|---------|------|
| Type | HSA | SS | |
| Diameter | 4.25" | 2.0" | |
| Weight | | 140 # | |
| Fail | | 30" | |

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|------------------------------|------------|
| | | | | | | | | Direct Screen | Head Space |
| | | S1 | 2 8 | 14 | | Fill | 2" of asphalt over brown sandy silt, trace of gravel, loose, moist | 0 | 0 |
| | | S2 | 7 6 | 6 | | Fill | Brown sandy silt, trace of gravel, loose, moist | 0 | 0 |
| | 5 | S3 | 4 4 | 12 | | Fill | As above | 0 | 0 |
| | | S4 | 5 7 | 4 | | Fill | Brown gravel and sand, wood fragments, loose, wet | 0 | 0 |
| | 10 | S5 | 11 16 | 4 | | Fill | Brown gravel, sand, silt and clay, brick fragments, medium compact, moist | 0 | 0 |
| | | S6 | 6 7 | 10 | | CL-ML | Brown silty clay with gravel and sand, compact, moist | 0 | 0 |
| | | S7 | 9 8 | 18 | | CL-ML | Grey/brown silty clay, medium compact, moist | 0 | 0 |
| | 15 | S8 | 10 12 | 14 | | CL-ML | As above | 0 | 0 |
| | | S9 | 14 18 | 22 | | CL-ML | Grey silty clay, medium, compact, moist | 0 | 0 |
| | 20 | S10 | 3 8 | 10 | | CL-ML | As above | 0 | 0 |
| | | S11 | 7 9 | 13 | | CL-ML | As above | 0 | 0 |
| | | S12 | 9 8 | 16 | | CL-ML | As above | 0 | 0 |
| | 25 | S13 | 5 10 | 18 | | CL-ML | As above | 0 | 0 |
| | | S14 | 10 15 | 20 | | CL-ML | As above | 0 | 0 |
| | 30 | S15 | 4 7 | 18 | | CL-ML | As above | 0 | 0 |
| | | S16 | 18 22 | 18 | | CL-ML | Grey silty clay grading to brown sandy silt, trace of fine gravel, compact, damp | 0 | 0 |
| | 35 | S17 | 37 40 | 12 | | GP | Brown poorly graded gravel with sand and silt, compact, damp | 0 | 0 |
| | | S18 | 18 50/4 | 6 | | GP | As above | 0 | 0 |
| | | S19 | 50/4 | 1 | | GP | As above | 0 | 0 |
| | 40 | S20 | 50/3 | 6 | | GP | As above | 0 | 0 |
| | | S21 | 50/4 | 4 | | GP | As above, wet | 0 | 0 |
| | 45 | S22 | 4 10 | 15 | | SW | Grey/brown silt over brown sand, trace of gravel, loose, wet | 0 | 0 |
| | | S23 | 7 7 | 18 | | SW | Brown sand, fine grained, well sorted, trace of gravel, loose, wet | 0 | 0 |
| | | S24 | 7 10 | 22 | | SW | As above Collected sample from this interval | 0 | 0 |
| | 50 | S25 | 3 8 | 14 | | SW | As above | 0 | 0 |
| | | S26 | 5 6 | 16 | | SW | As above | 0 | 0 |
| | | S27 | 25 50/4 | 20 | | SW | Brown sand over brown silt, compact, damp | 0 | 0 |
| | 55 | | | | | | End of boring at 54.0 bgs | | |
| | | | | | | | Monitoring well consists of 10' of 2.0" No. 10 slotted screen from 43.75-53.75' bgs. Sand pack is from 41.5-54.0' and bentonite seal is from 38.3-41.5' bgs. Ground surface to 38.3 bgs is cement grout. Well was finished with a flush mount Buffalo Well Products "NO FILL" box. | | |

| TVGA CONSULTANTS | | | | | | | | | | TEST BORING LOG | | | | HOLE NO. MW-3 | |
|--|--------------|------------|----------------|----------------|----------------|---------|--|------|------------------------------|---|--|--|--|---------------|--|
| Project: West End Development Site Client: City of Jamestown Department of Public Works Contractor: SJB Services | | | | | | | | | | Project No. 1109201 TOC Elev 95.14' WS Ref Elev N-S Coord E-W Coord Start Date 8/15/2002 Finish Date 8/15/2002 Driller M. Matthies Geologist D. McCoy | | | | | |
| Groundwater Data (feet) | | | | | Equipment Data | | | | | | | | | | |
| Date | Time | Depth | Elev | | Type | Casing | Sampler | Core | | | | | | | |
| 9/9/2002 | 7:30 | 39.25' | 55.89' | | HSA | SS | | | | | | | | | |
| | | | | | Diameter | 4.25" | 2.0" | | | | | | | | |
| | | | | | Weight | | 140 # | | | | | | | | |
| | | | | | Fall | | 30" | | | | | | | | |
| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | | Remarks PID Reading (ppm) | | | | | | |
| | | | | | | | | | Direct Screen | Head Space | | | | | |
| | | S1 | 30 20 21 25 | 8 | | Fill | 1-1/2" of asphalt over brown gravel, sand and silt, concrete fragments, loose, dry | | 0 | 0 | | | | | |
| | | S2 | 50/4 | 4 | | Fill | Brown gravel, sand and silt, Brick and concrete fragments, loose, dry | | 0 | 0 | | | | | |
| | 5 | S3 | 50/4 | 1 | | Fill | As above | | 0 | 0 | | | | | |
| | | S4 | 50/2 | 0 | | | No recovery | | | | | | | | |
| | 10 | S5 | 50/3 | 0 | | | No recovery | | | | | | | | |
| | | S6 | 33 34 50/3 | 5 | | GP | Brown poorly graded gravel with silt and sand, loose, damp | | 0 | 0 | | | | | |
| | | S7 | 45 50/3 | 4 | | GP | As above | | 0 | 0 | | | | | |
| | 15 | S8 | 34 13 15 12 | 4 | | GP | As above, damp | | 0 | 0 | | | | | |
| | | S9 | 50/4 | 1 | | GP | As above, wet | | 0 | 0 | | | | | |
| | 20 | S10 | 7 8 5 4 | 10 | | GP | As above | | 0 | 0 | | | | | |
| | | S11 | 4 6 8 7 | 14 | | GP | Brown sand, trace of gravel, loose, wet, over brown silty clay loose, moist | | 0 | 0 | | | | | |
| | | S12 | 6 10 16 18 | 18 | | CL-ML | Brown silty clay, medium compact, moist | | 0 | 0 | | | | | |
| | 25 | S13 | 22 23 18 24 | 12 | | GP | Brown poorly graded gravel with silt and sand, loose, damp | | 0 | 0 | | | | | |
| | | S14 | 28 28 35 44 | 4 | | GP | As above | | 0 | 0 | | | | | |
| | 30 | S15 | 44 23 10 16 | 10 | | CL-ML | Brown silty clay, medium compact, moist | | 0 | 0 | | | | | |
| | | S16 | 17 24 35 44 | 8 | | CL-ML | Brown silty clay, trace of fine gravel, compact, wet | | 0 | 0 | | | | | |
| | | S17 | 29 41 50/4 | 8 | | GP | Brown poorly graded gravel with silt and sand, loose, damp | | 0 | 0 | | | | | |
| | 35 | S18 | 50/4 | 0 | | | No recovery | | | | | | | | |
| | | S19 | 50/4 | 6 | | GP | As above | | 0 | 0 | | | | | |
| | 40 | S20 | 50/3 | 1 | | GP | As above | | 0 | 0 | | | | | |
| | | S21 | 6 22 35 20 | 8 | | GP | As above, wet | | 0 | 0 | | | | | |
| | | S22 | 50/4 | 10 | | GP | As above Collected sample from this interval | | 0 | 0 | | | | | |
| | 45 | S23 | 10 23 19 31 | 12 | | CL-ML | Brown poorly graded gravel with sand and silt over grey silty clay, sharp contact | | 0 | 0 | | | | | |
| | | | | | | | End of boring at 45.5 bgs | | | | | | | | |
| | 50 | | | | | | | | | | | | | | |
| | 55 | | | | | | | | | | | | | | |
| Monitoring well consists of 10' of 2.0" No. 10 slotted screen from 35.25-45.25' bgs. Sand pack is from 32.0-45.5' and bentonite seal is from 29.5-32.0' bgs. Ground surface to 29.5 bgs is cement grout. Well was finished with a flush mount Buffalo Well Products "NO FILL" box. | | | | | | | | | | | | | | | |

| TVGA CONSULTANTS | | | | | | | | | | TEST BORING LOG | | | HOLE NO. MW-4 | | |
|--|--------------|------------|----------------|----------------|----------------|---------|--|------------------------------|------------|--|--|--|---------------|--|--|
| Project: West End Development Site Client: City of Jamestown Department of Public Works Contractor: SJB Services | | | | | | | | | | Project No. 1109201 TOC Elev 93.97 WS Ref Elev 0 N-S Coord E-W Coord Start Date 8/16/2002 Finish Date 8/19/2002 Driller M. Matthies Geologist D. McCoy | | | | | |
| Groundwater Data (feet) | | | | | Equipment Data | | | | | | | | | | |
| Date | Time | Depth | Elev | | Casing | Sampler | Core | | | | | | | | |
| 9/9/2002 | 7:45 | 38.38' | 55.67' | | Type HSA | SS | | | | | | | | | |
| | | | | | Diameter 4.25" | 2.0" | | | | | | | | | |
| | | | | | Weight 140 # | | | | | | | | | | |
| | | | | | Fall 30" | | | | | | | | | | |
| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | | | | | | | |
| | | | | | | | | Direct Screen | Head Space | | | | | | |
| | | S1 | 4 5 10 10 | 8 | | Fill | 1-1/2" of asphalt over brown gravel and sand, loose, damp | 0 | 0 | | | | | | |
| | | S2 | 10 12 18 16 | 8 | | Fill | Brown gravel and sand, loose, damp | 0 | 0 | | | | | | |
| | 5 | S3 | 10 12 14 18 | 12 | | Fill | As above | 0 | 0 | | | | | | |
| | | S4 | 9 8 10 12 | 10 | | Fill | Brown gravel, sand and clay, loose, wet | 0 | 0 | | | | | | |
| | 10 | S5 | 14 13 18 12 | 8 | | Fill | As above | 0 | 0 | | | | | | |
| | | S6 | 8 6 9 8 | 4 | | Fill | As above | 0 | 0 | | | | | | |
| | | S7 | 13 10 9 19 | 12 | | Fill | As above over brown sand, trace of gravel, loose, damp | 0 | 0 | | | | | | |
| | 15 | S8 | 9 11 10 17 | 12 | | GP | Brown poorly graded gravel with sand and silt, compact, damp | 0 | 0 | | | | | | |
| | | S9 | 50/4 | <1 | | GP | Brown poorly graded gravel with silt and sand, loose, wet | 0 | 0 | | | | | | |
| | 20 | S10 | 45 50/4 | <1 | | GP | As above | 0 | 0 | | | | | | |
| | | S11 | 16 14 15 15 | 1 | | GP | As above | 0 | 0 | | | | | | |
| | | S12 | 38 50/4 | <1 | | GP | As above | 0 | 0 | | | | | | |
| | 25 | S13 | 33 32 25 32 | <1 | | GP | As above | 0 | 0 | | | | | | |
| | | S14 | 16 28 35 10 | 14 | | GP | As above | 0 | 0 | | | | | | |
| | 30 | S15 | 32 36 23 28 | 16 | | GP | As above | 0 | 0 | | | | | | |
| | | S16 | 17 12 16 28 | 18 | | GP | Brown gravel and sand over brown silty clay, compact, damp | 0 | 0 | | | | | | |
| | | S17 | 27 26 50/0 | 20 | | CL-ML | Brown silty clay, compact, damp | 0 | 0 | | | | | | |
| | 35 | S18 | 11 17 15 16 | 18 | | SW | Brown sand, fine grained, well sorted, 4" lense of gravel, compact, damp | 0 | 0 | | | | | | |
| | | S19 | 15 50/4 | 17 | | SW | Brown sand, trace of gravel, compact, wet | 0 | 0 | | | | | | |
| | 40 | S20 | 15 19 27 23 | 18 | | SW | Brown sand over clayey silt, trace of gravel, compact, wet | 0 | 0 | | | | | | |
| | | S21 | 18 38 43 48 | 12 | | CL-ML | Brown silty clay, trace of fine gravel and sand, compact, wet | 0 | 0 | | | | | | |
| | | S22 | 44 48 50/2 | 16 | | CL-ML | Brown silty clay over grey silty clay, trace of fine gravel and sand, compact, wet | 0 | 0 | | | | | | |
| | 45 | S23 | 7 22 20 30 | 18 | | CL-ML | Grey clayey silt, trace of gravel and sand, compact, damp. Collected sample from this interval | 0 | 0 | | | | | | |
| | | S24 | 26 48 50/4 | 18 | | CL-ML | As above | 0 | 0 | | | | | | |
| | 50 | S25 | 12 24 30 19 | 18 | | CL-ML | As above | 0 | 0 | | | | | | |
| | | | 50/0 | | | | Refusal at 50.0 | | | | | | | | |
| | 55 | | | | | | Monitoring well consists of 20' of 2.0" No. 10 slotted screen from 29.75-49.75' bgs. Sand pack is from 27.0-29.75' and bentonite seal is from 25.0-27.0' bgs. Ground surface to 27.0' bgs is cement grout. Well was finished with a flush mount Buffalo Well Products "NO FILL" box. | | | | | | | | |

APPENDIX B

WELL INSTALLATION FIELD REPORTS



MONITORING WELL INSTALLATION REPORT

PROJECT WEST END

FILE NO. 001109201

CONTRACTOR SJB

DATE OF INSTALLATION 8/13/02

LOCATION JAMESTOWN, NY

GEOLOGIST D.M. Zay

DRILLER M. MATILIES

WELL NO. MW-1

BORING NO. MW-1

SHEET 1 OF 1

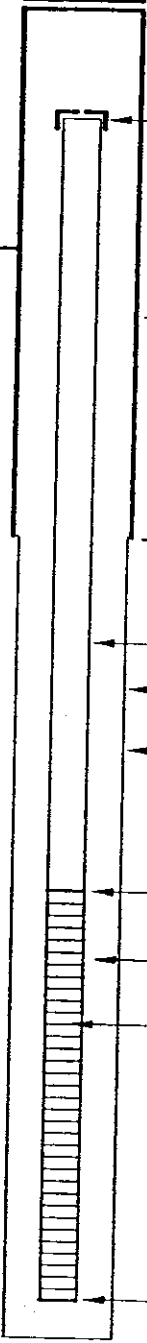
LOCK NO. 3232

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC
SUMMARY

BACKFILL
SUMMARY

| | | |
|--|---|-------------------------|
|  | ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING | <u>AT GRADE</u> |
| | ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE | <u>100.00'</u> |
| | THICKNESS OF SURFACE SEAL | <u>4"</u> |
| | TYPE OF SURFACE SEAL | <u>CONCRETE</u> |
| | TYPE OF PROTECTIVE CASING | <u>BUFFALO ROAD Box</u> |
| | INSIDE DIAMETER OF PROTECTIVE CASING | <u>8"</u> |
| | ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING | <u>1'-0</u> |
| | INSIDE DIAMETER OF RISER PIPE | <u>2"</u> |
| | TYPE OF BACKFILL AROUND RISER | <u>GROUT</u> |
| | DIAMETER OF BORE HOLE WITHIN TEST SECTION | <u>8"</u> |
| | TYPE OF COUPLING | <u>THREAD/0" RING</u> |
| | ELEVATION/DEPTH OF TOP OF SCREEN | <u>40.8'</u> |
| | TYPE OF WELL SCREEN | <u>10-SLOT PK</u> |
| | SCREEN SLOT SIZE | <u>10-SLOT</u> |
| DIAMETER OF WELL SCREEN | <u>2"</u> | |
| TYPE OF BACKFILL AROUND WELL SCREEN | <u>0" QTZ SAND</u> | |
| ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN | <u>50.8'</u> | |
| ELEVATION/DEPTH OF BOTTOM OF BOREHOLE | <u>52.0</u> | |

(FIGURES REFER TO ELEVATION _____ DEPTH ☒)



MONITORING WELL INSTALLATION REPORT

PROJECT WEST END

FILE NO. 0011091201

CONTRACTOR SJB

DATE OF INSTALLATION 8/14/02

LOCATION JAMESTOWN, NY

GEOLOGIST D. MCCOY

DRILLER M. MATTHEWS

WELL NO. MW-2

BORING NO. MW-2

SHEET 1 OF 1

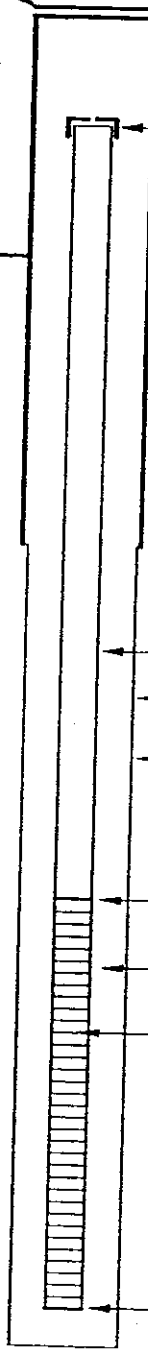
LOCK NO. 3232

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC
SUMMARY

BACKFILL
SUMMARY

| | | |
|--|--|-----------------------------|
|  | ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING | <u>AT GRADE</u> |
| | ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE | <u>97.51'</u> |
| | THICKNESS OF SURFACE SEAL | <u>4"</u> |
| | TYPE OF SURFACE SEAL | <u>CONCRETE</u> |
| | TYPE OF PROTECTIVE CASING | <u>BUFFALO ROAD BOX</u> |
| | INSIDE DIAMETER OF PROTECTIVE CASING | <u>8"</u> |
| | ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING | <u>1'-0"</u> |
| | INSIDE DIAMETER OF RISER PIPE | <u>2"</u> |
| | TYPE OF BACKFILL AROUND RISER | <u>GRAT</u> |
| | DIAMETER OF BORE HOLE WITHIN TEST SECTION | <u>8"</u> |
| | TYPE OF COUPLING | <u>THREAD/O-RING</u> |
| | ELEVATION/DEPTH OF TOP OF SCREEN | <u>43.75'</u> |
| | TYPE OF WELL SCREEN | <u>PVC</u> |
| | SCREEN SLOT SIZE | <u>10 SLOT</u> |
| DIAMETER OF WELL SCREEN | <u>2"</u> | |
| TYPE OF BACKFILL AROUND WELL SCREEN | <u>0" GRAZ SAND</u> | |
| ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN | <u>53.75'</u> | |
| ELEVATION/DEPTH OF BOTTOM OF BOREHOLE | <u>54.0'</u> | |

(FIGURES REFER TO ELEVATION _____ DEPTH ☒)



MONITORING WELL INSTALLATION REPORT

PROJECT WEST END

FILE NO. CD1109201

CONTRACTOR SIB

DATE OF INSTALLATION 8/15/02

LOCATION JAMESTOWN, NY

GEOLOGIST D. McLo

DRILLER M. MATTHEWS

WELL NO. MW-3

BORING NO. MW-3

SHEET 1 OF 1

LOCK NO. 3232

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC
SUMMARY

BACKFILL
SUMMARY

ELEVATION/STICK UP ABOVE/BELOW
GROUND SURFACE OF CASING

AT GRADE

ELEVATION/STICK UP ABOVE/BELOW
GROUND SURFACE OF RISER PIPE

95.14'

THICKNESS OF SURFACE SEAL

4"

TYPE OF SURFACE SEAL

CONCRETE

TYPE OF PROTECTIVE CASING

BUFFALO
ROAD BOX

INSIDE DIAMETER OF PROTECTIVE
CASING

8"

ELEVATION/DEPTH OF BOTTOM OF
PROTECTIVE CASING

1'-0

INSIDE DIAMETER OF RISER PIPE

2"

TYPE OF BACKFILL AROUND RISER

GROUT

DIAMETER OF BORE HOLE WITHIN
TEST SECTION

8"

TYPE OF COUPLING

THREAD / O" RING

ELEVATION/DEPTH OF TOP OF
SCREEN

35.25'

TYPE OF WELL SCREEN

PVC

SCREEN SLOT SIZE

10 SLOT

DIAMETER OF WELL SCREEN

2"

TYPE OF BACKFILL AROUND WELL
SCREEN

0" G2 SAND

ELEVATION/DEPTH OF BOTTOM OF
WELL SCREEN

45.25'

ELEVATION/DEPTH OF BOTTOM OF
BOREHOLE

45.5'

(FIGURES REFER TO ELEVATION _____ DEPTH ☒)



MONITORING WELL INSTALLATION REPORT

PROJECT WEST END

FILE NO. 001109201

CONTRACTOR SJB

DATE OF INSTALLATION 8/19/02

LOCATION JAMESTOWN, NY

GEOLOGIST D. McCoy

DRILLER M. MATTHEWS

WELL NO. MW-4

BORING NO. MW-4

SHEET 1 OF 1

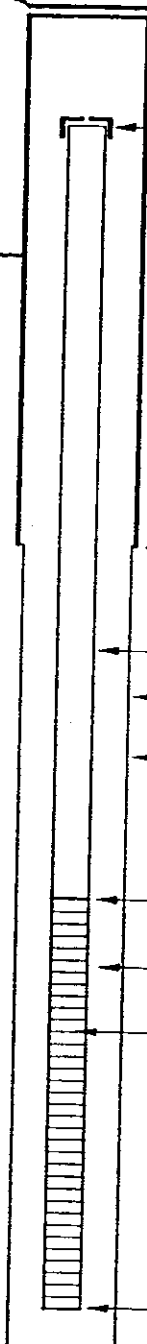
LOCK NO. 3232

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC
SUMMARY

BACKFILL
SUMMARY



ELEVATION/STICK UP ABOVE/BELOW
GROUND SURFACE OF CASING

AT GRADE

ELEVATION/STICK UP ABOVE/BELOW
GROUND SURFACE OF RISER PIPE

93.97

THICKNESS OF SURFACE SEAL

4"

TYPE OF SURFACE SEAL

CONCRETE

TYPE OF PROTECTIVE CASING

BUFFALO
ROAD BOX

INSIDE DIAMETER OF PROTECTIVE
CASING

8"

ELEVATION/DEPTH OF BOTTOM OF
PROTECTIVE CASING

1'-0

INSIDE DIAMETER OF RISER PIPE

2"

TYPE OF BACKFILL AROUND RISER

GRAV

DIAMETER OF BORE HOLE WITHIN
TEST SECTION

8'

TYPE OF COUPLING

THREADED-RING

ELEVATION/DEPTH OF TOP OF
SCREEN

29.75'

TYPE OF WELL SCREEN

R/C

SCREEN SLOT SIZE

10-SLOT

DIAMETER OF WELL SCREEN

2"

TYPE OF BACKFILL AROUND WELL
SCREEN

0" GRZ SAND

ELEVATION/DEPTH OF BOTTOM OF
WELL SCREEN

49.75

ELEVATION/DEPTH OF BOTTOM OF
BOREHOLE

50.0

(FIGURES REFER TO ELEVATION _____ DEPTH ✓)

APPENDIX C

WELL DEVELOPMENT/SAMPLING LOGS

| | | | | | | | | | |
|---|--|--|--|--|--------------------------------|--|--|--|--|
| TVGA Engineering, Surveying, P.C. Well Development Log | | | | | MW Designation: <u>MW-1</u> | | | | |
| Project Name: <u>WEST END</u> | | | | | Project No: _____ | | | | |
| Project Location: <u>VAMESTOWN, NY</u> | | | | | Date: <u>8/22/02</u> | | | | |
| | | | | | Screen Length: <u>10'</u> | | | | |

Purge Information:

(1) Depth to Bottom of Well: 50.20
(from TOC)

(2) Depth to Water: 27.2 ft
(from TOC)

(3) Column of Water: 22.99
(#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: - 163 gal/ft

(6) 1 Vol. of Well: 3.74 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: DISPOSABLE BAILER

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

| | | | | | | | | |
|------------------|--------|-------------|------|------|------|------|------|--|
| Vol Purged (gal) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Time | 7:00 | 7:20 | 7:40 | 8:00 | 8:20 | 8:40 | 9:00 | |
| ORP/EH (MV) | | | | | | | | |
| pH | | | | | | | | |
| Cond. (MS/CM) | | | | | | | | |
| Turb. (NTU) | TURBID | Very TURBID | | | | | | |
| D.O. (mg/l) | | | | | | | | |
| Salinity (%) | | | | | | | | |
| Temp. (°C) | | | | | | | | |

Total Volume Purged: 30 gal gal Total Purge Time: 2:00

Development Info:

Development Method: BAILER

Comments: ALWAYS HAVE A FULL BAILER, GOOD RECOVERY, Very TURBID
SHOWS NO SIGNS OF CLEARING

Logged By: D. McLaughlin

| | | | | | | | | |
|---|--|--|--|--|--------------------------------|--|--|--|
| TVGA Engineering, Surveying, P.C. Well Development Log | | | | | MW Designation: <u>MW-2</u> | | | |
| Project Name: <u>WEST LIND</u> | | | | | Project No: <u>CO1109201</u> | | | |
| Project Location: <u>JAMESTOWN, NY</u> | | | | | Date: <u>8/22</u> | | | |
| | | | | | Screen Length: <u>10'</u> | | | |

Purge Information:

(1) Depth to Bottom of Well: 53.31
(from TOC)

(2) Depth to Water: 40.42 ft
(from TOC)

(3) Column of Water: 12.89
(#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 2.10 gal/ft

(6) 1 Vol. of Well: 2.10 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion: 40.5 53.0

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

| | | | | | | | | |
|------------------|---------|------|-------|-------|-------|-------|-------|-------|
| Field Analysis: | 9:15 AM | 9:45 | 10:05 | 10:25 | 10:45 | 11:15 | 11:40 | 12:00 |
| Vol Purged (gal) | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Time | | | | | | | | |
| ORP/EH (MV) | | | | | | | | |
| pH | | | | | | | | |
| Cond. (MS/CM) | | | | | | | | |
| Turb. (NTU) | TURBID | | | | | | | |
| D.O. (mg/l) | | | | | | | | |
| Salinity (%) | | | | | | | | |
| Temp. (°C) | | | | | | | | |

Total Volume Purged: 220 gal Total Purge Time: 3:45

Development Info:

Development Method: DISPERSEABLE BAILER

Comments: UNABLE TO BAIL DRY, USUALLY A FULL BAILER
GOOD RECHARGE TURBID, NO SIGN OF CLEANING.
SMELL OF GASOLINE IN H₂O

Logged By:

| | | | |
|---|--|------------------------------------|--|
| TVGA Engineering, Surveying, P.C. Well Development Log | | MW Designation: <u>MW-3</u> | |
| Project Name: <u>WEST END</u> | | Project No: <u>001292d</u> | |
| Project Location: <u>JAMESTOWN, NY</u> | | Date: <u>8/22/00</u> | |
| | | Screen Length: <u>10'</u> | |

Purge Information:

| | |
|---|--|
| (1) Depth to Bottom of Well: <u>45.4'</u> (from TOC) | (2) Depth to Water: <u>39.9</u> ft (from TOC) |
| (3) Column of Water: <u>5.5'</u> (#1 - #2) | (4) Casing Diameter: <u>2"</u> in |
| (5) Volume Conversion: <u>0.163</u> gal/ft | (6) 1 Vol. of Well: <u>0.89 gal</u> gal |

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

| | | | | | | | | |
|------------------|-------|--------|-------|------|------|------|------|------|
| Vol Purged (gal) | 1 1/2 | 1 | 1 | 1 | 1 | 1 | 5 | 1 |
| Time | 12:00 | 12:20 | 12:40 | 1:10 | 1:25 | 1:40 | 2:10 | 2:20 |
| ORP/EH (MV) | | | | | | | | |
| pH | | | | | | | | |
| Cond. (MS/CM) | | | | | | | | |
| Turb. (NTU) | CLEAR | TURBID | CLEAR | 100 | | | | |
| D.O. (mg/l) | | | | | | | | |
| Salinity (%) | | | | | | | | |
| Temp. (°C) | | | | | | | | |

Total Volume Purged: _____ gal **Total Purge Time:** _____

Development Info:

Development Method: Dedicated Bailer

Comments: UNABLE TO BAIL WELL COMPLETELY DRY. STAGE
1/4 - 1/2 BAILER WELL REQUIRES 10-15 MIN TO RECHARGE AND
VOLUME. STARTED CLEAR, THEN TURBID, THEN CLEARING
WITH EACH VOLUME.

Logged By: D. McLean

| | | | | | | | | | |
|---|--|--|--|--|------------------------------|--|--|--|--|
| TVGA Engineering, Surveying, P.C. Well Development Log | | | | | MW Designation: <u>MW-4</u> | | | | |
| Project Name: <u>WEST LIND</u> | | | | | Project No: <u>601109201</u> | | | | |
| Project Location: <u>JAMESTOWN</u> | | | | | Date: <u>8/22/08</u> | | | | |
| | | | | | Screen Length: <u>20'</u> | | | | |

Purge Information:

(1) Depth to Bottom of Well: 49.3
(from TOC)

(2) Depth to Water: 38.2 ft
(from TOC)

(3) Column of Water: 11.1
(#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 186 gallons

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

| | | | | | | | | |
|------------------|------------------|--------------|-------------|--------------|--------------|--------------|-------------|-------------|
| Vol Purged (gal) | <u>3 1/2 gal</u> | <u>1 1/2</u> | <u>2</u> | <u>1 1/2</u> | <u>1 1/2</u> | <u>1</u> | <u>1</u> | <u>3/4</u> |
| Time | <u>12:10</u> | <u>12:30</u> | <u>1:00</u> | <u>1:20</u> | <u>1:35</u> | <u>1:45</u> | <u>2:00</u> | <u>2:15</u> |
| ORP/EH (MV) | | | | | | | | |
| pH | | | | | | | | |
| Cond. (MS/CM) | | | | | | | | |
| Turb. (NTU) | <u>6000</u> | <u>TURB</u> | <u>TURB</u> | <u>CLEAR</u> | <u>CLEAR</u> | <u>CLEAR</u> | <u>SW</u> | <u>SW</u> |
| D.O. (mg/l) | | | | | | | | |
| Salinity (%) | | | | | | | | |
| Temp. (°C) | | | | | | | | |

Total Volume Purged: _____ gal Total Purge Time: 2:05

Development Info:

Development Method: DEDICATED BAILER

Comments: CANNOT BAIL WELL DRY, STOP @ 1/3 BAILER and
Raise again 15-20 min later. Well requires 30' +
to require 1 volume after INITIAL DRAW DOWN.
well cleanup up well

Logged By: D. McCa

APPENDIX D

**ANALYTICAL LABORATORY RESULTS-
SUBSURFACE SOIL**

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

FAX TRANSMITTAL

FAX # (585) 647-3311

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530
(800) 724-1997

TO David McCoy FROM _____
COMPANY TVGA Consultants DATE 8/27
SUBJECT Results NUMBER OF PAGES 13
INCLUDING COVER

COMMENTS: 716-487-3132

SIGNED _____

CONFIDENTIALITY NOTICE
This facsimile transmission may contain confidential or legally privileged information which is intended only for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or reliance upon contents of this facsimile is strictly prohibited. If you have received this facsimile transmission in error, please notify us immediately by telephone, (585) 647-2530, so that we can arrange for the return of the transmitted materials to us at no cost to you.



179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: **TVGA Consultants**

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-3 S-22
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2106
Lab Sample Number: 7710
Date Sampled: 08/15/2002
Date Received: 08/20/2002
Date Analyzed: 08/24/2002

| Halocarbons | Results in ug / Kg |
|---------------------------|--------------------|
| Bromodichloromethane | ND< 6.59 |
| Bromomethane | ND< 6.59 |
| Bromoform | ND< 6.59 |
| Carbon tetrachloride | ND< 6.59 |
| Chloroethane | ND< 6.59 |
| Chloromethane | ND< 6.59 |
| 2-Chloroethyl vinyl ether | ND< 6.59 |
| Chloroform | ND< 6.59 |
| Dibromochloromethane | ND< 6.59 |
| 1,1-Dichloroethane | ND< 6.59 |
| 1,2-Dichloroethane | ND< 6.59 |
| 1,1-Dichloroethane | ND< 6.59 |
| cis-1,2-Dichloroethene | ND< 6.59 |
| trans-1,2-Dichloroethene | ND< 6.59 |
| 1,2-Dichloropropane | ND< 6.59 |
| cis-1,3-Dichloropropene | ND< 6.59 |
| trans-1,3-Dichloropropene | ND< 6.59 |
| Methylene chloride | ND< 16.5 |
| 1,1,2,2-Tetrachloroethane | ND< 6.59 |
| Tetrachloroethene | ND< 6.59 |
| 1,1,1-Trichloroethane | ND< 6.59 |
| 1,1,2-Trichloroethane | ND< 6.59 |
| Trichloroethene | ND< 6.59 |
| Trichlorofluoromethane | ND< 6.59 |
| Vinyl Chloride | ND< 6.59 |

| Aromatics | Results in ug / Kg |
|---------------------|--------------------|
| Benzene | ND< 6.59 |
| Chlorobenzene | ND< 6.59 |
| Ethylbenzene | ND< 6.59 |
| Toluene | ND< 6.59 |
| m,p - Xylene | ND< 6.59 |
| o - Xylene | ND< 6.59 |
| Styrene | ND< 6.59 |
| 1,2-Dichlorobenzene | ND< 6.59 |
| 1,3-Dichlorobenzene | ND< 6.59 |
| 1,4-Dichlorobenzene | ND< 6.59 |

| Ketones | Results in ug / Kg |
|----------------------|--------------------|
| Acetone | ND< 32.9 |
| 2-Butanone | ND< 16.5 |
| 2-Hexanone | ND< 16.5 |
| 4-Methyl-2-pentanone | ND< 16.5 |

| Miscellaneous | Results in ug / Kg |
|------------------|--------------------|
| Carbon disulfide | ND< 16.5 |
| Vinyl acetate | ND< 16.5 |

ELAP Number 10958

Method: EPA 8260B

Data File: 61318.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022106V3.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/SludgesClient: **TVGA Consultants**

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-4 S-23
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2106
Lab Sample Number: 7711
Date Sampled: 08/16/2002
Date Received: 08/20/2002
Date Analyzed: 08/26/2002

| Halocarbons | Results in ug / Kg |
|---------------------------|--------------------|
| Bromodichloromethane | ND< 10.9 |
| Bromomethane | ND< 10.9 |
| Bromoform | ND< 10.9 |
| Carbon tetrachloride | ND< 10.9 |
| Chloroethane | ND< 10.9 |
| Chloromethane | ND< 10.9 |
| 2-Chloroethyl vinyl ether | ND< 10.9 |
| Chloroform | ND< 10.9 |
| Dibromochloromethane | ND< 10.9 |
| 1,1-Dichloroethane | ND< 10.9 |
| 1,2-Dichloroethane | ND< 10.9 |
| 1,1-Dichloroethene | ND< 10.9 |
| cis-1,2-Dichloroethene | ND< 10.9 |
| trans-1,2-Dichloroethene | ND< 10.9 |
| 1,2-Dichloropropane | ND< 10.9 |
| cis-1,3-Dichloropropene | ND< 10.9 |
| trans-1,3-Dichloropropene | ND< 10.9 |
| Methylene chloride | ND< 27.2 |
| 1,1,2,2-Tetrachloroethane | ND< 10.9 |
| Tetrachloroethene | ND< 10.9 |
| 1,1,1-Trichloroethane | ND< 10.9 |
| 1,1,2-Trichloroethane | ND< 10.9 |
| Trichloroethene | ND< 10.9 |
| Trichlorofluoromethane | ND< 10.9 |
| Vinyl Chloride | ND< 10.9 |

ELAP Number 10958

Method: EPA 8260B

| Aromatics | Results in ug / Kg |
|---------------------|--------------------|
| Benzene | ND< 10.9 |
| Chlorobenzene | ND< 10.9 |
| Ethylbenzene | ND< 10.9 |
| Toluene | ND< 10.9 |
| m,p - Xylene | ND< 10.9 |
| o - Xylene | ND< 10.9 |
| Styrene | ND< 10.9 |
| 1,2-Dichlorobenzene | ND< 10.9 |
| 1,3-Dichlorobenzene | ND< 10.9 |
| 1,4-Dichlorobenzene | ND< 10.9 |

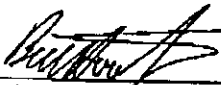
| Ketones | Results in ug / Kg |
|----------------------|--------------------|
| Acetone | ND< 54.4 |
| 2-Butanone | ND< 27.2 |
| 2-Hexanone | ND< 27.2 |
| 4-Methyl-2-pentanone | ND< 27.2 |

| Miscellaneous | Results in ug / Kg |
|------------------|--------------------|
| Carbon disulfide | ND< 27.2 |
| Vinyl acetate | ND< 27.2 |

Data File: 61345.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022106V5.XLS

Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: **TVGA Consultants**

| | | | |
|--------------------|---------------------------|---------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2106 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7712 |
| Field Location: | TB-3 S-3 | Date Sampled: | 08/19/2002 |
| Field ID Number: | N/A | Date Received: | 08/20/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/23/2002 |

| Aromatics | Results in ug / Kg |
|-------------------------|--------------------|
| Benzene | ND< 11.3 |
| n-Butylbenzene | ND< 11.3 |
| sec-Butylbenzene | ND< 11.3 |
| tert-Butylbenzene | ND< 11.3 |
| Ethylbenzene | ND< 11.3 |
| n-Propylbenzene | ND< 11.3 |
| Isopropylbenzene | ND< 11.3 |
| p-Isopropyltoluene | ND< 11.3 |
| Naphthalene | ND< 28.1 |
| Toluene | ND< 11.3 |
| 1,2,4-Trimethylbenzene | ND< 11.3 |
| 1,3,5-Trimethylbenzene | ND< 11.3 |
| m,p-Xylene | ND< 11.3 |
| o-Xylene | ND< 11.3 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 11.3 |

ELAP Number 10958

Method: EPA 8021

Data File: 11745.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022106V1.XLS

Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

| | | | |
|---------------------------|------------------|----------------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2108 |
| | Development Site | Lab Sample Number: | 7713 |
| Client Job Number: | 001109201 | | |
| Field Location: | TB-4 S-4 / S-5 | Date Sampled: | 08/19/2002 |
| Field ID Number: | N/A | Date Received: | 08/20/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/23/2002 |

| Aromatics | Results in ug / Kg |
|-------------------------|--------------------|
| Benzene | ND< 6.45 |
| n-Butylbenzene | ND< 6.45 |
| sec-Butylbenzene | ND< 6.45 |
| tert-Butylbenzene | ND< 6.45 |
| Ethylbenzene | ND< 6.45 |
| n-Propylbenzene | ND< 6.45 |
| Isopropylbenzene | ND< 6.45 |
| p-Isopropyltoluene | ND< 6.45 |
| Naphthalene | ND< 16.1 |
| Toluene | ND< 6.45 |
| 1,2,4-Trimethylbenzene | ND< 6.45 |
| 1,3,5-Trimethylbenzene | ND< 6.45 |
| m,p-Xylene | ND< 6.45 |
| o-Xylene | ND< 6.45 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 6.45 |

ELAP Number 10958

Method: EPA 8021

Date File: 11746.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges (B/N Fraction)

Client: **TVGA Consultants**

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-3 S-22
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2106
Lab Sample Number: 7710
Date Sampled: 08/15/2002
Date Received: 08/20/2002
Date Analyzed: 08/26/2002

| Base / Neutrals | Results in ug / Kg | Base / Neutrals | Results in ug / Kg |
|------------------------------|--------------------|-------------------------------|--------------------|
| Acenaphthene | ND< 313 | Dibenz (a,h) anthracene | ND< 313 |
| Anthracene | ND< 313 | Fluoranthene | ND< 313 |
| Benzo (a) anthracene | ND< 313 | Fluorene | ND< 313 |
| Benzo (a) pyrene | ND< 313 | Indeno (1,2,3-cd) pyrene | ND< 313 |
| Benzo (b) fluoranthene | ND< 313 | Naphthalene | ND< 313 |
| Benzo (g,h,i) perylene | ND< 313 | Phenanthrene | ND< 313 |
| Benzo (k) fluoranthene | ND< 313 | Pyrene | ND< 313 |
| Chrysene | ND< 313 | Acenaphthylene | ND< 313 |
| Diethyl phthalate | ND< 313 | 1,2-Dichlorobenzene | ND< 313 |
| Dimethyl phthalate | ND< 782 | 1,3-Dichlorobenzene | ND< 313 |
| Butylbenzylphthalate | ND< 313 | 1,4-Dichlorobenzene | ND< 313 |
| Di-n-butyl phthalate | ND< 313 | 1,2,4-Trichlorobenzene | ND< 313 |
| Di-n-octylphthalate | ND< 313 | Nitrobenzene | ND< 313 |
| Bis (2-ethylhexyl) phthalate | 705 | 2,4-Dinitrotoluene | ND< 313 |
| 2-Chloronaphthalene | ND< 313 | 2,6-Dinitrotoluene | ND< 313 |
| Hexachlorobenzene | ND< 313 | Bis (2-chloroethyl) ether | ND< 313 |
| Hexachloroethane | ND< 313 | Bis (2-chloroisopropyl) ether | ND< 313 |
| Hexachlorocyclopentadiene | ND< 313 | Bis (2-chloroethoxy) methane | ND< 313 |
| Hexachlorobutadiene | ND< 313 | 4-Bromophenyl phenyl ether | ND< 313 |
| N-Nitroso-di-n-propylamine | ND< 313 | 4-Chlorophenyl phenyl ether | ND< 313 |
| N-Nitrosodiphenylamine | ND< 313 | Benzidine | ND< 782 |
| N-Nitrosodimethylamine | ND< 313 | 3,3'-Dichlorobenzidine | ND< 313 |
| Isophorone | ND< 313 | 4-Chloroaniline | ND< 313 |
| Benzyl alcohol | ND< 782 | 2-Nitroaniline | ND< 782 |
| Dibenzofuran | ND< 313 | 3-Nitroaniline | ND< 782 |
| 2-Methylnaphthalene | ND< 313 | 4-Nitroaniline | ND< 782 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5414.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022106S1.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges (B/N Fraction)

Client: TVGA Consultants

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-4 S-23
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2106
Lab Sample Number: 7711
Date Sampled: 08/16/2002
Date Received: 08/20/2002
Date Analyzed: 08/26/2002

| Base / Neutrals | Results in ug / Kg | Base / Neutrals | Results in ug / Kg |
|------------------------------|--------------------|-------------------------------|--------------------|
| Acenaphthene | ND< 319 | Dibenz (a,h) anthracene | ND< 319 |
| Anthracene | ND< 319 | Fluoranthene | ND< 319 |
| Benzo (a) anthracene | ND< 319 | Fluorene | ND< 319 |
| Benzo (a) pyrene | ND< 319 | Indeno (1,2,3-cd) pyrene | ND< 319 |
| Benzo (b) fluoranthene | ND< 319 | Naphthalene | ND< 319 |
| Benzo (g,h,i) perylene | ND< 319 | Phenanthrene | ND< 319 |
| Benzo (k) fluoranthene | ND< 319 | Pyrene | ND< 319 |
| Chrysene | ND< 319 | Acenaphthylene | ND< 319 |
| Diethyl phthalate | ND< 319 | 1,2-Dichlorobenzene | ND< 319 |
| Dimethyl phthalate | ND< 797 | 1,3-Dichlorobenzene | ND< 319 |
| Butylbenzylphthalate | ND< 319 | 1,4-Dichlorobenzene | ND< 319 |
| Di-n-butyl phthalate | ND< 319 | 1,2,4-Trichlorobenzene | ND< 319 |
| Di-n-octylphthalate | ND< 319 | Nitrobenzene | ND< 319 |
| Bis (2-ethylhexyl) phthalate | ND< 319 | 2,4-Dinitrotoluene | ND< 319 |
| 2-Chloronaphthalene | ND< 319 | 2,6-Dinitrotoluene | ND< 319 |
| Hexachlorobenzene | ND< 319 | Bis (2-chloroethyl) ether | ND< 319 |
| Hexachloroethane | ND< 319 | Bis (2-chloroisopropyl) ether | ND< 319 |
| Hexachlorocyclopentadiene | ND< 319 | Bis (2-chloroethoxy) methane | ND< 319 |
| Hexachlorobutadiene | ND< 319 | 4-Bromophenyl phenyl ether | ND< 319 |
| N-Nitroso-di-n-propylamine | ND< 319 | 4-Chlorophenyl phenyl ether | ND< 319 |
| N-Nitrosodiphenylamine | ND< 319 | Benzidine | ND< 797 |
| N-Nitrosodimethylamine | ND< 319 | 3,3'-Dichlorobenzidine | ND< 319 |
| Isophorone | ND< 319 | 4-Chloroaniline | ND< 319 |
| Benzyl alcohol | ND< 797 | 2-Nitroaniline | ND< 797 |
| Dibenzofuran | ND< 319 | 3-Nitroaniline | ND< 797 |
| 2-Methylnaphthalene | ND< 319 | 4-Nitroaniline | ND< 797 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5415.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022106s2.xls



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Semi-Volatile STARS Analysis Report for Soils/Solids/SludgesClient: TVGA Consultants

| | | | |
|--------------------|------------------|---------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2106 |
| | Development Site | Lab Sample Number: | 7712 |
| Client Job Number: | 001109201 | | |
| Field Location: | TB-3 S-3 | Date Sampled: | 08/19/2002 |
| Field ID Number: | N/A | Date Received: | 08/20/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/26/2002 |

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | 1,850 |
| Anthracene | 3,730 |
| Benzo (a) anthracene | 4,760 |
| Benzo (a) pyrene | 3,470 |
| Benzo (b) fluoranthene | 4,040 |
| Benzo (g,h,i) perylene | 1,990 |
| Benzo (k) fluoranthene | ND< 1,740 |
| Chrysene | 5,650 |
| Dibenz (a,h) anthracene | ND< 1,740 |
| Fluoranthene | 11,400 |
| Fluorene | ND< 1,740 |
| Indeno (1,2,3-cd) pyrene | ND< 1,740 |
| Naphthalene | 1,970 |
| Phenanthrene | 14,200 |
| Pyrene | 12,900 |

ELAP Number 10958

Method: EPA 6270D

Data File: 5419.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022108S3.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges**Client:** TVGA Consultants

| | | | |
|---------------------------|------------------|----------------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2106 |
| | Development Site | Lab Sample Number: | 7713 |
| Client Job Number: | 001109201 | | |
| Field Location: | TB-4 S-4 / S-5 | Date Sampled: | 08/19/2002 |
| Field ID Number: | N/A | Date Received: | 08/20/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/26/2002 |

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 337 |
| Anthracene | ND< 337 |
| Benzo (a) anthracene | ND< 337 |
| Benzo (a) pyrene | ND< 337 |
| Benzo (b) fluoranthene | ND< 337 |
| Benzo (g,h,i) perylene | ND< 337 |
| Benzo (k) fluoranthene | ND< 337 |
| Chrysene | ND< 337 |
| Dibenz (a,h) anthracene | ND< 337 |
| Fluoranthene | ND< 337 |
| Fluorene | ND< 337 |
| Indeno (1,2,3-cd) pyrene | ND< 337 |
| Naphthalene | ND< 337 |
| Phenanthrene | ND< 337 |
| Pyrene | ND< 337 |

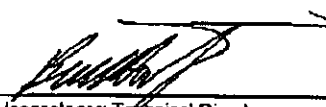
ELAP Number 10958

Method: EPA 8270D

Data File: 5416.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022106S4.XLS

| | | | |
|-------------------------|---------------------------|-------------------------|------------|
| Client: | TVGA Consultants | Lab Project No.: | 02-2106 |
| Client Job Site: | West End Development Site | Lab Sample No.: | 7711 |
| Client Job No.: | 001109201 | Sample Type: | Soil |
| Field Location: | MW-4 S-23 | Date Sampled: | 08/16/2002 |
| Field ID No.: | N/A | Date Received: | 08/20/2002 |

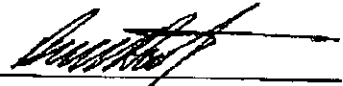
Laboratory Report for Solid Waste Analysis

| Parameter | Date Analyzed | Analytical Method | Result (mg/kg) |
|-----------|---------------|-------------------|----------------|
| Arsenic | 08/26/2002 | SW846 6010 | 8.88 |
| Barium | 08/26/2002 | SW846 6010 | 47.6 |
| Cadmium | 08/26/2002 | SW846 6010 | <0.485 |
| Chromium | 08/26/2002 | SW846 6010 | 7.24 |
| Lead | 08/28/2002 | SW846 6010 | 8.01 |
| Mercury | 08/27/2002 | SW846 7471 | <0.076 |
| Selenium | 08/26/2002 | SW846 6010 | 0.837 |
| Silver | 08/26/2002 | SW846 6010 | <1.11 |

ELAP ID No.: 10958

Comments:

Approved By:


 Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID: 022106

Client: TVGA Consultants

Lab Project No.: 02-2106

Lab Sample No.: 7712

Client Job Site: West End Development Site

Sample Type: Soil

Client Job No.: 001109201

Date Sampled: 08/19/2002

Field Location: TB-3 S-3

Date Received: 08/20/2002

Field ID No.: N/A

Laboratory Report for Solid Waste Analysis

| Parameter | Date Analyzed | Analytical Method | Result (mg/kg) |
|-----------|---------------|-------------------|----------------|
| Arsenic | 08/28/2002 | SW846 6010 | 14.2 |
| Barium | 08/26/2002 | SW846 6010 | 145 |
| Cadmium | 08/26/2002 | SW846 6010 | 1.17 |
| Chromium | 08/26/2002 | SW846 6010 | 18.8 |
| Lead | 08/26/2002 | SW846 6010 | 12.5 |
| Mercury | 08/27/2002 | SW846 7471 | <0.085 |
| Selenium | 08/26/2002 | SW846 6010 | <0.432 |
| Silver | 08/26/2002 | SW846 6010 | <0.704 |

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY 1012

PROJECT NAME: WEST END DEVELOPMENT SITE

| | | | | |
|----------------------------------|-------------------------------|--|------------------------------------|-------------------|
| COMPANY: <u>TRAC CONSULTANTS</u> | ADDRESS: <u>200 Howard St</u> | CITY: <u>Jamestown</u> | STATE: <u>NY</u> | ZIP: <u>14701</u> |
| PHONE: <u>716-467-5133</u> | FAX: <u></u> | ATTN: <u>David McCay</u> | | |
| REPORT TO: <u></u> | INVOICE TO: <u></u> | LAB PROJECT #: <u>01-2106</u> | CLIENT PROJECT #: <u>001109201</u> | |
| | | TURNOVER TIME (WORKING DAYS) | | |
| | | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 | | |

| DATE | TIME | COMPOSITE | G R A B | SAMPLE LOCATION/FIELD ID | M A T R I X | C O N T A I N E R | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------|--------|-----------|---------|--------------------------|-------------|-------------------|--------------------|---------|----------------------------|
| 10/15/02 | 4:30pm | α | | MU-3 S-22 | S | T | TCL Vols E202 | | 7710 |
| 20/15/02 | 4:30pm | α | | MU-3 S-22 | S | T | USE/ANALYSIS E2 | | 7710 |
| 30/16/02 | 4:00pm | α | | MU-4 S-23 | S | T | RECEIVED METALS | | 7711 |
| 40/16/02 | 4:00pm | α | | MU-4 S-23 | S | T | | | 7711 |
| 50/16/02 | 4:00pm | α | | MU-4 S-23 | S | T | | | 7711 |
| 60/16/02 | 1:30pm | α | | TB-3 S-3 | S | T | | | 7711 |
| 70/16/02 | 1:30pm | α | | TB-3 S-3 | S | T | | | 7711 |
| 80/16/02 | 1:30pm | α | | TB-3 S-3 | S | T | | | 7711 |
| 90/16/02 | 2:00pm | α | | TB-4 S-4/S-5 | S | T | | | 7713 |
| 10/16/02 | 4:00pm | α | | TB-4 S-4/S-5 | S | T | | | 7714 |

SAMPLE CONDITION: Check box if acceptable or note deviation: ☐ CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: DL McCay Date/Time: 8/14/02 2:15pm
Retinquished By: DL McCay Date/Time: 8/14/02 2:15pm

Received By: DL McCay Date/Time: 8/14/02 2:15pm
Received @ Lab By: DL McCay Date/Time: 8/16/02 7:45

Total Cost: 00

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

2 of 2

PROJECT ANALYST NAME:
WEST END
Development SITE

| | | | |
|---------------------------|---------------------|---------------------------------|-----------------------------|
| REPORT TO: | | INVOICE TO: | |
| COMPANY: TUSA CONSULTANTS | COMPANY: Same | LAB PROJECT #: 02-2106 | CLIENT PROJECT #: 001109201 |
| ADDRESS: 200 WOODSON ST. | ADDRESS: Same | TURNAROUND TIME (WORKING DAYS): | |
| CITY: JAMESBURGH NY | CITY: Same | STATE: NY | ZIP: 11755 |
| PHONE: 716-467-3133 | PHONE: 716-467-3133 | PAX: | |
| ATTN: DAVID MCCOY | ATTN: Same | STD: | OTHER: |
| COMMENTS: | | 1 2 3 5 | |

| DATE | TIME | COMPOSITIVE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | CONTAINER | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------|--------|-------------|------|--------------------------|--------|-----------------|--------------------|---------|----------------------------|
| 12/15/02 | 2:00pm | X | | TB-4 54/5-6 | S | STARS from Vels | | | 77113 |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐

PRESERVATIONS: ☐

HOLDING TIME: ☐

TEMPERATURE: ☐

| | | | |
|----------------------|---------------------------|------------------|------------|
| Sampled By: J.H. McS | Date/Time: 6/15/02 2:15pm | Relinquished By: | Date/Time: |
| Relinquished By: | Date/Time: | Received By: | Date/Time: |

| | | | |
|--------------|------------|--------------------|------------|
| Received By: | Date/Time: | Received @ Lab By: | Date/Time: |
| | | | |

Total Cost:

P.L.F.

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

FAX TRANSMITTAL

FAX # (585) 647-3311

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530
(800) 724-1997

TO David McCoy FROM _____
COMPANY TVGA Consultants DATE 8/27
SUBJECT Results NUMBER OF PAGES 11
INCLUDING COVER

COMMENTS: 716-482-3132

SIGNED _____

CONFIDENTIALITY NOTICE

This facsimile transmission may contain confidential or legally privileged information which is intended only for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or reliance upon contents of this facsimile is strictly prohibited. If you have received this facsimile transmission in error, please notify us immediately by telephone, (585) 647-2530, so that we can arrange for the return of the transmitted materials to us at no cost to you.

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 547-3311

Client: TVGA Consultants

Lab Project No.: 02-2095

Lab Sample No.: 7663

Client Job Site: West End
Development Site

Sample Type: Soil

Client Job No.: 001109201

Date Sampled: 08/13/2002

Field Location: MW-1 S-21

Date Received: 08/19/2002

Field ID No.: N/A

Laboratory Report for Solid Waste Analysis

| Parameter | Date Analyzed | Analytical Method | Result (mg/kg) |
|-----------|---------------|-------------------|----------------|
| Arsenic | 08/26/2002 | SW846 6010 | 23.6 |
| Barium | 08/26/2002 | SW846 6010 | 22.6 |
| Cadmium | 08/26/2002 | SW846 6010 | <0.529 |
| Chromium | 08/26/2002 | SW846 6010 | 6.40 |
| Lead | 08/26/2002 | SW846 6010 | 7.19 |
| Mercury | 08/21/2002 | SW846 7471 | <0.071 |
| Selenium | 08/26/2002 | SW846 6010 | <0.529 |
| Silver | 08/26/2002 | SW846 6010 | <1.06 |

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022095

Volatile Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-1 S-21
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2095
Lab Sample Number: 7663
Date Sampled: 08/13/2002
Date Received: 08/19/2002
Date Analyzed: 08/22/2002

| Halocarbons | Results in ug / Kg |
|---------------------------|--------------------|
| Bromodichloromethane | ND< 7.83 |
| Bromomethane | ND< 7.83 |
| Bromoform | ND< 7.83 |
| Carbon tetrachloride | ND< 7.83 |
| Chloroethane | ND< 7.83 |
| Chloromethane | ND< 7.83 |
| 2-Chloroethyl vinyl ether | ND< 7.83 |
| Chloroform | ND< 7.83 |
| Dibromochloromethane | ND< 7.83 |
| 1,1-Dichloroethane | ND< 7.83 |
| 1,2-Dichloroethane | ND< 7.83 |
| 1,1-Dichloroethene | ND< 7.83 |
| cis-1,2-Dichloroethene | ND< 7.83 |
| trans-1,2-Dichloroethene | ND< 7.83 |
| 1,2-Dichloropropane | ND< 7.83 |
| cis-1,3-Dichloropropene | ND< 7.83 |
| trans-1,3-Dichloropropene | ND< 7.83 |
| Methylene chloride | ND< 39.2 |
| 1,1,2,2-Tetrachloroethane | ND< 7.83 |
| Tetrachloroethene | ND< 7.83 |
| 1,1,1-Trichloroethane | ND< 7.83 |
| 1,1,2-Trichloroethane | ND< 7.83 |
| Trichloroethene | ND< 7.83 |
| Trichlorofluoromethane | ND< 7.83 |
| Vinyl Chloride | ND< 7.83 |

| Aromatics | Results in ug / Kg |
|---------------------|--------------------|
| Benzene | ND< 7.83 |
| Chlorobenzene | ND< 7.83 |
| Ethylbenzene | ND< 7.83 |
| Toluene | ND< 7.83 |
| m,p - Xylene | ND< 7.83 |
| o - Xylene | ND< 7.83 |
| Styrene | ND< 7.83 |
| 1,2-Dichlorobenzene | ND< 7.83 |
| 1,3-Dichlorobenzene | ND< 7.83 |
| 1,4-Dichlorobenzene | ND< 7.83 |

| Ketones | Results in ug / Kg |
|----------------------|--------------------|
| Acetone | ND< 39.2 |
| 2-Butanone | ND< 19.6 |
| 2-Hexanone | ND< 19.6 |
| 4-Methyl-2-pentanone | ND< 19.6 |

| Miscellaneous | Results in ug / Kg |
|------------------|--------------------|
| Carbon disulfide | ND< 19.6 |
| Vinyl acetate | ND< 19.6 |

ELAP Number 10958

Method: EPA 8260B

Data File: 81289.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095V4.XLS

Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

| | | | |
|---------------------------|------------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2095 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7664 |
| Field Location: | TB-1 S-5 | Date Sampled: | 08/14/2002 |
| Field ID Number: | N/A | Date Received: | 08/19/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/22/2002 |

| Aromatics | Results in ug / Kg |
|-------------------------|--------------------|
| Benzene | ND< 11.1 |
| n-Butylbenzene | ND< 11.1 |
| sec-Butylbenzene | ND< 11.1 |
| tert-Butylbenzene | ND< 11.1 |
| Ethylbenzene | ND< 11.1 |
| n-Propylbenzene | ND< 11.1 |
| Isopropylbenzene | ND< 11.1 |
| p-Isopropyltoluene | ND< 11.1 |
| Naphthalene | ND< 27.8 |
| Toluene | ND< 11.1 |
| 1,2,4-Trimethylbenzene | ND< 11.1 |
| 1,3,5-Trimethylbenzene | ND< 11.1 |
| m,p-Xylene | ND< 11.1 |
| o-Xylene | ND< 11.1 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 11.1 |


ELAP Number 10958

Method: EPA 8021

Data File: 11732.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095V1.XLS

Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: **TVGA Consultants**

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: TB-2 S-5
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2095
Lab Sample Number: 7665
Date Sampled: 08/14/2002
Date Received: 08/19/2002
Date Analyzed: 08/22/2002

| Aromatics | Results in ug / Kg |
|-------------------------|--------------------|
| Benzene | ND< 7.03 |
| n-Butylbenzene | ND< 7.03 |
| sec-Butylbenzene | ND< 7.03 |
| tert-Butylbenzene | ND< 7.03 |
| Ethylbenzene | ND< 7.03 |
| n-Propylbenzene | ND< 7.03 |
| Isopropylbenzene | ND< 7.03 |
| p-Isopropyltoluene | ND< 7.03 |
| Naphthalene | ND< 17.6 |
| Toluene | ND< 7.03 |
| 1,2,4-Trimethylbenzene | ND< 7.03 |
| 1,3,5-Trimethylbenzene | ND< 7.03 |
| m,p-Xylene | ND< 7.03 |
| o-Xylene | ND< 7.03 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 7.03 |

ELAP Number 10958

Method: EPA 8021

Data File: 11733.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

| | | | |
|--------------------|------------------------------|---------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2095 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7686 |
| Field Location: | MW-2 S-24 | Date Sampled: | 08/14/2002 |
| Field ID Number: | N/A | Date Received: | 08/19/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/23/2002 |

| Aromatics | Results in ug / Kg |
|-------------------------|--------------------|
| Benzene | ND< 5.91 |
| n-Butylbenzene | ND< 5.91 |
| sec-Butylbenzene | ND< 5.91 |
| tert-Butylbenzene | ND< 5.91 |
| Ethylbenzene | ND< 5.91 |
| n-Propylbenzene | ND< 5.91 |
| Isopropylbenzene | ND< 5.91 |
| p-Isopropyltoluene | ND< 5.91 |
| Naphthalene | ND< 14.8 |
| Toluene | ND< 5.91 |
| 1,2,4-Trimethylbenzene | ND< 5.91 |
| 1,3,5-Trimethylbenzene | ND< 5.91 |
| m,p-Xylene | ND< 5.91 |
| o-Xylene | ND< 5.91 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 5.91 |

ELAP Number 10958

Method: EPA 8021

Data File: 11734.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095V3.XLS

Semi-Volatile Analysis Report for Soils/Solids/Sludges (B/N Fraction)

Client: TVGA Consultants

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-1 S-21
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2095
Lab Sample Number: 7683
Date Sampled: 08/13/2002
Date Received: 08/19/2002
Date Analyzed: 08/22/2002

| Base / Neutrals | Results in ug / Kg | Base / Neutrals | Results in ug / Kg |
|------------------------------|--------------------|-------------------------------|--------------------|
| Acenaphthene | ND< 333 | Dibenz (a,h) anthracene | ND< 333 |
| Anthracene | ND< 333 | Fluoranthene | ND< 333 |
| Benzo (a) anthracene | ND< 333 | Fluorene | ND< 333 |
| Benzo (a) pyrene | ND< 333 | Indeno (1,2,3-cd) pyrene | ND< 333 |
| Benzo (b) fluoranthene | ND< 333 | Naphthalene | ND< 333 |
| Benzo (g,h,i) perylene | ND< 333 | Phenanthrene | ND< 333 |
| Benzo (k) fluoranthene | ND< 333 | Pyrene | ND< 333 |
| Chrysene | ND< 333 | Acenaphthylene | ND< 333 |
| Diethyl phthalate | ND< 333 | 1,2-Dichlorobenzene | ND< 333 |
| Dimethyl phthalate | ND< 832 | 1,3-Dichlorobenzene | ND< 333 |
| Butylbenzylphthalate | ND< 333 | 1,4-Dichlorobenzene | ND< 333 |
| Di-n-butyl phthalate | ND< 333 | 1,2,4-Trichlorobenzene | ND< 333 |
| Di-n-octylphthalate | ND< 333 | Nitrobenzene | ND< 333 |
| Bis (2-ethylhexyl) phthalate | ND< 333 | 2,4-Dinitrotoluene | ND< 333 |
| 2-Chloronaphthalene | ND< 333 | 2,6-Dinitrotoluene | ND< 333 |
| Hexachlorobenzene | ND< 333 | Bis (2-chloroethyl) ether | ND< 333 |
| Hexachloroethane | ND< 333 | Bis (2-chloroisopropyl) ether | ND< 333 |
| Hexachlorocyclopentadiene | ND< 333 | Bis (2-chloroethoxy) methane | ND< 333 |
| Hexachlorobutadiene | ND< 333 | 4-Bromophenyl phenyl ether | ND< 333 |
| N-Nitroso-di-n-propylamine | ND< 333 | 4-Chlorophenyl phenyl ether | ND< 333 |
| N-Nitrosodiphenylamine | ND< 333 | Benzidine | ND< 832 |
| N-Nitrosodimethylamine | ND< 333 | 3,3'-Dichlorobenzidine | ND< 333 |
| Isophorone | ND< 333 | 4-Chloroaniline | ND< 333 |
| Benzyl alcohol | ND< 832 | 2-Nitroaniline | ND< 832 |
| Dibenzofuran | ND< 333 | 3-Nitroaniline | ND< 832 |
| 2-Methylnaphthalene | ND< 333 | 4-Nitroaniline | ND< 832 |


ELAP Number 10958

Method: EPA 8270D

Data File: 5394.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095S4.XLS

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

| | | | |
|---------------------------|------------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2095 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7664 |
| Field Location: | TB-1 S-5 | Date Sampled: | 08/14/2002 |
| Field ID Number: | N/A | Date Received: | 08/19/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/22/2002 |

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 329 |
| Anthracene | ND< 329 |
| Benzo (a) anthracene | ND< 329 |
| Benzo (a) pyrene | ND< 329 |
| Benzo (b) fluoranthene | ND< 329 |
| Benzo (g,h,i) perylene | ND< 329 |
| Benzo (k) fluoranthene | ND< 329 |
| Chrysene | ND< 329 |
| Dibenz (a,h) anthracene | ND< 329 |
| Fluoranthene | ND< 329 |
| Fluorene | ND< 329 |
| Indeno (1,2,3-cd) pyrene | ND< 329 |
| Naphthalene | ND< 329 |
| Phenanthrene | ND< 329 |
| Pyrene | ND< 329 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5395.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095e1.xls

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: TB-2 S-5
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2085
Lab Sample Number: 7665
Date Sampled: 08/14/2002
Date Received: 08/19/2002
Date Analyzed: 08/22/2002

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 315 |
| Anthracene | ND< 315 |
| Benzo (a) anthracene | ND< 315 |
| Benzo (a) pyrene | ND< 315 |
| Benzo (b) fluoranthene | ND< 315 |
| Benzo (g,h,i) perylene | ND< 315 |
| Benzo (k) fluoranthene | ND< 315 |
| Chrysene | ND< 315 |
| Dibenz (a,h) anthracene | ND< 315 |
| Fluoranthene | ND< 315 |
| Fluorene | ND< 315 |
| Indeno (1,2,3-cd) pyrene | ND< 315 |
| Naphthalene | ND< 315 |
| Phenanthrene | ND< 315 |
| Pyrene | ND< 315 |

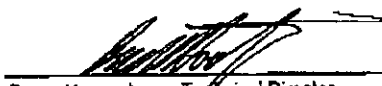
ELAP Number 10958

Method: EPA 8270D

Data File: 5398.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022095s2.xls

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: TVGA Consultants

| | | | |
|---------------------------|------------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2095 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7666 |
| Field Location: | MW-2 S-24 | Date Sampled: | 08/14/2002 |
| Field ID Number: | N/A | Date Received: | 08/19/2002 |
| Sample Type: | Soil | Date Analyzed: | 08/23/2002 |

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 330 |
| Anthracene | ND< 330 |
| Benzo (a) anthracene | ND< 330 |
| Benzo (a) pyrene | ND< 330 |
| Benzo (b) fluoranthene | ND< 330 |
| Benzo (g,h,i) perylene | ND< 330 |
| Benzo (k) fluoranthene | ND< 330 |
| Chrysene | ND< 330 |
| Dibenz (a,h) anthracene | ND< 330 |
| Fluoranthene | ND< 330 |
| Fluorene | ND< 330 |
| Indeno (1,2,3-cd) pyrene | ND< 330 |
| Naphthalene | ND< 330 |
| Phenanthrene | ND< 330 |
| Pyrene | ND< 330 |

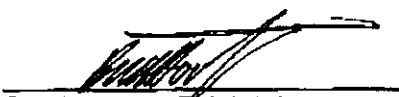
ELAP Number 10958

Method: EPA 8270D

Data File: 5397.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

PARADIGM

CHAIN OF CUSTODY

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2630 • (800) 724-1987
FAX: (716) 647-3311

PROJECT NAME/SITE NAME
WEST END
Davenport Site

REPORT TO:

INVOICE TO:

| | | | |
|-----------------------------------|-----------------------------------|--|-------------------|
| COMPANY: TVCA CONSULTANTS | COMPANY: TVCA CONSULTANTS | LAB PROJECT #: | CLIENT PROJECT #: |
| ADDRESS: 200 WARRISON ST. | ADDRESS: 200 WARRISON ST. | 02-2095 | 001109201 |
| CITY: JAMESTOWN NY | CITY: JAMESTOWN NY | TU BURNAROUND TIME: (PROHIBITING DAYS) | |
| STATE: NY | STATE: NY | | |
| ZIP: 14701 | ZIP: 14701 | | |
| PHONE: 714-487-3133 (3132) | PHONE: 714-487-3133 (3132) | | |
| FAX: 714-487-3133 (3132) | FAX: 714-487-3133 (3132) | | |
| ATTN: DAVID McCloy | ATTN: DAVID McCloy | | |
| COMMENTS: | COMMENTS: | | |

REQUESTED ANALYSIS

| DATE | TIME | COMPOUND | GRADES | SAMPLE LOCATION/FIELD ID | MATERIALS | CONTAMINANTS | TEL VOLTS | BASE METALS | REZRA METALS | SPARS VOLTS | SPARS SEMI VOLTS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------|---------|----------|--------|--------------------------|-----------|--------------|-----------|-------------|--------------|-------------|------------------|---------|----------------------------|
| 10/13/02 | 9:15am | | | MW-1 S-21 | S | 1 | X | | | | | | 76663 |
| 26/13/02 | 9:15am | | | MW-1 S-21 | S | 1 | X | | | | | | |
| 30/13/02 | 9:15am | | | MW-1 S-21 | S | 1 | | X | | | | | |
| 4/14/02 | 9:35am | | | TB-1 S-5 | S | 1 | | | | X | | | 76664 |
| 5/14/02 | 9:35am | | | TB-1 S-5 | S | 1 | | | | X | | | |
| 6/14/02 | 11:00am | | | TB-2 S-5 | S | 1 | | | | X | | | 76665 |
| 7/14/02 | 11:00am | | | TB-2 S-5 | S | 1 | | | | X | | | |
| 8/14/02 | 5:30pm | | | MW-2 S-24 | S | 1 | | | | X | | | 76666 |
| 9/14/02 | 3:30pm | | | MW-2 S-24 | S | 1 | | | | X | | | |
| 10/15/02 | 9:00am | | | TRAP Blank - 1 | L | 1 | | | | X | | | 76667 |

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE:

☒

PRESERVATIONS:

☒

HOLDING TIME:

☒

TEMPERATURE:

☒

Sampled By:

W. McG

Date/Time:

5/15/02 3:00pm

Relinquished By:

Relinquished By:

Date/Time:

Received By:

Date/Time:

Total Cost:

Received By:

Date/Time:

Received @ Lab By:

Date/Time:

P.L.F.

Received 8/19/02 0940

*3rd MW-2 trap 340 ml water
pre used*

APPENDIX E

**ANALYTICAL LABORATORY RESULTS-
GROUNDWATER**

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

FAX TRANSMITTAL

FAX # (585) 647-3311

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530
(800) 724-1997

TO David McCoy
COMPANY TVGA Consultants
SUBJECT Results

FROM _____
DATE 9/4/02
NUMBER OF PAGES
INCLUDING COVER 12

COMMENTS: 716-487-3132

SIGNED _____

CONFIDENTIALITY NOTICE

This facsimile transmission may contain confidential or legally privileged information which is intended only for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or reliance upon contents of this facsimile is strictly prohibited. If you have received this facsimile transmission in error, please notify us immediately by telephone, (585) 647-2530, so that we can arrange for the return of the transmitted materials to us at no cost to you.

Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

| | | | |
|---------------------------|---------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2157 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7868 |
| Field Location: | MW-1 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/27/2002 |

| Aromatics | Results In ug / L |
|-------------------------|-------------------|
| Benzene | ND< 0.700 |
| n-Butylbenzene | ND< 2.00 |
| sec-Butylbenzene | ND< 2.00 |
| tert-Butylbenzene | ND< 2.00 |
| Ethylbenzene | ND< 2.00 |
| n-Propylbenzene | ND< 2.00 |
| Isopropylbenzene | ND< 2.00 |
| p-Isopropyltoluene | ND< 2.00 |
| Naphthalene | ND< 5.00 |
| Toluene | ND< 2.00 |
| 1,2,4-Trimethylbenzene | ND< 2.00 |
| 1,3,5-Trimethylbenzene | ND< 2.00 |
| m,p-Xylene | ND< 2.00 |
| o-Xylene | ND< 2.00 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 2.00 |

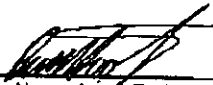
ELAP Number 10958

Method: EPA 8021

Data File: 11791.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V1.XLS

Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

| | | | |
|---------------------------|---------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2157 |
| | | Lab Sample Number: | 7969 |
| Client Job Number: | 001109201 | | |
| Field Location: | MW-2 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/27/2002 |

| Aromatics | Results in ug / L |
|-------------------------|-------------------|
| Benzene | 181 |
| n-Butylbenzene | ND< 20.0 |
| sec-Butylbenzene | ND< 20.0 |
| tert-Butylbenzene | ND< 20.0 |
| Ethylbenzene | 351 |
| n-Propylbenzene | ND< 20.0 |
| Isopropylbenzene | ND< 20.0 |
| p-Isopropyltoluene | ND< 20.0 |
| Naphthalene | ND< 50.0 |
| Toluene | 92.5 |
| 1,2,4-Trimethylbenzene | 83.6 |
| 1,3,5-Trimethylbenzene | ND< 20.0 |
| m,p-Xylene | 474 |
| o-Xylene | 203 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 20.0 |


ELAP Number 10958

Method: EPA 8021

Data File: 11792.D

Comments: ND denotes Non Detected
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V2.XLS

Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

Client Job Site: West End Development Site Lab Project Number: 02-2157
Lab Sample Number: 7870
Client Job Number: 001109201
Field Location: MWV-3 Date Sampled: 08/26/2002
Field ID Number: N/A Date Received: 08/27/2002
Sample Type: Water Date Analyzed: 08/28/2002

| Aromatics | Results in ug / L |
|-------------------------|-------------------|
| Benzene | ND< 0.700 |
| n-Butylbenzene | ND< 2.00 |
| sec-Butylbenzene | ND< 2.00 |
| tert-Butylbenzene | ND< 2.00 |
| Ethylbenzene | ND< 2.00 |
| n-Propylbenzene | ND< 2.00 |
| Isopropylbenzene | ND< 2.00 |
| p-Isopropyltoluene | ND< 2.00 |
| Naphthalene | ND< 5.00 |
| Toluene | ND< 2.00 |
| 1,2,4-Trimethylbenzene | ND< 2.00 |
| 1,3,5-Trimethylbenzene | ND< 2.00 |
| m,p-Xylene | ND< 2.00 |
| o-Xylene | ND< 2.00 |
| Miscellaneous | |
| Methyl tert-butyl Ether | 18.2 |

ELAP Number 10959

Method: EPA 8021

Data File: 11793.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V3.XLS



179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile STARS Analysis Report for Non-potable Water**Client: TVGA Consultants**

Client Job Site: West End Development Site Lab Project Number: 02-2157
Lab Sample Number: 7877
Client Job Number: 001109201
Field Location: Trip Blank Date Sampled: 08/26/2002
Field ID Number: N/A Date Received: 08/27/2002
Sample Type: Water Date Analyzed: 08/28/2002

| Aromatics | Results in ug / L |
|-------------------------|-------------------|
| Benzene | ND< 0.700 |
| n-Butylbenzene | ND< 2.00 |
| sec-Butylbenzene | ND< 2.00 |
| tert-Butylbenzene | ND< 2.00 |
| Ethylbenzene | ND< 2.00 |
| n-Propylbenzene | ND< 2.00 |
| Isopropylbenzene | ND< 2.00 |
| p-Isopropyltoluene | ND< 2.00 |
| Naphthalene | ND< 5.00 |
| Toluene | ND< 2.00 |
| 1,2,4-Trimethylbenzene | ND< 2.00 |
| 1,3,5-Trimethylbenzene | ND< 2.00 |
| m,p-Xylene | ND< 2.00 |
| o-Xylene | ND< 2.00 |
| Miscellaneous | |
| Methyl tert-butyl Ether | ND< 2.00 |

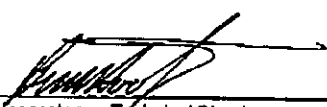
ELAP Number 10958

Method: EPA 8021

Data File: 11794.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V5.XLS

Volatile Analysis Report for Non-potable Water

Client: TVGA Consultants

Client Job Site: West End
Development Site
Client Job Number: 001109201
Field Location: MW-4
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 02-2157
Lab Sample Number: 7871
Date Sampled: 08/26/2002
Date Received: 08/27/2002
Date Analyzed: 08/30/2002

| Halocarbons | Results in ug / L |
|---------------------------|-------------------|
| Bromodichloromethane | ND< 2.00 |
| Bromomethane | ND< 2.00 |
| Bromoform | ND< 2.00 |
| Carbon tetrachloride | ND< 2.00 |
| Chloroethane | ND< 2.00 |
| Chloromethane | ND< 2.00 |
| 2-Chloroethyl vinyl ether | ND< 2.00 |
| Chloroform | ND< 2.00 |
| Dibromochloromethane | ND< 2.00 |
| 1,1-Dichloroethane | ND< 2.00 |
| 1,2-Dichloroethane | ND< 2.00 |
| 1,1-Dichloroethene | ND< 2.00 |
| cis-1,2-Dichloroethene | ND< 2.00 |
| trans-1,2-Dichloroethene | ND< 2.00 |
| 1,2-Dichloropropane | ND< 2.00 |
| cis-1,3-Dichloropropene | ND< 2.00 |
| trans-1,3-Dichloropropene | ND< 2.00 |
| Methylene chloride | ND< 5.00 |
| 1,1,2,2-Tetrachloroethane | ND< 2.00 |
| Tetrachloroethene | ND< 2.00 |
| 1,1,1-Trichloroethane | ND< 2.00 |
| 1,1,2-Trichloroethane | ND< 2.00 |
| Trichloroethene | ND< 2.00 |
| Trichlorofluoromethane | ND< 2.00 |
| Vinyl Chloride | ND< 2.00 |

| Aromatics | Results in ug / L |
|---------------------|-------------------|
| Benzene | ND< 0.700 |
| Chlorobenzene | ND< 2.00 |
| Ethylbenzene | ND< 2.00 |
| Toluene | ND< 2.00 |
| m,p - Xylene | ND< 2.00 |
| o - Xylene | ND< 2.00 |
| Styrene | ND< 2.00 |
| 1,2-Dichlorobenzene | ND< 2.00 |
| 1,3-Dichlorobenzene | ND< 2.00 |
| 1,4-Dichlorobenzene | ND< 2.00 |

| Ketones | Results in ug / L |
|----------------------|-------------------|
| Acetone | ND< 10.0 |
| 2-Butanone | ND< 5.00 |
| 2-Hexanone | ND< 5.00 |
| 4-Methyl-2-pentanone | ND< 5.00 |

| Miscellaneous | Results in ug / L |
|------------------|-------------------|
| Carbon disulfide | ND< 5.00 |
| Vinyl acetate | ND< 5.00 |

ELAP Number 10958

Method: EPA 8260B

Data File: 01444.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V6.XLS

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: TVGA Consultants Lab Project No.: 02-2157
Client Job Site: West End Development Site Lab Sample No.: 7876
Client Job No.: 001109201 Sample Type: Water
Field Location: MW-4 Date Sampled: 08/26/2002
Field ID No.: N/A Date Received: 08/27/2002

Laboratory Report for RCRA Analysis

| Parameter | Date Analyzed | Analytical Method | Result (mg/L) |
|-----------|---------------|-------------------|---------------|
| Arsenic | 08/30/2002 | EPA 6010 | 0.029 |
| Barium | 08/30/2002 | EPA 6010 | 0.286 |
| Cadmium | 08/30/2002 | EPA 6010 | <0.005 |
| Chromium | 08/30/2002 | EPA 6010 | 0.037 |
| Lead | 08/30/2002 | EPA 6010 | 0.018 |
| Mercury | 09/04/2002 | EPA 7470 | <0.0002 |
| Selenium | 08/30/2002 | EPA 6010 | <0.005 |
| Silver | 08/30/2002 | EPA 6010 | <0.010 |

ELAP ID No.:10956

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022157

Semi-Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

| | | | |
|---------------------------|------------------|----------------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2157 |
| | Development Site | Lab Sample Number: | 7872 |
| Client Job Number: | 001108201 | | |
| Field Location: | MW-1 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/30/2002 |

| Base / Neutrals | Results in ug / L |
|--------------------------|-------------------|
| Acenaphthene | ND< 10.0 |
| Anthracene | ND< 10.0 |
| Benzo (a) anthracene | ND< 10.0 |
| Benzo (a) pyrene | ND< 10.0 |
| Benzo (b) fluoranthene | ND< 10.0 |
| Benzo (g,h,i) perylene | ND< 10.0 |
| Benzo (k) fluoranthene | ND< 10.0 |
| Chrysene | ND< 10.0 |
| Dibenz (a,h) anthracene | ND< 10.0 |
| Fluoranthene | ND< 10.0 |
| Fluorene | ND< 10.0 |
| Indeno (1,2,3-cd) pyrene | ND< 10.0 |
| Naphthalene | ND< 10.0 |
| Phenanthrene | ND< 10.0 |
| Pyrene | ND< 10.0 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5474.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157S1.XLS

Semi-Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

| | | | |
|---------------------------|------------------|----------------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2157 |
| | Development Site | Lab Sample Number: | 7873 |
| Client Job Number: | 001109201 | | |
| Field Location: | MW-2 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/30/2002 |

| Base / Neutrals | Results in ug / L |
|--------------------------|-------------------|
| Acanaphthene | ND< 10.0 |
| Anthracene | ND< 10.0 |
| Benzo (a) anthracene | ND< 10.0 |
| Benzo (a) pyrene | ND< 10.0 |
| Benzo (b) fluoranthene | ND< 10.0 |
| Benzo (g,h,i) perylene | ND< 10.0 |
| Benzo (k) fluoranthene | ND< 10.0 |
| Chrysene | ND< 10.0 |
| Dibenz (a,h) anthracene | ND< 10.0 |
| Fluoranthene | ND< 10.0 |
| Fluorene | ND< 10.0 |
| Indeno (1,2,3-cd) pyrene | ND< 10.0 |
| Naphthalene | ND< 10.0 |
| Phenanthrene | ND< 10.0 |
| Pyrene | ND< 10.0 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5475.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Sample exhibited low surrogate recoveries. Possible matrix interference.

Signature:


Bruce Hoogesteger, Technical Director

Semi-Volatile STARS Analysis Report for Non-potable Water

Client: TVGA Consultants

| | | | |
|---------------------------|---------------------------|----------------------------|------------|
| Client Job Site: | West End Development Site | Lab Project Number: | 02-2157 |
| Client Job Number: | 001109201 | Lab Sample Number: | 7874 |
| Field Location: | MW-3 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/30/2002 |

| Base / Neutrals | Results in ug / L |
|--------------------------|-------------------|
| Acenaphthene | ND< 10.0 |
| Anthracene | ND< 10.0 |
| Benzo (a) anthracene | ND< 10.0 |
| Benzo (a) pyrene | ND< 10.0 |
| Benzo (b) fluoranthene | ND< 10.0 |
| Benzo (g,h,i) perylene | ND< 10.0 |
| Benzo (k) fluoranthene | ND< 10.0 |
| Chrysene | ND< 10.0 |
| Dibenz (a,h) anthracene | ND< 10.0 |
| Fluoranthene | ND< 10.0 |
| Fluorene | ND< 10.0 |
| Indeno (1,2,3-cd) pyrene | ND< 10.0 |
| Naphthalene | ND< 10.0 |
| Phenanthrene | ND< 10.0 |
| Pyrene | ND< 10.0 |

ELAP Number 10956

Method: EPA 8270D

Data File: 5476.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Non-potable Water (B/N Fraction)

Client: **TVGA Consultants**

| | | | |
|--------------------|------------------|---------------------|------------|
| Client Job Site: | West End | Lab Project Number: | 02-2157 |
| | Development Site | Lab Sample Number: | 7875 |
| Client Job Number: | 001109201 | | |
| Field Location: | MW-4 | Date Sampled: | 08/26/2002 |
| Field ID Number: | N/A | Date Received: | 08/27/2002 |
| Sample Type: | Water | Date Analyzed: | 08/30/2002 |

| Base / Neutrals | Results in ug / L | Base / Neutrals | Results in ug / L |
|------------------------------|-------------------|-------------------------------|-------------------|
| Acenaphthene | ND< 10.0 | Dibenz (a,h) anthracene | ND< 10.0 |
| Anthracene | ND< 10.0 | Fluoranthene | ND< 10.0 |
| Benzo (a) anthracene | ND< 10.0 | Fluorene | ND< 10.0 |
| Benzo (a) pyrene | ND< 10.0 | Indeno (1,2,3-cd) pyrene | ND< 10.0 |
| Benzo (b) fluoranthene | ND< 10.0 | Naphthalene | ND< 10.0 |
| Benzo (g,h,i) perylene | ND< 10.0 | Phenanthrene | ND< 10.0 |
| Benzo (k) fluoranthene | ND< 10.0 | Pyrene | ND< 10.0 |
| Chrysene | ND< 10.0 | Acenaphthylene | ND< 10.0 |
| Diethyl phthalate | ND< 10.0 | 1,2-Dichlorobenzene | ND< 10.0 |
| Dimethyl phthalate | ND< 25.0 | 1,3-Dichlorobenzene | ND< 10.0 |
| Butylbenzylphthalate | ND< 10.0 | 1,4-Dichlorobenzene | ND< 10.0 |
| Di-n-butyl phthalate | ND< 10.0 | 1,2,4-Trichlorobenzene | ND< 10.0 |
| Di-n-octylphthalate | ND< 10.0 | Nitrobenzene | ND< 10.0 |
| Bis (2-ethylhexyl) phthalate | ND< 10.0 | 2,4-Dinitrotoluene | ND< 10.0 |
| 2-Chloronaphthalene | ND< 10.0 | 2,6-Dinitrotoluene | ND< 10.0 |
| Hexachlorobenzene | ND< 10.0 | Bis (2-chloroethyl) ether | ND< 10.0 |
| Hexachloroethane | ND< 10.0 | Bis (2-chloroisopropyl) ether | ND< 10.0 |
| Hexachlorocyclopentadiene | ND< 10.0 | Bis (2-chloroethoxy) methane | ND< 10.0 |
| Hexachlorobutadiene | ND< 10.0 | 4-Bromophenyl phenyl ether | ND< 10.0 |
| N-Nitroso-di-n-propylamine | ND< 10.0 | 4-Chlorophenyl phenyl ether | ND< 10.0 |
| N-Nitrosodiphenylamine | ND< 10.0 | Benzidine | ND< 25.0 |
| N-Nitrosodimethylamine | ND< 10.0 | 3,3'-Dichlorobenzidine | ND< 10.0 |
| Isophorone | ND< 10.0 | 4-Chloroaniline | ND< 10.0 |
| Benzyl alcohol | ND< 25.0 | 2-Nitroaniline | ND< 25.0 |
| Dibenzofuran | ND< 10.0 | 3-Nitroaniline | ND< 25.0 |
| 2-Methylnaphthalene | ND< 10.0 | 4-Nitroaniline | ND< 25.0 |

ELAP Number 10958

Method: EPA 8270D

Data File: 5477.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022157V4.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME:
WEST END
Development Site

| | | | |
|--------------------------------|---------------------|-------------------|-----------|
| REPORT TO: | | INVOICE TO: | |
| COMPANY: | TV&A CONSULTANTS | COMPANY: | Same |
| ADDRESS: | 200 HARRISON STREET | ADDRESS: | |
| CITY: | JAMESBURG NY | CITY: | |
| STATE: | NY | STATE: | |
| ZIP: | 14701 | ZIP: | |
| PHONE: | 716-467-3133 | PHONE: | |
| FAX: | 716-467-3132 | FAX: | |
| ATTN: | David McCreary | ATTN: | |
| COMMENTS: | | COMMENTS: | |
| LAB PROJECT #: | 02-2157 | CLIENT PROJECT #: | 001109201 |
| TURNAROUND TIME (WORKING DAYS) | | | |
| STO | | OTHER | |
| 1 2 3 5 | | | |

| DATE | TIME | COMPOSITE | GRADES | SAMPLE LOCATION/FIELD ID | MATERIALS | CONTAMINANTS | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------|---------|-----------|--------|--------------------------|-----------|--------------|--|---------|----------------------------|
| 1/26/02 | 7:20AM | | | MW-1 | L | 2 | TEL 1615 8240 BASE/METALS 8270 RECEIVED METALS | | 7868 |
| 2/26/02 | 8:50AM | | | MW-2 | L | 2 | STARS VOL 5 8271 STARS SEMI- | | 7869 |
| 3/26/02 | 9:20AM | | | MW-3 | L | 2 | | | 7870 |
| 4/26/02 | 10:00AM | | | MW-4 | L | 2 | X | | 7871 |
| 5/26/02 | 7:20AM | | | MW-1 | L | 1 | | | 7872 |
| 6/26/02 | 8:50AM | | | MW-2 | L | 1 | | | 7873 |
| 7/26/02 | 9:20AM | | | MW-3 | L | 1 | | | 7874 |
| 8/26/02 | 10:00AM | | | MW-4 | L | 1 | X | | 7875 |
| 9/26/02 | 10:00AM | | | MW-4 | L | 1 | X | | 7876 |
| 10/26/02 | 10:15AM | | | TRIP BANK | L | 1 | X | | 7877 |

SAMPLE CONDITION: Check box if acceptable or note deviation: ☐ CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: *W.L. McCreary* Date/Time: 6/26/02 Relinquished By: *12 Metts at 10:00* Date/Time: 10/26/02

Relinquished By: *W.L. McCreary* Date/Time: 6/26/02 Received By: *John J. McCreary* Date/Time: 8/27/02

Received By: *John J. McCreary* Date/Time: 8/27/02

Total Cost: *101.00*

P.L.F. ☐

ATTACHMENT 06 B

APRIL 2003 PHASE II ENVIRONMENTAL INVESTIGATION

MAY 01 2003



001109201
April 29, 2003

City of Jamestown Dept. of Development
Municipal Building
Jamestown, New York 14701

Attn: Mr. Steve Centi
Director

Re: Contaminated Soil/Fill Investigation at the
West End Development Site
Jamestown, New York

Dear Mr. Centi:

This letter report presents information relating to the contaminated soil/fill investigation performed at the West End Development site in Jamestown, NY. The scope of services for this investigation was developed based upon the results of the Phase I and Phase II Environmental Site Assessments (ESAs) of the subject site previously completed by TVGA Consultants (TVGA). As a result of the Phase II ESA, soil/fill materials containing concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) that exceeded the NYSDEC recommended soil cleanup objectives were detected in one of the eight test borings (TB-3). Test boring TB-3 was installed in parking area located in the east-central portion of the site, 21' south the former Donut Connection restaurant. TVGA and a drilling subcontractor, in accordance with our proposal, advanced seventeen (17) test probes at the West End Development Site on March 28, 2003. These test probes were installed to delineate the horizontal and vertical extent of soil/fill contamination identified as a result of the previous Phase II ESA and to chemically profile this fill material to determine disposal options.

All soil samples were screened for total organic vapors (TOVs) using a photoionization detector (PID). A total of five (5) samples were selected for chemical analysis. One (1) sample was selected from a test probe located in close proximity to TB-3 to confirm the presence of the contaminated soil interval. Four (4) samples were selected from test probes that exhibited no or low organic vapors in an effort to delineate the aerial extent of the contaminated soils/fill identified in TB-3. All five (5) soil samples were analyzed for the semi-volatile compounds listed in Table 2 of the Spill Technology and Remediation Series (STARS) Memo No. 1, published by the New York State Department of Environmental Conservation (NYSDEC), using EPA Method 8270. Additionally, one (1) soil sample exhibiting the highest contaminant levels based on the 8270 analysis was analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Acid-Base-Neutrals, using EPA Method 8270 in an effort to profile the contaminated material for disposal at a NYSDEC approved solid waste facility. A New York State Department of Health (NYSDOH) certified laboratory performed the chemical analysis of all selected samples.

Included as part of this letter report is a USGS site location map (Figure 1); a site plan of the West End Development Site (Figure 2), and a plan depicting the location of the former on-site buildings and the area surrounding TB-3 (Figure 3), where the test probes were installed. Also included within this letter report are test probe logs, tables that present the headspace results for the test probes from which samples were selected for chemical analysis, the chain of custody records, and the analytical laboratory results.

METHODS OF INVESTIGATION

A total of seventeen (17) test probes were installed on the project site using a truck mounted pneumatic probing unit on March 28, 2003. All drilling activities were performed under Level D health and safety specifications, and were supervised and documented by an experienced scientist equipped with a MiniRae photo ionization detector (PID), for monitoring organic vapors in the breathing zone.

The test probes were advanced through unconsolidated geologic material to a maximum depth of 8 feet below ground surface (bgs), or refusal. The sampling device was a two-inch inner diameter (I.D.) macro core sampler which consisted of a 4 foot long hollow tube that is lined with a disposable 4 foot long acetate liner, and was equipped with a hardened steel probing tip.

Macro core samplers were steam cleaned prior to use on-site and were decontaminated with a detergent wash and potable water rinse prior to the collection of each sample. Wash fluids were allowed to infiltrate the ground surface of the site in the vicinity where each soil-boring and decontamination occurred. Excess soil was returned to the boringholes from which they were removed.

Upon retrieval, each soil sample was classified, directly screened for TOVs, and a representative sample was placed in a zip lock plastic bag for headspace analysis. Headspace analysis was completed with the PID by placing the probe tip through the zip lock opening to measure TOVs in the void. The peak TOV concentration for the headspace screening, in parts per million (ppm) for each sample was recorded. Boring logs presenting information concerning drilling parameters, lithologic descriptions, and TOV screening results are provided in Attachment A.

The subsurface conditions encountered during the course of this investigation were generally consistent with those conditions identified during the Phase II ESA previously completed TVGA. Fill materials consisting of gravel, sand, silt, clay, ash, brick, coal and concrete were encountered at the ground surface or directly below the asphalt paving that covers most of the project site. Native soil consisting of silt or clayey silt was typically encountered below the fill material.

The first test probe, GP-1, was installed 2' west of TB-3 in an effort to confirm the location of the contaminated soils identified as a result of the previous Phase II ESA. The samples extracted from the test probe revealed the presence of an interval of fill material at a depth of 4-6' below ground surface (bgs) that exhibited a slight solvent odor. A sample from this interval was selected for chemical analysis. This interval was previously sampled in test boring TB-3, where SVOCs were detected at concentrations that exceeded the NYSDEC guidance levels. Native soil consisting of clayey silt was encountered below the fill material. No elevated TOV levels, visual or olfactory evidence of contamination was observed in the native soil.

Test probes GP-2 and GP-3 were installed in an effort to delineate the eastern limits of the contaminated fill. Test probe GP-3 was installed 2' east of TB-3 and was refused at a depth of 3.5'. Test probe GP-2 was installed 5' west of TB-3 and was refused at a depth of 1.25'. Neither of these test probes penetrated the interval of contaminated fill. Both test probes recovered concrete fragments at refusal indicating the potential presence of buried construction debris or former building foundations along the east boundary of the site. Due to the proximity of the eastern boundary of the site with respect to the location of test probes GP-2 and GP-3, no further attempt was made to delineate the eastern limits of the contaminated fill.

The location of test probes GP-4 and GP-5 was selected in an effort to determine the western limits of the contaminated soil/fill. Test probe GP-4 was located 5' west of TB-3 and encountered soil/fill materials from 0-6' bgs overlying native soil materials. Elevated TOV levels were detected in the sample collected over the 4-6 bgs interval from test probe GP-4 during head space screening,

indicating the presence of potentially contaminated soil/fill. Test probe GP-5 was located 15' west of TB-3 and encountered similar subsurface conditions, however, direct and head space screening did not detect the presence of elevated TOV levels from any interval. A sample from test probe GP-5 was selected to delineate the western limits of the contaminated soil.

To delineate the southern limits of the contaminated fill area, test probes GP-6 and GP-7 were installed 5' and 15' south of TB-3, respectively. Test probe GP-7 was refused at a depth of 1.75' bgs. Test probe GP-6 encountered soil/fill materials from 0-6' bgs overlying native soil materials. Direct and head space screening did not detect the presence of elevated TOV levels from any interval of test probe GP-6. A sample from test probe GP-6 was selected to delineate the southern limits of the contaminated soil.

The location of test probes GP-8 and GP-9 was selected in an effort to determine the northern limits of the contaminated soil/fill. Test probe GP-8 was located 5' north of TB-3 and encountered soil/fill materials from 0-6' bgs overlying native soil materials. Test probe GP-9 was located 10' north of TB-3 and was refused a depth of 1.75'. Direct and head space screening from test probes GP-8 and GP-9 did not detect the presence of elevated TOV levels from any interval.

Test probes GP-12, GP-10 and GP-11 were installed 5', 7', and 15' northwest of test boring TB-3. Elevated TOV levels were detected in direct and/or head space screening from the interval 0-6' bgs in test probes GP-10 and GP-12. Additionally, a slight solvent odor and stains were observed in the samples extracted from test probe GP-10. Native soil consisting of clayey silt was encountered below the fill material. No elevated TOV levels, visual or olfactory evidence of contamination was observed in the native soil. Direct and head space screening did not detect the presence of elevated TOV levels from any interval of test probe GP-11. A sample from test probe GP-11 was selected to delineate the northern limits of the contaminated soil.

The recent demolition of the former Donut Connection building provided an opportunity investigate subsurface conditions in the area north of test boring TB-3. This former restaurant facility was located approximately 21' north of test boring TB-3 and was open for business during previous subsurface investigation. Test probes GP-13, GP-14, GP-15, GP-16 and GP-17 were installed within the footprint of the former structure, or in parking areas that were not previously accessible. Again, the subsurface conditions encountered in these locations were generally consistent with those conditions identified in the previous investigation and with subsurface conditions encountered in the vicinity of test boring TB-3. Direct and head space screening from the above noted test probes did not detect the presence of elevated TOV levels from any interval. A sample from test probe GP-15 was collected from the 4-6' bgs interval for chemical analysis.

The direct screening and head space results for GP-1, GP-5, GP-6, GP-11 and GP-15 are presented in the following table:

TABLE 1

| TOTAL ORGANIC VAPOR SCREENING RESULTS (ppm) | | | | | | | | | | |
|--|----------------------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| INTERVAL SAMPLED | TEST PROBE LOCATION | | | | | | | | | |
| | GP-1 | | GP-5 | | GP-6 | | GP-11 | | GP-15 | |
| | DIRECT | HEAD | DIRECT | HEAD | DIRECT | HEAD | DIRECT | HEAD | DIRECT | HEAD |
| 0-4' | 0.0 | 0.7 | 0.0 | 0.3 | 0.1 | 0.7 | 0.0 | 0.3 | 0.0 | 0.3 |
| 4-6' | 0.5 | 1.1 | 0.1 | 0.3 | 0.1 | 0.7 | 0.0 | 0.4 | 0.0 | 0.3 |
| 6-8' | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | |

LABORATORY RESULTS

The chain of custody records are included as Attachment B and the complete laboratory report containing the analytical results from the soil/fill samples is presented in Attachment C. One (1) soil sample was collected from test probe GP-1, which was located 2.0' west of TB-3. The sample from the 4-6' bgs interval was selected because it exhibited a slight solvent odor and coincided with the same interval where contaminated soil/fill was previously detected in test boring TB-3. Chemical analysis revealed the presence of two (2) STARS List SVOCs. The PAH compounds identified were fluoranthene and pyrene, which were detected at levels below the NYSDEC recommended cleanup objectives. These two (2) compounds were among the eleven (11) SVOCs previously detected in test boring TB-3.

Test probes GP-5, GP-6 and GP-11 were located on the periphery of the test probes in which elevated TOV levels and/or olfactory evidence of contamination was encountered. One (1) sample was selected from each of these three (3) test probes from the 4-6' bgs interval in an effort to delineate the northern, western and southern extent or limits of the contaminated soil/fill. No visual or olfactory evidence of contamination was noted from any interval within these test probes. No STARS List SVOCs were detected in any of the three (3) samples collected from these test probes.

Test probes GP-14, GP-15, GP-16, and GP-17 were installed within the footprint of the former Donut Connection structure and/or parking areas not accessible during the previous investigation. No visual or olfactory evidence of contamination, or elevated TOV levels were observed in these test probes. A representative sample from GP-15 was collected from the 4-6' bgs interval for chemical analysis. No STARS List SVOCs were detected in the sample collected from this test probe.

As reflected by Table 2, the confirmatory sample collected from test probe GP-1 contained detectable concentrations of only two (2) SVOCs, while no detectable concentrations of SVOCs were observed in the delineation samples collected from GP-5, GP-6, GP-11 or GP-15.

TABLE 2

| ANALYTICAL LABORATORY RESULTS (ppb) | | | | | | |
|---|----------------------------|---------------------|---------------------|----------------------|----------------------|---|
| PARAMETER (Detected Compounds Only) | TEST PROBE LOCATION | | | | | NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES |
| | GP-1 S-2 | GP-5 S-2 | GP-6 S-2 | GP-11 S-2 | GP-15 S-2 | |
| Acenaphthene | ND | ND | ND | ND | ND | 50,000 |
| Anthracene | ND | ND | ND | ND | ND | 50,000 |
| Benzo (a) anthracene | ND | ND | ND | ND | ND | 50,000 |
| Benzo (a) pyrene | ND | ND | ND | ND | ND | 224 or MDI |
| Benzo (b) fluoranthene | ND | ND | ND | ND | ND | 1,100 |
| Benzo (g,h,i) perylene | ND | ND | ND | ND | ND | 50,000 |
| Benzo (k) fluoranthene | ND | ND | ND | ND | ND | 1,100 |
| Chrysene | ND | ND | ND | ND | ND | 400 |
| Dibenzo (a,h) anthracene | ND | ND | ND | ND | ND | 14 or MDI |
| Fluoranthene | 2,170 | ND | ND | ND | ND | 50,000 |
| Fluorene | ND | ND | ND | ND | ND | 50,000 |
| Ideno (1,2,3-cd) pyrene | ND | ND | ND | ND | ND | 3,200 |
| Napthalene | ND | ND | ND | ND | ND | 1,300 |
| Phenanthrene | ND | ND | ND | ND | ND | 50,000 |
| Pyrene | 2,310 | ND | ND | ND | ND | 50,000 |

Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM) *Determination of Soil Cleanup Objectives and Cleanup Levels* (HWR-92-4046) as amended January 11, 2001
ND: Not Detected

The highest concentration of PAHs detected by the 8270 analysis was from the sample collected from test probe GP-1, this sample was also analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Acid-Base-Neutrals, using EPA Method 8270 in an effort to profile the contaminated material for disposal at an approved solid waste facility. The analysis of the extract produced by the sample from test GP-1 did not reveal detectable concentrations of any of the eleven (11) targeted SVOC compounds.

CONCLUSIONS

An investigation of the extent of the contaminated fill previously detected at the West End Development site was performed by TVGA. The objective of this investigation was to delineate the horizontal and vertical extent of PAH contaminated soil/fill identified as a result of a previous Phase II ESA and to chemically profile this soil/fill material to determine disposal options. The scope of the field program performed in association with this investigation included the installation of seventeen (17) test probes; screening of soils extracted during the test probe installations for total organic vapors; and chemical analysis of soil/fill samples from these test probes.

The visual and olfactory evidence, field screening results and analytical data generated during the course of this contaminated soil/fill investigation indicated the presence of localized PAH contamination in soil/fill in the immediate vicinity of test boring TB-3, which was previously installed in the east-central portion of the site. Based on the field screening of soils and the laboratory results of the soil/fill samples taken, the areal extent of contamination in this area has been defined. The area of contamination associated with test boring TB-3 is demarcated on the east by Washington Street, on the south by test probe GP-6, on the west by test probe GP-5 and on the north by test probe GP-11. The area defined by these probes and limits is rectangular in shape, being approximately 25' by 15' in size (see Figure 3). The vertical extent of the contaminated soil/fill ranges from ground surface to a

depth of approximately 6' bgs. As such, the volume of contaminated soil/fill delineated by this investigation is estimated to be approximately 85 cubic yards or less.

The chemical analysis of the sample collected from test probe GP-1 for Toxicity Characteristic Leaching Procedure (TCLP) Acid-Base-Neutrals, using EPA Method 8270 indicated that the PAH contaminated soil/fill does not meet the criteria for hazardous waste as defined by 40 CFR 261.21, and therefore disposal at a permitted Subtitle D (non-hazardous solid waste) landfill is a viable option.

Based upon the concentrations and characteristics of the contaminants detected in shallow fill on the project site, the physical and hydrogeological conditions at the site, and the fact that businesses in the site vicinity are serviced by a municipal water supply system, no complete human exposure pathways exist under the current use scenario. However, should the contaminated fill materials be exposed or excavated in conjunction with construction activities during site redevelopment, an exposure risk to the construction workers and the general public in the surrounding area from the inhalation of contaminated dust and/or dermal contact could result. Consequently, TVGA recommends that the following pre-cautions be taken during redevelopment of the site:

- Perform air monitoring during the excavation of the fill material;
- Employ dust suppression measures for areas of exposed fill;
- Cover the fill material with asphalt and/or concrete building slabs; and
- Disposal of excavated fill material that will not be used on-site in an appropriately permitted off-site disposal facility.

Although the NYSDEC indicated their general concurrence with these recommendations in previous informal discussions that were held following their review of the Phase I ESA Report, the Department has stated that said measures must be conducted under a Voluntary Cleanup Agreement in order to obtain formal NYSDEC approval.

LIMITATIONS

The conclusions presented in this report are based upon information gathered in accordance with the Scope of Services contracted by the Client using generally accepted professional consulting principles and practices. Information provided by outside sources (e.g., agencies, laboratories, etc.), as cited herein, was used in the assessment of the site. The accuracy of the conclusions drawn from this assessment is, therefore, dependent upon the accuracy of information provided by these sources. Furthermore, TVGA is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to the performance of services.

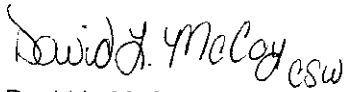
This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based upon the facts currently available within the limits of the existing data, scope of services, budget and schedule. To the extent that more definitive conclusions are desired by the Client than are warranted by the current available facts, it is specifically TVGA's intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action except where explicitly stated as such. TVGA makes no warranties, expressed or implied including without limitation, warranties as to merchantability or fitness of a particular purpose. Furthermore, the information provided in this report is not to be construed as legal advice. This Contaminated Soil/Fill Investigation and related letter report have been conducted and prepared on behalf of and for the exclusive use of the City of Jamestown, and authorized parties thereof.

City of Jamestown Department of Development
Attn: Mr. Steve Centi
April 29, 2003
Page 7

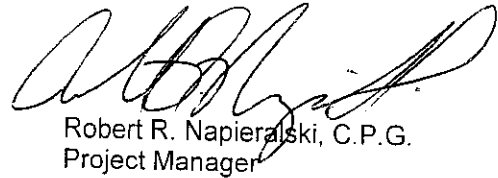
Should you have any questions concerning this submittal, please call.

Very truly yours,

TVGA CONSULTANTS

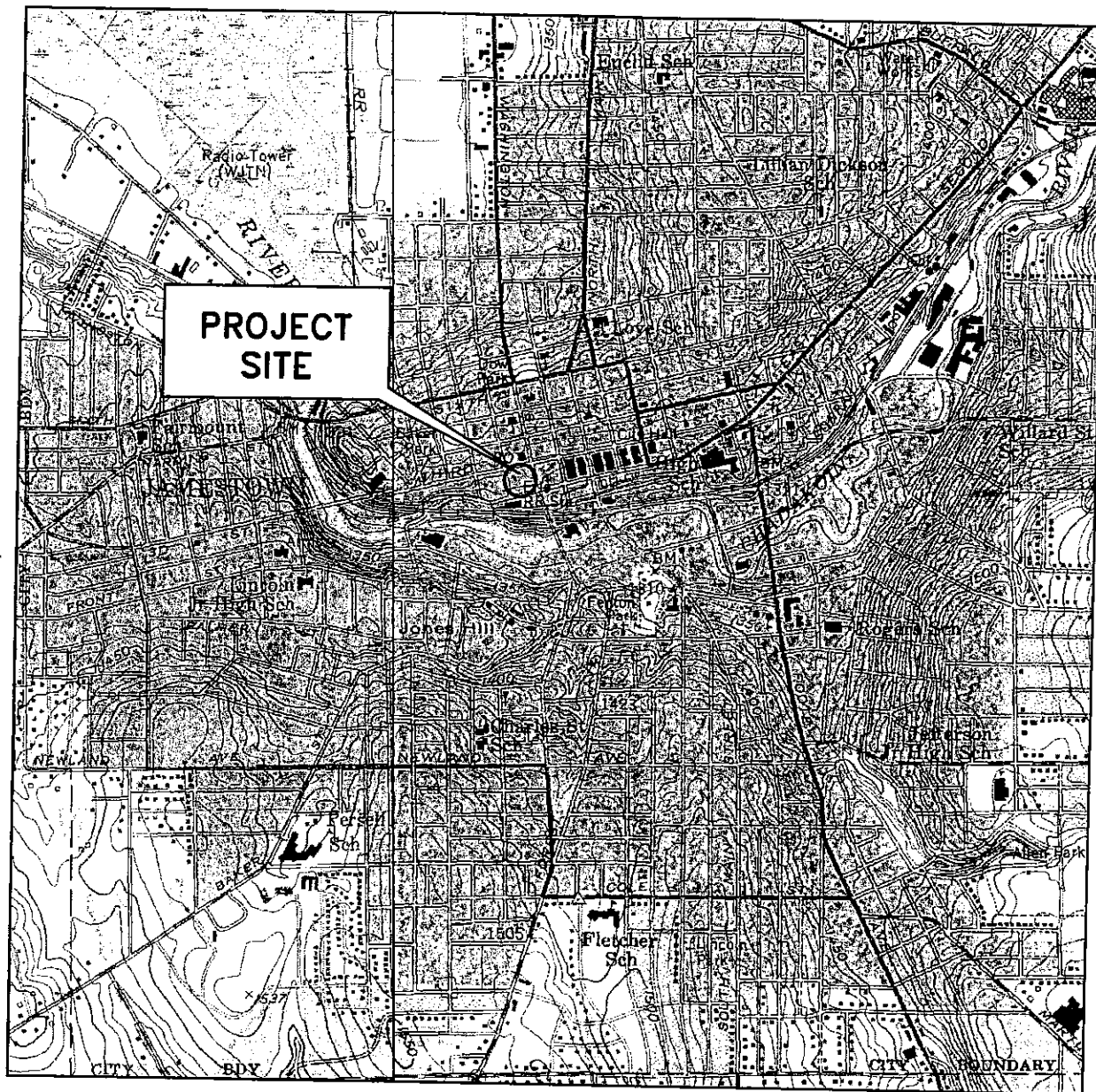
Handwritten signature of David L. McCoy in cursive script.

David L. McCoy
Project Scientist
DLM:dIm

Handwritten signature of Robert R. Napieralski in cursive script.

Robert R. Napieralski, C.P.G.
Project Manager

cc: Jeff Lehman
001109201
ecf



BASE MAP ADAPTED FROM
U.S. GEOLOGICAL SURVEY
ELLERY/JAMESTOWN, N.Y. QUADRANGLE

USGS TOPOGRAPHIC MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

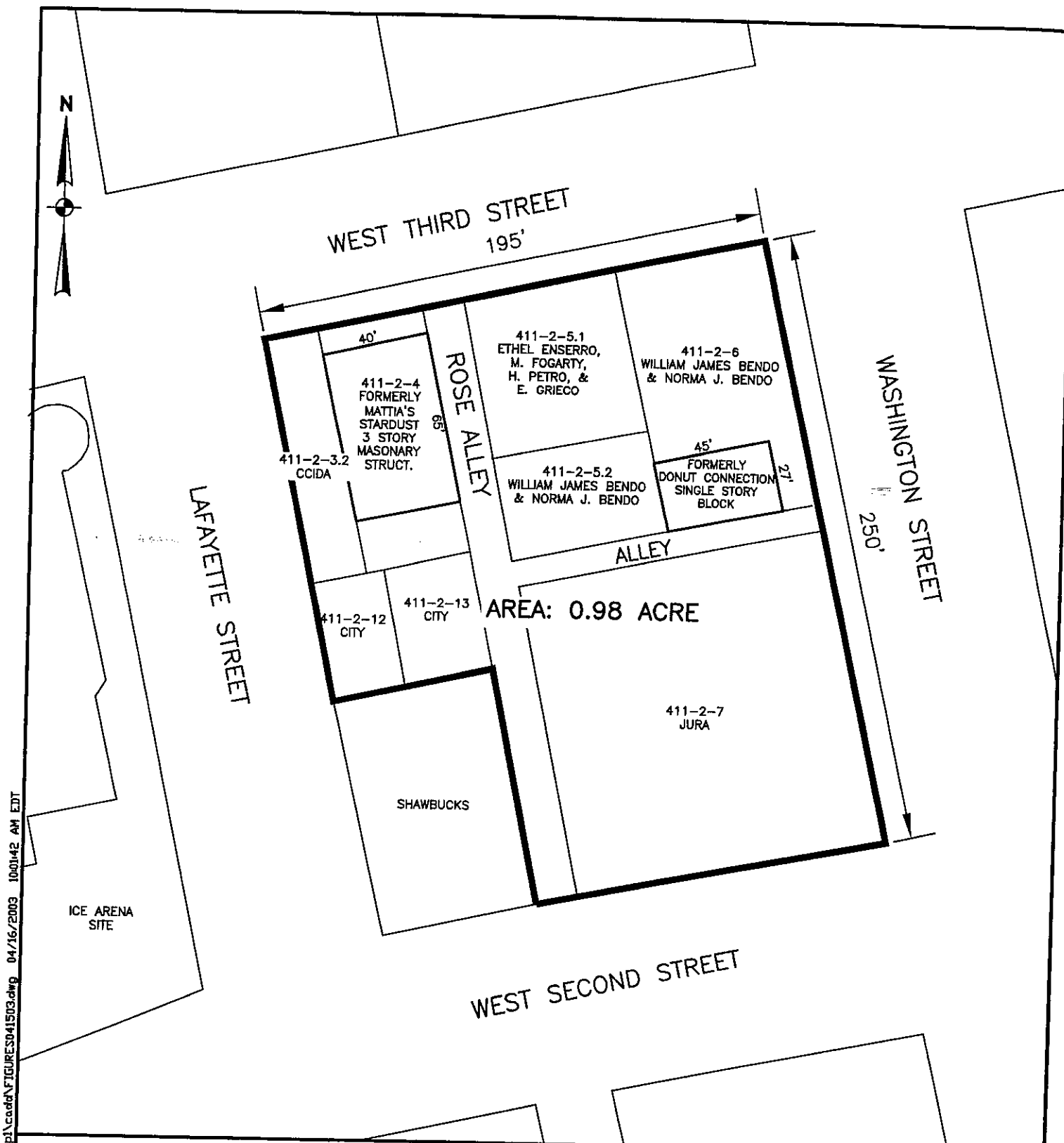
PROJECT NO. 001109201

SCALE: 1" = 2000'

DATE: APRIL 2003

FIGURE NO. 1

S:\engineering\001109201-west end devt.pl\cadd\FIGURES\041503.dwg 04/16/2003 10:01:42 AM EDT



SITE PLAN

TVGA
CONSULTANTS
1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

PROJECT NO. 001109201

SCALE: 1" = 50'

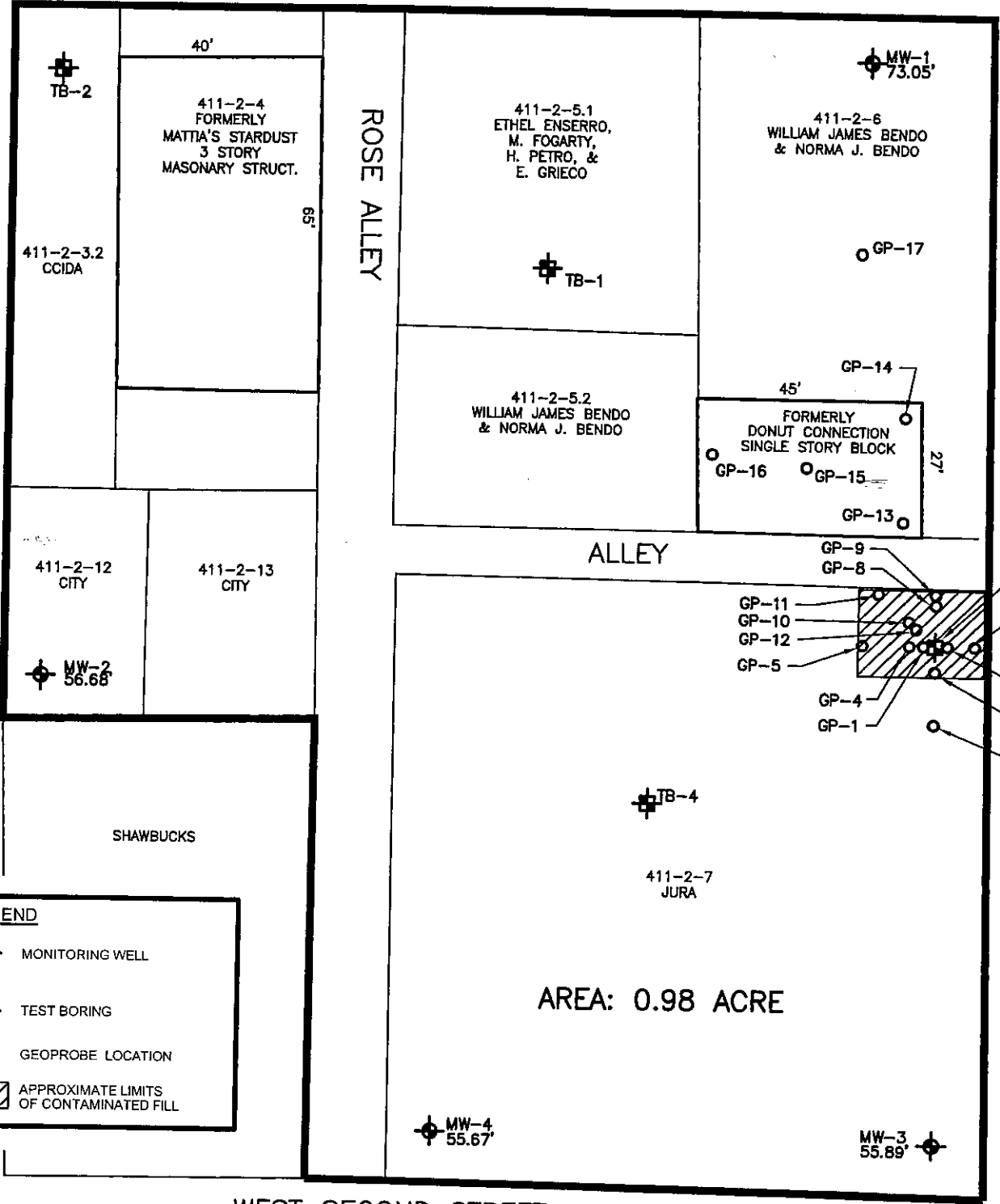
DATE: APRIL 2003

FIGURE NO. 2





WEST THIRD STREET

WASHINGTON STREET

LAFAYETTE STREET



LEGEND

-  MONITORING WELL
-  TEST BORING
-  GEOPROBE LOCATION
-  APPROXIMATE LIMITS OF CONTAMINATED FILL

WEST SECOND STREET

TEST BORING/WELL LOCATION MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

DOWNTOWN WEST END
DEVELOPMENT SITE
CITY OF JAMESTOWN
CHAUTAUQUA COUNTY, NEW YORK 14701

PROJECT NO. 001109201

SCALE: 1" = 30'

DATE: APRIL 2003

FIGURE NO. 3

ATTACHMENT A
TEST PROBE LOGS



TEST BORING LOG

HOLE NO. **GP-1**

Project: **CITY OF JAMESTOWN DEPARTMENT OF PUBLIC WORKS**
Client: **WEST END CONTAMINATED SITES ASSESSMENT**
Contractor: **NATURES WAY**

Project No. **001109201**
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date **3/27/03**
Finish Date **3/27/03**
Driller **J. NIXON**
Geologist **D. McLOY**

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type **SIMCO 2400**
Diameter **ACUTATE 1.75" MACRO 2.0**
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|---------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 32" | | Fill | 2" ASPHALT | | |
| | | | | | | GC | 30" FILL MATERIAL, BROWN PEBBLY GRADED GRAVEL, SAND, SILT & CLAY, BRICK FRAGMENTS, FIRM, DAMP | 0.0 | 0.7 |
| * | 5 | S-2 | | 30" | | Fill | 16" FILL MATERIAL, BROWN PEBBLY GRADED GRAVEL, SAND, SILT & CLAY, SLIGHT SOLVENT ODOR | 0.5 | 1.1 |
| | | | | | | ML | 22" BROWN CLAYEY SILT, DAMP, FIRM | 0.0 | |
| | 10 | | | | | | END OF BORING @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | * SAMPLE | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-2

Project: CITY OF JAMESTOWN DEPARTMENT OF RECREATION
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201

GS Elev

WS Ref Elev

N-S Coord

E-W Coord

Start Date 3/27/03

Finish Date 3/27/03

Driller J. NIXON

Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75 INCHES 2.0 INCHES
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|---------------------------------|------|
| | | | | | | | | Direct | Head |
| | | 51 | | 15" | | Fill | 3" ASPHALT 12" FILL MATERIAL, BROWN PEARLY GRADED GRAVEL, SAND, SILT & CLAY BRICK FRAGMENTS, LOOSE, DRY 1/2" CONCRETE FRAGMENTS REFUSAL @ 15" | 0.2 | 0.7 |
| | 5 | | | | | | | | |
| | 10 | | | | | | | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-3

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75 ACETATE 2.0 MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 19" | | FILL | 2" ASPHALT 17" FILL MATERIAL, BROWN GRAVEL CONCRETE FRAGMENTS | 0.2 | 1.1 |
| | 5 | | | | | | REFUSAL @ 3.5 | | |
| | 10 | | | | | | | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-4

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75 ACURATE, 2.0 MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 36" | | FILL | 3" ASPHALT 33" FILL MATERIAL, BROWN GRAVEL SAND, SILT & CLAY, DAMP, FIRM | 0.2 | 1.0 |
| | 5 | S-2 | | 46" | | FILL | 16" AS ABOVE | 0.2 | 1.0 |
| | | | | | | ML | 30" BROWN CLAYEY SILT | 0 | |
| | 10 | | | | | | END OF BORING @ 80' | | |
| | | | | | | | | | |
| | 15 | | | | | | | | |
| | | | | | | | | | |
| | 20 | | | | | | | | |
| | | | | | | | | | |
| | 25 | | | | | | | | |
| | | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-5

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SOILS ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. WIKON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75" ACETATE 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|----------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | | | | | | SIMCO 2400 | | |
| | | 5-1 | | 32" | | FI | 3" ASPHALT 29" FILL MATERIAL, BROWN GRAVEL SAND, SILT & CLAY, BRICK FRAGMENTS ASH, DAMP, LOOSE | 0.0 | 0.3 |
| * | 5 | S2 | | 46" | | FI ML | 16" FILL MATERIAL, BROWN GRAVEL SAND, SILT & CLAY, DAMP, FIRM 30" BROWN CLAY, SILT, DAMP, FIRM | 0.1 0.0 | 0.3 |
| | 10 | | | | | | BORING COMPLETE @ 81.0' | | |
| | 15 | | | | | | * SAMPLE | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-6

Project: CITY OF JAMESTOWN DEPARTMENT OF PUBLIC WORKS
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

| Groundwater Data (feet) | | | | Equipment Data | | |
|-------------------------|------|-------|------|----------------|--------------------------|------|
| Date | Time | Depth | Elev | Casing | Sampler | Core |
| | | | | Type | SIMCO 2400 | |
| | | | | Diameter | 1.75" DIAMETER 20" MACRO | |
| | | | | Weight | | |
| | | | | Fall | | |

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description SIMCO 2400 | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | | | | | | | | |
| | | S-1 | | 26" | | FILL | 2" ASPHALT | | |
| | | | | | | | 24" FILL MATERIAL, BROWN GRAVEL, SAND & SILT, BRICK FRAGMENTS, DAMP LOOSE | 0.1 | 0.7 |
| * | 5 | S-2 | | 37" | | FILL | 16" AS ABOVE | 0.1 | 0.7 |
| | | | | | | ML | 21" BROWN CLAYEY SILT, DAMP, FIRM | 0.0 | |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | * SAMPLE | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-7

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75" ACUTTER, 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|-------------------|------|
| | | | | | | | | PID Reading (ppm) | |
| | | | | | | | | Direct | Head |
| | | S-1 | | 21" | | Fill | 2" ASPHALT 19" FILL MATERIAL, BROWN GRAVEL SAND & SILT, TRACE OF ASH & BRICK FRAGMENTS | 0.1 | 0.5 |
| | 5 | | | | | | REFUSAL @ 21" | | |
| | 10 | | | | | | | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-8

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. Nixon
Geologist D. McLoe

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type
Diameter SIMCO 2400
Weight 1.75 ACETATE 2.0" MACRO
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 32" | | FIL | 3" ASPHALT 29" BROWN GRAVEL, SAND & SILT, DAMP, LOOSE | 0.1 | 0.4 |
| | 5 | S-2 | | 40" | | FIL | 20" SAME AS ABOVE | 0.0 | 0.3 |
| | | | | | | ML | 20" BROWN CLAY SILT, DAMP, FIRM | 0.0 | |
| | 10 | | | | | | BORING COMPLETE @ 8:0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-9

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURAL WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75 ASHTEK, 2.0 MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description SIMCO 2400 | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 19" | | FILL | 2" ASPHALT 17" FILL MATERIAL, BROWN-BLACK GRAVEL, SAND & SILT, BRICK FRAGS ASH, DAMP, LOOSE | 0.1 | 0.3 |
| | 5 | | | | | | REFUSAL @ 19" | | |
| | 10 | | | | | | | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-10

Project: CITY OF JAMESTOWN DEPARTMENT OF PUBLIC WORKS
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201

GS Elev

WS Ref Elev

N-S Coord

E-W Coord

Start Date 3/27/03

Finish Date 3/27/03

Driller J. NIXON

Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75" ACUTE, 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|---------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 35" | | Fill | 2" ASPHALT 33" FILL MATERIAL, BROWN GRAVEL, SAND & SILT, TRACE OF BRICK FRAGS BLACK STAINS @ 24" | 0.1 | 2.4 |
| | 5 | S-2 | | 8" | | Fill | SAME AS ABOVE SLIGHT SOLVENT ODOR REFUSAL @ 5.5' | 0.6 | 3.5 |
| | 10 | | | | | | | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-11

Project: CITY OF JAMESTOWN DEPARTMENT OF RECREATION

Client: WEST END CONTAMINATED SITES ASSESSMENT

Contractor: NATURES WAY

Project No. 001109201

GS Elev

WS Ref Elev

N-S Coord

E-W Coord

Start Date 3/27/03

Finish Date 3/27/03

Driller J. NIXON

Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400,
Diameter 1.75 ACETATE, 20 MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 30" | | | 2" ASPHALT 28" FILL MATERIAL, BROWN GRAVEL SAND & SILT, DAMP, LOOSE | 0.0 | 0.3 |
| * | 5 | S-2 | | 46" | | | 22" SAME AS ABOVE 24" BROWN CLAYY SILT, DAMP, FIRM | 0.0 | 0.4 |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | * SAMPLE | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-12

Project: CITY OF JAMESTOWN DEPARTMENT OF PUBLIC WORKS
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURE'S WAY

Project No. 001109201

GS Elev

WS Ref Elev

N-S Coord

E-W Coord

Start Date 3/27/03

Finish Date 3/27/03

Driller J. NIXON

Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.25" ALUMINUM, 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|---------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 36" | | FILL | 2" ASPHALT | | |
| | | | | | | | 34" FILL MATERIAL, BROWN GRAVEL SAND, SILT, BRICK & COAL FRAGMENTS DAMP, LOOSE | 0.0 | 1.0 |
| | 5 | S-2 | | 46" | | FILL | 16" SAME AS ABOVE | 0.0 | 1.0 |
| | | | | | | ML | 30" BROWN CLAYEY SILT, DAMP, FIRM | 0.0 | |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-13

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SMCO 2400
Diameter 1.75" ACUTER 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 16" | | Fill | 4" ASPHALT MILLINGS 12" FILL MATERIAL, BROWN GRAVEL SAND & SILT, ROOTS, DAMP, WDOSE | 0.0 | 0.3 |
| | 5 | S-2 | | 46 | | Fill | SAME AS ABOVE | 0.0 | 0.3 |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-14

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75 ACUTATE, 20" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 26" | | Fill | 2" ASPHALT MILLINGS 24" FILL MATERIAL, BROWN GRAVEL SILT & CLAY, DAMP, FIRM | 0.0 | 0.3 |
| | 5 | S-2 | | 24" | | Fill | 24" FILL MATERIAL, BROWN-BLACK GRAVEL, SAND & SILT, BRICK, GLASS & CONCRETE FRAGMENTS, DAMP, LOOSE | 0.0 | 0.3 |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. 6P-15

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURE'S WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75" ACUTE, 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 33 | | Fill | 2" ASPHALT MILLINGS 31" FILL MATERIAL, BROWN-GRAY GRAVEL, SAND, SILT & CLAY, BRICK FRAGMENTS, DAMP, FIRM | 0.0 | 0.3 |
| * | 5 | S-2 | | 34 | | Fill | 20" SAME AS ABOVE | 0.0 | 0.3 |
| | | | | | | ML | 14" BROWN CLAYEY SILT | 0.0 | |
| | 10 | | | | | | BORING COMPLETE @ E.O. | | |
| | 15 | | | | | | * SAMPLE | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



TEST BORING LOG

HOLE NO. GP-16

Project: CITY OF JAMESTOWN DEPARTMENT OF PUBLIC WORKS
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

Groundwater Data (feet)

Equipment Data

Date Time Depth Elev

Casing Sampler Core

Type SIMCO 2400
Diameter 1.75" ACUATE, 2.0" MACRO
Weight
Fall

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|---|------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 30" | | Fill | 2" ASPHALT MILLINGS 28" FILL MATERIAL, BROWN GRAVEL SILT & CLAY, COAL FRAGMENTS DAMP, FIRM | 0.0 | 0.4 |
| | 5 | S-2 | | 28" | | Fill | 28" SAME AS ABOVE | 0.0 | 0.4 |
| | 10 | | | | | | BORING COMPLETE @ 80' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |

ATTACHMENT B
CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

| | | | | | |
|-----------|--|--------------------------------|--------------|-------------------|---------|
| COMPANY: | TUGA CONSULTANTS | LAB PROJECT #: | 03-08622 | CLIENT PROJECT #: | 1109201 |
| ADDRESS: | 200 WARREN ST. | TURNAROUND TIME (WORKING DAYS) | | | |
| CITY: | WESTCHESTER, NY | STATE: | NY | ZIP: | 14701 |
| PHONE: | 716-467-3138 | FAX: | 716-467-3132 | | |
| ATTN: | DAVID L. MCG | STD | 1 | 2 | 3 |
| COMMENTS: | PLEASE RUN TCLP ACID-BASE-NEUTRALS 8270D ON ONE(1) SAMPLE WITH HIGHEST CONCENTRATION | | | | |

| DATE | TIME | COMPOSITE | GRAAB | SAMPLE LOCATION/FIELD ID | MATRIX | CONTAINER | STARS 5000 | 8270 | TCLP ACID-BASE | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|-----------|-------|-----------|-------|--------------------------|--------|-----------|------------|------|----------------|---|----------------------------|
| 1 3/27/03 | 8:30 | | X | GP-1 S-2 | S | 1 | X | | | DATE MCL 716-467-3133 | 3427 |
| 2 3/27/03 | 10:00 | | X | GP-6 S-2 | S | 1 | X | | | | 3428 |
| 3 3/27/03 | 10:00 | | X | GP-5 S-2 | S | 1 | X | | | | 3429 |
| 4 3/27/03 | 11:30 | | X | GP-11 S-2 | S | 1 | X | | | Please Call with Following Results Before Proceeding | 3430 |
| 5 3/27/03 | 3:00 | | X | GP-15 S-2 | S | 1 | X | | | Run TCLP on sample #1 with highest contaminant levels | 3431 |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

LAB USE ONLY

| | | | | | |
|--|-------------------|-----------------|-----------------|--------------------|----------------|
| SAMPLE CONDITION: Check box if acceptable or note deviation: | | CONTAINER TYPE: | PRESERVATIONS: | HOLDING TIME: | TEMPERATURE: |
| | | | | | 12°C cool |
| Sampled By: | DAVID L. MCG | Date/Time: | 3/27/03 | Relinquished By: | |
| Relinquished By: | | Date/Time: | | Received By: | |
| Received By: | Michael M. Graham | Date/Time: | 3/28/03 3:30 PM | Received @ Lab By: | Jane G. Garcia |
| | | Date/Time: | 3/31/03 10:10 | | |
| | | | | Total Cost: | |
| | | | | P.I.F. | |

ATTACHMENT C

**ANALYTICAL LABORATORY RESULTS-
SUBSURFACE SOIL**



TEST BORING LOG

HOLE NO. GP-17

Project: CITY OF JAMESTOWN DEPARTMENT OF DEVELOPMENT
Client: WEST END CONTAMINATED SITES ASSESSMENT
Contractor: NATURES WAY

Project No. 001109201
GS Elev
WS Ref Elev
N-S Coord
E-W Coord
Start Date 3/27/03
Finish Date 3/27/03
Driller J. NIXON
Geologist D. McLOY

| Groundwater Data (feet) | | | | Equipment Data | | | |
|-------------------------|------|-------|------|----------------|---------------------------|---------|------|
| Date | Time | Depth | Elev | | Casing | Sampler | Core |
| | | | | Type | SIMCO 2400 | | |
| | | | | Diameter | 1.75" ACETATE, 2.0" MACRO | | |
| | | | | Weight | | | |
| | | | | Fall | | | |

| Well Construction | Depth (feet) | Sample No. | Blows per 6" | Recovery (in.) | Log | Unified | Field Description | Remarks PID Reading (ppm) | |
|-------------------|--------------|------------|--------------|----------------|-----|---------|--|---------------------------------|------|
| | | | | | | | | Direct | Head |
| | | S-1 | | 35" | | FI | 2" ASPHALT 35" FILL MATERIAL, BROWN GRAVEL SILT & CLAY, DAMP, FIRM | 0.0 | 0.4 |
| | 5 | S-2 | | 28" | | FI | 25" SAME AS ABOVE | 0.0 | 0.4 |
| | 10 | | | | | | BORING COMPLETE @ 8.0' | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges**Client: TVGA Consultants****Client Job Site:** N/A**Lab Project Number:** 03-0862**Client Job Number:** 1109201**Lab Sample Number:** 3427**Field Location:** GP-1 S-2**Date Sampled:** 03/27/2003**Field ID Number:** N/A**Date Received:** 03/31/2003**Sample Type:** Soil**Date Analyzed:** 04/04/2003

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 1,540 |
| Anthracene | ND< 1,540 |
| Benzo (a) anthracene | ND< 1,540 |
| Benzo (a) pyrene | ND< 1,540 |
| Benzo (b) fluoranthene | ND< 1,540 |
| Benzo (g,h,i) perylene | ND< 1,540 |
| Benzo (k) fluoranthene | ND< 1,540 |
| Chrysene | ND< 1,540 |
| Dibenz (a,h) anthracene | ND< 1,540 |
| Fluoranthene | 2,170 |
| Fluorene | ND< 1,540 |
| Indeno (1,2,3-cd) pyrene | ND< 1,540 |
| Naphthalene | ND< 1,540 |
| Phenanthrene | ND< 1,540 |
| Pyrene | 2,310 |

ELAP Number 10958

Method: EPA 8270C

Data File: 10740.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 030852s1.xls



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges**Client: TVGA Consultants****Client Job Site:** N/A**Lab Project Number:** 03-0862**Client Job Number:** 1109201**Lab Sample Number:** 3428**Field Location:** GP-6 S-2**Date Sampled:** 03/27/2003**Field ID Number:** N/A**Date Received:** 03/31/2003**Sample Type:** Soil**Date Analyzed:** 04/04/2003

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 307 |
| Anthracene | ND< 307 |
| Benzo (a) anthracene | ND< 307 |
| Benzo (a) pyrene | ND< 307 |
| Benzo (b) fluoranthene | ND< 307 |
| Benzo (g,h,i) perylene | ND< 307 |
| Benzo (k) fluoranthene | ND< 307 |
| Chrysene | ND< 307 |
| Dibenz (a,h) anthracene | ND< 307 |
| Fluoranthene | ND< 307 |
| Fluorene | ND< 307 |
| Indeno (1,2,3-cd) pyrene | ND< 307 |
| Naphthalene | ND< 307 |
| Phenanthrene | ND< 307 |
| Pyrene | ND< 307 |


ELAP Number 10951

Method: EPA 8270C

Data File: 10743.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 03065252.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/SludgesClient: **TVGA Consultants**

Client Job Site: N/A

Lab Project Number: 03-0862

Lab Sample Number: 3429

Client Job Number: 1109201

Field Location: GP-5 S-2

Date Sampled: 03/27/2003

Field ID Number: N/A

Date Received: 03/31/2003

Sample Type: Soil

Date Analyzed: 04/04/2003

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 309 |
| Anthracene | ND< 309 |
| Benzo (a) anthracene | ND< 309 |
| Benzo (a) pyrene | ND< 309 |
| Benzo (b) fluoranthene | ND< 309 |
| Benzo (g,h,i) perylene | ND< 309 |
| Benzo (k) fluoranthene | ND< 309 |
| Chrysene | ND< 309 |
| Dibenz (a,h) anthracene | ND< 309 |
| Fluoranthene | ND< 309 |
| Fluorene | ND< 309 |
| Indeno (1,2,3-cd) pyrene | ND< 309 |
| Naphthalene | ND< 309 |
| Phenanthrene | ND< 309 |
| Pyrene | ND< 309 |

ELAP Number 10958

Method: EPA 8270C

Data File: 10737.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 030862S3.XLS



179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/SludgesClient: **TVGA Consultants**

Client Job Site: N/A

Lab Project Number: 03-0862

Client Job Number: 1109201

Lab Sample Number: 3430

Field Location: GP-11 S-2

Date Sampled: 03/27/2003

Field ID Number: N/A

Date Received: 03/31/2003

Sample Type: Soil

Date Analyzed: 04/04/2003

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 322 |
| Anthracene | ND< 322 |
| Benzo (a) anthracene | ND< 322 |
| Benzo (a) pyrene | ND< 322 |
| Benzo (b) fluoranthene | ND< 322 |
| Benzo (g,h,i) perylene | ND< 322 |
| Benzo (k) fluoranthene | ND< 322 |
| Chrysene | ND< 322 |
| Dibenz (a,h) anthracene | ND< 322 |
| Fluoranthene | ND< 322 |
| Fluorene | ND< 322 |
| Indeno (1,2,3-cd) pyrene | ND< 322 |
| Naphthalene | ND< 322 |
| Phenanthrene | ND< 322 |
| Pyrene | ND< 322 |

ELAP Number 10953

Method: EPA 8270C

Data File: 10738.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 030862S4.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Semi-Volatile STARS Analysis Report for Soils/Solids/SludgesClient: **TVGA Consultants**

Client Job Site: N/A

Lab Project Number: 03-0862

Client Job Number: 1109201

Lab Sample Number: 3431

Field Location: GP-15 S-2

Date Sampled: 03/27/2003

Field ID Number: N/A

Date Received: 03/31/2003

Sample Type: Soil

Date Analyzed: 04/04/2003

| Base / Neutrals | Results in ug / Kg |
|--------------------------|--------------------|
| Acenaphthene | ND< 320 |
| Anthracene | ND< 320 |
| Benzo (a) anthracene | ND< 320 |
| Benzo (a) pyrene | ND< 320 |
| Benzo (b) fluoranthene | ND< 320 |
| Benzo (g,h,i) perylene | ND< 320 |
| Benzo (k) fluoranthene | ND< 320 |
| Chrysene | ND< 320 |
| Diben: (a,h) anthracene | ND< 320 |
| Fluoranthene | ND< 320 |
| Fluorene | ND< 320 |
| Indeno (1,2,3-cd) pyrene | ND< 320 |
| Naphthalene | ND< 320 |
| Phenanthrene | ND< 320 |
| Pyrene | ND< 320 |


ELAP Number 10958

Method: EPA 8270C

Data File: 10739.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 03086235.XLS

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
 Rochester, NY 14609
 (585) 647-2530 • (800) 724-1997
 FAX: (585) 647-3311

REPORT TO: **TVEA CONSULTANTS**

INVOICE TO: **TVEA CONSULTANTS**

COMPANY: **TVEA CONSULTANTS**

ADDRESS: **200 WARDEN ST.**

CITY: **JAMESTOWN** STATE: **NY** ZIP: **14701**

PHONE: **716-467-3138** FAX: **716-467-3132**

PROJECT NAME/ESTIMATE NAME: **DAVID L. MCCOY**

COMPANY: **TVEA CONSULTANTS**

ADDRESS: **STATE**

CITY: **STATE** STATE: **STATE** ZIP: **STATE**

PHONE: **STATE** FAX: **STATE**

LAB PROJECT #: **03-6862** CLIENT PROJECT #: **1109201**

TURNAROUND TIME: (WORKING DAYS)

STD ☒ OTHER ☐

COMMENTS: **PLEASE RUN TCLP ACID-BASE NEUTRALIS 8270D ON ONE (1) SAMPLE WITH LIGHTEST CONDN**

| DATE | TIME | CONCENTRATION | GRADES | SAMPLE LOCATION/FIELD ID | MATERIALS | CONCENTRATION | STARS SOME VO | TCLP ACID-BASE NEUTRALIS 8270D | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|-----------|-------|---------------|--------|--------------------------|-----------|---------------|---------------|--------------------------------|---------------------------|----------------------------|
| 1/3/21/03 | 8:30 | OK | GP-1 | S-2 | S | 1 | X | | DAVE MCCOY | 3427 |
| 2/3/21/03 | 10:00 | OK | GP-6 | S-2 | S | 1 | X | | 716-467-3133 | 3428 |
| 3/3/21/03 | 10:00 | OK | GP-5 | S-2 | S | 1 | X | | | 3429 |
| 4/3/21/03 | 11:30 | OK | GP-11 | S-2 | S | 1 | X | | Please Call with Mounting | 3430 |
| 5/3/21/03 | 3:00 | OK | GP-15 | S-2 | S | 1 | X | | Results Below Threshold | 3431 |
| 6 | | | | | | | | | Run TCLP on sample #1 | |
| 7 | | | | | | | | | with lighest | |
| 8 | | | | | | | | | contaminant levels | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

LAB USE ONLY Yr**


SAMPLE CONDITION: Check box
if acceptable or note deviation:

Sampled By: David L. McEg
Retinquished By:

CONTAINER TYPE: ☒ P

Date/Time: 3/27/03

Date/Time:

| | | |
|------------------|---|---------------|
| RESERVATIONS: |  | HOLDING TIME: |
| Relinquished By: | | |
| Received By: | | |

TEMPERATURE: ☐ ☒

Date/Time: _____

| | |
|-------------|--|
| 12c lead | |
| Total Cost: | |

Received By: _____ Date/Time: _____

ප්‍රකාශකයාගේ නම:

P

Semi-Volatile Analysis Report for TCLP Extract

Client: **TVGA Consultants**

| | | | |
|--------------------|--------------|---------------------|------------|
| Client Job Site: | N/A | Lab Project Number: | 03-0862R |
| Client Job Number: | 1109201 | Lab Sample Number: | 3427R |
| Field Location: | GP-1 S-2 | Date Sampled: | 03/27/2003 |
| Field ID Number: | N/A | Date Received: | 04/04/2003 |
| Sample Type: | TCLP Extract | Date Analyzed: | 04/07/2003 |

| Base / Neutrals | Results in ug / L | Regulatory Limits in ug / L |
|---------------------|-------------------|-----------------------------|
| 1,4-Dichlorobenzene | ND< 40.0 | 7,500 |
| 2,4-Dinitrotoluene | ND< 40.0 | 130 |
| Hexachlorobenzene | ND< 40.0 | 3,000 |
| Hexachlorobutadiene | ND< 40.0 | 500 |
| Hexachloroethane | ND< 40.0 | 130 |
| Nitrobenzene | ND< 40.0 | 2,000 |
| Pyridine | ND< 40.0 | 5,000 |

| Acids | Results in ug / L | Regulatory Limits in ug / L |
|---------------------------|-------------------|-----------------------------|
| Cresols (as m,p,o-Cresol) | ND< 80.0 | 200,000 |
| Pentachlorophenol | ND< 100 | 100,000 |
| 2,4,5-Trichlorophenol | ND< 100 | 400,000 |
| 2,4,6-Trichlorophenol | ND< 40.0 | 2,000 |

ELAP Number 10958

Method: EPA 8270C

Data File: 10751.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:


Bruce Hoogesteger, Technical Director

ATTACHMENT 07

LISTING OF CURRENT & PREVIOUS SITE OWNERS

Attachment 07

Listing of Current & Previous Site Owners

Krog Corporation West End Development Site Brownfield Cleanup Program Application

INTRODUCTION

Reasonable attempts were made to attain complete previous site owner contact information. In some cases, previous owners complete contact information was not available.

The following table lists the previous property owners:

| Parcel Address and SBL No. | Date(s) | Relationship to Applicant |
|---|--------------|---------------------------|
| Lafayette Street (0.05 acres) – 387.40-3-2 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-present | None |
| Previous Owners | | |
| The Ogden Newspaper Inc. Jamestown Newspaper Corp. 311 Washington St. Jamestown NY 14701 716-487-1111 | 1983-1991 | None |
| BM Valone | 1991 | None |
| Downtown Jamestown Development Corp. 101 West Fifth Street Jamestown, New York 14701 716-664-2477 | 1991 | None |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 1991-1992 | None |
| Chautauqua County IDA 200 Harrison Street Jamestown New York 14701 716-664-3262 | 1992-2000 | None |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 2000-2002 | None |

Attachment 07

Listing of Current & Previous Site Owners

Krog Corporation
West End Development Site
Brownfield Cleanup Program Application

| Lafayette Street (0.05 acres) - 387.40-3-3 | | |
|---|---------------|------|
| Current Owner | | |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 1991-present | None |
| Previous Owners | | |
| The Ogden Newspaper Inc. Jamestown Newspaper Corp. 311 Washington St. Jamestown NY 14701 716-487-1111 | 1983-1991 | None |
| BM Valone | 1991 | None |
| Downtown Jamestown Development Corp. 101 West Fifth Street Jamestown, New York 14701 716-664-2477 | 1991 | None |
| 223 W 3 rd Street (0.1 acres) - 387.40-3-4 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-present | None |
| Previous Owners | | |
| Louis Poda | Prior to 1981 | None |
| F. Cardinale | 1981-1994 | None |
| Kenneth P. King 227 Indiana Avenue Jamestown New York 14701 | 1994-2000 | None |
| Chautauqua County IDA 200 Harrison Street Jamestown New York 14701 716-664-3262 | 2000-2002 | None |

Attachment 07

Listing of Current & Previous Site Owners

Krog Corporation West End Development Site Brownfield Cleanup Program Application

| 217-221 W 3 rd Street (0.15 acres) - 387.40-3-5 | | |
|--|--------------|------|
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-Present | None |
| Previous Owners | | |
| Paul G. Joanethis 408 Palmer Street Jamestown New York 14701 | 1968-1978 | None |
| Michael Churchhill 120 Newton Avenue Jamestown New York 14701 | 1978-1980 | None |
| Mattia Miele 78 Sanford Drive Jamestown New York 14701 | 1980-2002 | None |
| 202 W 3 rd Street (0.1 acres) - 387.40-3-6 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2001-Present | None |
| Previous Owners | | |
| William Goller c/o Mr. Donald S. King Mr. Donut, 89 Providence Highway Westwood, MA 02090 | 1972-1996 | None |
| Enserro, Fogarty, Petro, and Grieco | 1996-2001 | None |

Attachment 07

Listing of Current & Previous Site Owners

Krog Corporation West End Development Site Brownfield Cleanup Program Application

| 205 W 3rd Street (0.5 acres) - 387.40-3-7 | | |
|--|--------------|------|
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 1997-present | None |
| Previous Owners | | |
| Helen, WM. J, and Norma J. Bendo c/o Mr. Donut Corp. 89 Providence Highway Westwood, MA 02090 | 1972-1997 | None |
| 201-213 Washington Street (0.5 acres) - 387.40-3-55 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 1986-present | None |
| Previous Owners | | |
| William B. Realty Corp. 113 West Third Street Jamestown New York 14701 | 1972-1979 | None |
| Abrahamson-Bigelow Co. | 1979-1986 | None |

ATTACHMENT 08

LISTING OF CURRENT & PREVIOUS SITE OPERATORS

Attachment 08

Listing of Current and Previous Site Operators

Krog Corporation West End Development Site Brownfield Cleanup Program Application

INTRODUCTION

Reasonable attempts were made to attain complete previous site operator contact information. In some cases, complete contact information was not available. No information was gathered to confirm that previous site operators differed from the previous site owners. As such, the information included below is identical to the information in Attachment #7.

| Parcel Address and SBL No. | Date(s) | Relationship to Applicant |
|---|--------------|---------------------------|
| Lafayette Street (0.05 acres) – 387.40-3-2 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-present | None |
| Previous Owners | | |
| The Ogden Newspaper Inc. Jamestown Newspaper Corp. 311 Washington St. Jamestown NY 14701 716-487-1111 | 1983-1991 | None |
| BM Valone | 1991 | None |
| Downtown Jamestown Development Corp. 101 West Fifth Street Jamestown, New York 14701 716-664-2477 | 1991 | None |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 1991-1992 | None |
| Chautauqua County IDA 200 Harrison Street Jamestown New York 14701 716-664-3262 | 1992-2000 | None |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 2000-2002 | None |

Attachment 08

Listing of Current and Previous Site Operators

Krog Corporation
West End Development Site
Brownfield Cleanup Program Application

| Lafayette Street (0.05 acres) - 387.40-3-3 | | |
|---|---------------|------|
| Current Owner | | |
| City of Jamestown Municipal Building Jamestown, New York 14701 716-483-7510 | 1991-present | None |
| Previous Owners | | |
| The Ogden Newspaper Inc. Jamestown Newspaper Corp. 311 Washington St. Jamestown NY 14701 716-487-1111 | 1983-1991 | None |
| BM Valone | 1991 | None |
| Downtown Jamestown Development Corp. 101 West Fifth Street Jamestown, New York 14701 716-664-2477 | 1991 | None |
| 223 W 3 rd Street (0.1 acres) - 387.40-3-4 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-present | None |
| Previous Owners | | |
| Louis Poda | Prior to 1981 | None |
| F. Cardinale | 1981-1994 | None |
| Kenneth P. King 227 Indiana Avenue Jamestown New York 14701 | 1994-2000 | None |
| Chautauqua County IDA 200 Harrison Street Jamestown New York 14701 716-664-3262 | 2000-2002 | None |

Attachment 08

Listing of Current and Previous Site Operators

Krog Corporation
West End Development Site
Brownfield Cleanup Program Application

| 217-221 W 3 rd Street (0.15 acres) - 387.40-3-5 | | |
|--|--------------|------|
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2002-Present | None |
| Previous Owners | | |
| Paul G. Joanethis 408 Palmer Street Jamestown New York 14701 | 1968-1978 | None |
| Michael Churchhill 120 Newton Avenue Jamestown New York 14701 | 1978-1980 | None |
| Mattia Miele 78 Sanford Drive Jamestown New York 14701 | 1980-2002 | None |
| 202 W 3 rd Street (0.1 acres) - 387.40-3-6 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 2001-Present | None |
| Previous Owners | | |
| William Goller c/o Mr. Donald S. King Mr. Donut, 89 Providence Highway Westwood, MA 02090 | 1972-1996 | None |
| Enserro, Fogarty, Petro, and Grieco | 1996-2001 | None |

Attachment 08

Listing of Current and Previous Site Operators

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

| 205 W 3rd Street (0.5 acres) - 387.40-3-7 | | |
|--|--------------|------|
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 1997-present | None |
| Previous Owners | | |
| Helen, WM. J, and Norma J. Bendo c/o Mr. Donut Corp. 89 Providence Highway Westwood, MA 02090 | 1972-1997 | None |
| 201-213 Washington Street (0.5 acres) - 387.40-3-55 | | |
| Current Owner | | |
| Jamestown Urban Renewal Agency Municipal Building Jamestown, New York 14701 716-483-7541 | 1986-present | None |
| Previous Owners | | |
| William B. Realty Corp. 113 West Third Street Jamestown New York 14701 | 1972-1979 | None |
| Abrahamson-Bigelow Co. | 1979-1986 | None |

ATTACHMENT 09

CONTACT LIST INFORMATION

Attachment 09

Contact List Information

Krog Corporation West End Development Site Brownfield Cleanup Program Application

CONTACT LIST

The following is the contact list information for the subject property.

New York State Contacts:

Director Abby Snyder
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Mr. Martin Doster
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Mr. Daniel David, Regional Engineer
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Ms. Meaghan Boice-Green
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Ms. Megan Gollwitzer
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Community Outreach File
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Mr. Cameron O'Connor
N.Y.S. D.O.H.
584 Delaware Avenue
Buffalo, NY 14202

Mr. Richard Fedigan
N.Y.S. D.O.H., Room 205
547 River Street
Troy, NY 12180

Mr. Lawrence Ennist
N.Y.S. D.E.C.
625 Broadway
Albany, NY 12233-7017

Mr. Michael Basile
USEPA - Public Info. Office
186 Exchange St.
Buffalo, NY 14204

Senator Charles Schumer
U.S. Senate, Suite 660
130 South Elmwood Avenue
Buffalo, NY 14202

Senator Hillary Rodham-Clinton
U.S. Senate
726 Exchange St., Ste. 511
Buffalo, NY 14210

Attachment 09

Contact List Information

Krog Corporation West End Development Site Brownfield Cleanup Program Application

The Honorable Brian M. Higgins
Congressional District 27
726 Exchange Street, Suite 601
Buffalo, NY 14210

Assemblyman William Parment
150th Assembly District
809 Hotel Jamestown
Jamestown, NY 14701

Senator Catherine M. Young
57th District, N.Y.S. Senate
700 West State Street
Olean, NY 14760

Chautauqua County Contacts:

Honorable Gregory Edwards
Chautauqua County Executive
Gerace Office Building
Mayville, NY 14757

Chairman Keith Ahlstrom
Chautauqua County Legislature
Gerace Office Building
3 North Erie St.
Mayville, NY 14757-1007

Legislator Victoria James
809 Lafayette St.
Jamestown, NY 14701

Legislator Chuck Cornell
20 Dewey Pl.
Jamestown, NY 14701

Legislator Tina Hallquist
22 Stafford Ave.
Jamestown, NY 14701

Legislator Scot Stutzman
114 Ellis Ave.
Jamestown, NY 14701

Legislator Maria Kindberg
33 Pershing Ave.
Jamestown, NY 14701

Legislator Joseph Trusso
10 Hampton Lane
Jamestown, NY 14701

Attachment 09

Contact List Information

Krog Corporation West End Development Site Brownfield Cleanup Program Application

Edwin Miner, Commissioner
Chautauqua County Health Dept.
Hall R. Clothier Bldg.
Mayville, NY 14757

Mr. Scott Lewellen
Chautauqua Co. EMC
PO Box 95 3726 Rt. 430
Bemus Point, NY 14712

Mr. Jack Henderson
Chautauqua Co. HazMat Team Crd
Gerace Office Bldg.
Mayville, NY 14757

Rose Wightman
Chautauqua County Planning Dept.
200 Harrison St.
Jamestown, NY 14201

Clerk Janet Jankowski
Chautauqua Co. Legislature
Gerace Office Building
Mayville, NY 14757

Mr. David Wilson
Chautauqua Co. Soil & Water Dist
3542 Turner Road
Jamestown, NY 14701-9608

Clerk Sandra Sopak
Chautauqua County Clerk's Office
Gerace Office Building
Mayville, NY 14757

Ms. Cheryl Ruth
Chautauqua County D.P.F.
454 North Work Street
Falconer, NY 14733

Ms. Patricia Peterson
Chautauqua County Emergency
RD #1 Box 96
Kennedy, NY 14747

Mr. George Holt, Chr.
Chautauqua County Planning Dept.
200 Harrison St.
Jamestown, NY 14701

Mr. Neil McNeight
Chautauqua County Fire Crd.
Gerace Office Building
Mayville, NY 14757

Mr. Steven Johnson
Chautauqua County Health Dept.
Gerace Office Building
Mayville, NY 14757

Attachment 09

Contact List Information

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

Mr. Joseph Gerace
Chautauqua County Sheriff
County Jail
Mayville, NY 14757

William Daly, Director
Chautauqua County IDA
200 Harris St.
Jamestown, NY 14701

Town of Ellicott Contacts:

Patrick H. Taylor
Supervisor – Town of Ellicott
215 South Work Street
Falconer, NY 14733

Michael C. Erlandson
Town Clerk – Town of Ellicott
215 South Work Street
Falconer, NY 14733

City of Jamestown Contacts:

Mayor Samuel Teresi
City of Jamestown
200 East Third St.
Jamestown, NY 14701

Clerk James Olson
City of Jamestown
200 East Third St.
Jamestown, NY 14701

Councilman Stephen Szwejbka
City of Jamestown
264 Clyde Ave.
Jamestown, NY 14701

Councilman Anthony Dolce
Jamestown City Council
38 Clyde Ave.
Jamestown, NY 14701

Councilman Michael Taylor
Jamestown City Council
612 Monroe St.
Jamestown, NY 14701

Councilwoman Lynda Albert
Jamestown City Council
59 Elam St.
Jamestown, NY 14701

Attachment 09

Contact List Information

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

Councilman James Ventura
Jamestown City Council
239 Camp St.
Jamestown, NY 14701

Councilman James McElrath, Sr.
Jamestown City Council
130 Marvin Pkwy.
Jamestown, NY 14701

Dr. Lillian Ney, Councilwoman
Jamestown City Council
88 Gordon St.
Jamestown, NY 14701

Councilwoman Kimberly Ecklund
Jamestown City Council
32 Harris Ave.
Jamestown, NY 14701

Randall Peterson, P.E.
Board of Public Utilities
92 Steele St.
Jamestown, NY 14701

Planning Board
City of Jamestown
200 East 3rd Street
Jamestown, NY 14701

Local News Media:

Attn: Jack Lloyd
Jamestown Post Journal
P.O. Box 190
Jamestown, NY 14701

Attn: Environmental News Desk
Buffalo News, Jamestown
511 Clinton Street
Jamestown, NY 14701

Attn: Environmental News Desk
WDOE
Box 209 Willow Road
Dunkirk, NY 14048

Attn: Environmental News Desk
Evening Observer
10 E 2
Dunkirk, NY 14048

ATTN: Michael Desmond
WNED, ENVIRONMENTAL NEWS
DESK
PO 1263, Horizons Plaza
Buffalo, NY 14240

ATTN: Environmental News Desk
WGRZ TV - CH. 2
259 Delaware Avenue
Buffalo, NY 14202

Attachment 09

Contact List Information

Krog Corporation West End Development Site Brownfield Cleanup Program Application

ATTN: Environmental News Desk
WKBW News Channel 7
7 Broadcast Plaza
Buffalo, NY 14202

ATTN: Jay Bonfatti
Buffalo News
1 News Plaza
Buffalo, NY 14240

ATTN: Environmental News Desk
WHEN Radio 930 & WMJQ
500 Corporate Pkwy
Buffalo, NY 14226

ATTN: Environmental News Desk
WIVB - CH. 4
2077 Elmwood Avenue
Buffalo, NY 14207

Attn: Anne Marie Franczyk
Business First
465 Main Street
Buffalo, NY 14203-1793

Attn: Environmental News Desk
WJTN & WWSE
P.O. Box 1139
Jamestown, NY 14702

Attn: Environmental News Desk
WKSJ & WHUG
202 Front St.
Jamestown, NY 14701

Document Repository (see Attachment 10):

Cheryl Johnson
James Prendergast Library
509 Cherry St.
Jamestown, NY 14701

Attachment 09

Contact List Information

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

Nearby Schools:

Mr. Joseph Yelich, Principal
Jamestown High School
350 East Second Street
Jamestown, NY 14701

Ms. Renee Hartling, Principal
Samuel G. Love Elementary School
50 East Eighth Street
Jamestown, NY 14701

Choice Alternative School
120 West 3rd Street
Jamestown, NY 14701

The Resource Center
131 East 3rd Street
Jamestown, NY 14701

Environmental/Citizen Groups:

Mr. Brian Smith
Citizens Campaign-Environment
227 McConkey St.
Tonawanda, NY 14223

WNY Director
Citizens' Env. Coalition
1075 Elmwood Ave.
Buffalo, NY 14222

Chairwoman Jane Jontz
Sierra Club, Niagara Group
62 Lincoln Road
Snyder, NY 14226

ATTACHMENT 09

AREA PROPERTY OWNERS

**Krog Corporation
West End Development Site
Brownfield Cleanup Program Application**

| Adjacent Property Address | | Owner Name and |
|---------------------------|----------------|--|
| No. | Street | Mailing Address |
| 111 | W. 2nd St. | Marquee Tower Inc 111 W 2nd Street Jamestown, NY 14701 |
| 203 | W. 2nd St. | City of Jamestown Power Hs & Dist System 203 W 2nd Street Jamestown, NY 14701 |
| 211-217 | W. 2nd St. | Jamestown Urban Renewal Agency Municipal Building Jamestown, NY 14701 |
| 114-122 | W. 3rd St. | Hsg Development Fund Co. 411 Winsor Street Jamestown, NY 14701 |
| 115-121 | W. 3rd St. | Gebbie Foundation 115-121 W 3rd Street Jamestown, NY 14701 |
| 200 | W. 3rd St. | Star Hotel LLC 200 W 3rd Street Jamestown, NY 14701 |
| 304-310 | W. 3rd St. | Budget Rental Units LLC 303 Lafayette Street Jamestown, NY 14701 |
| 319 | W. 3rd St. | County of Chautauqua 200 Harrison Street Jamestown, NY 14701 |
| 200-210 | Washington St. | Cheryl Lynn Kerns P.O. Box 121 Ellicottville, NY 14731 |
| 330 | Washington St. | Michael Bennett 324 Wolfe Road Cattaraugus, NY 14719 |

ATTACHMENT 10

DOCUMENT REPOSITORY CONFIRMATION LETTER

April 25, 2007

Cheryl Johnson
Head of Reference
James Prendergast Library
509 Cherry St.
Jamestown, NY 14701

**Re: Document Repository
West End Development Site, Jamestown, NY**

Dear Ms. Johnson:

Thank you for allowing the James Prendergast Library to be the document repository for the above-referenced site. Please make the enclosed document available to the public upon request.

Please contact me at 856-0599 if you have questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



Michael Lesakowski
Project Manager

c: File: 0092-006-100

ATTACHMENT 11

ENVIRONMENTAL FACTORS AND HISTORIC LAND USE CONSIDERATIONS

Attachment 11

Environmental Factors & Historic Land Use Considerations

Krog Corporation West End Development Site Brownfield Cleanup Program Application

INTRODUCTION

The following provides a brief summary of the site:

- There are no State or Federal wetlands or floodplains on the site
- The site is located within a predominantly urban-developed area.
- The site is not adjacent to a Significant Coastal Fish and Wildlife Habitat.
- There are no threatened or endangered species, nor important plant habitats listed at the site.

ATTACHMENT 12

NEARBY LAND USE MAP

Attachment 12
Surrounding Land Use Description

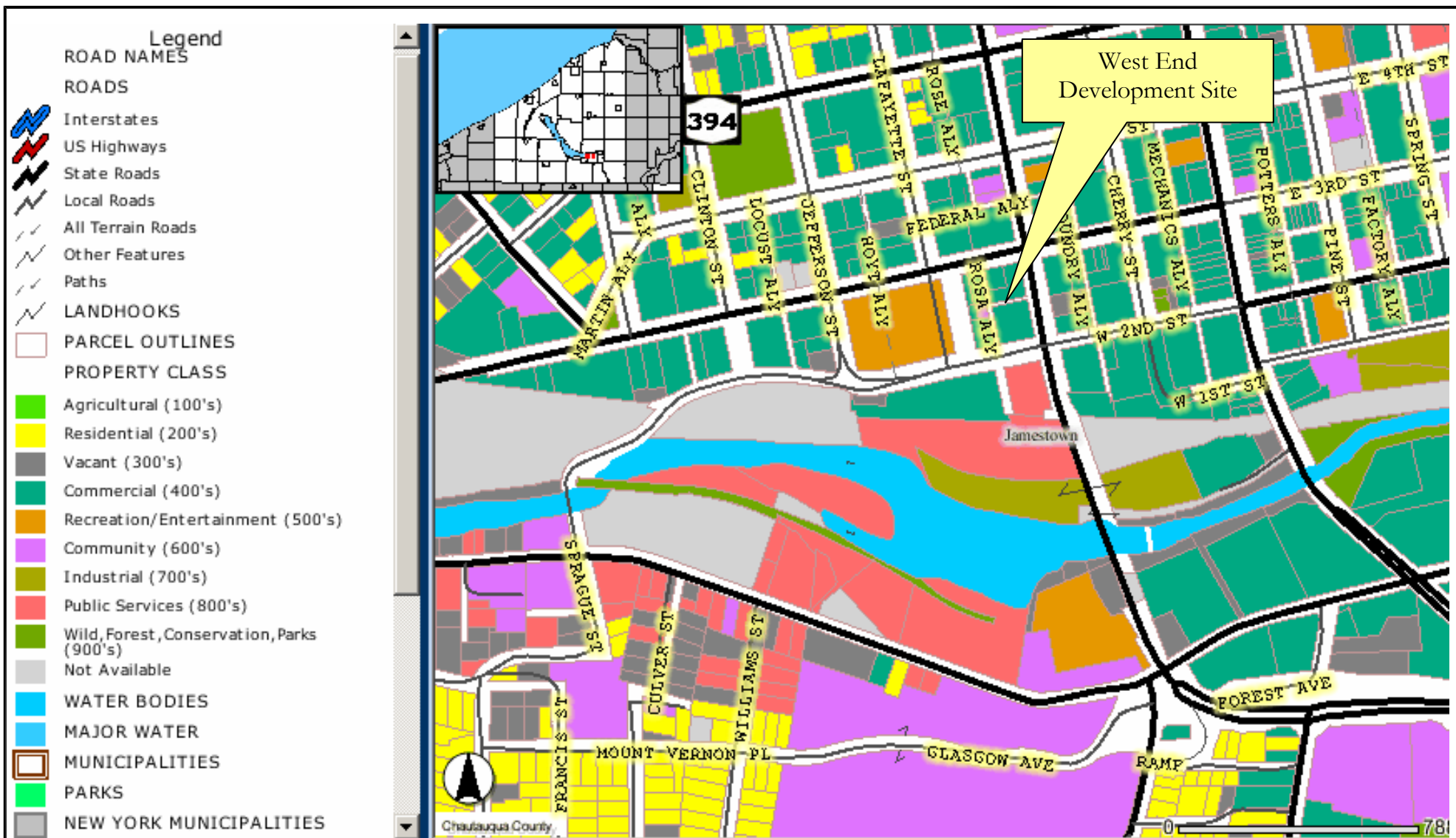
Krog Corporation
West End Development Site
Brownfield Cleanup Program Application

SURROUNDING LAND USE DESCRIPTION

The Site, which has several addresses that front Lafayette Street, Washington Street, 2nd Street and 3rd Street, is located in an urban setting in the City of Jamestown, Chautauqua County, New York.

Properties adjacent to the Site include several commercial properties, two vacant parcels, one public services property and one recreation and entertainment property (see Figure 12-1).

The surrounding land-use is mixed use, including commercial, public service, recreation/entertainment and residential. Baker Park is located 3 city blocks northwest of the Site (see Figure 12-1).



726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0092-006-100

DATE: APRIL 2007

DRAFTED BY: NTM

NEARBY LAND USE MAP

BROWNFIELD CLEANUP PROGRAM APPLICATION

WEST END DEVELOPMENT SITE
JAMESTOWN, NEW YORK

PREPARED FOR
KROG CORPORATION

FIGURE 12-1

ATTACHMENT 13

GROUNDWATER VULNERABILITY ASSESSMENT

Attachment 13

Groundwater Vulnerability Assessment

Krog Corporation West End Development Site Brownfield Cleanup Program Application

POTENTIAL VULNERABILITY OF GROUNDWATER TO CONTAMINATION

The analytical results collected to date indicate that the groundwater is contaminated with petroleum volatile organic compounds (VOCs) and arsenic. Currently, there are no known deed restrictions on the use of groundwater at the site and groundwater supply wells are not present on the site. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided offsite and onsite by the local municipal water authority.

The historic site use also included dry cleaning. There has been minimal groundwater analysis for chlorinated VOCs, which are typically utilized in the dry cleaning industry, and pose additional groundwater contamination concern.

GROUNDWATER FLOW/RECHARGE

During the previous site investigation groundwater direction was not determined; however, based on Site topography and proximity to the Chadakoin River, groundwater likely flows in a southwest direction. Regional groundwater appears to flow south/southwest towards the Chadakoin River or west toward Chautauqua Lake (see Figure 1-1).

RECOMMENDATIONS

Further work is required to supplement the existing groundwater quality data. Additional wells to assess groundwater flow patterns and water quality will be needed.

ATTACHMENT 14

DESCRIPTION OF SITE GEOGRAPHY/GEOLOGY

Attachment 14

Description of Site Geography/Geology

Krog Corporation West End Development Site Brownfield Cleanup Program Application

ECOLOGICAL SETTING

The Site is covered entirely with a patchwork of asphalt used exclusively for surface parking, and therefore provides no habitat for flora or fauna.

The Site is located in the Allegheny Drainage Basin, which generally drains southward, although localized variation does occur. Nearby Chautauqua Lake is considered one of three major bodies of water (i.e., lakes or reservoirs) within this basin. The Site is located north of the Chadakoin River, a tributary of Chautauqua Lake.

DEMOGRAPHY AND LAND USE

The site is located in a highly developed urban setting. Land use surrounding the Site includes commercial, residential, recreational, community, governmental/public services property. The majority of the surrounding area is developed with commercial-use properties.

There are no residential areas in the area adjacent to the subject property

REGIONAL GEOLOGY/HYDROGEOLOGY

The Site is located in the Allegheny Plateau physiographic province of Western New York, which extends from Lake Erie in the west to the Catskill Mountains in the east. The Allegheny Plateau is bordered by the Lake Erie Lowlands physiographic province to the west, the New York/Pennsylvania border to the south, the Ontario Lowlands and the Mohawk River Valley to the north and the Hudson River Valley to the east. The Allegheny Plateau is part of the larger Appalachian Plateau areas of Ohio, New York, and Pennsylvania.

The U.S. Department of Agriculture (USDA) Soil Conservation Service soil survey map of Chautauqua County describes the general surficial soil type at the site as Urban Land (Ur). This unit consists of nearly level to sloping areas in which 85 percent or more of the surface is covered with asphalt, concrete, or other impervious material (USDA, issued August 1994).

Attachment 14

Description of Site Geography/Geology

Krog Corporation West End Development Site Brownfield Cleanup Program Application

SITE GEOLOGY/HYDROGEOLOGY

A summary of boring logs advanced as part of the Phase II Environmental Assessment (TVGA, October 2002) indicate that the subsurface soil at the site consists of urban soils (i.e., asphalt) underlain by outwash and lacustrine deposits. Site soil generally consists of five distinct horizons: (1) asphalt at grade to approximately 0.3 feet below ground surface (fbgs); (2) a soil/fill layer consisting of mostly sand and gravel with some coal fragments, wood, bricks, and concrete approximately 10.0 feet thick; (3) a native grey clayey and silty poorly graded gravel (GC, GM, GP); (4) a native grey silty clay; and (5) a native grey clayey sand with silt.

The Site is predominately flat, sloping gently to the south with an approximate surface elevation of 1360 feet above mean sea level with no distinguishable site features. Precipitation (i.e., rain or melting snow) generally moves radially from the Site via overland flow to on-site catch basins.