# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Buffalo General Hospital 100 High Street Buffalo, NY 14203

# Prepared for:

United States Department of Housing and Urban Development 26 Federal Plaza, Room 3200 New York, NY 10278-0068

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### 1.0 SUMMARY

Ethan C. Eldon Associates, Inc. (ECEA) was contracted by the Buffalo General Hospital (BGH) to conduct a Phase I Environmental Site Assessment in accordance with the American Society for Testing and Materials (ASTM) Standards E 1527-00 for the subject property / site identified in the Erie County tax records as (i) Section 100.79, Block 2, Lot 1; (ii) Section 100.80, Block 1, Lot 1; (iii) Section 100.71, Block 4, Lots 1 and 2; and (iv) Section 100.72, Block 6, Lot 1.1 in Erie County, New York. The BGH is located in the central Buffalo City neighborhood in Erie County, New York. The street address of the subject property is 100 High Street, Buffalo, New York.

The findings of this Phase I Environmental Site Assessment relating to the general condition of the subject property are summarized as follows:

The findings of this Phase I Environmental Site Assessment relating to the general condition of the subject property are summarized as follows:

- 1. Buffalo General Hospital has a 16-story hospital building with two-level basement, a 3-story research building (occupied by Buffalo University), a 1-story garage, a 3-story building for community mental health center, a 1-story building for boilers and generators, a 4-story vacant building and two parking lots. The land uses in surrounding area are institutional and residential
- 2. No evidence of recognized environmental conditions was identified in connection with the subject property.

### 2.0 INTRODUCTION

## 2.1 Purpose

The purpose of this Phase I Environmental Site Assessment is to identify recognized environmental conditions in connection with the subject property. The purpose of the investigation was to identify potential sources of contamination at the property and to satisfy the "all appropriate inquiry" requirement set forth in Section 9601(35)(B) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The assessment is intended to demonstrate that due diligence has been exercised as outlined by the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-00, and is consistent with good commercial and customary practices.

The Phase I Environmental Site Assessment is being performed because the Buffalo General Hospital is seeking financing and intends to perform renovations/expansions to their facility.

# 2.2 Special Terms and Conditions

The findings and conclusions set forth in this report are based upon information that was available to ECEA during its inspection of the site. If new information becomes available concerning the site after this date, or if the site is used in the future in a manner other than that which is identified in this report, the findings and conclusions contained herein may have to be modified. Additionally, while this investigation was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry, ECEA cannot guarantee that the site is completely free of hazardous substances or other materials or conditions that could subject the owner or fiduciary to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, which was beyond the scope of this investigation.

Ethan C. Eldon Associates, Inc. assumes no responsibility for the property owner's actions in relation to the following:

 Violation of any federal, state or local statute or ordinance relating to identification of a hazardous substance or its constituents; Phase I Environmental Site Assessment

- Undertaking of, or arrangement for, the handling, removal, treatment, storage, transportation, or disposal of hazardous substances or constituents found or identified; and
- Changed conditions or hazardous substances or constituents introduced at the site by the Client or third person during or after the completion of services described in this report.

## 2.3 Limitations and Exceptions of Assessment

No materials testing, systems operational testing, remedial investigations or cost estimates have been performed in connection with this assessment. No enclosed spaces were investigated for this report. No regulations, codes or ordinances were reviewed. No systems or components were dismantled or disassembled. The findings contained herein are limited in nature and extent, and may represent only a portion of the possible findings.

# 2.4 Limiting Conditions and Methodology

The information provided in this report is based on the results of ECEA's site reconnaissance, information obtained through interviews with site personnel and information obtained from regulatory agencies. During the site reconnaissance, the property was visually and physically observed. Limitations at the time of the site inspection include that a vacant building could not be accessed for inspection and some areas of the site building could not be accessed for inspection because it would intrude on the privacy of the patients.

### 3.0 SITE DESCRIPTION

### 3.1 Location and Legal Description

The site is located between Michigan Avenue to the east and Ellicott Street to the west, and between East North Street to the north and High Street to the south, in the City of Buffalo, New York (see Figure 1). The site is identified in the Erie County tax records as (i) Section 100.79, Block 2, Lot 1; (ii) Section 100.80, Block 1, Lot 1; (iii) Section 100.71, Block 4, Lots 1 and 2; and (iv) Section 100.72, Block 6, Lot 1.1. The street address of the subject property is 100 High Street, Buffalo, New York.

# 3.2 Descriptions of Structures or Other Improvements on the Site

Buffalo General Hospital occupies two entire blocks which is divided by Goodrich Street.

# Block on the south side of Goodrich Street (Main Building):

The site is developed with a 16-story building which is occupied by Buffalo General Hospital, a parking lot which is used by Buffalo General Hospital and a 3-story building which is occupied by Buffalo University. Heat is provided to these buildings by oil-fired boilers. Backup power is provided by emergency dieselfueled generators. Cooling is provided by chilled water generated through a cooling tower on the roof of the building. The heat at the 3-story building occupied by Buffalo University is provided by a boiler in its basement.

# Block on the north side of Goodrich Street:

The site is developed with a 3-story building, one 4-story vacant building and a 1-story power plant for boilers and backup generators. Heat is provided to the 3-story building by oil-fired boilers. Backup power is provided by emergency dieselfueled generators. Cooling is provided by chilled water generated through a cooling tower on the roof of the buildings.

The surrounding area is serviced by public utility companies. Electricity is provided by the National Grid. Potable water is provided by the American Water Supply System. Sanitary wastes are discharged to the Buffalo City Public Sewer System. No evidence of wells, cesspools or septic tanks was observed on the

# 3.3 Information Regarding Environmental Liens or Specialized Knowledge or Experience

According to Mr. Albert Kruger, Director of Real Estate of the Buffalo General Hospital, there are no environmental liens against the property.

# 3.4 Current Uses of the Property and Adjoining Properties

The 16-story building which is bounded by Goodrich Street to the north, Michigan Avenue to the east, High Street to the south and Ellicott Street to the west comprises the main hospital including examination rooms, operating rooms, physical therapy rooms, patient beds, clinical laboratories, and administrative offices. The 3-story building which is located at southeast corner in this Block is research laboratory which is occupied by the Buffalo University.

The 3-story building which is bounded by East North Street to the north, Michigan Avenue to the east, Goodrich Street to the south and Ellicott Street to the west comprise clinic offices, impatient rooms, laboratories and sports facility. The 4-story building at 112 Goodrich Street is vacant and no utilities are provided. The 1-sory building in this block is the Hospital power plant which supplies heat and backup power.

The properties directly adjoining the site are:

North: Across E. North Street, 1- and 2-story dwellings.

East: Across Michigan Avenue, 2-story dwellings and 1-story

commercial building.

South: Across High Street, 4- and 7-story institutional buildings.

West: Across Ellicott Street, a 13-story office building and a parking

garage.

No industrial facilities were noted in the immediate area (in the Blocks containing the site or in the Blocks containing the adjoining properties). No gasoline filling stations were noted in the immediate area.

### 4.0 INFORMATION FROM HISTORICAL SOURCES

#### 4.1 Interviews

No information on the history of the site was provided to ECEA through interviews. Mr. Albert Kruger, Director of Corporate Real Estate of the Buffalo General Hospital, provided access and accompanied ECEA during the site inspection. Mr. Albert Kruger provided information regarding the petroleum storage tank and biohazardous waste disposal.

# 4.2 Review of Prior Environmental Reports

ECEA was not provided with any prior environmental reports regarding the subject property for review.

# 4.3 Sanborn Fire Insurance Maps

In order to further document the past uses of the property and its surroundings, ECEA reviewed Sanborn fire insurance maps showing the property and portions of the adjacent properties for the years 1889, 1899, 1925, 1951, 1981 and 1986. These maps depict the following history:

1889: The subject property consists of 2- and 3-story hospital buildings (Buffalo General Hospital) with two tanks (one 2,000 gallon and one 1,000 gallon in capacity), 1- and 2-story dwellings, 1- and 2-story commercial buildings, 1- to 3-story manufacturing (Buffalo Co-Operative Brewing Company) and vacant land. The adjacent properties to the north across East North Street are 1- and 2-story dwellings and 3-story commercial buildings. The adjacent properties to the south across High Street are 2-story dwellings and 2- and 3-story commercial buildings. The adjacent properties to the west across Ellicott Street are 2-story dwellings and a 1-story commercial building. Information on the subject property to the east across Michigan Avenue is not provided.

1899: The subject property consists of 2- and 3-story hospital buildings (Buffalo General Hospital) with expansion, a 3-story nurse's home, 1- and 2-story dwellings, 1- and 2-story commercial buildings, 1- to 3-story manufacturing (Buffalo Co-Operative Brewing Company), a storage yard and vacant land. The adjacent properties to the north

across East North Street are 1- and 2-story dwellings and 3-story commercial buildings. The adjacent properties to the south across High Street are 2-story dwellings, 3-story commercial buildings and vacant land. The adjacent properties to the west across Ellicott Street are 2-story dwellings and a 1-story commercial building. Information on the subject property to the east across Michigan Avenue is not provided.

1925:

The subject property consists of 2- and 3-story hospital buildings (Buffalo General Hospital) with more expansion than the 1899 in the south Block (bounded by High Street, Elm Street, Goodrich Street and Ellicott Street), a 2- and a 4-story hospital buildings (Buffalo General Hospital) on the north side of Goodrich Street, 1- and 2story dwellings, 1- and 2-story commercial buildings, 1- to 3-story manufacturing (Monawk Products Co) and vacant land. The adjacent properties to the north across East North Street are 1- and 2story dwellings and 3-story commercial buildings. The adjacent properties to the south across High Street are a 3-story institutional building (NY State Institute for Study of Malignant Diseases), 2story dwellings, 3-story commercial buildings, a playground, and vacant land. The adjacent properties to the west across Ellicott Street are 2-story dwellings and a 1-story commercial building. Information on the subject property to the east across Michigan Avenue is not provided.

1951:

The subject property consists of a 8-story hospital building (Buffalo General Hospital) in the south Block (bounded by High Street, Elm Street, Goodrich Street and Ellicott Street), a 2- hospital building and a 4-story nurse homes on the north side of Goodrich Street, 1- and 2-story dwellings, 1- and 2-story commercial buildings and vacant land. The adjacent properties to the north across East North Street are 1- and 2-story dwellings and 3-story commercial buildings. The adjacent properties to the south across High Street are a 3-story institutional building (Roswell Park Memorial Institute), 2-story dwellings, 3-story commercial buildings, a playground, and vacant land. The adjacent properties to the west across Ellicott Street are 2-story dwellings and 1- and 2-story commercial buildings. Information on the subject property to the east across Michigan Avenue is not provided.

1981:

The subject property consists of an 8-story hospital building, a 2-and 3-story research building, a 1-story garage, a 3-story building for community mental health center, 2- and 4-story nurse homes, and a parking lot. The adjacent properties to the north across East North Street are 1- and 2-story new dwellings. The adjacent properties to the south across High Street are a 6-story institutional building (Roswell Park Memorial Institute), a 7-story institutional building with four underground oil tanks (#6 fuel oil, 100,000 gallons each), a 4-story building and vacant land. The adjacent properties to the west across Ellicott Street are a 3-deck parking garage and a 13-story medical building with a 2-deck garage. Information on the subject property to the east across Michigan Avenue is not provided.

1986:

The subject property consists of a 16-story hospital building, a 2-and 3-story research building, a 1-story garage, a 3-story building for community mental health center, 2- and 4-story nurse homes, and a parking lot. The adjacent properties to the north across East North Street are 1- and 2-story dwellings. The adjacent properties to the south across High Street are a 6-story institutional building (Roswell Park Memorial Institute), a 7-story institutional building with four underground oil tanks (#6 fuel oil, 100,000 gallons each), a 4-story building and vacant land. The adjacent properties to the west across Ellicott Street are a 3-deck parking garage and a 13-story medical building with a 2-deck garage. Information on the subject property to the east across Michigan Avenue is not provided.

### 5.0 INFORMATION FROM SITE RECONNAISSANCE

#### 5.1 Site Reconnaissance

On January 16, 2004, Aimee Petkus and Chunyuan Li of ECEA, conducted a site reconnaissance as part of this Phase I Environmental Site Assessment. During the reconnaissance, the property was visually and physically observed except for the 4-story building at 112 Goodrich Street which is vacant.

• The main building at the south side of Goodrich Street is 16 stories high and its uses are summarized below:

<u>Sub-cellar:</u> Laundry room, storage rooms and Magnetic Resonance Imaging (MRI).

<u>Cellar:</u> Emergency Service, Kitchen, Pharmacy storage, offices, Copy room, Warehouse/Storage room, Medical Record room, Mechanical rooms and Loading Dock.

<u>1st Floor:</u> Main lobby, Gift Shop, Coffee Service, Emergency Medicine, Medical Records rooms, Pharmacy, Corporate Offices and Conference room.

<u>2<sup>nd</sup> Floor:</u> Urology, X-ray diagnostic, Ultra Sound, Nuclear Medicine, Radiology, Orthopedics and Neurology.

<u>3<sup>rd</sup> Floor:</u> Doctors' Offices, Surgery Operating rooms and Laboratories.

4<sup>th</sup> Floor: Medical Photography, Offices and Library.

<u>5<sup>th</sup> Floor:</u> Surgery Operating rooms, Physical Therapy and Patient rooms.

6<sup>th</sup> Floor: Physician Offices and Patient rooms.

7<sup>th</sup> Floor: Administrative offices, Laboratories and Storage rooms.

8<sup>th</sup> Floor: Patient rooms and Laboratories.

9<sup>th</sup>-16<sup>th</sup> Floor: Patient rooms.

Roof-top

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Penthouse: Mechanical Equipment room including elevator machine room.

• The 3-story building which is located at northwest corner of High Street and Michigan Avenue is occupied by Buffalo University. The building uses are summarized below:

Basement: Mechanical rooms and research laboratories

1<sup>st</sup>-3<sup>rd</sup> Floors: Research laboratories

• The 3-story building which is located at the west portion of the Block on the north side of Goodrich Street is summarized below:

1<sup>st</sup> Floor: Mechanical rooms, Storage rooms and Gyms.

2<sup>nd</sup> Floor: Impatient rooms, Laboratories and Conference rooms

3<sup>rd</sup> Floor: Impatient rooms, Storage rooms and Administration offices

Roof-top: Mechanical Equipment room including elevator machine room.

• The 1-story building which is located at the middle portion on the north side of Goodrich Street is used for boilers and backup generators.

No signs of distressed vegetation were observed at the site. No stained soil or petroleum or chemical odors were noted at the site. No evidence of cesspools or septic tanks was observed at the site.

# **5.2** Hazardous Substance Containers and Unidentified Substance Containers

The clinical laboratories store and use various hazardous substances in scientific testing procedures. Since no evidence of leaks or spills was observed from the hazardous substance containers on the site and because the site is connected to the municipal sewer system, it is unlikely that these would pose an environmental concern.

# 5.3 Storage Tanks

Two underground storage tanks (USTs) with operating capacity of 26,000 gallons

each are located in the middle portion on the north side of Goodrich Street and used for the boilers. One underground storage tank (UST) with operating capacity of 20,000 gallons is located at the north side of the 1-story building and used for the backup generators. A 500 gallon UST is located near the garage and used for ambulances.

There are also two above ground storage tanks (AST) with operating capacity of 250-gallon and 1,500-gallon containing diesel fuel, respectively. They are located in 1-story building. No evidence of leakage or spills was observed on the concrete floors beneath the ASTs.

A current New York State Department of Environmental Conservation petroleum bulk storage certificate (2-451320) was provided by the facility that expires 7/28/2008. Therefore, Buffalo General Hospital appears to be in compliance with federal and state petroleum bulk storage regulations.

### 5.4 PCBs

Polychlorinated Biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers, light ballasts, electrical panels or other similar equipment. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCB's.

Suspect PCB-containing equipment, transformers which are located at north side of Goodrich Street was observed at the site. No leaking or spills from the transformers was observed during the site visit. The transformers are maintained by Buffalo General Hospital. Since the suspect PCB-containing equipment, transformer is properly maintained it would not pose an environmental concern.

# 5.5 Solid Waste Disposal and Hazardous/Biohazardous Waste Disposal

Solid waste generated in the site buildings is picked up by a private carting company. No solid waste disposal at the site was observed.

Buffalo General Hospital is a registered small quantity hazardous waste generator facility (USEPA ID NYD074042292). Buffalo General Hospital had one RCRA hazardous waste violation and the case was closed in 1995.

Copies of recent Hazardous Waste Manifests and Medical Waste Tracking Forms were provided to ECEA for review.

Hazardous wastes are generated on site in the clinical laboratories. Hazardous Wastes are stored in plastic containers. Hazardous wastes from the entire Buffalo General Hospital are recorded on the manifest provided. Hazardous wastes are stored in the basement by the loading dock and removed under a contract with Tonawanda Tank Transport, private registered hazardous waste transport and disposal companies.

Biohazardous wastes are generated on site in the examination rooms and operating rooms. Sharps are stored in plastic sharps containers labeled with a biohazard placards. Biohazardous wastes are stored in the basement by the loading dock and removed under a contract with Stericycle, Inc., a private registered medical waste transport and disposal company.

The facility appears to be in compliance with federal, state, and local regulations and it is unlikely that the generation and disposal of hazardous and biohazardous wastes at the site would pose an environmental concern.

### 5.6 Asbestos

The USEPA has identified over 3,000 products used in building containing asbestos fibers. The site inspection of the premises is to determine the presence of friable asbestos, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may hazardous to the building occupants' health.

ECEA has not inspected for or included in the report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of there materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

ECEA have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site.

# 1. Good Condition

Material with no visible damage or deterioration to very limited damage of

### 2. Fair Condition

Material with one or more of the following characteristics:

- A few water stains or less than one tenth of insulation with missing jackets.
- Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).

### 3. Poor Condition

Material with one or more of the following characteristics:

- *Missing jackets on at least one tenth of the piping equipment.*
- Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).

# 4. Significantly Damaged

Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to asbestos containing material (ACM); occasional waster damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

# **Asbestos Findings**

No friable asbestos containing material was observed in any of the accessible areas of the buildings. No enclosed spaces were inspected.

### 6.0 PHYSICAL SETTING ANALYSIS

# 6.1 Geology and Hydrogeology of the Surrounding Area

The property is located in central Buffalo city. The area surrounding the property is classified as urban land, with greater than 80 percent of the land surface covered by concrete, asphalt or other impervious building materials.

The topography in the vicinity of the site slopes gently to the northwest. The elevation of the subject site is approximately 660 feet above mean sea level. According to a Flood Insurance Rate Map published by the Federal Emergency Management Agency's National Flood Insurance Program, the site is not located within the 100-year flood hazard area.

Depth to groundwater at the site is unknown. The estimated groundwater flow direction beneath the site is to the west, based on a USGS topographic map and on the location of the Lake Erie, which is a groundwater discharge point, located within one and one-half miles of the site. The surface runoff at the site drains westward toward Lake Erie. The direction of groundwater flow at the site may vary, depending on local geology. The groundwater depth and flow direction at the site can only be confirmed by a hydrogeological study, which was beyond the scope of this investigation.

East of Lake Ontario, elevations increase to form the Tug Hill Plateau. South of the lake and across the Mohawk Valley, the land surface rises to form the Allegheny Plateau. This plateau forms the northern end of the extensive Appalachian Plateaus, which extend to the southwest. The plateau boundary curves eastward across New York south of Rochester and Syracuse, to the Helderberg Escarpment southwest of Albany. The plateau surface rises in this direction until it becomes the Catskill Mountains. Rivers and their tributaries have cut the originally level Appalachian Plateaus into hilly uplands. The branching drainage pattern typically is developed by streams eroding horizontal layers of rock. Some of the north-south stream valleys were broadened and deepened by glacial ice, then dammed by glacial debris to form lakes.

### 7.0 RECORDS REVIEW

The purpose of the records review for the property is to obtain and review records that will help identify recognized environmental conditions in connection with the property. The records reviewed pertain not just to the subject property, but also to surrounding properties within ASTM-designated search distances. This information is gathered from reasonably ascertainable standard sources. The sources reviewed and the information obtained is provided below.

# 7.1 Freedom of Information Requests

Freedom of information requests were filed with the New York State Department of Environmental Conservation (NYSDEC), the Erie County Department of Health (ECDOH), and the Erie County Fire Department (ECFD) for the subject property. Information was requested concerning records of underground and aboveground storage tanks, hazardous waste storage, spills, violations and environmental liens on the property. Copies of the requests are provided in Appendix. The record search from the ECFD indicates that Buffalo General Hospital installed a 500 gallon UST in 1951, a 5,000-gallon UST in 1980, a 5,000-gallon UST in 1983 and a 10,000-gallon UST in 1984. No responses from the NYSDEC and ECDOH have been received to date. If we receive a response that contains environmentally significant information, a letter will be forwarded providing the information as a supplement to this report.

### 7.2 Federal Environmental Databases

ECEA reviewed federal environmental databases to identify sites of known contamination in the vicinity of the subject site. The results are provided below.

### 7.2.1 National Priorities List Sites

The National Priorities List (NPL) is the U.S. Environmental Protection Agency (USEPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial action under the Superfund Program.

ASTM standards require the reporting of NPL sites within a one-mile radius of the subject property, including the subject property. A review of the October 2005 NPL revealed that there are no NPL sites listed within a one-mile radius of the subject property.

### 7.2.2 CERCLA Sites

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation by the USEPA of sites which have been investigated for a release of hazardous substances under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

ASTM standards require the reporting of CERCLA sites within a half-mile radius of the subject property, including the subject property. ASTM standards also require the reporting of CERCLA sites for which No Further Remedial Action is Planned (NFRAP) on the subject property and adjoining sites. A review of the September 2005 CERCLIS database indicated that there are no CERCLA sites listed within a half-mile radius of the subject property. According to the August 2005 CERCLIS-NFRAP database, neither the subject property nor any of the adjoining properties are listed as CERCLA-NFRAP sites.

#### 7.2.3 Hazardous Waste Handlers

RCRIS TSD - Resource Conservation Recovery Information System - Treatment, Storage and Disposal:

The USEPA Office of Solid Waste and Emergency Response produces the Resource Conservation and Recovery Information System list of treatment, storage and disposal (TSD) facilities. The report contains information concerning facilities tracked by the RCRA Administrative Action Tracking System (RAATS) that either treat, store or dispose of hazardous waste.

ASTM standards require the reporting of RCRA TSD facilities within a half-mile radius of the subject property, including the subject property. A review of the October 2005 update of the database indicated that there are no TSD facilities within a half-mile radius of the subject property.

RCRIS HWG - Resource Conservation Recovery Information System
Hazardous Waste Generators

The USEPA Office of Solid Waste and Emergency Response produces the Resource Conservation and Recovery Information System list of small quantity and large quantity hazardous waste generators. The report contains information pertaining to facilities tracked by RAATS that either generate more than 100 kg of

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hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act.

ASTM standards require the reporting of RCRIS hazardous waste generators on the subject property and adjoining sites. According to the October 2005 update of the database, the subject property was identified as a registered small quantity hazardous waste generator facility (USEPA ID NYD074042292) and two adjoining properties (50 and 73 High Street) were identified as a registered small quantity hazardous waste generator facility (USEPA ID NYD982179434 and NYR000130849). The subject property (BGH) facility received one violation in June 19, 1995 and achieved regulatory compliance in June 23, 1995. Based on the status, this violation is of no environmental concern. Since no other violations exist on the subject property it is unlikely that the on-site small quantity hazardous waste generator facility would pose an environmental concern. Since there are no RCRA violations on the adjoining sites, it is unlikely that the small quantity hazardous waste generator facility on the adjoining site would pose an environmental concern to the subject property.

# CORRACTS - Corrective Action Report

The Corrective Action Report is a list prepared by the USEPA of hazardous waste handlers with RCRA violations and corrective action activity.

ASTM standards require the reporting of CORRACTS sites listed within a one-mile radius of the subject property, including the subject property. A review of the October 2005 update of the database indicated that there are two CORRACTS sites listed within a one-mile radius of the subject property.

Trico Products Corporation Plant 817 Washington Street Buffalo, New York Location: approximately 2,000 feet to the southwest.

Buffalo Tin Plating
194 Oak Street
Buffalo, New York
Location: approximately 5,000 feet to the south-southwest.

Due to the distance it is unlikely that these two CORRECTS sits would pose an environmental concern to the subject property.

### 7.2.4 Emergency Response Notification System

The USEPA Office of Solid Waste and Emergency Response compiles the Emergency Response Notification System (ERNS), which is a national computer database system used to store information on the sudden and/or accidental release of hazardous substances, including the spill location, the substance released and the responsible party.

ASTM standards require the review of the ERNS database for the subject property only. According to the December 2004 ERNS report, there is no listing for the subject property.

#### 7.3 New York State Environmental Databases

ECEA reviewed New York State environmental databases to identify sites of known contamination in the vicinity of the subject site. The results are provided below.

### 7.3.1 Inactive Hazardous Waste Disposal Sites

The New York State Department of Environmental Conservation (NYSDEC) is responsible for the investigation, monitoring and cleanup of hazardous waste sites in New York State. State hazardous waste sites are the state equivalent to CERCLIS. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.

ASTM standards require the reporting of Inactive Hazardous Waste Sites listed within a one-mile radius of the subject property, including the subject property. A review of the August 2005 report indicated that there are two inactive hazardous waste sites listed within a one-mile radius of the subject property.

Osmose Inc 980 Ellicott Street Buffalo, New York 14209

Location: approximately 1,600 feet to the north.

Status: site is properly closed

Diarsenol Company 84 Kingsley Street Buffalo General Hospital

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Location: approximately 4,800 feet to the northeast.

Status: site is properly closed

Since both sites are properly closed it is unlikely that these two Inactive Hazardous Waste Sites would pose an environmental concern to the subject property.

# 7.3.2 Voluntary Cleanup Program Sites

The NYSDEC publishes a list of contaminated sites that use private funds to remediate the site to levels allowing for its productive use.

ASTM standards require the reporting of Voluntary Cleanup Program Sites within a half-mile radius of the subject property, including the subject property. A review of the directory of August 2005 indicated there is one Voluntary Cleanup Program Site listed within a half-mile radius of the subject property.

Buffalo City Mission 150 East North Street Buffalo, New York 14203

Location: Approximately 870 feet to the northeast.

The description for this site states: "... The application included an assessment conducted in 2004 which revealed no evidence of recognized environmental condition in connection with the subject property..." Based on the site description it is unlikely that this Voluntary Cleanup Program Site would pose an environmental concern to the subject property.

#### 7.3.3 Solid Waste Facilities

SWF/LF - Solid Waste Facility/Landfill

The NYSDEC publishes a list of Solid Waste Facilities, which include landfills, incinerators, transfer stations and other sites that manage solid wastes, known as the Solid Waste Facility Directory.

ASTM standards require the reporting of State Solid Waste Facilities within a half-mile radius of the subject property, including the subject property. A review of the directory of July 2005 indicated there are no Solid Waste Facilities listed within a half-mile radius of the subject property.

### 7.3.4 State UST List

The NYSDEC maintains a database that lists registered Underground Storage Tanks (USTs). ASTM standards require reviewing this list for the subject property and adjoining sites.

### PBS - Petroleum Bulk Storage

The PBS database lists facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. A review of the directory of January 2002 indicated that the subject property is a registered petroleum bulk storage facility (PBS ID: 2-091065).

The Buffalo General Hospital 100 High Street Buffalo, NY 14203 PBS ID: 9-451320

Location: subject property.

Buffalo General Hospital is registered as having two 26,000-gallon underground storage tanks in service which were installed 6/1/1967. There was one spill on the subject property. But the spill has been cleaned up and the case was closed. Three other USTs (one 5,000 gallon no. 2 fuel oil UST, one 10,000 gallon no. 2 fuel oil UST and one 500 gallon gasoline UST,) were closed and removed in October 1998. The USTs on the subject property would not pose an environmental concern.

A review of the directory of January 2002 indicated that the adjoining property is a registered petroleum bulk storage facility (PBS ID: 2-091065).

Roswell Park Cancer Institute-NYSDOH 666 Elm Street (@Carlton) Buffalo, NY 14263 PBS ID: 9-125415

Location: adjoining property.

Roswell Park Cancer Institute is registered as having two 26,500-gallon underground storage tanks (installed in 1966) are temporarily out of service. There was one spill on this adjoining property. But the spill has been cleaned up and the

Phase I Environmental Site Assessment

case was closed. The USTs on the adjoining property would not pose an environmental concern.

# CBS - Chemical Bulk Storage

The CBS database lists facilities that store regulated hazardous substances in tanks of any size. A review of the directory of January 2002 indicated that neither the subject property nor adjoining properties are identified as a chemical bulk storage facility.

# MOSF - Major Oil Storage Facility

The MOSF database lists onshore facilities or vessels with petroleum storage capacities of 400,000 gallons or greater. A review of the directory of January 2002 indicated that neither the subject property nor adjoining properties are identified as a major oil storage facility.

## 7.3.5 State Spills Database

The NYSDEC provides a database of spills of petroleum products and other hazardous materials reported to their department. This database contains information on active and inactive spills from both stationary and non-stationary sources, including Leaking Storage Tanks (LTANKS), and spills from minor sources such as motor vehicle accidents and the like (NY SPILLS).

ASTM standards require the review of LTANK spills that occurred within a half-mile radius of the subject property. A review of the November 2005 report indicated that there were 2 NY Spills and 25 LTANKS spill sites within a half mile of the subject property (including the spill on the subject property) reported to the NYSDEC and no NY SPILLS sites.

The approximate numbers of spill sites within specified distance intervals from the property are as follows:

	Distance Interval	
	from Property	Number of Spill Sites
NY Spills	0-1/8 mi.	2 (2 closed, 0 active))
LTANKS:	0 - 1/8 mi.	1 (1 closed, 0 active)
	1/8 - 1/4 mi.	9 (9 closed, 0 active)
	1/4 - 1/2 mi.	15 (14 closed, 1 active)

Ethan C. Eldon Associates, Inc.

An "active" spill is defined by the NYSDEC as a spill that has not been cleaned up and/or for which the associated paperwork is not complete. A "closed" spill is listed as cleaned up, investigation closed, which indicates that the spill has been resolved to the satisfaction of the NYSDEC.

One active spill occurred in the air approximately 2,400 feet west of the subject site. The estimated groundwater flow direction in the vicinity of the subject property is to the west-southwest. The active spill occurred in down-gradient from the subject property with respect to the local groundwater flow. It is unlikely that contaminants from this spill would have migrated to the subject property to cause adverse environmental impacts on the subject property.

#### 7.3.6 **Radon**

The New York State Department of Health maintains statistics on radon gas levels in New York State. In the area of Buffalo, 683 homes have been tested for radon gas to date. These tests yielded an average radon concentration of 1.16 picocuries per liter (pCi/L). This value is below the USEPA action level of 4.0 pCi/L. Thus, it is not likely that radon gas poses a significant environmental hazard to the subject property.

### 8.0 FINDINGS AND CONCLUSIONS

# 8.1 Findings

The findings of this Phase I Environmental Site Assessment relating to the general condition of the subject property are summarized as follows:

- 1. Buffalo General Hospital has a 16-story hospital building with two-level basement, a 2- and 3-story research building (occupied by Buffalo University), a 1-story garage, a 3-story building for community mental health center, a 1-story building for boilers and generators, a 4-story vacant building and two parking lots. The land uses in surrounding area are institutional and residential
- 2. No evidence of recognized environmental conditions was identified in connection with the subject property.

### 8.2 Conclusions

ECEA performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 of the property (100 High Street) identified in Erie County records as (i) Section 100.79, Block 2, Lot 1; (ii) Section 100.80, Block 1, Lot 1; (iii) Section 100.71, Block 4, Lots 1 and 2; and (iv) Section 100.72, Block 6, Lot 1.1, in the City of Buffalo, New York. Any exceptions to or deletions from this practice are described in Section 2 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

### 9.0 DISCLAIMER

Under no circumstance is any liability of ECEA to exceed the amount of the fee paid for this report.

# 10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Ethan C. Eldon Associates, Inc.

Investigator

Aimee Petkus

**Environmental Scientist** 

Date l/30/06

Investigator

Chunyuan Li, Ph.D., P.E.

Technical Director

Date <u>/30/06</u>

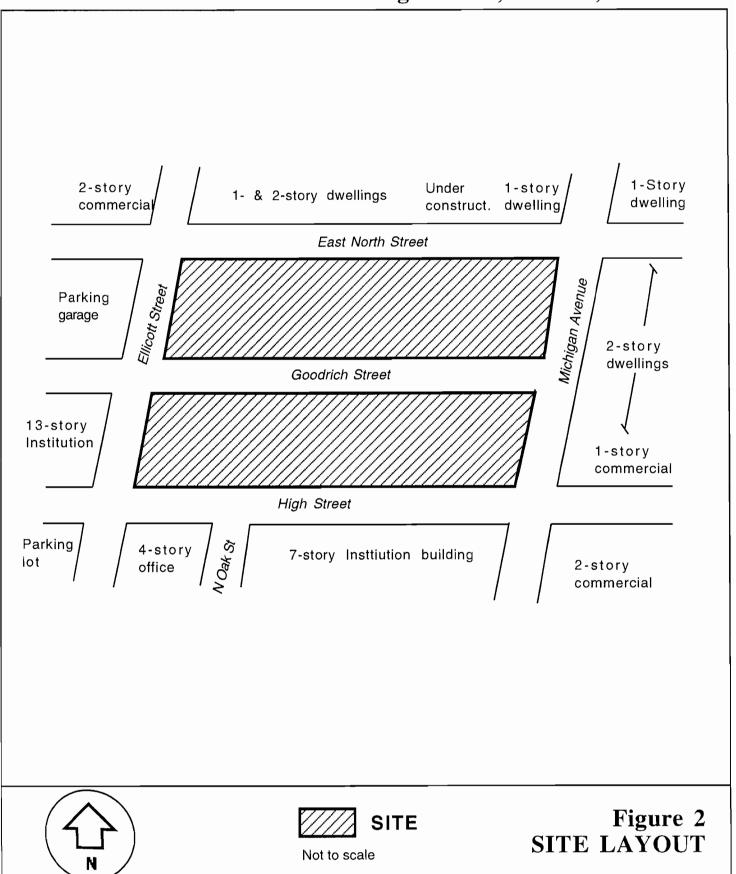
Reviewer

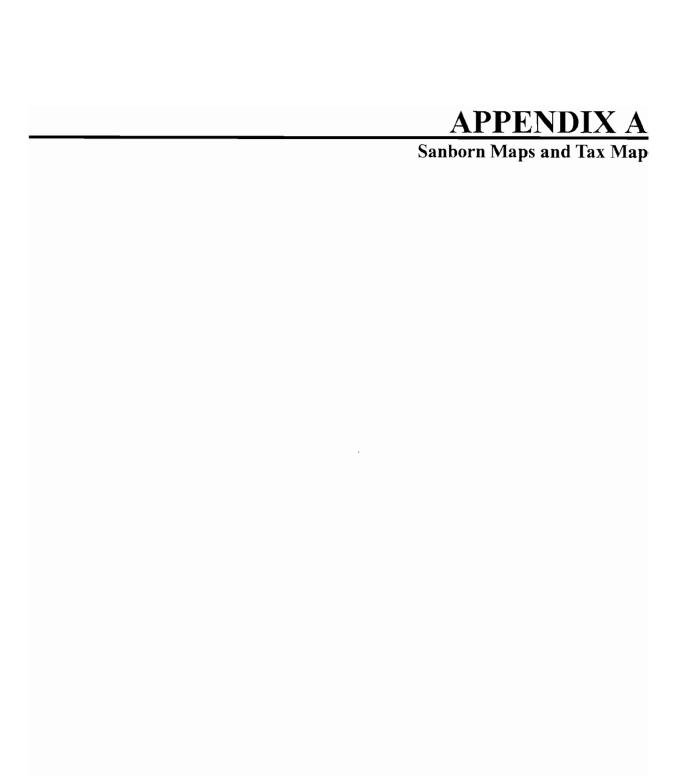
Ethan C. Eldon

President

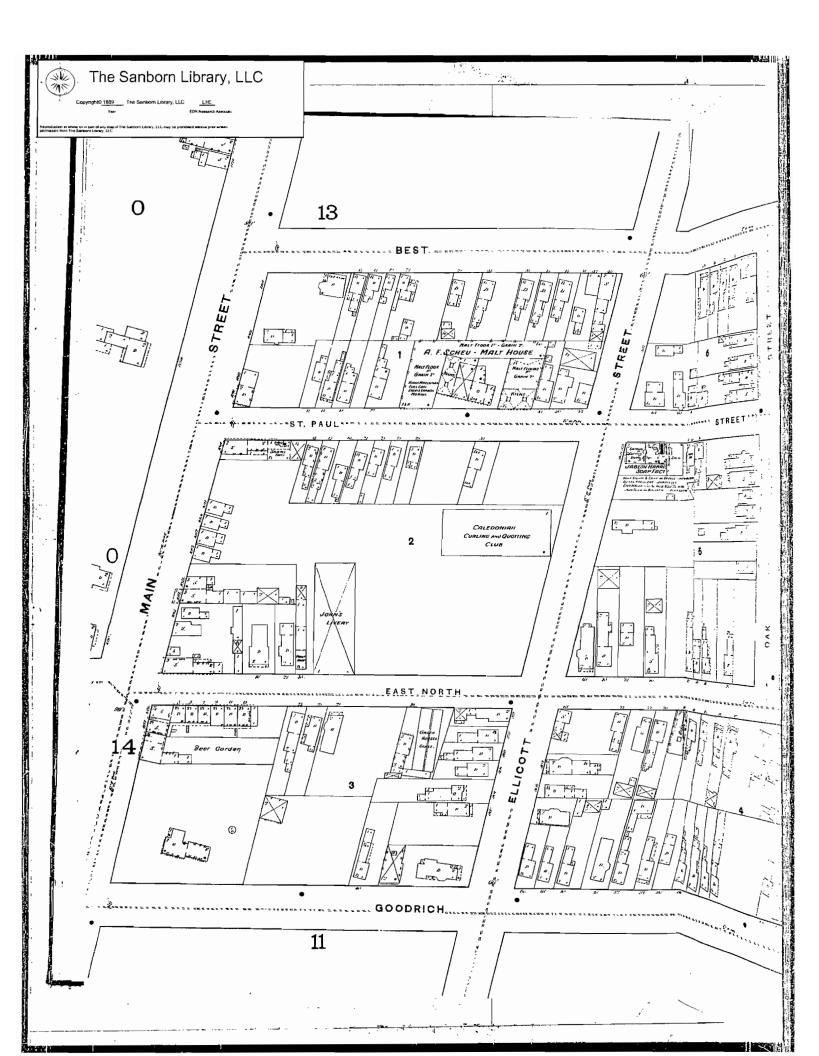
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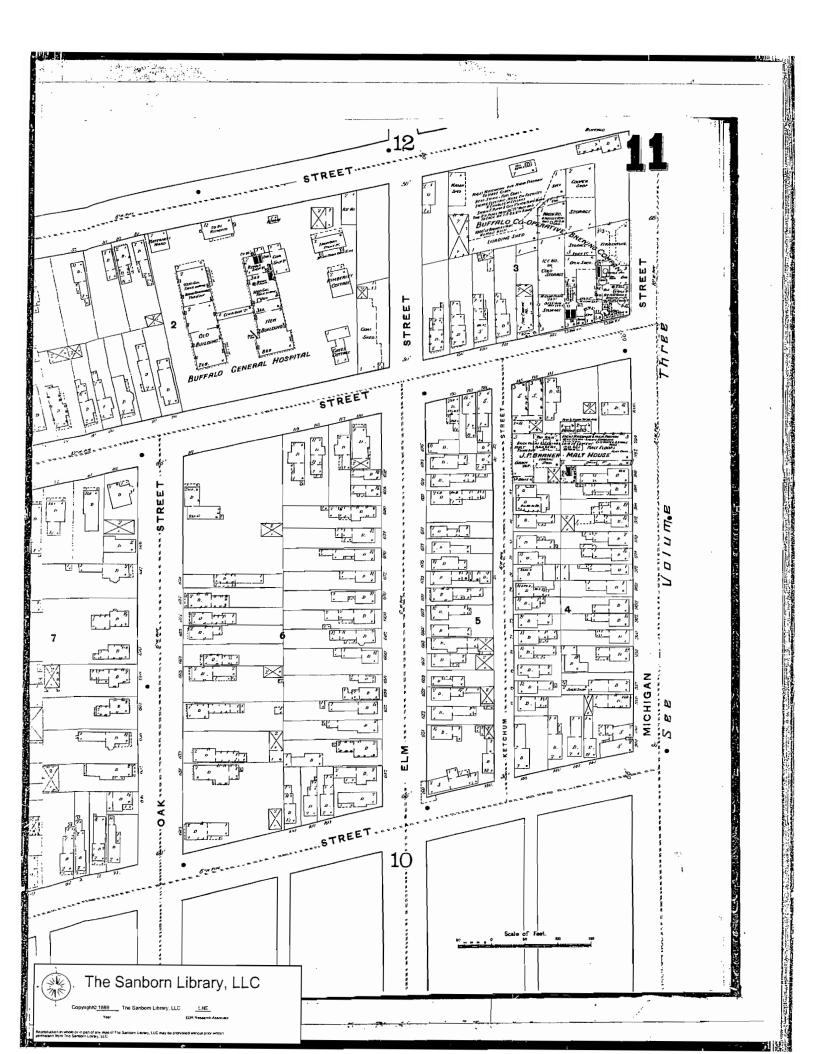
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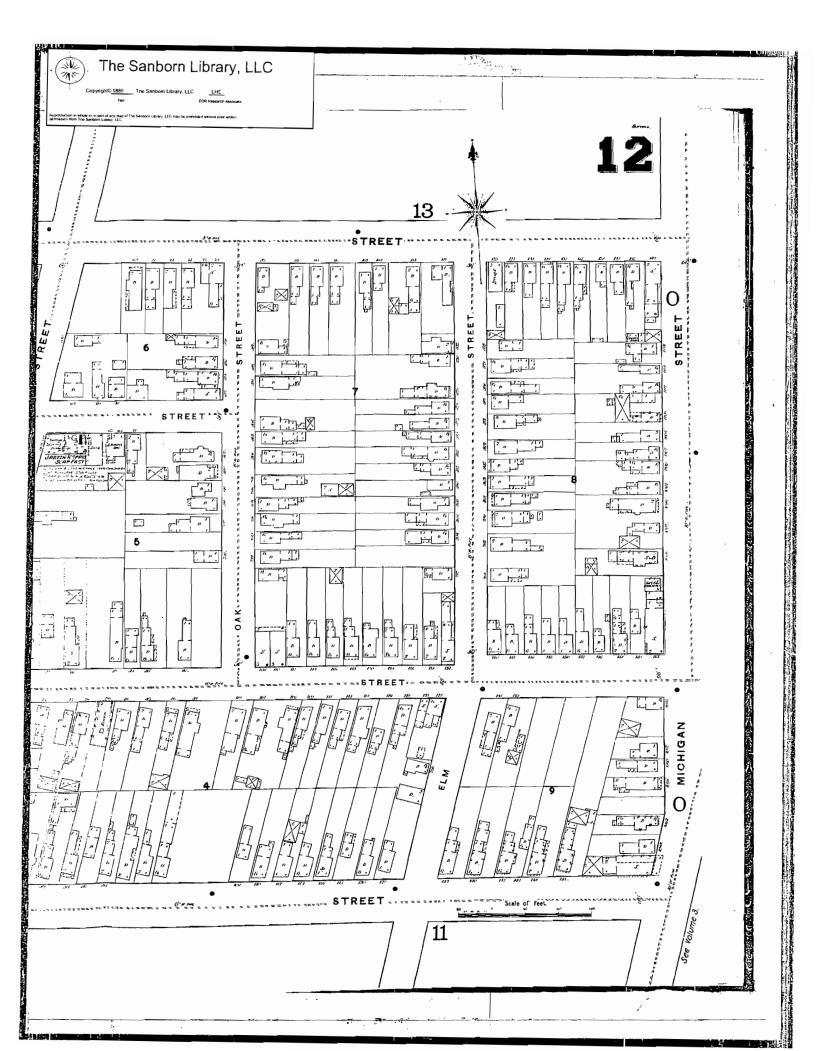


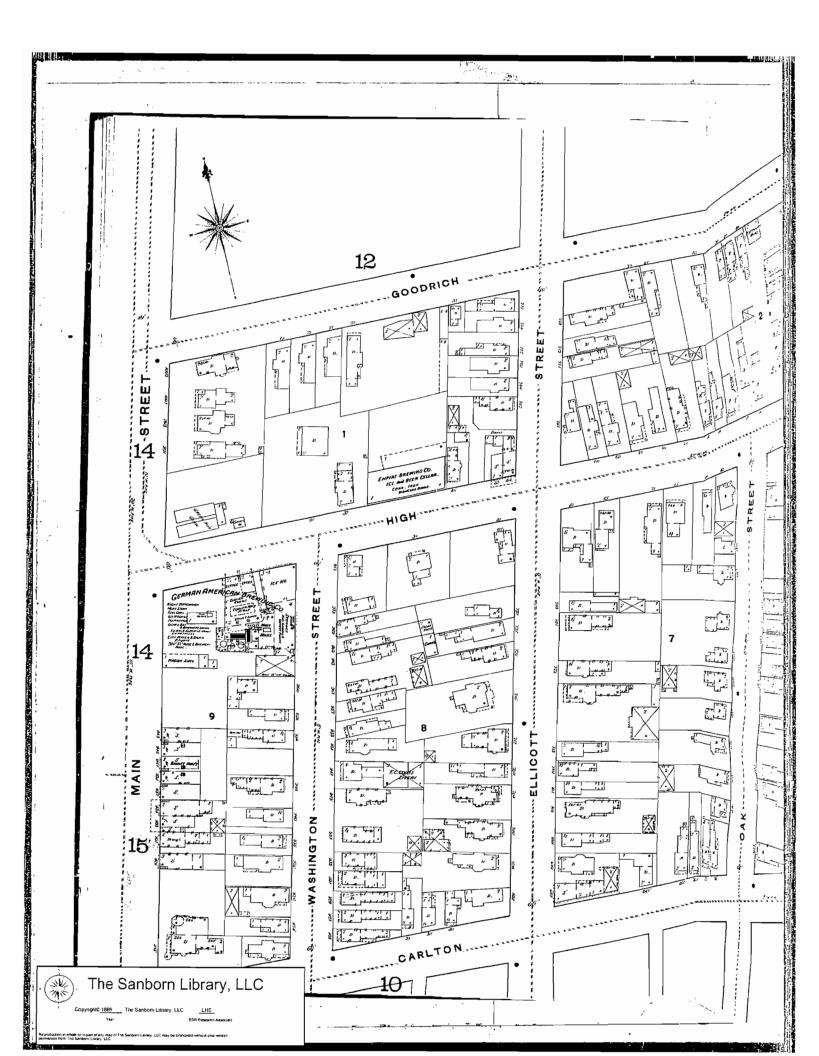


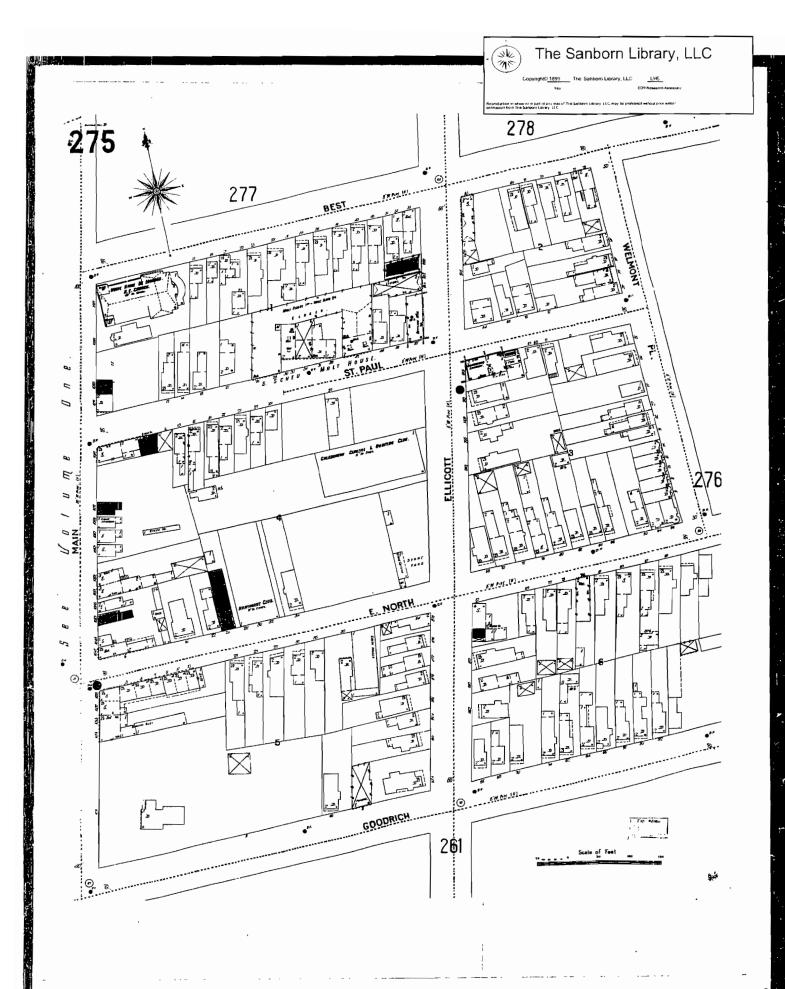
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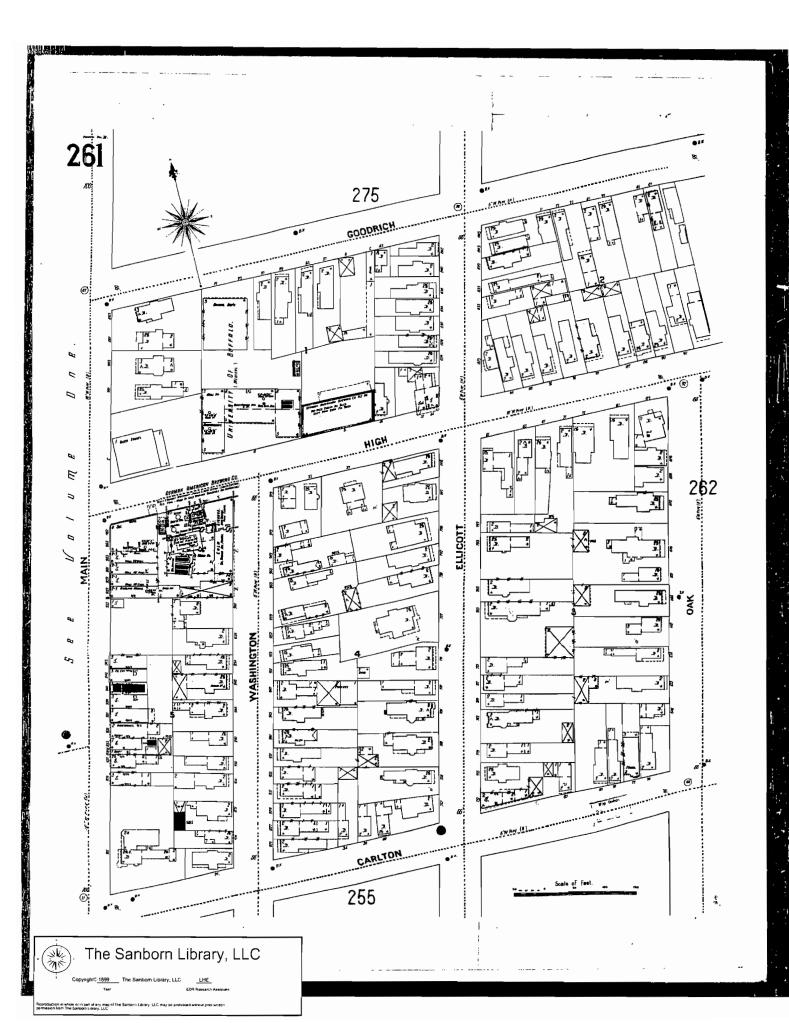


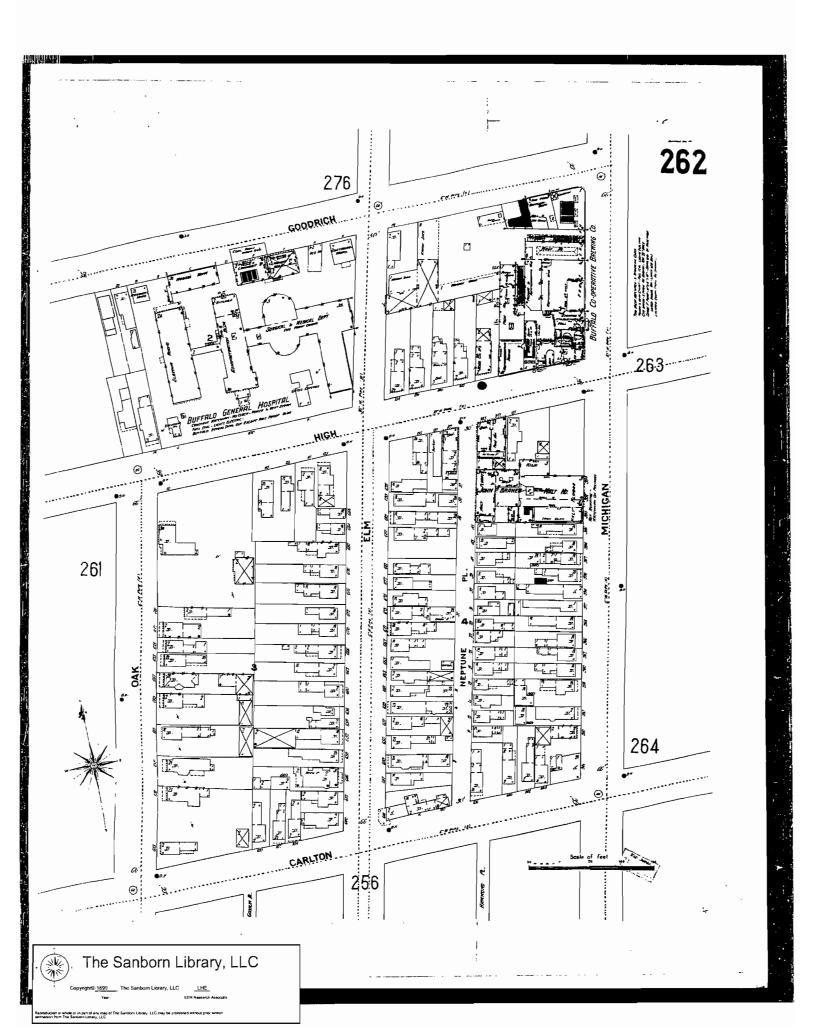


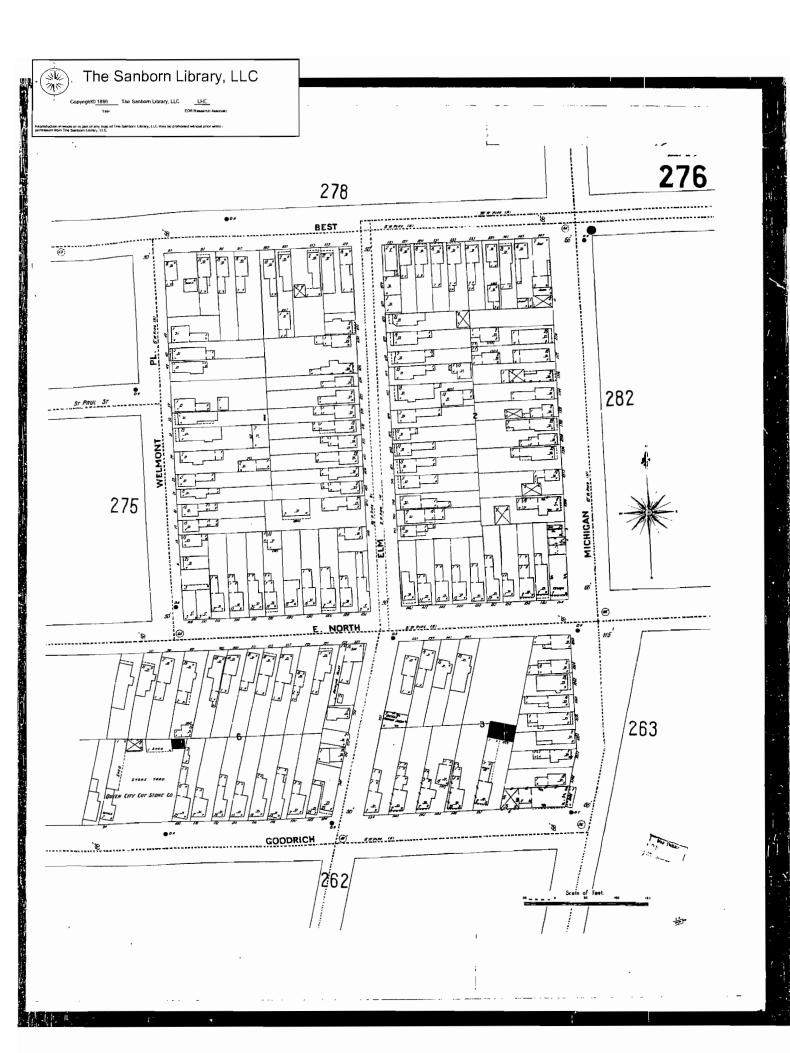


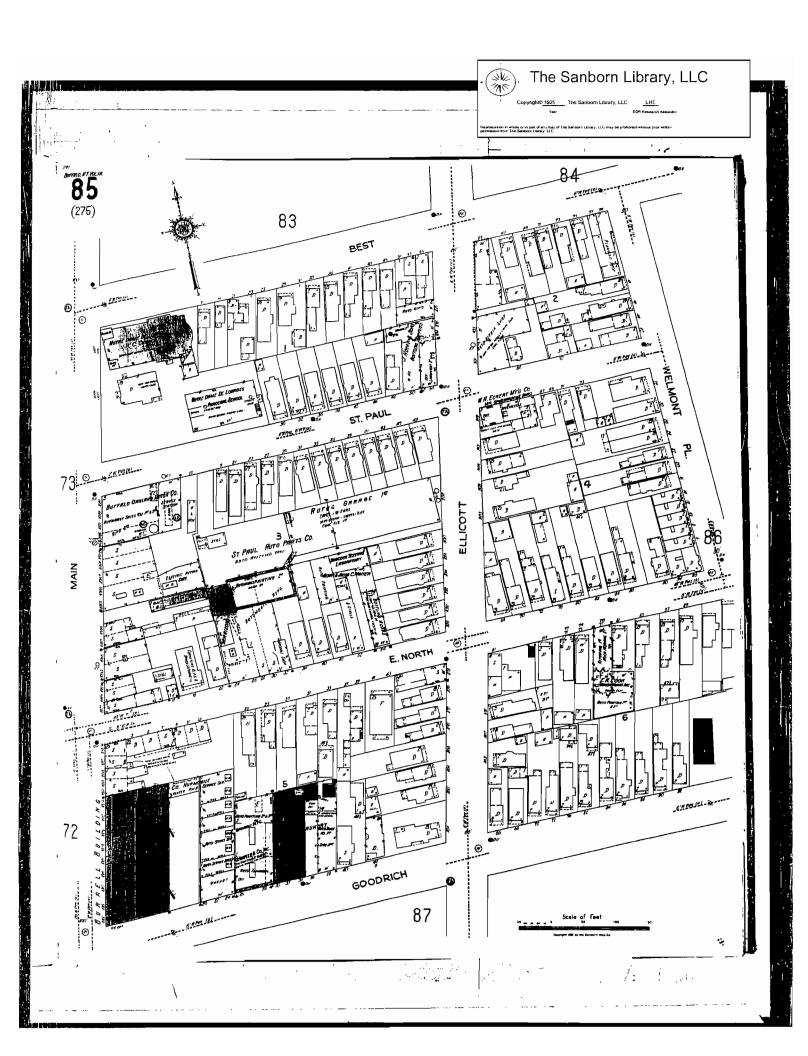


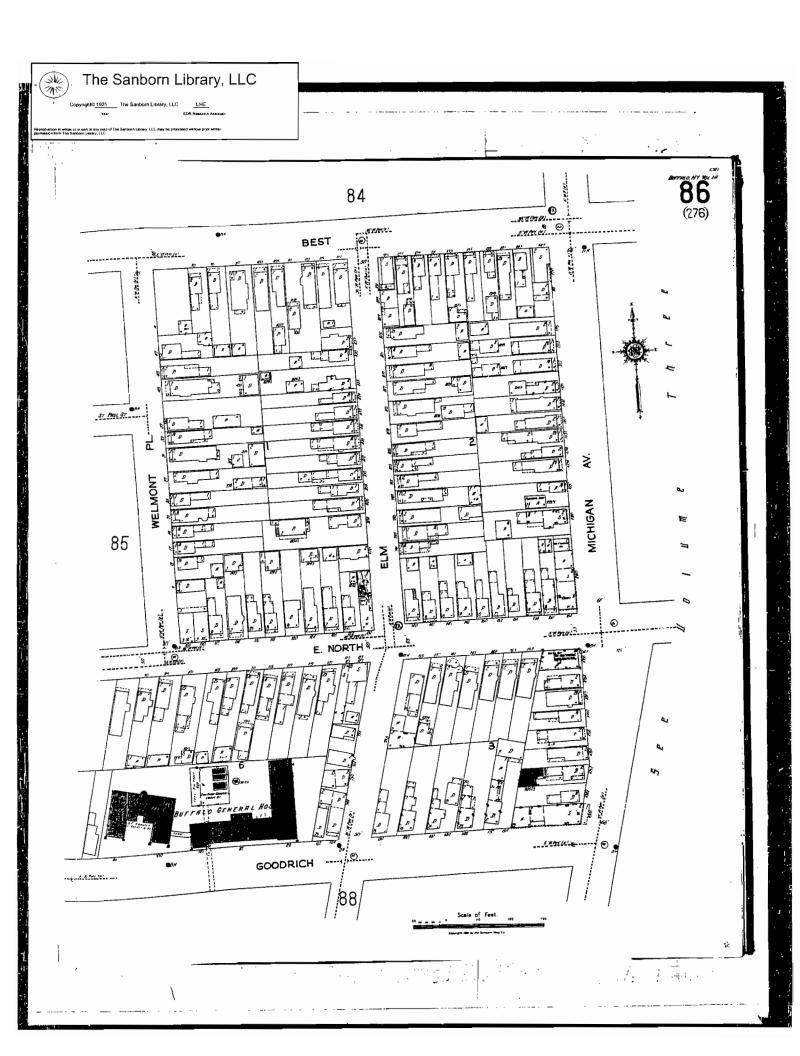


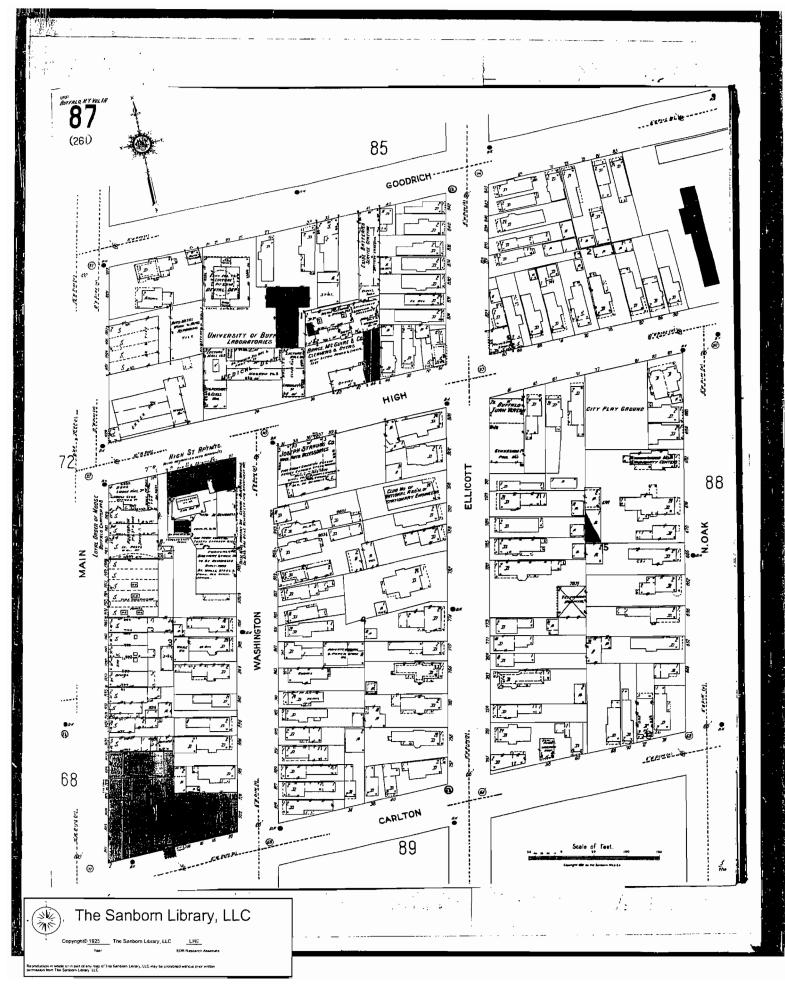


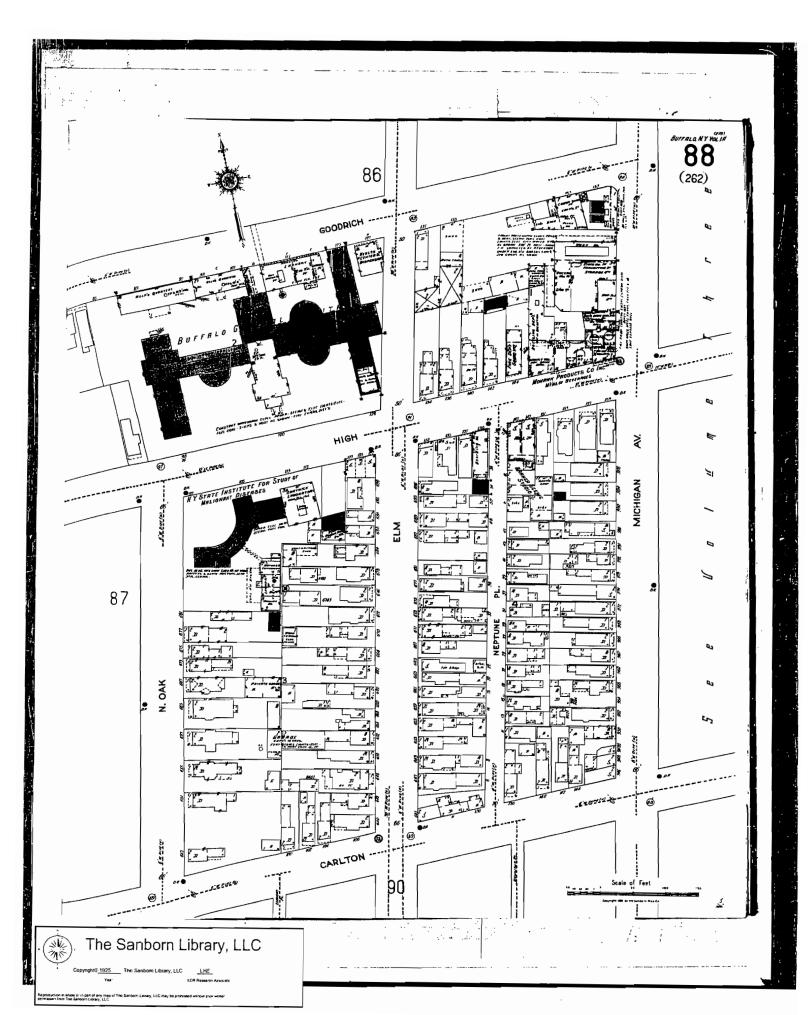


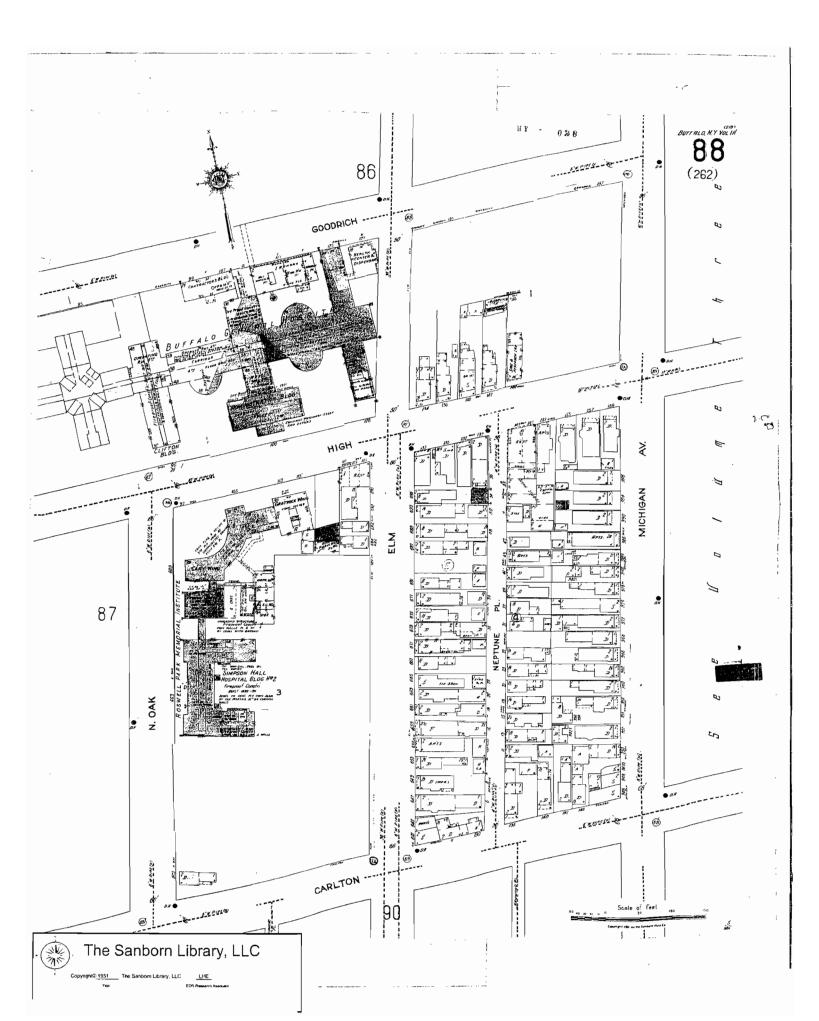


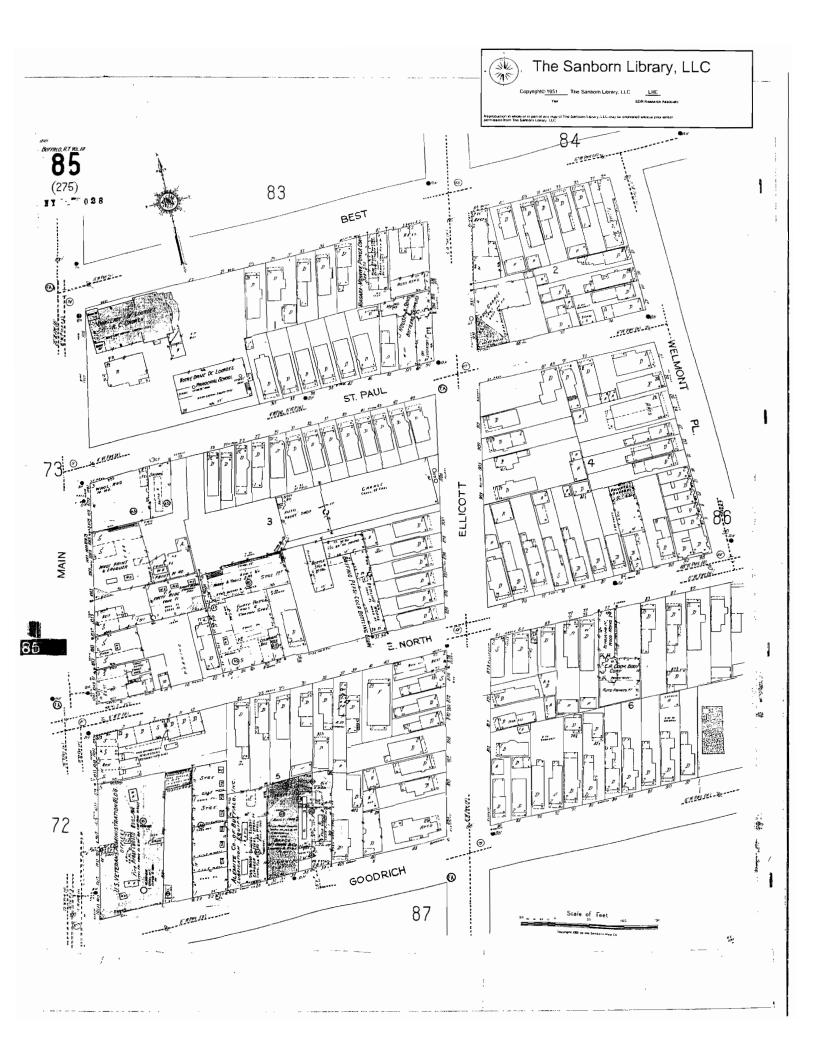


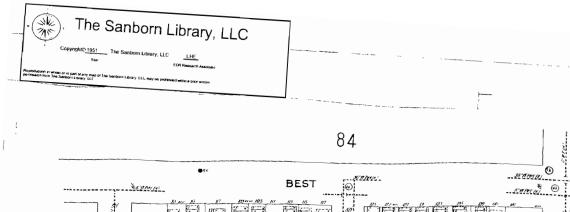


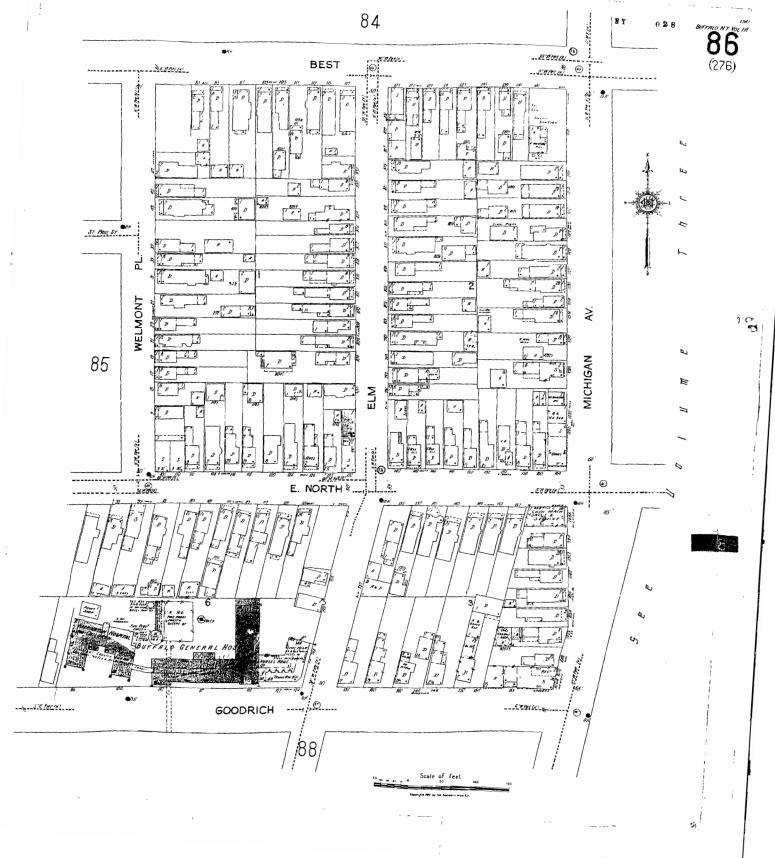


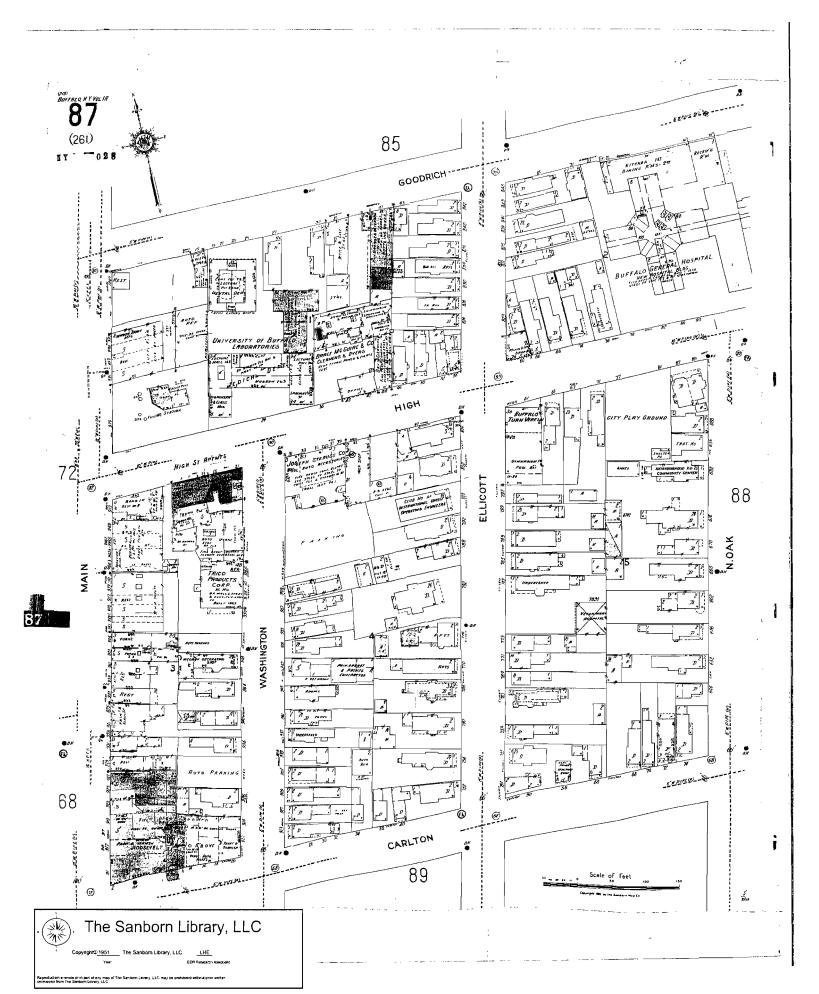


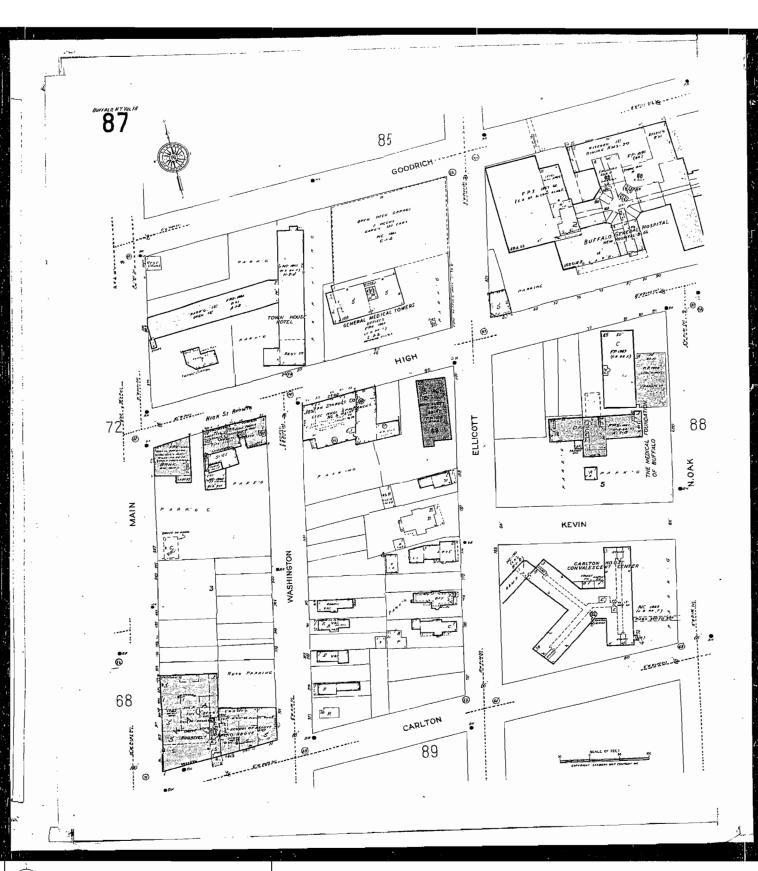










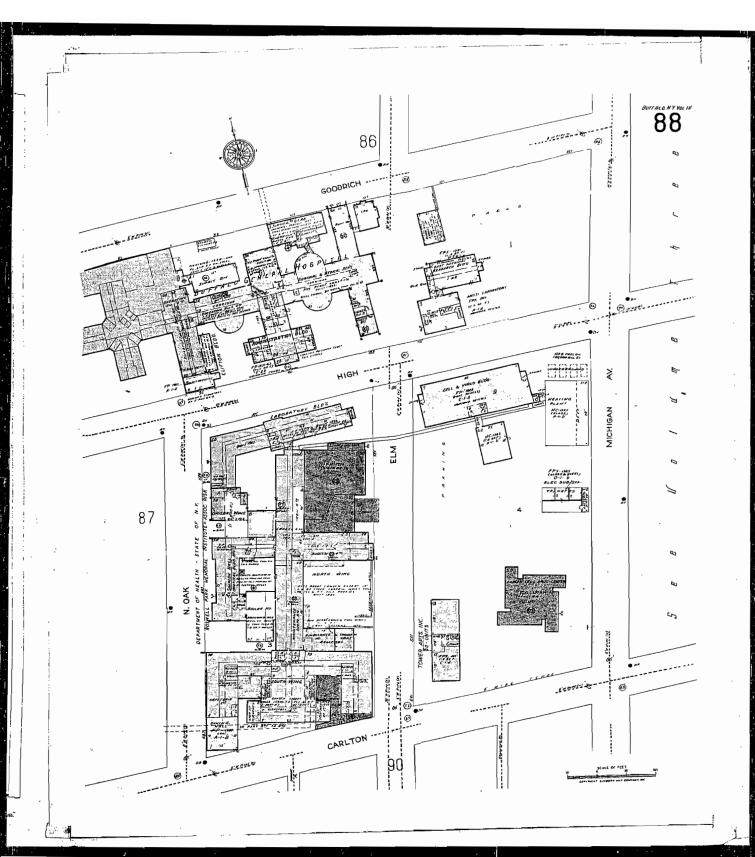


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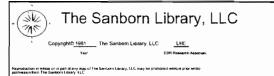
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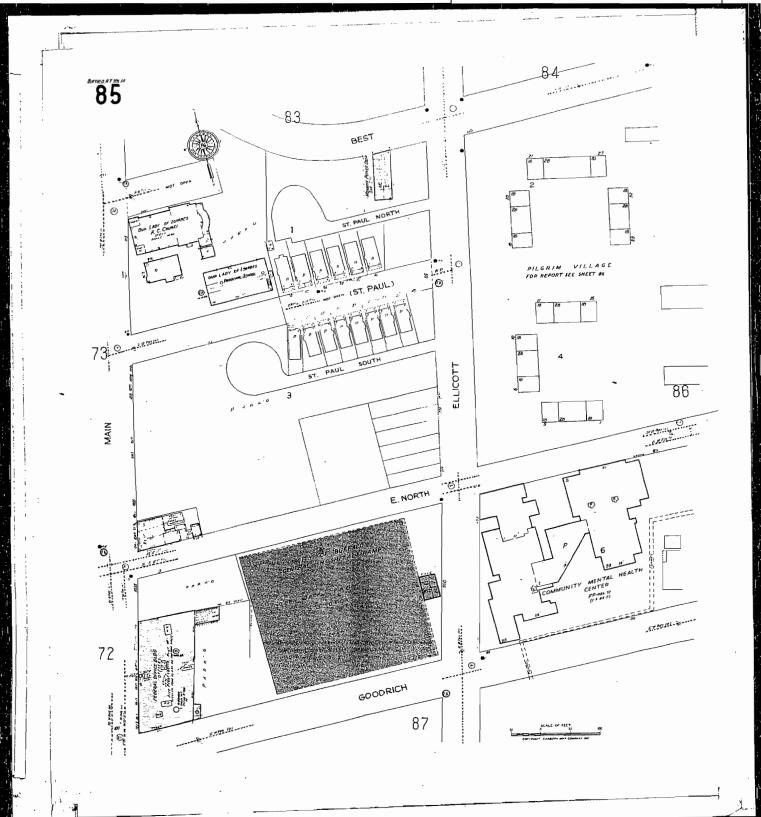
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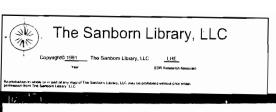
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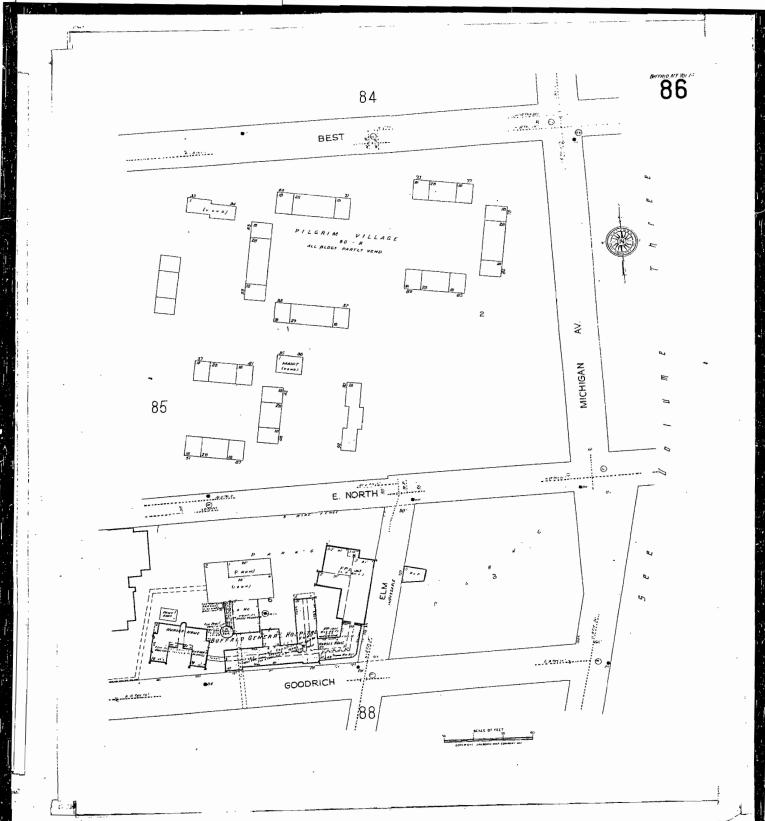
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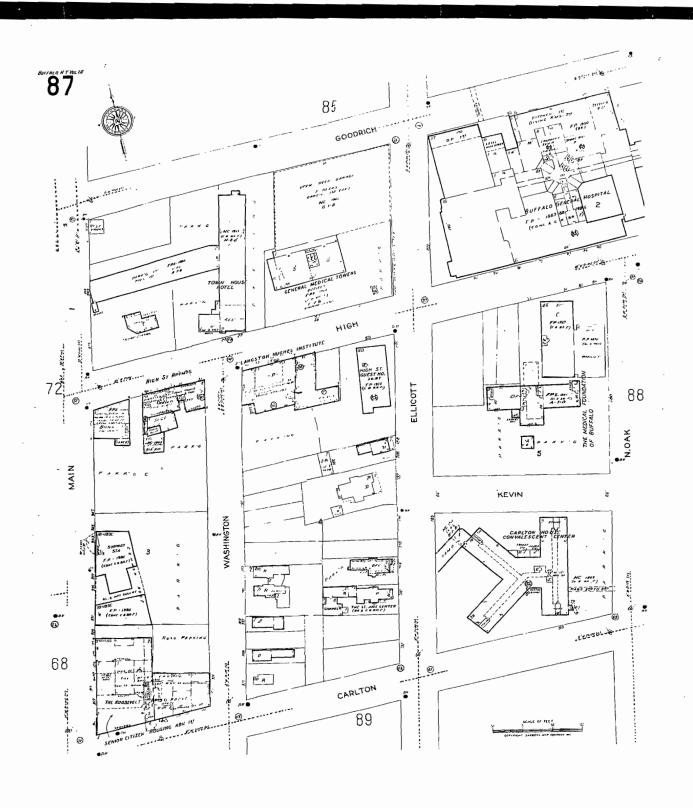
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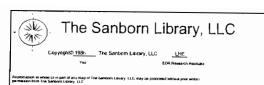


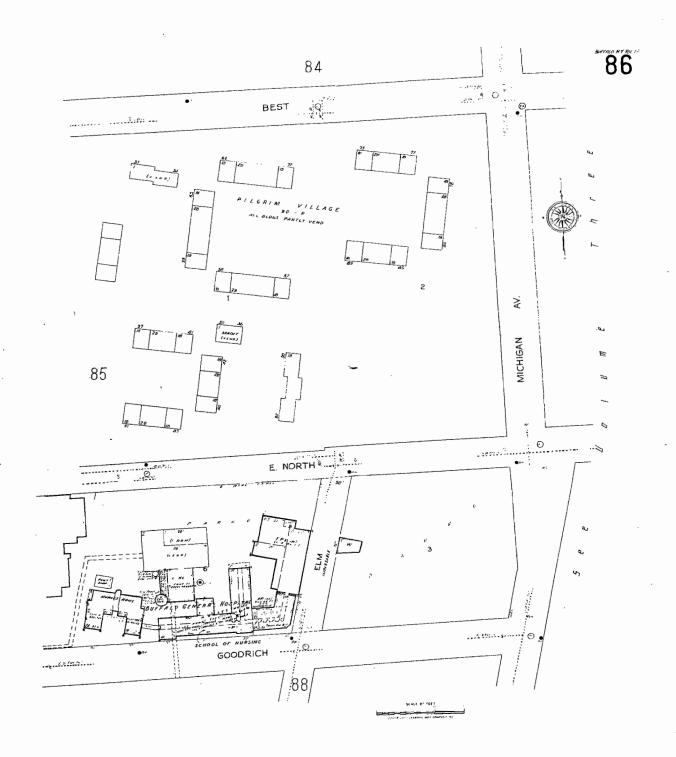
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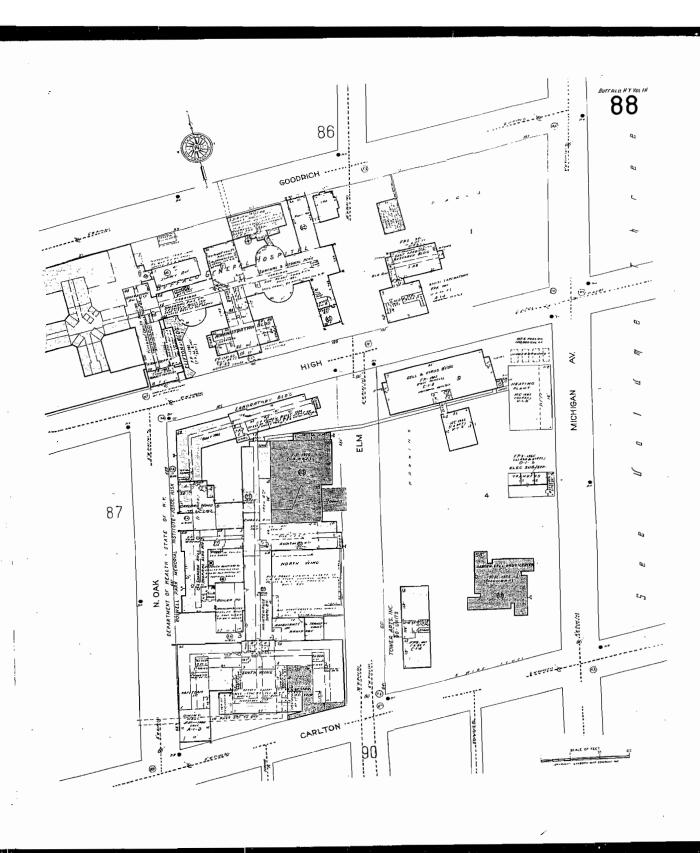
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EDIT Research Associate

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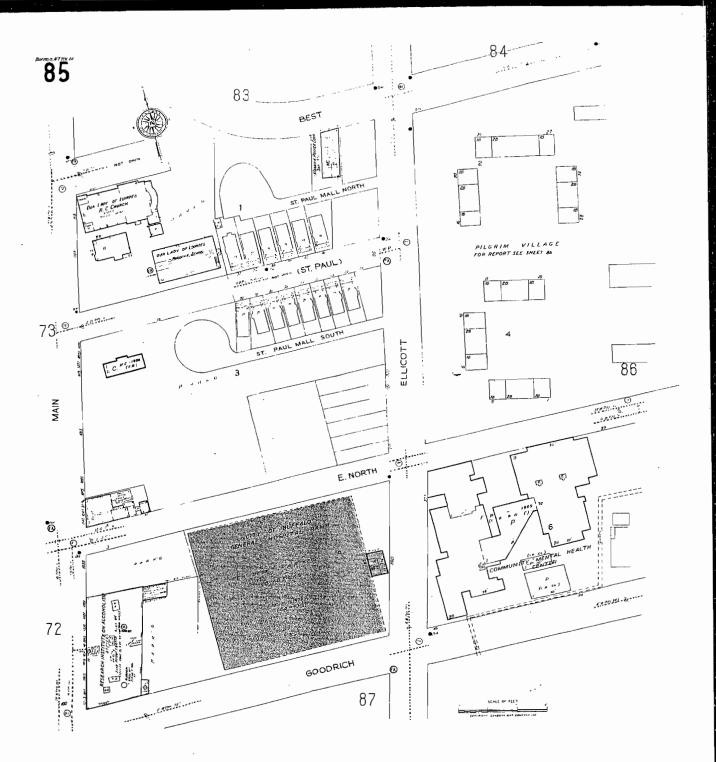
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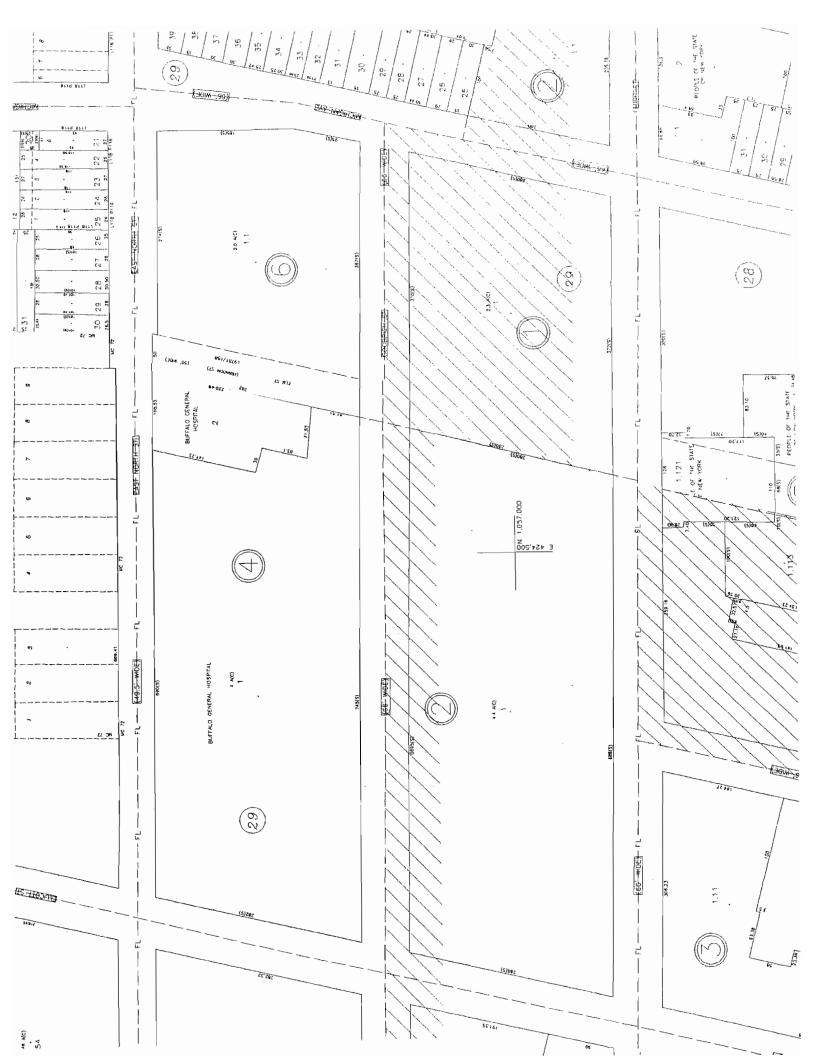
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EDR Research Associate

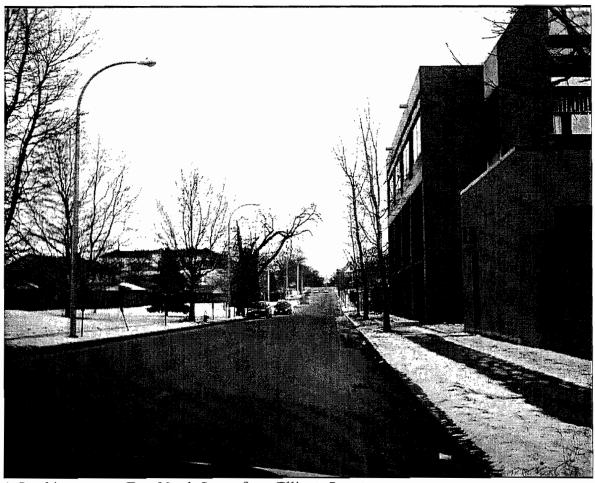
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## APPENDIX B Photographs



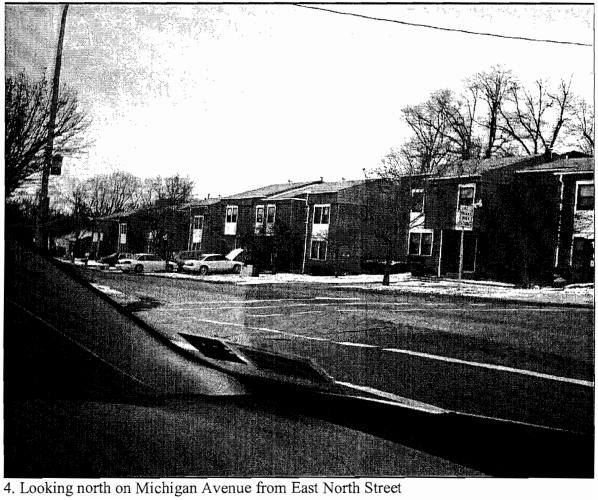
1. Looking east on East North Street from Ellicott Street



2. Looking north from Ellicott Street at the mid-street



3. Looking east on East North Street from Michigan Avenue

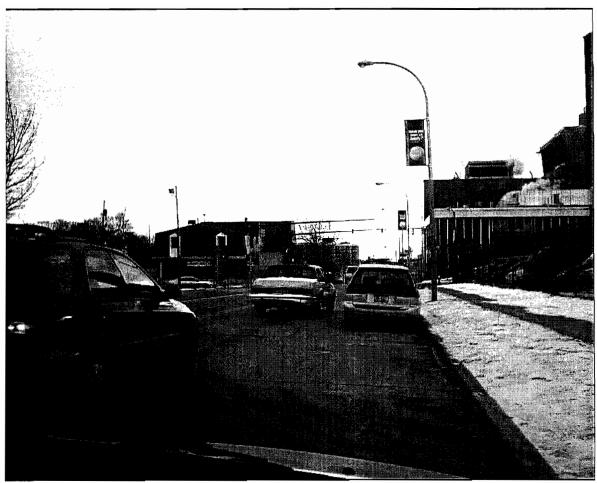




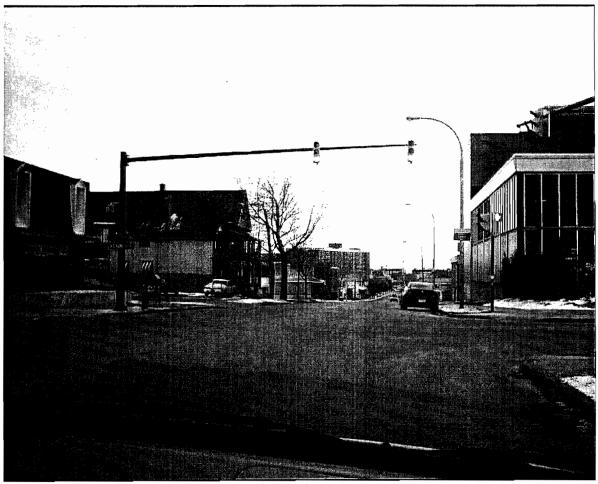
5. Looking south on Michigan Avenue from East North Street



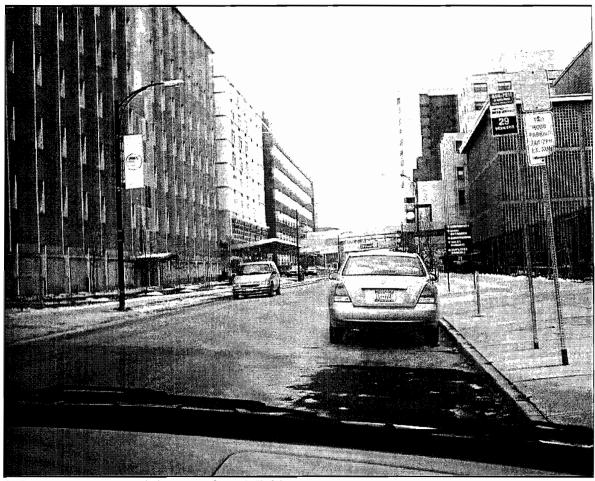
6. Looking the site from Michigan Avenue



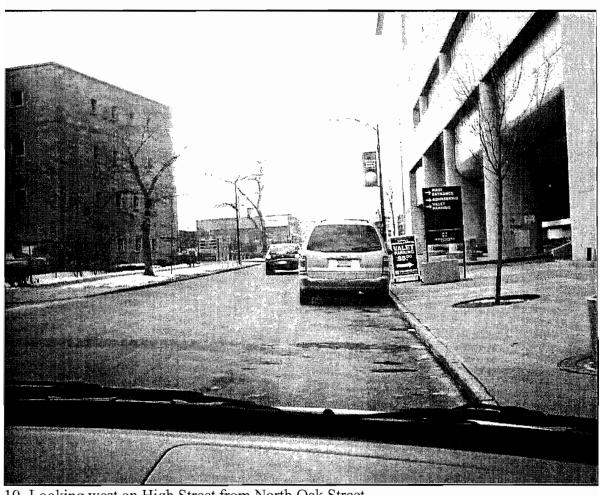
7. Looking south on Michigan Avenue from Goodrich Street



8. Looking south on Michigan Avenue from High Street



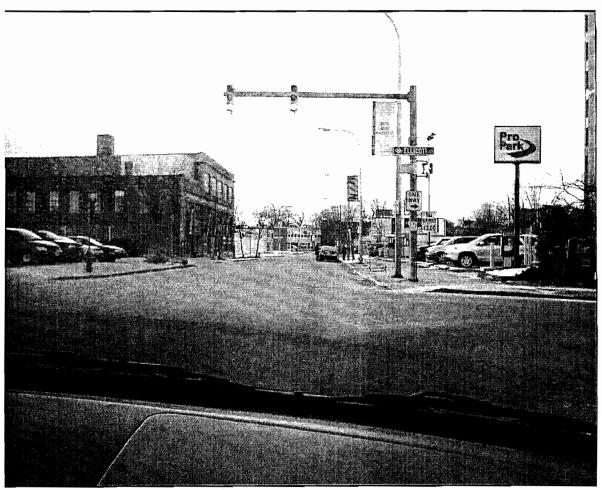
9. Looking west on High Street from Michigan Avenue



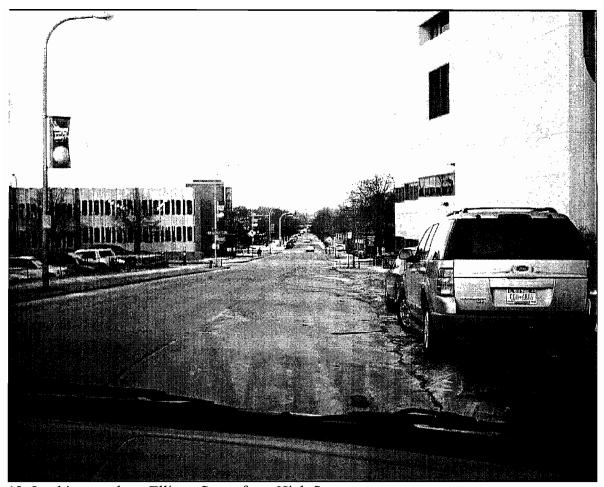
10. Looking west on High Street from North Oak Street



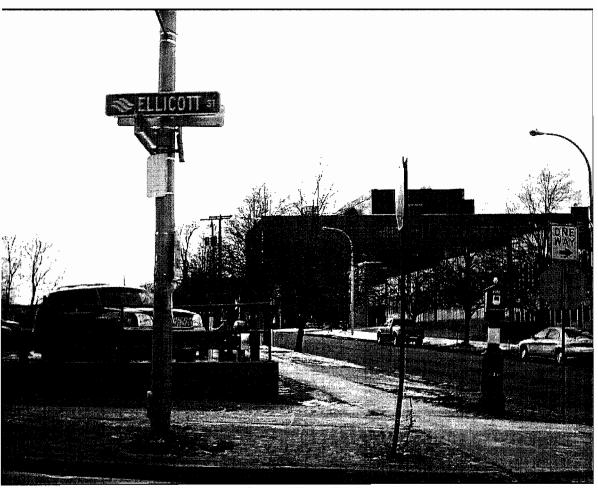
11. Looking south at High Street and Ellicott Street



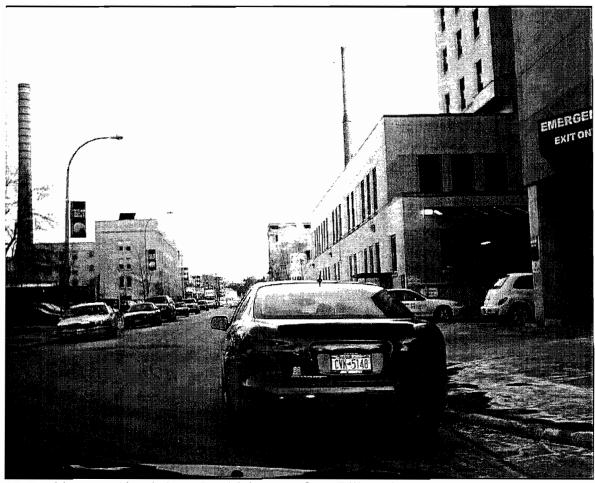
12. Looking west on High Street from Ellicott Street



13. Looking south on Ellicott Street from High Street



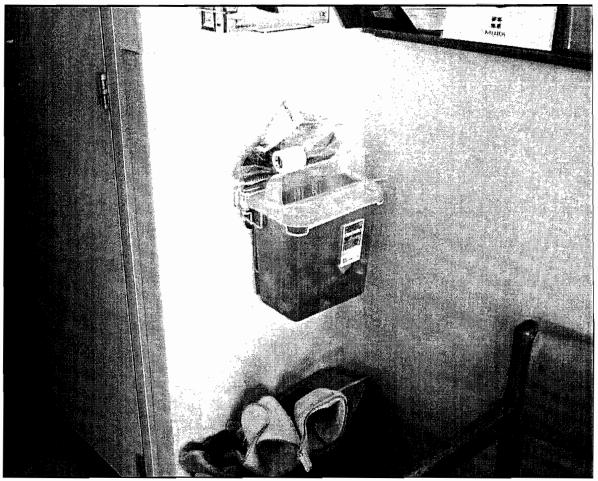
14. Looking west on Goodrich Street from Ellicott Street



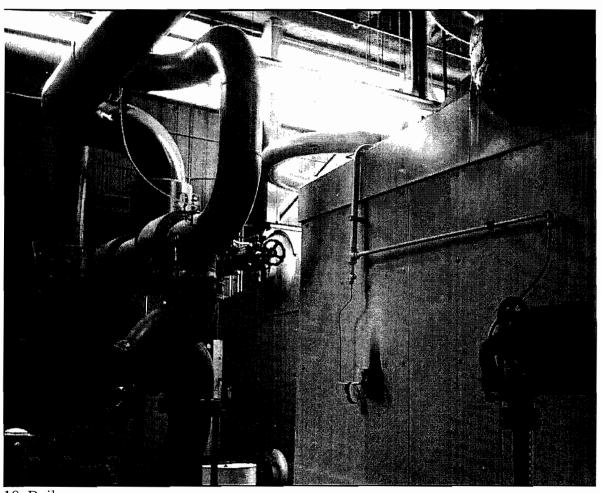
15. Looking east (the site) on Goodrich Street from Ellicott Street



16. Hazardous waste containers



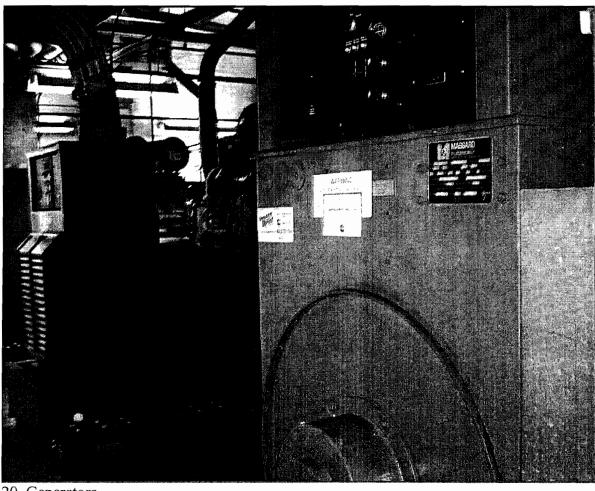
17. Medical and regular waste containers in a patient room



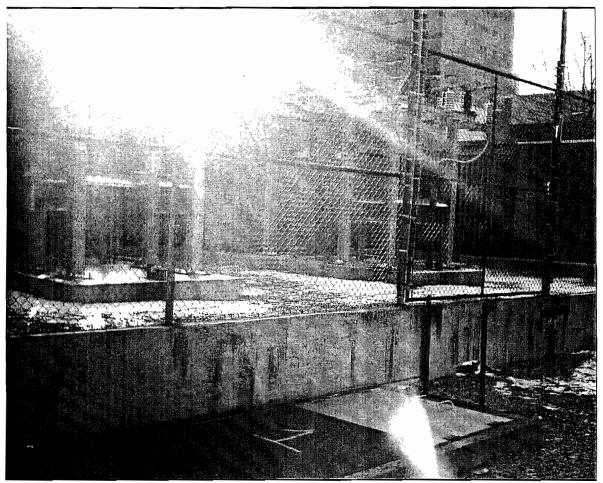
18. Boiler



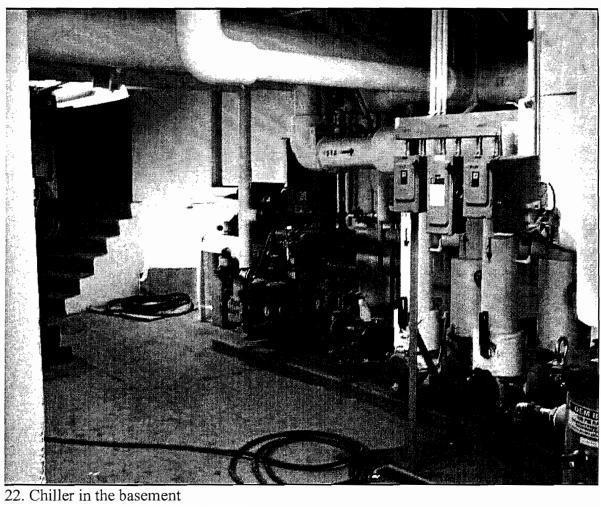
19. Mechanical room in top/roof of 16-story main building



20. Generators



21. Transformers and UST location



## APPENDIX C Tank Registration Forms

33-08-004 (12/94)-25c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

BUFFALO, NY 14203-2999 NYS DEC - REGION 270 MICHIGAN AVE

851-7220 (716)

ō BUFFALO GENERAL HOSPITAL BUFFALO GENERAL HOSPITAL 14203 OPERATOR IName and Telephone Number 14203 λį 100 HIGH ST 100 HIGH ST BUFFALO, BUFFALO, OWNER SITE TESTANG DUE DATE LAST TESTED 20,0006/30/2003 5007/30/2003 26,0006/30/2003 26,0006/30/2003 250 CAPACITY (GALLONS) Steel/Carbon Steel Steel Steel Steel/Carbon Steel Steel TANK TYPE Steel/Carbon Steel/Carbon 06/01/1967, Steel/Carbon FRP 12/20/1999 06/01/1967 10/01/1998 10/01/1998 INSTALLED 11/01/1997 DATE TANK ZEM

10 P

859-2613 MURPHY PETER 716) PETER MURPHY

(116)

6-Additionally, I recognize displayed on this wassuring that this facility is the compliance with all sections of 6-NYGHR Parts 812, 613 and 614, and applicable sections of 8 MYCRR Subpart 360-14 (used oil tanks only), not just

- The facility must be re-registered if there is a transfer of
- · The Department must be notified within 30 days prior to adding, řeplacing, seconditioning, or permanently closing a ownership
  - The lacility must be operated in accordance with the code for
- Any new facility or substantially modified facility must comply storing petroleum, 6 NYCRR Part 513. WITH & NYCHR Part 614.
- Posting must be at the tank, at the entrance of the facility, or This certificate must be posted on the premises at all times the main office where the storage tanks are located.

need

\* Aboveground tanks require monthly visual inspections and may

documented internal

inspections as described in 6NYCRR Pt.

MAILING CORRESPONDENCE

Crotty

E

Erin

Commissioner

ISSUED BY:

PETROLEUM BULK STORAGE ID NUMBER 9-451320

Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours (1.800-467.7382).

Signature of Authorized Representative/Owner

BUFFALO GENERAL HOSPITAL

PETER MURPHY

14203

BUFFALO, NY 100 HIGH ST

EXPIRATION DATE 07/28/2008

/02/2004

0 FEE PAID

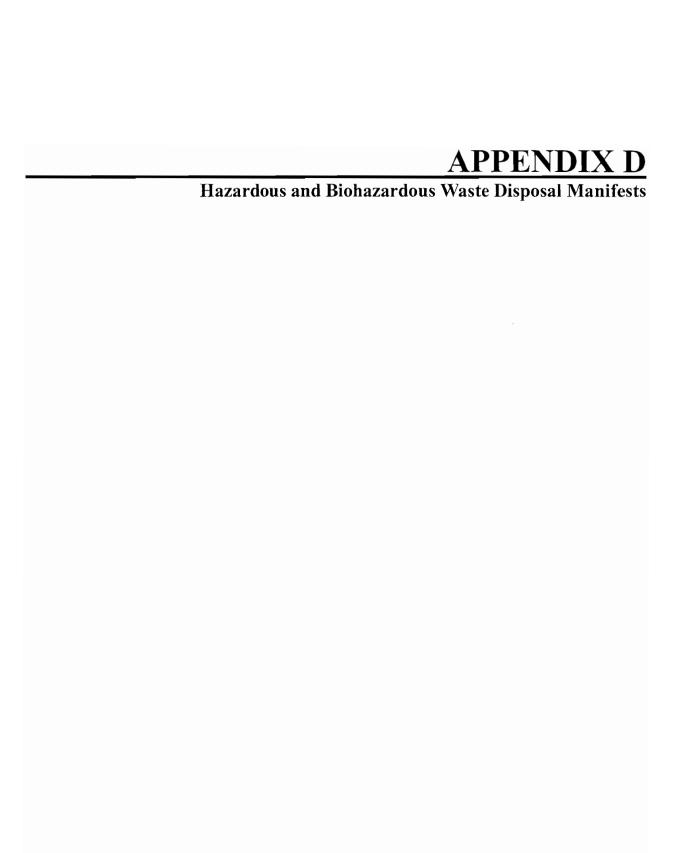
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Name of Authorized Representative lowner (Please Print)

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE



Ethan C. Eldon Associates, Inc.

8437571 WASTE AND MAZARDOUS MATERIALS DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

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17	5. GENE clean of 1 : to be proper Print 7. Tran	match's Central Med, packed, marked me a large quantity occommently promise in market by the med/Typed Name opporter 1 Acknowled Typed Name of	d, and labeled, and are in grant property. I control of	in all respects in partitles I flore a pro- flore and the ward- and the ward-cover at respined that is an  Receipt of Ma	oper condition for tragram in place to practicelle methods with sevin; OR; it I am altable to see and the Signisterials	wroport by highway a reduce the volume od of treatment, at a small quantity of at I can allord	econding to ( and toxicit brade, or d	about c A cy mai	intermitorial and a de geoverned to t surrently available	Mon	here de chine de chin
17	5. Cases cleans of 1 s to be present general Prints 7. Tran	match's Central Med, packed, marked me a large quantity occommently promise in market by the med/Typed Name opporter 1 Acknowled Typed Name of	d, and labeled, and are in generated, contay and intended and that I have been been been been been been been be	in all respects in partitles I flore a pro- flore and the ward- and the ward-cover at respined that is an  Receipt of Ma	oper condition for tragram in place to practicelle methods with sevin; OR; it I am altable to see and the Signisterials	wroport by highway a reducer the volume of of seatment, at a small quentity of i can afford.	econding to ( and toxicit brade, or d	about c A cy mai	intermitorial and a de geoverned to t surrently available	edional governaments of the targets with the me with affort to my Mon O:	here de che reinim le reinim Date Date Date Date Date
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17	5. CENT class of 1 is to be prese gene Print 7. Tran Print Print	ENATOR'S CENTIFIC Med, packed, marked in a large quantity economically pre- int and fixture free ration and extent free rad/Typed Name sporter 1 Ackn red/Typed Name sporter 2 Ackn sporter 2 Ackn	d and lithelied, and are in generator, conting by generator, conting interest and the literator insulation in the literator insulation in the literator insulation in the literator in the litera	in all respects in partitles I flore a pro- flore and the ward- and the ward-cover at respined that is an  Receipt of Ma	oper condition for tragram in princip to practicable methors, CR; tr I am alkable to sive and the Significants of the significant of the significa	wroport by highway a reducer the volume of of seatment, at a small quentity of i can afford.	econding to ( and toxicit brade, or d	about c A cy mai	intermitorial and a de geoverned to t surrently available	edional governaments of the targets with the me with affort to my Mon O:	Date  Date  Date  Date  Date  Date  Date  Date
177	5. CENT class of 1 is to be prese gene Print 7. Tran Print Print	enation's CERTIFIC Med, packed, marked, packed, marked in a large quantity occurrence of the second medical policy and select like tradity packed in a marked in a	d and labeled, and are in a generator, 1 conting a generator, 1 conting and the 1 in the sent was a free or the se	in all respects in partitles I flore a pro- flore and the ward- and the ward-cover at respined that is an  Receipt of Ma	oper condition for tragram in princip to practicable methors, CR; tr I am alkable to sive and the Significants of the significant of the significa	wroport by highway a reducer the volume of of seatment, at a small quentity of i can afford.	econding to ( and toxicit brade, or d	about c A cy mai	intermitorial and a de geoverned to t surrently available	edional governaments of the targets with the me with affort to my Mon O:	Date  Date  Date  Date  Date  Date  Date  Date
17	6. Careticles of the close of t	enaton's Centification packed, marked in a large quantity occoromically present and future firm and future firm and select the rad/Typed Name opporter 1 Action and Typed Name opporter 2 Action (ed/Typed Name opporter op	d and lithelied, and are in a generator, a careful content interest and that I not to learned insafe. See the least waste making when the least waste least least waste least leas	in all respects in an titlet I felve a professor association the and the environment routhed that is every control of the Receipt of Market and	oper condition for it operan in place to practicable method in the practicable method in the practicable method in the same stable to rive end the same stable to rive end the same stable to rive end the same same same same same same same sam	propert by highway a reduct the volume od of treatment, at a small quantity out I can alroy.  BILITE	occording to a and traced bridge, or distriction, if	ppileable y di seri	Institute of the control of the generated to the control of the co	Mon	Date  Date  Date  Date  Date  Date  Date  Date
17	6. Careticles of the close of t	enaton's Centification pecked, interfect pecked, interfect in a large quantity according to a large quantity according to the pecked by a content of the pecked by the pec	d and labeled, and are in a generator, 1 conting a generator, 1 conting and the 1 in the sent was a free or the se	in all respects in an titlet I felve a professor association the and the environment routhed that is every control of the Receipt of Market and	oper condition for it operan in place to practicable method in the practicable method in the practicable method in the same stable to rive end the same stable to rive end the same stable to rive end the same same same same same same same sam	propert by highway a reduct the volume od of treatment, at a small quantity out I can alroy.  BILITE	occording to a and traced bridge, or distriction, if	ppileable y di seri	Institute of the control of the generated to the control of the co	Mon	Date  Date  Date  Date  Date  Date  Date  Date

Extra Charges:

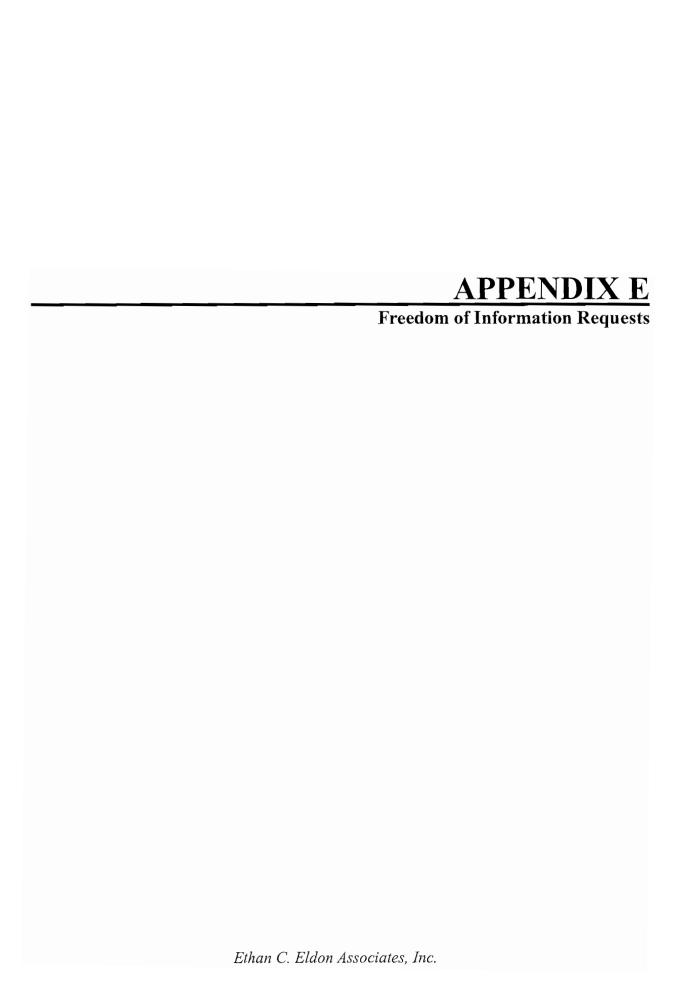
Disposai: \_

Size:

₹

8106738-001

Account Number: \_





### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

A P P L I C A N T	After inspection, should I desire copies of all or part of hereby offer to promptly pay the established fees. (Cost will exceed \$ 10.00  Name (Print or type) Fthan C. Eldon Attention of: Aimll Petkus  Mailing Address 1350 Broad wo  Signature Frovided  To THE APPLICANT:  -Records Provided  Records have been (partially, fully) provided	Ides of underground Storage tank, down waste, casiporals, groundurent, spills  The records inspected, I will identify the records to be copied and of reproduction or 25¢ per page as applicable). Contact me if cost as a special cost of the records inspected, I will identify the records to be copied and of reproduction or 25¢ per page as applicable). Contact me if cost as a special cost of the records are as a specia	**		
R E C O R D S	expected to be fully provided:  —Records Not Available  □ Records cannot be found after diligent search  □ The Department is not the custodian for records indicated  —Records Denied  I hereby certify that access to the records—or part of the records—circled above has been denied to the applicant for the reason(s) checked below:				
U S F O D D I A N	<ul> <li>□ Specifically exempt by other statute</li> <li>□ Unwarranted invasion of personal privacy</li> <li>□ Would impair present or imminent contract awards or collective bargaining negotiations</li> <li>□ Are examination questions or answers</li> <li>□ Are inter-agency or intra-agency materials that are not:         <ul> <li>statistical or factual tabulations or data</li> <li>instructions to staff that affect the public</li> <li>final agency policy or determinations; or</li> <li>external audits, including but not limited to audits performed by the comptroller and the federal government</li> </ul> </li> <li>□ Are trade secrets</li> </ul>	<ul> <li>□ Could endanger the life of any person</li> <li>□ Are compiled for law enforcement purposes and which, if disclosed would:         <ul> <li>interfere with law enforcement investigations or judicial proceedings</li> <li>deprive a person of the right to a fair trial or or impartial adjudication</li> <li>identify a confidential source or disclose confidential information relating to a criminal investigation, or</li> <li>reveal criminal investigative techniques or procedures, except routine techniques and procedures</li> <li>□ Would jeopardize an agency's capacity to guarantee the security of its information technology assets, such assets encompassing both electronic information systems and infrastructures</li> </ul> </li> </ul>			
,	lentification of records withheld (attach listing if additional space is required) and/or explanation if appropriate:				
-	Records Custodian Signature	Title Date			

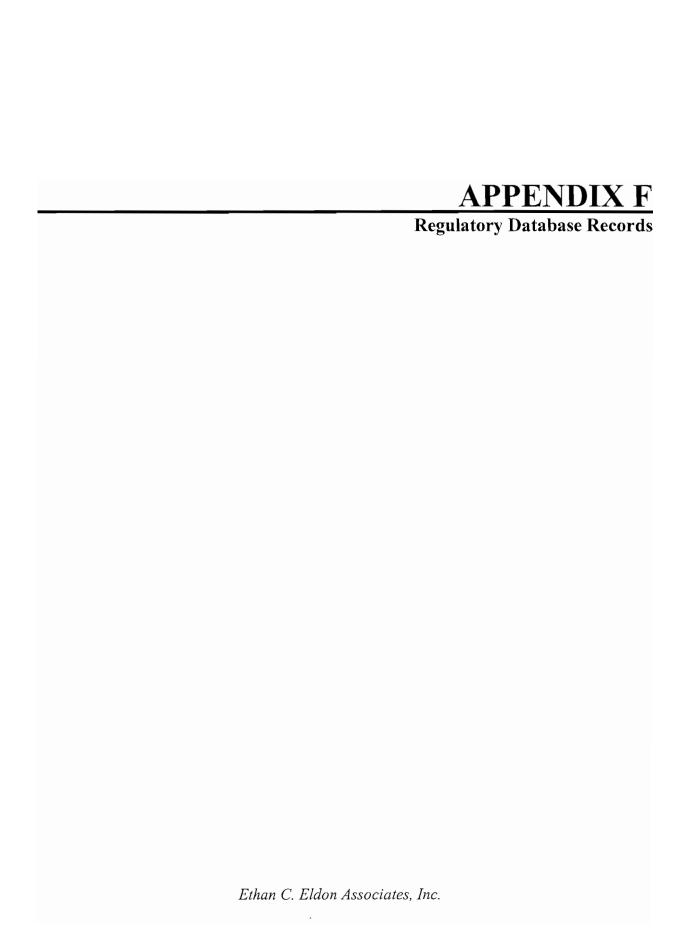
## FREEDOM OF INFORMATION APPLICATION

Erie County Department of Health 95 Franklin Street, Room 931 Buffalo, New York 14202

NOTE: This department is allowed 5 business days by State Law to respond to your request.

Also, there will be a charge of 25 cents per page of the report payable upon receipt of the records. We will contact you when the records are available to be picked up.

I hereby apply to [ ] inspect or [ ] obtain a	copy of the following record:
Date(s) of Record Requested up to today	ay
Location of Property 100 High St. Bu	Halo, Ny 14203
Type of Record [ ] Housing [ ] Lead	MOther Environmental
Name Aimel Petkus	Date 1/11/06
Signature (plea := print)	
Mailing Addres: 1350 Broadway, Su	itc 612 Day Phone 212-967-2752
City, Town Village New York,	Zip 10018
FOR AGENCY USE ONLY	
[ ] Approved	Date Notified
Denied for the following reason(s):	Cost
[ ] Confident al Disclosure [ ] Part of Investigatory Files [ ] Unwarramed Invasion of Personal Privacy [ ] Record of which this Agency is Legal Custodian [ ] Record is not maintained by this Agency [ ] Exempted by Statute other than the Freedom of Other	
John T. Kociela D	ate
Records Access Officer	
NOTE: You have a right to appeal a denial of this a	pplication to:
Deputy County Executive 95 Franklin Street, Room 632 Buffalo, New York 14202	
You must fully explain the reasons for such denial in	writing seven days after receipt of an appeal.
I hereby appeal:	<b>7</b> 5.
Signature	Date
Address	



FORM 29	BUFFALO FIRE VOLATILE FLAM TANK STORAGI	MABLE LIC	UID		
APPLICATION X INSTALLATION BURVEY	Sasolini KIND OF LIQUI	$\frac{\ell}{\text{ID}} = \frac{J}{\text{CLA}}$	ass	BATTALION = COMPANY DATE ////	2
COMMISSIONER OF FIRE:  130  OCATION 133 High	Harold T. h St espital	PF	TY PROPER IVATE PROPER ONED USE D	,	, P
		NTION TY	PE OF SYS	PRESSU TEM: SUCTIO	TRE
PERMIT NUMBER I			NTRACTOR	· —	mp Senice
INSTALLATIONI			DRESS /2	17 Fellme Feet B. Alex	ne ave.
FANKS:		VENT PIP	•		agt.
NUMBER OF  SOCIOCAPACITY OF EACH  SOCIOCAPACITY TOTAL  ABOVE GROUND  FEET UNDERGROUND  FEET FROM BLDG. I  FEET FROM STREET  FEET FROM CELLAR  UNDERWRITERS LAB.	LINE	SFF		FILL PIPE BLDG, OPENI OF HOOD	100 H/01
FILL PIPE:		PUMPS			
LOCATED OUTSIDE FEET FROM BLDG. O PROTECTED AGAINST	DAMAGE	F	EET FROM	BLDG, LINE STREET LINE RS LAB, LAB	
AS ALL TANKS, PUMPS AND		NSTALLED	IN ACCOR	DANCE WITH	THE
REQUIREMENTS OF THE CITY OF FIRE UNDERWRITERS, I  APPROVAL  RECOMMEND  DISAPPROVAL		STANDARD ) <i>lleuw</i> t	ITLE	NATIONAL BO	ARD
APPROVED Hard	RBuke		ATE Ju	ly 11-5	7
COMMISSI	ONER OF FIRE	NOST		$\mathcal{I}$	

GOODRICK ST.

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jorm 29 11/6/67 BUREAU	J OF FIRE PREVENTION			
11/6/67 BUREAU FLAMMABLE LI STORACE AND USE OF FI	QUID ORDINANCE CHAPTER XXIX uel Oil III PE OF LIQUID CLASS			
APPLICATION	PE OF LIQUID CLASS			
	DISTRICT ZONING R-3			
NAME General Hospital	ADDRESS 100 High Street			
USE: COMMERCIAL PRIVATE XX	PROPERTY: CITYPRIVATEXX			
CONTRACTOR Joseph Davis Inc.	ADDRESS 120 W. Tupper Street			
APPROVED Fred Larson	TITLE Chief of Fire Prevention			
Install one ( 1 ) 10,000 Ga	al. underground fuel oil tank			
INSTALLATION DATE: 9-4-84 APPLICATION NO: DATE	PERMIT NO:DATE			
TANKS:	VENT PIPE:			
Number of One (1)	Number of XXX One (1)			
Capacity of Each 10,000 gal.	Size $2\frac{1}{2}$ "			
Total Capacity 10,000 Gal.	Terminates Outside Wes			
Above Ground NO	Feet Above Fill Pipe 12'			
Feet From Property Line 15'+	Feet From Bldg. Opening 10' Weaherproof Hood Yes Flame Arrester			
Feet From Bldg. or Cellar 10'				
U.L. Label Numbers	PUMPS:			
	Number of Pumps			
	Feet From Bldg. Line			
Less Than 50 Feet From RB &	Feet From Street Line			
Docks? (Sec. 16, Chap LLX) No	If inside Bldg., are pumps protected as required by Sec. 148			
FILL PIPE:	TESTS: (Sec. 91)			
Size 14" Extended Fill? Yes	APPROVED 9-4-84 Lt. D'Amico			
Located Outside Yes Protected Yes				
Heet From Bldg. Opening 10' DISAPPROVED ALL TANKS, PUMPS AND PIPING, ARE INSTALLED IN ACCORDANCE WITHIN THE				
ALL TANKS, PUMPS AND PIPING, ARE INSTALLED IN ACCORDANCE WITHIN THE REQUIREMENTS OF THE FLAHMABLE LIQUID ORDINANCE, I THEREFORE, RECOMMENDED				
the forzment of the little that when h	IQUID ORDINANCE, I THEREFORE, RECOMPEND			
APPROVED Lt. M. D'Amico FPB	DATE 9-4-84  TALLED FOR THE FOLLOWING SUPPLIER.			
APPROVED Lt. M. D'Amico FPB	DATE 9-4-84 TALLED FOR THE FOLLOWING SUPPLIER.			

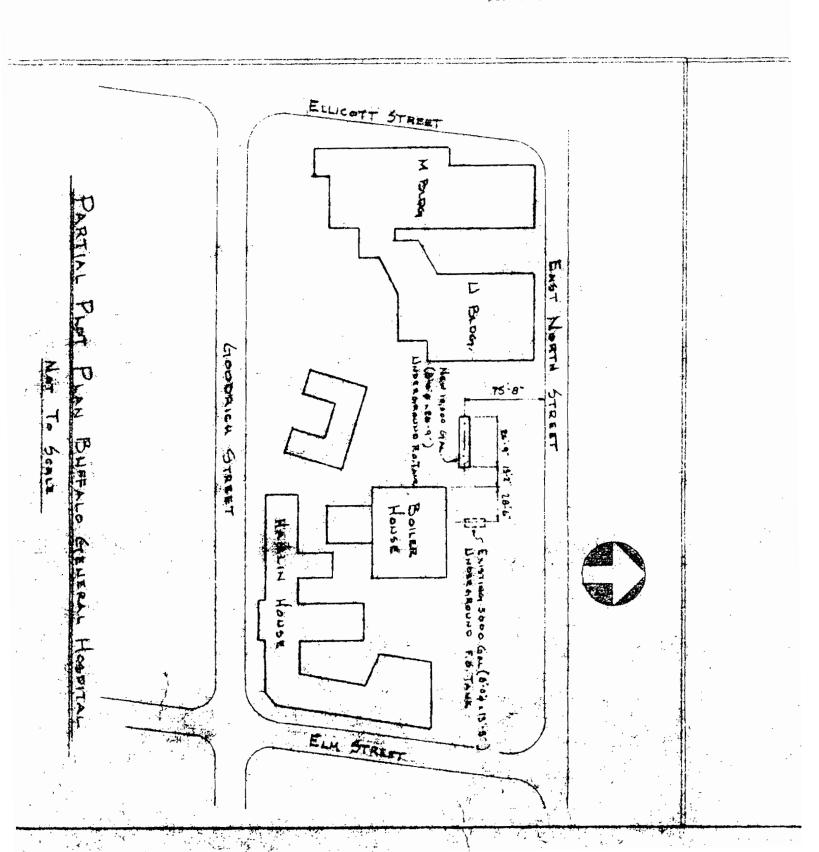
Boiles &

APPROVED

SUBJECT TO COMPLIANCE WITH ALL APPLICABLE ORDINANCES
BASED UPON INFORMATION SHOWN
BUREAU OF FIRE PREVENTION

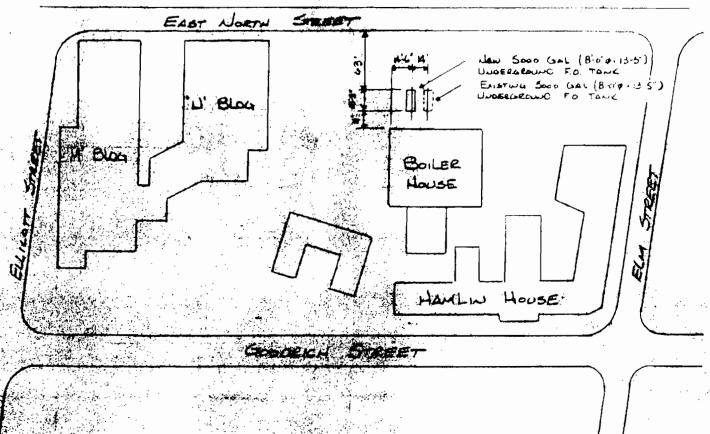
Treel Larson APR 9 1984

DEPARTMENT OF FIRE BUFFALO, NEW YORK





1/010



# GENERAL HOSPITAL

## RECEIVED

ÄŪG 25 1983 »

COWPER TURNER J.V.

OCT 0.5 1983

COWPER-TURNER J. V. BUFFALO GENERAL HOSPITAL

SUBJECT TO COMPLIANCE WITH ALL APPLICABLE ORDINANCES BASED UPON INFORMATION SHOWN BUREAU OF FIRE PREVENTION

DATE MENTOOF FIRE

CHIERAL HOSPITAL West YORK SOOO GAL

## J**ose**ph Davis Inc.

GENERAL MECHANICAL CONTRACTORS

120 W. TUPPER STREET ·BUFFALO, NEW YORK

AS NOTED CHECKED DRAWN 545 MIS

JOE NO.

DATE

8318

DRAWING NO.

L-831**8**-28

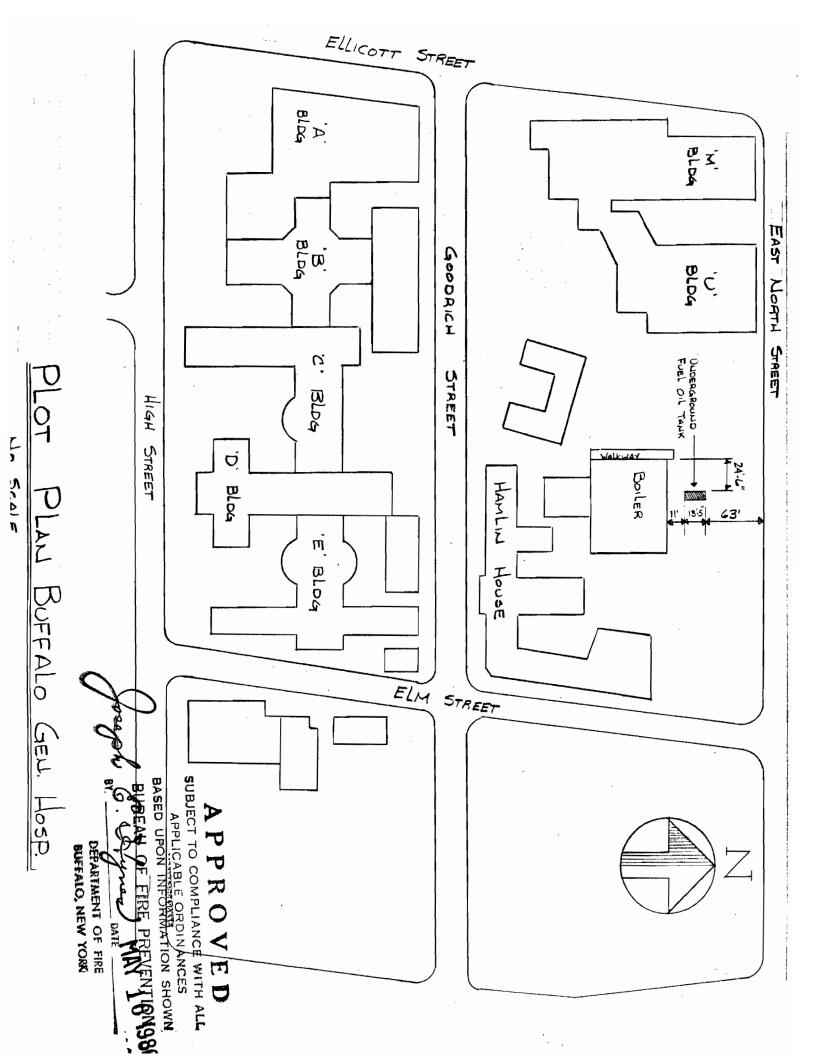
## DEPARTMENT OF INSPECTIONS & LICENSES

7:60.00

## 301 City Hall

App	Olication No	st be filled out in Qua	druplicate: or in O	mit Fee \$	
	(2 application in	Board of Appeals action	is necessary)	٠	C 3
То	the Comm of Inama & Licenses	,	Buffalo, N.Y.,	- A	
	the Comm. of Insps. & Licenses		, -	Sal Stul	huilding
1.	I, the undersigned, propose to	erect, enlarge, plac	e, convert, aitei	(frame or othe	r construction)
	front c			Det .	
	On the front of premises known		- principle.		
3.	Located on the The side	of street	feet		
4.	In a Cara Zone District.	5. To be used for	sil S.	Torrest O	
	,		(If a Filling Station	n, state capacity of all ta	nks in gallons.)
	Remarks - Soe	Clot	a	Sounded	601.00
0		, -	/		Colorest
C	****	andrick -		•	
6.		feet	long. Area of	Lot	sq. ft.
7.	Size of Proposed Building	2 ft. wide 13.	5 ft. long.	Area of Bldg.	sq. ft.
	ft. high	stories high. Co	ontents of Bldg.		cu. ft.
8.	What other buildings, are, or will	be, located on lot?_	Van	*	
	Sizeft. wide				
,,	The state of the s			3101103	11100
4.0					
10.	How many families will be house	d on premises?			.?
11.	Depth of front yard	ft.	Is Heating	work necessary?	(yes) (510)
	Depth of rear yard	ee ft.	Is Electrical	work necessary?	(yes) (no)
	Width of N.E.S.W. side yard	ft.		work necessary?	(yes) (no)
	Width of other side yard	ft.		ble liquid stored or he premises?	(yes) (no)
12	,			. (	% of rear lot
12.	Area of Accessory Building or B Area sq. ft. (Dist	-			
		and nomited of t	wenning to rear	iot mic manipiy by	viden or ion,
13	How many employees other than	n domestic are or u	rill he angaged i	n such occupation?	
	•				-0
	Compensation Certificate Filed (	yes or no). Cost of	Building 5	12,000.	
15	Architect	0/	Contractor	Joseph Va	we dive
	Owner of Lot	e /fortal	Address	13011.1	unger W.
	Owner of Building	me !	_ Agent	Time Span	Men 14 2
	(Print Owner's Na	ame)	Address /	(Print Agent's Name)	w.
		ddress)	Address/	(Print Agent's Address	10 1 4 20
			Home Impro	vement Lic. #	
	I declare t	that I have examine	d this applicatio	n and know the cont	ents thereof;
that	the same correctly describes the	character, present a	nd proposed, us	e and location of the	premises or
A	ling which the owner proposes to (	erect, place, enlarge		AD 0	
SUBJECT		signa	,	(owner)	(contractor)
API BASED 1	PLICABLE ORDINANCES JPON INFORMATION SHOWN <b>TI</b>	INC DEDICATE TOTAL	NW 17101 1 1111 -		,
BUREA		PLUMBING, ELEC			
Fred	Tarson 10	AND HEATING WARATE PERMITS AR	VORK.		1 f
	DEPARTMENT OF FIRE 1				/ 1
Appr	rowerd ALO, NEW YORK	Disapproved		Date	
	·	ري			

BUREAU FLAMMABLE LI STORAGE AND USE OF	OF FIRE PREVENTION
STORAGE AND USE OF	QUID ORDINANCE CHAPTER XXIX  FUEL OIL  PE OF LIQUID  CLASS  DISTRICT ZONING  R - 2
APPLICATION -	PE OF LIQUID CLASS
DATE: May 15, 1980	DIDITION NO. II - Z
	ADDRESS Profile Nov. Vanh
USE: COMMERCIAL PRIVATE X	PROPERTY: CITYPRIVATE
CONTRACTOR Joseph Davis, Inc.	PROPERTY: CITY PRIVATE  120 West Tupper Street  ADDRESS Buffalo New York 14201
APPROVED Joseph G.	Chief TITLE Bureau of Fire Prevention
Install one (1) 5,000-gallon, storage tank.	Chief TITLE Bureau of Fire Prevention underground, steel, fuel oil
INSTALLATION	
DATE: APPLICATION NO: DATE	PERMIT NO: DATE
TANKS:	VENT PIPE:
Number of One (1)	Number of $\varepsilon NE(1)$
Capacity of Each 5,000-Gallon	Number of ENE(1)  Size a"  Terminates Outside /E5  Feet Above Fill Pipe /a'  Feet From Bldg, Opening /5'
Total Capacity 5000 GAL	Terminates Outside /ES
Above Ground No	Feet Above Fill Pipe /a'
Reet Underground 3'	Too I I om Diag. Operating 70
	Weaherproof Hood YES
Feet From Street Line 63'	Flame Arrester 6
Feet From Bldg. or Cellar	DEDATIC
U.L. Label Numbers	Number of Pumps
	Number of Pumps  Feet From Bldg. Line  Feet From Street Line  U.L. Label Nos.
	Feet From Street Line
Less Than 50 Feet From RR &	U.L. Label Nos.
Docks? (Sec. 16,Chap LLX)	If inside Bldg., are pumps protected as required by Sec. 148
RILL PIPE:	TESTS: (Sec. 91)
Size 4" Extended Fill? 153	APPROVED
Located Outside <u>VES_Protected</u>	<del>_</del>
Feet From Bldg. Opening 20 '	DISAPPROVED
ALL TANKS, PUMPS AND PIPING, AREQUIREMENTS OF THE FLANNABLE LI	DISAPPROVED  DISAPPROVED  I INSTALLED IN ACCORDANCE WITHIN THE IQUID ORDINANCE, I THEREFORE, RECOMMEND tenant of Fire Prevention ATE UN KNOWN  PALLED FOR THE FOLLOWING SUPPLIER. 1985
APPROVED THAK (MOTALLED Rure	tenant of Fire Prevention ATE UN KNOWN
THE ABOVE LOCATION HAS BEEN INST	
	etch of Pump and Tank Locations On



FLAMMABLE LIQUID ORDINANCE CHAPTER XXIX STORAGE AND USE OF FUEL OIL TYPE OF LIQUID CLASS APPLICATION DATE: May 15, 1980 DISTRICT ZOMING H = 2 MAJE Buffalo General Hospital ADDRESS Buffalo, New York USE: COMMERCIAL PRIVATE X PROPERTY: CITY PRIVATE

120 West Tupper Street COMTRACTOR Jeseph Davis, Inc. ADDRESS Buffalo, New York 14201 APPROVED Chief TOTAL TITLE Bureau of Fire Preventing tall one (1) 5,000-gallon, underground, steel, fuel oil Bureau of Fire Prevention storage tank. INSTALLATION DATE: APPLICATION NO: DATE PERMIT NO: DATE TANKS: VENT PIPE: Number of One (1) Number of\_\_\_\_\_ Capacity of Each 5.000-Gallon Size Total Capacity Terminates Outside Above Ground Feet Above Fill Pipe\_\_\_\_\_ Feet Underground Feet From Bldg. Opening Feet From Property Line Weaherproof Hood\_\_\_\_\_ Reet From Street Line Flame Arrester Feet From Bldg. or Cellar\_\_\_\_ U.L. Label Numbers PUMPS: Number of Pumps\_\_\_\_ Public Assemblage Bldg. Within Feet From Bldg. Line Feet From Street Line 300 Ft.\_\_\_\_(Sec. 82) Less Than 50 Feet From RR & U.L. Label Nos.

Books? (Sec. 16.Chap. LLX) If inside Bldg., are pumps protected as required by Sec. 148\_\_\_ FILL PIPE: TESTS: (Sec. 91) Size Extended Fill? APPROVED Located Outside Protected Feet From Bldg. Opening DISAPPROVED ALL TANKS, PUMPS AND PIPING, ARE INSTALLED IN ACCORDANCE WITHIN THE REQUIREMENTS OF THE FLAMMABLE LIQUID ORDINANCE, I THEREFORE, RECOMMEND APPROVED Bureau of Fire PreventionATE THE ABOVE LOCATION HAS BEEN INSTALLED FOR THE FOLLOWING SUPPLIER. ADDRESS MAME IMPORTANT: Include Remarks, Sketch of Pump and Tank Locations On

BUREAU OF FIRE PREVENTION

