



# PHASE I ENVIRONMENTAL SITE ASSESSMENT

AP 14 Lot 15-6 710 Victory Highway West Greenwich, Rhode Island

December 16, 2020 File No. 03.0034864.00



PREPARED FOR: SWAP, Inc. Providence, Rhode Island

GZA 188 Valley Street | Providence, RI 02909 401-421-4140

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# **710 Victory Highway - Phase I Environmental Site Assessment** 03.0034864.00

#### **EXECUTIVE SUMMARY**

SWAP, Inc. (also referred to herein as "Client" or "User") retained GZA GeoEnvironmental, Inc. (GZA) to perform a Phase I Environmental Site Assessment (ESA) of the property located at 710 Victory Highway, West Greenwich, Rhode Island 02817 (hereafter referred to as the "Site"). GZA performed this Phase I ESA in connection with the Client's planned purchase of the Site.

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process – E1527-13 (ASTM E1527-13), and included our visual observation of the Site; a review of historical information, environmental databases, and information provided by the User; and interviews with current Site representatives. Limiting conditions and/or deviations from ASTM E1527-13 are described in Sections 1.4 and 6.0 of this Phase I ESA Report. GZA prepared this Phase I ESA Report in conformance with the limitations presented in Section 14.0 and with the terms and conditions of our proposal dated November 19, 2020, which are included in Appendix A.

From earliest records (circa 1889), no structures were identified on the Site. In the early part of the twentieth century, the Site appeared to be used as farmland. By the 1950s, the Site was fully revegetated. Footpaths were visible along the western part of the Site in the 1970s. The Site has remained generally unchanged to the present day.

The vicinity area is developed with some agricultural land and residential housing. The Blueberry Heights residential neighborhood is visible to the northwest begining in the 1960s. In the 1970s, the area to the east of the Site appears to be a construction sand and gravel mine, inactive by 2002. In 2017, Dupuis Oil opened a facility adjoining to the south of the Site, with aboveground storage tanks of heating oil.

Based on the findings of our Phase I ESA and on our professional judgment, GZA has identified the following in connection with the Site:

		No RECs Identified	REC	CREC	Other Environmental Considerations	
4.0	HISTORICAL USE INFORMATION	~				
5.0	PREVIOUS SITE INVESTIGATIONS	~				
6.0	SITE RECONNAISSANCE	~				
7.0	REGULATORY DATABASE REVIEW	~				
9.0	USER-PROVIDED INFORMATION	~				



Report Section		No RECs Identified	REC	CREC	HREC	Other Environmental Considerations	
11.4	DE MINIMIS CONDITIONS						
11.5	DATA GAPS AND THEIR SIGNIFICANCE						
11.7	OTHER BUSINESS ENVIRONMENTAL RISKS						Future Site redevelopment activities may encounter residual contamination in soils in those areas where there have been undocumented historical releases and/or spills.





GEOTECHNICAL ENVIRONMENTAL

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WATER

CONSTRUCTION MANAGEMENT

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#### **VIA EMAIL**

December 16, 2020 File No. 03.0034864.00

SWAP, Inc. 439 Pine Street Providence, Rhode Island 02907

Attention: Mr. Gary Charpentier

Re: Phase I Environmental Site Assessment

AP 14 Lot 15-6

710 Victory Highway

West Greenwich, Rhode Island 02817

Dear Mr. Charpentier:

Pursuant to our proposal dated November 19, 2020, GZA is pleased to submit the appended Phase I Environmental Site Assessment Report for the above-referenced target property ("Site"). GZA completed this Phase I Environmental Site Assessment in general conformance with the guidelines described in ASTM International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process - E1527-13.

We hope this report satisfies your present needs. If you need additional information, please call Erik Beloff at 401-727-2723.

RMICH

R. Michael Clark Consultant Reviewer

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Erik Beloff Project Manager

Edward A. Summerly, P.G.

Principal/Environmental Professional

Attachment: Report



# **TABLE OF CONTENTS**

1.0	INT	RODUCTION	1
	1.1	REASON FOR PERFORMING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT	1
	1.2	PROJECT OBJECTIVES	1
	1.3	DEFINITIONS	1
	1.4	SCOPE OF SERVICES	2
2.0	DES	CRIPTION OF SITE AND VICINITY	3
	2.1	SITE LOCATION AND USE	3
	2.2	ADJOINING PROPERTIES	4
	2.3	VICINITY PROPERTIES	4
3.0	ENV	IRONMENTAL SETTING	4
4.0	HIS	TORICAL USE INFORMATION	5
	4.1	SITE AREA HISTORY SUMMARY	6
	4.2	AERIAL PHOTOGRAPH REVIEW	6
	4.3	FIRE INSURANCE MAPS	7
	4.4	PROPERTY TAX FILES	7
	4.5	RECORDED LAND TITLE RECORDS	7
	4.6	HISTORICAL USGS TOPOGRAPHIC MAPS	8
	4.7	CITY DIRECTORIES	8
	4.8	BUILDING DEPARTMENT RECORDS	8
	4.9	OTHER HISTORICAL RECORDS	9
5.0	PRE	VIOUS SITE INVESTIGATIONS	9
6.0	SITE	RECONNAISSANCE	9
7.0	REG	ULATORY DATABASE REVIEW	. 11
	7.1	FEDERAL AND STATE ENVIRONMENTAL RECORD SOURCES	. 11
	7.2	LISTINGS FOR SITE AND ADJOINING PROPERTIES	. 12
	7.3	LISTINGS FOR OTHER VICINITY PROPERTIES	. 13
	7.4	EVALUATION OF UNMAPPED PROPERTIES	. 13
	7.5	REGULATORY FILE REVIEW	. 13
8 0	INT	FRVIFWS	14



9.0	USE	R-PROVIDED INFORMATION	14
10.0	NON	N-ASTM E1527-13 CONSIDERATIONS	14
11.0	FINE	DINGS AND CONCLUSIONS	14
	11.1	RECOGNIZED ENVIRONMENTAL CONDITIONS	15
	11.2	CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS	15
	11.3	HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS	15
	11.4	DE MINIMIS CONDITIONS	15
	11.5	DATA GAPS AND THEIR SIGNIFICANCE	15
	11.6	NON-ASTM E1527-13 CONSIDERATIONS	15
	11.7	OTHER BUSINESS ENVIRONMENTAL RISKS	15
12.0	REF	ERENCES	15
13.0	ENV	IRONMENTAL PROFESSIONAL OPINION	16
14.0	LIMI	TATIONS	16

# **Appendices**

FIGURE 1 - LOCUS PLAN

FIGURE 2 - SITE PLAN

APPENDIX A - PROJECT TERMS AND CONDITIONS

APPENDIX B - PHOTOGRAPH LOG

APPENDIX C - HISTORICAL DOCUMENTATION

APPENDIX D - THIRD-PARTY DATABASE REPORT

APPENDIX E - USER QUESTIONNAIRE

APPENDIX F - QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL



#### 1.0 INTRODUCTION

This Phase I Environmental Site Assessment Report (Phase I ESA Report) presents the field observations, results, and opinions of a Phase I ESA conducted by GZA GeoEnvironmental, Inc. (GZA) for SWAP, Inc. (also referred to herein as "Client" or "User") at the property identified as AP 14 Lot 15-6, 710 Victory Highway, West Greenwich, Rhode Island (hereafter referred to as the "Site). GZA prepared this Phase I ESA Report in conformance with the limitations presented in **Section 14.0** and with the terms and conditions of our proposal dated November 19, 2020, which are included in **Appendix A**. This Phase I ESA Report is subject to modification if GZA or any other party develops subsequent information.

#### 1.1 REASON FOR PERFORMING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT

GZA understands that this Phase I ESA was requested as part of environmental due diligence in support of the purchase of the Site. We understand that this Phase I ESA is not funded with a federal grant under the US Environmental Protection Agency (EPA) Brownfield Assessment and Characterization Program or the US Small Business Administration, and that an evaluation of controlled substances at the Site is not required.

# 1.2 PROJECT OBJECTIVES

We designed the Scope of Services described below in general conformance with ASTM International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process – E1527-13 (ASTM E1527-13). The objectives of this Phase I ESA were:

- To render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions (RECs) that could result in the presence of hazardous materials in the environment, as defined in ASTM E1527-13; and
- To permit the User of this Phase I ESA to satisfy the requirements for qualifying for certain Landowner Liability Protections under the Comprehensive Environmental Response, Compensation and Liability Act.

# 1.3 <u>DEFINITIONS</u>

#### As defined in ASTM E1527-13:

- A REC indicates "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."
- The term "Controlled REC" (CREC) applies to a site that has reached regulatory closure with the implementation of an engineering control, such as an impermeable cap, and/or an institutional control, such as a deed restriction or property use restriction.
- A "historical recognized environmental condition" (HREC) is "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the



and controls

satisfaction of the applicable regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls.)" If regulatory standards have changed since the prior release was closed and the data used to close the case indicate hazardous substances or petroleum products are or are likely to be on the Site at concentrations greater than their respective regulatory standard(s) for unrestricted land use, then GZA will identify the historical (previously closed) release as a REC.

- A "de minimis" condition, as defined by ASTM E1527-13, is "a condition that generally does not present a
  threat to human health or the environment and that generally would not be the subject of an enforcement
  action if brought to the attention of appropriate governmental agencies." ASTM E1527-13 does not
  consider de minimis conditions RECs.
- The term "data gap" refers to "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice." A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap.
- A business environmental risk (BER) is a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated under ASTM E1527-13. Consideration of BERs, for example, may involve addressing one or more non-scope considerations outlined in ASTM E1527-13. Common non-scope environmental business risk items referred to include: asbestos, lead paint, lead and arsenic in drinking water, radon, wetlands, cultural and historical resources, regulatory compliance, industrial hygiene, health and safety, indoor air quality, mold, etc.

# 1.4 SCOPE OF SERVICES

GZA's Scope of Services consisted of the following activities:

- A review of federal and State regulatory agency databases for the Site and the minimum search distance from the Site;
- Contact with certain local regulatory agencies to inquire about environmental conditions at the Site and in its vicinity;
- A review of the Site history through available Standard Historical Sources;
- A Site reconnaissance to observe current Site conditions for evidence of RECs;
- · The completion of a reconnaissance of the Site vicinity;
- A review of adjoining properties to identify the use of hazardous materials or petroleum products;
- Interview(s) with the Key Site Manager (Mr. Gary Charpentier), as well as certain other available occupants and major tenants, regarding the current and past Site usage and facility operations; and

Page 3

• The preparation of this Phase I ESA Report of our findings.

There were no significant deviations from ASTM E1527-13.

Deviations of this Phase I ESA from ASTM E1527-13 include:

- ASTM identifies a title search for environmental liens as a User Responsibility and recommends that the User provide it to the Environmental Professional for review. SWAP, Inc. did not provide a title search for our review. In GZA's opinion, however, this is not a significant data gap.
- Past owners were not interviewed as part of this assessment. However, it is unlikely that the past owners would provide information not obtained from other sources.

Significant limitations to GZA's assessment include:

· The Site was undeveloped and heavily vegetated. Certain portions of the Site could not be directly observed.

This Phase I ESA does not include an evaluation of environmental issues or conditions that ASTM E1527-13 considers non-scope considerations.

In addition, it should be noted that, while ASTM E1527-13 includes an evaluation of the potential migration of vapors in the subsurface that originate from hazardous substances or petroleum products, it does not require Vapor Encroachment Screening as defined in ASTM guidance E2600.

#### 2.0 **DESCRIPTION OF SITE AND VICINITY**

GZA obtained the following information resulting from its Site reconnaissance, its research, and from interviews with people knowledgeable about the Site. Photographs depicting Site conditions during GZA's reconnaissance are presented in **Appendix B**.

#### 2.1 SITE LOCATION AND USE

The Site is located northeast of Victory Highway in West Greenwich, Rhode Island and is identified as AP 14 Lot 15-6 by the Town of West Greenwich Assessor's office . The lot consists of wooded land that is accessed from Victory Highway.

No buildings or structures were observed at the Site.

Site Information		
Site Address	710 Victory Highway	
	West Greenwich, Rhode Island 02817	
Site Acreage	59.6	
Tax Parcel ID	AP 14 Lot 15-6	
Site Property Use(s)	At the time of GZA's Site reconnaissance, the Site was vacant, wooded land.	

Site Inspection Date	December 4, 2020
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A topographic map showing the location of the Site is provided as **Figure 1**.

# 2.2 ADJOINING PROPERTIES

The following table lists the properties that adjoin the Site and describes their current use.

Direction	Street Address/Location	Name (as applicable) and Current Use
North	316-330 Robin Hollow Road	Residential houses
South	21 Wildfield Drive	Victory Highway Sol, LLC (vacant/cleared land)
South	746 Victory Highway	Frank Dupuis Company (home heating provider)
East	830 Victory Highway	LD Acquisition Company 17 LLC (vacant land)
West	671 Victory Highway	Blueberry Heights residential houses
West	680-746 Victory Highway	Residential Houses

# 2.3 <u>VICINITY PROPERTIES</u>

As part of this Phase I ESA, GZA performed a reconnaissance of the immediate Site vicinity. The Site vicinity is primarily residential or undeveloped with some commercial properties along Victory Highway to the south. A TA gasoline station is located approximately 0.2 miles south. A solar array was recently developed abutting the property to the east/southeast (former graver pit, abutting to the east/southeast).

# 3.0 ENVIRONMENTAL SETTING

**Section 3.0** provides information regarding the general physiographic, hydrogeologic, hydrologic, and soil conditions in the area of the Site.

Setting	Description
General Physiographic Condition	The Site is generally flat, with regional topography generally sloping downward to the west-southwest. Review of the 2012 topography map shows approximately 200' of grade change across the site.
Hydrology	The Site is located in the Big River Watershed. There were no surface water bodies observed at the Site. The nearest mapped water body is Racoon Brook, which is located to the southeast of the Site. The Rhode Island Department of Environmental Management (RIDEM) surface water classification of the Racoon Brook is Class A; designated for primary and secondary contact recreational activities and for fish and wildlife habitat.

Setting	Description
	The RIDEM Environmental Resource map indicates that the Site is located Zone X, identified as an "Area of Minimal Flood Hazard" as identified by the Federal Emergency Management Agency (FEMA).
Hydrogeology and Groundwater Flow	Based on area topography and surface water drainage, the inferred direction of groundwater flow is to the southeast, towards Racoon Brook. However, it should be noted that the localized direction of groundwater flow near the Site might vary because of subsurface preferential pathways (e.g., underground utilities), variations in rainfall recharge and/or heterogeneous geological and/or anthropogenic subsurface conditions. We subsequently refer to upgradient and downgradient properties in this Phase I ESA Report based on the inferred direction of groundwater flow from northwest to southeast.  Groundwater at the Site is classified as a GAA resource by the RIDEM. This designation is given to aquifers considered suitable for public or private drinking water use without treatment due to known or presumed degradation. Additionally, the groundwater falls into one of two priority areas:  The state's major stratified drift aquifers that are capable of serving as a significant source for a public water supply and the critical portion of their recharge area as delineated by DEM; or The wellhead protection area for each public water system community water supply well. Community water supply wells are those that serve resident populations and have at least 25 individuals, e.g., municipal wells and wells serving nursing homes, condominiums, mobile home parks, etc.
Soil Type	ArcGIS surficial geology mapping identifies the overburden at the Site as a mixture of Paxton very stony fine sandy loam, Canton and Charlton very stony fine sandy loams, and Ridgebury Whitman and Leicester extremely stony fine sandy loams. No subsurface explorations or chemical analyses of soil or groundwater have been included as part of GZA's Phase I scope of services.
Bedrock	RIDEM's Environmental Resource map identifies bedrock in the area of the Site as granite.

# 4.0 HISTORICAL USE INFORMATION

The Site history was developed from "Standard Historical Sources" as defined in ASTM E1527-13, available files at the Town of West Greenwich and interviews with knowledgeable parties. We include a historical summary in **Section 4.1** of this Phase I ESA Report. Specific information obtained from standard historical

Page 6

sources is contained in following subsections, and **Appendix C** includes copies of relevant historical documents.

# 4.1 SITE AREA HISTORY SUMMARY

From earliest records (circa 1889), no structures were identified on the Site. In the early part of the twentieth century, the Site appeared to be used as farmland. By the 1950s, the Site was fully revegetated. Footpaths were visible along the western part of the Site in the 1970s. The Site has remained generally unchanged to the present day.

The vicinity area is developed with some agricultural land and residential housing. The Blueberry Heights residential neighborhood is visible to the northwest beginning in the 1960s. In the 1970s, the area to the southeast of the Site appears to be a construction sand and gravel mine, inactive by 2002. In 2017, Dupuis Oil opened a facility adjoining to the south of the Site, with aboveground storage tanks of heating oil and propane gas.

## 4.2 <u>AERIAL PHOTOGRAPH REVIEW</u>

GZA consulted historical aerial photographs provided by Environmental Data Resources, Inc. (EDR). The table below contains GZA's description of the Site and vicinity properties as shown in the aerial photographs.

Year	Scale	Description of Site	Description of Site Vicinity
1939	1" = 500'	The Site appears vegetated and undeveloped. Unpaved access roads are visible on the southern portion of the Site.	The vicinity is vegetated and undeveloped with the exception of some agricultural land to the east and south of the Site as well as main roads (Victory Highway and Robin Hollow Road)
1941	1" = 500'	The Site appears to be cleared land used for agriculture.	Vicinity conditions appear consistent with the 1939 photograph.
1951, 1960	1" = 500'	The Site appears to be partially revegetated.	Vicinity conditions appear consistent with the 1939 photograph.
1962	1" = 500'	The Site appears to be fully revegetated.	The Blueberry Heights residential neighborhood is visible to the northwest of the Site.
1970, 1975, 1981	1" = 500'	An access road is visible along the western portion of the Site.	Adjoining to the east of the Site, the land appears to have been cleared, possibly for gravel mining.
1986	1" = 500'	Site conditions appear consistent with the 1981 photograph.	Additional residential properties are visible in all directions from the Site.
1995, 2001,	1" = 500'	Site conditions appear consistent with the 1986 photograph.	A commercial/retail area is visible on Victory Highway to the south of the



Year	Scale	Description of Site	Description of Site Vicinity
2005,			Site. Dupuis Oil appears constructed
2008,			in the 2018 aerial.
2012,			
2016,			
2018			

### 4.3 FIRE INSURANCE MAPS

No historical fire insurance maps for the Site vicinity were available through EDR.

# 4.4 PROPERTY TAX FILES

GZA consulted property tax files available online at the Town of West Greenwich website. The files indicated that the Site is located at 710 Victory Highway, West Greenwich and is identified as Parcel ID 014/0015/06. Current owner is identified as RI Housing and Finance Corp. The current owners obtained the Site from Blueberry Hgt Hsng Coop Corp, August 30, 2002.

# 4.5 RECORDED LAND TITLE RECORDS

The Client did not provide GZA with any abstract of title for its review; therefore, a title search was not included in the scope of this Phase I ESA. A limited Activity and Use Limitation (AUL) review conducted by EDR (see **Section 7.0**) did not identify any AULs or other institutional or engineering controls associated with the study Site. Due to COVID-19 restrictions, no additional records of ownership could be obtained within the timeframe of this Phase I ESA; however, the following table indicates the history of ownership as reported in the 2003 Comprehensive Permit Narrative (See Section 5.0).

	Historical Ownership Table			
Year of Ownership	Owner(s)			
3/19/1938	Morton, Edwin E			
5/28/1945	Morton, Edward E & Doris C			
9/15/1986	Lapointe, Leo E & Hilda & McEnteggart, Paul & Marguerite			
5/5/1988	Blueberry Height Inc.			
6/20/1990	JT Properties, Inc.			
7/20/1992	Fairway Capitol Corp.			
7/24/1992	Northeast Mobile Home Park Inc.			
11/2/1992	Blueberry Heights Mobile Home Park Inc.			
12/21/2001	Blueberry Hgts Hsng Coop Corp.			
5/30/2002	Blueberry Heights Mobile Home Park			
6/24/2002	Blueberry Hgts Hsng Coop Corp.			

Historical Ownership Table			
Year of Ownership Owner(s)			
8/30/2002	RI Housing and Mortgage Finance Corp		
8/30/2002 Easement			

# 4.6 HISTORICAL USGS TOPOGRAPHIC MAPS

GZA reviewed historical USGS topographic maps provided by EDR. The table below contains GZA's description of the Site and vicinity properties as shown on the historical topographic maps.

Year	Description of Site	Description of Vicinity
1890, 1894	No structures are identified on the Site. The Site is identified as the southeastern slope of Raccoon Hill.	Unnamed brooks and associated wetlands are identified to the west and east of the Site.
1943	No structures are identified on the Site. Victory Highway and Robin Hollow Hill is identified.	Raccoon Brook is identified as the surface water to the east. Sparse residential properties are identified along the main roads.
1953, 1955	Site conditions are consistent with the 1943 map.	An unpaved road is identified along the eastern boundary of the Site.
1970, 1975	Site conditions are consistent with the 1943 map.	Interstate 95 is visible to the southeast.
2001	An unpaved path is identified along the western portion of the Site.	The area adjoining the Site to the east is identified as a gravel pit.
2012	Map does not depict any structures, only shows current street configuration and topographic features.	Map does not depict any structures, only shows current street configuration and topographic features.

#### 4.7 <u>CITY DIRECTORIES</u>

GZA reviewed city directories provided by EDR for the years 1985, 1992, 1995, 2000, 2005, 2010, 2014, and 2017. The Site address of 710 Victory Highway was not listed. The surrounding properties are primarily residential, with the exception of retail/commercial properties, including a TA gasoline station, located approximately 0.2 miles south of the Site along Victory Highway and the recently constructed Dupuis Oil.

#### 4.8 BUILDING DEPARTMENT RECORDS

Due to the current Covid-19 health concerns, GZA did not visit the West Greenwich Building Department, No Building Department records appear to be available online. GZA attempted to call the Building Department by phone on December 8, 2020. As of the date of this report, the West Greenwich Building Department has not responded. Should responses indicated a REC, GZA will amend the report as necessary

Page 9

# 4.9 OTHER HISTORICAL RECORDS

Due to the current Covid-19 health concerns, GZA did not visit the West Greenwich Fire Department. No Fire Department records appear to be available online. GZA attempted to call the Fire Department by phone on December 8, 2020. As of the date of this report, the West Greenwich Fire Department has not responded. Should responses indicated a REC, GZA will amend the report as necessary

#### 5.0 PREVIOUS SITE INVESTIGATIONS

The Client provided GZA with the following documents regarding previous Site investigations:

- Comprehensive Permit Narrative and Supporting Material for Victory Woods Affordable Housing Development, prepared by Crossman Engineering, Inc., dated November 2003
- Geohydrological Investigation Report Victory Woods Housing Project, prepared by Paul B. Aldinger & Associates, Inc., dated July 2005

# 2003 Comprehensive Permit Narrative

Crossman conducted a Comprehensive Permit Narrative for a proposed development of the Site. The narrative discussed the history of the Site, as well as physical characteristics such as topography, soils and geology. Crossman concluded that "preliminary information of the subject site indicates that the site is suited for the development with proper attention given to the existing wetlands and soils within the site, and can be developed in a manner, which successfully mitigates all potential environmental and traffic issues, and provides a safe environment for the future residents."

# 2005 Geohydrological Investigation Report

Four on-site drinking water wells were identified on the Site, approximately 2,000 ft downhill from the northwesterly adjoining mobile home park. These were identified as BH-1, BH-2, BH-3 and an unused dug well. In accordance with the Rhode Island Department of Health requirements, BH-2 and BH-3 were tested for sustained pumping flow rate in preparation of the proposed Victory Woods Housing Project's future needs. Analysis of water quality indicated the the groundwater meets all required drinking water standards of a public supply well. The reported stated: "The absence of any volatile organic constituents and synthetic organic constituents in the well water, the very low mineral content of the water, and the very low concentrations of nitrate-nitrogen in both samples of well water and both samples of stream base flow indicate that anthropogenic effects on ground water quality are negligible."

No additional reports were provided to GZA for review.

#### 6.0 SITE RECONNAISSANCE

The purpose of GZA's Site reconnaissance was to observe current Site conditions for evidence of recognized environmental conditions that could result in the presence of oil or hazardous materials in the environment at the Site. GZA Assistant Project Manager Erik Beloff, conducted a Site reconnaissance at the Site on December 4, 2020. GZA was unaccompanied during the Site reconnaissance. GZA documented its



Page 10

observations and photo-documented pertinent features and/or areas of environmental concern, which we reference in this Phase I ESA Report. Selected photographs are included in Appendix B, and Figure 2 - Site Plan depicts pertinent Site features.

The following factor(s) limited GZA's Site reconnaissance:

• The Site was undeveloped and heavily vegetated. Multiple foot paths intersected the Site. Certain portions of the Site could not be directly observed due to dense vegetative growth.

The following table discusses features of potential environmental concern that we observed at the Site.

Item	Yes	No	Description
Aboveground storage tank (AST) systems		~	
Underground storage tank (UST) systems		~	
Chemical or petroleum storage or handling areas		~	
Chemical waste or petroleum waste storage or handling areas		~	
Dumpsters		<b>~</b>	
Floor drains, trenches, sumps and associated piping		~	
Oil/water separators		~	
Storm water drains, grates and associated piping		~	
Drainage swales, culverts, impoundments, and surface water bodies		~	
Septic systems, leach fields, seepage pits, and dry wells		~	
Open pipe discharges		~	
Landfills and solid waste dumping		<b>~</b>	
Historical fill or other fill material		<b>~</b>	
Staining or stressed vegetation		<b>&gt;</b>	
Electrical transformers or capacitors		<b>~</b>	
Hydraulic equipment, including lifts, elevators, and compactors		~	
Active or inactive production wells	•		As discussed further in Section 5.0, four drinking water supply wells are located on-site. Analysis of water quality indicated the the groundwater



Item	Yes	No	Description
			meets all required drinking water standards of a public supply well.
Monitoring wells, former boreholes, or other evidence of environmental investigations		~	
Other observations potentially indicative of the presence of RECs		~	
Observed <i>de minimis</i> conditions MAKE CORRECTION TO BOILERPLATE		~	

#### 7.0 REGULATORY DATABASE REVIEW

GZA developed the information in this section based on public information obtained from various federal, State, and local agencies that maintain environmental regulatory databases.

# 7.1 FEDERAL AND STATE ENVIRONMENTAL RECORD SOURCES

Federal and state databases were searched by EDR, a professional data search company, and search results were provided to GZA in a report dated December 2, 2020. The following table indicates the databases searched by EDR, the minimum search distances from the Site, and the number of properties that appear on the database within the minimum search distances used. Descriptions of the federal and state databases and the dates that EDR accessed the federal and state databases are provided in EDR's report (see **Appendix D**).

Federal and State List	Approximate Minimum Search Distance*	Site and Adjoining Properties	# Sites Within Search Distance	# Potential Sites of Concern
NPL	1 mile	0	0	0
Delisted NPL	1 mile	0	0	0
SEMS	½ mile	0	0	0
SEMS ARCHIVE	½ mile	0	0	0
RCRIS CORRACTS	1 mile	0	0	0
RCRIS-TSD	½ mile	0	0	0
RCRIS-LQG/SQG	Site and adjoining properties	1	0	0
Federal IC/EC Registries	Site only	0	0	0
ERNS	Site only	0	0	0
State Equivalent NPL	1 mile	0	0	0



Federal and State List	Approximate Minimum Search Distance*	Site and Adjoining Properties	# Sites Within Search Distance	# Potential Sites of Concern
State Equivalent SEMS	½ mile	0	0	0
SWMF	½ mile	0	0	0
State Landfill and/or Solid Waste Disposal Site	½ mile	0	0	0
Leaking Underground Storage Tanks (LUSTs)	½ mile	0NORTHEAST TRUCK IS ,1/2 MI	0	0
Registered USTs	Site and adjoining properties	0	0	0
State IC/EC Registries	Site only	0	0	0
Voluntary/Brownfield Cleanup Program Sites	½ mile	0	0	0

<sup>\*</sup> The approximate minimum search distance indicates the minimum distance measured from the nearest Site boundary for which EDR performed the database review.

# 7.2 <u>LISTINGS FOR SITE AND ADJOINING PROPERTIES</u>

The Site was not identified on state or federal databases by EDR.

The following properties were identified adjoining the Site.

Site Name	Blueberry Heights
Address	Route 102
Distance/Direction from Site	Adjoining northwest of the Site
Map ID Number	N/A
Database(s)	
Comments	The property is identified on the State Hazardous Waste Site (SHWS) database with the status of "Inactive". See Section 7.5 for more information.

Site Name	West Greenwich Pit
Address	789 Victory Highway
Distance/Direction from Site	Adjoining west of the Site.
Map ID Number	A3/A4



Database(s)	Abandoned Mines, US Mines
	The property is identified as a construction sand and gravel mine with a status of abandoned on June 24, 2009.

Site Name	DuPuis Oil	
Address 746 Victory Highway		
Distance/Direction from Site Adjoining to the south of the Site		
Map ID Number	1	
Database(s)	AST	
Comments	The facility is identified on the Aboveground Storage Tank (AST) database with a 30,000-gallon heating oil (No. 2). No violations were noted.	

# 7.3 <u>LISTINGS FOR OTHER VICINITY PROPERTIES</u>

No properties were listed up gradient of the Site within the approximate minimum search distance from the Site and with an open regulatory status with RIDEM.

#### 7.4 EVALUATION OF UNMAPPED PROPERTIES

GZA also reviewed the list of orphan sites, which are properties with insufficient address information to allow the mapping software to plot a location. Based on the incomplete descriptions provided in the database summary, it does not appear that the listed properties could impact the Site.

# 7.5 <u>REGULATORY FILE REVIEW</u>

On DATE, GZA reviewed RIDEM files pertaining to Blueberry Heights, the property adjoining to the northwest of the Site. Blueberry Height is listed on the State Hazardous Waste Site (SHWS) database with a status of Inactive. The property is currently a mobile home residential park.

In a Technical Report dated September 19, 1983, RIDEM reported that a disposal pit, identified as the Studley Property (located approximately 0.5 miles south of the Site along Victory Highway) had provided potentially contaminated soil to Blueberry Heights. Blueberry Heights may have used the soil to grade the neighborhood unpaved roadway.

In November 1987, RIDEM collected two samples of the soil on the roadway. Polychlorinated biphenyls (PCBs) were identified in the samples at 50 ppm and 90 ppm. RIDEM issued a Notice of Violation to the Blueberry Heights owner.

The owner collected their own set of samples that were reported as non-detect. Because of this discrepancy, In October 1988, RIDEM agreed to split the original November 1987 samples and have them retested for PCBs. The split sample analysis was returned non-detect.



Based on this information, RIDEM rescinded the NOV.

However, a joint sampling between RIDEM and the property owner was conducted May 13, 1988. Six samples were taken along the Blueberry Heights roadway. Results were reported, with PCBs detected from 4 ppm to 12 ppm.

No further information was available in the RIDEM files.

PCBs are generally immobile in soil, therefore, GZA considers it unlikely that the contamination would migrate onto the target Site. Based on the type and level of contamination reported, as well as the property's regulatory status of Inactive, it is GZA's opinion that the property is unlikely to have impacted soil, groundwater or soil vapor at the Site.

#### 8.0 INTERVIEWS

GZA interviewed the following people as part of this Phase I ESA. The information that each interviewee provided is discussed and referenced within the text of this Phase I ESA Report.

- Mr. Gary Charpentier for SWAP, Inc.
- Town of West Greenwich Tax Assessor's Office online files
- · Town of West Greenwich Building Department online files
- Town of West Greenwich Fire Department online files

#### 9.0 USER-PROVIDED INFORMATION

GZA requested information from the Client regarding title information, environmental liens, Activity and Use Limitations, and specialized knowledge or commonly known information regarding the Site and, if applicable, the reason for a significantly discounted purchase price. Provided in **Appendix E** is a copy of the User Ouestionnaire.

# 10.0 NON-ASTM E1527-13 CONSIDERATIONS

This Phase I ESA does not include an evaluation of environmental issues or conditions that ASTM E1527-13 stipulates as non-scope considerations.

#### 11.0 FINDINGS AND CONCLUSIONS

GZA performed a Phase I ESA in general conformance with the scope and limitation of ASTM E1527-13 for the property located at 710 Victory Highway, West Greenwich, Rhode Island. Exceptions to, or deletions from, this practice are described in **Section 1.4** of this Phase I ESA Report.



# 11.1 \_RECOGNIZED ENVIRONMENTAL CONDITIONS

In GZA's opinion, this Phase I ESA revealed no evidence of RECs in connection with the Site.

# 11.2 \_CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

In GZA's opinion, this Phase I ESA revealed no evidence of CRECs in connection with the Site.

## 11.3 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

In GZA's opinion, this Phase I ESA revealed no evidence of HRECs in connection with the Site.

# 11.4 DE MINIMIS CONDITIONS

This Phase I ESA revealed no evidence of de minimis conditions in connection with the Site.

#### 11.5 DATA GAPS AND THEIR SIGNIFICANCE

This Phase I ESA encountered no data gaps, as defined by ASTM E1527-13.

# 11.6 NON-ASTM E1527-13 CONSIDERATIONS

No non-ASTM E1527-13 considerations were evaluated as part of GZA's Scope of Services.

# 11.7 OTHER BUSINESS ENVIRONMENTAL RISKS

This Phase I ESA revealed the following BERs, in addition to the BERs identified above:

Future Site redevelopment activities may encounter residual contamination in soils in those areas where
there have been undocumented historical releases and/or spills, the remnants of foundations associated
with previous on-Site buildings, or urban fill material which may have been imported to bring the Site
to grade. Any such impacted material either must be managed on or off the Site in conformance with
applicable federal, state, and local regulations.

# 12.0 REFERENCES

- EDR Radius Map Report, December 2, 2020 with Geocheck™, Sheldon CT
- EDR Aerial Photo Decade Package, December 2, 2020, Sheldon CT
- EDR-City Directory Image Report, December 3, 2020, Sheldon CT
- EDR Historical Topo Map Report, December 2, 2020, Sheldon CT



Page 16

Certified Sanborn ® Map Report, December 2, 2020, Sheldon CT

#### **ENVIRONMENTAL PROFESSIONAL OPINION**

I declare, to the best of my professional knowledge and belief, that I meet the definition of Environmental Professional as defined in 40 CFR §312.10(b); that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property; and that I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312. The signature of the Environmental Professional is contained on the cover letter of this Phase I ESA Report. The qualifications of the Environmental Professional are provided in Appendix F.

#### 14.0 LIMITATIONS

GZA prepared this Phase I ESA Report on behalf of, and for the exclusive use of SWAP, Inc. for the stated purposes for the Site identified in this Phase I ESA Report. However, GZA acknowledges and agrees that this Phase I ESA Report may be conveyed to the lender associated with the proximate purchase of the Site to the extent set forth in our Terms and Conditions provided in **Appendix A**. Use of this Phase I ESA Report, in whole or in part, at other locations, or for other purposes, might lead to inappropriate conclusions, and we do not accept any responsibility for the consequences of such use. Further, reliance by any party not identified in the agreement, for any use, shall be at that party's sole risk, and without any liability to GZA.

GZA performed its services to render an opinion on the presence of RECs in connection with the Site. We performed our services using that degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. We make no warranty, express or implied.

Our findings and conclusions are based on the work conducted as part of the Scope of Services set forth in this Phase I ESA Report, and reflect our professional judgment. Our findings and conclusions should not be considered as scientific certainties or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work.

No environmental site assessment can eliminate the uncertainty of the possible presence of RECs. This Phase I ESA Report was prepared to help reduce, not to eliminate, such uncertainties. Consistent with ASTM E1527-13, we developed our opinions in light of the constraints imposed by time and budget.

As indicated within this Phase I ESA Report, we observed conditions at the Site and at adjoining properties for evidence of RECs at the Site. Where access to portions of the Site or to structures on the Site was unavailable or limited, GZA renders no opinion as to the presence of hazardous substances, hazardous waste, or petroleum products, or to the presence of indirect evidence relating to these materials, in those portions of the Site or structure. In addition, GZA renders no opinion as to the presence of hazardous substances, hazardous waste, or petroleum products, or to the presence of indirect evidence relating to these materials, where direct observation of the interior walls, floors, and/or ceilings of a structure on the Site was obstructed by objects and/or coverings on and/or over such surfaces. We based our opinions on such limited



Page 17

observations. Additionally, some activities or events impacting environmental conditions at the Site or on adjoining properties might have been transient and not observable at the time of GZA's site reconnaissance.

We relied upon information made available by federal, state, and local authorities, the key site manager, and others. We did not attempt to independently verify the accuracy or completeness of that information. We noted inconsistencies in this information within the Report.

The lender, seller, buyer, or other parties that might become involved with the Site might develop additional opinions or information regarding the presence or absence of RECs at the Site. Such additional opinions or information might not fully support the opinions provided in this Phase I ESA Report. In the event such additional opinions or information is developed, we recommend retaining GZA to review this material so that we have the opportunity to evaluate and modify, as necessary, the opinions provided in this Phase I ESA Report.

Unless otherwise specified within this Phase I ESA Report, we have rendered no opinion on the compliance of Site conditions or activities with federal, state, and local codes, laws, or regulations.

GZA based the opinions expressed in this Phase I ESA Report on conditions observed during the course of our work on this Site; these conditions might change over time. ASTM E1527-13 specifies that observations and opinions are only valid for 180 days from the date the underlying information is developed. After 180 days, portions of this Phase I ESA Report may need to be updated.



**FIGURE 1 - LOCUS PLAN** 



© 2020

COVENTRY, RHODE ISLAND (2015)

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88,

CONTOURS ARE SHOWN IN FEET AT 10' INTERVALS

THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FO PPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSE OF OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION UT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

VICTORY WOODS 710 VICTORY HIGHWAY WEST GREENWICH, RHODE ISLAND



GZAGeoEnvironmental, Inc. **Engineers and Scientists** www.gza.com

PREPARED FOR: DESIGN & CONSTRUCTION FOR SWAP, INC 439 PINE STREET PROVIDENCE, RHODE ISLAND 02907

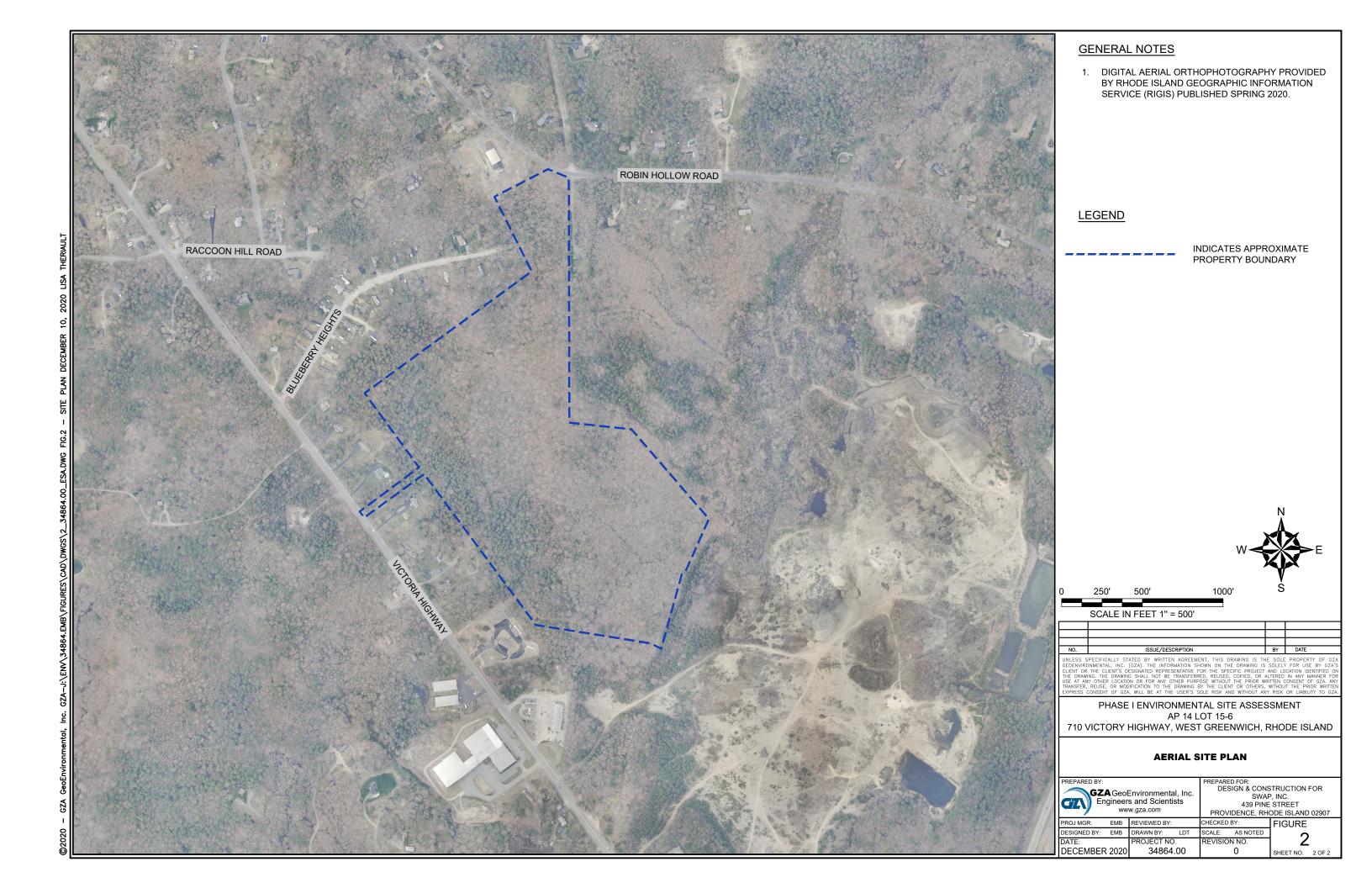
REVIEWED BY CHECKED BY: DESIGNED BY DRAWN BY: LDT SCALE: AS NOTED REVISION NO. PROJECT NO DATE: 34864.00 DECEMBER 2020 0

**FIGURE** SHEET NO.

**LOCUS** 



FIGURE 2 - SITE PLAN





**APPENDIX A - PROJECT TERMS AND CONDITIONS** 



# TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

# Including Site Investigation, Remediation, Geotechnical, Construction, And Testing

© 2016 by GZA GeoEnvironmental, Inc.

Client ("You"): Design and Construction for SWAP, Inc.

Proposal No: 03.P000302.21

Site: 710 Victory Highway, West Greenwich, RI

These Terms and Conditions, together with GZA's Proposal, make up the Agreement between GZA and you, Client, named above.

# BEFORE SIGNING THE PROPOSAL, BE SURE YOU READ AND UNDERSTAND THE PARAGRAPHS ENTITLED "INDEMNIFICATION" AND "LIMITATION OF REMEDIES" WHICH DEAL WITH THE ALLOCATION OF RISK BETWEEN YOU AND GZA.

1. Services. GZA will perform the services set forth in its Proposal and any amendments or change orders authorized by you. Any request or direction from you that would require extra work or additional time for performance or would result in an increase in GZA's costs will be the subject of a negotiated amendment or change order.

### 2. Standard of Care; Warranties.

- a. GZA will perform the services with the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services at the same time under similar conditions in the same or similar locality.
- b. GZA warrants that its construction services will be of good quality, free of faults and defects and in conformance with the Proposal.
- EXCEPT AS SET FORTH IN SUBSECTIONS 2a AND 2b, ABOVE, NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY GZA'S PROPOSAL OR BY ANY OF GZA'S ORAL OR WRITTEN REPORTS.
- d. GZA assigns to you any manufacturers' warranties of equipment or materials purchased from others, to the extent they are assignable, and your sole recourse will be against the manufacturer. Full risk of loss of materials and equipment will pass to you upon delivery to the Site, and you will be responsible for insuring and otherwise protecting them against theft and damage.

# 3. Payment.

- a. Except as otherwise stated in the Proposal, you will compensate GZA for the services at the rates set forth in the applicable Proposal, amendment or change order; reimburse its expenses, which will include a communication fee calculated as a percentage of labor invoiced; and pay any sales or similar taxes thereon.
- b. Any retainer specified in GZA's Proposal shall be due prior to the start of services and will be applied to the final invoice for services.
- c. GZA will submit invoices periodically, and payment will be due within 20 days from invoice date. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. GZA may terminate its services upon 10 days' written notice anytime your payment is overdue on this or any other project and you will pay for all services through termination, plus termination costs. You will reimburse GZA's costs of collecting overdue invoices, including reasonable attorneys' fees.

#### 4. Your Responsibilities.

- a. Except as otherwise agreed, you will secure the approvals, permits, licenses and consents necessary for performance of the services. If you are the owner or operator of the Site, you will provide GZA with all documents, plans, information concerning underground structures (including but not limited to utilities, conduits, pipes, and tanks), information related to hazardous materials or other environmental or geotechnical conditions at the Site and other information that may be pertinent to the services or, if you are not the owner or operator of the Site, you agree to make reasonable efforts to obtain these same documents and provide them to GZA. Unless otherwise indicated in writing, GZA will be entitled to rely on documents and information you provide.
- If you use the services of a construction manager at the Site, you agree to use best and reasonable efforts to include in your agreement(s) with the construction contractor provisions obligating the latter:
  - (i) to indemnify and hold harmless, to the fullest extent permitted by law, you and GZA, its officers, employees and principals, for or on account of any claims, liabilities, costs and expenses, including attorneys' fees, arising out of or relating to the design or implementation of construction means, methods, procedures, techniques, and sequences of construction, including safety precautions or programs, of the contractor, or any of its subcontractors or any engineer engaged by it;
  - (ii) to name you and GZA as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor, or any of its subcontractors; and

- (iii) to require that all of its subcontractors agree and be bound to the obligations set forth in (i) and (ii) above.
- c. In the event that you are unable to secure such provisions in the agreement(s) with the construction contractor, you shall promptly notify GZA and GZA shall have the opportunity to negotiate with you reasonable substitute risk allocation and insurance indemnities and protections.
- 5. Right of Entry; Site Restoration. You grant GZA and its subcontractor(s) permission to enter the Site to perform the services. If you do not own the Site, you represent and warrant that the owner has granted permission for GZA to enter the Site and perform the services; you will provide reasonable verification on request; and you will indemnify GZA for any claims by the Site owner related to alleged trespass by GZA or its subcontractors. GZA will exercise reasonable care to limit damage to landscaping, paving, systems and structures at the Site that may occur and you agree to compensate GZA for any restoration it is asked to perform, unless otherwise indicated in the Proposal.
- **6. Underground Facilities.** GZA's only responsibility under this Section will be to provide proper notification to the applicable state utility "Call-Before-You-Dig" program. You further agree to assume responsibility for and to defend, indemnify and hold harmless GZA with respect to personal injury and property damages due to GZA's interference with subterranean structures including but not limited to utilities, conduits, pipes, and tanks:
  - (i) that are not correctly shown on any plans and information you or governmental authorities provide to GZA; or
  - (ii) that are not correctly marked by the appropriate utility.
- 7. Reliance. The services, information, and other data furnished by you shall be at your expense, and GZA may rely upon all information and data that you furnish, including the accuracy and completeness thereof. You acknowledge that the quality of the services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA. GZA's REPORTS ARE PREPARED FOR AND MADE AVAILABLE FOR YOUR SOLE USE. YOU ACKNOWLEDGE AND AGREE THAT USE OF OR RELIANCE UPON THE REPORT OR THE FINDINGS IN THE REPORT BY ANY OTHER PARTY, OR FOR ANY OTHER PROJECT OR PURPOSE, SHALL BE AT YOUR OR SUCH OTHER PARTY'S SOLE RISK AND WITHOUT ANY LIABILITY TO GZA.
- **8.** Lab Tests and Samples. GZA is entitled to rely on the results of laboratory tests using generally accepted methodologies. GZA may dispose of samples in accordance with applicable laws 30 days after submitting test results to you unless you request in writing for them to be returned to you or to be held longer, in which case you will compensate GZA for storage and/or shipping beyond 30 days.
- g. GZA Professionals. GZA employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, or Certified Industrial Hygienists collectively referred to in this section as "GZA Professionals") whose duties may include the rendering of independent professional opinions. You acknowledge that a federal, state or local agency or other third party may audit the services of GZA or other contractor/consultant(s), which audit may require additional services, even though GZA and such GZA Professionals have each performed such services in accordance with the standard of care set forth herein. You agree to compensate GZA for all services performed in response to such an audit, or to meet additional requirements resulting from such an audit, at the rates set forth in the applicable Proposal, amendment or change order.
- 10. Hazardous Materials; GZA "Not a Generator". Before any hazardous or contaminated materials are removed from the Site, you will sign manifests naming you as the generator of the waste (or, if you are not the generator, you will arrange for the generator to sign). You will select the treatment or disposal facility to which any waste is taken. GZA will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any hazardous or contaminated materials at or removed from the Site. GZA will not have responsibility for or control of the Site or of operations or activities at the Site other than its own. GZA will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any hazardous or contaminated materials at or removed from the Site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold GZA harmless for any costs or liability incurred by GZA in defense of or in payment for any legal actions in which it is alleged that GZA is the owner, generator, treater, storer or disposer of hazardous waste
- 11. Limits on GZA's Responsibility. GZA will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. GZA will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall GZA's professional activities nor the presence of GZA or its employees and subcontractors be construed to imply that GZA has authority over or responsibility for the means, methods, techniques, sequences or procedures of construction, for work site health or safety precautions or programs, or for any failure of contractors to comply with contracts, plans, specifications or laws. Any opinions by GZA of probable costs of labor, materials, equipment or services to be furnished by others are strictly estimates and are not a guarantee that actual costs will be consistent with the estimates.

# 12. Changed Conditions.

a. You recognize the uncertainties related to environmental and geotechnical services, which often require a phased or exploratory approach, with the need for additional services becoming apparent during the initial services. You also recognize that actual conditions encountered

may vary significantly from those anticipated, that laws and regulations are subject to change, and that the requirements of regulatory authorities are often unpredictable.

- b. If changed or unanticipated conditions or delays make additional services necessary or result in additional costs or time for performance, GZA will notify you and the parties will negotiate appropriate changes to the scope of services, compensation and schedule.
- c. If no agreement can be reached, GZA will be entitled to terminate its services and to be equitably compensated for the services already performed. GZA will not be responsible for delays or failures to perform due to weather, labor disputes, intervention by or inability to get approvals from public authorities, acts or omissions on your part, or any other causes beyond GZA's reasonable control, and you will compensate GZA for any resulting increase in its costs.
- 13. Documents and Information. All documents, data, calculations and work papers prepared or furnished by GZA are instruments of service and will remain GZA's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to GZA. Any delayed use, use at another site, use on another project, or use by a third party will be at the user's sole risk, and without any liability to GZA. Any technology, methodology or technical information learned or developed by GZA will remain its property. Provided GZA is not in default under this Agreement, GZA's designs will not be used to complete this project by others, except by written agreement relating to use, liability and compensation.
- 14. Electronic Media. In accepting and utilizing any drawings, reports and data on any form of electronic media generated by GZA, you covenant and agree that all such electronic files are instruments of service of GZA, who shall be deemed the author and shall retain all common law, statutory law and other rights, including copyrights. In the event of a conflict between the signed documents prepared by GZA and electronic files, the signed documents shall govern. You agree not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Any transfer of these electronic files to others or reuse or modifications to such files by you without the prior written consent of GZA will be at the user's sole risk and without any liability to GZA.
- 15. Confidentiality; Subpoenas. Information about this Agreement and GZA's services and information you provide to GZA regarding your business and the Site, other than information available to the public and information acquired from third parties, will be maintained in confidence and will not be disclosed to others without your consent, except as GZA reasonably believes is necessary: (a) to perform its services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws and court orders. GZA will make reasonable efforts to give you prior notice of any disclosure under (b) or (c) above. Information available to the public and information acquired from third parties will not be considered confidential. You will reimburse GZA for responding to any subpoena or governmental inquiry or audit related to the services, at the rates set forth in the applicable Proposal, amendment or change order.
- **16. Insurance.** During performance of the services, GZA will maintain workers compensation, commercial general liability, automobile liability, and professional liability/contractor's pollution liability insurance. GZA will furnish you certificates of such insurance on request.
- 17. Indemnification. You agree to hold harmless, indemnify, and defend GZA and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "GZA") against all claims, suits, fines and penalties, including mandated cleanup costs and attorneys' fees and other costs of settlement and defense, which claims, suits, fines, penalties or costs arise out of or are related to this Agreement or the services, except to the extent they are caused by GZA's negligence or willful misconduct.

#### 18. Limitation of Remedies.

- a. To the fullest extent permitted by law and notwithstanding anything else in this Agreement to the contrary, the aggregate liability of GZA and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "GZA") for all claims arising out of this Agreement or the services is limited to \$50,000 or, if greater, 10% of the compensation received by GZA under this Agreement.
- b. You may elect to increase the limit of liability by paying an additional fee, such fee to be negotiated prior to the execution of this Agreement.
- c. Any claim will be deemed waived unless received by GZA within one year of substantial completion of the services.
- d. GZA will not be liable for lost profits, loss of use of property, delays, or other special, indirect, incidental, consequential, punitive, exemplary, or multiple damages.
- e. GZA will not be liable to you or the Site owner for injuries or deaths suffered by GZA's or its subcontractors' employees.
- f. You will look solely to GZA for your remedy for any claim arising out of or relating to this Agreement, including any claim arising out of or relating to alleged negligence or errors or omissions of any GZA principal, officer, employee or agent.



#### 19. Disputes.

- a. All disputes between you and GZA shall be subject to non-binding mediation.
- b. Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within forty-five (45) days of service of notice.
- c. The mediation shall be administered by the American Arbitration Association in accordance with its most recent Construction Mediation Rules, or by such other person or organization as the parties may agree upon.
- d. No action or suit may be commenced unless mediation has occurred but did not resolve the dispute, or unless a statute of limitation period would expire if suit were not filed prior to such forty-five (45) days after service of notice.

#### 20. Miscellaneous.

- a. Massachusetts law shall govern this Agreement.
- b. The above terms and conditions regarding Limitation of Remedies and Indemnification shall survive the completion of the services under this Agreement and the termination of the contract for any cause.
- c. Any amendment to these Terms and Conditions must be in writing and signed by both parties.
- d. Having received these Terms and Conditions, your oral authorization to commence services, your actions, or your use of the Report or Work Product constitutes your acceptance of them.
- e. This Agreement supersedes any contract terms, purchase orders or other documents issued by you.
- f. Neither party may assign or transfer this Agreement or any rights or duties hereunder without the written consent of the other party.
- g. Your failure or the failure of your successors or assigns to receive payment or reimbursement from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to GZA under this agreement.
- h. These Terms and Conditions shall govern over any inconsistent terms in GZA's Proposal.
- i. The provisions of this Agreement are severable; if any provision is unenforceable it shall be appropriately limited and given effect to the extent it is enforceable.
- j. The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective successors and assigns.



**APPENDIX B - PHOTOGRAPH LOG** 





Photo No. 1

View looking east along one of the walking paths.



Photo No. 2

IMG 0643



Photo No. 3

Abutting land to the southeast.



Photo No. 4

View of solar array to the east.





Photo No. 5

View along Blueberry Heights abutting the Site to the north.



Photo No. 6

View of one of four onsite drinking water supply wells.



### December 16, 2020 **710 Victory Highway - Phase I Environmental Site Assessment** 03.0034864.00



Photo No. 7

View of property boundary stake (placed by others).



Photo No. 8

View looking north along one of the walking paths.

December 16, 2020 **710 Victory Highway - Phase I Environmental Site Assessment** 03.0034864.00



Photo No. 9

View of one of the onsite water supply wells.



Photo No. 10

View of an onsite water supply well located in eastern portion of the site.





Photo No. 11

Typical view of the wooded site.



Photo No. 12

View along one of the walking paths.





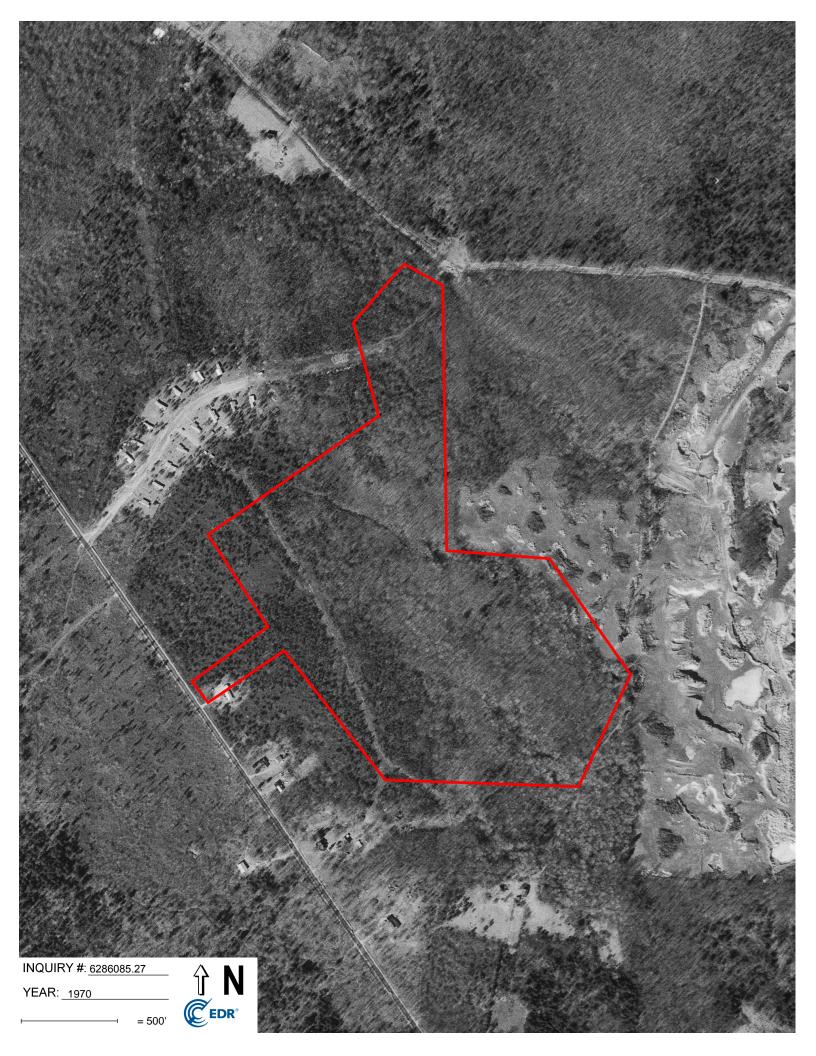
**Photo No. 13** View towards the newly constructed solar array abutting the property to the east.



**Photo No. 14** Typical view of the wooded site.



**APPENDIX C - HISTORICAL DOCUMENTATION** 





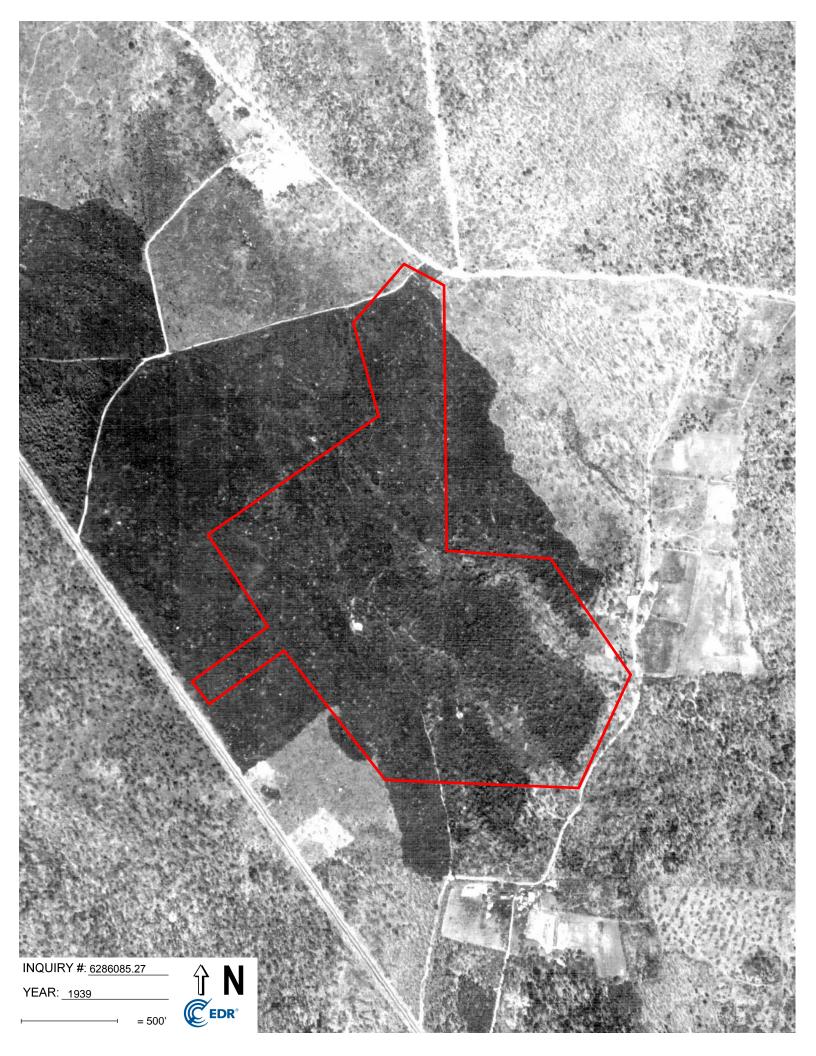
INQUIRY #: <u>6286085.27</u> YEAR: <u>1962</u>











#### 21-302 SWAP West Greenwich

710 Victory Higyway West Greenwich, RI 02817

Inquiry Number: 6286085.24

December 03, 2020

# The EDR-City Directory Image Report



#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

#### **RECORD SOURCES**

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2017	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
2014		$\overline{\checkmark}$	EDR Digital Archive
2010	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
2005	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
2000	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
1995	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
1992			EDR Digital Archive
1985			Cole Criss-Cross Directory

### **FINDINGS**

### TARGET PROPERTY STREET

710 Victory Higyway West Greenwich, RI 02817

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
VICTORY	<u>HWY</u>	
2017	pg A4	EDR Digital Archive
2014	pg A9	EDR Digital Archive
2010	pg A15	EDR Digital Archive
2005	pg A21	EDR Digital Archive
2000	pg A27	EDR Digital Archive
1995	pg A31	EDR Digital Archive
1992	pg A34	EDR Digital Archive
1985	pg A37	Cole Criss-Cross Directory

6286085- 24 Page 2

### **FINDINGS**

### **CROSS STREETS**

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
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### **ROBIN HOLLOW RD**

2017	pg. A2	EDR Digital Archive
2014	pg. A7	EDR Digital Archive
2010	pg. A13	EDR Digital Archive
2005	pg. A19	EDR Digital Archive
2000	pg. A25	EDR Digital Archive
1995	pg. A30	EDR Digital Archive
1992	pg. A33	EDR Digital Archive
1985	pg. A36	Cole Criss-Cross Directory

6286085- 24 Page 3



EDR Digital Archive

### **ROBIN HOLLOW RD** 2017

25	CASAVANT, GINA L
40	MATHEWS, JEFFREY A
49	ERWIN, NATHAN W
56	HUNT, KENNETH D
59	GUERTIN, EARL E
64	ANDERSON, JUDITH W
69	MENARD, ANDREW C
73	LANOIE, PAUL A
74 70	SANSONE, ANN L
79	HARRIS, JOHN I
80 89	SOLLA, VICTORIA
97	WEBB, MARGARET M CARDONA, ALBERTO A
103	GOMES, CARLOS M
103	ANTHONY, JOHN W
159	DION, CHARLES D
160	STEWART, BRENT R
165	BAMBERRY, KATHLEEN M
168	FAHMY, ELISHA M
171	CHABOT, ERIC M
189	PARENTEAU, JEFFREY P
197	BORGES, EDMUND D
200	MALIKOWSKI, GARY K
207	LALIBERTE, DAVID F
210	READ, FRED F
217	READ, MARGUERITE A
235	READ, DAVID B
249	DAVIS, CHERYL D
265	HEPBURN, CRAIG V
275	FUCHS, DON D
278	HARRALL, KENNETH W
283	LANGLAIS, BERNARD T
286	MCCALL, STEPHEN W
289	CHELO, GARY J
294	ANDRADE, VIRGINIA G
302	ERBA, DENNIS D
309	HUTCHISON, JOHN A
310	AXE, CATHERINE J
330	BARNEY, LORI A
339	BLUME, LAURA I
340	LEPAGE, MICHAEL R
	MACKENZIE, SCOTT C
346	ROBERTSON, THOMAS M
355	SCARAMUZZI, DAVID K
358	LONNGREN, KEN J
363	COURNOYER, RAYMOND P
369	BARRETT, DAVID R
377	THADEIO, PETER F
391	PERRY, RALPH G
399	GIORDANO, SABATINO A

# ROBIN HOLLOW RD 2017 (Cont'd)

409	PALMER, KIMBERLY M
420	PERROTTI, GERALDINE M
421	GOWER, LISA A
427	ROBERTO, KELLY L
435	FISHER, LYNN A
436	ANDREWS, KENNETH L
441	POTTS, ALEXANDER J
448	RICHARDSON, ALAN F
449	BOTELHO, ROBERT J
454	CROWSHAW, PAUL J
455	FERREIRA, MICHAEL A
461	SMITH, RUSSELL A
462	LOFGREN, JACOB D
467	PANTELEAKIS, CONSTANTINE G
475	DIMARTINO, LUIGI D
481	EBERT, PETER J

### VICTORY HWY 2017

1	MCMANUS, DAVID B
4	SNOW, ALICIA L
9	PASSARELLI, CARL A
14	WEST GREENWICH ANIMAL HOSPITAL
15	K S ELECTRIC
21	ANDREWSJR, CHARLES
	BREENE, KEVIN A
	BREENE, LAUREN
	BREENE, STEVEN F
	CAPWELL, THRUSTON C
	MALIKOWSKI, DANIELLE
28	MOTTE, MARY M
31	KNIGHT, CHARLES D
36	WALLACE, SCOTT A
48	BONADIO, ANN
	CRAVEIRO, ANTHONY
	DUGAN, SEAN T
	GARVEY, THOMAS F
	HATHAWAY, SHELLY
	TAVARES, LOUIS A
	WOODBINE, LANCE J
75	POTTER, SARA C
81	LAWRENCE, THOMAS A
89	HAYES, KEVIN A
92	MCDUNNAN, JODI
93	MARKS, JASON
99	FALVEY, JAMES M
109	CRANSTON, MARK C
114	OGG, STEVE
119	DELGUIDICE, BEVERLY A
124	PURCELL, SEAMUS J
125	RUDIO, ROLAND A
131	SWEET, CRAIG A
139	BURBANK, AMANDA G
147	ADAM, MAZIN S
155	WESTON, GENE K
161	HOPKINS, JESSICA R
169	ROSE, DAVID A
179	PLOUFFE, SANDRA M
183	AUTHELET, STEPHANIE L
189	ROBERGE, JAMES T
195	NARCISO, VIRGINIO G
201	WARD, DONNA M
201	GAMBA, CARLO D
211	ROLLAND, EDWARD J
233	
	AMARAL, ROBERT L
237	SWEET, PATRICIA R
240	HARRINGTON, MICHAEL J
245	BELL, KERI L
252	CROSSMAN, DAVID M

VICTORY HWY 2017 (Cont'd)

	(000000)
253	ANDREWS, DAWN M
259	ARNOLD, BRIAN S
260	FAITH FELLOWSHIP ASSEMBLY OF GOD
267	WHERRY, KARL D
270	TOWN OF WEST GREENWICH
274	TOWN OF WEST GREENWICH
275	KIBARIAN, ERIC
280	TOWN OF WEST GREENWICH
281	BRIEN, A J
	CLYDE ROLLOFF
	COOKE DISPOSAL
299	PALMISANO, ROBER
302	TOWN OF WEST GREENWICH
307	LEWIS, PAUL L
315	LAWRENCE, BROOKE A
320	DEUS, JOSEPH P
340	HARRINGTON, ERNEST P
350	RATHBUN, SHAYNE K
360	BRUNEAU, PAUL N
367	LEVEILLEE, MICHAEL J
370	SALISBURY, JOHN D
390	BARONE, STEPHEN P
401	UNIVERSITY OF RHODE ISLAND W ALTON J
404	CARON, CONTANCE B
409	MARPLE, ALAN L
410	RUZZO, JOHN L
410	STONERIDGE REALTY
416	KELLY, CHRISTOPHER C
417	SANTILLI, DOMENICA
424	RUZZO, JOHN M
433	COVILL, THOMAS C
441	SANTILLI, ANTONIO L
449	FORTUNE, WAYNE
464	BLANCHETTE, DENNIS L
467	SMITH, JOSEPH F
481	WHEELER, ALICIA V
489	
409	ANDREWS, ROBERT B
400	THORNTON, TRACY A
490	CARLSON, RICK
500	ANSAY, STEPHANIE A
507	BENOIT, SAMUEL R
510	MIRANDA, TROY
537	KISSINGER, MICHAEL L
552	VELARDO, CHARLES V
568	ROBBINS, EDWARD W
574	MALIKOWSKI, M
579	SMITH, GREGORY R
588	LARDNER, TERENCE F
589	IACONELLI, MARCELLO
598	HERNANDEZ, CARLOS X

VICTORY HWY 2017 (Cont'd)

607	RUGGY, BETTY
612	NASIATKA, MARISSA J
617	ANDREWS, DAVID
620	BLAKE, SUSAN E
637	MORTON, DIANNE E
650	ROMAN, JANE E
660	NAPOLILLO, RALPH D
680	BUONFIGLIO, LAWRENCE P
689	LANGLAIS, CHERYL
696	CASTAGNA, VITTORIO N
701	DANIELSON, MICHAEL K
	LOLIO, KENNETH
716	VERVILLE, RONALD L
734	FITTON, MICHAEL S
740	VAIL, JUSTIN D
765	PORTER MACHINE
	RIDE INC
773	COAST TO COAST FULFILLMENT INC
780	CANAAN PSYCHOTHERPY
	DUNKIN DONUTS
	JOHN HOWARD AGENCY
	JOHN T HOWARD INSURANCE
	KLASSY KUTZ
	LOCKSMITH
	P & J ALARM
	SUBWAY
	VICTORY MEDICAL SPA
	WEST GREENWICH PACKAGE STORE
	WEST GREENWICH TOWNE PIZZA
803	ANDREWS, AUBREY W
804	MORGAN, SARAH M
846	MILLER, DANIELLE L
849	LANTIC GREEN ENERGY LLC
	R IS ONLY 24 HOUR TRUCK & AUTO PLAZ
859	CLASSIC MOTOR LODGE
865	ROCH S FRESH FOOD
880	DANS PLACE

### **ROBIN HOLLOW RD** 2014

0.5	TEMOLIED, DRIAN D
25	TENCHER, BRIAN P
40	MATHEWS, JEFFREY A
48	KONUCH, DANIEL W
49	ERWIN, NATHAN W
56	HUNT, KENNETH D
59	GUERTIN, EARL E
64	ANDERSON, DONALD A
69	MENARD, ANDREW C
73	LANOIE, PAUL A
74	SANSONE, ANN L
79	HARRIS, JOHN I
80	AZZARELLO, FRANK J
84	WEBB, MARGARET
89	WEBB, MARGARET M
97	CARDONA, ALBERTO A
98	GOWDEY, MICHAEL S
103	GOMES, CARLOS M
127	STEWART, MARCIA G
159	DION, CHARLES D
160	STEWART, BRENT R
165	HULTZMAN, DENNIS E
168	FAHMY, ELISHA M
171	MASSIWER, GEORGE A
183	OCCUPANT UNKNOWN,
189	PARENTEAU, JEFFREY P
197	BORGES, EDMUND D
200	MALIKOWSKI, GARY K
207	LALIBERTE, DAVID F
210	READ, FRED F
217	HORTON, RITA K
005	READ, MARGUERITE A
235	READ, DAVID B
249	BORGES, THOMAS
259	PIGEON, DONALD H
265	OCCUPANT UNKNOWN,
275	FUCHS, DON D
278	HARRALL, KENNETH W
283	LANGLAIS, BERNARD T
286	MCCALL, STEPHEN W
289	CHELO, GARY J
294	ANDRADE, RICHARD L
300	SHATKIN, CHANMINA
302	ERBA, DENNIS D
309	HUTCHISON, JOHN A
310	WILLIAMS, BAILEY S
316	SHATKIN, AARON
330	THEROUX, DANIEL F
339	LABONTE, DONALD A
340	LEPAGE, MICHAEL R
	MACKENZIE, SCOTT C

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- EDR Digital Archive

# ROBIN HOLLOW RD 2014 (Cont'd)

340	OCCUPANT UNKNOWN,
346	ROBERTSON, THOMAS M
349	WARDLE, MATTHEW W
355	SCARAMUZZI, DAVID K
358	LONNGREN, IAN K
363	OCCUPANT UNKNOWN,
369	BARRETT, DAVID R
377	THADEIO, PETER F
391	PERRY, RALPH G
399	GIORDANO, SABATINO A
400	OCCUPANT UNKNOWN,
409	TUXBERRY, MICHAEL J
410	COPPAGE, DAVID A
420	PERROTTI, LOUIS J
421	LAFRENIERE, SEAN J
427	HART, HARRY K
430	LINDEN, GLEN A
435	FISHER, LYNN A
436	ANDREWS, KENNETH L
441	POTTS, ALEXANDER J
448	RICHARDSON, ALAN J
449	VEZINA, TAMMY L
454	CROWSHAW, PAUL J
455	FERREIRA, MICHAEL A
461	MOREY, TED
462	LOFGREN, JACOB D
467	PANTELEKIS, CONSTANTINE
475	DIMARTINO, LUIGI D
481	JENNIFER, ROSE

### VICTORY HWY 2014

1	MCMANUS, DAVID A
4	SNOW, PETER A
9	PASSARELLI, CARL A
14	WEST GREENWICH ANIMAL HOSPITAL
15	K S ELECTRIC
21	BREENE, KEVIN A
	CAPWELL, MARGARET C
	MALIKOWSKI, DANIELLE
	NBREENE, KAREN S
	OCCUPANT UNKNOWN,
28	MISSIONARIES, FRANCISCAN
31	KNIGHT, CHARLES D
	·
36	WALLACE, SCOTT A
46	MADDEN, BRIAN F
	NUGENT, PATRICK H
48	BERRY, THOMAS R
	DUGAN, SEAN T
	GARVEY, THOMAS
	HATHAWAY, SHELLY
	JERVIS, ANDREW
	LEWIS, PAUL L
	OCCUPANT UNKNOWN,
	TAVARES, LOUIS
	THOMAS, M G
	WOODBINE, MITCHELL P
81	LAWRENCE, THOMAS A
89	HAYES, KEVIN A
	SHAPPY, ROBERT
	SPRAGUE, LEE A
93	DONEGAN, JUDY J
99	FALVEY, JAMES M
109	SMITH, ROBERT M
	OCCUPANT UNKNOWN.
113	,
114	RICCIARDI, JOSEPH N
119	OCCUPANT UNKNOWN,
124	PURCELL, SEAMUS J
125	RUDIO, ROLAND A
131	SWEET, CRAIG A
134	SMITH, WENDY A
147	MURPHY, PETER J
155	WESTON, GENE K
161	ANDRCOZZI, JERRY
169	ROSE, DAVID A
179	PLOUFFE, SANDRA M
183	AUTHELET, LINDA C
189	ROBERGE, JAMES T
195	NARCISCO, VIRGINIO
201	WARD, DONNA M
211	OCCUPANT UNKNOWN,
221	KEELING, ROSE C
<b>44</b> I	NELLING, NOOL O

<u>Target Street</u> <u>Cross Street</u>

<u>Source</u>

**EDR** Digital Archive

# VICTORY HWY 2014 (Cont'd)

	<u> </u>
000	AMARAL GUERRU
233	AMARAL, CHERRI L
237	SWEET, TAMATHA J
240	HARRINGTON, MERRILL E
245	HOLLIS, NANCY J
252	LAVOIE, JOANNE H
253	ANDREWS, ALLEN A
254	TELLIER, NATHAN A
259	ARNOLD, BRIAN S
260	FAITH FELLOWSHIP ASSEMBLY OF GOD
267	WHERRY, KARL D
270	TOWN OF WEST GREENWICH
274	TOWN OF WEST GREENWICH
275	OCCUPANT UNKNOWN,
280	TOWN OF WEST GREENWICH
281	BRIEN, A J
	CLYDE ROLLOFF
	COOKE DISPOSAL
291	OCCUPANT UNKNOWN,
299	PALMISANO, ROBER
302	TOWN OF WEST GREENWICH
	WEST GREENWICH TOWN HALL
307	OCCUPANT UNKNOWN,
310	FISHMAN, ROBERT R
	OCCUPANT UNKNOWN,
315	LAWRENCE, BROOKE A
320	DEUS, JOSEPH P
	HAYES, LAURIE A
	OCCUPANT UNKNOWN,
333	MORISSETTE, ARTHUR D
340	HARRINGTON, ERNEST P
343	RICCI, JOHN A
350	RATHBUN, SHAYNE K
360	BRUNEAU, PAUL N
367	LEVEILLEE, MICHAEL J
370	ANDREWS, LAURA J
377	OCCUPANT UNKNOWN,
390	BARONE, STEPHEN P
404	CARR, PATTI P
409	MARPLE, ALAN L
410	RUZZO, JOHN L
440	STONERIDGE REALTY
416	OCCUPANT UNKNOWN,
417 425	SANTILLI, DOMENICA
425 426	OCCUPANT UNKNOWN,
426	RUZZO, JOHN M
428	KELLEY, KEVIN M
433	COVILL, THOMAS C
441	SANTILLI, ANTONIO L
442	SIEMBAB, ROANLD S
449	FORTUNE, WAYNE

VICTORY HWY 2014 (Cont'd)

	,
460	RUZZO, MICHAEL A
462	ACCURATE BILLING SYSTEM
464	CRAIG BLANCHETTE
40-	SEELENBRANDT, ANNE
467	SMITH, JOSEPH F
481	OCCUPANT UNKNOWN,
489	ANDREWS, ROBERT B
	OCCUPANT UNKNOWN,
400	THORNTON, TRACY A
490	BRIGHTMAN, RUSSELL S
500	BOUCHER, TIMOTHY W
507	BENOIT, SAMUEL R
510	HOBBS, KELSEY M
507	LAGODA, MICHAEL F
537	KISSINGER, LEE K
552	VELARDO, CHARLES V
559	OCCUPANT UNKNOWN,
568	CARUSO, PAUL J
569	OCCUPANT UNKNOWN,
574	MALIKOWSKI, MATTHEW
579	OCCUPANT UNKNOWN,
588	LARDNER, TERENCE J
589	COELHO, RICHARD A
598	HERNANDEZ, CARLOS X
606	GILEAU, SARAH J
607	RUGGY, BETTY
612	NASIATKA, MICHAEL J
617	ANDREWS, DAVID
620	FASANO, FRANK L
637 650	MORTON, STEVEN C
660	VIERLING, PAMELA J NAPOLILLO, RALPH D
680	AMARAL, EUGENE A
688	UCCI, NICHOLAS C
689	FINCH, GEORGE R
003	MORTON, EDNA I
	OCCUPANT UNKNOWN,
696	CASTAGNA, VITTORIO
700	WALSH, JOHN
701	GALLAGHER, KATHY A
701	OCCUPANT UNKNOWN,
704	WALLACE, WILLIAM D
716	VERVILLE, RONALD J
724	ARNOLD, WILLIAM C
734	FITTON, MICHAEL S
740	MANN, RAY L
745	EDWIN, MORTON R
765	PORTER MACHINE
	RIDE INC
	RIDE INCORPORATED

VICTORY HWY 2014 (Cont'd)

766	AAA ANTHONY KUKLA PHOTOGRAPHY
700	CLYDE ROLLOFF
	J & M PLUMBING
	SURE CUT LANDSCAPING
773	COAST TO COAST FULFILLMENT INC
780	CANAAN PSYCHOTHERPY
	DELILAHS DELI
	DUNKIN DONUTS
	JOHN T HOWARD INSURANCE
	KLASSY KUTZ
	LOCKSMITH
	P & J ALARM
	SUBWAY SANDWICHES
	VICTORY MEDICAL SPA
	WEST GREENWICH PACKAGE STORE
	WEST GREENWICH TOWNE PIZZA
793	IDE, STEVE
	MARAIA, JOSEPH M
	SMITH, J
803	ANDREWS, ALLEN A
822	SLATER, GILBERT J
834	CENTREVILLE BANK
	OCCUPANT UNKNOWN,
849	LANTIC GREEN ENERGY LLC
	R IS ONLY 24 HOUR TRUCK & AUTOMOBIL
	RIS INLY 24 HIUI TIUCK
	RIS INLY TWENTY FOUR HIUI TIUCK
	TOMMYS PLACE
0.50	TRAVEL CENTERS
859	CLASSIC LODGE
005	CLASSIC MOTOR LODGE WEST GREEN RES
865	ROCH S FRESH FOOD
880	DANS PLACE

### **ROBIN HOLLOW RD** 2010

05	TENCHED BRIAND
25 40	TENCHER, BRIAN P
40 48	MATHEWS, JEFFREY A KONUCH, DANIEL W
49 56	ERWIN, NATHAN W HUNT, KENNETH D
56 50	•
59 64	GUERTIN, EARL E
64	ANDERSON, DONALD A
69	LANOIE, ARMAND L
73	LANOIE, PAUL A
74	BLENNERHASSETT, ANN L
79	HARRIS, JOHN W
89	WEBB, MARGARET M
97	CARDONA, ALBERTO A
98	BERNARDINO, JAMES A
103	GOMES, CARLOS M
127	STEWART, MARCIA G
159	DION, CHARLES D
160	STEWART, BRENT R
165	HULTZMAN, DENNIS E
168 171	PANKOWICZ, JOSEPH J MASSIWER, GEORGE A
	,
183 189	ROMANO, ROBERT M
197	PARENTEAU, JEFFREY P BORGES, EDMUND D
200	MALIKOWSKI, GARY K
207	LALIBERTE, DAVID F
210	READ, FRED F
217	READ, MARGUERITE A
235	READ, DAVID B
249	BORGES, CHERIE D
259	PIGEON, DONALD H
265	HEPBURN, CRAIG V
275	HAUNSCHILD, STEVEN K
278	HARRALL, ANDY B
283	LANGLAIS, BERNARD T
286	MCCALL, PATRICIA K
289	CHELO, GARY J
294	ANDRADE, GREGORY S
302	ERBA, DENNIS D
309	HUTCHISON, JOHN A
310	WILLIAMS, BAILEY S
316	SHATKIN, CHANMINA C
330	MACLAUGHLIN, SHA
339	OCCUPANT UNKNOWN,
340	LEPAGE, MICHAEL R
	MACKENZIE, SCOTT C
346	ROBERTSON, THOMAS M
349	OCCUPANT UNKNOWN,
355	SCARAMUZZI, DAVID K
358	LONNGREN, KEN J

# ROBIN HOLLOW RD 2010 (Cont'd)

363	OCCUPANT UNKNOWN,
369	BARRETT, DAVID R
377	THADEIO, PETER F
380	TEFFI, BRIAN J
391	PERRY, RALPH G
399	GIORDANO, SABATINO A
400	COPPAGE, CHRISTINA
409	TUXBERRY, MICHAEL J
410	COPPAGE, DAVID A
420	PERROTTI, LOUIS J
421	LAFRENIERE, SEAN J
427	HART, HARRY K
430	LINDEN, GLEN A
435	TAYLOR, DWIGHT L
436	ANDREWS, KENNETH L
441	ACKERT, ROBERT E
448	RICHARDSON, ALAN J
449	VEZINA, HOWARD E
454	CROWSHAW, PAUL J
455	FERREIRA, MICHAEL A
461	MOREY, TED
462	LOFGREN, JACOB D
467	PANTELEAKIS, CONSTANTINE
475	DIMARTINO, LUIGI D
481	EBERT, PETER J

<u>Target Street</u> <u>Cross Street</u>

### <u>Source</u>

**EDR** Digital Archive

### VICTORY HWY 2010

4	MCMANILIC DAVID A
1	MCMANUS, DAVID A
4 9	SNOW, PETER A PASSARELLI, CARL A
	WEST GREENWICH ANIMAL HOSPITAL
14 15	
15 21	K S ELECTRIC
21	BELLEVILLE, V
	BREENE, KEVIN A
	BROWN, ANTHONY J CAPWELL, MARGARET C
20	OCCUPANT UNKNOWN,
28	FRANCISCAN MISSIONARIESMARY
24	OCCUPANT UNKNOWN,
31 36	KNIGHT, CHARLES D
36 46	WALLACE, SCOTT A MADDEN, BRIAN P
46	,
40	NUGENT, PATRICK H BONADIO, ANDREW
48	·
	DUGAN, SEAN T
	GARVEY, THOMAS M
	JERVIS, ANDREW OCCUPANT UNKNOWN,
	WOODBINE, LANCE J
75	POTTER, LIAM P
75 81	OCCUPANT UNKNOWN,
89	SPRAGUE, LEE A
92	PHELPS, EDWIN A
93	OCCUPANT UNKNOWN,
99	FALVEY, JAMES M
109	HEATON, TORI L
113	OCCUPANT UNKNOWN,
114	PHELPS, DONALD K
119	DELGUIDICE, ROBERT W
	GREENWICH MICROSCOPE
124	PURCELL, SEAMUS J
125	RUDIO, ROLAND A
131	SWEET, CRAIG A
134	SMITH, WENDY A
139	OCCUPANT UNKNOWN,
147	MURPHY, PETER J
155	WESTON, GENE K
161	ANDRCOZZI, JERRY
169	ROSE, DAVID A
179	PLOUFFE, SANDRA M
183	AUTHELET, LINDA C
189	ROBERGE, JOYCE L
195	OCCUPANT UNKNOWN,
201	WARD, RICHARD A
211	GAMBA, CARLO A
221	HENSLEY, P M
	OCCUPANT UNKNOWN,

<u>Target Street</u> <u>Cross Street</u>

VICTORY HWY 2010 (Cont'd)

**Source** 

**EDR** Digital Archive

221	ROBERTO, DAVID J
233	AMARAL, JOSEPH M
237	SWEET, TROY C
240	HARRINGTON, MERRILL E
245	HOLLIS, HOWARD H
252	LAVOIE, JOANNE H
253	ANDREWS, ALLEN A
254	LAGERSTROM, BILLIE J
259	OCCUPANT UNKNOWN,
260	FAITH FELLOWSHIP
267	WHERRY, KARL D
270	HIANOLAND FIRE CO
274	WEST GREENWICH PUBLIC LIBRARY
275	BLAKE, WILLIAM H
280	WEST GREENWICH ANIMAL CONTROL
	WEST GREENWICH BLDG & ZONING
	WEST GREENWICH CANVASSERS BRD
	WEST GREENWICH HIGHWAY GARAGE
	WEST GREENWICH POLICE DEPT
	WEST GREENWICH TAX ASSESSOR
	WEST GREENWICH TOWN CLERK
281	COOKE DISPOSAL
	SWEET, PETER E
290	EXETER W GREENWICH SOCCER ASSN
291	BRITT, GARY W
299	YOUNG, RHONDA L
302	WEST GREENWICH BLDG INSPECTOR
	WEST GREENWICH TOWN TREASURER
	WEST GREENWICH ZONING INSPCTR
307	LEWIS, TODD M
310	FISHMAN, ROBERT R
	OCCUPANT UNKNOWN,
315	LAWRENCE, THOMAS A
320	HAYES, LAURIE A
	OCCUPANT UNKNOWN,
325	HEBERT, TIM
333	OCCUPANT UNKNOWN,
340	HARRINGTON, ERNEST P
343	RICCI, JOHN A
350	RATHBUN, SHAYNE K
360	BRUNEAU, PAUL N
367	LEVEILLEE, MICHAEL J
370	ANDREWS, LAURA J
377	OCCUPANT UNKNOWN,
390	BARONE, STEPHEN P
401	UNIVERSITY OF KINGSTON RI
	UNIVERSITYRI ENVRMNTL ED CTR
	WHISPERING PINES CONFRNCE CTR
404	CARR, PATTI P
409	MARPLE, ALAN L
	,

VICTORY HWY 2010 (Cont'd)

440	DUZZO TRACY
410	RUZZO, TRACY
440	STONERIDGE REALTY
416	MATTERA, RICHARD
417	SANTILLI, RITA L
420	POMFRET, JUSTIN A
424	OCCUPANT UNKNOWN,
425	OCCUPANT UNKNOWN,
426 428	RUZZO, JENNIFER K KELLEY, KEVIN M
433	COVILL, THOMAS C
441	SANTILLI, ANTONIO L
442	SIEMBAB, ROANLD S
449	FORTUNE, JASON W
460	RUZZO, DEBRA L
462	ACCURATE BILLING SYSTEM
102	DAMBROSCA, ALAN D
464	RATHBUN, ROBERT J
467	SMITH, CHARLENE L
481	UCCI, MICHAEL G
489	ANDREWS, ROBERT B
	OCCUPANT UNKNOWN,
	THORNTON, TRACY
490	BLINKHORN, TODD W
500	BOUCHER, TIMOTHY W
507	BENOIT, SAMUEL R
510	LAGODA, MICHAEL F
	MULLEN, RYEN
537	KISSINGER, LEE K
552	VELARDO, CHARLES V
559	SMITH, ROBERT M
568	CARUSO, PAUL J
569	OCCUPANT UNKNOWN,
574	MALIKOWSKI, LAUREI A
579	OCCUPANT UNKNOWN,
588	LARDNER, TERENCE J
589	COELHO, LEILANI D
598	HERNANDEZ, CARLOS X
606	LECLERE, YVES S
607	RUGGY, BETTY
612	NASIATKA, MICHAEL J
617	LESNESKI, KERRI A
620	FASANO, FRANK L
637 650	MORTON, STEVEN H
650 660	VIERLING, STEPHEN T NAPOLILLO, RALPH D
672	BLUEBERRY, H
680	AMARAL, EUGENE A
688	OCCUPANT UNKNOWN,
689	FINCH, GEORGE R
503	MORTON, HAROLD T

VICTORY HWY 2010 (Cont'd)

689	OCCUPANT UNKNOWN,	
696	CASTAGNA, VITTORIO	
700	WALSH, JOHN	
701	DANTICO, RICHARD P	
	OCCUPANT UNKNOWN,	
	PHILLIPS, RICHARD	
704	WALLACE, WILLIAM B	
716	VERVILLE, RONALD J	
724	ARNOLD, WILLIAM C	
733	WEST GREENWICH CMNTY RESCUE CO	
734	FITTON, MICHAEL S	
739	OCCUPANT UNKNOWN,	
740	MANN, RAY L	
745	OCCUPANT UNKNOWN,	
746	OCCUPANT UNKNOWN,	
765	MATRIX VALVE INDUSTRIES LLC	
	PORTER MACHINE INC	
773	COAST TO COAST FULFILLMENT INC	
780	CONVENIENT CUTS	
	DUNKIN DONUTS	
	FARM FAMILY	
	JOHN T HOWARD INSURANCE	
	KLASSY CUTZ	
	OUR KIDS FARM	
	WEST GREENWICH PACKAGE STORE	
	WEST GREENWICH TOWNE PIZZA	
793	SMITH, J	
803	CAMACHO, MICHAEL S	
804	LEWIS, JUDI	
	MORGAN, SARAH M	
0.4 =	OCCUPANT UNKNOWN,	
815	OCCUPANT UNKNOWN,	
822	SLATER, GILBERT J	
834	CENTREVILLE SAVINGS BANK	
849	CHENEY AUTOMOTIVE ELECTRONICS	
	LANTIC GREEN ENERGY LLC	
	R IS ONLY 24 HOUR TRUCKAUTO RHODE ISLAND 24 HR TRUCK	
	TOMMYS PLACE N DRIVE THRU	
850	OCCUPANT UNKNOWN,	
859	CLASSIC MOTOR LODGE	
865	COCACOLA BOTTLING CO	
880	OCCUPANT UNKNOWN,	
997	BEAUCHEMIN, DENIS A	
531	DEAGONEWIN, DENIGA	

### **ROBIN HOLLOW RD** 2005

25	OCCUDANT LINKNOWN
25 40	OCCUPANT UNKNOWN, MATHEWS, JEFFREY A
48	KONUCH, DANIEL W
	SWANN, BRIAN
56	,
59	GUERTIN, EARL E
64	ANDERSON, DONALD A
69	LANOIE, ARMAND L
73	LANOIE, PAUL A
74	SANSONE, MICHAEL A
79	OCCUPANT UNKNOWN,
89	WEBB, MARGARET M
97	CARDONA, ALBERTO A
103	GOMES, CARLOS M
127	STEWART, MARCIA G
159	DION, CHARLES A
160	STEWART, BRENT R
165	HULTZMAN, DENNIS E
	PVM CORP
168	OCCUPANT UNKNOWN,
171	MASSIWER, GEORGE A
183	ROMANO, ROBERT M
189	PARENTEAU, JEFFREY P
197	BORGES, EDMUND D
200	MALIKOWSKI, DANIELLE M
207	LALIBERTE, DAVID F
210	READ, FREDERICK J
217	HORTON, MA A
235	READ, DAVID B
249	BORGES, CHERIE A
259	OCCUPANT UNKNOWN,
265	HEPBURN, CRAIG V
275	HAUNSCHILD, STEVEN K
278	HARRALL, KENNETH W
283	LANGLAIS, BERNARD T
286	MCCALL, JOHN A
289	CHELO, GARY J
294	ANDRADE, GREGORY S
302	ERBA, DENNIS D
309	HUTCHISON, JOHN A
310	WILLIAMS, BAILEY S
316	EMERY, RICHARD T
330	CINQUEGRANA, ROBERT F
339	LABONTE, DONALD A
340	LEPAGE, MICHAEL R
5.0	MACKENZIE, SCOTT C
	SJOGREN, NORMA A
346	ROBERTSON, THOMAS M
349	WARDLE, CLINTON C
355	SCARAMUZZI, DAVID K
	KEN LONNGREN
358	NEN LUNNUKEN

# ROBIN HOLLOW RD 2005 (Cont'd)

358	LONNGREN, KEN W
363	COURNOYER, RAYMOND P
369	BARRETT, DAVID R
377	THADEIO, PETER F
380	TEFFI, BRIAN J
391	PERRY, RALPH G
399	GIORDANO, SABATINO A
409	PALMER, LEE F
420	PERROTTI, LOUIS J
427	HART, HARRY K
430	LINDEN, GLEN A
435	TAYLOR, DWIGHT L
441	ACKERT, ROBERT E
448	OCCUPANT UNKNOWN,
449	VEZINA, HOWARD E
454	CROWSHAW, PAUL J
455	FERREIRA, MICHAEL A
461	SMITH, RUSSELL A
462	LOFGREN, DONNA R
463	ANDREWS, KENNETH L
467	DIMARTINO, VINCENT L
475	DIMARTINO, LUIGI
481	EBERT, PETER J

<u>Target Street</u> <u>Cross Street</u>

# Street Source EDR Digital Archive

# VICTORY HWY 2005

1	MCMANUS, DAVID A
4	FORGET, JOSEPH R
9	OCCUPANT UNKNOWN,
14	WEST GREENWICH ANIMAL HOSPITAL
15	THEROUX PROPERTIES INC
	WEST GREENWICH ANIMAL HOSPITAL INC
21	BREENE HOLLOW FARM
	BREENE HOLLOW FARMS
	BREENE, KEVIN A
	BURCAK, CYNTHIA M
	CAPWELL, MARGARET
00	OCCUPANT UNKNOWN,
22	BATON, SHIRLEY
28	OCCUPANT UNKNOWN,
31	KNIGHT, CHARLES D
36	WALLACE, SCOTT A
48	DAGAN, SEAN M
	GARVEY, THOMAS M
	GERVIS, A
	JERVIS, ANDREW
	KEN DU MASONRY
	MIDDLEMISS, DONALD
	OCCUPANT UNKNOWN,
75	OCCUPANT UNKNOWN,
78	MORTON, HAROLD
81	OCCUPANT UNKNOWN,
89	SPRAGUE, LEE A
92	PHELPS, EDWIN A
93	CLARE, RONALD P
99	FALVEY, JAMES M
109	OCCUPANT UNKNOWN,
113	BOLLENGIER, ROBERT E
114	OCCUPANT UNKNOWN,
119	DELGUIDICE, ROBERT W
	GREENWICH MICROSCOPE
124	PHELPS, ANTHONY C
125	RUDIO, ROLAND A
131	STJEAN, RONALD G
134	SMITH, WENDY A
139	BROWN, ERIC S
147	MURPHY, PETER J
155	WESTON, GENE K
161	CARSTEN, ELI M
169	OCCUPANT UNKNOWN,
179	PLOUFFE, SANDRA M
183	AUTHELET, LINDA C
189	RAMEIKA, DAMICEL M
195	NARCISO, VIRGINIO G
211	GAMBA, CARLO A
221	DJR INTERIORS INC

EDR Digital Archive

# **VICTORY HWY**

2005

(Cont'd)

	(00000)
224	LIENCLEY D.M.
221	HENSLEY, P M
222	OCCUPANT UNKNOWN,
233	BROWN, GEORGE K
237	WILSON, LOMENA M
240	OCCUPANT UNKNOWN,
245	HOLLIS, HOWARD A
252	LAVOIE, JOANNE H
253	ANDREWS, ALLEN A
254	LAGERSTROM, BILL
259	ARNOLD, FRED W
267	WHERRY, KARL D
271	MORGAN, EDWARD F
274	LOUTTIT MEMORIAL LIBRARY
275	BLAKE, WILLIAM H
200	WM H BLAKE BUILDER
280	WEST GREENWICH TOWN OF HIGHWAY
204	WEST GREENWICH TOWN OF HIGHWAY
281	SWEET, PETER E
291	BRITT, GARY W
299	PALMISANO, ROBERT J
202	VICTORY CLEANING SERVICES
302	OCCUPANT UNKNOWN,
307 310	LEWIS, TODD M
310	OCCUPANT UNKNOWN, TAYLOR, WILBUR
315	COUTO, BEN
320	DEUS, JOSEPH R
320	OCCUPANT UNKNOWN,
325	SMITH, PAULA J
333	OCCUPANT UNKNOWN,
340	HARRINGTON, ERNEST P
343	RICCI, JOHN A
350	RATHBUN, SHAYNE K
360	BRUNEAU, PAUL N
367	LEVEILLEE, MICHAEL J
370	ANDREWS, LAURA J
377	HARRINGTON, MICHAEL
390	HANKEN, PATRICIA
401	UNIVERSITY OF RHODE ISLAND
404	PILLAY, SHAFFIE P
406	STONERIDGE REALTY
409	MARPLE, ALAN L
416	RATHBUN, LEONARD I
424	DICARLO, LIDIA
425	OCCUPANT UNKNOWN,
426	RUZZO, MARY J
428	KELLEY, KEVIN M
433	COVILL, THOMAS C
441	SANTILLI, ANTONIO L
442	SIEMBAB, ROLAND S

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VICTORY HWY 2005

(Cont'd)

	71010K111111 2000 (0011ta)
4.40	DEDDAG DOMAID E
449	PERRAS, RONALD E
460	RUZZO, DEBRA L
462	ACCURATE BILLING SYSTEM
	DAMBROSCA, ALAN D
464	OCCUPANT UNKNOWN,
481	DUGAN, SEAN
400	UCCI, MICHAEL G
489	OCCUPANT UNKNOWN,
400	THORNTON, TRACY
490	OCCUPANT UNKNOWN,
500 507	OCCUPANT UNKNOWN,
507	BENOIT, SAMUEL R
510	LAGODA, MICHAEL F LETARTE, RACHELLE D
537	KISSINGER, LEE K
557 552	
568	OCCUPANT UNKNOWN, WHITING, JOHN S
569	SMITH, ROBERT M
574	VELARDO, CHARLES V
584	ANGELL, CHARLES
588	LARDNER, TERENCE J
598	OCCUPANT UNKNOWN,
606	LECLERC, YVES S
607	RUGGY, BETTY
612	DICHIARA, PETER
617	LESNESKI, KERRIE L
620	FASANO, FRANK L
637	MORTON, STEVEN H
646	RATHBUN, ROBERT J
650	VIERLING, STEPHEN T
660	NAPOLILLO, RALPH D
672	BLUEBERRY, H
680	AMARAL, EUGENE A
688	UCCI, NICHOLAS S
689	MORTON, HAROLD T
	OCCUPANT UNKNOWN,
696	CASTAGNA, VITTORIO
700	WALSH, JOHN
701	DANTICO, R
	HERNOFF, JEFFREY S
	ROUSSEL, DEAN N
704	OCCUPANT UNKNOWN,
716	BRIGGS, PHILIP M
724	ARNOLD, WILLIAM C
734	FITTON, MICHAEL J
739	OCCUPANT UNKNOWN,
740	MANN, RAYMOND L
745	OCCUPANT UNKNOWN,
746	MORTON, EDWIN R
765	MATRIX VALVE INDUSTRIES LLC

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→ EDR Digital Archive

VICTORY HWY 2005 (Cont'd)

765	PORTER MACHINE INC
	RIDE INC
	RIDE TECHNOLOGIES INC
773	COAST TO COAST FULFILLMENT INC
	MEDICAL
780	DCH1 INC
	THEROUX, KEVIN
	WEST GREENWICH PACKAGE STOR
803	CAMACHO, MICHAEL S
804	LEWIS, JUDI
	MAGANA, THOMAS A
	OCCUPANT UNKNOWN,
815	LUGO, R
822	SLATER, GILBERT J
834	CENTERVILLE SAVINGS BANK
846	MCKENNA, DANIEL E
849	AMERICAN TRUCK & TRAILER REPAI
	R IS ONLY 24 HOUR TRUCK & AUTO PLAZA
850	OCCUPANT UNKNOWN,
859	CLASSIC MOTOR LODGE
865	COCA COLA BOTTLING CO OF SOUTHEASTER

# **ROBIN HOLLOW RD 2000**

49	ERWIN, DEBRA J
56 50	OGARR, PAULINE A
59	GUERTIN, EARL
69	LANOIE, ARMAND L
89	THEROUX, M N
97	BOUSQUET, MICHAEL J
103	DYMEK, AMY C
127 159	STEWART, MARCIA DION, CHARLES
165	HULTZMAN, DENNIS E
168	STEWART, RAYMOND J
171	MASSIWER, GEORGE
197	BORGES, EDMUND
200	BIRKBECK, RANDI
207	KEYES, JIM R
201	LALIBERTE, DAVID F
210	READ, F J
217	HORTON, M A
235	HEALY, SONIA P
200	READ, DAVID B
249	BORGES, DEANNA
265	HEPBURN, CRAIG V
275	HAUNSCHILD, STEVEN K
294	ANDRADE, MARY L
299	LANGLAIS, BERNARD
302	ERBA, DENNIS D
310	WILLIAMS, BAILEY S
330	THEROUX, D
339	TALLMAN, WILLIAM T
340	SJOGREN, NORMA
346	HEAVEN SCENT FLORIST
	ROBERTSON, THOMAS M
349	WARDLE, J C
358	LONNGREN, JANICE B
363	COURNOYER B B
	COURNOYER, BARBARA D
375	THADEIO, PETER
380	TEFFT, B C
391	ALTMAN, C C
400	COPPAGE, ROBERT
420	PERROTTI, LOUIS J
427	BOYER, K
430	LINDEN, GLEN A
441	MILLMATHER, JOANN
448	RICHARDSON, ALAN
449	PREST, CHARLES E
454	CROWSHAW, PAUL
455	MCCARTHY, DAWN
461	SMITH, RUSSELL
462	LOFGREN, DAVID S

# ROBIN HOLLOW RD 2000 (Cont'd)

475 481	BROWN, D A THEROUX, KENNETH EBERT, PETER

Target Street Cro

**Cross Street** 

<u>Source</u>

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# VICTORY HWY 2000

1	MCMANUS, DAVID
14	MARCIEZYK, MARION F
15	PRATT RALPH DVM
	WEST GREENWICH ANIMAL HOSPITAL
21	BREENE, GREGORY
	CAPWELL, M
28	BLOUGH, REBECCA A
	HAZARD, EARL R
	HERRON, LORRI
	SEPE, LUKE
31	KNIGHT, CHARLES
36	WALLACE, SCOTT A
48	GARVEY, THOMAS
81	OCCUPANT UNKNOWN,
89	SPRAGUE, LEE
92	SCALZI, A
99	FALVEY, JAMES
119	DELGUIDICE, BEVERLY A
	GREENWICH MICROSCOPE
124	PHELPS, ANTHONY
131	STJEAN, RONALD G
134	SMITH, W
139	BROWN, ERIC
147	MURPHY, CHRIS
155	WESTON, GENE
161	CARSTEN, E M
169	BETTENCOURT, MARTIN
179	PLOUFFE, S
183	AUTHELET, LINDA C
189	ROBERGE, DON
201	CALDWERALO, ANA
211	GAMBA, CARLO A
221	ROBERTO, DAVID
233	AMARAL, JOSEPH
	BROWN, GEORGE K
240	HARRINGTON, MERRILL
245	HOLLIS, HOWARD B
249	TURNER, KELLY A
252	LAVOIE, J
254	MCKAY, DENNIS M
259	ARNOLD, FRED
260	WEST GREENWICH COMMUNITY BAPTIST CHURCH
267	WHERRY, KARL
270	HIANLOLAND FIRE DEPARTMENT
	TOWN OF WEST GREENWICH FIRE DEPARTMENT
274	TOWN OF WEST GREENWICH PUBLIC LIBRARY
275	BLAKE, WILLIAM H
280	TOWN OF WEST GREENWICH ANIMAL CONTROL
	TOWN OF WEST GREENWICH BOARD OF CANVASSERS
	TOWN OF WEST GREENWICH HIGHWAY GARAGE

VICTORY HWY

2000

(Cont'd)

		,	
_	200	TOWN OF WEST OREENWICH BOLLSE BEDARTMENT	
2	280	TOWN OF WEST GREENWICH POLICE DEPARTMENT	
		TOWN OF WEST GREENWICH TAX ASSESSOR TOWN OF WEST GREENWICH TAX COLLECTOR	
		TOWN OF WEST GREENWICH TAX COLLECTOR  TOWN OF WEST GREENWICH TOWN PLANNER	
		TOWN OF WEST GREENWICH TOWN PLANNER  TOWN OF WEST GREENWICH TOWN TREASURER	
		WEST GREENWICH TOWN TREASURER WEST GREENWICH POLICE DEPARTMENT	
		WEST GREENWICH TOWN OF	
		WEST GREENWICH TWN OF BUILDINGS & ZONING INSPECTO	
9	281	BRIEN, RAYMOND L	
	-01	SWEET, PETER F	
2	291	BRITT, GARY	
	302	LANE, FRANK	
	307	LEWIS, TODD	
	310	TAYLOR, WILBUR	
	320	DEUS, JOSEPH R	
	325	HEBERT, KIM A	
_		SMITH, P J	
3	340	HARRINGTON, ERNEST P	
	360	BRUNEAU, PAUL N	
3	367	LEVEILLEE, MICHAEL	
3	390	COATES, EDGAR C	
3	392	MAYFORTH, STEPHEN H	
4	101	RHODE ISLE THE UNIV OF KINGSTON RI W ALTON JONES	
4	104	GILLEY, DAVID	
4	106	STONERIDGE REALTY	
4	109	CADIEUX-LARIVEE, D	
4	116	RATHBUN, LEONARD	
4	117	SANTILLI, PIETRO	
4	124	RUZZO, JOHN L	
4	125	LACROSS, EDW	
4	126	RUZZO, L F	
	128	KELLEY, KEVIN M	
	133	COVILL, DEBRA A	
	141	SANTILLI, ANTONIO L	
	142	SIEMBAB, ROLAND	
	160	RUZZO, MICHAEL	
4	162	ACCURATE BILLING SYSTEM	
		DAMBROSCA, ALAN R	
	167	SMITH, C L	
4	189	ANDREWS TREE SERVICE	
_	-0-	ANDREWS, ROBERT	
	507	CORMACK, JIM	
	510	MCPHERSON, R	
	537	KEARNS, JOHN	
	552	VELARDO, CHARLES V	
	584	WIMER, ROY	
	598 206	GALLI, JENNY K	
	606 607	LECLERC, YVES EHRLICH, GRACE A	
	612	WORTHINGTON, CHARLES	
Č	16	WORTHINGTON, OHARLEO	

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VICTORY HWY 2000 (Cont'd)

620	LAWRENCE, BROOKE A
637	MORTON, STEVEN H
646	RATHBUN, C
650	VIERLING, PAMELA J
700	PERKINS, ELMER F
701	DANTICO, R P
704	MULLINS, JIMMY
724	ARNOLD, WILLIAM
734	FITTON, MICHAEL
740	MANN, MARCIA R
745	MORTON, EDWIN R
756 705	LAMANTIA, AMY
765	PORTER MACHINE INCORPORATED
770	RIDE INCORPORATED
773	ALLIED VAN LINES
	COAST TO COAST FULFILLMENT INCORPORATED
700	SIRACUSA MOVING & STORAGE ALLIED VAN LINES
780	EXIT 5 COFFEE & DONUTS
	FINES MICHAEL B ATTORNEY
	FINES MICHAEL B REALTOR
	SOWA FINANCIAL GROUP
	TIOGUE VETERINARY CLINIC WEST GREENWICH
	WALDECK VIDEO
	WEST GREENWICH LIQUORS
700	WEST GREENWICH TOWNE PIZZA
793	IDE, RUSSELL
797	ADAMS, WENDELL M
803	TEFFT, RUSSELL
804	COLT, SUSAN
822	SLATER, GILBERT
834	CENTREVILLE BANK
846	MCKENNA, DANIEL
847	HEROUX, SANDI
849	B BRAYTON TRUCKING
	BRANDYS C B SHOP
	R IS ONLY 24 HOUR TRUCK & AUTO PLAZA INCORPORATED
004	RICHMOND DIESEL & TIRE
861	ADAMS EQUIPMENT COMPANY INCORPORATED
	CORMAN ENGINEERING INCORPORATED

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# **ROBIN HOLLOW RD** 1995

59	TEFFT, RUSSELL
69	LANOIE, ARMAND L
103	VERBINNEN, JEROME
165	GALLOWAY, CRYSTAL B & STUART G
171	MASSIWER, GEO & DONNA
197	BORGES, EDMUND
200	STEWART, RAYMOND J, JR
207	KEYES, JIM R
217	HORTON, M A
235	READ, DAVID B
249	ROY, PAUL A
265	GAMBA, PETER
275	THERRIEN, JAS
299	LANGLAIS, BERNARD & BETH
330	MOORE, GARY
339	LABONTE, DONALD
	LABONTE, DONALD A, PSYCHOTHRPST
	TALLMAN, WM T
349	WARDLE, J CLINTON
355	SCARAMUZZI, D K
363	COURNOYER, B B
375	THADEIO, PETER & NANCY
380	TEFFT, B C
391	VANDERPYL, CHESTER A
400	COPPAGE, ROBT
436	ANDREWS, LORI A
448	RICHARDSON, ALAN
454	CROWSHAW, PAUL
455	PARENTEAU, GERARD R
461	SPARAKIS, NICKOS
475	BROWN, D A
	THEROUX, KENNETH
481	FORTE, MICHAEL & CHERYL

Target Street

**Cross Street** 

**Source** 

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#### **VICTORY HWY** 1995

N	MARCIEZYK, CHAS
V	VEST GREENWICH ANIMAL HOSPITAL
В	BREENE, GREGORY & KAREN
В	BREENE, KEVIN A
В	BREENE, KEVIN A-BARN
C	CAPWELL, MARGARET
S	SEPE, VERNA & LUKE
	PETRARCA, NICHOLAS JR & MICHELLE
	VALLACE, SCOTT A
	GARVEY, THOS & CAROLYN
	MORTON, HAROLD T
	AWRENCE, THOS A & CHERYL C
	SPRAGUE, L
	FALVEY, JAS & PATRICIA
	SMITH, SANDRA J
	HARDESTY, J
	GREENWICH MICROSCOPE
	RUDIO, KAREN & ROLAND
	ST JEAN, RONALD G
	SMITH, W
	ABRAHAMSON, MARALEE G
	KELLEY, THOS P
	MURPHY, CHRIS
	ESSEX, CLARENCE E
1 C	CARSTEN, E MARGARET
9 F	PLOUFFE, S
3 A	AUTHELET, STEPHANIE
1 B	BOUCHARD, ROBT E & M
1 0	GAMBA, CARLO A
1 C	CLARK, LINDA A
3 A	AMARAL, JOS, JR
В	BROWN, GEO K
0 F	HARRINGTON, MERRILL
2 L	AVOIE, J
9 A	ARNOLD, FRED
4 L	OUTTIT LIBRARY
V	V GREENWICH TOWN OF-PUBLIC LIBRARYY
5 B	BLAKE, WM H
0 V	V GREENWICH TOWN OF-HIGHWAY GARAGEE
1 S	SWEET, PETER F
1 B	BRITT, GARY
9 N	MULVEY, R
2 L	ANE, FRANK
7 L	EWIS, LISA & TODD
0 T	TAYLOR, WILBUR
0 [	DEUS, JOS R
С	DION, NORMAN
5 S	SULLIVAN, THOS L, JR
0 H	HARRINGTON, ERNEST P
0 A	ARNOLD, CHAS L
	9495149 751931113 0294 501192700 50 NESFSHOFSSAKNEOFAEOOAEHLVEVSENLLTESH

Target Street Cross Street Source

- EDR Digital Archive

VICTORY HWY 1995 (Cont'd)

	•
367	LEVEILLEE, MICHAEL
392	MAYFORTH, STEPHEN H
401	RHODE ISLAND THE UNIVERSITY OF KINGSTON RI-W ALTON JONES CAMPUS
409	CADIEUX, R & D
416	RATHBUN, LEONARD, JR
425	CHANPAGNE, GERALD P
426	RUZZO, L F
428	KELLEY, KEVIN M
442	SIEMBAB, ROLAND & ANN
460	RUZZO, MICHAEL & DEBRA
462	D'AMBROSCA, ALAN R
467	SMITH, JOS
489	ANDREWS, ROBT
507	COOKE, ROBERT & CATHIE
510	MARX, DONALD
537	KEARNS, JOHN
606	RESSEL, DAVID & ANN
637	MORTON, STEVEN H
646	RATHBUN, C
650	VIERLING, P J
700	PAINE, PHILIP S
	PERKINS, ELMER F JR & KAY E
701	MULLINS, JIMMY
	SIMPANEN, KEITH
734	FITTON, MICHAEL
780	EXIT 5 COFFEE & DONUTS
	FINES, MICHAEL B, ATTY
	MAIL BOXES ETC
	VICTORY VIDEO & PHOTO
	WEST GREENWICH LIQUORS
	WEST GREENWICH TOWNE PIZZA
804	COLT, S
822	SLATER, GILBERT
834	CENTREVILLE BANK
846	MCKENNA, S M
849	B BRAYTON TRUCKING
	EXIT 5B FLEA MARKET
	R I'S ONLY 24 HOUR TRUCK & AUTO PLAZA INC-MAIN NUMBER
	RICHMOND DIESEL & TIRE
861	ADAMS EQUIPMENT COMPANY INC
	CORMAN ENGINEERING INC

# **ROBIN HOLLOW RD** 1992

59	TEFFT, RUSSELL

Target Street

**EDR Digital Archive** 

# VICTORY HWY 1992

1	RATHBUN, JENNIFER
21	BREENE, GREGORY & KAREN
	CAPWELL, THURSTON
31	KNIGHT, M
36	CRAMER, JAS
48	TAVARES, CHERYL
75	POTTER, ROBT S
78	MORTON, HAROLD T
81	LAWRENCE, THOS A & CHERYL C
99	FALVEY, JAS & PATRICIA
109	SMITH, SANDRA J
113	TELLIER, ROGER & ANN
119	GREENWICH MICROSCOPE
131	ST JEAN, RONALD G
134	SMITH, W
139	ABRAHAMSON, MARALEE G
	KELLEY, THOS P
155	ESSEX, CLARENCE E
161	CARSTEN, MICHAEL
179	PLOUFFE, S
	REPOZA, BARBARA
183	HOLMES, JOHN A
201	BARRETT, M
20.	BOUCHARD, ROBT E
211	GAMBA, CARLO A
233	AMARAL, JOS, JR
200	BROWN, GEO K
240	HARRINGTON, MERRILL
249	GILHEENEY, JOHN A, JR
252	LAVOIE, KEVIN
274	LOUTTIT LIBRARY
217	W GREENWICH TOWN OF-PUBLIC LIBRARY
275	BLAKE, WM H
280	W GREENWICH TOWN OF-HIGHWAY GARAGE
281	SWEET, PETER F
291	BRITT, GARY
301	TIDSWELL, CHAS JR & B
302	LANE, FRANK
307	LEWIS, LISA & TODD
312	SIEMBAB, ROLAND & ANN
320	DEUS, JOS R
325	SULLIVAN, MATTHEW
323	, , , , , , , , , , , , , , , , , , ,
240	SULLIVAN, THOS L, JR HARRINGTON, ERNEST P
340	·
360	ARNOLD, CHAS L
392	MAYFORTH, STEPHEN H
416	RATHBUN, LEONARD, JR
425	CHAMPAGNE, GERALD & MARKLYN
426 467	RUZZO, L F DILLENBACH, JAS
40/	DILLENDAGE, JAS

Target Street Cross Street Source

→ EDR Digital Archive

VICTORY HWY 1992 (Cont'd)

;	510	PETIT, DAVID W
	537	KEARNS, JOHN
;	584	BREARD, ROBT
		BROWN, J C
		BROWN, RAYMOND H
		BRUEN, DANL F
		CHALLONER, RALPH M
		CONWAY, DONNA
		LA CROSS, T
		MALO, BONNIE
		MAXWELL, JEFFREY G
		PERRIN, HENRY E
		SLINN, GEO
;	594	PHILLIP, LLOYD
	606	RESSEL, DAVID & ANN
	612	CHARBONNEAU, E
	634	AKER, EARL & NANCY
	637	MORTON, STEVEN H
	650	VIERLING, P J
	700	CAMERLIN, D R
		PAINE, PHILIP S
		PERKINS, ELMER F JR & KAY E
	734	FITTON, MICHAEL
	753	SHELDON, ROBT S
	780	CENTREVILLE BANK
		MAIL BOXES ETC
		VICTORY VIDEO & PHOTO
		WEST GREENWICH LIQUORS
	000	WEST GREENWICH TOWNE PIZZA
	822	SLATER, GILBERT
	849	B BRAYTON TRUCKING
		FOUR STAR TRUCK & TRAVEL INC. OFFICE
		FOUR STAR TRUCK & TRAVEL INC-OFFICE
	000	RICHMOND DIESEL & TIRE
	966 001	JOHNSON, STEVE
	991 005	FERRAGAMO, JOS
	995 996	HADFIELD, JOS JOHNSON, P
	996 1016	PHILLIPS, JOHN & JOANNE
	1010	THELH O, SOTHING SOCIATIVE

# **ROBIN HOLLOW RD** 1985

	BIN HOLLOW RD Greenwich	02816
4402(	035640	
1	Harold J Brown	397 - 7107
NO #	Armand Allen81	
NO #	Edward P Allen	
NO #	Donald A Anderson 81	397 - 9302
NO #	Kenneth Andrews Sr 81	397 - 5424
NO #	Gary D Barnett 83	397 - 5569
NO #	Lawrence E Capwell 81	397 - 3533
NO #	Robert Coppage81	397 - 4792
NO #		397 - 4068
5.2739.030	John J Deary Jr 81	
NO #	Steven Gabrault 83 Alfred G Hanney 81	397 - 9528
NO #	Harry K Hart Jr 81	
	Kenneth Hart	
NO #	Armand L Lanoie 82	397 - 7591
NO #	Michael R Lepage 81	397 - 7478
NO #	Malcolm A Makin 83	397 - 3906
NO #	John A L McCall 82	397 - 9915
NO #	Louis J Perrotti 82	397 - 4477
NO #	D Petrucci	
NO #	Thomas R Petrucci 83	
NO #	Charles E Prest Jr	
NO #	Frederick J Read 81	397 - 7652
NO #	Alan Richardson 81	397 - 9831
NO #	T Simpson #	
	Terrance Slattery 81	
57.67	R J Stewart Jr 82	397 - 5656
NO #	Michael C Sundelin 83	
NO #	Joseph H Theroux 81	
NO #	Bailey S Williams 81	하면 살아가 없는 그렇게 했다면 하다면서
NO #	Robert R Workman 81	10000000000000000000000000000000000000
110 #	30 RESIDENCE	
• RO	BBINS DR	02816
•	035650	020 5705
1 1	Diewicz M Furman	828 - 5705

Cole Criss-Cross Directory

#### **VICTORY HWY** 1985

S/PSP 1	985 PR	OVIDENCE VIREO LN
10 E Stational Is 83	828 - 4986	NO # Jerome Obneck 92 -
11 J T Hendershot 76 14 Charles Johnson 80 15 Earl W Appleton 64 16 Francis A Conley 73 17 18 Keep Harris	828 - 7690 828 - 1779	NO # Elmer F Perkins Jr 82 202 944
16 Francis A Conley73	828 - 0291	NO # Donald K Phelps 83 397 751
18 Kevin Harris	828 - 6121 821 - 7750 821 - 2687	NO # Edwin A Phelps
		NO # Clifford L Place 83 397 - 932 NO # Robert S Potter
VERONICA CT     036510		NO # O R Provencher
036510 3 D L Gillespie Jr	821 - 5327 828 - 0908 821 - 1322	NO # Lester W Rathbun 81 397 787
NO # John Assalone 83 NO # W H Bundy 83	822 - 0579 828 - 8283	NO #★RI Univ of Kingstn 397 - 330 NO # R J Ribeiro 83 397 - 587 NO # Richard Robinson 83 397 - 951 NO # Paul A Roy 83 397 - 951
3 HESIDENCE		NO # Paul A Roy 83 397 - 951 NO # J Sand 83 397 - 457 NO # Wm G Seabridge 297 432
VICTORY HWY     West Greenwich     036520	02816	NO # Lorraine L Shappy 83 397 367
1 11 1.1 70	397 - 7539 397 - 3470	NO # George Slinn
42 Willis L Dorothy 73 W L Dorothy Jr 83	397 - 3470 397 - 3909 397 - 2366	NO # + Summit Gas& Applace 307 - 468
102 L Alexander	397 - 4475 397 - 5834	NO # P E Swanson 83 397 - 794 NO # P Sweet 81 397 - 794 NO # Maurice A Szarko 82 397 - 237
105 113 NP 303 D Loforen 81	397 - 5484	NO # Maurice A Szarko 82 397 - 237 NO # D Tavares 397 - 227 NO # Wilbur Taylor 81 397 - 712
504 Eleanor McCracken	397 - 9067 397 - 9902	NO # Elizabeth W Thomas
4 / 50 NP 102 L Alexander II Michael Calore 81 1 105 113 NP 303 D Lofgren II 504 Eleanor McCracken II 520 Philip S Paine 81 1533 624 NP 6244-Ronald G St Jean 81 900 x Deleast Bakery III 800 x Deleast Bakery III 800 x Deleast Bakery III 81 100 x Deleast B	397 - 3738 232 - 1076	NO # Mark Torres
900 ★ Delesto Bakery	397 - 9032 397 - 2574	NO # David L Towne
Susan Luther OFF Gerry Champagne #	397 - 2574 397 - 3209	NO # John V Viveiros Jr 83 397 - 774 NO # Franklin J Walason 83 397 - 5556
Susan Luther  OFF Gerry Champagne  N0 # Earl Aker Sr  N0 # David L Allen  N0 # Aubrey W Andrews  N0 # Rober J Andrews  N0 # Fred W Arnold Jr  N0 # Fred W Arnold Jr  N0 # Fred W Arnold Jr  N0 # James E Aspinwall  N0 # James E Aspinwall  N0 # James B Augustine  N0 # James B Augustine  N0 # Bay I Barnett  83  N0 # D A Beauchemin  83	397 - 7983 397 - 5716 397 - 3013	NO # B M Wallack 397 - 5680 NO # R Webber 83 397 - 7165
NO # Aubrey W Andrews 81 NO # Robert J Andrews 83 NO # Fred W Arnold Jr 82	397 - 3013 397 - 3616 397 - 3074	NO #★West Greenwich
NO # Fredk W Arnold III 83 NO # James E Aspinwall –	397 - 5907 397 - 3047	NO # Kevin H Wood 81 397 - 7992 NO # Robert L Wroe 83 397 - 4074
NO # June R Augustine 83 NO # Ray I Barnett	397 - 5634 397 - 5131	NO # Kenneth Young 81 397 - 3406 NO # * W Gwch Fire Dept 2 397 - 7191
NO # D A Beauchemin 83 NO # N E Bell	397 - 5577 397 - 3724 397 - 9556	NO # * W Gwch Fire Dept 2
NO # Raymond J C Boggia 83	397 - 9909 397 - 4440	A MEM DO M
NO # Kevin A Breene 81 NO # Gary Britt	397 - 5613 397 - 3795	036530
NO # Clifford T Brown 83  NO # Robert E Brown 81  NO # Robert E Brown Jr 83	397 - 7926 397 - 3554 397 - 5963	1 C H Hiers 83 826 - 1399 4 6 NP 8 Arthur Schloth 83 822 - 1821 10 Richard P Dyson 82 822 - 3334
NO # Eric W Brune 81	397 - 5665 397 - 9429	11
NO # * C B Travel Stop NO # * C B Truck Stop	397 - 4580 397 - 4706	10 Richard P Dyson 82 822-3314 11 P 7 8 828-7907 15 Ronald A Lavoie 76 828-7907 17 NP 8 822-1890 19 James Devona 80 828-3086 20 Robert B George 77 856 6565
NO #★CB Truck Stop	397 - 4796 397 - 9341	19 James Devona 80 828 - 3086 20 Robert R George
NO # Robert C Caldwell81	397 - 5752 397 - 5560 397 - 3095	20 Robert R George 77 826 - 0560 22 Bradford C Low 78 822 - 1568 24 NP 25 Howard Faunce 78 821 - 4786 26 Frank C Fuoroli 78 828 - 6488 272 122 122 122 123 124 125 125 125 125 125 125 125 125 125 125
NO # Thurston Capwell 83	397 - 3095 397 - 7788 397 - 5754	26 Frank C Fuoroli
NO # # Coca-Cola Botting	397 - 3391 397 - 2455	
NO # Thomas C Covill 83 NO # James F Cramer 81	397 - 2584 397 - 5967	VIEW RD 02816     From Harrington
	397 - 2596 397 - 7419 397 - 3147	Road 036540 10 Gregg St Onge81 828-0906
	397 - 5549 397 - 7379	1 RESIDENCE
NO # Lenest B Drake	397 - 3006 397 - 5755 397 - 5698	● VINE ST 02816 036550 1 Alex Carlow Sr 83 397 - 5586
NO # Neree J Flamand 83 NO # F O Galli 82	397 - 4755 397 - 3063	Edward F Sears 74 397 - 9544
NO # H Galloway 82 NO # C Gamba 82	397 - 4698	NO # Donald Downs # 397-9582
NO # David A Gray	397 - 5848 397 - 9066	6 RESIDENCE
NO # C Gamba 82  NO # J A Gilheeney Jr 83  NO # David A Gray #  NO # ★ Greenwich Microscp #  NO # E P Harrington 81  NO # H E Harrington 81  NO # Werrill Harrington 81  NO # Werrill Harrington #	397 - 5479 397 - 7012	● VIOLA ST 02816
NO # Merrill Harrington	397 - 7511 397 - 2511	3 Guido Gallo
NO # Edward A Jacques 82 NO # Edward E Johnston	397 - 2390 397 - 4005	7 William Angell
NO # Diana Jones 83 NO # M M Jones 83	397 - 5963 397 - 7953	9 Charles P Olson 80 828 - 2214 15 Gerald D Bertrand 80 826 - 1397
NO # Raymond Keszyinik	397 - 5492 397 - 3428	17 William Bucacci 80 826 - 1367 19 Clyde Williamson 79 828 - 1735 22 Daniel B Malloy 11 826 - 2399
NO # Clifford B Kite 83 NO # M Knight 83	97 - 5635 197 - 4470	24 NP 25 Wayne McLellan 81 826 - 0173
NO # Charles Koszela 83 NO # John Koszela Jr 81	197 - 3325 197 - 3646	O36550 30550 310 02815  O3650 310 0 73 828 -5442  3 Guido Gallo 73 828 -5452  5 Michael E Cynes 77 828 -4655  7 William E Cynes 77 828 -4655  18 Cycles P Olson 80 828 -2134  19 Cycles P Olson 80 828 -1357  19 Cycle Williamson 79 828 -1135  20 Daniel B Malloy 18 285 -2393  24 Wayne McLellan 81 825 -0173  27 Thomas B Morgan 80 828 -2514  12 RESIDENCE 1 BUSINESS  VIREO LN 036570  O36570  O06 Frank A Bosworth - 822 -0488  E B Cahoon 1 822 -0194  J Cavallaro 83 828 -60173
NO # Koszela Speed Eqp	197 - 3646 197 - 3526	• VIREO LN 02816
NO # *L Tefft Logging	97 - 4271 97 - 7036	O36570   O
NO # Edgar A Lanoue 83 3 NO # Terrence J Lardner III 3	97 - 3548 97 - 9585	Frank Destefano
NO # John J Lees 83 3 NO # Edward Lesneski 81 3	97 - 5885 97 - 3654	Alice G Lemire
NO # John S Lindroos 83 3 NO # C Conklin Long 83 3 NO # Jon Luctor	97 - 3883 97 - 5144 97 - 9522	Louis Maynard
NO # Gary Malikowski	97 - 4852 97 - 2590	110 H Chamberland 821 - 8160 Solange L Coutu 828 - 2276
NO # Robert Marinelli 81 3 NO # Alfonso J Martino 83 3	97 - 4837 97 - 7245	P T Hebert 82 821 - 2552 Robert B Kimber Sr - 821 - 8510
NO # Charles A Maxwell 83 3 NO # Maxwell 83 3	97 - 361/ 97 - 7386 97 - 5579	Thomas W Parkinson 83 828 - 7409  John Petrarca II 828 - 8469
VO # David Merlino # 3 VO # Daniel Moore 83 3	97 - 2490 97 - 7647	M Ranucci 828 - 8890 A C Smith B 822 - 2791 19 RESIDENCE
VO # Edwin E Morton 83 33 VO # Edwin R Morton 83 33 VO # Feborah Mumford 73	97 - 7469 97 - 3266	19 RESIDENCE
NO # E PHARINGTON 81 NO # H HARINGTON 81 NO # H HARINGTON 81 NO # HOWARD HARINGTON 81 NO # HOWARD HORIS 81 NO # Edward E Johnston # 83 NO # D John Jones 83 NO # H HARINGTON 83 NO # BARINGTON 84 NO # BARINGTON 84 NO # BARINGTON 84 NO # Alfred E King 83 NO # M Knight 83 NO # M Knight 83 NO # D John Kozzela 50 NO # Alfred B Kite 83 NO # D John Kozzela 50 NO # Alfred T Logging 81 NO # Alfred R Lane Realty 83 NO # D HARINGTON 83 NO # D HARINGTON 83 NO # D HARINGTON 83 NO # JOHN LANE 83 NO # JOHN LANE 83 NO # JOHN LANE 83 NO # Frank Lane Realty 83 NO # JOHN J LESS 83 NO # JOHN LESS 83 NO # JOHN LANE 83 NO # JOSEPH MAINCH 83 NO # JOSEPH L MAINCH 83 NO # D David Merlino # 83 N	7 - 5794	RANGE AC ALITHODIZED BY THE DIBLICHER

## 21-302 SWAP West Greenwich

710 Victory Higyway West Greenwich, RI 02817

Inquiry Number: 6286085.27

December 02, 2020

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

12/02/20

Site Name: Client Name:

21-302 SWAP West Greenwich 710 Victory Higyway West Greenwich, RI 02817 EDR Inquiry # 6286085.27 GZA GeoEnvironmental, Inc. 188 Valley Street Suite 300 Providence, RI 02909 Contact: Sarah Desimone



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

#### Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2001	1"=500'	Acquisition Date: January 01, 2001	USGS/DOQQ
1995	1"=500'	Acquisition Date: March 29, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: March 30, 1986	USDA
1981	1"=500'	Flight Date: April 13, 1981	RIGIS
1975	1"=500'	Flight Date: April 30, 1975	USGS
1970	1"=500'	Flight Date: March 10, 1970	USGS
1962	1"=500'	Flight Date: April 27, 1962	RIGIS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1951	1"=500'	Flight Date: October 20, 1951	RIGIS
1941	1"=500'	Flight Date: October 09, 1941	USGS
1939	1"=500'	Flight Date: May 10, 1939	RIGIS

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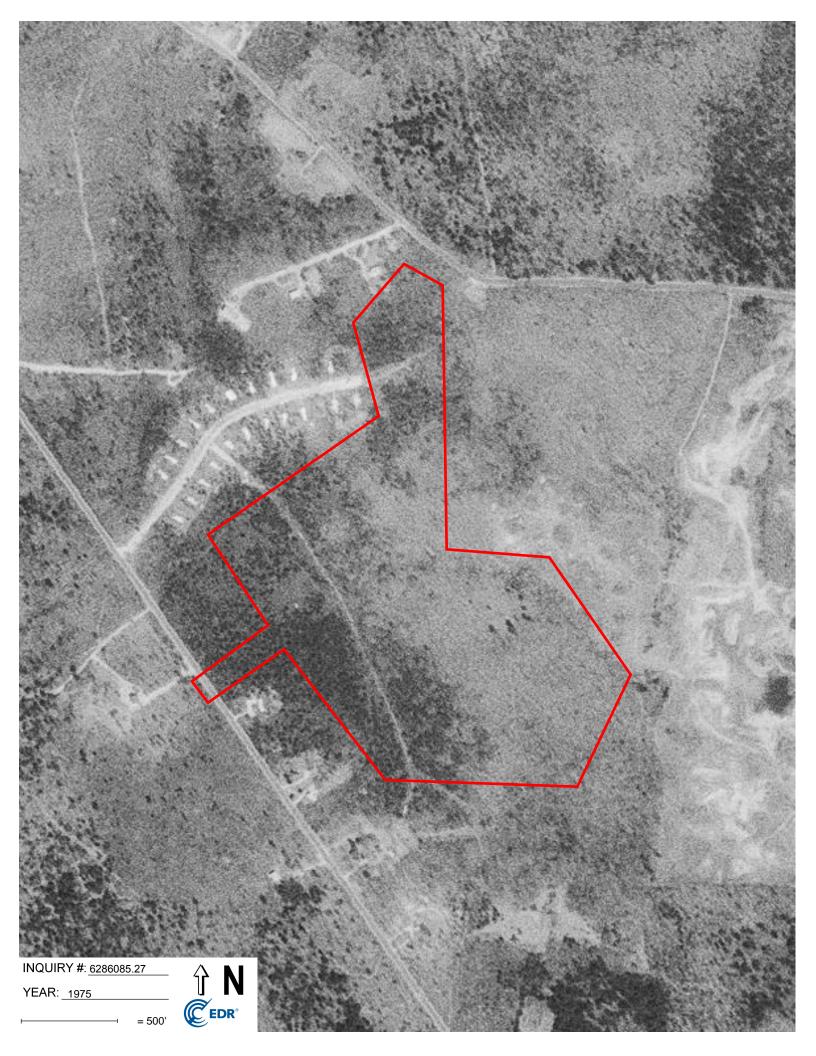












21-302 SWAP West Greenwich710 Victory HigywayWest Greenwich, RI 02817

Inquiry Number: 6286085.21

December 02, 2020

# **Certified Sanborn® Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

## Certified Sanborn® Map Report

12/02/20

Site Name: Client Name:

21-302 SWAP West Greenwich 710 Victory Higyway West Greenwich, RI 02817 EDR Inquiry # 6286085.21

GZA GeoEnvironmental, Inc. 188 Valley Street Suite 300 Providence, RI 02909

Contact: Sarah Desimone

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GZA GeoEnvironmental. Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # B1C1-46F9-B8B1

PO#

21-302 710 Victory Hwy **Project** 

#### **UNMAPPED PROPERTY**

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: B1C1-46F9-B8B1

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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21-302 SWAP West Greenwich710 Victory HigywayWest Greenwich, RI 02817

Inquiry Number: 6286085.22

December 02, 2020

# **EDR Historical Topo Map Report**

with QuadMatch™



## **EDR Historical Topo Map Report**

12/02/20

Site Name: Client Name:

21-302 SWAP West Greenwich 710 Victory Higyway West Greenwich, RI 02817 EDR Inquiry # 6286085.22 GZA GeoEnvironmental, Inc. 188 Valley Street Suite 300 Providence, RI 02909 Contact: Sarah Desimone



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by GZA GeoEnvironmental, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:	Coordinates:

P.O.# NA **Latitude:** 41.617283 41° 37' 2" North

**Project:** 21-302 710 Victory Hwy **Longitude:** -71.666072 -71° 39' 58" West

 UTM Zone:
 Zone 19 North

 UTM X Meters:
 277874.59

 UTM Y Meters:
 4610718.63

**Elevation:** 536.92' above sea level

#### Maps Provided:

2012 1890

2001

1975

1970

1953, 1955

1950

1943

1894

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### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 2012 Source Sheets



Coventry Center 2012 7.5-minute, 24000



Hope Valley 2012 7.5-minute, 24000

#### 2001 Source Sheets



Hope Valley 2001 7.5-minute, 24000 Aerial Photo Revised 2001

#### 1975 Source Sheets



Hope Valley 1975 7.5-minute, 24000 Aerial Photo Revised 1970



Coventry Center 1975 7.5-minute, 24000 Aerial Photo Revised 1970

#### 1970 Source Sheets



Hope Valley 1970 7.5-minute, 24000 Aerial Photo Revised 1970



Coventry Center 1970 7.5-minute, 24000 Aerial Photo Revised 1970

### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1953, 1955 Source Sheets



Hope Valley 1953 7.5-minute, 24000



Coventry Center 1955 7.5-minute, 24000

#### 1950 Source Sheets



Coventry 1950 7.5-minute, 25000

#### 1943 Source Sheets



Coventry 1943 7.5-minute, 31680



Hope Valley 1943 7.5-minute, 31680

#### 1894 Source Sheets



Kent 1894 15-minute, 62500

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

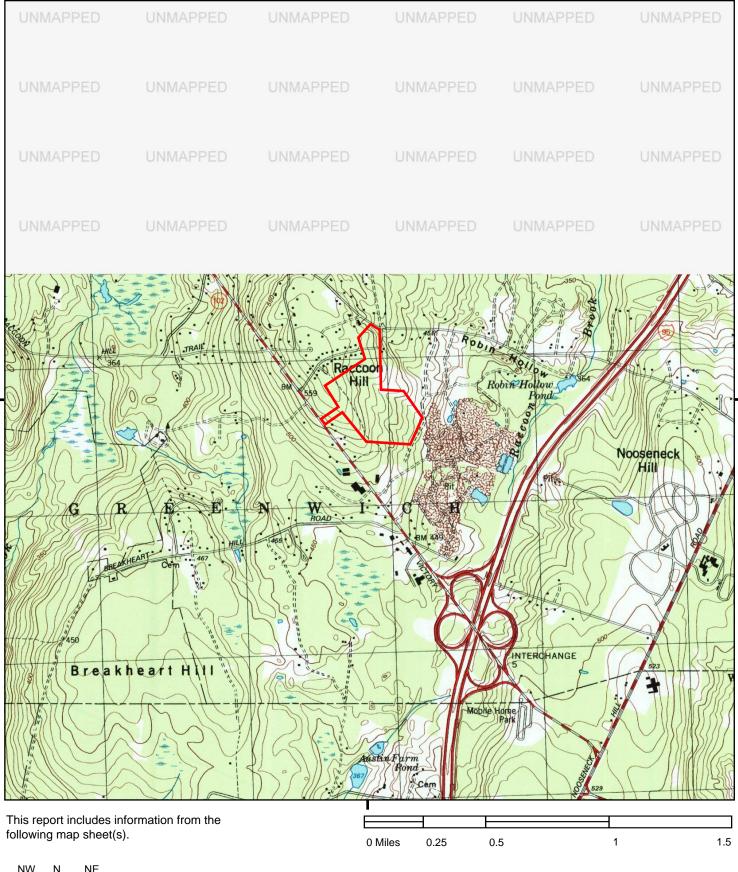
## 1890 Source Sheets



Kent 1890 15-minute, 62500



# **Historical Topo Map**



TP, Hope Valley, 2001, 7.5-minute

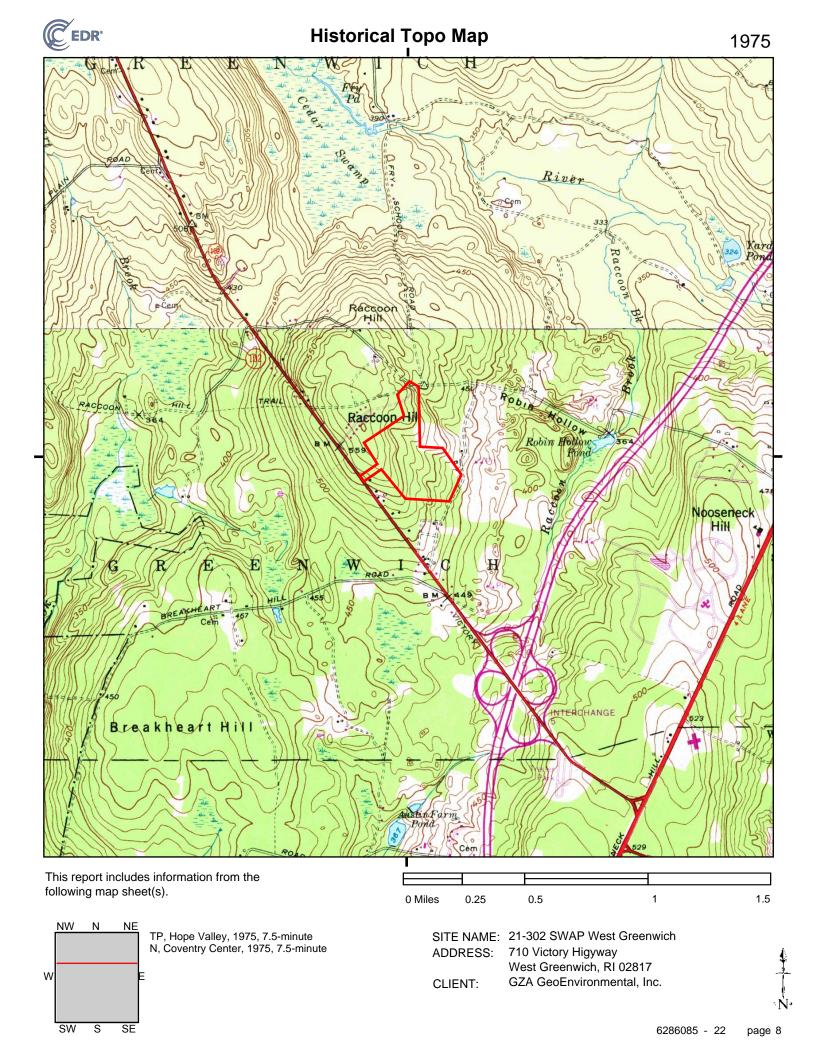
SITE NAME: 21-302 SWAP West Greenwich

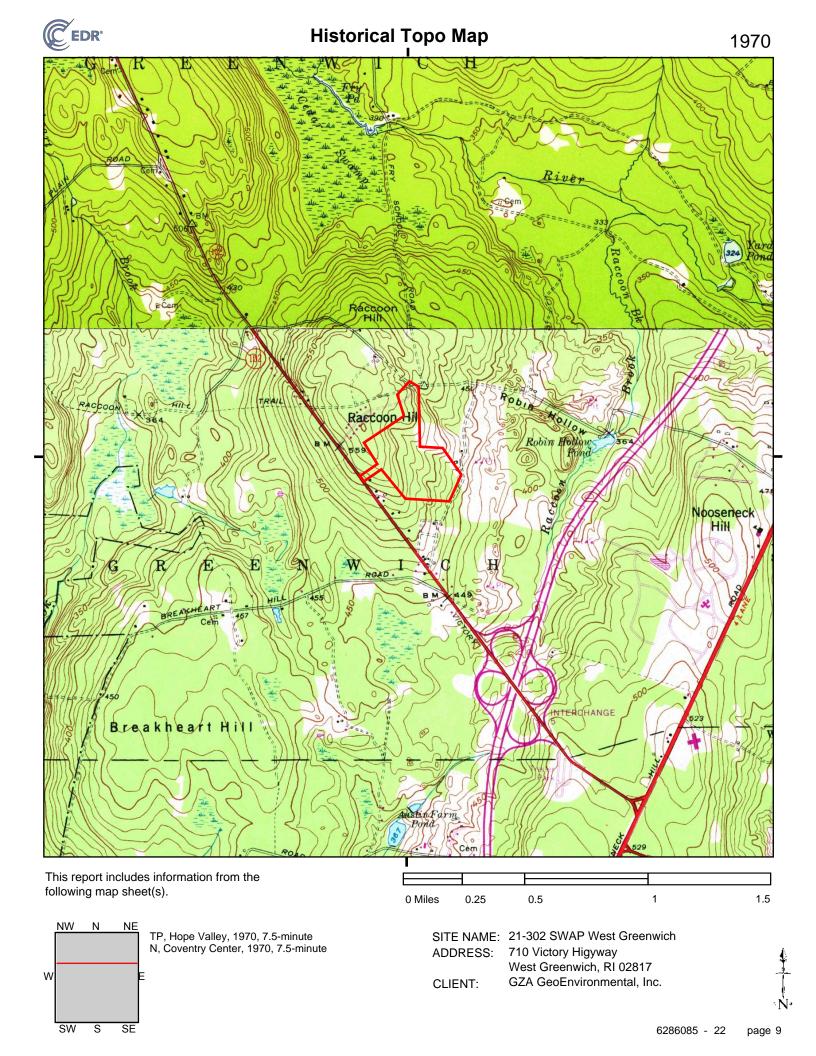
ADDRESS: 710 Victory Higyway

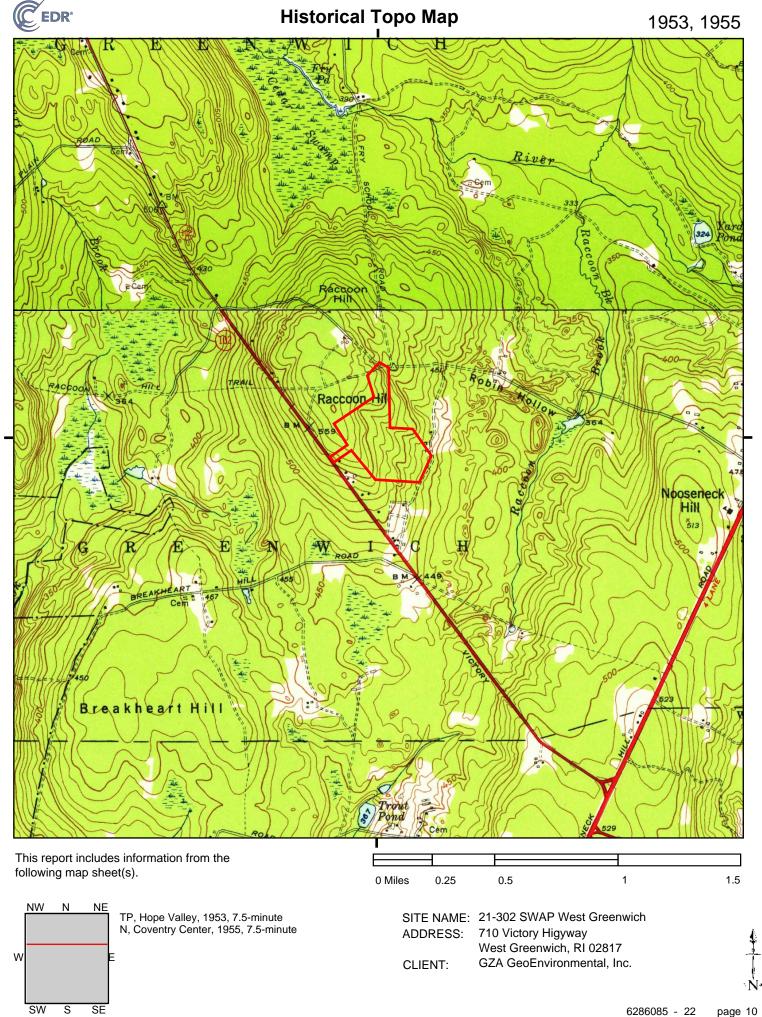
West Greenwich, RI 02817

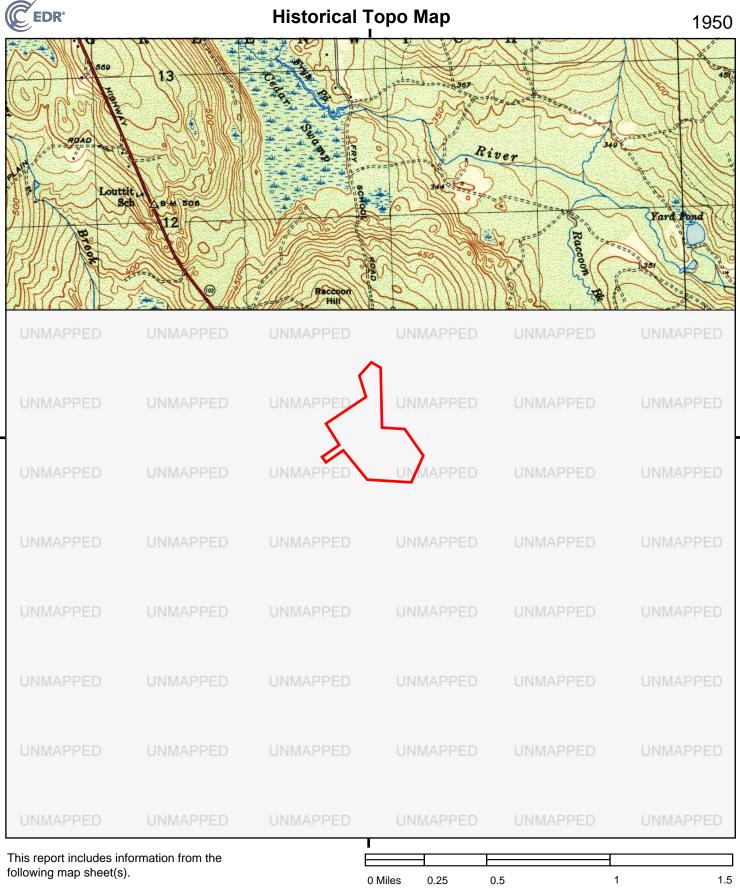
CLIENT: GZA GeoEnvironmental, Inc.

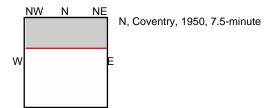










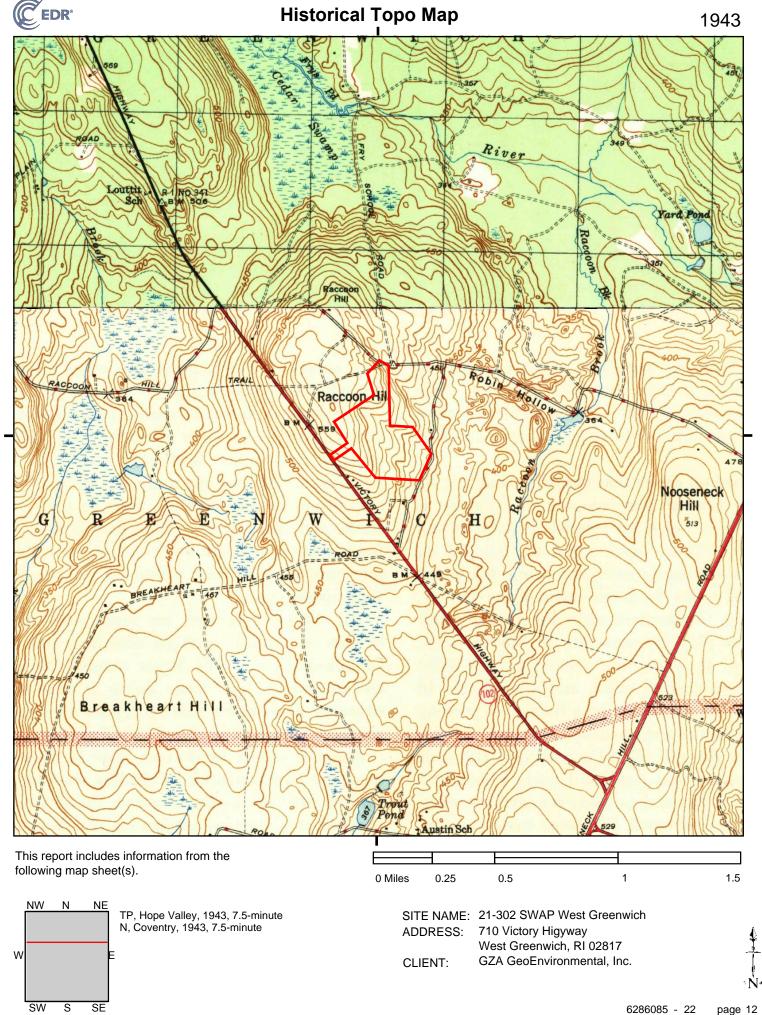


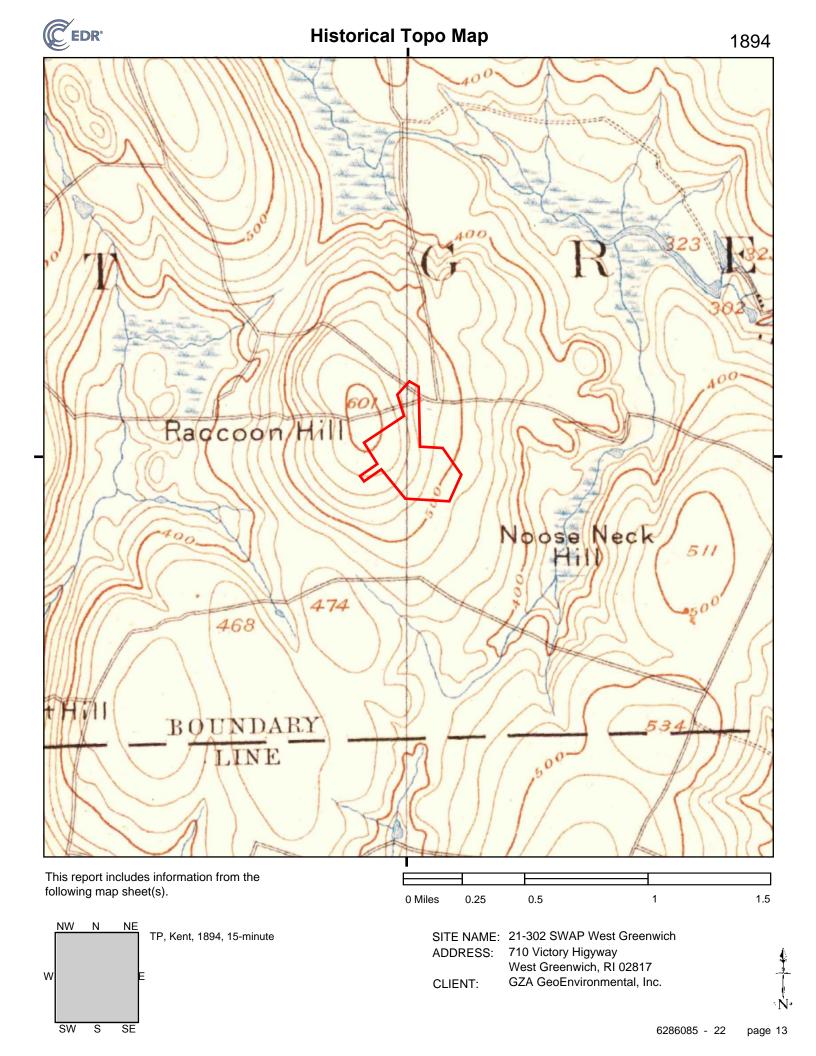
SITE NAME: 21-302 SWAP West Greenwich

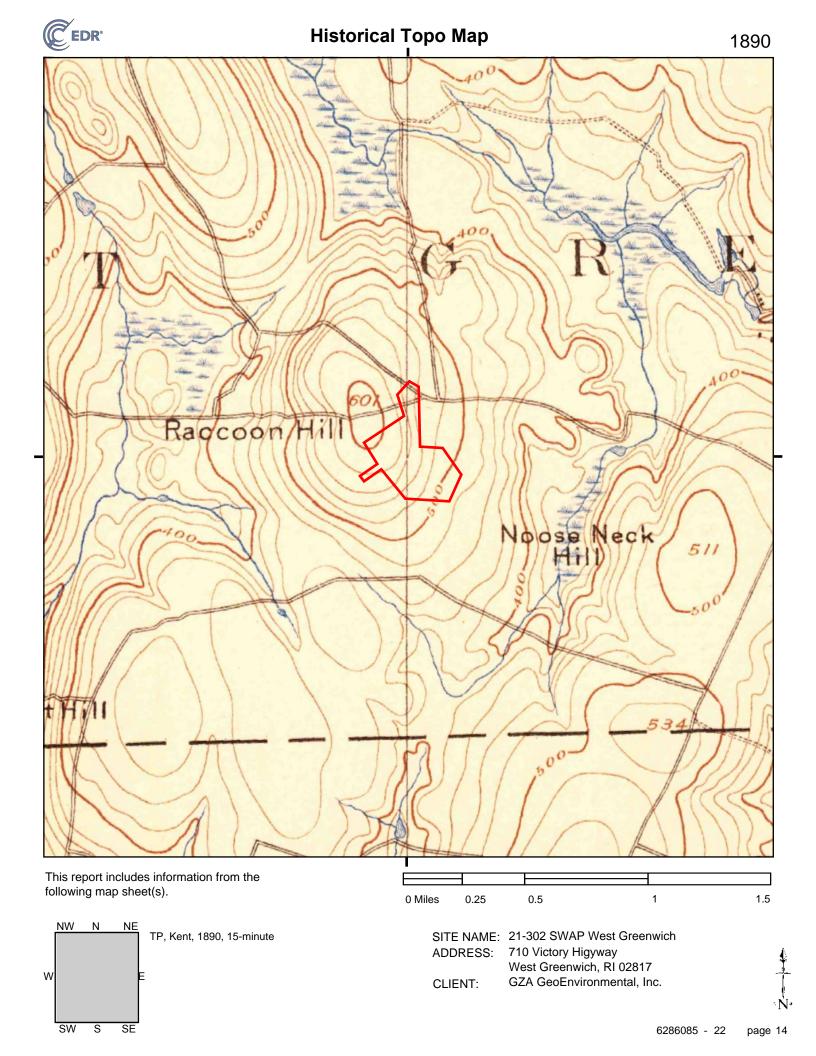
ADDRESS: 710 Victory Higyway

West Greenwich, RI 02817

GZA GeoEnvironmental, Inc. CLIENT:









**APPENDIX D - THIRD-PARTY DATABASE REPORT** 

# 21-302 SWAP West Greenwich

710 Victory Higyway West Greenwich, RI 02817

Inquiry Number: 6286085.20s

December 02, 2020

# **EDR Summary Radius Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

### **TABLE OF CONTENTS**

SECTION	PAGE
Executive Summary.	ES1
Overview Map	<b>2</b>
Detail Map.	<b>3</b>
Map Findings Summary	4
Map Findings.	
Orphan Summary.	
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	·
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map.	A-5
Physical Setting Source Map.	A-11
Physical Setting Source Map Findings.	A-13
Physical Setting Source Records Searched	PSGR-

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

### **ADDRESS**

710 VICTORY HIGYWAY WEST GREENWICH, RI 02817

### **COORDINATES**

Latitude (North): 41.6172830 - 41° 37' 2.21" Longitude (West): 71.6660720 - 71° 39' 57.85"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 277868.5 UTM Y (Meters): 4610506.0

Elevation: 536 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TF

Source: U.S. Geological Survey

Target Property: N

Source: U.S. Geological Survey

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140718 Source: USDA

### MAPPED SITES SUMMARY

Target Property Address: 710 VICTORY HIGYWAY WEST GREENWICH, RI 02817

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	DUPUIS OIL	746 VICTORY HIGHWAY	AST	Lower	503, 0.095, SSW
2	PORTER MACHINE INC	765 VICTORY HWY UNIT	RCRA-SQG, MANIFEST	Lower	609, 0.115, SSW
A3	WEST GREENWICH PIT	789 VICTORY HWY.	ABANDONED MINES	Lower	976, 0.185, South
A4	WEST GREENWICH PIT	789 VICTORY HWY.	US MINES	Lower	976, 0.185, South
5	NORTHEAST TRUCK REPA	849 VICTORY HWY	RCRA-SQG, LUST, UST, FINDS, ECHO, MANIFEST	Lower	2081, 0.394, SSE
6	STUDLEY PROPERTY	OFF ROUTE 102	SHWS	Lower	2740, 0.519, SSE
7	ROBIN HOLLOW ROAD	ROBIN HOLLOW ROAD	SHWS, AUL, ICIS, FINDS, ECHO	Lower	4586, 0.869, East

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

### Federal RCRA generators list

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PORTER MACHINE INC	765 VICTORY HWY UNIT	SSW 0 - 1/8 (0.115 mi.)	2	8
EPA ID:: RIR000016576				

### State- and tribal - equivalent CERCLIS

SHWS: A review of the SHWS list, as provided by EDR, and dated 06/01/2020 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STUDLEY PROPERTY Facility Status: Inactive Project Code: STUD-SFA Siterem Site Number: SR-36-1493	OFF ROUTE 102	SSE 1/2 - 1 (0.519 mi.)	6	9
ROBIN HOLLOW ROAD  Facility Status: Inactive Project Code: RHOR-HWM Project Code: RHOR-SFA Siterem Site Number: SR-36-1275	ROBIN HOLLOW ROAD	E 1/2 - 1 (0.869 mi.)	7	9

### State and tribal leaking storage tank lists

LUST: A review of the LUST list, as provided by EDR, and dated 05/12/2020 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
NORTHEAST TRUCK REPA	849 VICTORY HWY	SSE 1/4 - 1/2 (0.394 mi.)	5	8	
Facility Id: UST-142					
Project Number: 3616-LS					

### State and tribal registered storage tank lists

AST: A review of the AST list, as provided by EDR, and dated 06/01/2020 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DUPUIS OIL Facility ID: 360011 Tank Status: O-Other	746 VICTORY HIGHWAY	SSW 0 - 1/8 (0.095 mi.)	1	8

### ADDITIONAL ENVIRONMENTAL RECORDS

### Other Ascertainable Records

US MINES: A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST GREENWICH PIT	789 VICTORY HWY.	S 1/8 - 1/4 (0.185 mi.)	A4	8
Database: MINES VIOLATIONS, D	ate of Government Version: 09/10/20	20		

ABANDONED MINES: A review of the ABANDONED MINES list, as provided by EDR, and dated 06/22/2020 has revealed that there is 1 ABANDONED MINES site within approximately 0.25 miles of the target property.

Lower Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
WEST GREENWICH PIT	789 VICTORY HWY.	S 1/8 - 1/4 (0.185 mi.)	A3	8

MANIFEST: A review of the MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

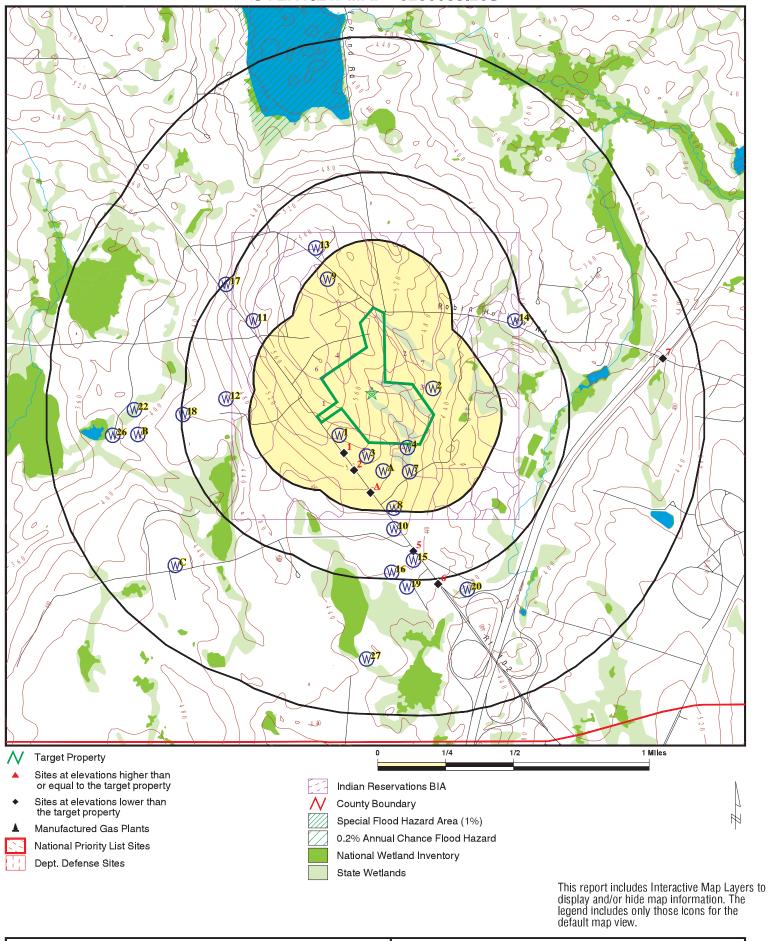
Lower Elevation	Address	Direction / Distance	Map ID	Page	
PORTER MACHINE INC	765 VICTORY HWY UNIT	SSW 0 - 1/8 (0.115 mi.)	2	8	
EPA Id: RIR000016576					

Manifest Document Number: WO6-324-11

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	
WEST GREENWICH	S105077985	W. ALTON JONES CAMPUS (U.R.I.)	VICTORY HWY		LUST	
WEST GREENWICH	S105077983	W. ALTON JONES CAMPUS (U.R.I.)	VICTORY HWY		LUST	
WEST GREENWICH	S106664412	W. ALTON JONES CAMPUS (U.R.I.)	VICTORY HWY		LUST	
WEST GREENWICH	S106664414	W. ALTON JONES CAMPUS (U.R.I.)	VICTORY HWY		LUST	
WEST GREENWICH	S106664413	W. ALTON JONES CAMPUS (U.R.I.)	VICTORY HWY		LUST	

# **OVERVIEW MAP - 6286085.20S**



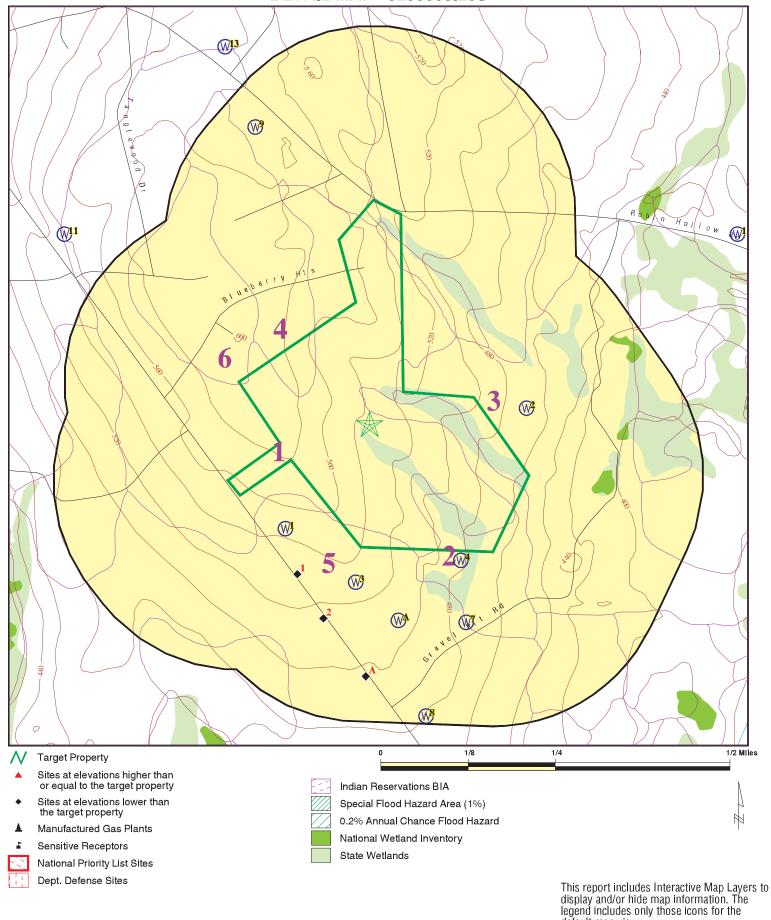
SITE NAME: 21-302 SWAP West Greenwich ADDRESS: 710 Victory Higyway CONTACT: Sa

West Greenwich RI 02817 LAT/LONG: 41.617283 / 71.666072 CLIENT: GZA GeoEnvironmental, Inc. CONTACT: Sarah Desimone

INQUIRY#: 6286085.20s

DATE: December 02, 2020 2:17 pm

# **DETAIL MAP - 6286085.20S**



default map view. GZA GeoEnvironmental, Inc. CLIENT:

SITE NAME: 21-302 SWAP West Greenwich ADDRESS: 710 Victory Higyway

West Greenwich RI 02817 LAT/LONG: 41.617283 / 71.666072

CONTACT: Sarah Desimone INQUIRY #: 6286085.20s

DATE: December 02, 2020 2:18 pm

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR		acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 1 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	3						
SHWS	1.000		0	0	0	2	NR	2
State and tribal landfill a solid waste disposal site								
SWF/LF LCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal leaking	storage tank l	ists						
LUST INDIAN LUST	0.500 0.500		0 0	0 0	1 0	NR NR	NR NR	1 0
State and tribal registere	ed storage tar	ık lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 1 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
State and tribal institution control / engineering con		:						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	cleanup sites	S						
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS							
<u></u>								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste/							
US HIST CDL CDL US CDL	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency R	elease Report	ts						
HMIRS SPILLS SPILLS 90	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Reco	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS	0.250 1.000 1.000 0.500 TP TP 0.250 TP		0 0 0 NR NR NR 0 NR	0 0 0 0 NR NR 0 NR	NR 0 0 0 NR NR NR NR	NR 0 0 NR NR NR NR NR	NR NR NR NR NR NR NR	0 0 0 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SSTS ROD RMP RAATS PRP PADS ICIS FTTS MLTS COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS US AIRS US MINES ABANDONED MINES FINDS UXO DOCKET HWC ECHO FUELS PROGRAM AIRS ASBESTOS DRYCLEANERS Financial Assurance LEAD MANIFEST	TP 1.000 TP		NO NR NR NR NR O R R R R R O O O O O R NR O O R O R	NO NR NR NR NR O R NR NR NR O O O O O NR N 1 1 R O NR O N	NO RRR NR NR O RRR NR O O O O O RR RR NR O RRR RR	N O N R R R R R R R R R R R O O O R R R R		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NPDES MINES MRDS  EDR HIGH RISK HISTORICA	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0
EDR Exclusive Records	AL RECORDS							
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN	1.000 0.125 0.125	/ES	0 0 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 0 0
Exclusive Recovered Go		<u>==</u>						
RGA HWS RGA LF	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals		0	3	2	1	2	0	8

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

DUPUIS OIL AST A100434946
SSW 746 VICTORY HIGHWAY N/A

SSW 746 VICTORY HIGHWAY < 1/8 WEST GREENWICH, RI 0.095 mi.

503 ft.

Click here for full text details

Relative: Lower

**AST** 

Facility ID 360011 Tank Status O-Other

2 PORTER MACHINE INC RCRA-SQG 1001405297 SSW 765 VICTORY HWY UNIT 1 MANIFEST RIR000016576

< 1/8 0.115 mi. 609 ft.

Click here for full text details

WEST GREENWICH, RI 02817

Relative: Lower

**RCRA-SQG** 

EPA Id RIR000016576

**MANIFEST** 

EPA Id RIR000016576

Manifest Document Number WO6-324-11

A3 WEST GREENWICH PIT ABANDONED MINES 1018232352
South 789 VICTORY HWY. N/A

South 789 VICTORY HWY. 1/8-1/4 WEST GREENWICH, RI 02817

0.185 mi. 976 ft.

Click here for full text details

Relative: Lower

A4 WEST GREENWICH PIT US MINES 1024922156
South 789 VICTORY HWY. N/A

1/8-1/4 WEST GREENWICH, RI 02817 0.185 mi.

976 ft.

Click here for full text details

Relative: Lower

5 NORTHEAST TRUCK REPAIR RCRA-SQG 1000882983 SSE 849 VICTORY HWY LUST RID987492840

1/4-1/2 WEST GREENWICH, RI 02817 0.394 mi. 2081 ft.

2081 ft. ECHO

Click here for full text details

Relative:
Lower

ECHO

MANIFEST

RCRA-SQG

EPA ld RID987492840

LUST

UST

**FINDS** 

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **NORTHEAST TRUCK REPAIR (Continued)**

1000882983

SHWS

SHWS

AUL

ICIS

**FINDS** 

**ECHO** 

S109823862

1000984096

N/A

N/A

Project Number 3616-LS Facility Id UST-142

UST

Facility Id UST-142 Tank Status Permanently Closed Tank Status In Use

**FINDS** 

Registry ID: 110004931904

Registry ID 110004931904

**MANIFEST** 

EPA Id RID987492840

Manifest Document Number RIG0171180

STUDLEY PROPERTY SSE **OFF ROUTE 102** 1/2-1 WEST GREENWICH, RI

0.519 mi. 2740 ft.

Click here for full text details

Relative: Lower

SHWS

Facility Status Inactive Project Code STUD-SFA Siterem Site Number SR-36-1493

7 **ROBIN HOLLOW ROAD East ROBIN HOLLOW ROAD** WEST GREENWICH, RI 02817 1/2-1

0.869 mi. 4586 ft.

Click here for full text details

Relative: Lower

SHWS

Facility Status Inactive Project Code RHOR-HWM Project Code RHOR-SFA Siterem Site Number SR-36-1275

**AUL** 

Siterem Site Number SR-36-1275

**ICIS** 

FRS ID: 110009309827

**FINDS** 

Map ID
Direction
Distance
Elevation Site

MAP FINDINGS

EDR ID Number

EDR ID Number

EDR ID Number

ROBIN HOLLOW ROAD (Continued)

1000984096

Registry ID: 110009309827

**ECHO** 

Registry ID 110009309827

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
RI	AIRS	Air Emissions Listing	Department of Environmental Management	12/31/2018	02/05/2020	04/16/2020
RI	ASBESTOS	Asbestos Notification Listing	Department of Health	07/16/2020	07/16/2020	10/02/2020
RI	AST	Aboveground Storage Tanks	Department of Environmental Management	06/01/2020	08/05/2020	10/27/2020
RI	AUL	Waste Management Sites with Environmental Land Use Restricti	Department of Environmental Management	06/01/2020	07/07/2020	09/22/2020
RI	BROWNFIELDS	Brownfields Site List	Department of Environmental Management	06/01/2020	07/07/2020	09/22/2020
RI	CDL	Clandestine Drug Lab Information Listing	Dept of Environmental Management	10/03/2006	12/04/2006	12/18/2006
RI	DRYCLEANERS	Drycleaner Facility Listing	Department of Environmental Management	12/31/2018	05/03/2019	07/10/2019
RI	Financial Assurance	Financial Assurance Information	Department of Environmental Management	05/19/2014	05/20/2014	06/24/2014
RI	LCP	Landfill Closure Program Sites in RI	Department of Environmental Management	06/01/2020	07/07/2020	09/22/2020
RI	LEAD	Lead Inspections Database	Department of Health, Environmental Lead Prog	06/15/2020	06/17/2020	09/01/2020
RI	LEAD CERT	Lead Safe Housing Registry	Department of Health	08/27/2020	08/28/2020	11/19/2020
RI	LUST	LUST Case List	Department of Environmental Management	05/12/2020	07/08/2020	09/22/2020
RI	NPDES	Permit and Facility Data	Department of Environmental Management	08/06/2020	08/12/2020	11/03/2020
RI	PFAS	Sites With Known PFAS Contamination	Department of Health	07/24/2020	07/27/2020	10/13/2020
RI	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Management	0.72.72020	07/01/2013	
RI	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Management		07/01/2013	
RI	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Management		07/01/2013	01/03/2014
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2018	10/02/2019	12/10/2019
RI	SHWS	List of CERCLIS and State Sites in RI	Department of Environmental Management	06/01/2020	07/07/2020	09/22/2020
RI	SPILLS	Oil & Hazardous Material Response Log/Spill Report	Dept. of Environmental Management	11/15/2004		03/24/2005
RI	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	01/04/2001	01/03/2013	02/27/2013
RI	SWF/LF	Solid Waste Management Facilities	Department of Environmental Management	06/01/2020	07/07/2020	09/22/2020
RI	UST	UST Master List	Department of Environmental Management	05/12/2020	07/08/2020	09/22/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/22/2020	06/22/2020	09/10/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2020	07/15/2020	07/21/2020
US	CORRACTS	Corrective Action Report	EPA	06/15/2020	06/22/2020	09/17/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	10/28/2020	11/05/2020	11/25/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/27/2020	07/02/2020	09/28/2020
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR. Inc.	00/21/2020	01/02/2020	09/20/2020
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS		National Response Center, United States Coast	06/30/2013	06/22/2020	09/17/2014
	FEDERAL FACILITY	Emergency Response Notification System	Environmental Protection Agency	06/15/2020	06/22/2020	
US	FEDLAND	Federal Facility Site Information listing		04/03/2019	04/05/2019	05/14/2019
US		Federal and Indian Lands	U.S. Geological Survey			11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	07/21/2020	09/03/2020	11/25/2020
US	FINDS	Facility Index System/Facility Registry System	EPA	09/04/2020	09/15/2020	11/20/2020
US	FTTS	FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/05/2020	08/13/2020	10/21/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/17/2020	08/17/2020	10/21/2020
		Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/22/2020	06/23/2020	09/17/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/15/2020	05/20/2020	08/12/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2020	05/20/2020	08/12/2020
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/03/2020	05/20/2020	08/12/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/13/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2020	05/20/2020	08/12/2020
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
US	LUCIS	Land Use Control Information System	Department of the Navy	08/06/2020	08/21/2020	11/11/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	09/10/2020	09/15/2020	11/20/2020
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	NPL	National Priority List	EPA	10/28/2020	11/05/2020	11/25/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PCS INACTIVE	Listing of Inactive PCS Permits	EPA	11/05/2014	01/06/2015	05/06/2015
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/28/2020	11/05/2020	11/25/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RMP	Risk Management Plans	Environmental Protection Agency	07/24/2020	08/03/2020	10/21/2020
US	ROD	Records Of Decision	EPA	10/28/2020	11/05/2020	11/25/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	10/28/2020	11/05/2020	11/25/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/28/2020	11/05/2020	11/25/2020
US	SSTS	Section 7 Tracking Systems	EPA	07/20/2020	07/21/2020	10/08/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINÓR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/15/2020	06/22/2020	09/10/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/04/2020	08/25/2020	11/18/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020
		'	•			
СТ	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	08/10/2020	10/20/2020	11/02/2020
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	04/29/2020	07/10/2020
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	10/28/2019	10/29/2019	01/09/2020
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
			•			
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
RI	Daycare Centers	Sensitive Receptor: Day Care Provider Listing	Department of Children, Youth & Families			
	•	. ,	•			

St_	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
RI	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line D	Pata	Endeavor Business Media			

### STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

21-302 SWAP WEST GREENWICH 710 VICTORY HIGYWAY WEST GREENWICH, RI 02817

### TARGET PROPERTY COORDINATES

Latitude (North): 41.617283 - 41° 37' 2.22" Longitude (West): 71.666072 - 71° 39' 57.86"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 277868.5 UTM Y (Meters): 4610506.0

Elevation: 536 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 5642171 HOPE VALLEY, RI

Version Date: 2012

North Map: 5644902 COVENTRY CENTER, RI

Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

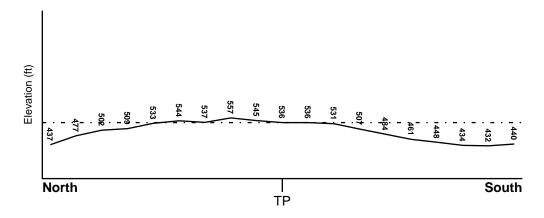
### **TOPOGRAPHIC INFORMATION**

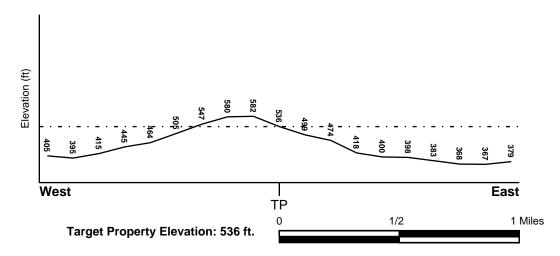
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

### **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

44003C0210G FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

44003C0095G FEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

HOPE VALLEY

YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

### **EPA DESIGNATED SOLE SOURCE AQUIFER**

**PAWCATUCK** 

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

### **GEOLOGIC AGE IDENTIFICATION**

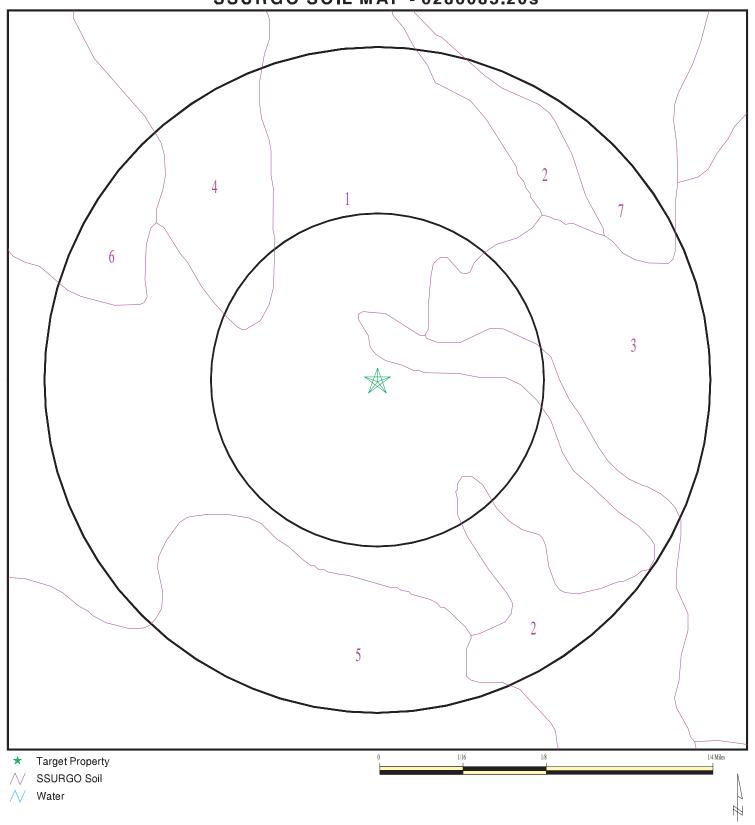
Era: Precambrian Category: Plutonic and Intrusive Rocks

System: Precambrian Series: Z ganitic rocks

Code: Zg (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 6286085.20s**



SITE NAME: 21-302 SWAP West Greenwich ADDRESS: 710 Victory Higyway West Greenwich RI 02817 LAT/LONG: 41.617283 / 71.666072

CLIENT: GZA GeoEnvironmental, Inc. CONTACT: Sarah Desimone

INQUIRY#: 6286085.20s

DATE: December 02, 2020 2:18 pm

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Paxton

Soil Surface Texture: very stony fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information									
	Boundary			Classi	fication	Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)			
1	0 inches	5 inches	very stony fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5			
2	5 inches	22 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5			
3	22 inches	64 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5			

Soil Map ID: 2

Soil Component Name: Leicester

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information								
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	7 inches		Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5	
2	7 inches	25 inches		Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5	
3	25 inches	64 inches		Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5	

Soil Map ID: 3

Soil Component Name: Pits

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Woodbridge

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	7 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5	
2	7 inches	31 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5	
3	31 inches	64 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5	

Soil Map ID: 5

Soil Component Name: Canton

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Воц		ndary		Classificatio		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	3 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
2	3 inches	22 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Layer Information							
Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
3	22 inches	59 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Map ID: 6

Soil Component Name: Paxton

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	5 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	5 inches	22 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	22 inches	64 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Bridgehampton

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
1	0 inches	7 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 4.5	
2	7 inches	40 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 4.5	
3	40 inches	59 inches		Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 4.5	

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40001049021	1/8 - 1/4 Mile SW
2	USGS40001049029	1/8 - 1/4 Mile East
3	USGS40001049012	1/8 - 1/4 Mile South
7	USGS40001049001	1/4 - 1/2 Mile SSE
8	USGS40001048993	1/4 - 1/2 Mile South
9	USGS40001049046	1/4 - 1/2 Mile NNW
10	USGS40001048990	1/2 - 1 Mile South
11	USGS40001049039	1/2 - 1 Mile WNW
12	USGS40001049027	1/2 - 1 Mile West
13	USGS40001049051	1/2 - 1 Mile NNW

## FEDERAL USGS WELL INFORMATION

WELL ID	LOCATION FROM TP
USGS40001049038	1/2 - 1 Mile ENE
USGS40001048986	1/2 - 1 Mile SSE
USGS40001049045	1/2 - 1 Mile NW
USGS40001049025	1/2 - 1 Mile West
USGS40001048981	1/2 - 1 Mile SW
USGS40001049022	1/2 - 1 Mile West
USGS40001048968	1/2 - 1 Mile South
USGS40001048982	1/2 - 1 Mile SW
	USGS40001049038 USGS40001048986 USGS40001049045 USGS40001049025 USGS40001048981 USGS40001049022 USGS40001048968

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

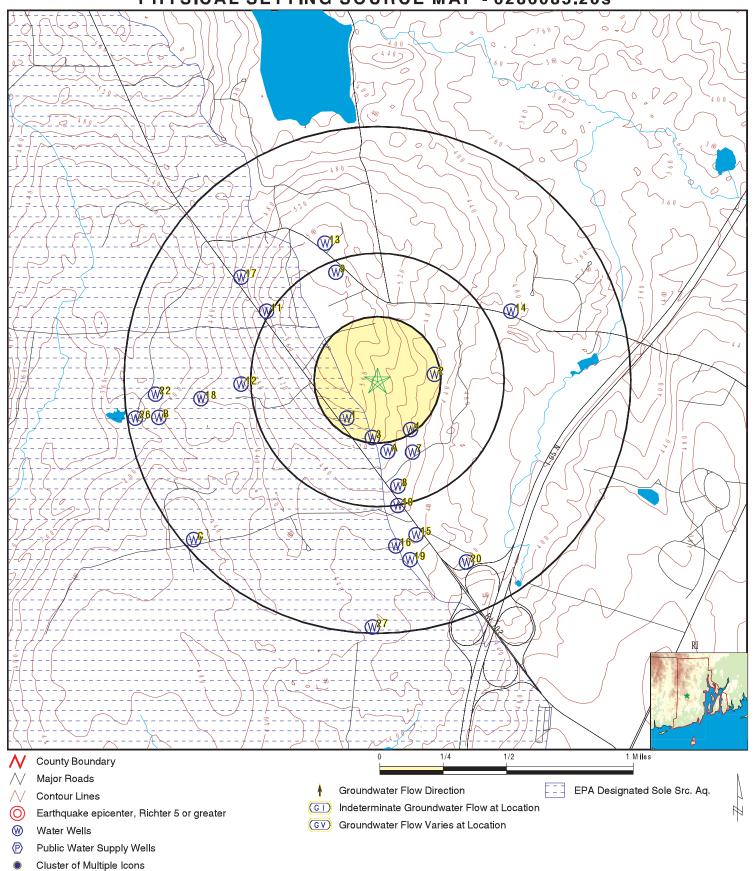
No PWS System Found

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	RI5000000000127	1/8 - 1/4 Mile SSE
A5	RI500000000580	1/4 - 1/2 Mile South
A6	RI500000000450	1/4 - 1/2 Mile South
16	RI500000000451	1/2 - 1 Mile South
19	RI500000000250	1/2 - 1 Mile South
20	RI500000000624	1/2 - 1 Mile SSE
B21	RI500000000455	1/2 - 1 Mile West
22	RI500000000622	1/2 - 1 Mile West
B23	RI500000000456	1/2 - 1 Mile West
B24	RI500000000454	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 6286085.20s



SITE NAME: 21-302 SWAP West Greenwich ADDRESS: 710 Victory Higyway West Greenwich RI 02817

LAT/LONG: 41.617283 / 71.666072 CLIENT: GZA GeoEnviron CONTACT: Sarah Desimone GZA GeoEnvironmental, Inc.

INQUIRY #: 6286085.20s

DATE: December 02, 2020 2:18 pm

Map ID Direction Distance Elevation	Database	EDR ID Number
1 SW <u>Click here for full text details</u> 1/8 - 1/4 Mile Higher	FED USGS	USGS40001049021
2 East Click here for full text details 1/8 - 1/4 Mile Lower	FED USGS	USGS40001049029
3 South Click here for full text details 1/8 - 1/4 Mile Lower	FED USGS	USGS40001049012
4 SSE <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	RI WELLS	RI5000000000127
A5 South Click here for full text details 1/4 - 1/2 Mile Lower	RI WELLS	RI5000000000580
A6 South Click here for full text details 1/4 - 1/2 Mile Lower	RI WELLS	RI5000000000450
7 SSE Click here for full text details 1/4 - 1/2 Mile Lower	FED USGS	USGS40001049001
8 South Click here for full text details 1/4 - 1/2 Mile Lower	FED USGS	USGS40001048993
9 NNW Click here for full text details 1/4 - 1/2 Mile Higher	FED USGS	USGS40001049046

Map ID Direction Distance Elevation		Database	EDR ID Number
10 South 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001048990
11 WNW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40001049039
12 West 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001049027
13 NNW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40001049051
14 ENE 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001049038
15 SSE 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001048986
16 South 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000451
17 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001049045
18 West 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001049025

Map ID Direction Distance Elevation		Database	EDR ID Number
19 South 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000250
20 SSE 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000624
B21 West 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000455
22 West 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000622
B23 West 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000456
B24 West 1/2 - 1 Mile Lower	Click here for full text details	RI WELLS	RI5000000000454
C25 SW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001048981
26 West 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001049022
27 South 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40001048968

Map ID Direction Distance Elevation

Elevation Database EDR ID Number

C28 SW 1/2 - 1 Mile Lower

Click here for full text details

FED USGS USGS40001048982

## AREA RADON INFORMATION

State Database: RI Radon

Radon Test Results

Zipcode	Num Tests	# < 4 pCi/L	4 to 20	# > 20 pCi/L	Maximum
				<del></del>	
02817	234	126	99	7	77.9

## Federal EPA Radon Zone for KENT County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KENT COUNTY, RI

Number of sites tested: 73

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	5.000 pCi/L Not Reported	86% Not Reported	0% Not Reported	14% Not Reported
Basement	4.698 pCi/L	74%	23%	3%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service

Telephone: 703-358-2171

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Community and Non-Community Wells

Source: Department of Environmental Management

Telephone: 401-277-2234

Includes Community, Non-Transient Non-Community and Transient Non-Community wells.

EPA-Approved Sole Source Aquifers in Rhode Island

Source: EPA Telephone:

Sole source aquifers are defined as an aquifer designated as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for the area and for which there are no reasonable alternative sources should the aquifer become contaminated.

#### OTHER STATE DATABASE INFORMATION

#### **RADON**

State Database: RI Radon Source: Department of Health Telephone: 401-222-2438 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

TC6286085.20s Page PSGR-2

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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**APPENDIX E - USER QUESTIONNAIRE** 





21-302 Page | 1

Sit	te Name:710 Victory Highway, West Greenwich, Rhode Island			
Tit	tle and Signature of Person Completing Questionnaire			
17	Date: 11-30-20			
	e following are a series of questions from ASTM 1527-13 that must be answered in order to qualify for Landowner ability Protection under CERCLA. Please provide an answer to each question or attach pertinent information.			
1.	Are you aware of any environmental cleanup liens against the <i>property</i> that are filed or recorded under federal, tribal, tate or local law?			
	No Yes (Describe or attach information) Attachment No			
2.	Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g. engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g. administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?			
	No Yes (Describe or attach information) Attachment No			
3.	Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?			
	No Yes (Describe or attach information) Attachment No			
4.	Does the purchase price being paid for this property reasonably reflect the fair market value of the property?			
	☐ No Yes (Describe or attach information) Attachment No			





No	Yes (Describe or attach information)	Attachment No.
	re of commonly known or reasonable ascertainable info cal professional to identify conditions indicative of releas	
	now the past uses of the property?	
No	Yes (Describe or attach information)	Attachment No.
Com.	PREHENSIVE PERMIT NI	MRATIVE for
Vie	Yes (Describe or attach information)  PRESTRANSIVE PERMIT NO.  TONY WOODS - CROSSON	AN ENGINEERIN'G 1
	now of specific chemicals that are present or once were	
No	Yes (Describe or attach information)	
A 110	res (bescribe of attach information)	Accession in the rest
. Do you ki	now of spills or other chemical releases that have taken	
No	Yes (Describe or attach information)	Attachment No
. Do you ki	now of any environmental cleanups that have taken pla	ce at the property?
1 No	Yes (Describe or attach information)	Attachment No.
	of the ESA, based on your knowledge and experience at point to the presence or likely presence of contamina	
No	Yes (Describe or attach information)	Attachment No.
,,		, , , , , , , , , , , , , , , , , , ,









7.	STM identifies certain documents as "Helpful Documents" for the understanding of environmental conditions at the te. Are you aware of any of the following documents; and if so, can they be made available?			
	☐ No ☐ Yes (Describe or attach informat	ion) Attachment No		
	GEO HYDROLOGICAL INVEST	TEATION REPORT - VICTORY WOODS		
	PAUL ALDINGER & ASSOC	. 7/2005		
	Prior Environmental Assessments	Risk Assessments		
	Compliance Reports	Hazardous Waste Generation Notices		
	Environmental Permits	Notices from Environmental Agencies		
	Tank Registrations	Underground Injection System Registrations		
	Material Safety Data Sheets (MSDS)	Community Right to Know Plans		
	Safety or Spill Protection Plans	Hydrogeologic or Geotechnical Reports		
8.	Do you know who the past owners of the property are ar			
	No Yes (Describe or attach informati	on) Attachment No		
	CVARENT OWNER RIH	OUSING (2002)		
	ANNE BERMAN 401-457.	-1269; ABERMANERIHOUSING, COM,		
9.	Do you have a complete site plan of the property that shows property boundaries and can you make it available?			
	☐ No Yes (Describe or attach information) Attachment No			
	Provided Sunday IN RFP			



**APPENDIX F - QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL** 





#### Education

B.S., Geology, University of Rhode Island, 1985 Geological Field Methods, University of Texas at El Paso, 1984

## Licenses & Registrations

Professional Geologist – Kentucky, #1871 and New York, #861

#### Areas of Specialization

- CERCLA/RCRA/State List Sites
- Site Investigations
- Feasibility Studies
- Site Remediation
- Solid Waste & Landfill Gas

# Edward A. Summerly, P.G. Principal

## **Summary of Experience**

Mr. Summerly is a Principal and Registered Professional Geologist. He serves as manager and technical lead on multi-disciplinary studies and design projects focusing on Solid Waste Management Facilities, landfill gas control and reuse, and contaminated sites requiring assessment of environmental contamination (soil, groundwater, surface water, air), human health and ecological risk management and hazardous waste remediation. His responsibilities include: technical direction, contract management, project planning, budget control, and quality assurance. Mr. Summerly has been involved with site investigations (soil, groundwater, surface water, air), environmental compliance issues, permitting, and testing at more than 30 solid waste management facilities in the northeast. He has managed several Superfund, RCRA Corrective Action and State lead studies involving remedial investigation (waste identification, groundwater, surface water and geologic characterization) groundwater contaminant migration evaluation, human health and ecological risk assessment/risk management, and public relations. Mr. Summerly has supervised and participated in the preparation and implementation of Superfund, RCRA, and State Remedial Investigation/Feasibility Studies, QAPPs, and subsequent site clean-up and Remedial Actions.

Mr. Summerly's more than 30 years of experience includes participation in RIDEM's regulatory Task Force for the redevelopment of Rhode Island's Rules and <u>Regulations</u> for the Investigation and Remediation of Hazardous Material Releases and he is GZA's Technical Practice Leader for Solid Waste Services.

Solid Waste Management Facility Experience Includes:

Central Landfill, Johnston, RIKingston Landfill, Kingston, MA

Fresh Kills Landfill, Staten Island, NY Jamestown Landfill, Jamestown, RI Richmond Landfill, Richmond, RI Manton Avenue Landfill, Providence, RI Rose Hill Landfill, South Kingstown, RI Macera Landfill, Johnston, RI Home Town Properties Landfill, Exeter, RI Global Waste Recycling, Coventry, RI Materials Recycling Facility, Johnston, RI Plainfield Pike Recycling Facility, Johnston, RI Tuckers Industrial Dump, Johnston, RI Coventry Landfill, Coventry, RI Cumberland Landfill, Cumberland, RI Canton Landfill Solar Facility, Canton, MA A Street Landfill Solar Facility, Johnston, RI URI/West Kinston Landfill, Kingston, RI

Rocky Hill Landfill, East Greenwich, RI Plainfield Landfill, Plainfield, MA Oak Bluff Landfill, Martha's Vineyard, MA Edgartown Landfill, Martha's Vineyard, MA Vineyard Haven Landfill, Martha's Vineyard, MA Tisbury Landfill, Martha's Vineyard, MA Gay Head Landfill, Martha's Vineyard, MA SeMass/American Ref-Fuel, West Wareham, MA Rocky Point Landfill, Warwick, RI Barrington Landfills 1 and 2, Barrington, RI MOA Landfill, Atlanta, MI Violia ES Landfill, Zion, IL Charlestown Landfill, Charlestown, RI Ravenbrook Landfill Solar Facility, Carver, MA Forbes St. Landfill Solar Facility, E. Prov., RI Loraine County Landfill, Oberlin, OH



# Edward A. Summerly, P.G.

Principal

### **Relevant Project Experience**

#### **SOLID WASTE FACILITY ASSESSMENT & DESIGN**

Principal, Central Landfill Superfund Site RI/FS and RD/RA, Johnston, Rhode Island. This EPA mandated study involved evaluation of environmental conditions (air, soil, bedrock, groundwater, surface water, and sediment) at New England's largest solid waste management facility, which is also an EPA Superfund Site. Project elements included development and implementation of work plans for subsurface explorations, multi-media environmental sampling and analysis, geophysical studies and groundwater transport evaluation. The project culminated in the closure of the 121-acre Operable Unit 1 Landfill with a modified RCRA Subtitle C Cap, installation of a groundwater pump and treatment system in an identified Hot Spot and a finding of No Action Required for the Operable Unit 2 off-site area.

Principal, Fresh Kills Landfill Closure, Staten Island, New York. Mr. Summerly serves as technical lead for landfill gas collection and control on this multi-year design-build landfill closure project. This project involves closing and capping a 300-acre cell of the former Fresh Kills Landfill working as the design engineer for the construction contractor. Key elements of GZA's services are design of all closure elements including: the RCRA D synthetic membrane cap, stormwater control structures, landfill gas collection and conveyance systems, and roadways. Mr. Summerly's responsibilities also include coordination of operation of the new landfill gas collection and control systems, and integration of the new and existing gas systems with the DSNY's gas system operator who produces pipeline quality natural gas from the recovered methane for resale.

Principal, Coventry Landfill Assessment, Closure Design and Construction Management, Coventry, Rhode Island. Mr. Summerly directed GZA's work on this CIRCLIS and State List landfill site which, to date, has consisted of extensive environmental investigations both on and off-site, landfill cap and closure design, remedial action planning, groundwater and landfill gas migration assessment, and meetings with State regulators. The closure design incorporates the use of 300,000 cubic yards of impacted soil from off-site sources under a Beneficial Use Determination (BUD) regulatory approval, the revenue from which will significantly reduce Site closure costs. The proposed future use of the facility is as a utility-scale solar energy farm. Final landfill closure grading and cap design integrates the needs of the solar farm to put this otherwise fallow land back into productive use.

Principal, Central Landfill Phase VI Landfill Design and Permitting, Johnston, Rhode Island. Mr. Summerly served as contract manager and technical specialist on this 153-acre landfill expansion design and permitting project which provided the Stat of RI with 20 additional years of disposal capacity. Work involved a pre-design geohydrologic investigation of the site, design of a double-composite synthetic baseliner system using HDPE, as well as a geocomposite clay liner and dual composite drainage nets to gain additional air space, leachate collection system design, operational and post-closure landfill gas collection and control system designs for regulatory compliance, gas mining for beneficial reuse, and preparation of landfill license application documents for regulatory approval. The facility is operational and began receiving waste in 2016.

Principal, Rose Hill Landfill Superfund Site. Mr. Summerly directed GZA's work on this project which consisted of evaluating the results of a Remedial Investigation and Feasibility Study that was conducted by the EPA, for the Potentially Responsible Parties (PRP Group). The purpose of our work was to ensure that the regulatory agencies had selected the most cost-effective remedy (capping and landfill gas control) that was protective of human health and the environment. Our recommendations lead to additional field studies (completed by GZA), to better assess groundwater migration, landfill mining options, and landfill gas control. As a result of our work, the EPA and RIDEM changed the selected remedy to a more protective and cost-effective approach. Mr. Summerly was also a part of the team that recently installed a solar power facility atop the closed landfill.

**Principal, Jamestown Landfill Assessment and Closure.** Mr. Summerly directed GZA's work which consisted of the completion of a site investigation work plan, site investigation, underground injection control closure, remedial action work plan preparation,



# Edward A. Summerly, P.G.

Principal

landfill capping and closure design, landfill gas migration assessment, landfill capping and closure engineering oversight, site redevelopment as a Department of Public Works facility and quarterly environmental compliance monitoring of groundwater and soil gas. GZA assisted the Town in obtaining and/or evaluating off-site soils from a variety of sources which resulted in a significant reduction in landfill closure costs. This project has also included public relations work including public meetings, presentations, and participation in a citizen's advisory committee.

**Principal, Barrington Landfills 1 and 2 Assessment and Closure.** Mr. Summerly directed GZA's work which consisted of the completion of a multi-media site investigation, landfill gas migration assessment, survey and boundary determination, landfill capping and closure design and construction oversight. Our closure design incorporated the redevelopment of the Site as a recreational facility including two soccer fields, walking paths and paved parking.

**Principal, A. Macera Landfill Assessment and Closure, Johnston, Rhode Island.** Mr. Summerly directed GZA's work which consisted of the completion of a site investigation work plan, site investigation, landfill gas migration assessment, remedial action work plan preparation, landfill capping and closure design, and site redevelopment as an industrial park. As part of this closure design GZA worked with the Client and RIDEM to reduce the closed landfill footprint by 40%, and reuse excavated waste and soils in the capping project under a BUD approval. The Site reuse plan incorporates on-landfill bus parking for the Town of Johnston and passive recreation, and the recovered land has been developed into an industrial park.

**Principal, Tucker's Industrial Dump Assessment and Closure Design, Johnston, Rhode Island.** Mr. Summerly directed GZA's work which consisted of the completion of a site investigation work plan, site investigation, landfill gas migration assessment and control design, remedial action work plan preparation, landfill capping and closure design, and site reuse as a residential development. A significant component of this work included delineating a chlorinated solvent groundwater contaminant plume and associated vapor plume migrating from the dump below a proposed residential development.

**Principal, Richmond Landfill.** Mr. Summerly directs a team of environmental professionals conducting ongoing quarterly compliance monitoring of groundwater at this closed landfill and CERCLIS site. Work consists of Low Flow groundwater sampling, chemical analysis, statistical data evaluation, perimeter landfill gas monitoring for migration control, and reporting to the RIDEM's Office of Waste Management.

**Associate Principal, Global Waste Recycling, Coventry, Rhode Island.** Mr. Summerly directed GZA's work which consisted of the completion of a Construction and Demolition Debris Recycling facility permit and associated site investigations and environmental monitoring. This project included facility planning, groundwater and surface water assessment and protection, stormwater management and litigation support.

Project Manager, Manton Avenue Landfill Closure and Redevelopment, Providence, Rhode Island. Conducted environmental and geotechnical studies to assess present conditions and feasibility of a commercial development on a 16-acre former municipal solid waste landfill on the Woonasquatucket River. Supervised environmental studies (groundwater, soil, and landfill gas), regulatory negotiations and permitting/approval processes. Participated in development of landfill closure/commercial development plans which incorporated the use of deep dynamic compaction (DDC) for refuse densification; synthetic membranes, low permeability soils and pavement for landfill capping/leachate minimization; and interior/exterior landfill gas mitigation, venting and monitoring systems.

#### LANDFILL SOLAR DEVELOPMENT

Principal, Rose Hill/URI/West Kingston Landfills Solar Development, South Kingston, Rhode Island. Provided civil, geotechnical and environmental engineering and permitting services to the developer for the design and installation of this approximately 10 MW solar PV system installed over composite membrane caps on three previously closed Superfund landfills. Also



## Edward A. Summerly, P.G.

Principal

provided construction oversight and weekly reporting to the owner and regulatory agencies (EPA and RIDEM) to ensure no cap damage occurred as a result of the construction activities.

Principal, Forbes Street Landfill Solar Facility Phase 1, East Providence, Rhode Island. Provided geotechnical and landfill engineering services addressed settlement and design issues for the system, which is installed over a membrane landfill cap prepared Post Closure Use Application, landfill gas/methane and safety monitoring and project management. The solar farm facility is located on 12.5± acres and provides a total of approximately 5.6 megawatts to the Town grid. The landfill consists of approximately 70 acres of a 220-acre property. The solar farm facility will be developed in three phases and will provide a total of approximately 10 megawatts to the Town grid. The first phase of the solar development consists of 3.7 megawatts with approximately 12,850 photo voltaic module solar arrays. GZA evaluated suggested earthwork requirements for the proposed solar array development and foundation loads.

Principal, A Street Landfill Solar Facility Development, Johnston, Rhode Island. Provided environmental, landfill closure and geotechnical design and support services to a private developer who will be closing the roughly 12-acre landfill in conjunction with the solar photo voltaic development. The system will ultimately supply approximately 2 megawatts to the Town grid.

Technical Consultant, Canton Landfill Solar Facility, Canton, Massachusetts. Provided geotechnical and landfill engineering services addressed settlement and design issues for the system, which is installed over a membrane landfill cap prepared Post Closure Use Application, landfill gas/methane and safety monitoring and project management. The solar farm facility is located on 12.5± acres and provides a total of approximately 5.6 megawatts to the Town grid with approximately 24,000 photo voltaic module solar arrays.

Technical Consultant, Ravenbrook Landfill Solar Facility, Carver, Massachusetts. Provided geotechnical and landfill engineering services addressed settlement and design issues for the system, which is installed over a membrane landfill cap prepared Post Closure Use Application, landfill gas/methane and safety monitoring and project management. The solar farm facility is located on 12.5± acres and provides a total of approximately 5.6 megawatts to the Town grid.

#### SUPERFUND/RCRA/STATE SITE ASSESSMENT AND REMEDIATION

Principal, Central Landfill, Johnston, Rhode Island Hot Spot Hydrodynamic Containment System Design and Relocation. Central Landfill is an EPA Superfund site with a bedrock aquifer contaminated with volatile organic compounds (VOCs). Provided direction and oversight of investigations that included deep bedrock borehole geophysical analysis and multi-level monitoring well installations. Managed the operation of a groundwater pump and treat remediation system with treatment of VOCs using an air stripper. Developed both a fractured bedrock flow model (FracMan/Mafic) and equivalent prous media flow model (using MODFLOW) and contaminant transport model (using RT3D) to evaluate the extent of contamination beneath the solid waste landfill and evaluate the capture zone of an initial and subsequently a relocated groundwater pump and treat remediation system.

Principal, Carroll Products RCRA Facility Investigation (RFI) and Site Remediation, Richmond, Rhode Island. This multiphase environmental study and site remediation project is being conducted, in part, under EPA and RIDEM Consent Orders to evaluate the nature and extent of soil, groundwater, and surface water contamination at a former chemical production facility. This project has included preparation and implementation of project work plans for remedial investigation, human health and ecological risk assessment, feasibility studies and remedial design/actions (RD/RA). Key RI project elements include field investigations, multimedia sampling and analyses (soil, groundwater, surface water, and sediment), data interpretation, and report preparation. RI activities supported focused risk evaluations, feasibility studies and site clean-up actions which, to date, have culminated in the remediation of two former hazardous waste disposal lagoons and removal of numerous leaking underground storage tanks.



# Edward A. Summerly, P.G.

Principal

**Principal, JM Mills Superfund Site, Cumberland, Rhode Island.** Mr. Summerly directed GZA's work for the Town of Cumberland, host community for the site, which included a detailed evaluation of landfill capping and remedial options for three landfills/waste cells located within the floodplain of a major river. Review comments and recommendations were presented to the Town Council and subsequently EPA and RIDEM.

**Principal, Regal Plating, Providence, Rhode Island.** Mr. Summerly directed GZA's turnkey site investigation, site remediation and redevelopment services at this former metals plating facility. Services include: asbestos and hazardous materials identification and abatement; building demolition; underground petroleum storage tank removals; petroleum and chlorinated hydrocarbon contaminated soils remediation using soil vapor extraction (SVE); bioremediation of chlorinated hydrocarbon contaminants in groundwater; and sire redevelopment as paved parking.

Principal, Charbert Facility Site Investigation and Remediation, Richmond, Rhode Island. Mr. Summerly directed GZA's work which consisted of the completion of multiple phases of site investigation work plans, multi-media site investigations focusing on soil, groundwater and bedrock contamination assessment. Primary contaminants of concern consist of chlorinated hydrocarbons and heavy petroleum. Key project elements include: complex hydrogeology associated with multiple active industrial groundwater supply wells, active unlined wastewater disposal lagoons, close proximity to private residential supply wells, and dense (DNAPL) solvent contaminants. Studies culminated in our design and installation of an extensive air sparge/soil vapor extraction (SVE) system both beneath and surrounding the facility; closure of five onsite wastewater treatment/disposal lagoons by wet dredging, and waste relocation/capping of four solid waste dumps. GZA is currently operating the SVE/AS system which is nearing its remedial goals.

Principal, Paul Cuffee School, Providence, Rhode Island. Mr. Summerly directed GZA's work for the charter school which included developing a remedial action work plan, preparing remedial/construction bid documents and construction management during implementation of the remedy and redevelopment of two parcels of land adjacent to the Paul Cuffee School. Key project objectives were to allow the school to remediate and redevelop the lead-impacted property in a safe and cost-effective manner without impacting ongoing classes at the adjacent facility and meet all regulatory requirements to achieve site closure. GZA also assisted this non-profit organization in obtaining two EPA clean-up grants to implement the selected remedy. The remediation included insitu soil stabilization, limited soil removal and capping of the lead-impacted soil. The insitu stabilization allowed us to dispose of excess soil at a local landfill as opposed to a hazardous waste disposal facility; a significant cost savings for the client. GZA submitted the Remedial Action Closure Report to RIDEM in June of 2012, began remedial construction in August 2012 and received a Letter of Compliance on July 12, 2013.

Principal, Former I-195 Parcels 31 and 36, Providence, Rhode Island. Directed a multi-phase soil and groundwater investigation, for the purchaser of a portion of a former interstate highway. Prepared a Site Investigation Report and designed/implemented two design phase investigation to address lead and PCE impacted soil and groundwater. Prepared a Remedial Action Work Plan, which included design of a soil vapor extraction system. Self-performed SVE system installation and currently provided operation, maintenance and monitoring of the remedial system.

Associate Principal, Former INGE Facility Site Investigation, Providence, Rhode Island. Mr. Summerly directed GZA's work which consisted of the completion of multiple phases of site investigation work plans, multi-media site investigations focusing on soil and groundwater contamination assessment. Key project elements include: complex subsurface conditions associated with historic filling with MGP waste and construction and demolition debris, potential migration of off-site contaminants below existing site structures, and management of on-site stockpiles of contaminated soils.

Senior Technical Specialist, Former Melina Mill Facility Site Investigation and Pre-Demolition Assessment, Providence, Rhode Island. Mr. Summerly was involved in the completion of an extensive multi-media site investigation focusing on subsurface conditions and the evaluation of hazardous building materials and asbestos within the facility. Key project elements include:



# Edward A. Summerly, P.G.

Principal

complex interior exploration program, leaking underground storage tanks, asbestos and PCB containing materials evaluation, as well as demolition and site redevelopment planning.

Principal, Peterson Puritan/Pacific Anchor Superfund Site, Cumberland, Rhode Island. GZA performed several phases of environmental due diligence studies in support of two property transactions. Our services included evaluation of existing documentation, assessment of the ongoing remedial measures and identification of outstanding/potential environmental issues. Preliminary human health risk evaluation of indoor air quality impacts and design recommendations for an active sub-slab depressurization to control vapor intrusion related risk. Mr. Summerly also provided technical support for negotiation of a bona fide prospective purchaser agreement and covenant not to sue with EPA.

**Project Geologist, Stamina Mills Superfund Site, North Smithfield, Rhode Island.** Implemented residential groundwater well sampling program in surrounding neighborhoods to assess off-site contaminant migration patterns.

**Project Geologist, Western Sand & Gravel Superfund Site, Burrillville, Rhode Island.** Participated in quarterly groundwater monitoring program as part of an EPA-mandated remedial investigation.

**Project Geologist, Confidential Industrial Client, Norwood, Massachusetts.** Developed equipment and methodology for the determination of bedrock-groundwater interaction characteristics by extraction packer test methods with remote data acquisition. Developed and maintained a computer database for the management and interpretation of long-term quarterly groundwater monitoring program.

**Project Geologist, Wyman-Gordon Facility, North Grafton, Massachusetts.** Developed and implemented a work plan for RCRA Solid Waste Management Unit (SWMU) study involving extensive soil sampling, chemical testing and computer based statistical data analysis.

Principal, Narragansett Bay Commission CSO Contract #303.06C – Watershed 037 West, Providence, Rhode Island. Mr. Summerly directed GZA's turnkey construction support services which included: site investigation, impacted soils precharacterization, soils management, handling and disposal/beneficial reuse for the installation of new storm sewers along roughly 2 miles of roadway in the North Main Street/East Side area of Providence. Services also include: a preconstruction survey of potentially impacted structures along the alignment; preparation of the Contractors Quality Assurance/Quality Control Plan; soil handling and management plans; hazardous materials management plans; soil disposal facility applications; and construction observation, documentation, and reporting. GZA's soil pre-characterization work allowed the contractor to live load excavated excess soils saving significant time and cost associated with traditional material stockpiling and testing. This was particularly important on this project that had severely limited lay-down and storage space along the city streets.

Principal, RIDOT, Providence River Pedestrian Bridge, Providence, Rhode Island. Mr. Summerly is directing GZA's construction support services which have included: site investigation, impacted soils pre-characterization, and soil management recommendations for the redevelopment of the waterfront area and installation of a new pedestrian bridge along the Providence River connecting downtown with the College Hill and Fox Point neighborhoods. Services have also included: preparation of a construction health and safety plan; a soil/stockpile management plan; and soil disposal facility applications. GZA's soil precharacterization work will allow the contractor to live load excavated excess soils saving significant time and cost associated with stockpiling and testing.

**Principal, RIDOT 2-Mile Corner Roadway Upgrade Project, Middletown, Rhode Island.** Mr. Summerly direct GZA work providing environmental support for this project on behalf of D'Ambra Construction, Co. Our services included: site investigation, soil pre-characterization, preparation of a construction HASP in accordance with OSHA HAZWOPER regulations; a Soil Management Plan for the on-site management and off-site disposal of excavated soils; preparation of a material acceptance



# Edward A. Summerly, P.G.

Principal

package for submittal to the selected receiving facility and a groundwater dewatering plan for Contractor's use in the event dewatering was required for some of the sub-grade utility installs. As of June 2017, this project was ongoing.

**Principal, RIDOT Improvements to Route 107, Burrillville, RIDOT Contract 2015-CH-065.** As part of the construction work for roadway improvements, GZA provided environmental services to J.H. Lynch (Contractor). Mr. Summerly directed the site investigation and soil pre-characterization work. This included evaluating acceptable disposal facilities and preparation of material acceptance packages for the stockpiled soils to be disposed of at the RI Resource Recovery Corporation as well as evaluation of materials proposed for use/reuse during construction.

**Principal, Former Koppers Facility, East Providence, Rhode Island.** Directed a multi-phase soil and groundwater investigation, for a portion of a former coal tar processing facility, on behalf of RIDOT. Prepared Remedial Action Closure Reports for portions of the Site and provided litigation support to RIDOT.

**Principal, CLUE and Hazardous Materials Survey, Howard Rd Bridge, Cumberland, Rhode Island.** Directed GZA's work which included environmental assessment of a state bridge proposed for renovation by RIDOT. The scope included completion of a Corridor Land Use Evaluation (CLUE) and pre-demolition asbestos and hazardous materials sampling, analysis and report preparation.

**Principal, I-295 Bridge Replacements, Johnston and Cranston, Rhode Island.** Managed environmental permitting associated with two bridge replacements. Work included multiple wetland permitting submittals, preparation of Soil Erosion and Sedimentation Control Plans, construction oversight/erosion control inspections, and soil evaluation for stormwater best management practice design.

**Principal, Route 37 Bridges, Cranston, Rhode Island.** Directed GZA's work which included environmental assessment of 15 state bridges proposed for demolition/replacement of renovation by RIDOT. The scope included completion of a Corridor Land Use Evaluation (CLUE) and pre-demolition asbestos and hazardous materials sampling, analysis and report for each of the 15 structures. Also performed soil evaluations for stormwater best management practice design.

**Principal, CLUE and Hazardous Materials Survey, Howard Rd Bridge, Cumberland, Rhode Island.** Directed GZA's work which included environmental assessment of a state bridge proposed for renovation by RIDOT. The scope included completion of a Corridor Land Use Evaluation (CLUE) and pre-demolition asbestos and hazardous materials sampling, analysis and report preparation.

#### RI DEPARTMENT OF TRANSPORTATION

#### HAZARDOUS BUILDING MATERIALS ASSESSMENTS

**Principal, Asbestos and Hazardous Materials Management, Newport Naval Station, Newport, Rhode Island.** Directed prerenovation and pre-demolition asbestos, PCB, lead and other hazardous materials surveys at multiple facilities associated with ongoing base upgrades. Prepared detailed abatement plans and specification, and provided consulting support for the management of a broad range of hazardous materials.

**Principal, Regal Plating, Providence, Rhode Island.** Mr. Summerly directed GZA's turnkey site investigation, site remediation and redevelopment services at this former metals plating facility. Services include: asbestos and hazardous materials identification and abatement; building demolition; underground petroleum storage tank removals; petroleum and chlorinated hydrocarbon contaminated soils remediation using soil vapor extraction (SVE); bioremediation of chlorinated hydrocarbon contaminants in groundwater; and sire redevelopment as paved parking.



# Edward A. Summerly, P.G.

Principal

Principal, Asbestos and Hazardous Materials Management, New London Naval Station, New London, Connecticut. On behalf of the Navy's contractor, prepared detailed abatement implement plans based on the project specifications and the Contractors selected means and methods for multiple phases of renovation. Provided full-time field abatement monitoring services including in-process and clearance air sampling for multiple phases of extensive facility renovation.

**Principal, Hazardous Building Materials Surveys, Town of Portsmouth, Portsmouth, Rhode Island.** Directed pre-demolition asbestos and hazardous materials sampling, preparation of asbestos abatement management plans and conducted post abatement inspections for the demolition of the Portsmouth Police Station.

**Principal, CLUE and Hazardous Materials Survey, Howard Rd Bridge, Cumberland, Rhode Island.** Directed GZA's work which included environmental assessment of a state bridge proposed for renovation by RIDOT. The scope included completion of a Corridor Land Use Evaluation (CLUE) and pre-demolition asbestos and hazardous materials sampling, analysis and report preparation.

#### **Publications and Presentations**

Kinsella, K, Summerly, E. A., et al., 2013. Organic Carbon Plus Zero Valent Iron for Residual DNAPL Remediation with Minimal Daughter Product Migration. Second International Symposium on Bioremediation and Sustainable Environmental Technologies. Battelle Memorial Institute, Columbus, OH.

Summerly, E.A., R.K Frohlich, and J.J. Fisher "Electric-hydraulic Conductivity Correlation in Fractured Chrystaline Bedrock: Central Landfill," Journal of Applied Geophysics, September 1996.

#### Certifications/Training

- 2001, Queens University, Hydrogeology of Fractured Rock
- 1999, PSMJ Resources, Advanced Project Management Training Course
- 1997, ASTM, Risk Based Corrective Action (RBCA) Decision Making Training Course
- 1996, OSHA, Confined Space Entry Training Certification
- 1995, GSC, Contaminant Fate and Groundwater Transport Modeling Course
- 1995, EPA, Human Health Risk Assessment Guidance for Superfund Course

### Affiliations/Memberships

- Environmental Business Council, RI Chapter Board Member
- Solid Waste Association of North America, Landfill Gas Technical Division Member
- Association of Ground Water Scientists and Engineers
- Rhode Island Society of Environmental Professionals

