

**APPENDIX B**  
**FACILITY DESCRIPTION**

## 1.0 GENERAL DESCRIPTION

US Ecology Burlington, Inc. (USEB) operates a commercial hazardous waste storage facility (North American Industrial Classification System Code 562211) located one mile east of the Burlington Airport, 2 miles north of Route 89 Exit 12, and 4 miles west of the town center of Williston, in Chittenden County, Vermont. The facility is in the Whitcomb Industrial Park. A site location map is included as Figure B-1 of this section and was obtained from the US Geological Survey 7.5 Minute Quadrangle Map (Essex Junction and Burlington) dated 1948 and photo revised in 1987.

USEB is permitted to store up to 150,535 gallons of hazardous waste; materials containing polychlorinated biphenyls (PCBs) regulated by TSCA; and solid wastes received from a wide variety of off-site sources. In general, hazardous and solid wastes managed at the USEB facility include: solids, liquids, gases and sludges; contaminated soils and debris; organic waste streams such as inks, paints, solvents and other hydrocarbons; contaminated waters and leachate; lab packs; and treatment residues. The hazardous wastes managed at the USEB facility are identified in **Appendix A**.

In general, the hazardous waste management capabilities of the USEB facility include:

- Consolidation of hazardous wastes for transportation
- Bulking of hazardous waste for transportation
- Storage and off-site transfer of wastes to third-party treatment, storage, and disposal facilities
- Depacking and repackaging of laboratory chemicals

Additional waste management activities include:

- Vehicle-to-vehicle transfer of hazardous and non-hazardous waste in transit to other TSDFs in bulk containers
- Temporary storage of hazardous and non-hazardous solid waste for a period of ten (10) days or less

USEB is authorized by EPA to store PCBs generated from a wide variety of off-site sources (**Appendix I, Attachment K**). USEB anticipates storing small PCB articles, PCB containers, PCB waste, PCB remediation waste, and PCB containing oil. USEB may store PCB materials with greater than 50 parts per million PCB content. USEB is permitted to store 5,500 gallons of materials containing PCB's at concentrations subject to regulation at 40 CFR Part 761.

The USEB facility includes the following waste management units and areas:

### 1.1 Container Storage Areas (Cells)

USEB stores hazardous waste, PCB materials, and non-hazardous solid waste (e.g., latex paints, household hazardous waste) in a variety of U.S. Department of Transportation approved container types. Containerized wastes are stored in fourteen different "storage cells," as determined by waste type and compatibility. All of the container storage cells are located inside the facility building. Hazardous and solid wastes are stored in the storage

cells designated as B-1 through B-6, C-1, C-2, and D-1 through D-6. PCB materials subject to regulation at 40 CFR Part 761 are only stored in storage cells D-2 and D-5; USEB may also store hazardous and solid wastes in these cells but will not store PCB wastes in any other cells. A facility diagram illustrating the container storage cell layout, office areas and other areas where wastes are not managed is included in Figure B-2 of this section.

Storage cell A-1 is used primarily to stage wastes that are received from off-site (i.e., to verify waste information and conduct Level I waste analysis), and to prepare wastes for shipment off-site. A metal sea container, designated the “Sensitive Storage Locker”, resides in cell A-1. The Sensitive Storage Locker is a secure storage container for storage of waste such as those seized from clandestine labs.

## 1.2 Outdoor Containment Structure, and Waste Handling Equipment

USEB utilizes an outdoor concrete secondary containment pad for the purposes of loading and unloading transportation vehicles and storing bulk solid waste roll-off containers from consolidation activities. In addition, USEB utilizes waste handling equipment to facilitate the movement of wastes within the facility. This equipment includes a forklift, metal rollers in each storage cell, and portable ramps to move containerized waste from Cell A-1 to other cells.

## 2.0 GENERAL MAP REQUIREMENTS

Following is a description of each drawing/map provided in this section.

### 2.1 Topographic Map

A topographic map is included as Figure B-3. The scale of the map shown is 1 inch equals 200 feet with 20-foot contour intervals. The vertical datum of the map is based on the National Geodetic Vertical Datum (NGVD) established in 1929.

### 2.2 Floodplain

The FIRM Flood Insurance Rate Map (Figure B-4) provides data identifying areas prone to flooding in the vicinity of the USEB facility. Active management areas of the facility are not located in the 100-year floodplain.

### 2.3 Surface Waters/Surrounding Land Use/Legal Boundaries

Surface waters (creeks and surface impoundments) and surrounding land uses (industrial, commercial, undeveloped, and residential) based on aerial photography of the facility and surrounding area are shown on Figure B-5. The legal boundaries of the property are also provided on the drawing.

## 2.4 Buildings and Structures; Loading and Unloading and Facility Security

The location of existing major buildings and structures at the facility including loading and unloading facilities are shown on Figure B-6. There are no internal roads or perimeter fences at the facility. Security is discussed further in Appendix F of this permit.

## 2.5 Fire Controls, Sewers, Potable Water, and Natural Gas

The location of water mains and fire control system (excluding portable fire extinguishers identified in the Contingency Plan); storm sewers; potable water service; and natural gas facilities in the vicinity of the USEB facility are shown on Figure B-7. There are no sanitary sewers at the facility. Sanitary wastes are managed in an on-site septic system.

## 2.6 Wind Rose

A wind rose from the Burlington Airport is provided as Figure B-8. The wind rose provided is for the year 2018.

Additional map requirements for Land Disposal Facilities are not applicable because there are no land disposal facilities at the USEB facility.

## 3.0 SEISMIC AND FLOODPLAIN STANDARDS

### 3.1 Seismic Standard

The USEB facility is not located in a political jurisdiction identified as seismically active per 40 CFR Part 264, Appendix VI.

### 3.2 Floodplain Standard

The most recent FIRM Flood Rate Insurance Map (Figure B-4 ) indicates that no active waste management areas of the USEB facility are located within the 100- or 500-year flood boundaries. There are no drainage or flood control barriers.

## 4.0 TRAFFIC INFORMATION

USEB provides commercial waste storage services. Third-party vehicles enter and leave the facility each day from public thoroughfares. No traffic control signs, or signals have been installed specifically for the USEB facility. Vehicular traffic hauling waste to and from the facility consists of box trucks, tanker trucks, drum trailers, and other typical over-the-road commercial hauling equipment. Approximately twenty waste hauling vehicles enter and leave the facility per day.

External roads at the facility are covered with asphalt pavement with an aggregate subgrade or concrete pavement. Roads are adequate for the imposed loads of the vehicles present at the facility. There are no internal roads at the facility.

## 5.0 OPERATING RECORD

USEB will maintain a facility operating record that, at a minimum, includes the information specified in the following table for the specified timeframes (retention periods).

<b>OPERATING RECORD REQUIREMENTS</b>	<b>RETENTION PERIOD</b>
Description and the quantity of each hazardous waste received, and the method and date(s) of its treatment storage and disposal as required by 40 CFR Part 264 Appendix I	Until closure of the facility
The location of each hazardous waste within the facility and the quantity at each location, including cross references to manifest document numbers if accompanied by a manifest	Until closure of the facility
Records documenting personnel training that include job titles for each position, written job descriptions, a description of the type and amount of introductory and continuing training required, and records documenting that the training and experience required have been given to and been completed by facility personnel per 40 CFR Part 264.16.	Until closure of the facility for current employees. Records for former employees must be kept for a period of three years from the date the employee last worked at the facility.
Waste analysis records and documentation:	
264.13      General Waste Analysis	Until closure of the facility
264.17      General Requirements for Ignitable, Reactive, or Incompatible Wastes	Until closure of the facility
264.314     Not applicable to the facility	Not applicable to this facility
264.341     Not applicable to the facility	Not applicable to the facility
264.1034    Test Methods and Procedures (40 CFR Part 264 Subpart AA)	Not applicable to the facility
264.1063    Test Methods and Procedures (40 CFR Part 264 Subpart BB)	Until closure of this facility
264.1083    Waste Determination Procedures (40 CFR Part 264 Subpart CC)	Until closure of this facility
268.4(a)    Not applicable to the facility	Not applicable to this facility
268.7       Waste analysis and recordkeeping	Until closure of the facility

<b>OPERATING RECORD REQUIREMENTS</b>	<b>RETENTION PERIOD</b>	
Level II and III analysis, by-passed containers, sampling/analysis of 1/500 containers, annual review of Level III analyses and procedure, storm water (outdoor containment structures) analyses		
The contingency plan and all amendments, and summary reports and details of all incidents that require implementation of the facility contingency plan as specified in 40 CFR Part 264.56(i)	Until closure of the facility	
Documentation of local, state and federal officials or Agencies that refuse to enter into the arrangements Described in the Contingency Plan	Until closure of the facility	
Records and results of all general facility inspections as required by Section F of this permit and 40 CFR Part 264.15(d)	Three years from the date of the inspection	
Monitoring, testing, or analytical data and corrective action where required by 40 CFR Parts:		
Subpart F of Part 264	Releases from Solid Waste Management Units	If applicable, until closure of the facility
264.19	Construction Quality Assurance Program	Not applicable to this facility
264.191	Assessment of Tank Systems Integrity (Subpart J)	Not applicable to this facility
264.192	40 CFR 264.192(g) Written Certification Statements for the Design and Installation of New Tank Systems or Components	Not applicable to this facility
264.193	Containment and Detection of Releases (Subpart J)	Not applicable to this facility
264.195	Inspections (Subpart J)	Not applicable to this facility
264.222		
264.223	Surface Impoundments	Not applicable to this facility
264.226		
264.252		
264.253	Waste Piles	Not applicable to the facility
264.254		
264.276		
264.278	Land Treatment	Not applicable to this facility
264.280		

<b>OPERATING RECORD REQUIREMENTS</b>	<b>RETENTION PERIOD</b>	
264.302 264.303 264.304 264.309 264.347 264.602 264.1034 (c) – (f)	Landfills    Incinerators  Miscellaneous Units Subpart AA Test Methods and Procedures	Not applicable to this facility    Not applicable to this facility  Not applicable to this facility Not applicable to this facility
264.1035	Subpart AA Recordkeeping requirements	Not applicable to this facility
264.1063 (d) – (i)	Subpart BB Test Methods and Procedures	Until closure of the facility
264.1064	Subpart BB Recordkeeping requirements Tank repairs	Until closure of the facility
264.1082 – 264.1090	Subpart CC Recordkeeping	Until closure of the facility
Notices to generators as specified by 40 CFR Part 264.12(b) for off-site facilities		3 years from the date the waste accepted for shipment
All closure cost estimates required under 40 CFR Part 264.142, all versions of the facility Closure Plan, and Records of all off-site shipments during closure		Until closure of the facility
A certification no less than annually that the permittee has a program in place to reduce the volume and toxicity of hazardous waste that the permittee generates to the degree determined economically practicable; and the proposed method of treatment, storage, and disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment.		Until closure of the facility
Copies of all plans submitted in accordance with 10 V.S.A., § 6629 (Toxic Use Reduction and Hazardous Waste Reduction Plan)		Until closure of the facility
Copies of the notice(s), and the certification and demonstration if applicable, required by the generator or the owner or operator under 40 CFR Part 268.7 and 268.8 for treatment and storage of restricted waste. This includes copies of notices, certifications, restricted waste determinations whether by knowledge of the waste,		Until closure of the facility

<b>OPERATING RECORD REQUIREMENTS</b>	<b>RETENTION PERIOD</b>
testing, or supporting data and other documentation as required by 40 CFR Part 268.7(a)(5)	
Records demonstrating the storage of hazardous waste at the facility that was necessary for a period beyond one year which was for the purpose of accumulation of such quantities of hazardous waste necessary to facilitate proper recovery, treatment or disposal. These records shall be required beginning when storage has been for a period of one year.	Until closure of the facility
Hazardous waste manifests for shipments received and accepted by the facility.	Until closure of the facility
Certifications as required by 40 CFR 264.196(f)	Not applicable to this facility
Phase I Environmental Site Assessment completed in 2007	Until closure of the facility
TSD as a generator requirements:	
Uniform hazardous waste manifests	3 years from the date the waste was accepted by the initial transporter
A copy of each biennial report and manifest exception report	3 years from the due date of the report
Records of test results, waste analyses, or other determinations made in accordance with 40 CFR Part 262.11 (hazardous waste determination)	3 years from the date the waste was last sent to on-site or off-site treatment, storage, or disposal.
Notification of intent to export hazardous waste	3 years from the date the hazardous waste was accepted by the initial transporter
Copy of each EPA Acknowledgement of Consent to export hazardous waste	3 years from the date the hazardous waste was accepted by the initial transporter
Copy of each confirmation of delivery of the hazardous waste from the consignee of an exported shipment of hazardous waste	3 years from the date the hazardous waste was accepted by the initial transporter
Copy of each annual report prepared for exports of hazardous waste.	3 years from the due date of the report
Copy of records required under Vermont Hazardous Waste Management Regulations section 7-204(1)(3) for all “fuel-to-fuel” wastes shipped off-site from the EVI facility	3 years from the date fuel-to-fuel waste is shipped off-site

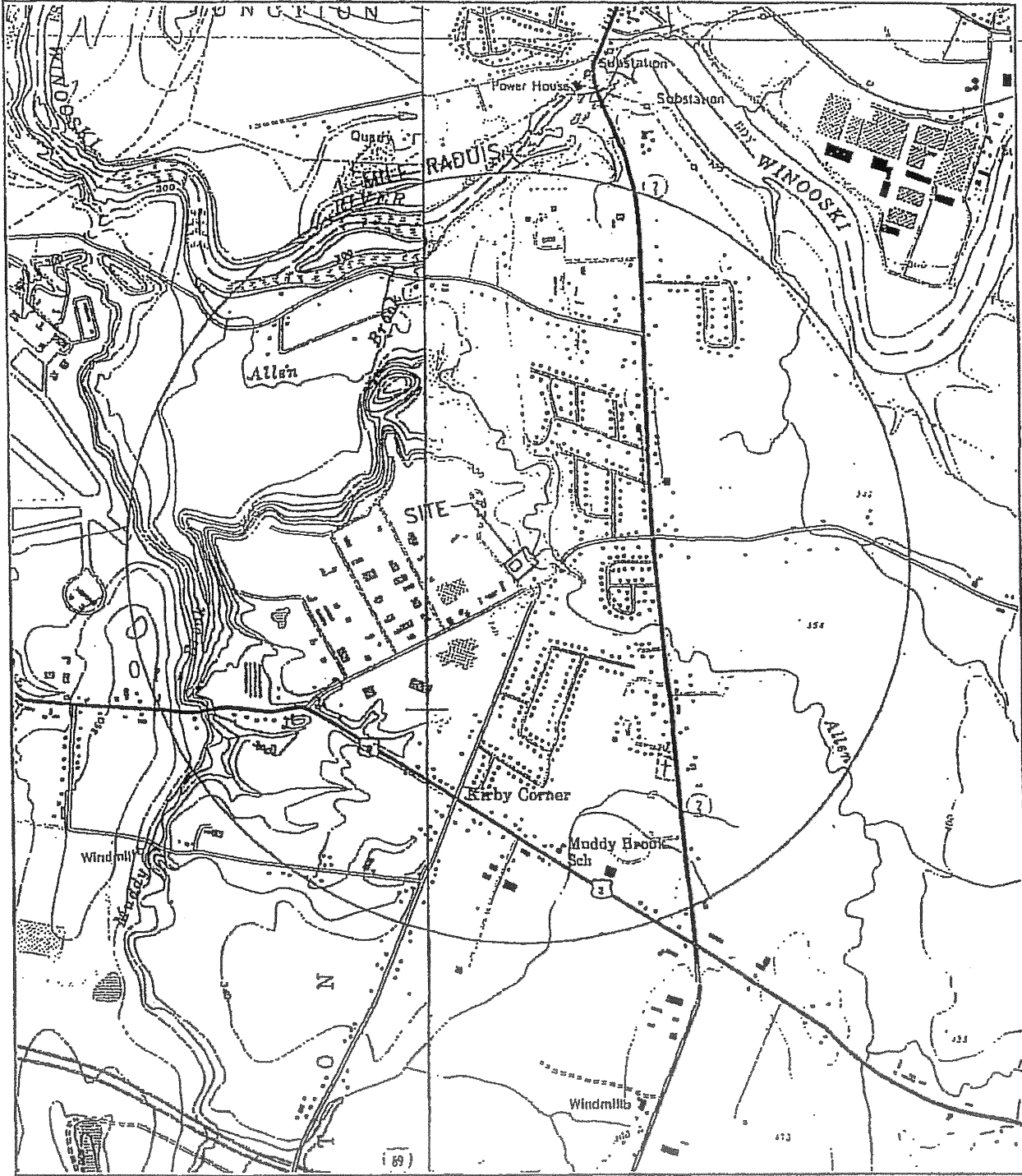


The retention period for all records required under this permit, the Vermont Hazardous Waste Management Regulations and 40 CFR Parts 262, 264, 265, and 268 are extended automatically during the course of any unresolved enforcement action regarding the facility or as requested by the administrator.

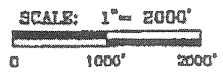
**APPENDIX B**

**LIST OF FIGURES**

<b>Drawing Source</b>	<b>Title</b>	<b>Drawing Number</b>	<b>Revision Date</b>
USEB	Figure B-1 Site Location Map	R6082032	May 31, 2007
USEB	Figure B-2 Floor Plan	TOPO2	April 6, 2022
USEB	Figure B-3 Topographic Map	TOPO2	January 18, 2020
FEMA Flood Map Service Center	Figure B-4 100-Year Flood Plain	TOPO2	January 18, 2020
USGS Water Resources Maps	Figure B-5 - Surface Waters and Surrounding Land Use	R6082032	January 18, 2020
USEB	Figure B-6 - Building and Structures, Loading and Unloading, Facility Security, and Internal Roads	R6082032	May 31, 2007
USEB	Figure B-7 - Fire Controls, Sewers, Potable Water, and Natural Gas	R6082032	May 31, 2007
Western Regional Climate Center	Figure B-8 - Wind Rose	NA	January 18, 2020



FACILITY LOCATION  
 LAT: N47°27'40"  
 LON: W73°07'08"



- NOTES:
1. THERE ARE NO INJECTION WELLS AT THE FACILITY.
  2. THERE ARE NO KNOWN DRINKING WATER WELLS WITHIN 0.25 MILES OF THE FACILITY.

REF: USGS 7.5 MINUTE SERIES  
 VERMONT - ESSEX JUNCTION,  
 BURLINGTON QUADRANGLES

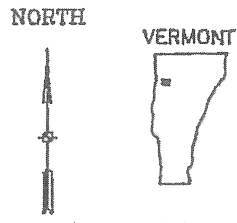


Figure B-1

US Ecology Burlington							
SITE LOCATION MAP SHOWING 1 MILE RADIUS							
<table border="1"> <tr><td>DRAWN BY: JMC</td></tr> <tr><td>APP. BY: FLEJ</td></tr> <tr><td>JOB NO. R2832</td></tr> </table>	DRAWN BY: JMC	APP. BY: FLEJ	JOB NO. R2832	<table border="1"> <tr><td>DATE: 5-31-07</td></tr> <tr><td>SCALE: 1" = 2000'</td></tr> <tr><td>DWG. TOPOZ</td></tr> </table>	DATE: 5-31-07	SCALE: 1" = 2000'	DWG. TOPOZ
DRAWN BY: JMC							
APP. BY: FLEJ							
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SCALE: 1" = 2000'							
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USEB							

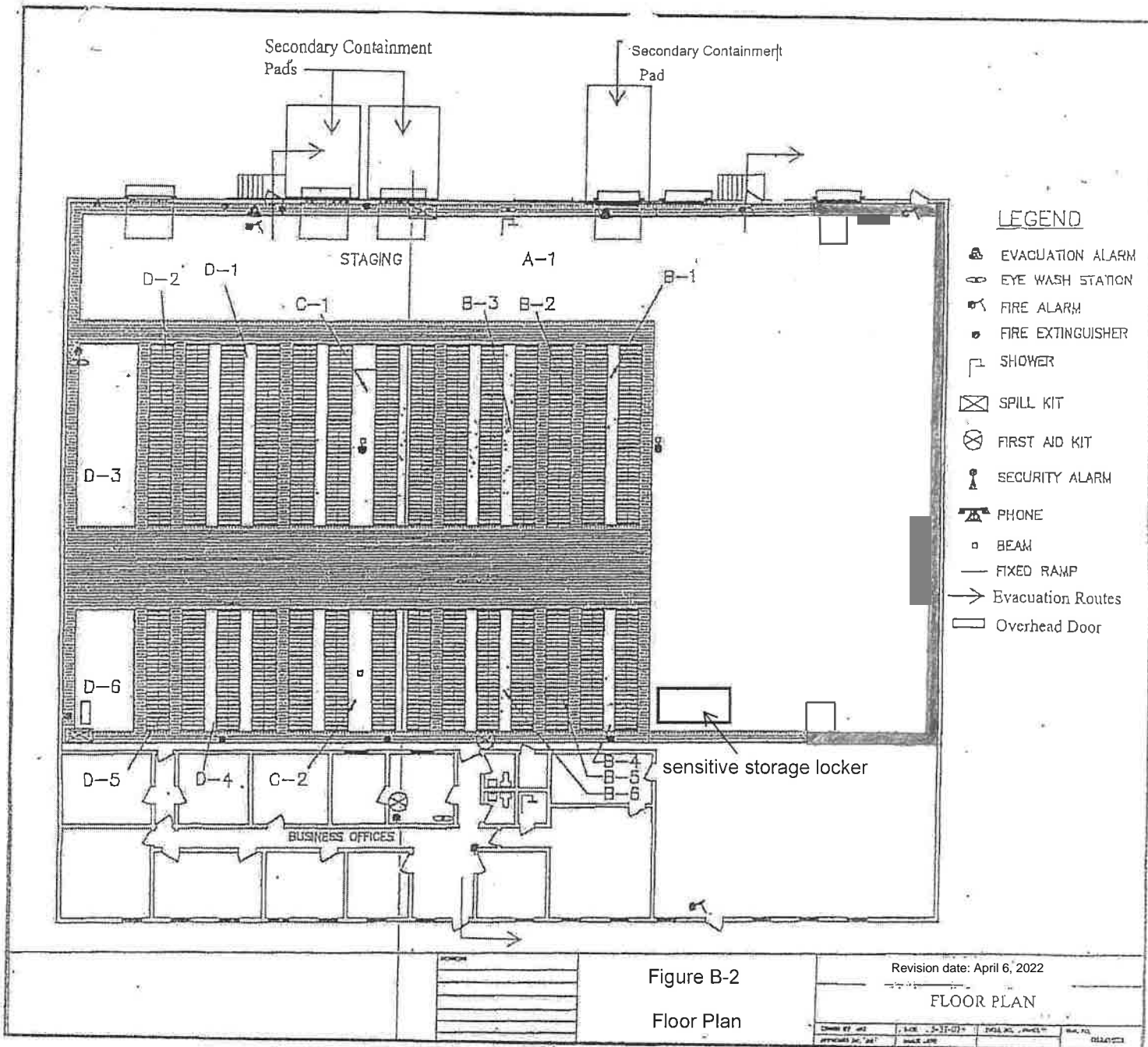


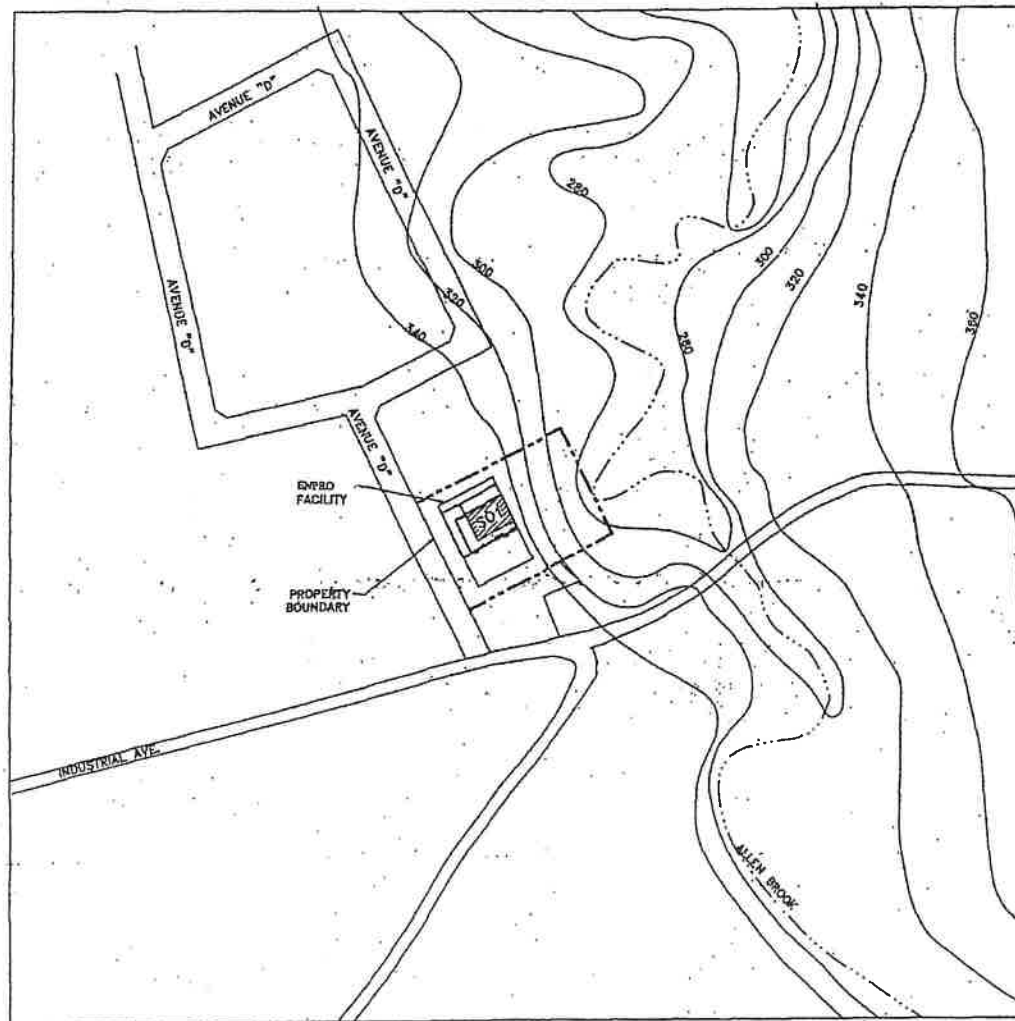
Figure B-2

Floor Plan

Revision date: April 6, 2022

FLOOR PLAN

Drawn by	Scale	Project No.	Sheet No.



NORTH

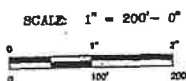


NOTES:

1. BASE MAP IS A COMPOSITE COMPILED FROM:
  - 1). AERIAL PHOTOGRAPH, VERMONT BASE MAP - KIRBY CORNER, SHEET NO. 100216, SERIES 5000 1988' SCALE 1:5000
  - 2). VERMONT GAS SYSTEM, INC. PROJ. WD. #7401, MARCH 1974 & PROJ. AVE. D, MARCH 12, 1986.
  - 3). USGS TOPO MAPS-ESSEX JUNCTION, VT. & BURLINGTON, VT. QUADRANGLES
  - 4). KREBS & LANSING CONSULTING ENGINEERS, INC. WHITCOMB INDUSTRIAL PARK, FINAL PLAN, DATED MAY 1984
  - 5). KREBS & LANSING CONSULTING ENGINEERS, INC. REM CORP WASTE-WATER SYSTEM, DATED OCT. 1984
2. SEE SECTION "D" OF PERMIT APPLICATION FOR DETAILS OF REGULATED UNITS.
3. THERE ARE NO KNOWN DRINKING WATER WELLS WITHIN 0.25 MILES

LEGEND

- STREAM/INTERMITTENT STREAM
- - - - - PROPERTY BOUNDARY
- 340 — CONTOUR LINE (20 FT INTERVAL)



REVISIONS

Figure B-3  
US Ecology Burlington

TOPOGRAPHIC MAP			
DRAWN BY JMO	DATE May 31, 2007	PROJ. NO. 82032	DWG. NO.
APPROVED BY: CH	SCALE 1" = 200'		R8082032

Figure B-1

Figure B-4

USEB 100-Year Flood Plain

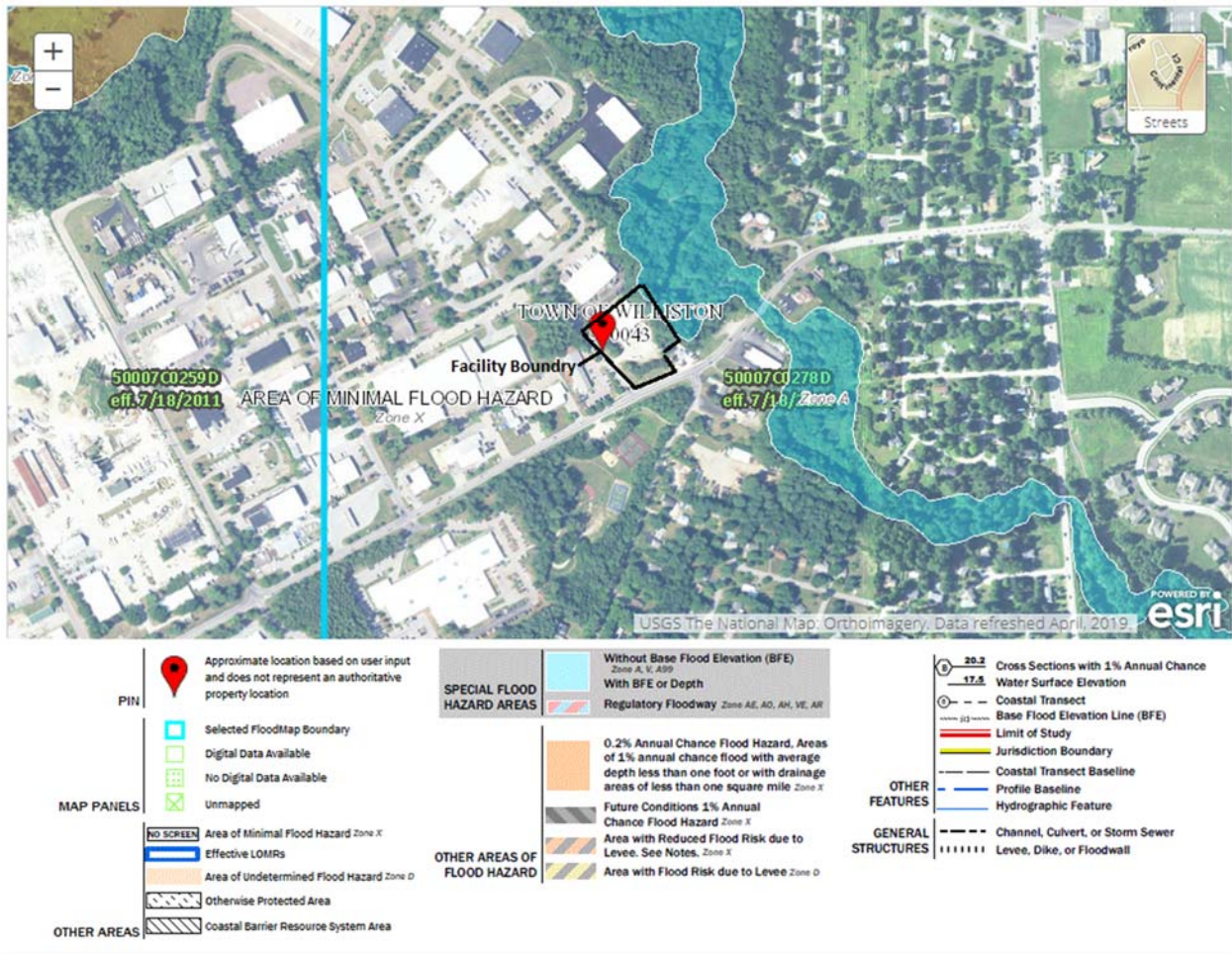
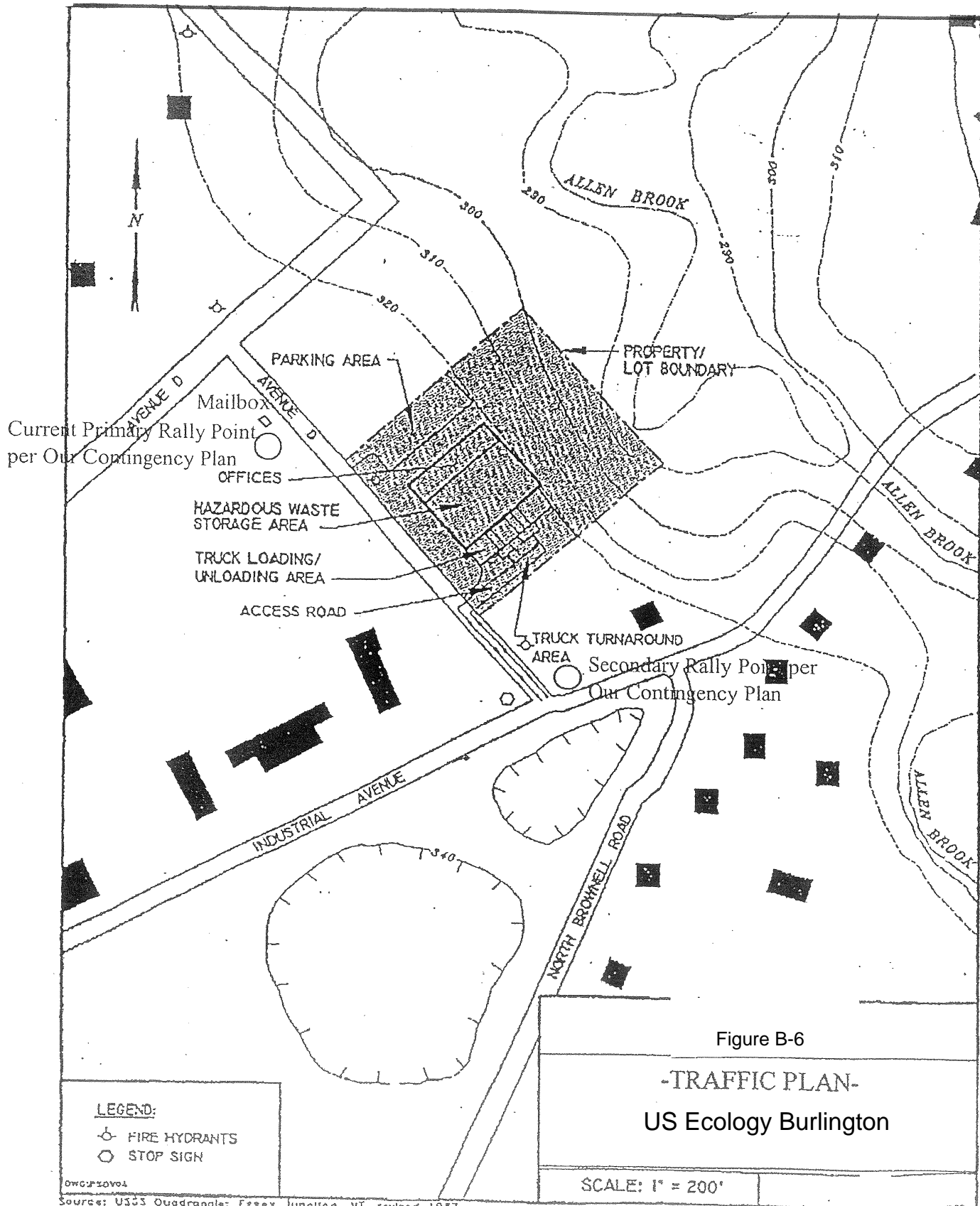


Figure B-5

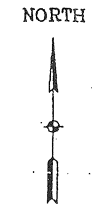
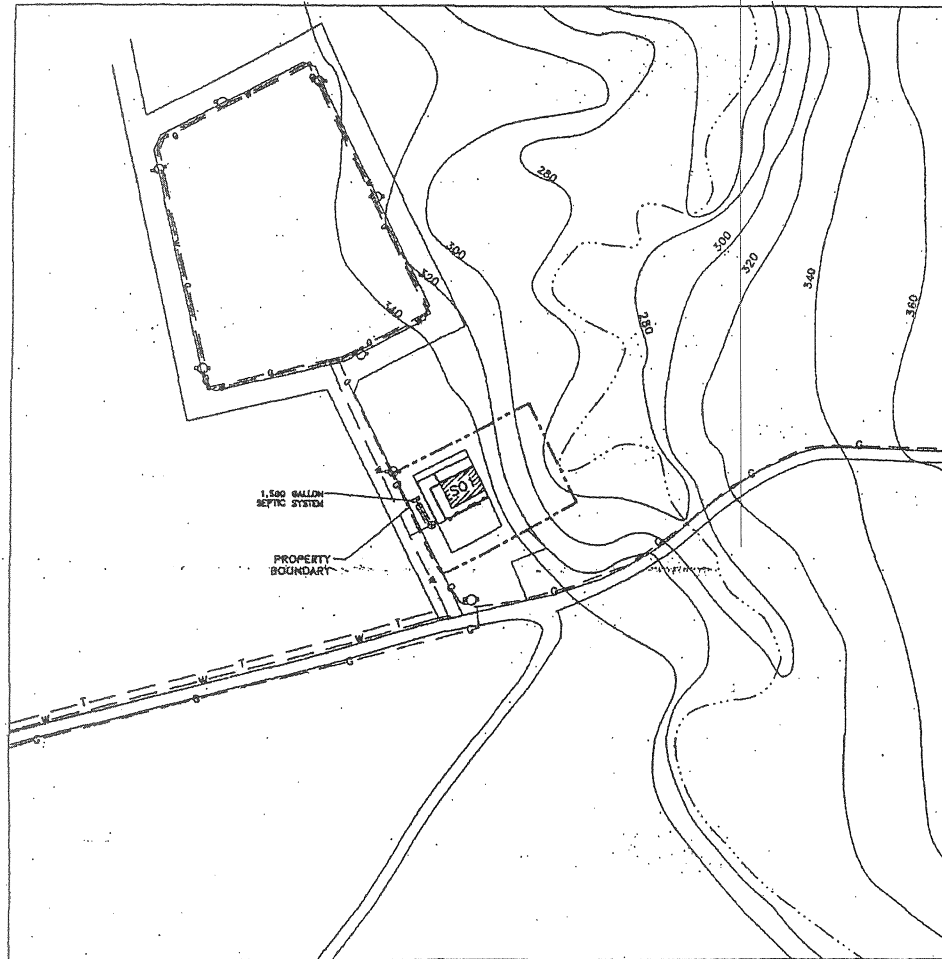
### Surface Water and Surrounding Land Use





○ Evacuation Assembly Location

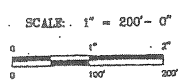




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    - 4). KREBS & LANSING CONSULTING ENGINEERS, INC. WHITCOMB INDUSTRIAL PARK, FINAL PLAT, DATED MAY 1984
    - 5). KREBS & LANSING CONSULTING ENGINEERS, INC. REM CORP. WASTE-WATER SYSTEM, DATED OCT. 1984
  2. SEE SECTION "D" OF PERMIT APPLICATION FOR DETAILS OF REGULATED UNITS.
  3. BUILDING EQUIPPED WITH FIRE SUPPRESSION SYSTEM.
  4. SOURCE OF DATA FOR WATER, GAS AND TELEPHONE, VERMONT GAS SYSTEMS, INC. (SEE NOTE 1.(2))

--- STREAM/INTERMITTENT STREAM	— G — NATURAL GASLINE
- - - - - PROPERTY BOUNDARY	— W — WATER LINE
— 340 — CONTOUR LINE (20 FT INTERVAL)	— T — TELEPHONE
— FLOW DIRECTION	⊕ FIRE HYDRANT
	⊙ PIT VALVE

Figure B-6



REVISIONS

Figure B-7

**US Ecology Burlington**

FIRE CONTROLS, SEWERS, POTABLE WATER AND NATURAL GAS

DRAWN BY JMC	DATE May 11, 1987	PROJ. NO. #2032	DWG. NO.
APPROVED BY CH	SCALE 1" = 200'		RB082032

Figure B-8

Wind Rose

**BURLINGTON VT**

