



Appendix B: Facility Description

B-1	General Description	2
B-2	Topographic Map – General Requirements	2
B-3	Facility Location Information	4
B-3a	Seismic Requirements	4
B-3b	Floodplain Standard	4
B-4	Traffic Information	4
	Attachment B1. City of Rutland Flood Insurance Study	8
	Attachment B-2. Record Drawing Sheet	13

List of Figures

Figure No.	Description	Page
Figure B1	Topographic Map.....	6
Figure B2	Project Area Map.....	7

B-1 General Description

Green Mountain Power (GMP or Company) is an electric utility that serves customers throughout the State of Vermont. To serve its customers efficiently, the Company has a network of operating districts throughout its service territory plus several power production plants. Maintenance operations conducted in these operating districts and plants sustain GMP's electrical distribution system and often result in the generation of federal and state hazardous wastes.

GMP's Greens Hill Lane site primarily serves as Green Mountain Power's electrical maintenance facility. Electrical equipment selected for disposal or in-house repair is sent to this facility from GMP's operating districts for disposition. A gas-turbine generation unit, used during peak electrical demand, and distribution substation are also located on site.

In addition to these activities, a waste storage facility is attached to the end of the Electrical Maintenance Facility. The waste storage facility stores hazardous waste, universal wastes, PCB wastes, used oil, and exempted wastes. These wastes are generated from power generation, transmission, and distribution activities.

The waste storage facility has two 6,000-gallon bulk storage tanks for storing waste transformer mineral oil-contaminated with PCBs, one 6,000-gallon bulk storage tank for storing non-PCB waste transformer oil, and two 5,000-gallon bulk storage tanks for storing new transformer mineral oil. The facility also has a drum storage area that stores containerized wastes and electrical equipment destined for disposal. The facility has two outdoor pump stations and two indoor pump stations that are connected to the facility's bulk transformer oil tanks. Oil-filled electrical equipment can be drained or filled at the two indoor pump stations and tanker trucks may unload or load new or waste oil at the outdoor pump stations.

Wastes generated by GMP and Vermont Electric Power Company (VELCO) are stored in GMP's hazardous waste storage facility. VELCO is a GMP affiliate."

B-2 Topographic Map – General Requirements

A topographic map is provided in **Figure B1**. The map was derived from the U. S. Geological Survey (USGS) 7½-minute Rutland, Vermont quadrant dated 2021. A project area map is provided in **Figure B2**. The following information is provided on the maps:

1. North arrows are included for orientation.
2. Contours on **Figure B1** are at 20-foot intervals and indicate general terrain and surface water flow paths.
3. Contours on **Figure B2** are at 10-foot intervals and indicate general terrain and surface water flow paths.
4. Surface waters near the facility include East Creek to the south and Otter Creek to the west. Surface waters and 100-year floodplain limits are indicated on **Figure B2**. Flood plain information was derived from the Flood Insurance Rate Map for the Town of

Rutland, Vermont dated August 28,2008. The storage facility distance to the 100-year flood plain is indicated on the map also.

5. A wind rose is indicated on **Figure B2**.
6. Property lines and facility boundaries are indicated on **Figure B2**.
7. Surrounding land uses derived from City of Rutland Zoning maps are indicated on **Figure B2**.
8. **Figure B2** presents access control into the facility including: the gated driveway extending from Greens Hill Lane to the north; the closed gate on the abandoned railroad bed to the northwest; seven-foot-high fencing of the perimeter land area; and the East and Otter Creeks.
9. **Figure B2** indicates buildings, structures, sewers, loading and unloading areas, runoff control systems, hazardous waste management units, and traffic patterns.
10. No injection or withdrawal wells are located on site.

B-3 Facility Location Information

B-3a Seismic Requirements

The facility is not located in an area identified in Appendix VI of Part 264.

B-3b Floodplain Standard

Portions of the property bordering East Creek to the south and Otter Creek to the west are within the 100-year floodplain. However, hazardous waste management functions are not located within the 100-year floodplain.

The flood insurance study for the City of Rutland indicates the 100-year elevation at the confluence of the East Creek and Otter Creek as being 531.2 feet (NGVD). All facilities for the storage of hazardous waste are situated above elevation 539.0 feet.

Reproductions of the applicable Floodway and Hydraulic Profiles for East Creek and Otter Creek are provided in Appendix B Attachment B1: City of Rutland, Flood Insurance Study.

B-4 Traffic Information

The Electrical Maintenance Facility is located in an industrial park at the end of Greens Hill Lane. **Appendix B Attachment B2: Facility Diagram** shows the roadways in and around the facility. A private driveway enters the site from the north. This driveway is not open to through traffic. A chain link gate controls access to the site. Once inside the gate, the road continues in a circle around the building allowing access to all areas of the facility. Two-way traffic is permitted.

Greens Hill Lane is a dead-end, two-lane road posted at 25 mph, traveled primarily by vehicles associated with the Rutland City wastewater treatment facility and businesses in the industrial park. It is not a major connector, shortcut or school bus route.

An employee parking lot is located on the north end of the building directly off the entry road. Visitors are required to park in this area and do not drive past the hazardous waste storage areas on the south and southwest ends of the Electrical Maintenance Facility.

Approximately 50 vehicles enter the site each working day, of which approximately 20 are personal vehicles of employees or visitors. Vehicle trips/day is calculated as follows: 18 full-time employees work at the site and contribute 18 round trips to the site in a workday. There are 10 Company vehicles in a garage on site that contribute an additional 10 round trips/day. Visits by other GMP workers to the site account for an estimated 10 trips/day. A tracking system for vehicle visits to the site is not maintained as the function and capacity of the facility has not changed and because of the low density of vehicle trips into the site. Vehicles proceed directly to the parking areas and do not circle the building. Not more than three times each month a box trailer truck enters the site to remove retired electrical equipment or hazardous waste from storage areas. Approximately six times per year tanker trucks

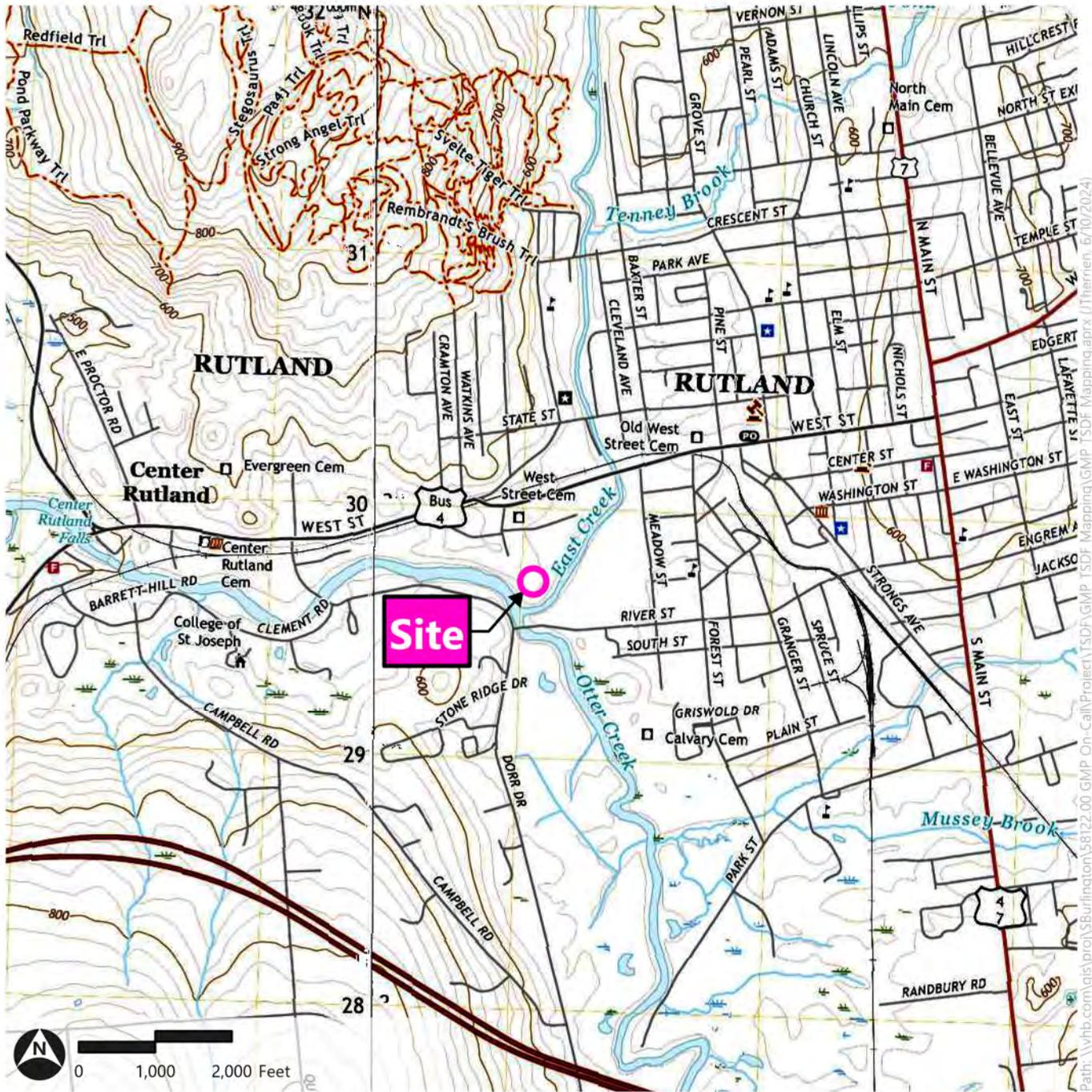
enter the site to deliver or remove bulk mineral oil and waste oil. Because of the small number of vehicles using the road surrounding the building, there are no traffic signs or signals. There is adequate visibility at all points on the road to prevent traffic hazards. Traffic lanes used at the facility for transporting hazardous waste consist of bituminous concrete pavement with a minimum load bearing capacity of HS-20.

Figure B1: Topographic Map

Green Mountain Power (GMP) - TSDF | Rutland, Vermont



June 10, 2024



Site Address:
296 Greens Hill Lane
Rutland, Vermont 05701

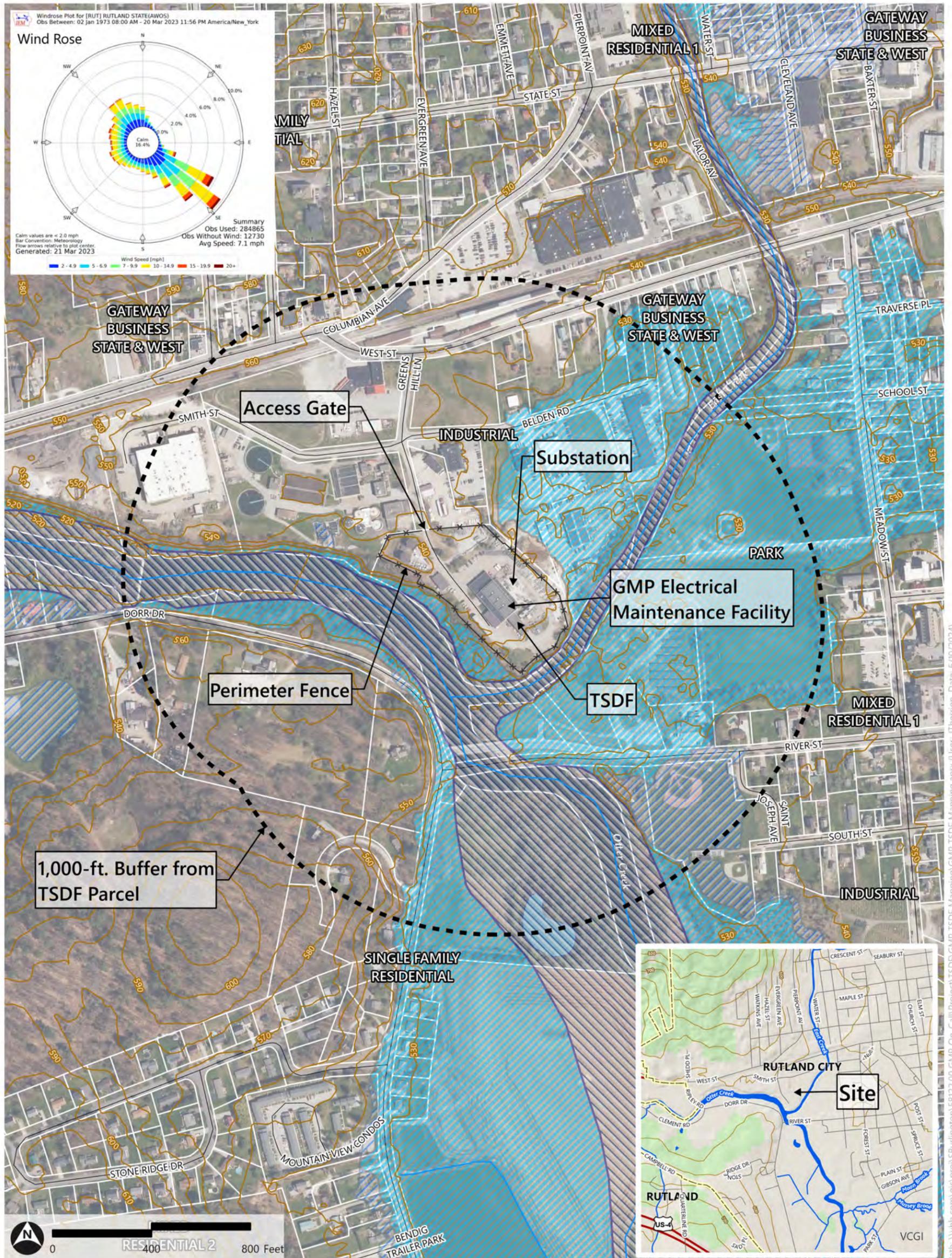
Source: USGS Topo Maps - 1:24,000 Rutland and West Rutland Quadrangles Vermont - Rutland County, 7.5-Minutes Series, 20-ft. Contour Interval (USGS, 2021), VHB (2023).

Figure B2: Project Area Map

Green Mountain Power (GMP) - TSDF | Rutland, Vermont



June 10, 2024



- TSDF Parcel - 1000-ft. Buffer (VCGI/VHB)
- Perimeter Fence (Approx.) (VHB)
- Stream (ANR)
- FEMA Flood Zone (FEMA)
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Regulatory Floodway
- Waterbody (ANR)
- Roads (VTrans)
- Town Road (VTrans)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- 10 ft. Contour (VCGI)

Site Address:
 296 Greens Hill Lane
 Rutland, Vermont 05701

Sources: Background Imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); VHB (Vianasse Hungen Binstler - 2023)

Path: \\vhb.com\gis\proj\SBurlington\58122.00 GMP On-Call\Project\TSDF\GMP TSDF Mapping.aprx (User: JTherrien, Date: 6/10/2024)

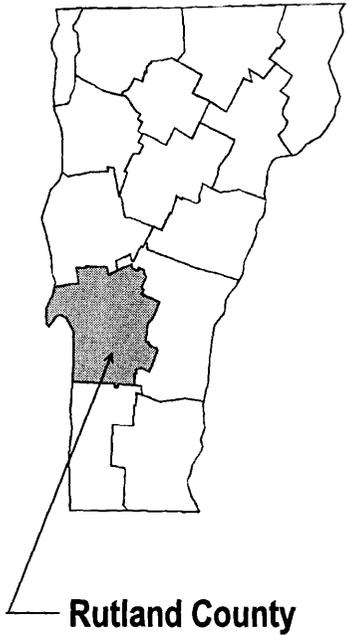
Attachment B1. City of Rutland Flood Insurance Study

FLOOD INSURANCE STUDY



VOLUME 3 OF 3

RUTLAND COUNTY, VERMONT (ALL JURISDICTIONS)



COMMUNITY NAME	COMMUNITY NUMBER
BENSON, TOWN OF	500259
BRANDON, TOWN OF	500090
CASTLETON, TOWN OF	500091
CHITTENDEN, TOWN OF	500092
CLARENDON, TOWN OF	500093
DANBY, TOWN OF	500312
FAIR HAVEN, TOWN OF	500094
HUBBARDTON, TOWN OF	500313
IRA, TOWN OF	500260
KILLINGTON, TOWN OF ¹	500268
MENDON, TOWN OF	500095
MIDDLETOWN SPRINGS, TOWN OF	500261
MT. HOLLY, TOWN OF	500096
MT. TABOR, TOWN OF	500262
PAWLET, TOWN OF	500097
PITTSFIELD, TOWN OF	500263
PITTSFORD, TOWN OF	500098
POULTNEY, TOWN OF	500099
POULTNEY, VILLAGE OF	500266
PROCTOR, TOWN OF	500265
RUTLAND, CITY OF	500101
RUTLAND, TOWN OF	500267
SHREWSBURY, TOWN OF	500102
SUDBURY, TOWN OF	500269
TINMOUTH, TOWN OF	500270
WALLINGFORD, TOWN OF	500103
WELLS, TOWN OF	500271
WEST HAVEN, TOWN OF	500272
WEST RUTLAND, TOWN OF	500104

¹Non-floodprone community

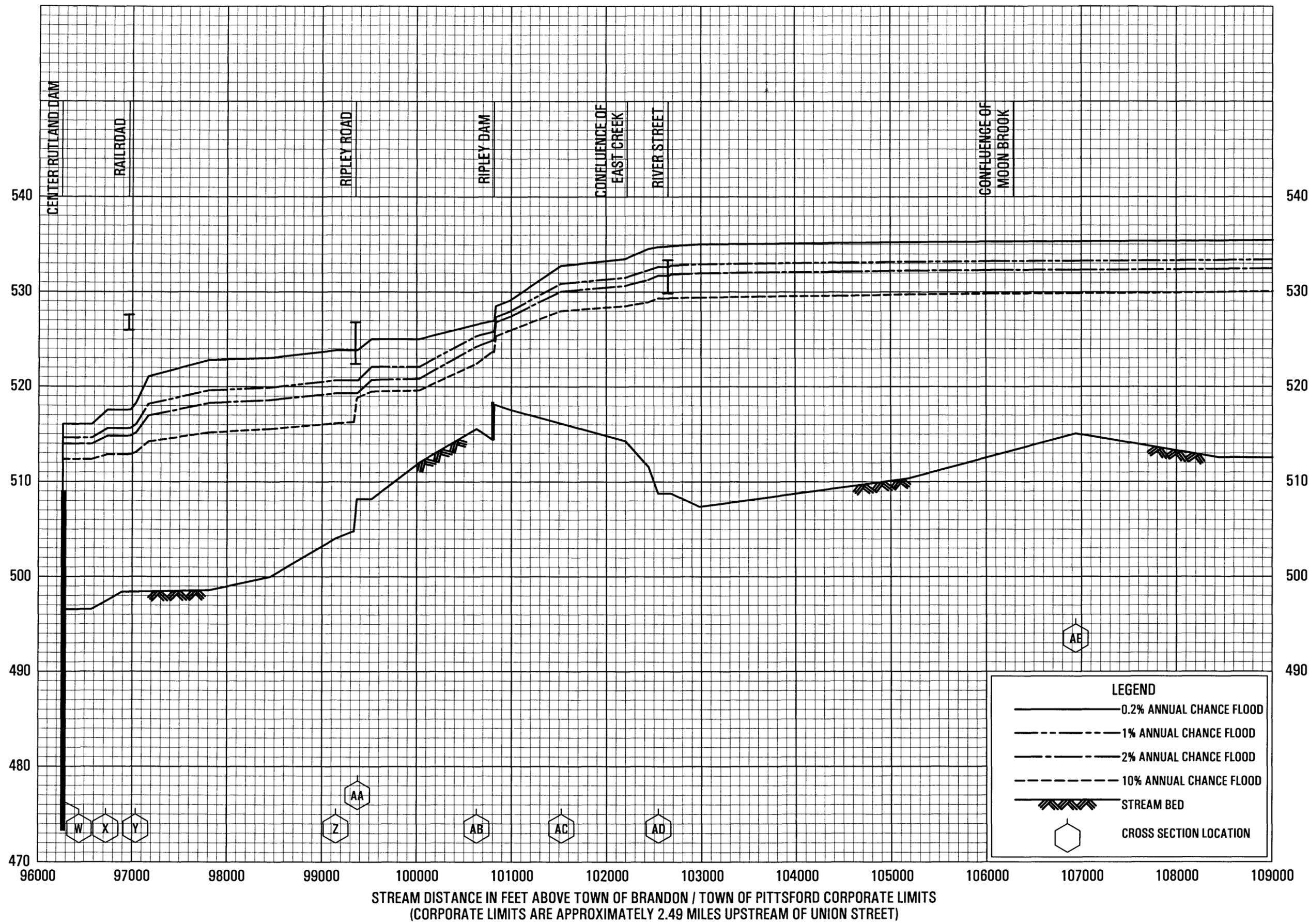
EFFECTIVE:
AUGUST 28, 2008



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
50021CV003A

ELEVATION IN FEET (NAVD 88)



FLOOD PROFILES
OTTER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
RUTLAND COUNTY, VT
(ALL JURISDICTIONS)

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Vermont State Plane, FIPSZONE 4400. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/INGS12
National Geodetic Survey
SSM-C 46222
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was derived from Vermont digital orthophotography, provided by the Vermont Mapping Program, Department of Taxes. These data were produced at a scale of 1:5000 from photography dated May 1994.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.

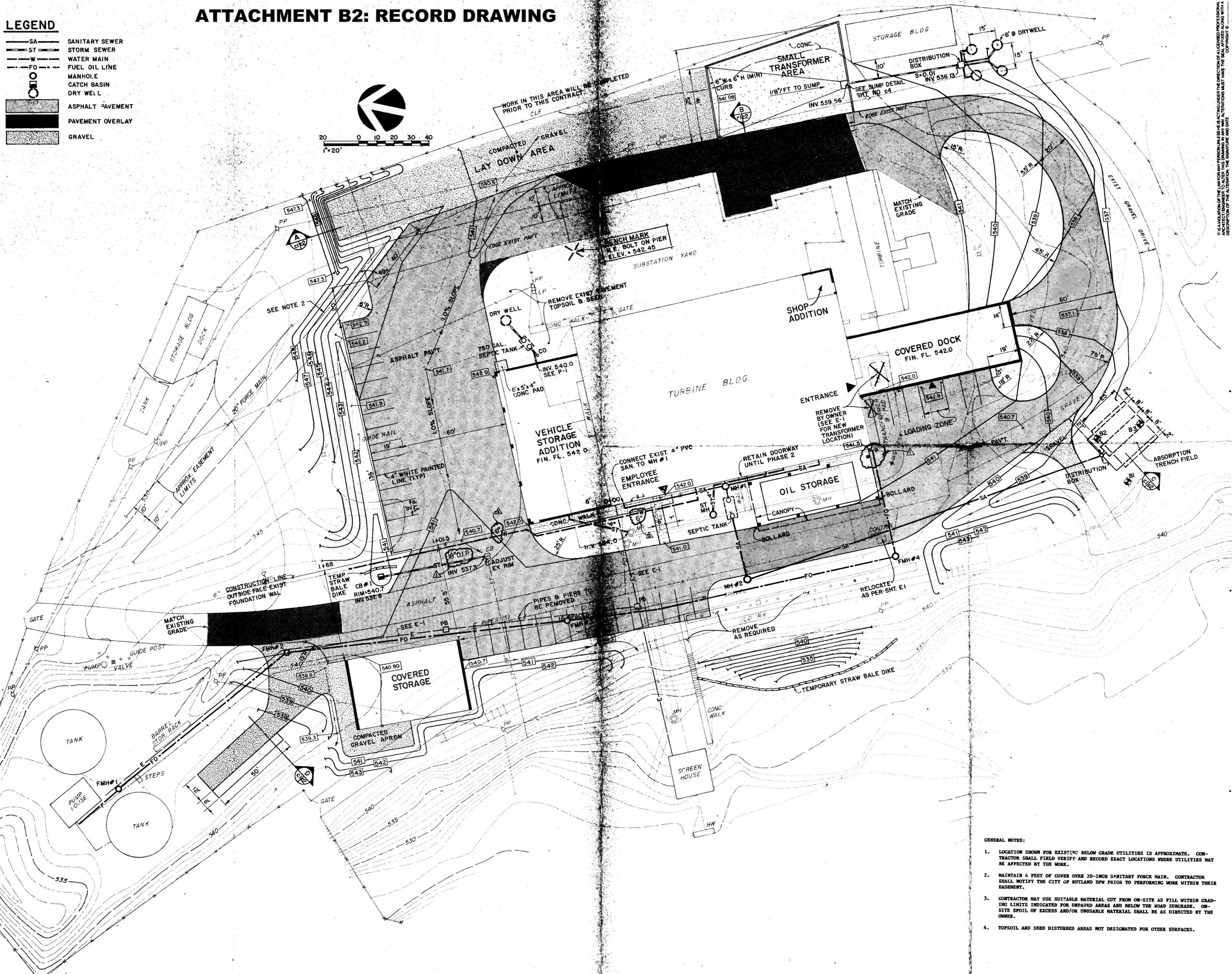
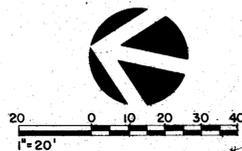


Attachment B2. Facility Site Plan

ATTACHMENT B2: RECORD DRAWING

LEGEND

SA	SANITARY SEWER
ST	STORM SEWER
W	WATER MAIN
FO	FUEL OIL LINE
○	MANHOLE
○	CATCH BASIN
○	DRY WELL
▨	ASPHALT PAVEMENT
▨	PAVEMENT OVERLAY
▨	GRAVEL



- GENERAL NOTES:
1. LOCATION SHOWN FOR EXISTING BELOW GRADE UTILITIES IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND RECORD EXACT LOCATIONS WHERE UTILITIES MAY BE AFFECTED BY THE WORK.
 2. MAINTAIN 4 FEET OF COVER OVER 20-INCH SANITARY FORCE MAIN. CONTRACTOR SHALL NOTIFY THE CITY OF RUTLAND DPW PRIOR TO PERFORMING WORK WITHIN THEIR EASEMENT.
 3. CONTRACTOR MAY USE SUITABLE MATERIAL CUT FROM ON-SITE AS FILL WITHIN GRADING LIMITS INDICATED FOR UNPAVED AREAS AND BELOW THE ROAD SUBGRADE. ON-SITE SPOIL OF EXCESS AND/OR UNSUITABLE MATERIAL SHALL BE AS DIRECTED BY THE OWNER.
 4. TOPSOIL AND SEED DISTURBED AREAS NOT DESIGNATED FOR OTHER SURFACES.

Stetson-Harza
A HARZA COMPANY



Central Vermont Public Service Corporation
FACILITY RENOVATIONS



PROJECT NO.	4214
CONSTRUCTION	W-T-T
ADDITIONAL	9-1-88 W-T-T
REVISION	DATE BY
DATE	8-1-88
DRAWN BY	LRM
CHECKED BY	CEG
APPROVED	CEG
SCALE	1"=20'

SHEET TITLE
SITE PLAN

SHEET NO.
c1

RECORD DRAWING