ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Route 22, Eastside, Site No. 314032
Town of Dover, Dutchess County

DATE: October 1989

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, *Commissioner*

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., P.E., *Director*

By:

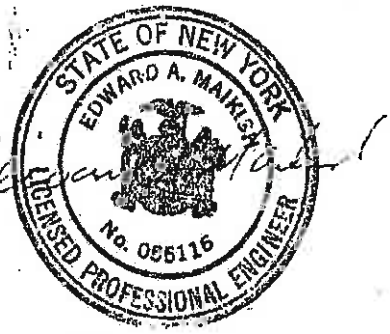
Lawler, Matusky & Skelly Engineers

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES IN THE STATE OF NEW YORK PHASE I INVESTIGATIONS

ROUTE 22 EASTSIDE
Town of Dover
Dutchess County
NYSDEC I.D. No. 314032

Prepared For:

DIVISION OF HAZARDOUS WASTE REMEDIATION
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road
Albany, New York 12233-0001



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October 1989

LMSE-89/0571&576/021

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CHAPTER 1

EXECUTIVE SUMMARY

The Route 22 Eastside site is located on Route 22 in the Village of Dover Plains, in the Town of Dover, Dutchess County, New York (Figure 1-1). The fill area is less than 2 acres in size and lies between Route 22 on the west side and the Penn-Central Railroad on the east side. It is 100 ft west of the Valley View Cemetery, 350 ft south of Wells Brook, and 400 to 800 ft south of Stone Church Brook (Figure 1-2).

From the mid-1940s to the early 1960s the site was used as a municipal landfill for household refuse. Residents carted their refuse and dumped it into the marshy depression, usually covering it with soil. There is no record of hazardous waste ever being disposed of at the site and apparently there are no sampling results for the site. Potable water is supplied by groundwater through private and public wells as close as 1000 and 2200 ft, respectively.

The property is owned by Mr. Richard Rennia and Mr. Robert Keller of Dover Plains (Table 1-1). The current owners have excavated the southern property banks and used the excavated soil to level the marshland and as cover material for the landfill. Off-site soils from construction sites were also used as cover and fill material.

The landfill was inspected on 1 September 1988 during a Phase I investigation by Lawler, Matusky & Skelly Engineers (LMS) under contract to the New York State Department of Environmental Conservation (NYSDEC). The site was well vegetated and no evidence of

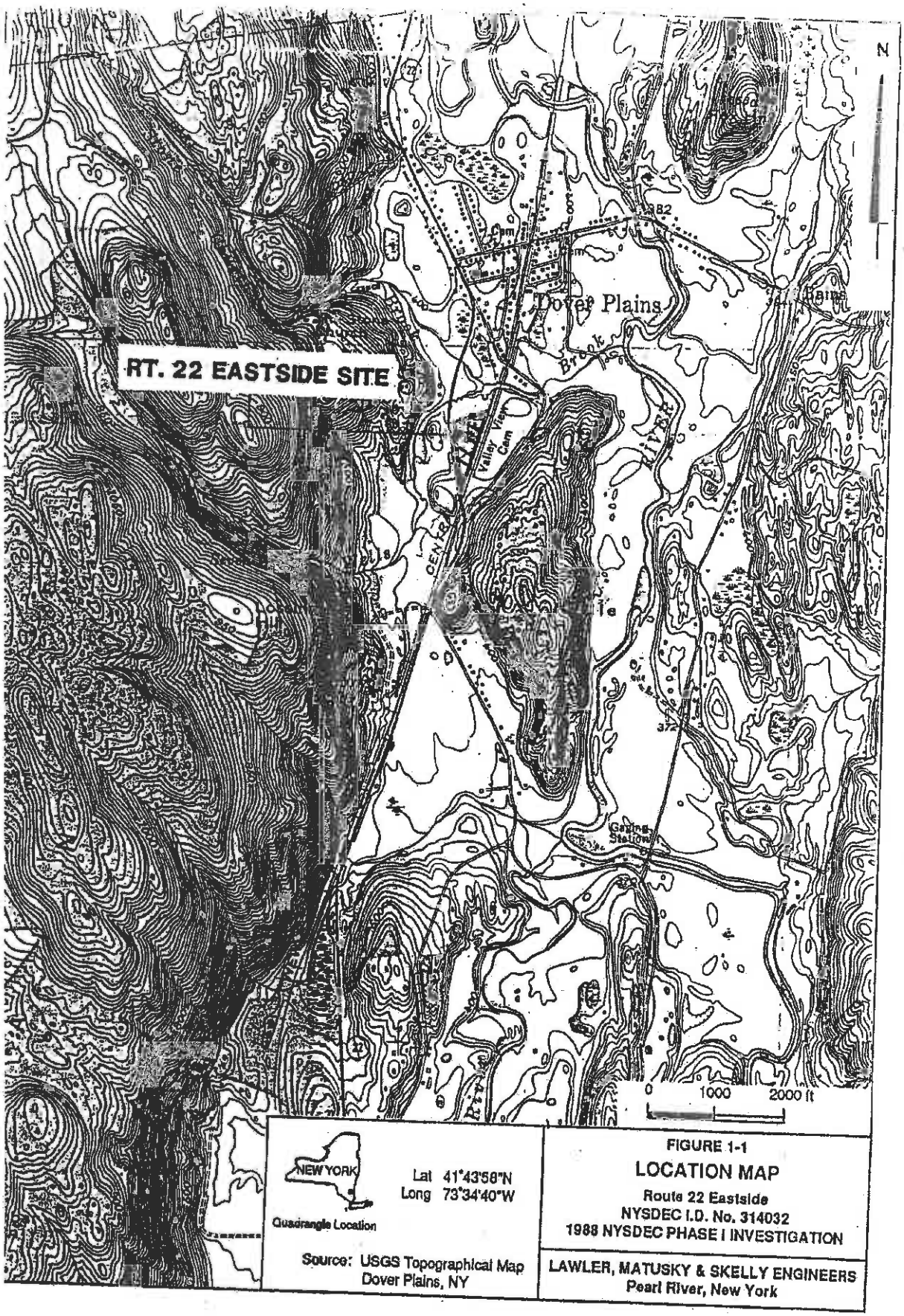
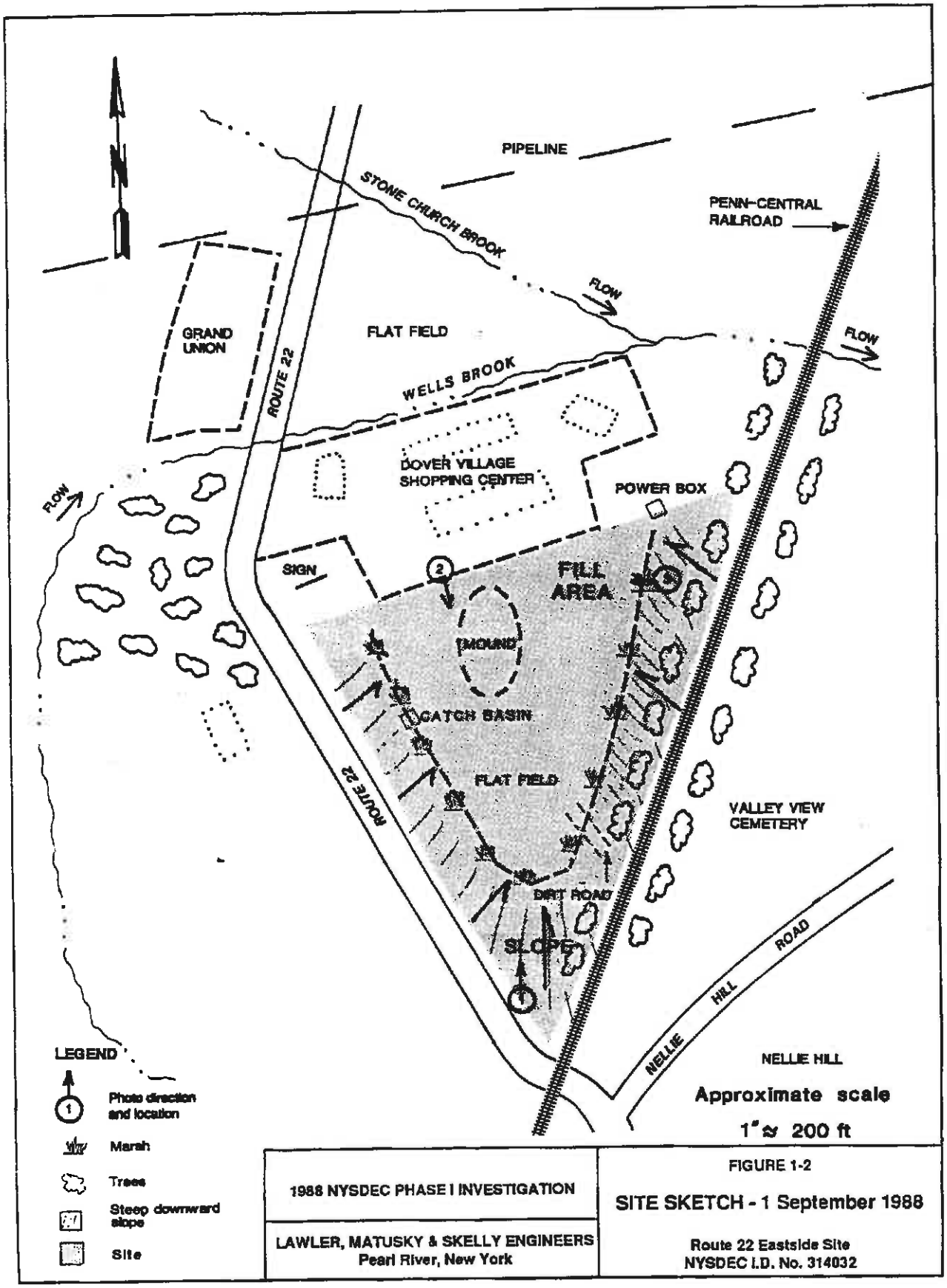


FIGURE 1-1

LOCATION MAP

Route 22 Eastside
NYSDEC I.D. No. 314032
1988 NYSDEC PHASE I INVESTIGATION

LAWLER, MATUSKY & SKELLY ENGINEERS
Pearl River, New York



1988 NYSDEC PHASE I INVESTIGATION	FIGURE 1-2 SITE SKETCH - 1 September 1988
LAWLER, MATUSKY & SKELLY ENGINEERS Pearl River, New York	Route 22 Eastside Site NYSDEC I.D. No. 314032

stressed vegetation was found. The property is a level, open field bordered by steep, upward slopes to the south, southeast, and southwest, and is easily accessible to the public (Photos 1-1 through 1-3).

During the Phase I effort, information and data on the site were compiled from state, Federal, county, and municipal offices as well as private concerns. General information on the area was obtained from the LMS library, a 1 September 1988 inspection of the site, and interviews with personnel associated or acquainted with the site's history and/or operations. All of the collected material was reviewed in preparing this report, which provides a history, preliminary assessment, and preliminary score of the site based on the U.S. Environmental Protection Agency's (EPA) Hazard Ranking System (HRS).

EPA uses the HRS to apply uniform technical judgment in evaluating the relative hazards presented by sites being considered for Federal Superfund remediation. The HRS addresses only relative hazard. It does not assess the feasibility, desirability, or degree of cleanup required, nor does it address all potential environmental or health impacts.

Under the HRS three numerical scores are computed for each site to express the relative risk or danger from the site, taking into account the population at risk; the hazardous potential of substances found at the site; the potential for contamination of drinking water supplies, for direct human contact, and for destruction of sensitive ecological systems; and other appropriate factors. The three scores are:

- S_M, reflecting the potential for harm to humans or the environment from migration of a hazardous

substance from the facility by groundwater (S_{GW}), surface water (S_{SW}), or air (S_A). It is a composite of separate scores for each of the three routes.

- S_{FE}, reflecting the potential for harm from substances that can explode or cause fires.
- S_{DC}, reflecting the potential for harm from direct contact with hazardous substances at the facility.

The preliminary HRS scores for the Route 22 Eastside site are as follows:

$S_M = 0$ ($S_{GW} = 0$; $S_{SW} = 0$; $S_A = 0$)

S_{FE} = NS*

$S_{DC} = 0$

The low scores are due to a lack of information on the presence of hazardous wastes at the site. The fire and explosive route was not scored because the site has not been certified by a state or local fire marshal as a threat from fire and explosion, nor did field measurements by an explosimeter demonstrate any threat from fire or explosion.

It is suggested that this site be a candidate for delisting and that NYSDEC should take no further action. If NYSDEC requires additional information before delisting, it is recommended that one or two soil boring samples be collected through the fill and analyzed for hazardous parameters.

*NS - Not scored/no score.

DEEP TEST RESULTS

DUTCHESS COUNTY HEALTH DEPARTMENT

Date: November 15, 2006

Name of property: Dover Village Bank / Pharmacy Expansion (T)(~~V/C~~) Dover

TAX GRID #

0	4	7	0	6	3	0	0	5	6	2	2	5	8

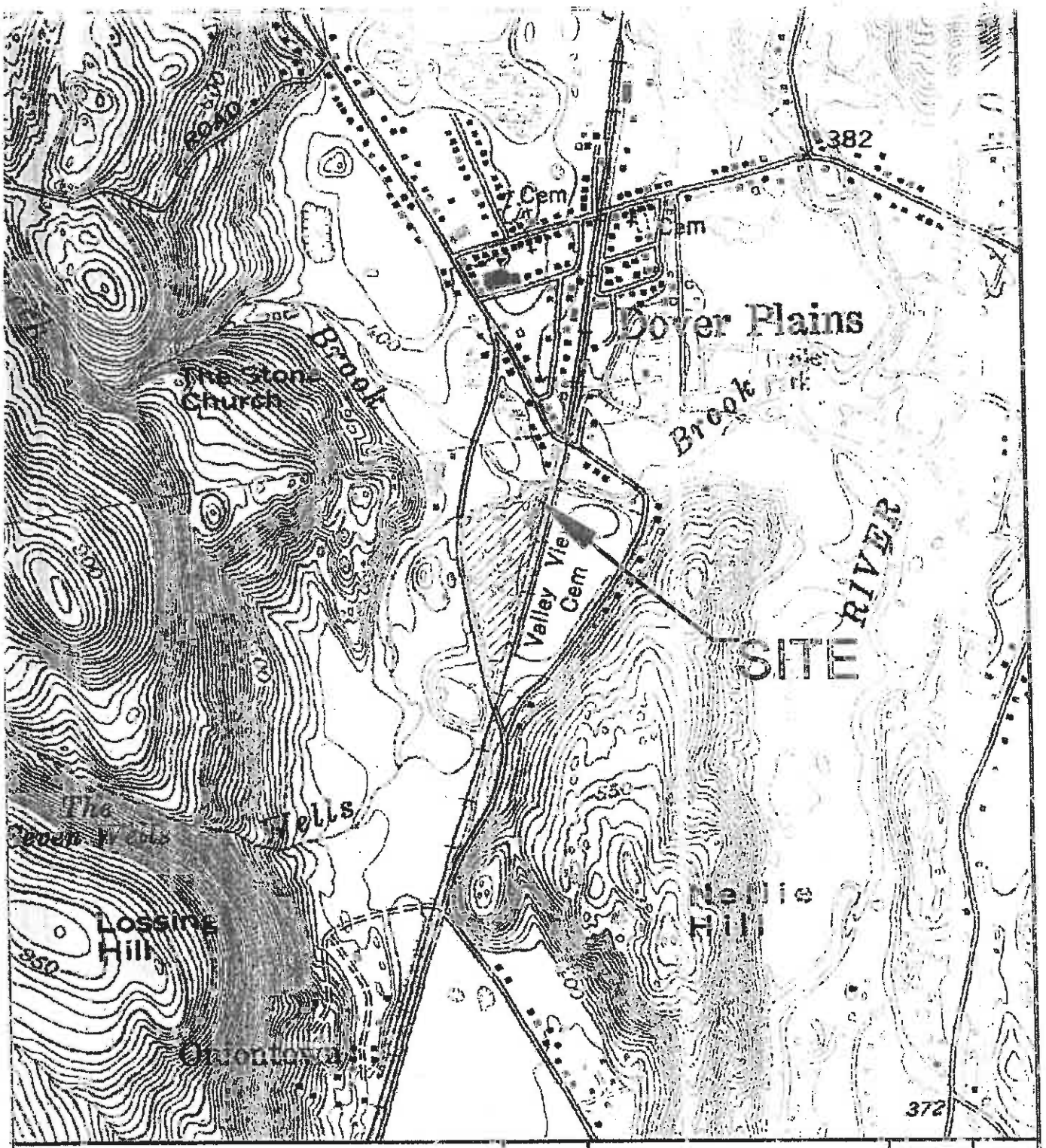
Owner of property: Richard Rennia / Robert Keller
Person directing test: Richard A. Rennia, Jr., P.E.

Engineer: Richard A. Rennia, Jr., P.E.
DCHD Rep: Ronald Miller, P.E.

HOLE #	LOT #	TOTAL DEPTH	ROCK DEPTH	WATER DEPTH	MOTTLING DEPTH	SOIL DESCRIPTION
1		84"	--	--	--	0 - 24" Coarse Sand
						24" - 54" Silty Clay
						54" - 84" Blue Clay
2		84"	--	77"	--	0 - 17" R-O-B Gravel
						17" - 54" Silty Gravel
						54" - 60" Roots / Brush
						60" - 84" Blue Clay
3		84"	--	--	--	0 - 24" R-O-B Gravel
						24" - 84" Silty Gravel
4		84"	--	60"	--	0 - 28" R-O-B Gravel
						28" - 84" Silty Gravel

General remarks (terrain; weather; springs, streams, etc.)

HD-185



REV. No.	DESCRIPTION	DATE	BY

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DOVER VILLAGE STP

TOWN OF DOVER — DUTCHESS COUNTY, NY

LOCATION MAP

DOVER PLAINS, NY QUADRANGLE — DWG 1-2

DATE	SCALE		FILE No.
3/30/05	1"=1000'	DESIGNED BY: JH DRAWN BY: JH CHECKED BY: THH	204109