

**NEW YORK STATE
SITE REGISTRY DELISTING PETITION
FOR THE
BETHPAGE FEDERAL CREDIT UNION PROPERTY
BETHPAGE, NEW YORK**



**PREPARED FOR THE
GRUMMAN AEROSPACE CORPORATION**

FEBRUARY, 1993

fanning, phillips & molnar

ENGINEERS

RONKONKOMA

NEW YORK

Grumman Aerospace Corporation

Bethpage, New York 11714-3582

February 12, 1993

Mr. Thomas Jorling, Commissioner
NYS Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233

RE: Petition to Delist
Bethpage Federal Credit Union Site
Part Of Site No. 1-30-003

Dear Mr. Marino:

I am pleased to submit three copies of the above-referenced report for your review.

The Bethpage Federal Credit Union site has been included as part of the Grumman Aerospace-Bethpage Facility Inactive Hazardous Waste Class 2 Site No. 1-30-003.

Through research of the site history, a site inspection, and analysis of data from contiguous parcels, there has been no reason found to conclude that the Bethpage Federal Credit Union presents a "significant threat to the public health or environment" or that "action is required" as per the criteria for listing a site as a Class 2 Inactive Hazardous Waste Site.

Since no hazardous waste activities are known to have been conducted at this site, we request that this site be considered for delisting from the NYSDEC Site Registry List and appropriate modifications to the map depicting the Superfund site be performed.

Very truly yours,

GRUMMAN CORPORATION



J. Ohlmann, P.E., Director
Corporate Environmental Technology
and Compliance
Mail Stop: D08-GHQ

JO:crc
Enclosure

cc: Kelley Reilly (w/enclosures)
Robert Kearney (w/enclosures)
Robert Marino (w/enclosures)

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A	Building Permits
B	Nassau County Health Department File Request Form
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DISCLAIMER

These findings are based upon a detailed sampling procedure that has been formulated in accordance with sound technical procedures both for sampling and for laboratory analysis (USEPA where appropriate). Conclusions from this data are limited to those areas focused on in the study and represent our best judgement using analytical techniques and our past experience. Even though our investigation has been scientific and thorough, it is possible that certain areas of this site may pose environmental concerns that as yet are undiscovered. In addition, environmental regulations may change in the future and could have an effect on our conclusions.

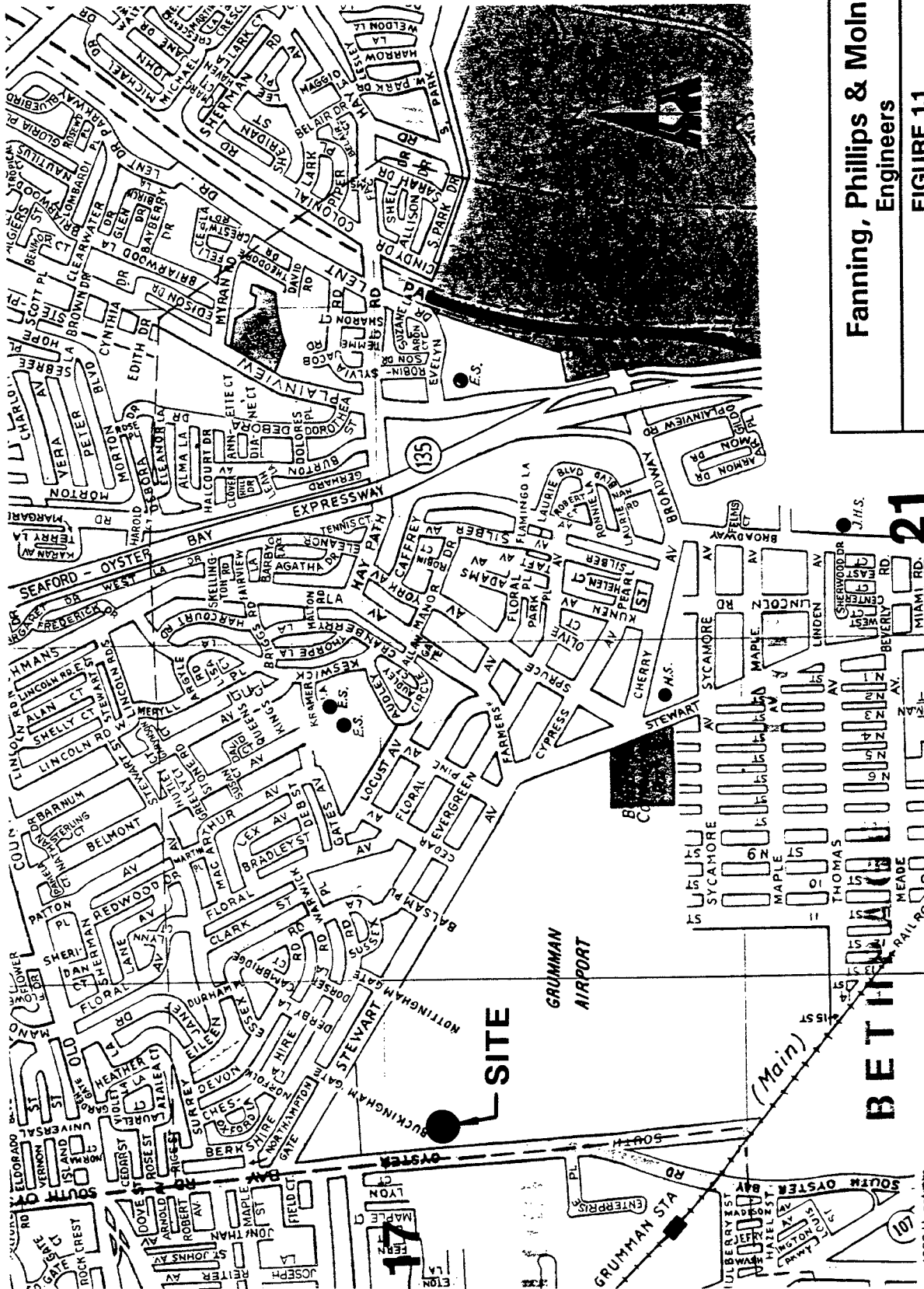
SECTION 1.0 INTRODUCTION

Fanning, Phillips and Molnar was retained by Grumman Aerospace Corporation, to prepare a delisting petition for the Bethpage Federal Credit Union (BFCU) site located at 899 South Oyster Bay Road in Bethpage, Suffolk County, New York (see Figure 1.1 for site location). The site is approximately 6.3 acres in size and consists of the BFCU building, a parking area, and undeveloped land at the east end of the site. The BFCU building and the parking area are currently owned by the Bethpage Federal Credit Union, and the undeveloped land is owned by Grumman Aerospace Corporation, Bethpage, New York.

This report will present the information required for delisting petitions as set forth by the New York State Department of Environmental Conservation (NYSDEC) (see Table 1.1 for NYSDEC responsible party petition information).

The site is located within the boundaries of New York State Superfund site #1-30-003. However, as it will be shown in this report, the BFCU site has never been associated with hazardous waste activities and, therefore, it is requested that the NYSDEC consider this site for delisting and provide appropriate modifications to the map depicting the Superfund site.

The history of the BFCU site ownership and land use, regulatory compliance records, hydrogeologic setting and water resources of the BFCU site and vicinity, the facility operations, and environmental conditions will be presented.



Fanning, Phillips & Molnar
Engineers

FIGURE 1.1
LOCATION OF BETHPAGE FEDERAL
CREDIT UNION SITE.
BETHPAGE, NEW YORK

Drawn By: JAT Checked By: JAT Date: 1/13/73

TABLE 1.1
NYSDEC RESPONSIBLE PARTY PETITION INFORMATION

Information to be included in Petitions:

1. Site name and owner (past and present) (see pages 1, 4)
2. Site number (see page 1)
3. Site location, city, county, state (see page 1)
4. Size, if known (see page 1)
5. Boundaries, with map or sketch including sampling locations clearly marked where appropriate. (see pages 5, 14, 15, and 23)
6. Nature of operation (past and present), and the operation's contribution to hazardous waste disposal, if any. (see page 22)
7. History of ownership, private, public, bankrupt, permitted (by which agency or program), whether it is currently operating (how long) or closed (how long), etc. (see page 4)
8. History of investigations conducted at the site for hazardous waste disposal, with copies of pertinent data and information from those investigation reports. (see pages 13 through 21)
9. Waste present, types, amounts, disposal practices, etc. (see page 22)
10. Resources affected (groundwater, surface water, wetlands, etc.) (not applicable)
11. Demographic information (not applicable)
12. Geographic information (aquifers, surface water, soils, etc.) (see pages 10 through 12)
13. Cleanup actions, if they were needed and any agency approvals (not applicable)
 - a. P.E. certification that states that the site has been remediated and/or does not have any hazardous waste on it or that the waste came from an off-site source (must be a known source).
 - b. Analytical data submitted from representative samples from a reputable laboratory indicating that there is no hazardous waste or that any hazardous waste remaining on the site is within acceptable limits.
 - c. Documentation indicating, where appropriate, that all terms and conditions of consent order have been met.
14. Basis for delisting, reclassification or modification. (see pages 24 and 25)

SECTION 2.0 HISTORY OF PROPERTY OWNERSHIP AND LAND USE

This section of the report will present a summary of the site ownership and land use. Information has been obtained from the Nassau County Titles and Deeds Department, the Town of Oyster Bay Building Department, the Town of Oyster Bay Planning Department, Grumman Aerospace Corporation, Bethpage Federal Credit Union, Aerographics Corporation, and Lockwood, Kessler and Bartlett, Inc.

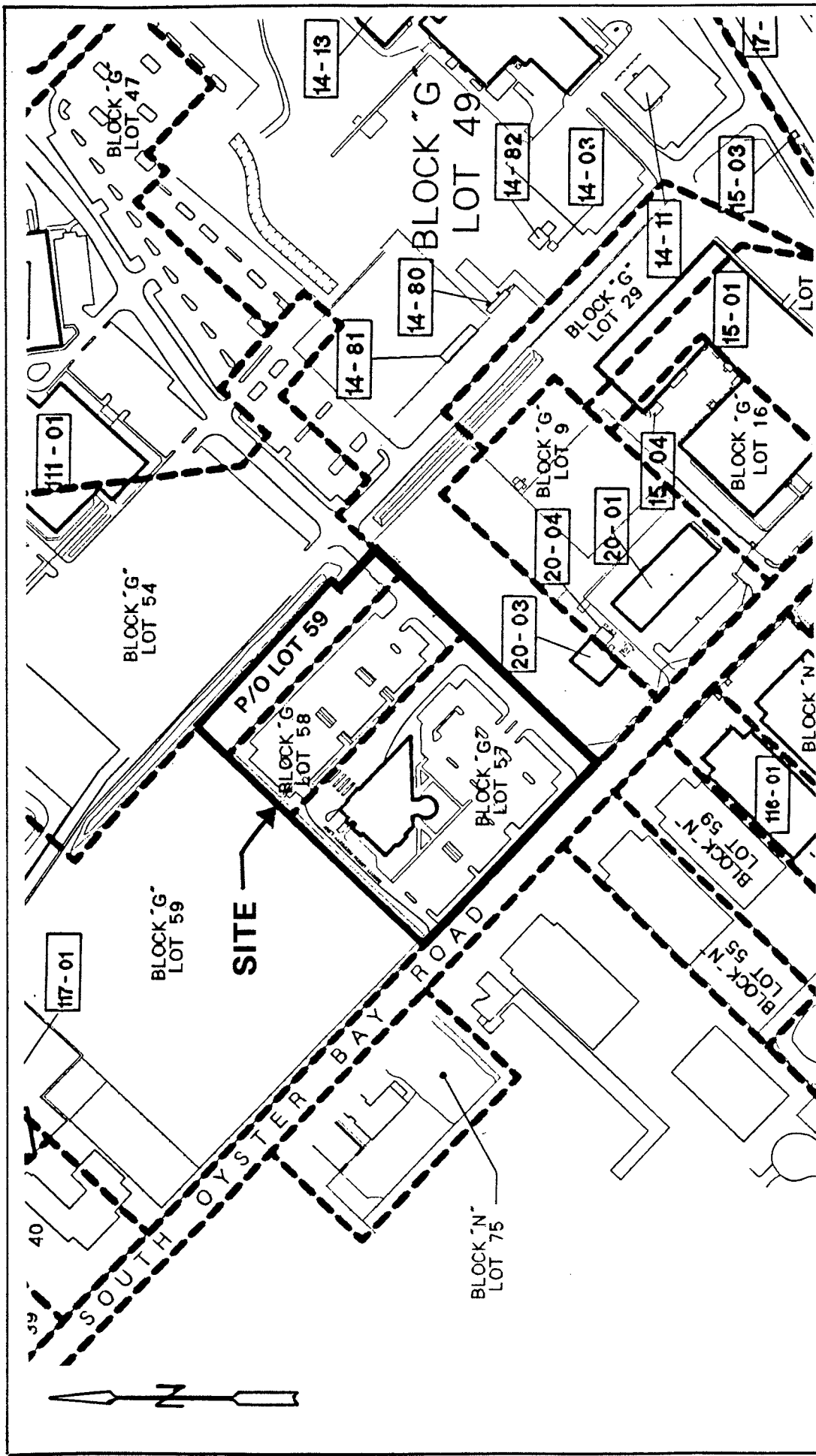
2.1 Titles and Deeds

The Nassau County Department of Titles and Deeds was contacted to identify past and present owners of the site. The site is identified with the following tax map number: Section 46, Block G, Lots 57, 58, and part of 59 (see Figure 2.1.1 for Tax Map). Lot 59, located contiguous and to the northwest of the site, contains a "leg" which extends contiguous and parallel to Lot 58. This portion of Lot 59 has been included as part of the site to maintain a more regular geometry of the parcels. The balance of Lot 59, known as the Ballfield, has previously been delisted by the NYSDEC and will be discussed later in this report.

At present, Lot 57 is owned by the BFCU. BFCU purchased the lot from Grumman Aerospace Corporation in August, 1986. Lot 58 is owned by Paumanock Development Corporation (a subsidiary of Grumman) who purchased the lot from Grumman Aerospace Corporation in August, 1986. BFCU is currently leasing the lot from Paumanock Development Corporation. Lot 59 is owned by Grumman Aerospace Corporation.

2.2 Building Permit History

The Town of Oyster Bay Building Department was visited and the



LEGEND:

— BOUNDARY OF SITE AREA

SOURCE: GRUMMAN AEROSPACE CO.

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FIGURE 2.1.1

TAX MAP OF THE SITE & VICINITY

Drawn By: H.C.

Checked By: M.T.

Date: 12/24/92

files for the BFCU site were reviewed. Pertinent files which include the building and facility permits were obtained (see Appendix A for building permits). These files indicate that the building permit for the BFCU building and parking spaces was granted in September, 1986; a sewer connection permit was granted in June, 1988; and the building permit for a 275-gallon diesel tank was granted in July, 1988. A certificate of occupancy for the BFCU building was granted in June, 1988. No building permits were on record for Lot 59 east of the BFCU facility and this portion of Lot 59 remains undeveloped.

2.3 Aerial Photograph Review

Aerial photographs for the years 1950, 1957, 1969, 1976, 1985, and 1990 were obtained from Aerographics Corporation and Lockwood, Kessler and Bartlett, Inc. The aerial photograph information summary is as follows:

- 1950: The site appears undeveloped. Stewart Avenue and South Oyster Bay Road are visible in the photo.
- 1957: This photo shows that the land north of the BFCU site has been converted to a ballfield. Areas adjacent to the site remain undeveloped. Residential development has taken place north of Stewart Avenue. In addition, a berm is present along the eastern property line in this photo.
- 1969: This photo shows no significant changes occurring at the site. Commercial development has taken place west and south of the site on South Oyster Bay Road. In addition, a parking area was constructed immediately south of the site.
- 1976: No significant changes were noted at this site compared to the 1969 photo.

- 1985: No significant changes have occurred at the site and the surrounding area compared to the 1976 photo. The berm, located at the east end of the site, appears to be in the process of being converted to a road. In addition, the parking area of the Grumman headquarters has extended to the east end of the BFCU site.
- 1990: This photo shows that the site is now occupied by a building (the BFCU building), a parking area, and an undeveloped section at the east side of the site. The surrounding areas (east, west, and south) contain commercial buildings and the ballfield north of the site is present. The berm at the eastern property line has been replaced by an asphalt-paved road.

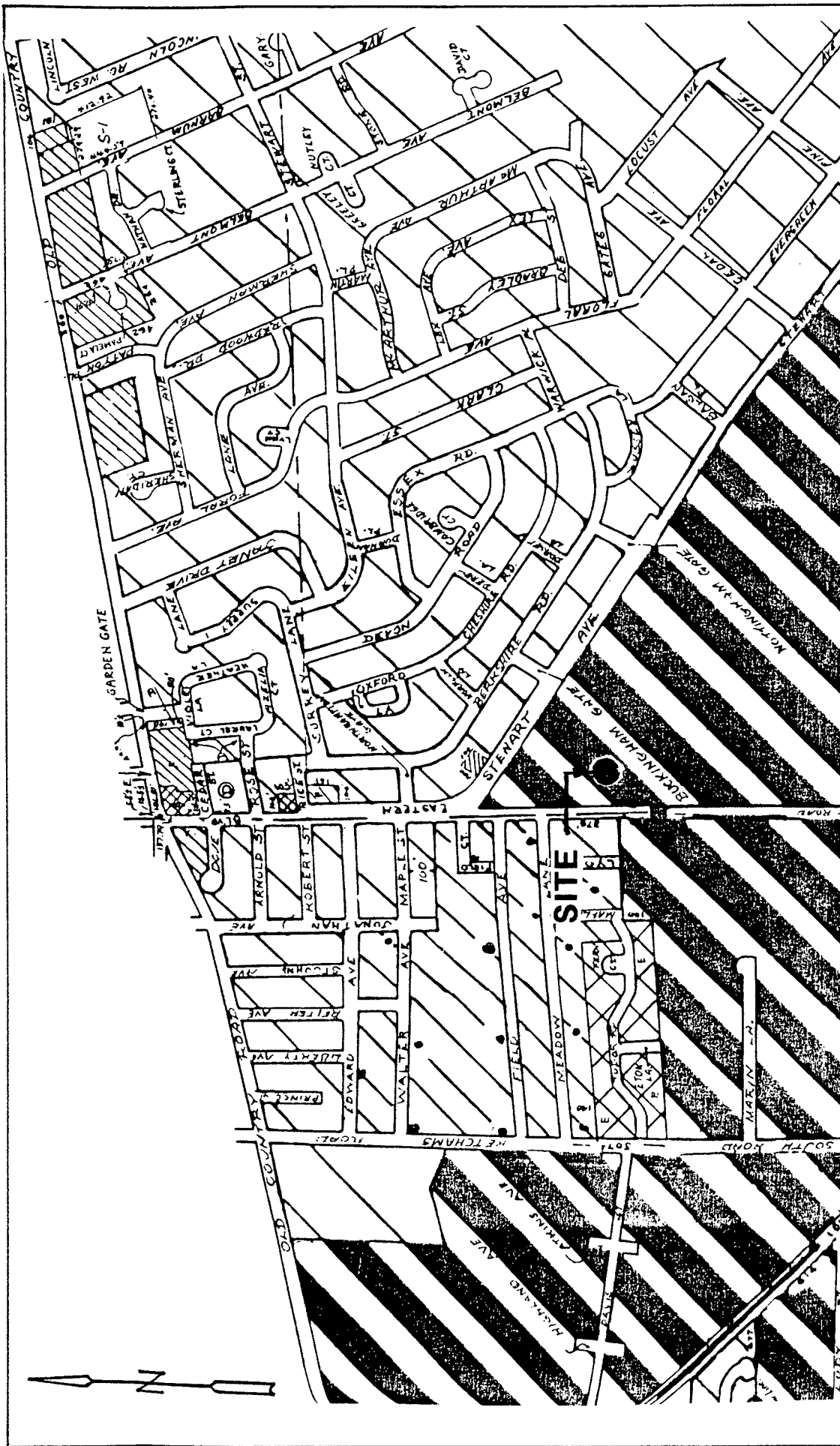
To summarize, the building and the parking area at the west and middle sections of the site were constructed between 1985 and 1990 based on the aerial photos. No buildings or other structures were found to exist on the site prior to the presently-existing BFCU building. The east side of the site and the ballfield north of the site remain undeveloped.

2.4 Zoning Map Review

The Town of Oyster Bay Planning Department provided the current zoning map for the Hamlet of Bethpage (see Figure 2.4.1 for zoning map). The site is zoned light industrial and is surrounded by areas zoned as light industrial. Residentially-zoned areas exist generally to the north of the site.

2.5 Regulatory Agency File Review

To determine the regulatory compliance history of BFCU site, files



Fanning, Phillips & Molnar Engineers		
FIGURE 2.4.1		
ZONING MAP OF SECTION 46, BETHPAGE		
Drawn By: H.C.	Checked By: M.T.	Date: 12/28/92

LEGEND:

● SITE LOCATION

NOTE: BLACK STRIPED AREAS ARE ZONED LIGHT INDUSTRIAL.
ALL OTHER AREAS ARE ZONED RESIDENTIAL

were requested and reviewed from the Nassau County Department of Health (NCDH), Nassau County Fire Marshal (NCFM), and the New York State Department of Environmental Conservation (NYSDEC).

The NCDH had no records for the site (see Appendix B for files request form). The NCFM was contacted and one record was on file which showed the registration for an aboveground 275-gallon diesel fuel tank located at the lower level of the BFCU building (see Appendix C for registration information).

The NYSDEC Chemical Spills Information Database was utilized to review spill records for the BFCU site. This database contains spills occurring since April, 1986 and up until May, 1992. No chemical spills were recorded for the BFCU site.

SECTION 3.0 HYDROGEOLOGIC SETTING AND WATER RESOURCES

3.1 Hydrogeologic Setting

The regional geology of the Bethpage area was derived from US Geological Survey Paper #1825 entitled, "Geology and Hydrology of Northeastern Nassau County, Long Island, New York (Ibister, 1966)". In the vicinity of the site, the geology consists of a basement layer of Precambrian-age bedrock which occurs at a depth of approximately 1000 feet below mean sea level (MSL).

Overlying the bedrock is a series of unconsolidated glacial deposits which consist of (in ascending order): the Lloyd Sand which is a stratified deposit consisting of discontinuous layers of sand, gravel, sandy clay, silt, and clay. The upper surface of the Lloyd Sand occurs at approximately 720 below MSL; the Raritan Clay which consists chiefly of gray, red, white, and blue clay and silty clay, and lenses of sand and gravel. The upper surface of the Raritan Clay occurs at approximately 580 below MSL; the Magothy Formation which consists chiefly of interbedded gray and white fine sand and clayey sand and black, gray, white, and some red clay. Gravelly zones are common at the bottom of the formation but are rare in the upper part. The upper surface of the Magothy Formation is estimated to occur between 50 and 100 feet below the ground surface; and, the Upper Glacial Formation which, in the Bethpage area, is composed primarily of outwash deposits consisting of well-sorted, stratified, sand and gravel. The Upper Glacial deposits are the uppermost unit and are estimated to be approximately 50 to 100 feet thick in the site vicinity.

Based on the US Geological Survey Paper 82-4056 entitled, "Geology

of the "20-foot" Clay and Gardiners Clay in Southern Nassau and southwestern Suffolk counties, Long Island, New York (Doriski and Wilde-Katz, 1982)", neither the 20-foot nor the Gardiners Clay appear to exist under the BFCU site.

The groundwater beneath the BFCU site is recharged through infiltrating precipitation. The infiltrating precipitation accumulates above the bedrock and constitutes aquifers which correspond to the permeable geologic units. The ground surface elevation in the BFCU site vicinity is approximately 150 above MSL. The depth to water is approximately 75 feet. Therefore, the elevation of the water table in the vicinity of the site is approximately 75 feet above MSL.

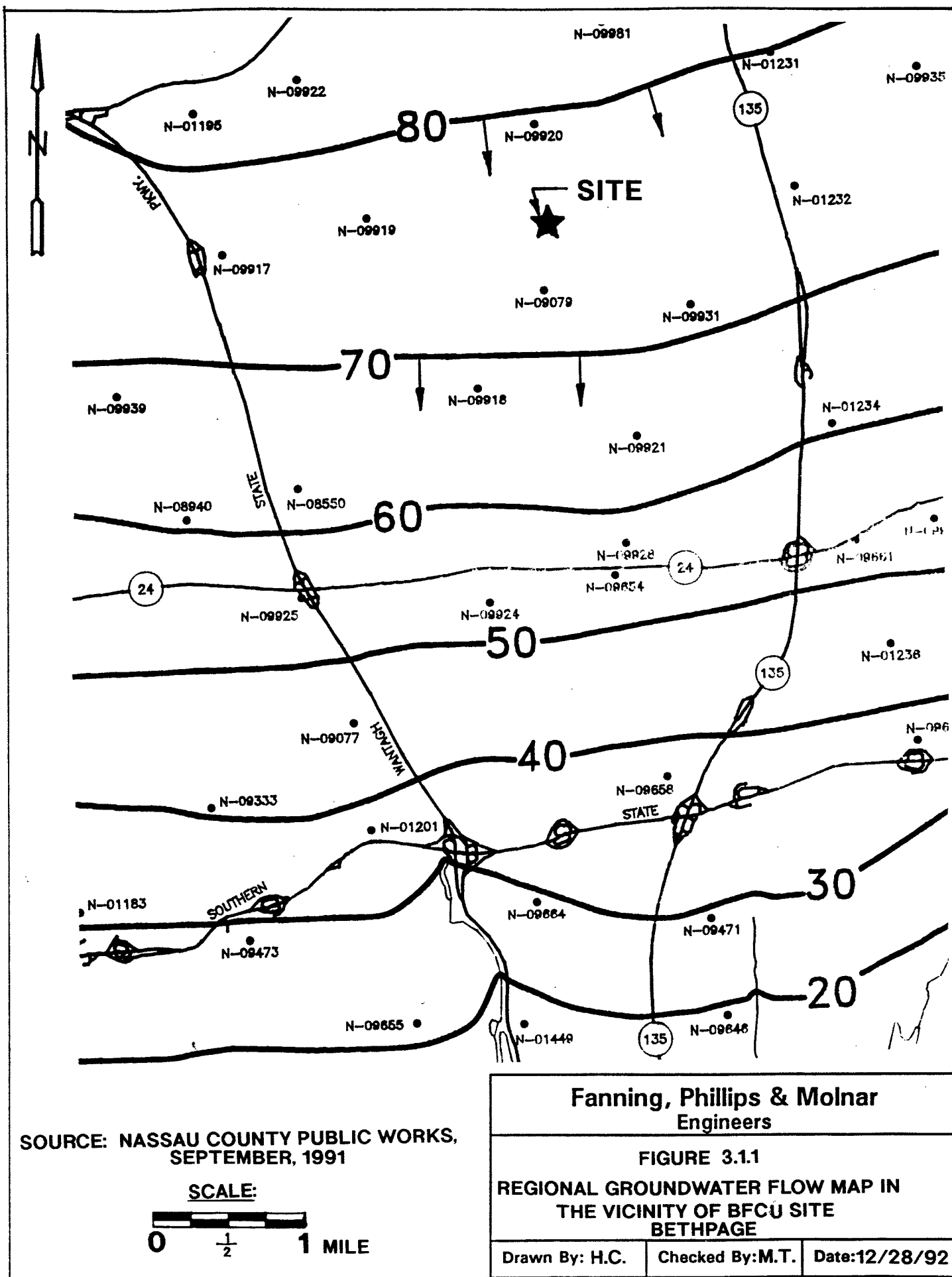
The groundwater flow direction across the site was ascertained from the Nassau County Water Table Elevation Map from June, 1991 (see Figure 3.1.1). The map shows that the groundwater flow direction in the vicinity of the BFCU site is generally south-southeast.

3.2 Topography and Drainage

The BFCU site is located on outwash plain deposits. The generalized surficial drainage, based on the US Geological Survey Quadrangle Map for the site, is from north to south, however, the gradient in the vicinity of the site is very low (approximately 10 feet per mile). There are no wetlands, lakes, or streams in the site vicinity. All surface water runoff infiltrates pervious areas or is collected by catch basins.

3.3 Soils at the BFCU Site

The surface soil type was determined to be Hempstead Silt Loam based on the Soil Survey of Nassau County (1987). This soil type is very deep and well drained. This soil has moderate permeability (0.6 to 2.0 inches) and high water capacity.



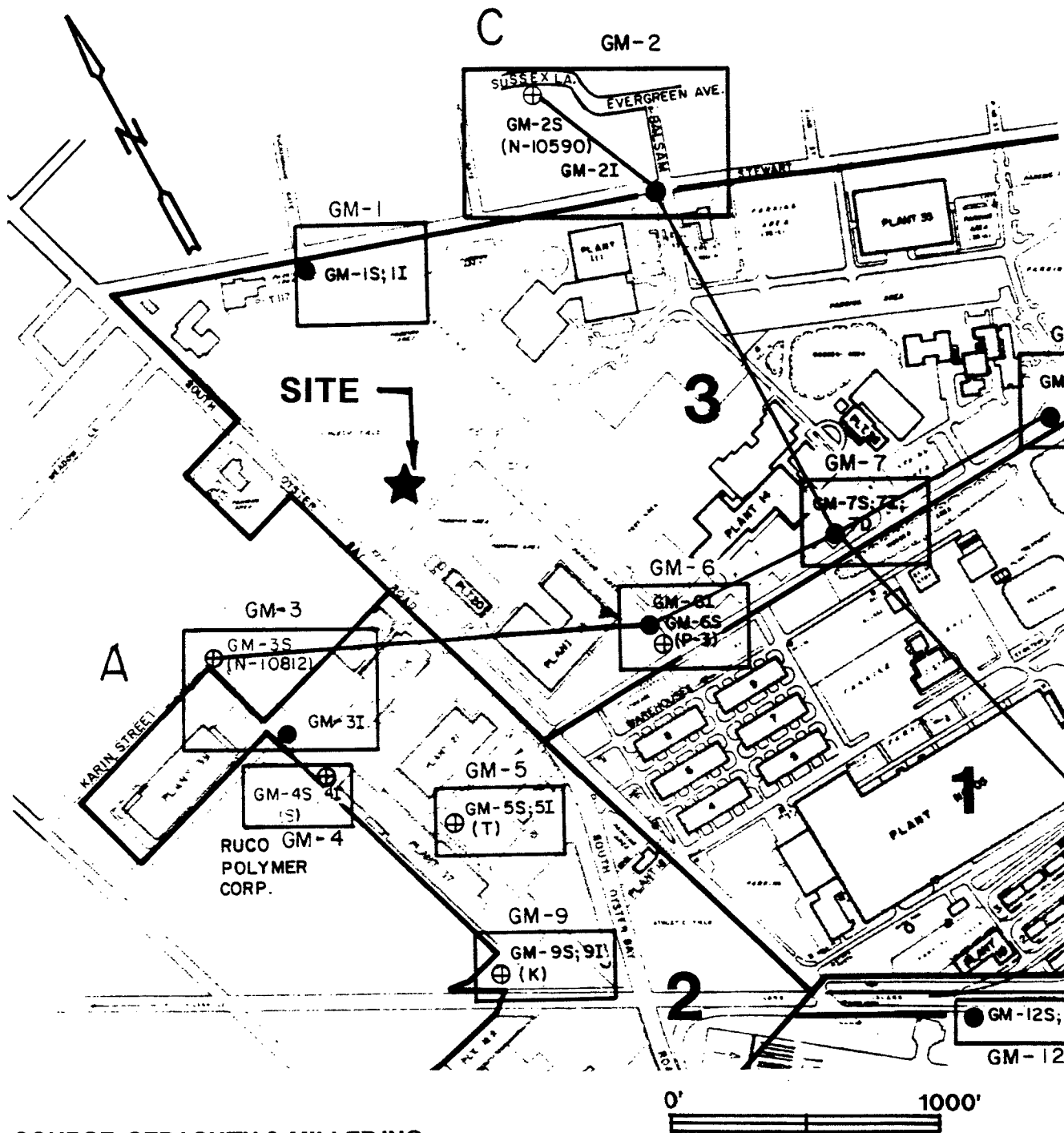
SECTION 4.0
ENVIRONMENTAL INVESTIGATIONS AT AND IN THE VICINITY OF THE SITE

4.1 Past Environmental Investigations in the Vicinity of the Site

Several environmental investigations were conducted for Grumman Aerospace Corporation. Geraghty and Miller, Inc. (1987) performed an investigation of the regional groundwater quality from wells located within a two-mile radius of the facility. No potential contaminant source areas were located up-gradient of the BFCU site.

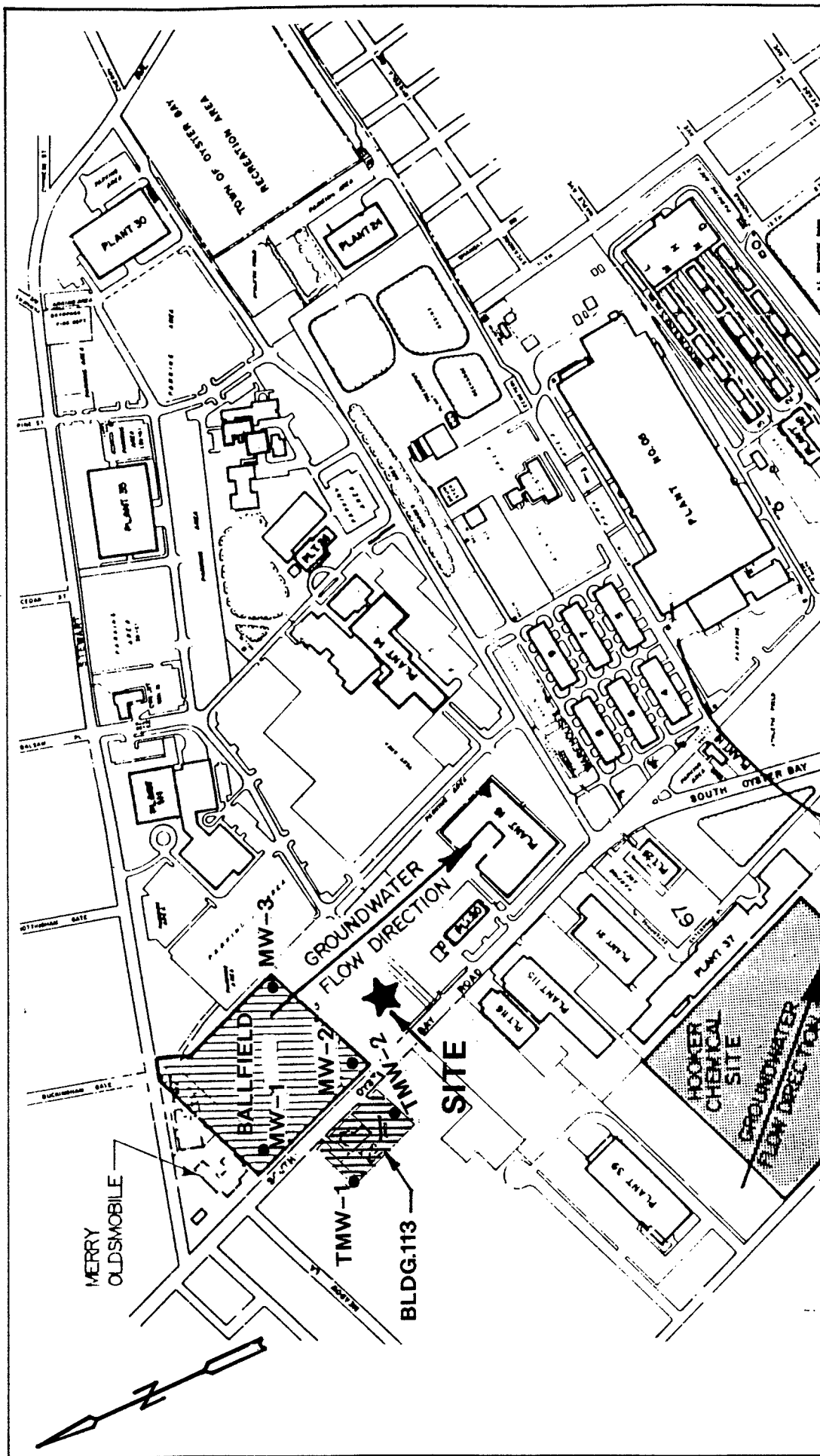
In 1992, Geraghty and Miller performed a Phase I investigation for Grumman Aerospace Corporation and 29 monitoring wells were installed between February, 1991 and September, 1991 (see Figure 4.1.1 for the well locations in the vicinity of the BFCU site). Soil samples were tested for target compound list volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and PCBs. Groundwater samples were tested for VOCs. Soil samples obtained during the installation of well GM-1, which is located north of the BFCU site had no detections of VOCs, SVOCs, pesticides, or PCBs. Also, no VOCs were detected in the well GM-1 groundwater sample.

In 1991, Dvirka and Bartilucci prepared a New York State site registry delisting petition for Grumman Corporation Building 113 and in 1992, prepared a delisting petition for the Ballfield site (see Figure 4.1.2 for Grumman facility site plan). Building 113 is located northwest and up-gradient of the BFCU site. Water and soil samples were collected and analyzed (see Table 4.1.1 for analysis results from sampling at Building 113 and the Ballfield site). The water samples were collected from two monitoring wells and were tested for total metals and VOCs. Soil samples were obtained from two test borings and



SOURCE: GERAGHTY & MILLER, INC.

Fanning, Phillips & Molnar Engineers		
FIGURE 4.11 MONITORING WELL LOCATIONS GRUMMAN AEROSPACE CORP.		
Drawn By: H.C.	Checked By: M.T.	Date: 12/28/92



LEGEND:

- MONITORING WELLS

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Engineers

FIGURE 4.1.2

WELL LOCATION BALLFIELD & BLDG.113

Drawn By: H.C.	Checked By: M.T.	Date: 12/28/92
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TABLE 4.1.1.1
SUMMARY OF GROUNDWATER QUALITY IN THE VICINITY OF BFCU SITE
BETHPAGE, NEW YORK

CONSTITUENTS	Ballfield MW-1 2/24/92	Ballfield MW-2 2/24/92	Ballfield MW-3 2/24/92	Building 113 TMW-1 8/12/91	Building 113 TMW-2 8/12/91	NYSDOH Drinking Water Standards
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Aluminum	U	1.43	0.40	NT	NT	----
Calcium	8.80	48.5	16.5	NT	NT	----
Iron	0.17	0.91	0.49	NT	NT	0.3
Lead	0.10	U	U	0.005	U	0.05
Magnesium	3.00	4.70	1.75	NT	NT	----
Manganese	0.07	0.08	U	NT	NT	0.3
Potassium	1.38	2.33	1.89	NT	NT	----
Sodium	3.20	13.0	4.65	NT	NT	----
Thallium	0.05	U	U	U	NT	----
Zinc	U	U	U	0.11	0.18	5
VOLATILE COMPOUNDS						
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Methylene Chloride	3.68 JB	U	4.93 JB	U	U	5

QUALIFIERS:

NT - not tested
 U - analyzed for but not detected
 B - compound found in blank as well as sample
 J - compound found below detection limit

NOTES:

---- not established
 Boldtype exceeds NYSDOH drinking water standards

tested for total petroleum hydrocarbons (TPHC). The results showed no VOCs were detected in the water samples and the detected metals were below the New York State ambient water quality standards. TPHC from the soil samples was determined to be below detection limits (Dvirka and Bartilucci, 1991). The Building 113 has recently been removed from the NYSDEC Site Registry List.

Dvirka and Bartilucci (1992) prepared a delisting petition for the Ballfield site which is located contiguous and north of the BFCU site. Three monitoring wells were installed at the Ballfield (as shown previously in Figure 4.1.2). Samples were obtained from these borings and wells and tested for VOCs and TPHC for the soil samples, and total metals and VOCs for the groundwater samples. Methylene chloride was detected in two of the three samples as well as the field and trip blanks. Dvirka and Bartilucci (1992) concluded that the detection of methylene chloride was attributed to laboratory contamination. No petroleum hydrocarbons were detected at MW-1 and MW-2. TPHC levels of 107 mg/kg were recorded at the boring for well MW-3. However, Dvirka and Bartilucci (1992) reported that the TPHC concentration of 107 mg/kg at MW-3 is not significant and is probably related to the asphalt which is mixed in with the berm material along the eastern property line. However, in order to determine if the TPHCs detected were attributable to the effect of the asphalt, the sample was analyzed utilizing NYSDOH Method 310-13. The initial method utilized to analyze for TPHCs (Method 418.1) is capable of detecting asphalt-related compounds if present in the sample. Method 310-13 can detect the more common fuel-related components identified in the TPHCs analysis, however, it cannot detect asphalt-related compounds. The analytical results indicated that

the fuel-related constituents such as gasoline, lubricating oil, kerosene and fuel oil were not detected above the method detection limit.

Results indicate that no volatile organics were detected in the groundwater samples (with the exception of the methylene chloride which is likely to be due to laboratory contamination). Several inorganic constituents were found in the groundwater samples and three contraventions of New York State Department of Health (NYSDOH) Drinking Water Standards were recorded [lead in MW-1 (0.10 mg/l), iron in MW-2 (0.91 mg/l), and MW-3 (0.49 mg/l)]. The Ballfield site has recently been removed from the NYSDEC Site Registry List.

4.2 Potential Environmental Concerns in the Vicinity of the Site

An environmental database was utilized to locate any sites with potential or existing environmental liabilities within a one-mile radius of the site. A summary of the findings is presented in Table 4.2.1. Within the search radius, there are two Federal CERCLIS sites, one National Priorities List (NPL) (Superfund) site, and ten leaking underground storage tank (LUST) sites. The locations of these sites is shown in Figure 4.2.1.

The Superfund site, Hooker Chemical/Ruco Polymer, is an active plastics manufacturing facility. This plant has been listed on the NPL since October, 1984. The waste types generated from this plant include chlorinated organic solvents. The Hooker site is located southwest of the BFCU site which is cross gradient from the BFCU site. Thus, the contamination release from the Hooker plant is not a concern to the BFCU site. One LUST site is located one-half mile upgradient of the BFCU site. The LUST site is owned by Gifford Oil Company and is located at

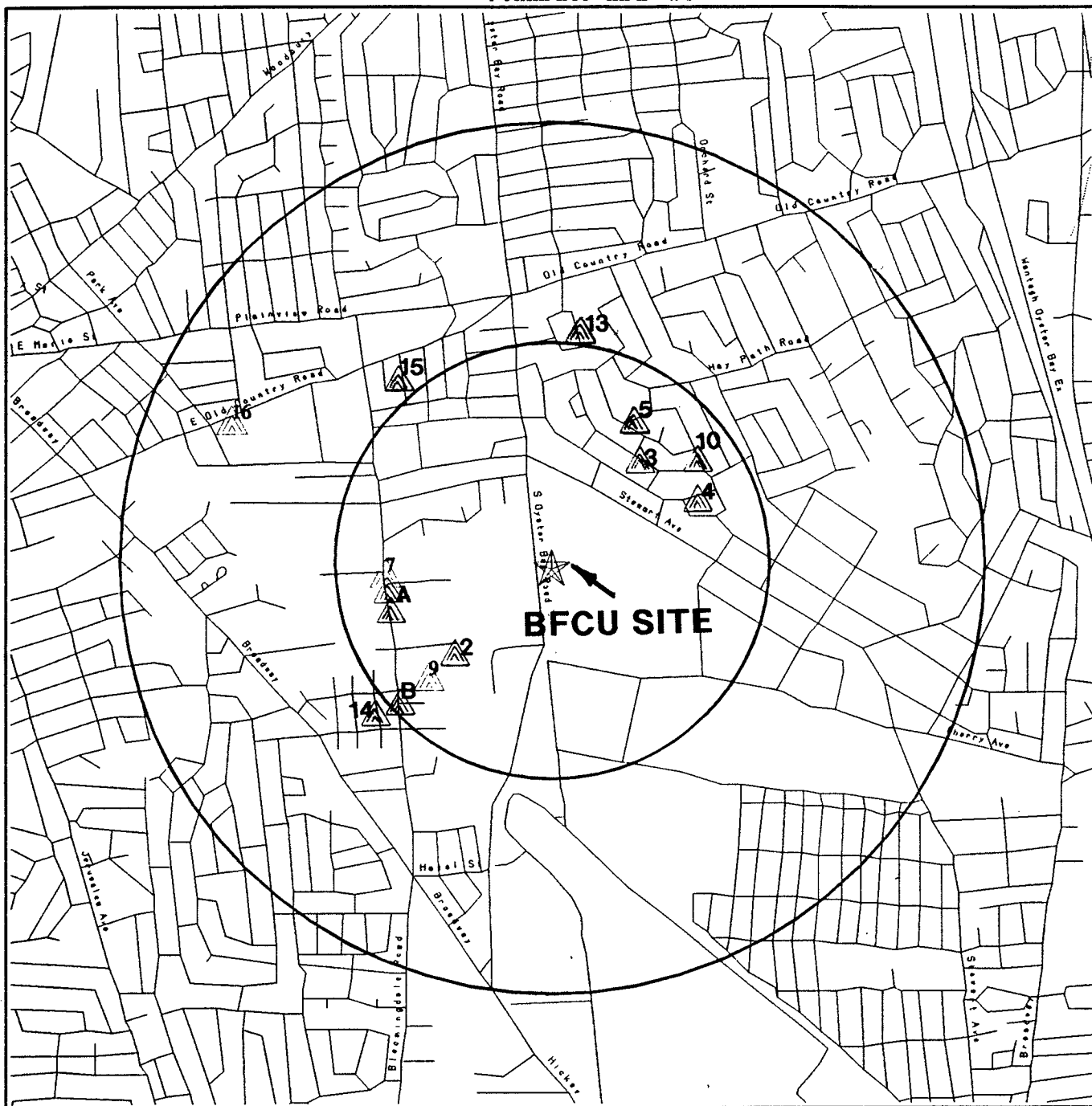
TABLE 4.2.1
SUMMARY OF SITES OF POTENTIAL CONCERN IN THE VICINITY OF THE BFCU SITE
BETHPAGE, NEW YORK

DATABASE	SOURCE	SITE OWNER	DISTANCE FROM BFCU SITE (MILE)	DIRECTION FROM BFCU SITE
NPL	USEPA	Ruco Polymer Corp (9)	1/4 - 1/2	SW
CERCLIS	USEPA USEPA	Servo Corp. of America (7) LILCO Hicksville Operation Center (16)	1/4 - 1/2 1/2 - 1	W WNW
LUST	State	Forest Chem Industries (2) Blue Hame Oil (3) Charles Thurnbuckler (4) Eileen McKenna (5) Unk (10) Olsen Residence (13) LILCO (14) Gifford Oil Co. (15) Meenan Oil (A) Sid Harvey (B)	1/8 - 1/4 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2 1/4 - 1/2	SW NE ENE NNE ENE N SW W W SW

Note: Numbers and letters in the parentheses refer to their location ID's in Figure 4.2.1.

mc222

PRIMARY MAP #1



- ★ - Indicates SUBJECT PROPERTY.
- △ - Indicates environmental elements found in the NEDIS database, resulting from a search of specified databases at specified search distances.

**Fanning, Phillips & Molnar
Engineers**

**FIGURE 4.2.1
LOCATIONS OF THE SITES WITH
ENVIRONMENTAL LIABILITIES
IN THE VICINITY OF BFCU SITE, BETHPAGE**

Drawn By: JDS Checked By: MR Date: 12-27-92

12 Liberty Avenue, Hicksville. The spill at this site occurred in February, 1981 and was reported to be cleaned up in March, 1991. No effects from this spill have been detected in the upgradient Ballfield wells.

SECTION 5.0 SITE INSPECTION

The BFCU facility consists of a three-story building and surrounding asphalt-paved parking lot (see Figure 5.1 for BFCU facility layout). The third floor of the building contains offices and a kitchen facility for the credit union workers. The second floor contains loan tellers, offices, and office supply storage. The first floor contains offices and teller windows. No hazardous waste operations or manufacturing takes place in the building.

The lower (basement) level contains a storage area for files and office supplies, offices, and maintenance rooms. One diesel fuel tank with a containment dike is situated in the storage area. The capacity of the tank is 275 gallons and is used as a back-up generator. No leakage or staining was found in the vicinity of the tank.

The exterior of the BFCU site consists of a paved parking area, catch basins, and undeveloped land on the eastern portion of the site. On the eastern portion of the site, behind the BFCU building, the generator and transformer are located. No staining or other evidence of potential environmental concerns were noted. The east section of the BFCU site is covered with grass. No stressed vegetation nor signs of chemical spillage were observed.



FIGURE 5.1
BFCU FACILITY LAYOUT

Drawn By: JDS	Checked By: MR	Date: 12-28-92
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SECTION 6.0 CONCLUSIONS AND RECOMMENDATIONS

This section of the report will present the conclusions and recommendations based on this investigation.

6.1 Conclusions

- The BFCU site is located at 899 South Oyster Bay Road in Bethpage, Suffolk County, New York and is presently included as part of New York State Superfund site #1-30-003.
- The tax map number of the site is Section 46, Block G, Lot 57, Lot 58, and part of Lot 59.
- The present owner of Lots 57 and 58 is Bethpage Federal Credit Union and the present owner of Lot 59 is Grumman Aerospace Corporation.
- Based on building permit and aerial photograph interpretation, the BFCU building was constructed in 1986 and is the only development to have occurred on the site.
- No chemicals are stored or used at the site and no hazardous waste operations are or have been conducted on the site.
- No spills have occurred at the site based on the NYSDEC Database Information System.
- The ground elevation at the site is approximately 150 feet above MSL. The depth to water is approximately 75 feet. The groundwater flow direction in the site area is south-southeast.
- There are no wetlands, lakes, or streams in the site area.
- Based upon the site inspection, the site showed no signs of a contamination release; there was no staining, stressed

vegetation, underground storage tanks, or other signs of potential contamination at the BFCU site.

- The Ballfield site upgradient and contiguous to the BFCU site and Building 113 upgradient from the BFCU site have been delisted from the New York State Site Registry.

6.2 Recommendation

Although the BFCU site is presently on the New York State Site Registry List, it is due to activities which occurred in other areas of the Grumman facility. The BFCU site had remained in an undeveloped state until 1986. The current building on the site is not involved with hazardous waste activities: only office activities. The site contiguous and upgradient of the BFCU site has been delisted.

Therefore, since the NYSDEC has delisted the upgradient site, and no hazardous waste activities have occurred on the BFCU site, it is requested that the BFCU site also be delisted from the NYSDEC Site Registry.

SECTION 7.0 REFERENCES

Dvirka and Bartilucci, 1992; New York State Site Registry Delisting Petition, Ballfield Site, Grumman Aerospace Corporation, Bethpage, New York.

Dvirka and Bartilucci, 1991; New York State Site Registry Delisting Petition, Building 113, Grumman Aerospace Corporation, Bethpage, New York.

Geraghty and Miller, 1992; Data Report Phase I Remedial Investigation Grumman Aerospace Corporation, Bethpage, New York.

Geraghty and Miller, 1988; Remedial Investigation Feasibility Study Workplan, Grumman Aerospace Corporation, Bethpage, New York.

Isbister, J., 1966; Geology and Hydrology of Northeastern Nassau County Long Island, New York; USGS Paper #1825.

APPENDIX A
BUILDING PERMITS

Under the supervision of a Licensed Professional Engineer.

COUNTY OF NASSAU, DEPARTMENT OF PUBLIC WORKS
Division of Sanitation and Water Supply
1 West Street, Mineola, N. Y. 11501

SEWER CONNECTION PERMIT

This permit is issued to install a connection and discharge
sewage into or disconnect from the Nassau County Sewer facility.

ADD 1% OF
ESTIMATED
CONSTRUCTION
COSTS.

FEE	DATE	DISTRICT	PERMIT NO
TOTAL PAID	LEGAL REQUIREMENT: Before you dig, Call LILCO 661-6000 for location of any underground utilities.		
POST OFFICE		ZIP CODE	
CODE	PERMITTEE	HOUSE CONNECTION STREET LOCATION	DISTANCE FEET
	<input type="checkbox"/> OWNER <input type="checkbox"/> LESSEE		DIR
			DEPTH FEET
			IN.
			LC
			RC

INSPECTOR'S REPORT (Indicate with a "✓")

- ☐ RUBBER GASKET ENCASED IN CONCRETE, 5 IN. H.C. PIPE
- ☐ HOT JOINT ☐ CLAY ☐ CEMENT ASBESTOS
- ☐ ITALIAN CUT, SPUR NIPPLE BEND
- ☐ STF Only ☐ Additional Conditions Attached

NOTE: Inspection can not be approved unless the name of the firm or individual who disposed of the scavenger wastes for this connection is indicated below.

SCAVENGER WASTES DISPOSED BY
NEW BLDG.

INSPECTED AND APPROVED

CODE: B - BUSINESS, R - RESIDENCE, 1 - 4 FAMILIES
M - MULTIPLE DWELLINGS, 5 OR MORE FAMILIES

6-9-88
DATE

G. V. K. O. C. E. I.
INSPECTOR'S SIGNATURE

COUNTY OF NASSAU, DEPARTMENT OF PUBLIC WORKS
Division of Sanitation and Water Supply
1 West Street, Mineola, N.Y. 11501

DATE	PERMIT NO.
6 117 187	S126C29

SEWER CONNECTION PERMIT ADDITIONAL CONDITIONS

899 S. OYSTER BAY RD. BETHPAGE

The above numbered permit, attached hereto, is subject to the following additional conditions: (BETHPAGE FEDERAL CREDIT UNION)

SPECIAL PERMIT ISSUED FOR S.T.F. ONLY.

INTO MH#471

IT WILL BE THE RESPONSIBILITY OF THE OWNER TO CONTACT ARTHUR MERGET (516) 679-2186 SO ADDITIONAL REQUIREMENTS CAN BE SET FOR ANY TENNANT DISCHARGING SEWER WASTE OTHER THAN SANITARY TOILET FACILITIES. ROOF AND STORMWATER NOT ALLOWED TO DISCHARGE TO N.C.S.S. EJECTOR PUMP ALLOWED TO REMAIN AS PER CHARLES SMITH (LETTER DATED 12/2/86).

NEW BLDG.

6-9-88

G. V. K. O. C. E. I.

TOWN OF OYSTER BAY PERMIT REQUIRED

16-6-49 \$56

1 Mir permit #22925



TOWN OF OYSTER BAY,
DEPARTMENT OF PLANNING & DEVELOPMENT
DIVISION OF BUILDING

AUDREY AVENUE, OYSTER BAY, NEW YORK 11771

P. 06
S.B.L.

D. #21
BUILDING PERMIT

SECTION	BLOCK	LOT	ZONE	APPLICATION NO.	B/A CASE NO.	RECEIPT NO.	DATE ISSUED	PERMIT NO.
48	G	p/o 49hp/e 58	H	241	86/239AB	G-6262	9/22/86	K 9816

PERMITTEE Bethpage Federal Credit Union	CONTRACTOR Bank Bldg. Corp. PHONE NO.
STREET ADDRESS 1101 Stewart Ave.	PLUMBER M. Director, 131 PHONE NO.
POST OFFICE Bethpage, NY	HEATING 8 Laurel St., Hicksville PHONE NO.
TELEPHONE NO. 575-6577	SANITARY PHONE NO.

PERMISSION GRANTED FOR CONSTRUCTION OF:
FAMILY DWELLING ☐ COMMERCIAL ☐ FACTORY ☐

JB/fa
—Three story bank building, textured & glass exterior 137.17' x 143' irregular — type 2A construction C-1 Occupancy. Install (72) Plumbing fixtures per Code: (19 W.C., 1 Kit.3., 22 Lav., 4 UR., 4 S.I.S., 17 F.D., 5 D.F.). Install (5) electric hot water heaters per Code. Install (1) gas fired boiler per Code. Install (3) electric unit heaters per Code. Install (42) Dry Wells per Code. Supervision affidavit required. Sprinkler permit to be applied for separately. Canopy 27' x 55.83'. Zoning Review: Must comply with Bd./Appeals decision, 86 dated 5/15/86, exp. 5/19/88. GRANTED: Total parking for (319) parking spaces. CONDITIONED UPON: To be used only for Bethpage Credit Union - not to be rented. (Use Variance for Parking) GRANTED: Provide paved parking for (145) spaces. GRANTED: Reduction of parking stalls, (9) ft. x 20 ft. Parking Stalls. Permit must be posted on job. Must give 24 hour notice for inspection.

LOCATED ON East	SIDE OF So. Oyster Bay Rd.	FEET 1153'	OF South Stewart Ave.	POST OFFICE Bethpage	EST. VAL. CONSTRUCTION 12,097,338.0					
STRUCTURE WTH. 210'	LENGTH 195'	HEIGHT 50'	STORIES 3	FRONT YARD 155'	REAR YARD 15'	SIDE YARD 50'	SIDE YARD 50'	Front Side Yd.	FEE FOR CONSTRUCTION	AMOUNT 38,316.00
S. BLOCK X	PRECAST	SEPTIC TANK GAL. 42	DRY WELLS 72	NO. PLUMB. FIXTURES 9 electric	NO. BURNERS 5 electric	SEWER CONNECTION NEW	SINKER MAIN IN.	TANK	PLUMBING 370.00	BURNER 125.00
OIL TANK INSIDE GAL. 42	OIL TANK OUTSIDE GAL. 42	HOT WATER HEATERS 5 electric						SANITARY 530.00	PLUMB. C. A. 30.00	CONST. C. O. 12,102.00
YOUR LICENSE IS NOT TRANSFERABLE AND IS SUBJECT TO REVOCATION UPON VIOLATION.										TOTAL FEE 48,583.00

THIS IS A PERMIT FOR CONSTRUCTION, PLUMBING, BURNER, TANK AND SANITARY WORK IF IT IS INDICATED ABOVE AND FEES HAVE BEEN PAID - N.B.: SANITARY PERMIT VALID ONLY IF FILED PLANS ARE APPROVED.

Anthony Maurino
DIVISION OF BUILDING

OCCUPANCY OF THIS NEW BUILDING OR ADDITION OR ALTERATION PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY WILL BE CONSIDERED A VIOLATION OF THE TOWN OF OYSTER BAY BUILDING CODE, PLUMBING CODE, AND/OR BUILDING ZONE ORDINANCE.

PROMPT NOTIFICATION BY THE VARIOUS CONTRACTORS FOR INSPECTIONS OF THEIR RESPECTIVE PARTS OF THE WORK WILL AVOID DELAY IN THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

REQUEST FOR INSPECTION MUST BE FILED IN WRITING AT LEAST 48 HOURS PRIOR TO TIME DESIRED, EXCEPT SANITARY INSPECTION WHICH MUST BE FILED IN WRITING AT LEAST 72 HOURS IN ADVANCE.

INSPECTIONS: Normally there are 12 or more required inspections of a new building and as many as apply to alterations and additions.

1. SOIL CONDITIONS - Before foundation footings are poured. Forms in place.
2. FOUNDATION FORMS & KEY - Before walls are poured.
3. CONCRETE WALLS & OTHER CONCRETE - When being poured.
4. FRAMING - Before insulation or lathing. (Foundation location survey)*
5. ROUGH ENCLOSED - Before exterior finish or interior finish is applied.
6. FINAL ON CONSTRUCTION - When ready for certificate of occupancy.
7. PLUMBING - Roughing, when ready for water test.
8. FLANGE INSPECTION - 8A Sewer connection if used.
9. PLUMBING FINAL - When ready for certificate of approval.
10. BURNER - When installed with inside tank in place.
11. TANKS - Outside before being covered.
12. SANITARY (1) Excavation (2) Construction (3) Special.

CHANGES REGARDLESS OF SIZE FROM THE STAMPED APPROVED PLANS MUST BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND DEVELOPMENT AND APPROVED BEFORE THE CHANGES ARE MADE. APPROVED PLANS MUST BE RETAINED ON THE JOB AND AVAILABLE TO INSPECTORS AT ALL TIMES.

ADDITIONAL NOTES:

NGINS000345503

JC/AD/jp

CERTIFICATE OF OCCUPANCY

No. **A 16908**

**TOWN OF OYSTER BAY
DEPARTMENT OF PLANNING & DEVELOPMENT
DIVISION OF BUILDING
TOWN HALL, AUDREY AVENUE
OYSTER BAY, N.Y. 11771**

ISSUED TO OWNER

NAME Bethpage Federal Credit Union
STREET ADDRESS 1101 Stewart Ave.
POST OFFICE Bethpage, N.Y. 11714
FOR BUILDING LOCATED ON THE TAX
MAP OF THE TOWN OF OYSTER BAY IN
SECTION **BLOCK** **LOTS**

BUILDING PERMIT No.
APPLICATION No.
RECEIPT No.
PERMIT DATE
APPEAL BOARD No.

DATE 6/24/88
K9816
1411
G6262
9/22/86
(86-239AB)
Zone

46 G 49

H

This CERTIFIES that the Building located at East side of Oyster Bay Road 1153' south of Stewart Ave. Bethpage, New York.

was constructed substantially in accordance with the plans filed for the above Building Permit and to all requirements of The Building Zone Ordinance and The Building Code of the Town of Oyster Bay and the occupancy is limited to the following use: Class Three story bank building textured and glass exterior

187.17'x143' Irregular Type 2A construction classification

C-1 Occupancy granted total parking for (319) parking spaces to be used for Bethpage credit union not to be rented.

SHOULD THE OCCUPANCY CHANGE FROM THE ABOVE LIMITATION OF USE, APPLICATION MUST BE MADE FOR NEW CERTIFICATE.

PLUMBING APPROVAL No. C3089

UNDERWRITERS CERTIFICATE

N.B.F.U. No. N8581-47

Richard Blauvelt
DEPARTMENT OF PLANNING & DEVELOPMENT
DIVISION OF BUILDING



TOWN OF OYSTER BAY,
DEPARTMENT OF PLANNING & DEVELOPMENT
DIVISION OF BUILDING
SD21 BUILDING PERMIT

AUDREY AVENUE, OYSTER BAY, NEW YORK 11771

S.B.L. COPY
POST THIS PERMIT CONSPICUOUSLY

SECTION 46	BLOCK 6	LOT p/o 49,56	ZONE H	APPLICATION NO. 2361	B/A CASE NO.	RECEIPT NO. H13252	DATE ISSUED 7/1/88	PERMIT NO. L07164
JB/amm		PERMITTEE Bethpage Federal Credit Union				CONTRACTOR Larry Tyree Co. PHONE NO.		
		STREET ADDRESS P.O. Box 489				PLUMBER PHONE NO.		
		POST OFFICE Bethpage, N.Y. 11714				HEATING PHONE NO.		
PERMISSION GRANTED FOR CONSTRUCTION OF: FAMILY DWELLING <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> FACTORY <input type="checkbox"/> <input type="checkbox"/>						SANITARY PHONE NO.		

Install one (275 gallon) diesel tank in basement with containment dike per code.

Zoning- None

Permit must be posted on job

Must give 24 hours notice for inspection

LOCATED ON E	SIDE OF O.B. Rd. 1153' S	FEET	OF Stewart Ave.	POST OFFICE Bethpage	EST. VAL. CONSTRUCTION \$					
STRUCTURE WTH.	LENGTH	HEIGHT	STORIES	FRONT YARD	REAR YARD	SIDE YARD	SIDE YARD	Front Side Yd.	FEE FOR	AMOUNT
S. BLOCK	PRECAST	SEPTIC TANK	DRY WELLS	NO. PLUMB. FIXTURES	NO. BURNERS OIL GAS COAL	SEWER CONNECTION NEW RENEW	SPRINKLER MAIN IN.		CONSTRUCTION	25 00
OIL TANK INSIDE		OIL TANK OUTSIDE		HOT WATER HEATERS OIL GAS					TANK	
GAUGE GAL.		GAUGE GAL.							SANITARY	
YOUR LICENSE IS NOT TRANSFERABLE AND IS SUBJECT TO REVOCATION UPON VIOLATION.										
ALL ELECTRICAL AND PLUMBING CONTRACTORS MUST BE LICENSED IN THE TOWN OF OYSTER BAY										
FOUNDATION SURVEY MUST BE APPROVED BEFORE WALLS, STEEL OR FRAMING STARTS, SEE 4*										
									PLUMB. C.A.	
									CONST. C.O.	
									TOTAL FEE	25 00

THIS IS A PERMIT FOR CONSTRUCTION, PLUMBING, BURNER, TANK AND SANITARY WORK IF IT IS INDICATED ABOVE AND FEES HAVE BEEN PAID - N.B.: SANITARY PERMIT VALID ONLY IF FILED PLANS ARE APPROVED.

SUPERINTENDENT
DIVISION OF BUILDING

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PROMPT NOTIFICATION BY THE VARIOUS CONTRACTORS FOR INSPECTIONS OF THEIR RESPECTIVE PARTS OF THE WORK WILL AVOID DELAY IN THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

REQUEST FOR INSPECTION MUST BE FILED IN WRITING AT LEAST 48 HOURS PRIOR TO TIME DESIRED, EXCEPT SANITARY INSPECTION WHICH MUST BE FILED IN WRITING AT LEAST 72 HOURS IN ADVANCE.

INSPECTIONS: Normally there are 12 or more required inspections of a new building and as many as apply to alterations and additions.

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ADDITIONAL NOTES:

NGINS000345505

APPENDIX B

NASSAU COUNTY HEALTH DEPARTMENT FILE REQUEST FORM



NASSAU COUNTY
DEPARTMENT OF HEALTH

240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4250
516-535-3410
FAX # 516-535-3369

NORMA J. HENRIKSEN
VICE-CHAIRMAN

LAWRENCE RAVICH, M.D.
SAMUEL M. GELFAND, M.D.
JOAN L. CAEMMERER

GEORGE PICKETT, M.D., M.P.H.
COMMISSIONER

12/2/92

RE: Bethpage Fed.
Credit Union
#719

Dear Ms. Rakovan:

Please be advised that your request for access to records of the Department of Health has been approved.

Records will be made available during normal working hours at 240 Old Country Road, Mineola, and there will be a 25¢ per page fee for photo copying any Nassau County records.

Listed below are the Bureau(s) which have searched their files for records pertaining to your request. Please call the Bureau(s) checked below and speak to the contact person before arriving to see the records:

BUREAU

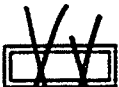
CONTACT PERSON

☐ LAND RESOURCES MANAGEMENT
Underground Tanks; Chemical/
Oil Contaminant; Spills &
Leaks; Medical Waste;
Solid Waste; Sewage Treatment
Mr. Schechter 535-3857

☐ AIR QUALITY MANAGEMENT
Permits & Certificates For Air
Emission Sources; Air Contaminant
Emissions; Violations of Applicable
Ordinances;
Mr. Schechter 535-3857

☐ WATER RESOURCES MANAGEMENT
Drinking Water, Private Wells,
Backflow Prevention Devices;
Bottled Water;
Private Sewage Disposal;
Mr. Yatsyla 535-5035

☐ ENVIRONMENTAL SANITATION
Food Protection;
Temporary Residences;
Housing, Rodent Control; Heat;
General Nuisance;
Bathing Facilities;
Radiological Health.
Mr. Caraccio 535-3685
Mr. Drescher 535-2328
Mr. Walderman 535-2290



NO RECORDS NOTED

Doc. FOIL4 FOL
Revised mp 6/10/92

Yours truly,

Nola Sanchez
Nola Sanchez
(516) 535-3571

NGINS000345507

APPENDIX C

NASSAU COUNTY FIRE MARSHAL FILE DOCUMENT

OFFICE OF THE FIRE MARSHAL NASSAU COUNTY FIRE PREVENTION ORDINANCE - ARTICLE III
APPLICATION FOR STORAGE OF FLAMMABLE/COMBUSTIBLE LIQUIDS REGISTRATION
FORM 1 - GENERAL INFORMATION
SEE INSTRUCTION SHEET

FOR OFFICE USE ONLY
FMKEY:
MUNICIPAL:

CHECK ALL THAT APPLY
TO YOUR FACILITY: ☒ TANK STORAGE ☐ CONTAINER STORAGE ☐ BULK STORAGE

REASON FOR SUBMITTING APPLICATION: ☒ NEW ☐ RENEWAL ☐ CHANGE ☐ CONSTRUCTION

FACILITY NAME	STREET ADDRESS	VILLAGE	STATE	ZIP	PHONE
Village Federal Cement Union	899 South Oyster Bay Ro.	BETHPAGE	N.Y.	11714	488-9191
FACILITY MAILING ADDRESS (If different from above)		FACILITY CONTACT PERSON	DOB		PHONE
		R. Van Dyne			488-9191
FACILITY OWNER	DOB	STREET ADDRESS	VILLAGE	STATE	ZIP
Same					
PROPERTY OWNER	DOB	STREET ADDRESS	VILLAGE	STATE	ZIP
Same					
TANK OWNER	DOB	STREET ADDRESS	VILLAGE	STATE	ZIP
Same					

NAME THAT SHOULD APPEAR ON PERMIT (PERMITTEE)
(If different from facility owner)

PERMITTEE'S STREET ADDRESS
VILLAGE
STATE
ZIP
PHONE

PERMITTEE'S RELATIONSHIP
TO FACILITY OWNER:
☐ SAME ☐ OPERATOR OF FACILITY ☐ OTHER (SPECIFY):

PRINCIPAL PROPERTY TAX CODE
SCHOOL DISTRICT NO. 21 SECTION 46 BLOCK 6 LOT 2491052 FORMS ATTACHED ☒ FORM 2 - TANK REG

I HEREBY AFFIRM UNDER PENALTY OF PERJURY THAT THE INFORMATION PROVIDED ON THIS FORM AND ANY ATTACHED FORMS, STATEMENTS AND EXHIBITS IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PRINT NAME R. Van Dyne SIGNATURE R. Van Dyne TITLE PROTECT MGR DATE 8-17-88

NASSAU COUNTY FIRE PREVENTION ORDINANCE - ARTICLE III
 FLAMMABLE/COMBUSTIBLE LIQUIDS REGISTRATION

BETHPAGE FEDERAL CREDIT UNION

CITY ADDRESS
899 South Oyster Bay Rd. BETHPAGE N.Y. 11714

[illegible]

909 MARCONI AVENUE, RONKONKOMA, NEW YORK 11779

(516) 737-6200

(718) 767-3337