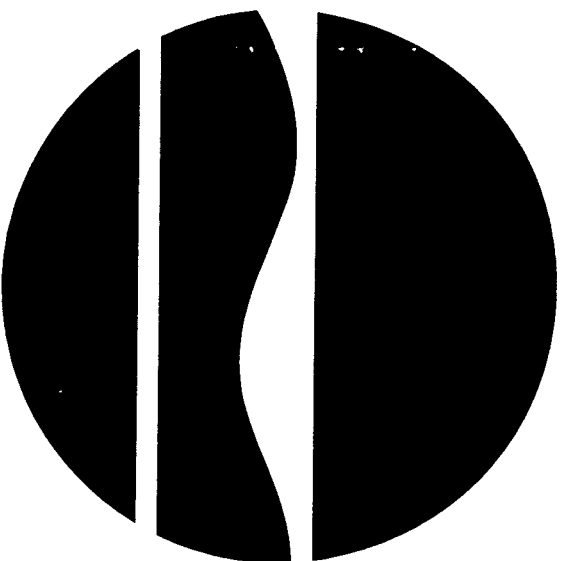


Harris Corporation

Proposed Remedial Action Plan



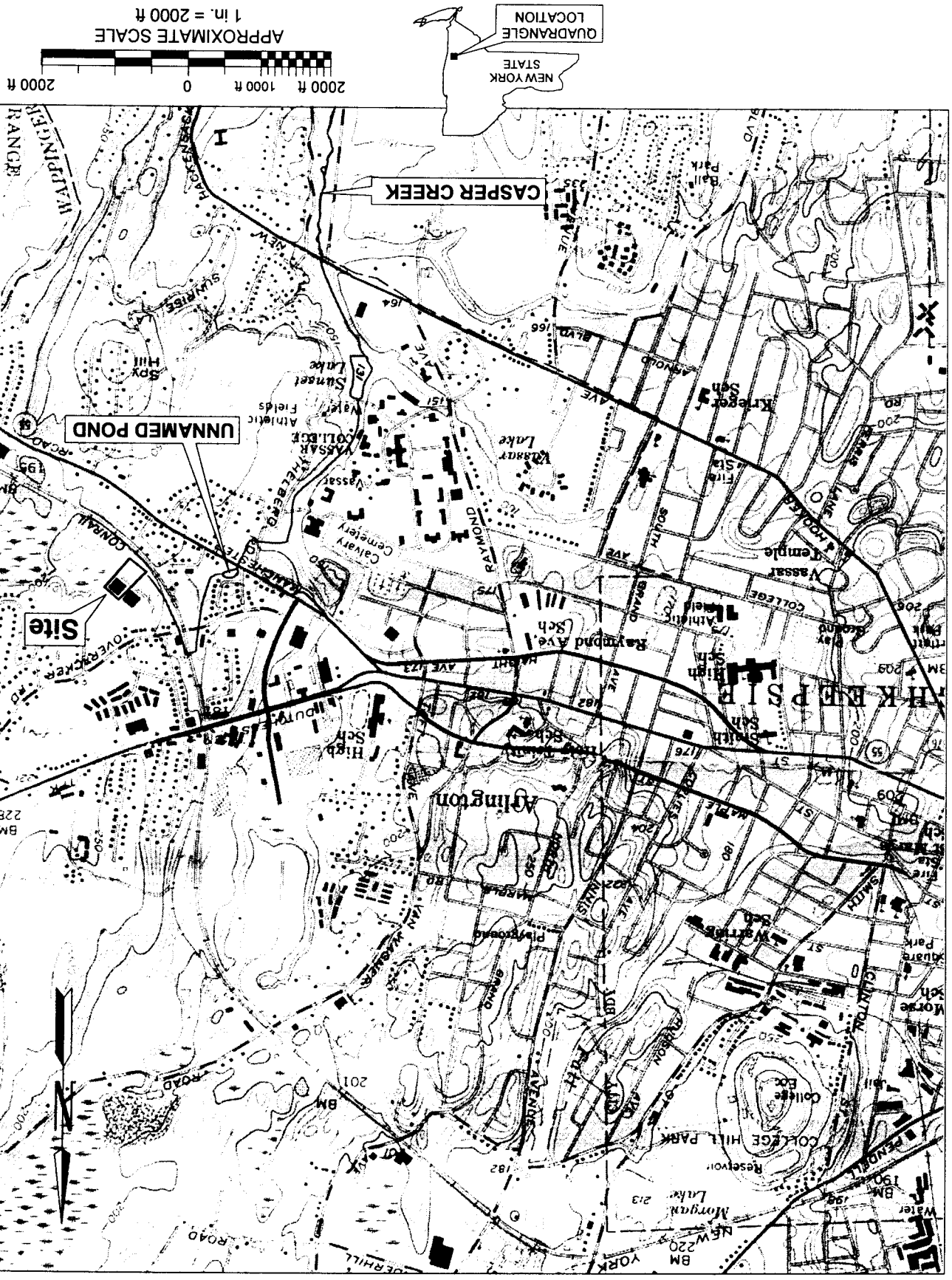
Harris Corporation Site

Town of Poughkeepsie, Dutchess County

The Process

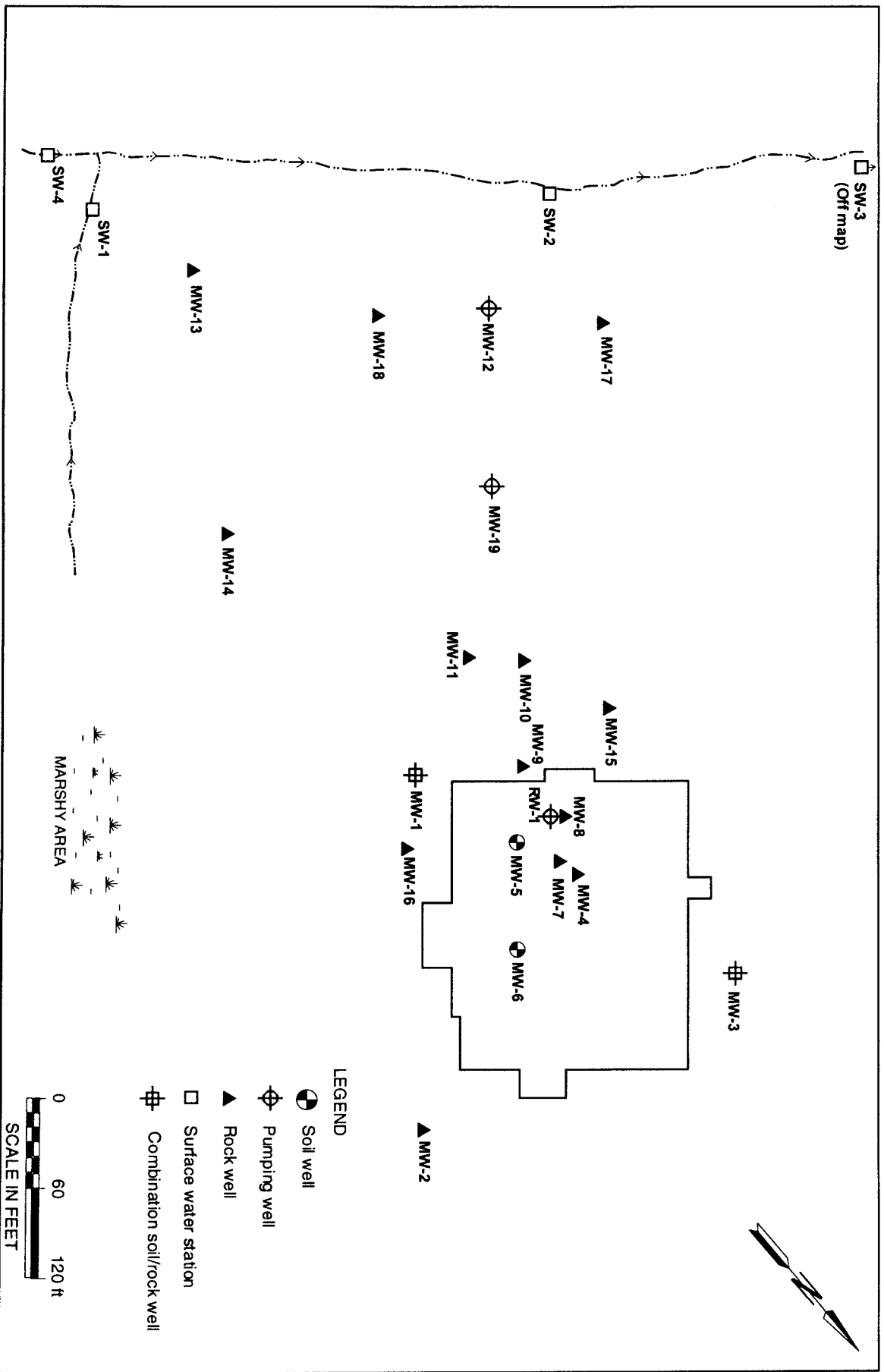
- Remedial Investigation (RI)
 - Define the problem
- Feasibility Study (FS)
 - Develop alternative solutions for the problem
- Proposed Remedial Action Plan (PRAP)
 - Recommend one alternative
- Public Comment Period: 30 Days
- Selection of Remedy
- Record of Decision (ROD)

HARRIS CORPORATION SITE, POUGHKEEPSIE, NEW YORK
Location of Harris Corporation Site
in Dutchess County



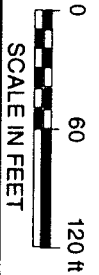
APPROXIMATE SCALE
1 in. = 2000 ft
2000 ft 1000 ft 0 2000 ft

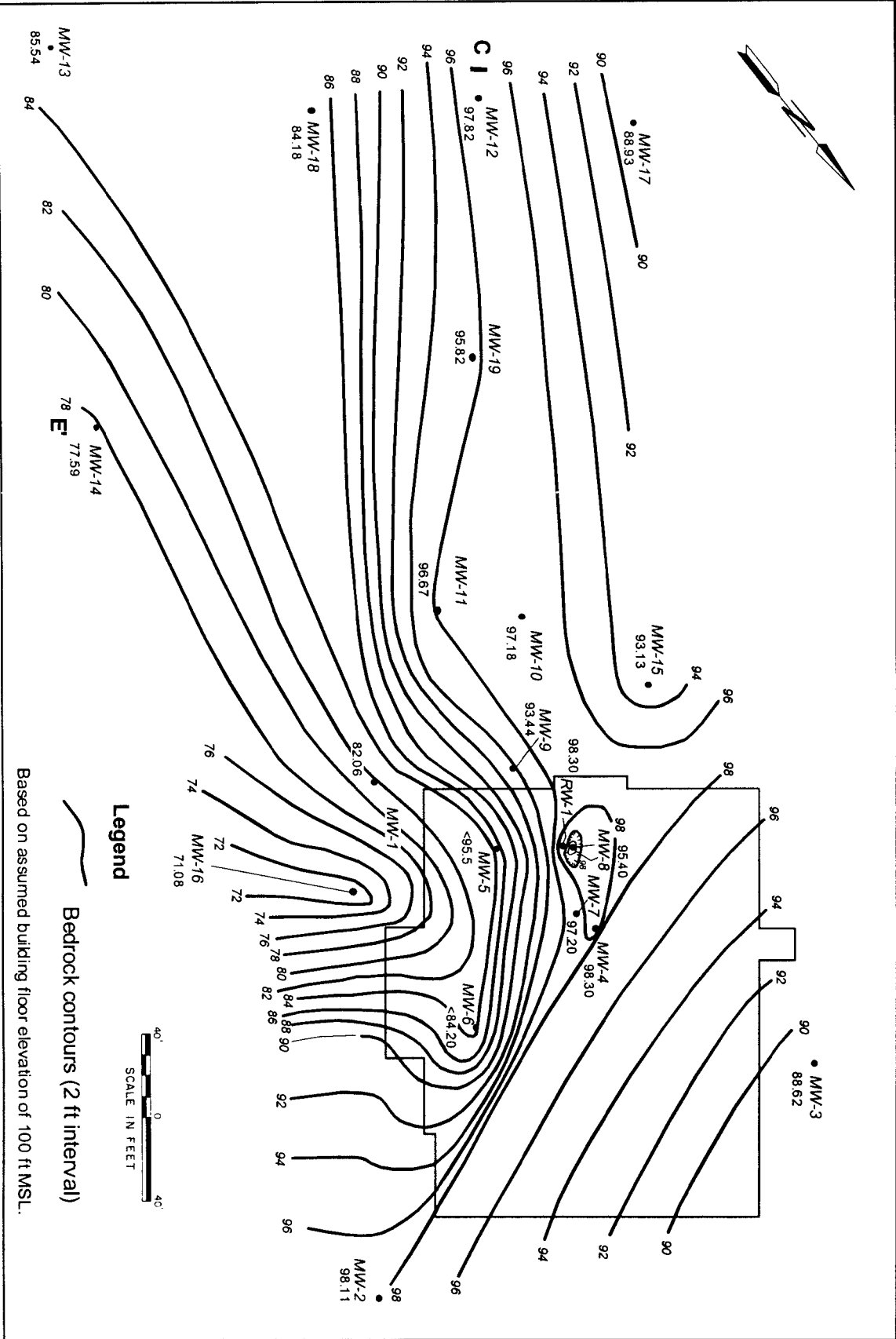
NEW YORK STATE
LOCATION



LEGEND

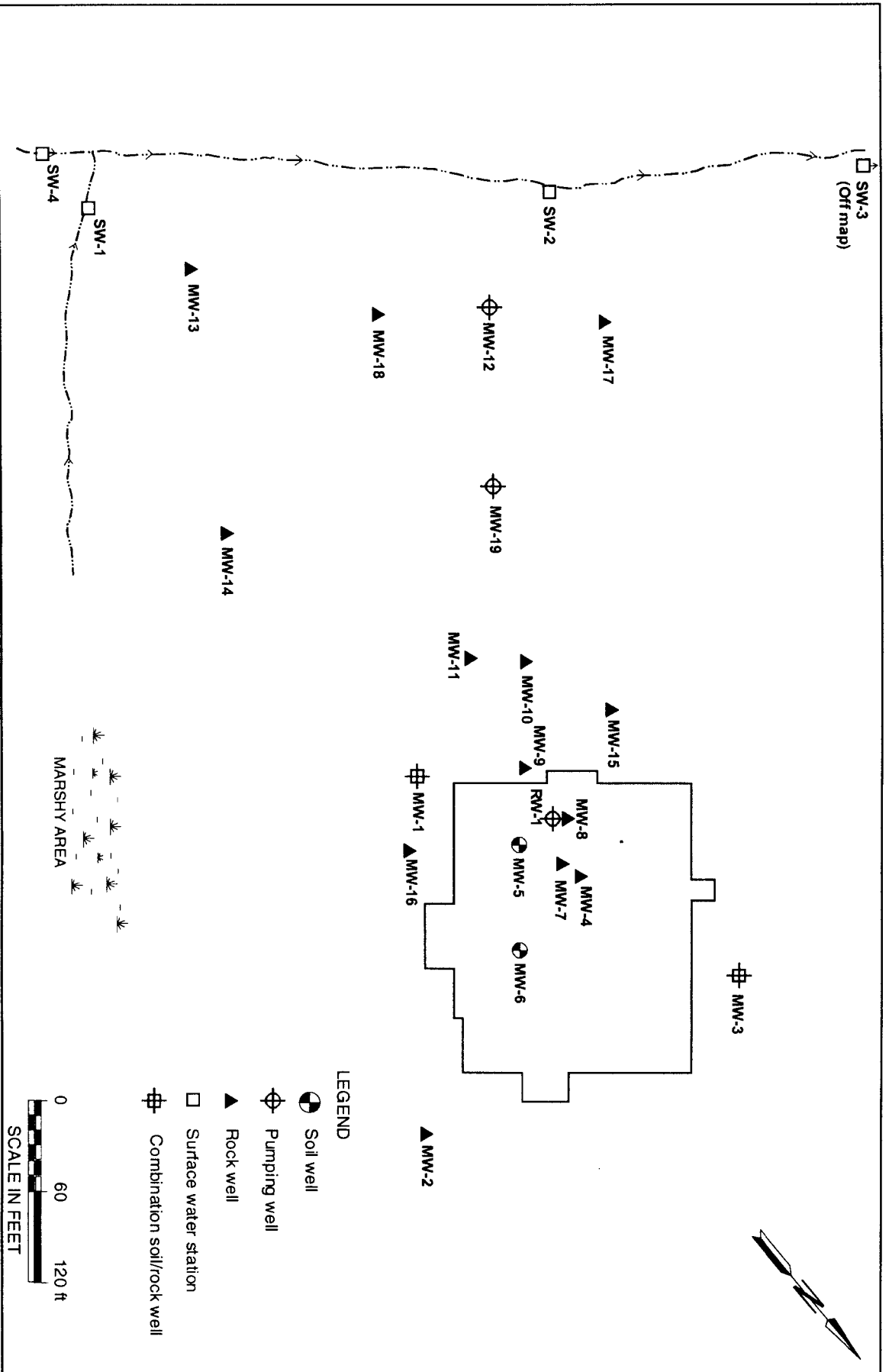
- Soil well
- ⊕ Pumping well
- ▲ Rock well
- Surface water station
- ⊕ Combination soil/rock well





Chemicals in Drummed Tank Contents

Parameter	Concentration (µg/l)
Methanol	714,000,000
Isopropanol	6,590,000
n-Butyl acetate	2,660,000
Xylenes	2,021,000
Acetone	Not Detected



Chemicals in Monitoring Wells (May and July 1982)

Parameter	MW-1 Jul '82	MW-4 Jul '82	MW-5 Jul '82	MW-6 Jul '82	MW-7 Jul '82	MW-8 Jul '82
Methanol	ND	2,540,000	1,000	1,000	3,700,000	5,380,000
Acetone	ND	500	ND	ND	10,000	900
Xylenes	ND	290	<10	ND	219	355
Isopropanol	ND	400	ND	ND	ND	400
n-Butyl acetate	ND	ND	ND	ND	ND	16

ND = Not detected

all concentrations are in µg/l

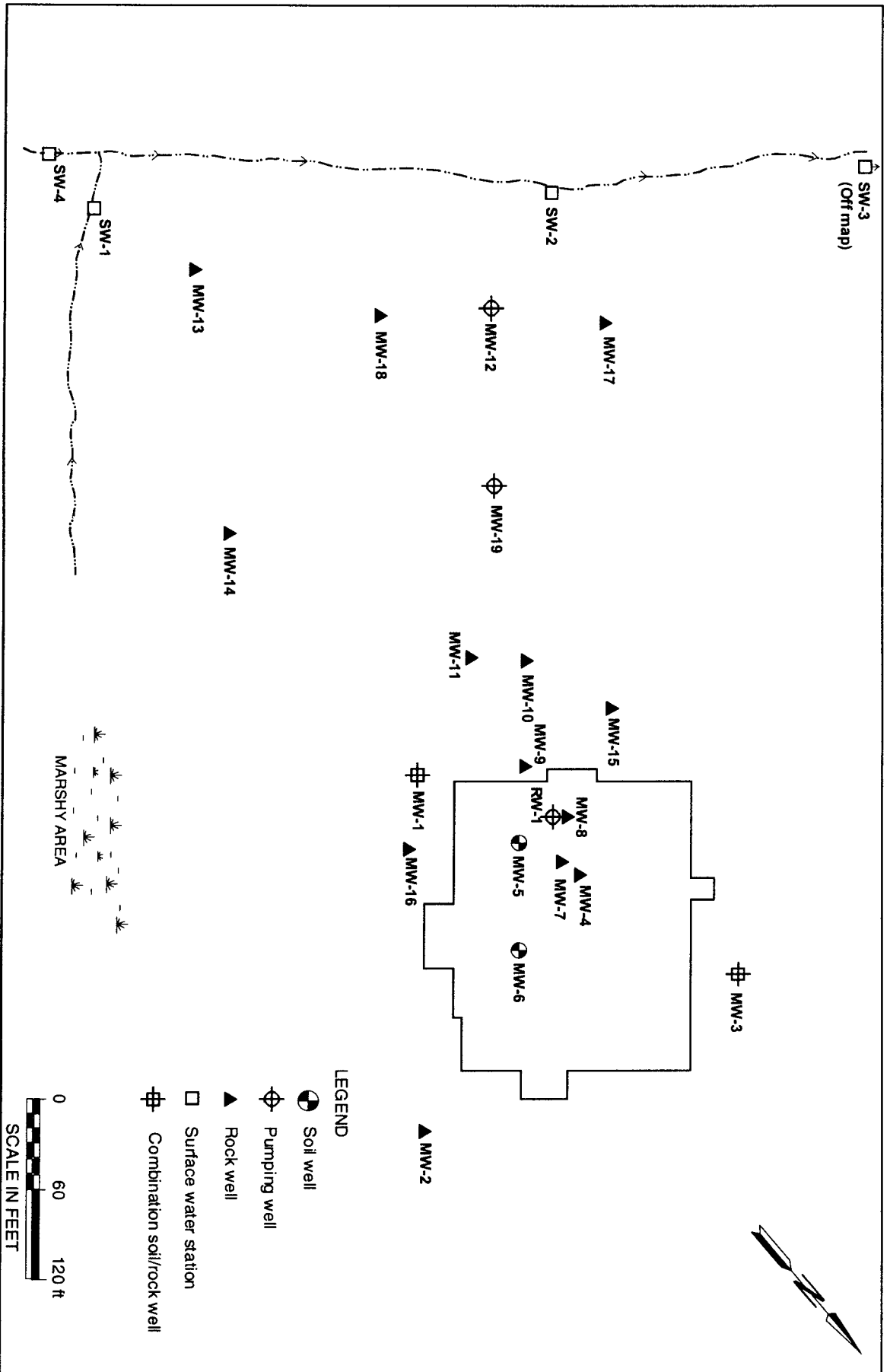
Chemicals in Monitoring Wells (December 1982)

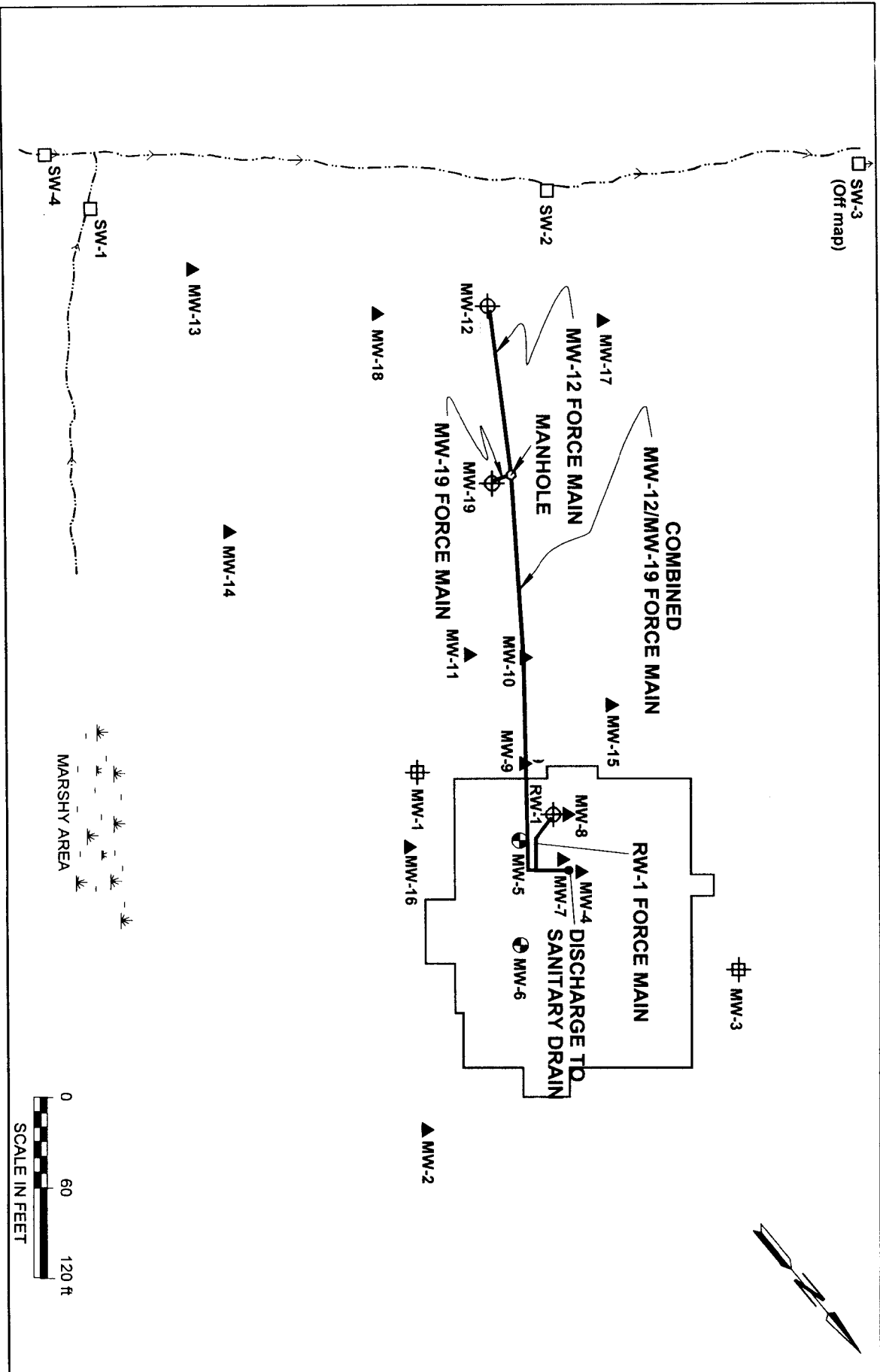
Parameter	MW-1	MW-4	MW-5	MW-7	MW-8	MW-9
Trichloroethene	29	47	<10	1290	44	33
1,2-dichloroethene	21	315	73	1190	136	31
1,1-dichloroethane	10	76	27	574	13	ND
1,1,1-trichloroethane	<10	24	ND	680	ND	<10
1,1-dichloroethene	ND	<10	ND	970	ND	ND
Methanol	NR	1,500,000	NR	900,000	189,000	ND

ND = Not detected

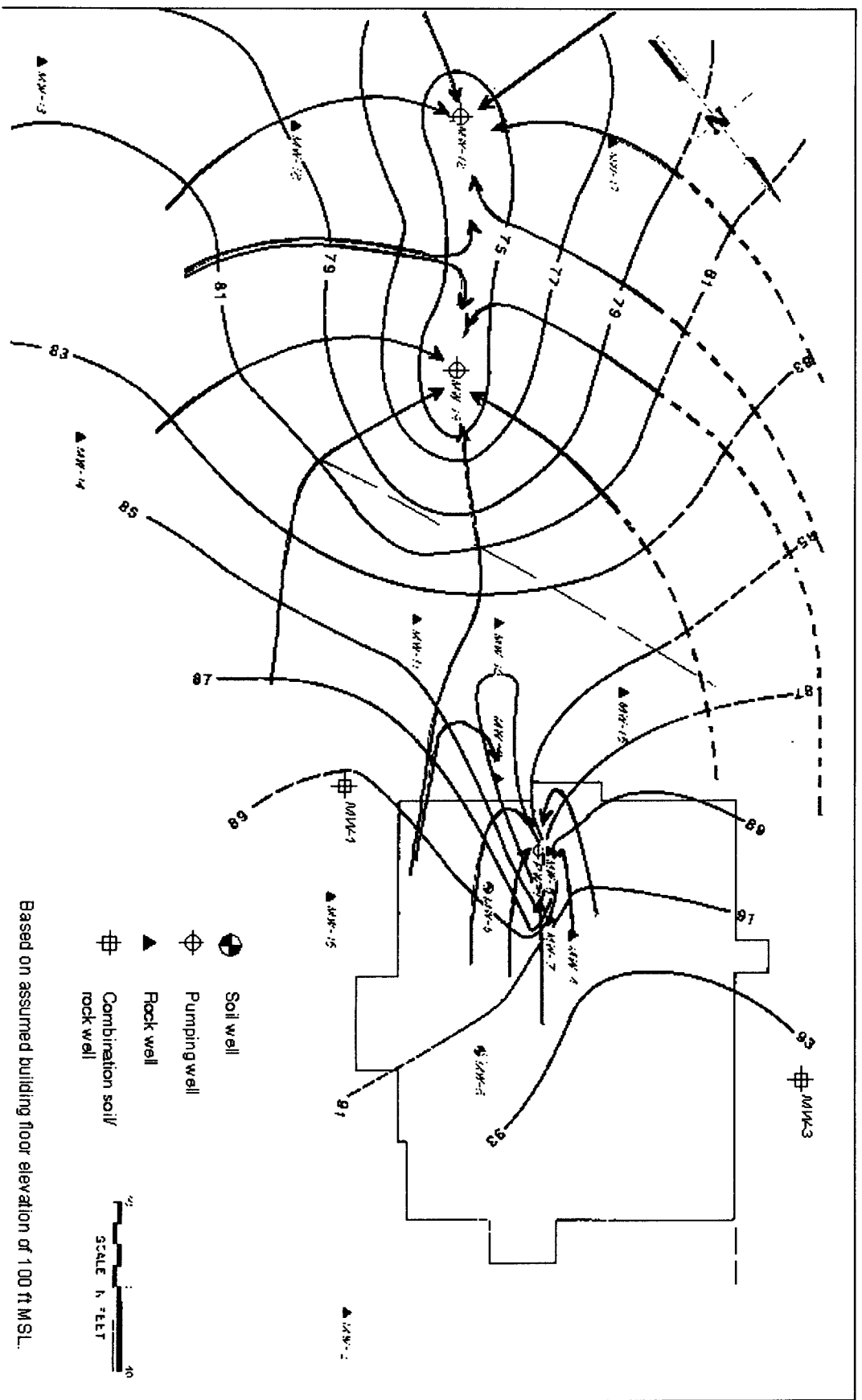
NR = Not run

all concentrations are in µg/l

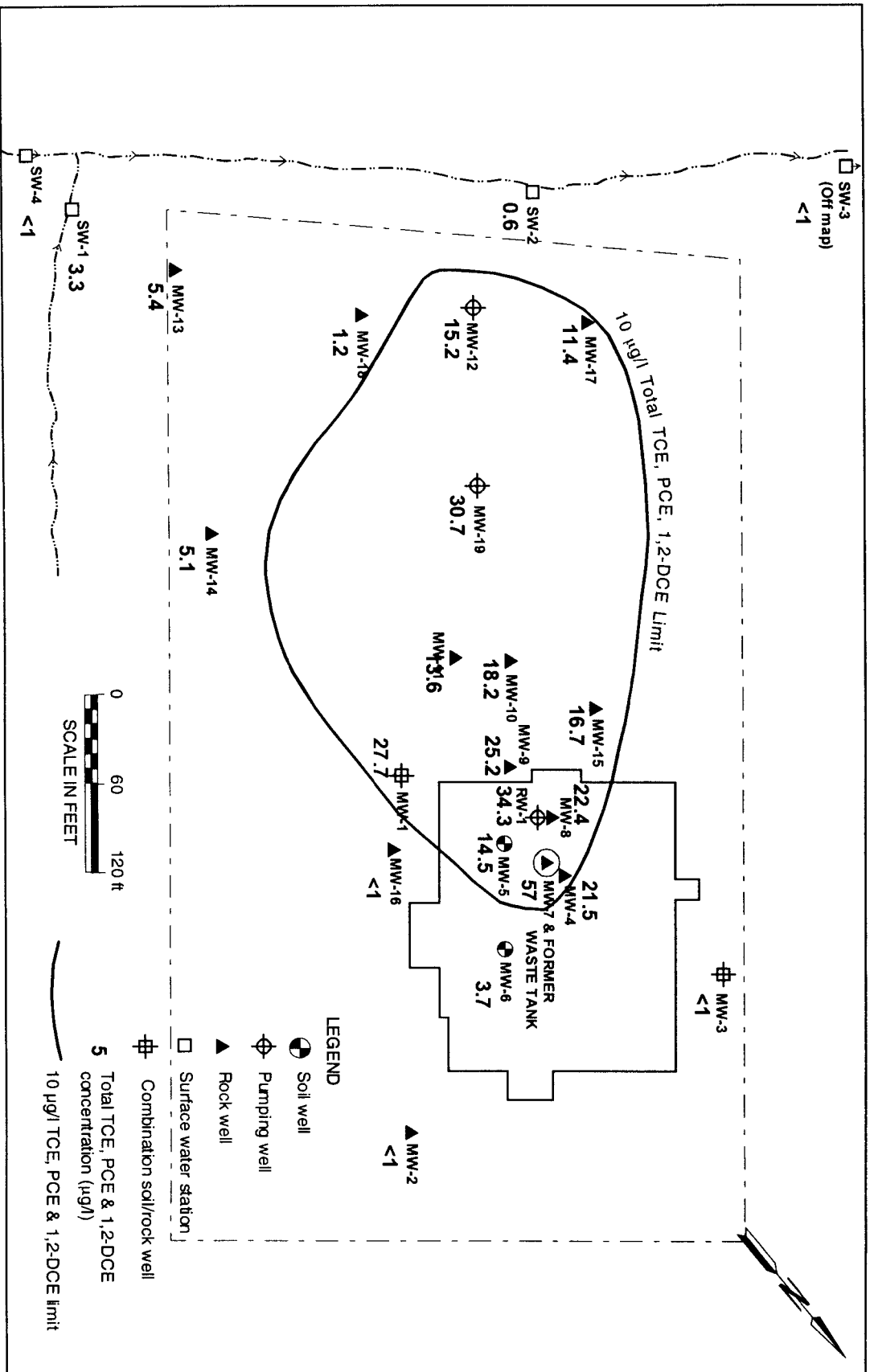




Water Table Elevation With Three Remedial Pumping Wells in Operation



Estimated Extent of TCE, PCE, and 1,2-DCE March 1999



MW-4 & MW-7 Compared From 1982 to 1999

Parameter	MW-4		MW-7	
	1982	1999	1982	1999
Trichloroethene	47	15	1290	39
1,2-dichloroethene	315	3.9	1190	12
1,1-dichloroethane	76	8.3	574	5.7
Tetrachloroethene	15	2.6	98	6
1,1,1-trichloroethane	24	3.4	680	3.8
1,1-dichloroethene	<10	ND	970	ND
Xylenes	72	ND	533	ND
Methanol	1,500,000	ND	900,000	ND

ND = Not detected

all concentrations are in µg/l

MW-10 Compared from 1982 to 1999

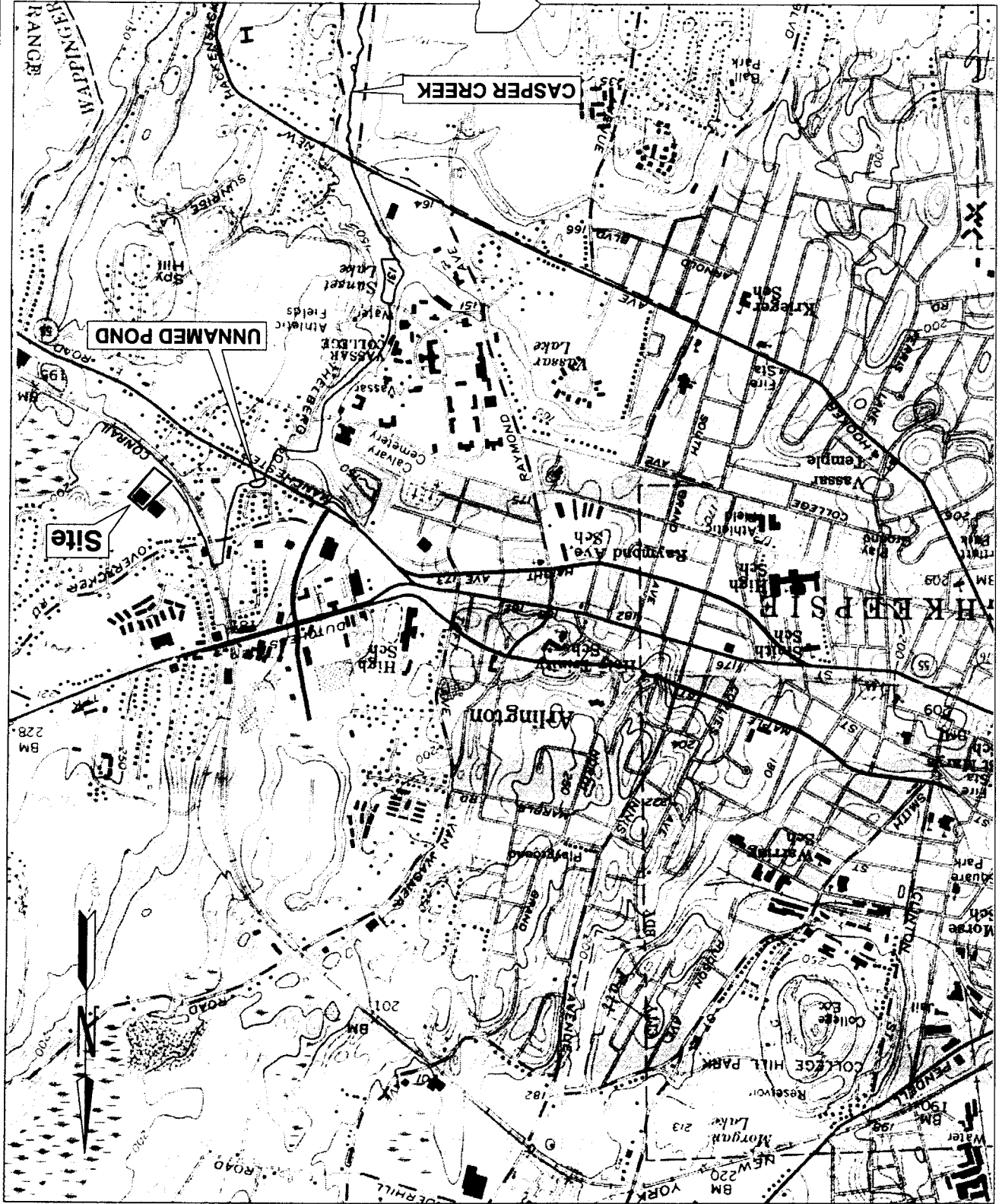
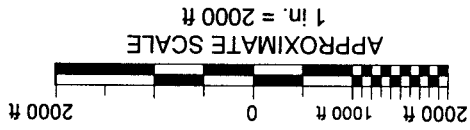
Parameter	MW-10	
	1982	1999
Trichloroethene	16	11
1,2-dichloroethene	31	ND
1,1-dichloroethane	17	0.7
Tetrachloroethene	<10	2.2
Ethylbenzene	14	ND
Xylenes	157	ND

ND = Not detected all concentrations are in µg/l

Target VOCs in Residential Wells

Location	Concentration (µg/l)				
	MTBE	TCA	MC	Chloroform	Naphthalene
302565				1.4	0.86
206534			1.7		
270638	0.52				
184546					
194561			0.5		
222549			0.9		
219614					
295604					
270548	2.3				
193542			0.64		
264622	0.51				
212531			1.8		
203580					
241579					
248575					

Location of Harris Corporation Site
in Dutchess County
HARRIS CORPORATION SITE, POUGHKEEPSIE, NEW YORK



The Process

- Remedial Investigation (RI)
 - Define the problem
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 - Develop alternative solutions for the problem
- Proposed Remedial Action Plan (PRAP)
 - Recommend one alternative
- Public Comment Period: 30 Days
- Selection of Remedy
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Criteria for Evaluation:

- Protection of Human Health & the Environment
- Compliance with New York State Standards, Criteria, & Guidance values (SCGs)
- Short-term Effectiveness & Impacts
- Long-term Effectiveness & Permanence
- Reduction of Toxicity, Mobility & Volume
- Implementability
- Cost
- Community Acceptance

Alternative 1 (the No Action Alternative)

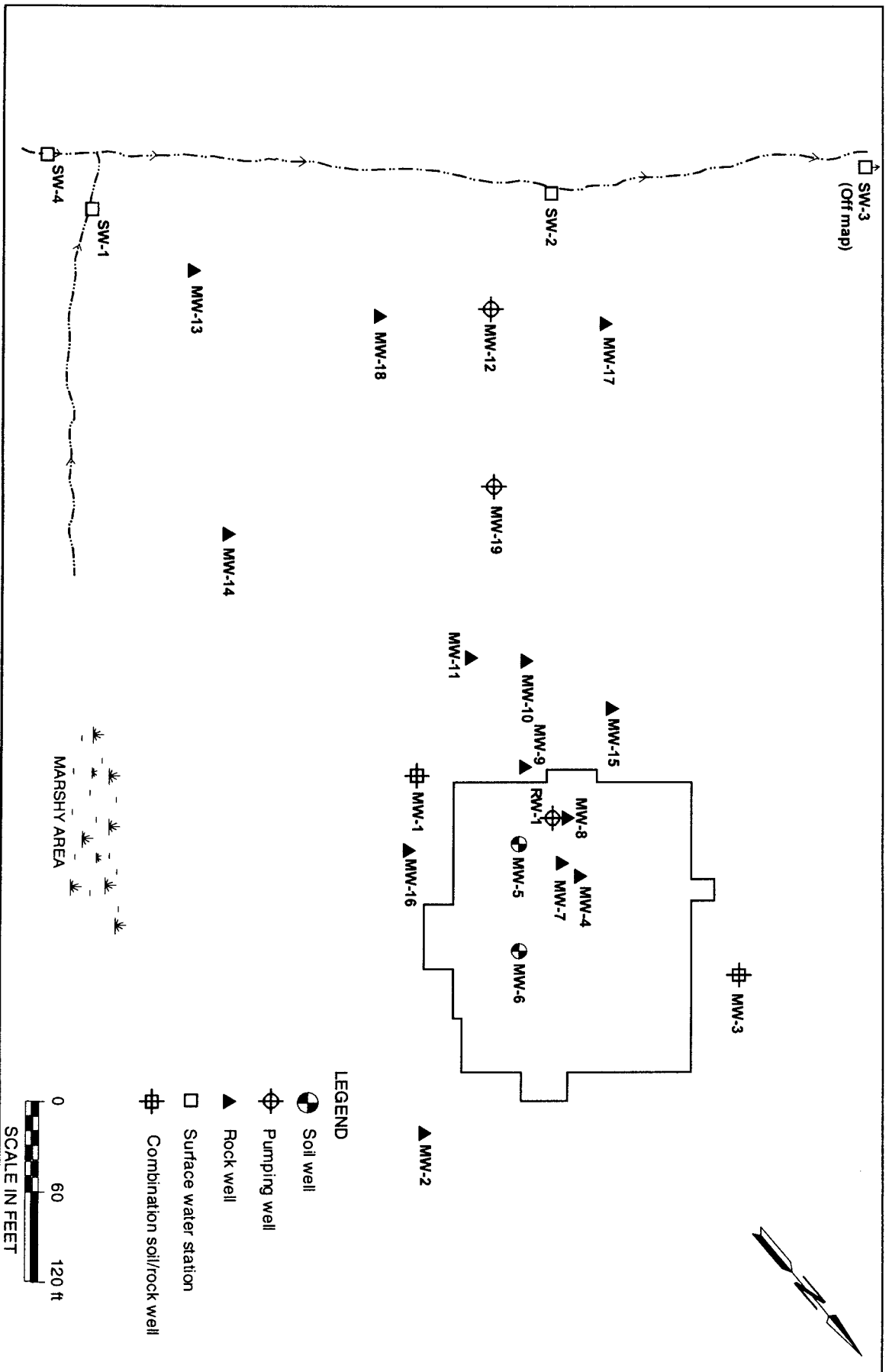
- Discontinue Groundwater Extraction and Treatment System
- Discontinue Monitoring Program

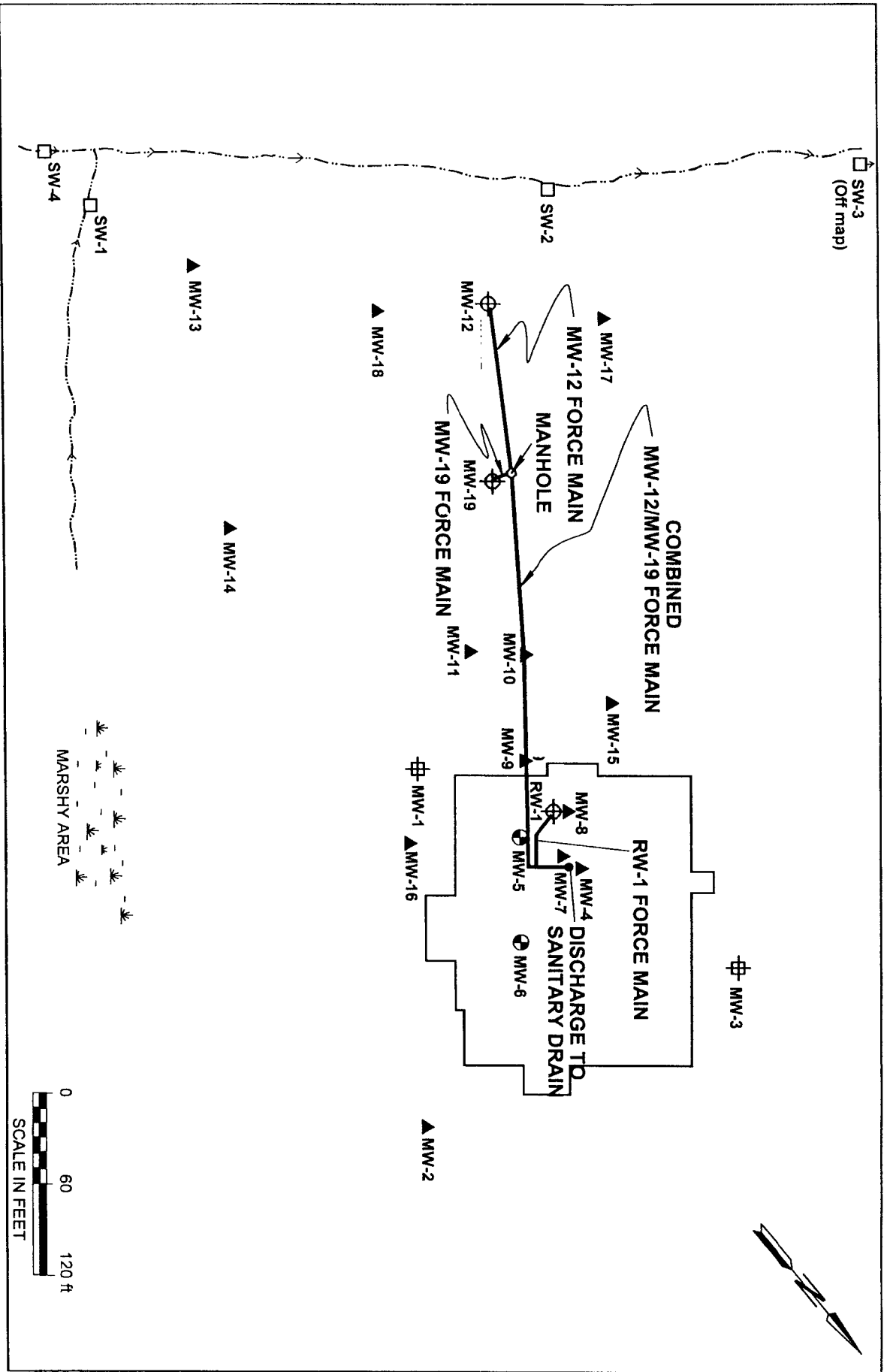
Alternative 2

- Discontinue Groundwater Extraction and Treatment System
- Continue Monitoring Program
- Connect to Public Water Supply

Alternative 3

- Continue Groundwater Extraction and Treatment System
- Continue Discharging to the Arlington POTW
- Continue Monitoring Program
- Connect to Public Water Supply, if Necessary





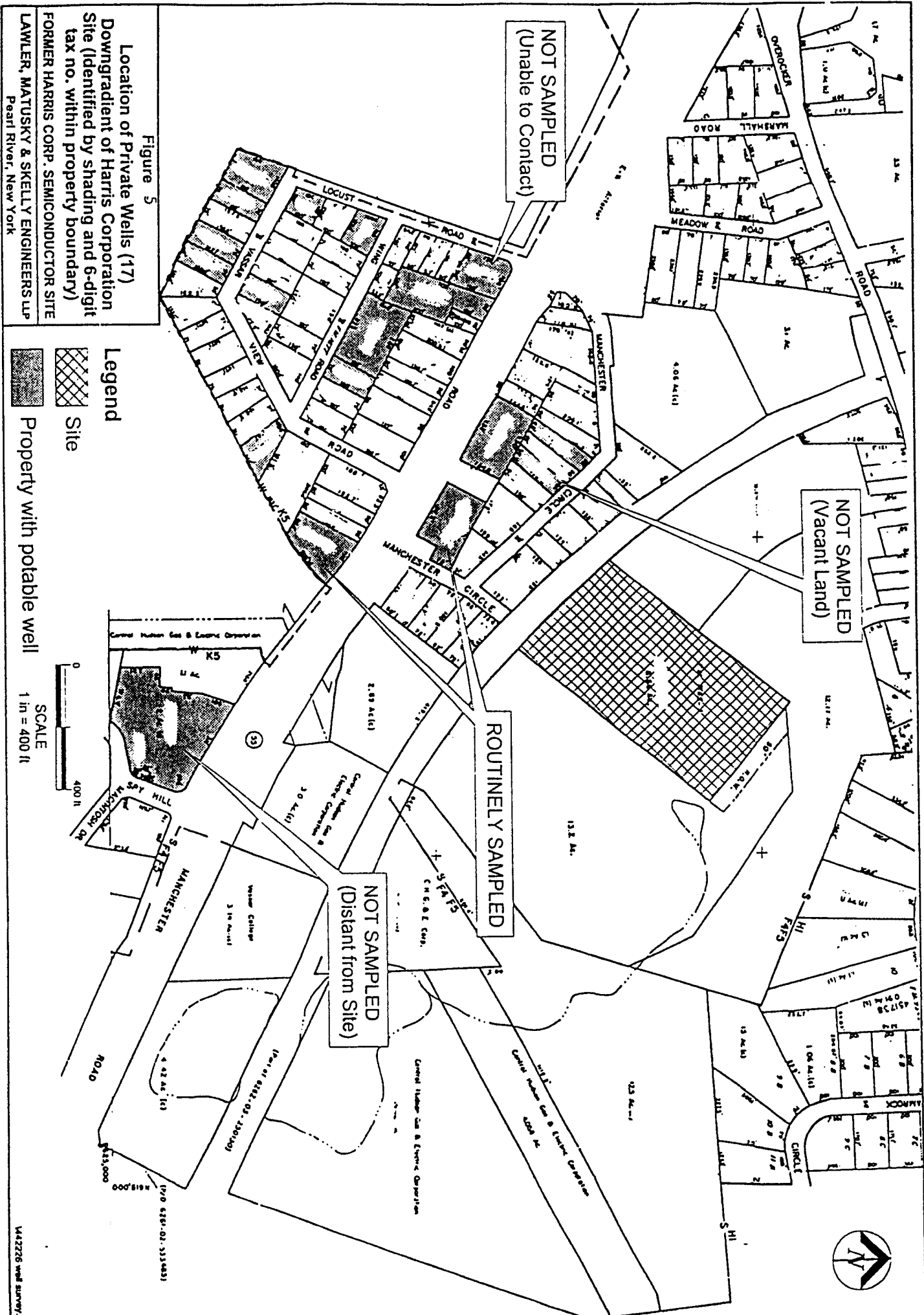


Figure 5

Location of Private Wells (17)
Downgradient of Harris Corporation
Site (Identified by shading and 6-digit
tax no. within property boundary)

FORMER HARRIS CORP. SEMICONDUCTOR SITE
LAWLER, MATUSKY & SKELLY ENGINEERS LLP
Pearl River, New York

Legend

- Site
- Property with potable well

SCALE
1 in = 400 ft

Alternative 4

- Continue Groundwater Extraction and Treatment System
- Eliminate Groundwater Discharge to POTW
- Construct Onsite Groundwater Treatment System
- Discharge Treated Effluent to Onsite Surface Water
- Continue Monitoring Program
- Connect to Public Water Supply, if Necessary

Proposed Remedy:

Alternative 3

- Continue Groundwater Extraction and Treatment System
- Continue Discharging to the Arlington POTW
- Continue Monitoring Program
- Connect to Public Water Supply, if Necessary

Your Questions & Comments

- Written comments postmarked by
March 13, 2001
- Send to:

John J. Rashak

NYSDEC - Region 3 Headquarters

Division of Environmental Remediation

21 South Putt Corners Road

New Paltz, NY 12561-1696

New York State Department of Environmental Conservation