

1-30-004



GLENN SPRINGS HOLDINGS, INC.

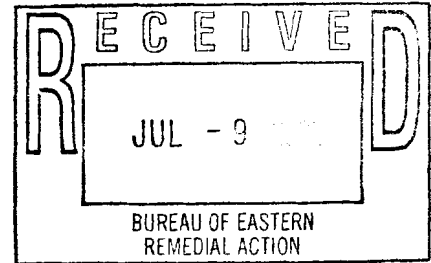
2480 Fortune Drive, STE 300 - Lexington, KY 40509

Stephen A Whyte
Vice President, Operations

Telephone (859) 543-2151
FAX (859) 543-2171

June 27, 2002

Mr. Syed Quadri
Western New York Remediation Section
Emergency and Remedial Response Division
United States Environmental , Protection Agency
Region II
290 Broadway, 20th Floor
New York, NY
10007-1866



Dear Mr. Quadri:

Re: GSHI Presentation for June 26, 2002 TAC Meeting
Hooker/Ruco Site, Hicksville, New York

Pursuant to your request of June 26, 2002, please find attached a copy of the presentation given by Steve Whyte and Jim Kay during the TAC Meeting held on June 26, 2002.

Please contact me at (859) 543-2151 or e-mail steve_whyte@oxy.com if you have any questions.

Sincerely yours,

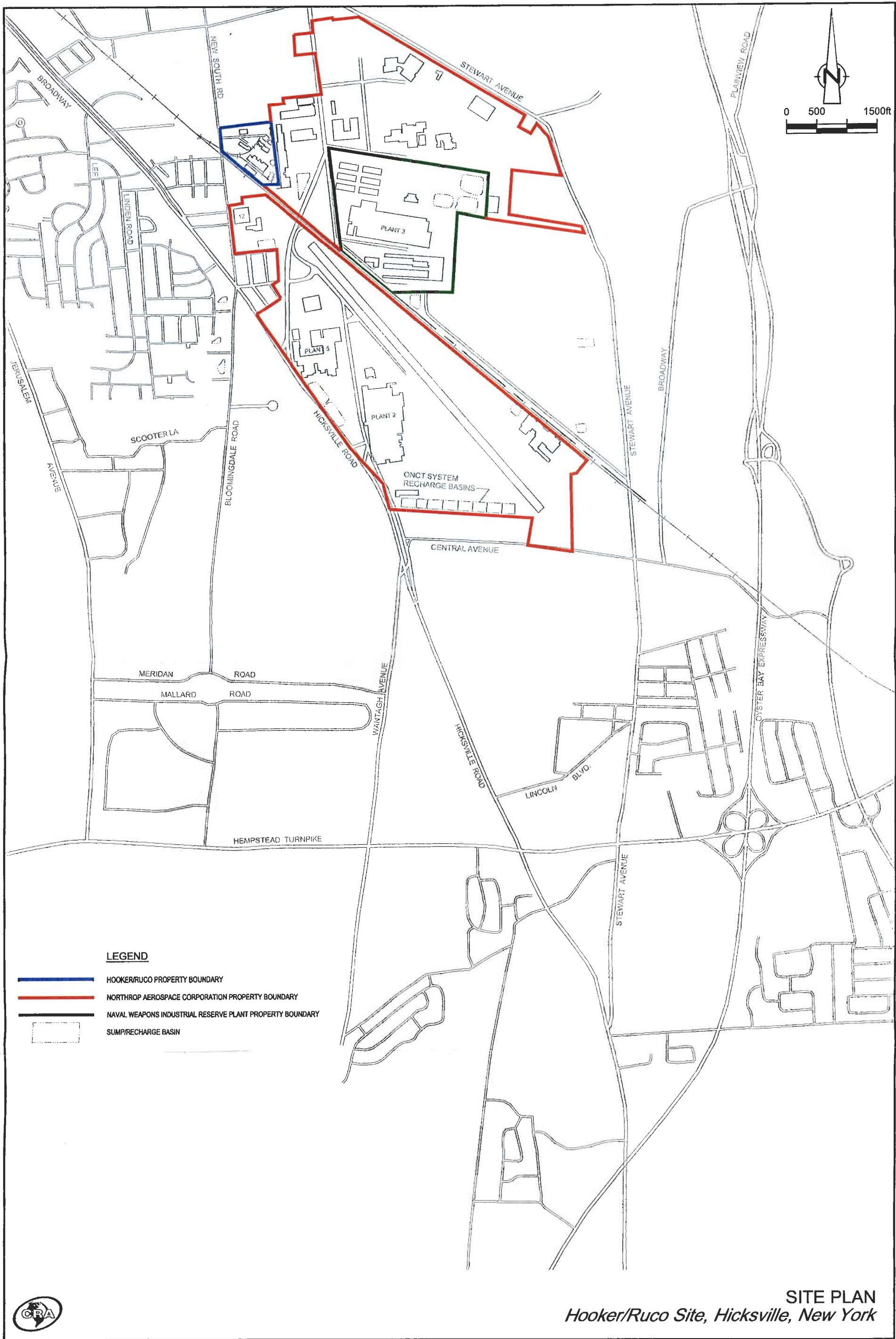
for Klaus Schmidt
Steve Whyte
Project Manager

KDS/rcc/6883/108
Encl.

c.c.: K. Lynch (USEPA)
S. Scharf (NYSDEC)
J. Cofman (Northrop)
L. Leskovjan (Northrop)

TAC MEETING
HOOKER/RUCO SITE

HICKSVILLE, NEW YORK
JUNE 26, 2002



LEGEND

- HOOKER/RUCO PROPERTY BOUNDARY
- NORTHROP AEROSPACE CORPORATION PROPERTY BOUNDARY
- NAVAL WEAPONS INDUSTRIAL RESERVE PLANT PROPERTY BOUNDARY
- SUMP/RECHARGE BASIN

SITE PLAN
Hooker/Ruco Site, Hicksville, New York



OWNERSHIP HISTORY

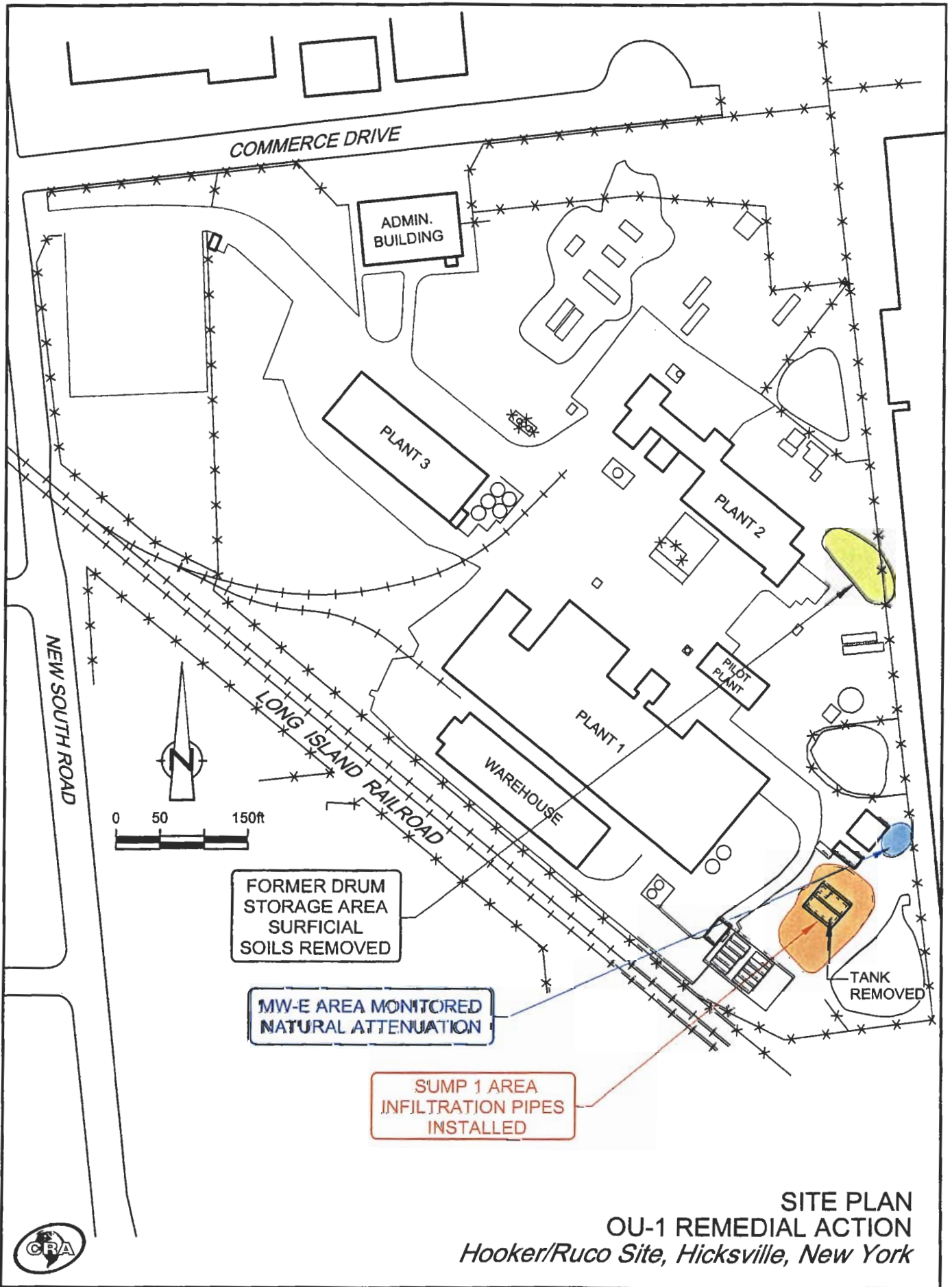
- Rubber Corporation of America
 - 1945 to 1965
- Hooker Chemical Corporation
 - 1965 to 1968
- OxyChem (Occidental Petroleum Corporation)
 - 1968 to 1982
- Ruco Chemical Corporation
 - 1982 to 1998
- Ruco Polymers, a subsidiary of Sybron Chemicals, Inc.
 - 1998 to 2000
- Bayer Corporation
 - 2000 to date
- Facility Closure Announced in March 2002

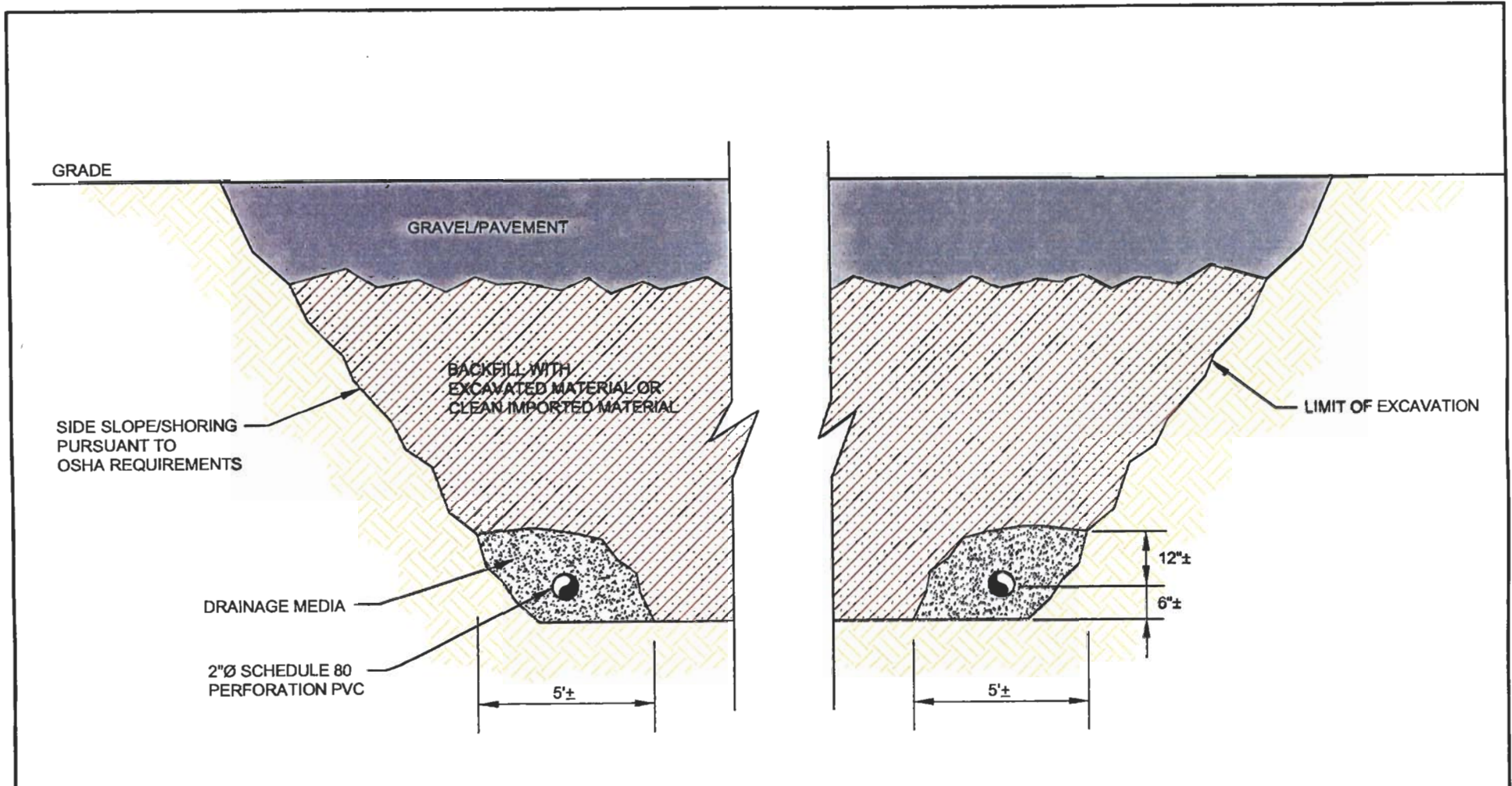
Discussion Items

- OU-1 On-Site Soil Remedial Actions
- OU-2 On-Site PCB Soil
 - Completed March 1993
- OU-3 Off-Site Groundwater
 - Plume Delineation
 - Biosparge Testing
- Northrop GP-1/GP-3 Water Treatment System Modification Activities

OU-1 On-Site Soil Remedial Actions

- Former Drum Storage Area:
 - Removal and Off-Site Disposal of Soils with Chemicals above Criteria (300+ tons);
 - Completed January 2002
- MW-E Area:
 - Monitored Natural Attenuation for VOCs;
- Sump 1:
 - Soil Flushing and Monitoring.
 - System Installed
 - Flushing
 - Semi Annually (Year 1)
 - Annually (Years 2-3)
 - First Flush - August 2002

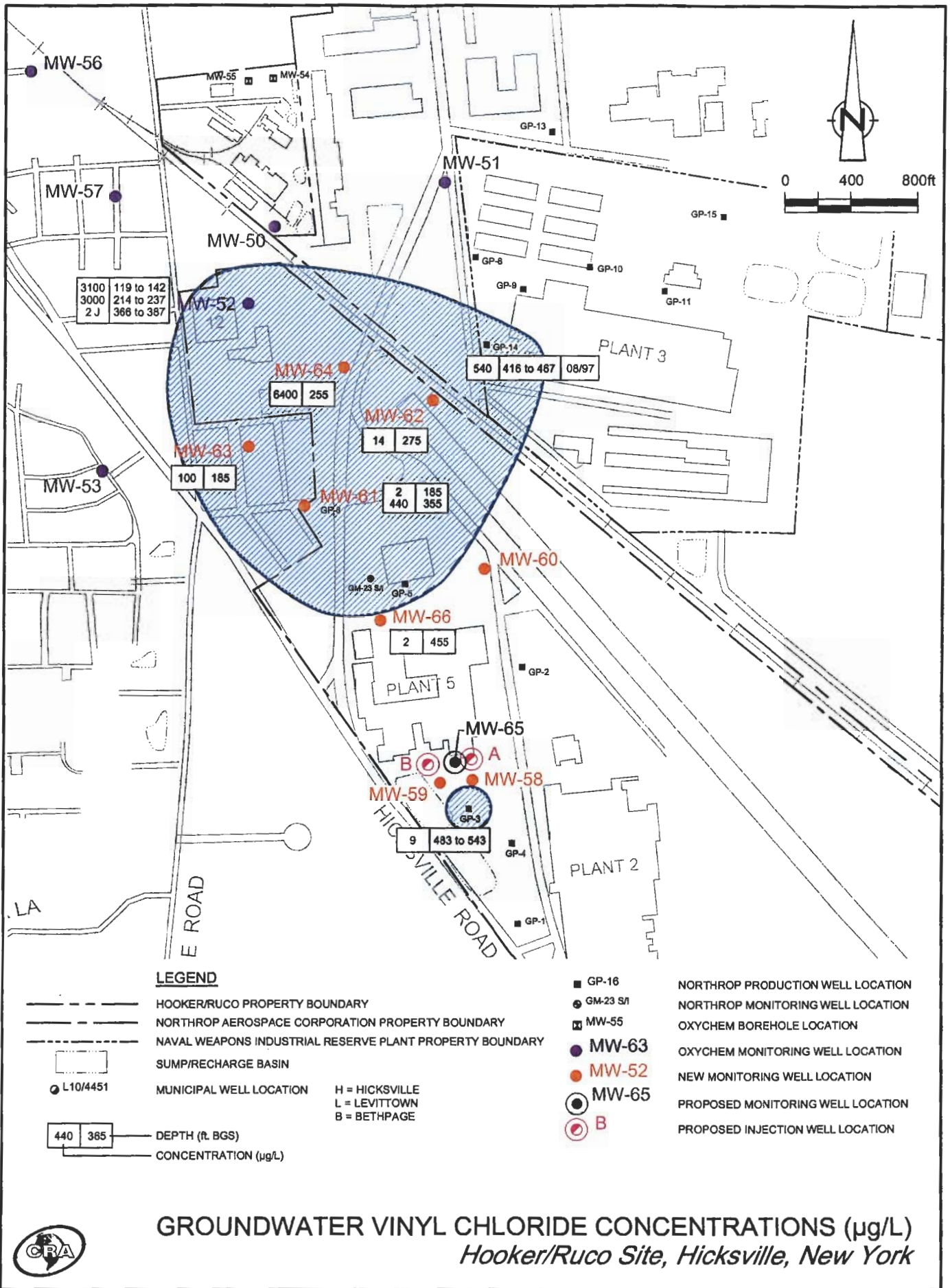




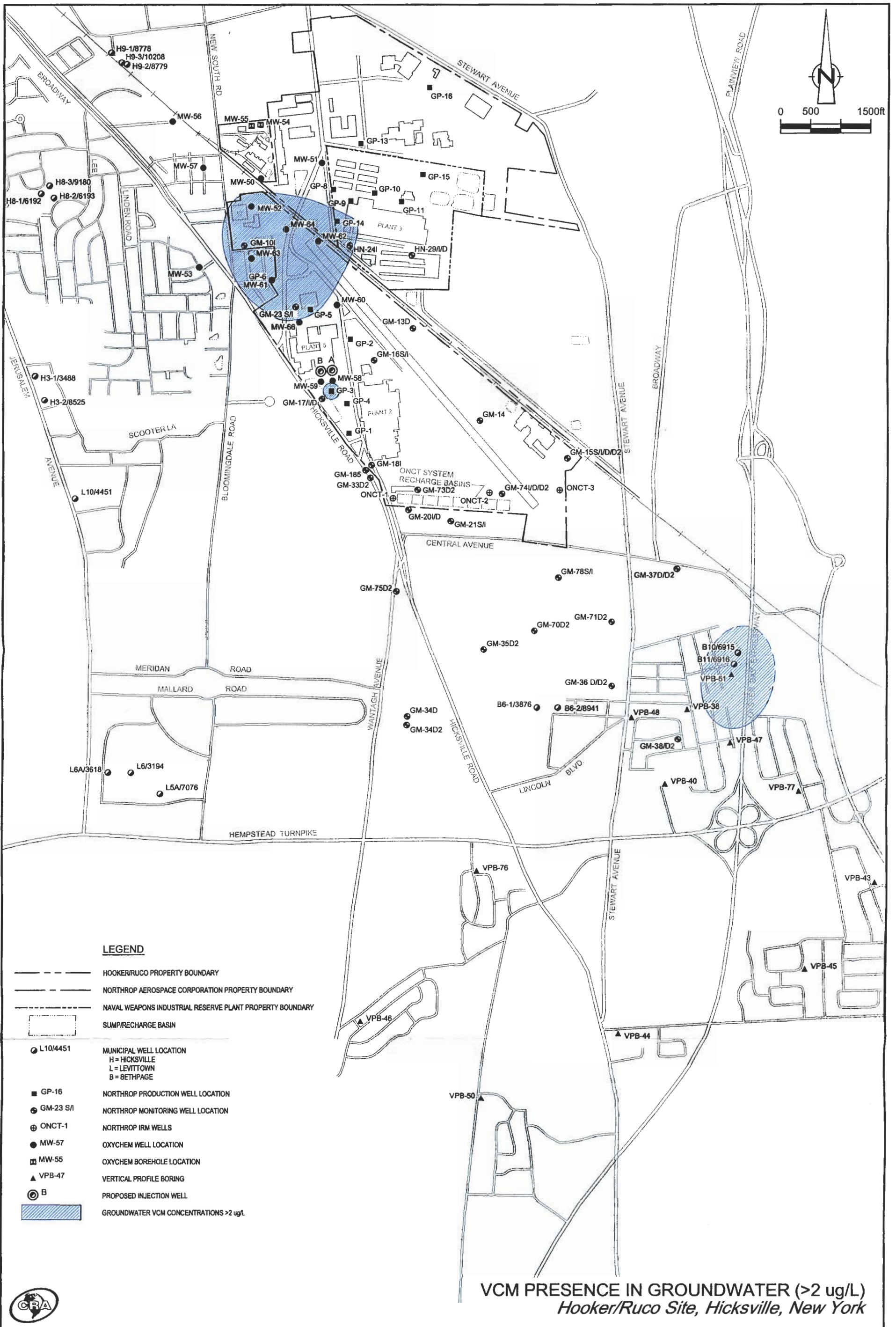
NOT TO SCALE

CROSS-SECTION A-A' SCHEMATIC OF
 SUMP 1 INFILTRATION SYSTEM
Hooker/Ruco Site, Hicksville, New York





GROUNDWATER VINYL CHLORIDE CONCENTRATIONS (µg/L)
Hooker/Ruco Site, Hicksville, New York

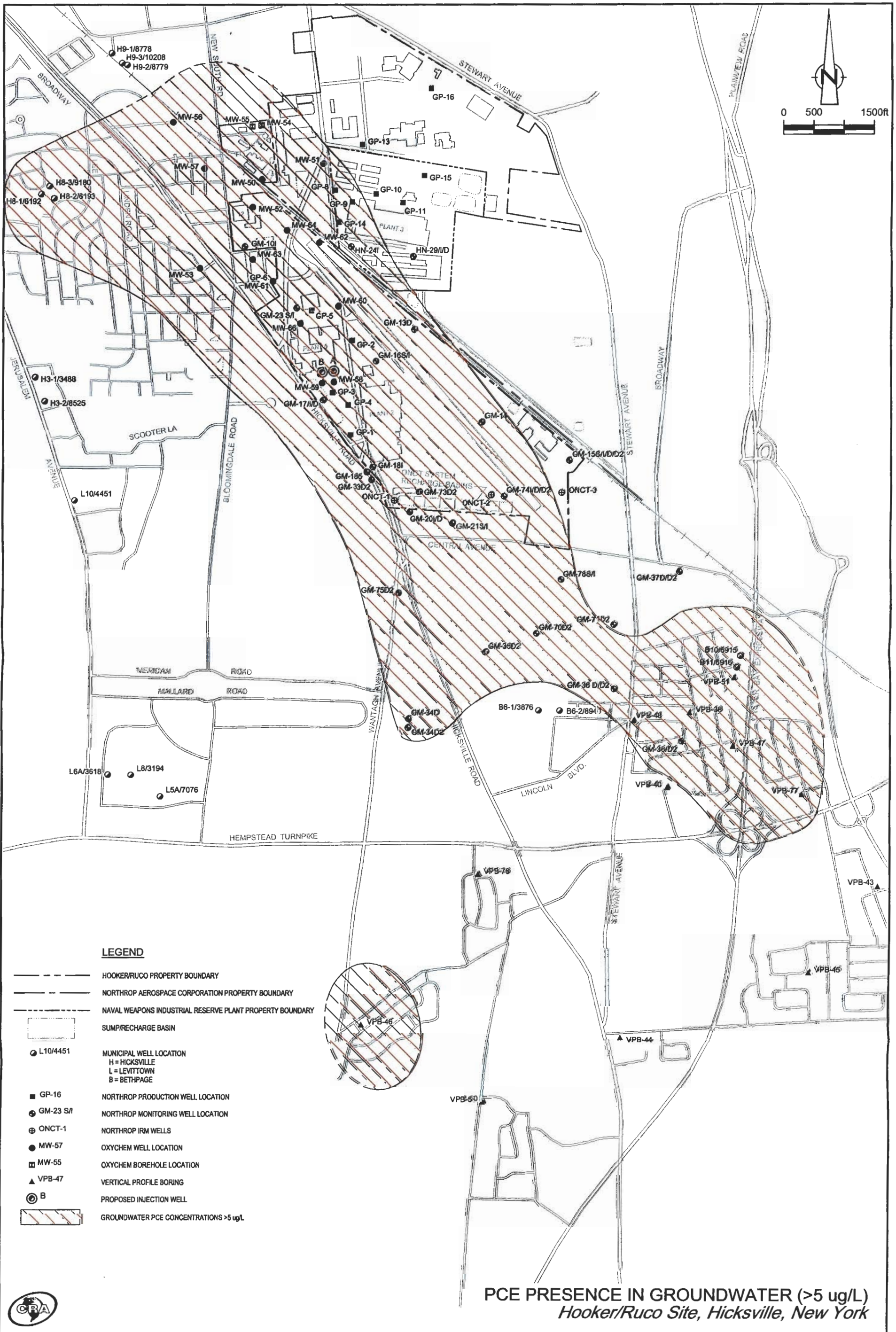


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- SUMP/RECHARGE BASIN
- L10/4451 MUNICIPAL WELL LOCATION
H = HICKSVILLE
L = LEVITTOWN
B = BETHPAGE
- GP-16 NORTHROP PRODUCTION WELL LOCATION
- GM-23 S/I NORTHROP MONITORING WELL LOCATION
- ⊕ ONCT-1 NORTHROP IRM WELLS
- MW-57 OXYCHEM WELL LOCATION
- MW-55 OXYCHEM BOREHOLE LOCATION
- ▲ VPB-47 VERTICAL PROFILE BORING
- ⊙ B PROPOSED INJECTION WELL
- GROUNDWATER VCM CONCENTRATIONS >2 ug/L

VCM PRESENCE IN GROUNDWATER (>2 ug/L)
Hooker/Ruco Site, Hicksville, New York





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- ▲ VPB-47 VERTICAL PROFILE BORING
- ⊙ B PROPOSED INJECTION WELL
- ▨ GROUNDWATER PCE CONCENTRATIONS >5 ug/L

PCE PRESENCE IN GROUNDWATER (>5 ug/L)
Hooker/Ruco Site, Hicksville, New York





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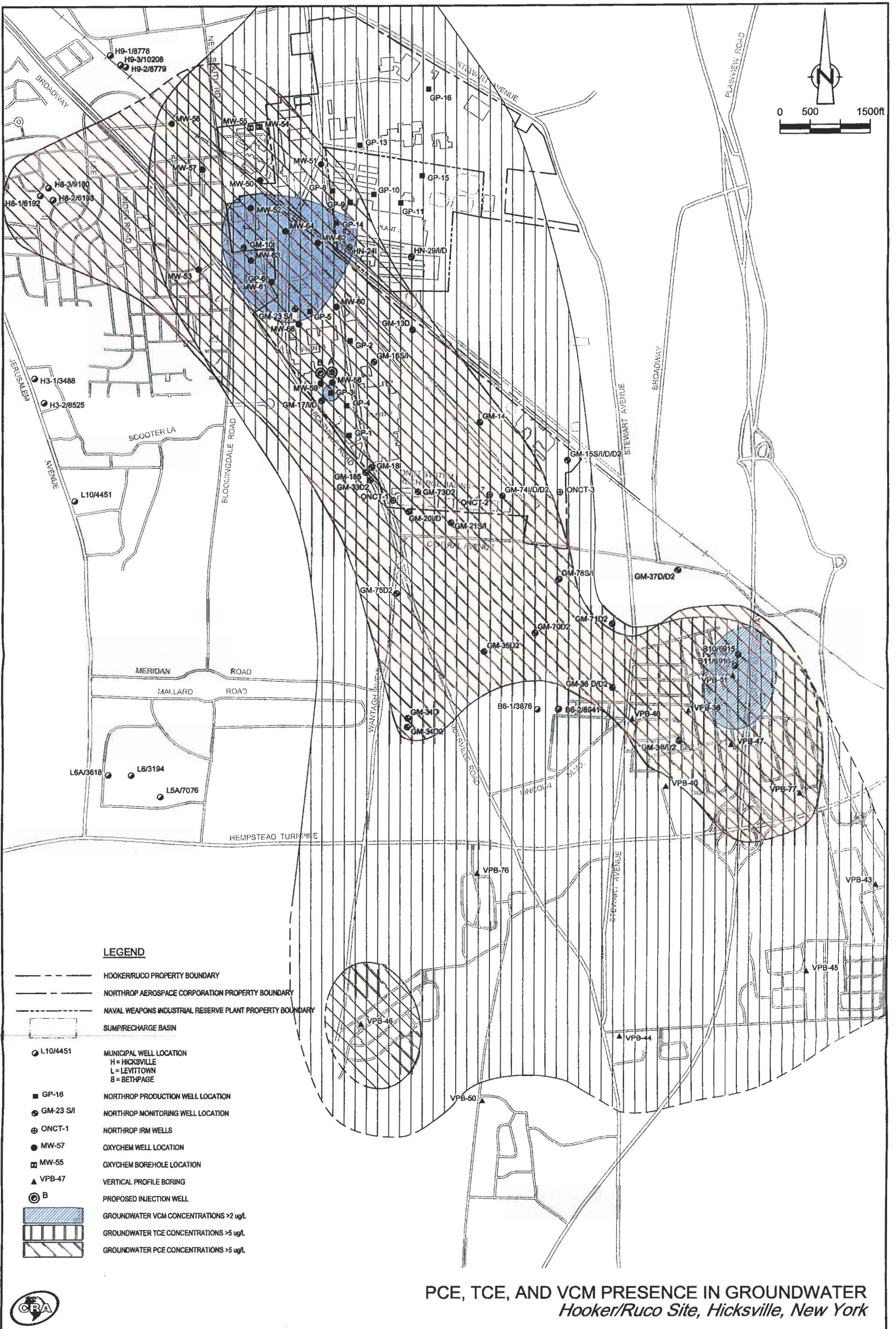
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- GROUNDWATER TCE CONCENTRATIONS >5 ug/L

TCE PRESENCE IN GROUNDWATER (>5 ug/L)
Hooker/Ruco Site, Hicksville, New York



OU-3 OFF-SITE GROUNDWATER INVESTIGATIVE ACTIVITIES

- Further Delineate VCM Subplume:
 - Phase I - Underway
 - Installed 12 monitoring wells at 8 locations (MW-58 to MW-64 and MW-66);
 - Collect and analyze groundwater samples (June to August, 2002)
 - Phase 2 - Begin in October
 - Install 2 additional injection wells
 - Install 6 vadose zone monitoring wells.
 - Install 1 additional monitoring well

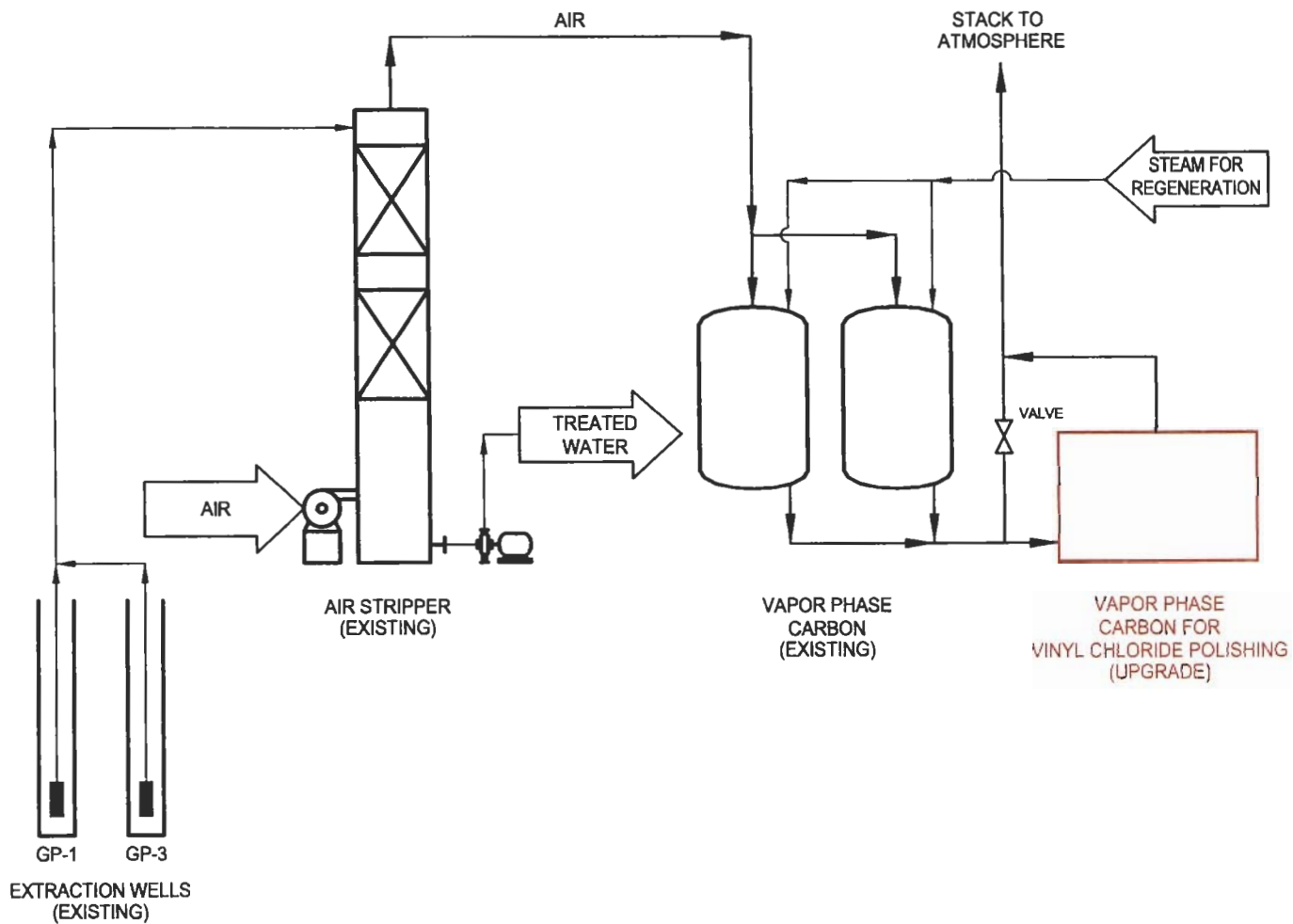


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- ▲ VPB-47 VERTICAL PROFILE BORING
- ⊙ B PROPOSED INJECTION WELL
- GROUNDWATER VCM CONCENTRATIONS >2 ug/L
- GROUNDWATER TCE CONCENTRATIONS >5 ug/L
- GROUNDWATER PCE CONCENTRATIONS >5 ug/L

PCE, TCE, AND VCM PRESENCE IN GROUNDWATER
Hooker/Ruco Site, Hicksville, New York





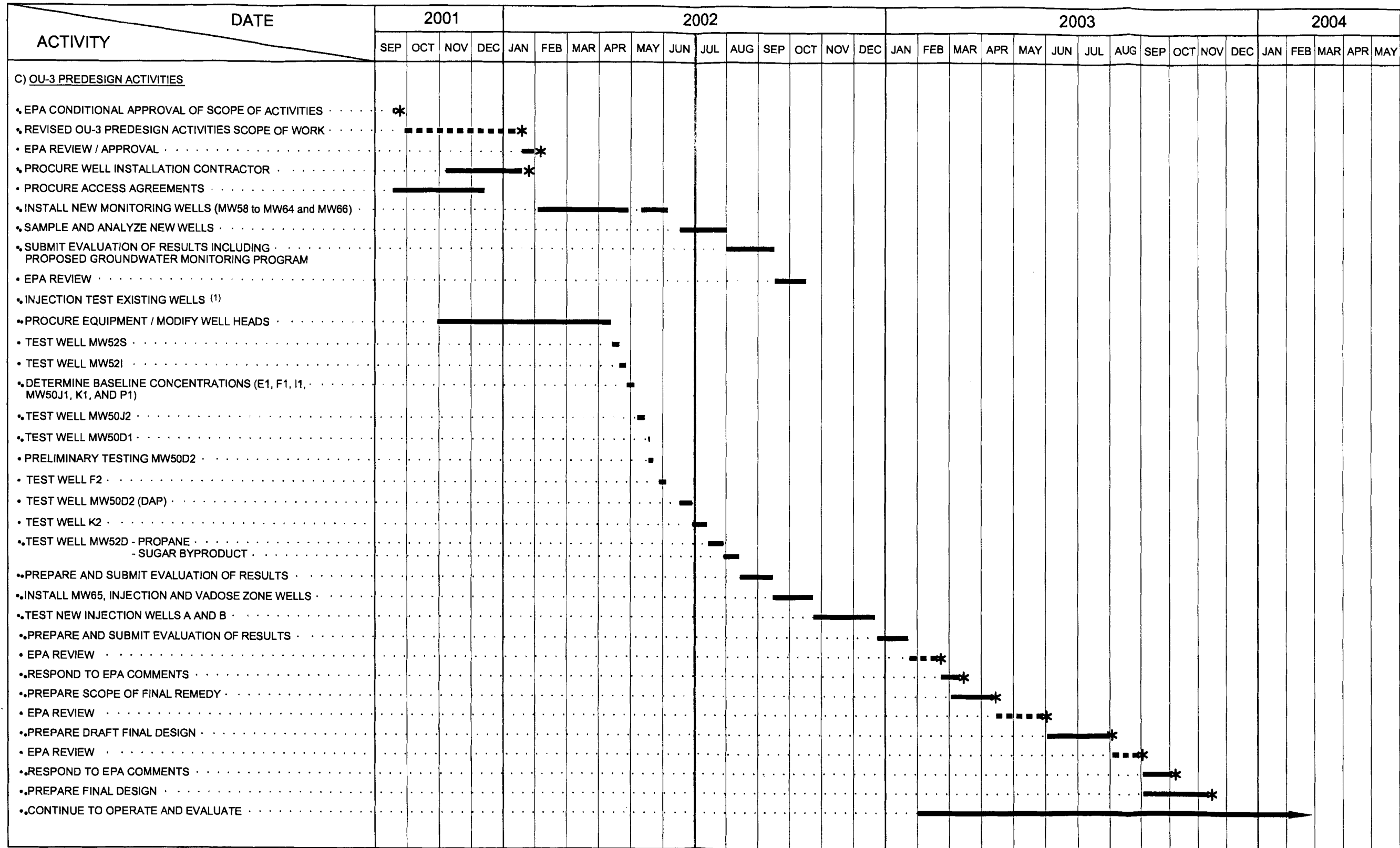
VAPOR CARBON TREATMENT UPGRADE
Hooker/Ruco Site, Hicksville, New York



ACTIVITY	DATE																						
	2001			2002			2003			2004													
	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		
A) OU-1 REMEDIAL ACTION																							
• RA CONSTRUCTION / EXCAVATION				—	—*	—																	
• RA IMPLEMENTATION REPORT					—*																		
• EPA REVIEW							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
• FLUSH SOIL																							
• MONITORING FOR SOIL FLUSHING																							
B) NORTHRUP GP-1 / GP-3 TREATMENT SYSTEM MODIFICATION																							
• ISSUED FOR CONSTRUCTION DOCUMENTS PROVIDED TO CONTRACTOR					*																		
• CONTRACTOR SUBMITTAL PREPARATION / EQUIPMENT PROCUREMENT					—	—																	
• SYSTEM CONSTRUCTION																							
• SYSTEM STARTUP / SHAKEDOWN																							
• SYSTEM OPERATION																							



OU-1 REMEDIAL ACTION AND
OU-3 PREDESIGN ACTIVITIES SCHEDULE
Hooker/Ruco, Hicksville, New York



(1) TIMING OF ACTIVITIES MAY BE SUBJECT TO CHANGE DUE TO WEATHER CONDITIONS

OU-1 REMEDIAL ACTION AND
 OU-3 PREDESIGN ACTIVITIES SCHEDULE
 Hooker/Ruco, Hicksville, New York



OU-3 OFF-SITE GROUNDWATER BIOSPARGE INJECTION

- Currently completing Injection Tests at 6 wells
 - air
 - helium tracer
- Performing injection tests at 2 wells with Enhancements
 - Diammonium Phosphate
 - Propane
 - Sugar By-products
- Evaluate Data/Develop Injection System
- Set up and Operate Injection System

NORTHROP GP-1/GP-3 WATER TREATMENT SYSTEM MODIFICATION

- Construct Two Supplemental Carbon Beds;
- Connected to vapor exhaust from Northrop system;
- Design/Construction completed in < 1 year
- Startup/Shakedown - Underway
 - Started week of June 20, 2002
 - Fully operational in July