BCM

BCM Engineers

Engineers, Planners, Scientists and Laboratory Services

One Plymouth Meeting • Plymouth Meeting, PA 19462 • (215) 825-3800

March 6, 1990

Ms. Maureen Essenthier
Project Coordinator
USEPA Region III
841 Chestnut Building
Philadelphia, PA 19107

Subject: Rohm and Haas Landfill RFI
EPA Comment Letter, Received November 12, 1989
BCM Project No. 00-6201-21

Dear Ms. Essenthier:

As outlined in BCM Engineers Inc. (BCM) letter of February 6, 1990, attached to this letter are two copies each of the following:

1. Photographs taken during the 1984 test pit investigation of the Bristol Landfill. Figure 1 from the February 1985 "Landfill Investigation, Volume V, Part 2. Confirmation Test Pit Report" is included for identification of the location of each test pit.

2. Figures 4-2 and 4-10 from the March 1988 "Bristol Landfill Remedial Investigation Addendum" which have been revised to include the Bristol Township Authority property.

3. Listing of all groundwater monitoring data collected for those wells located on or adjacent to the Bristol Township Authority property. Please note that all of this data has previously been submitted to the EPA in one or more of the landfill investigation related reports.

4. The summary table presented in the Introduction (p. vi) to the March 1988 "Public Health and Environmental Risk Assessment for the Bristol Landfill" has been revised per Tables A and B attached to this letter.

BCM

Should you have any questions regarding the enclosed information or any landfill related issues, please do not hesitate to contact Paul D. Rosenstock (215-785-8470) or us.

Very truly yours,

Mary M. Mang

Mary M. Mang
Assistant Vice President

William H. Fleming, P.E.
Senior Vice President

/mjo 04680
Enclosures
cc: P.D. Rosenstock, Rohm and Haas (attachments)
G.A. Schnabel, Rohm and Haas (no attachments)

BCM

ATTACHMENT 1

00-4061-13
TP-19

November 1984
Landfill Section A

00-4061-13
TP-19

November 1984
Landfill Section A

00-4061-13
TP-19

November 1984
Landfill Section A

00-4061-13
TP-19

November 1984
Landfill Section A

00-4061-13
TP-20

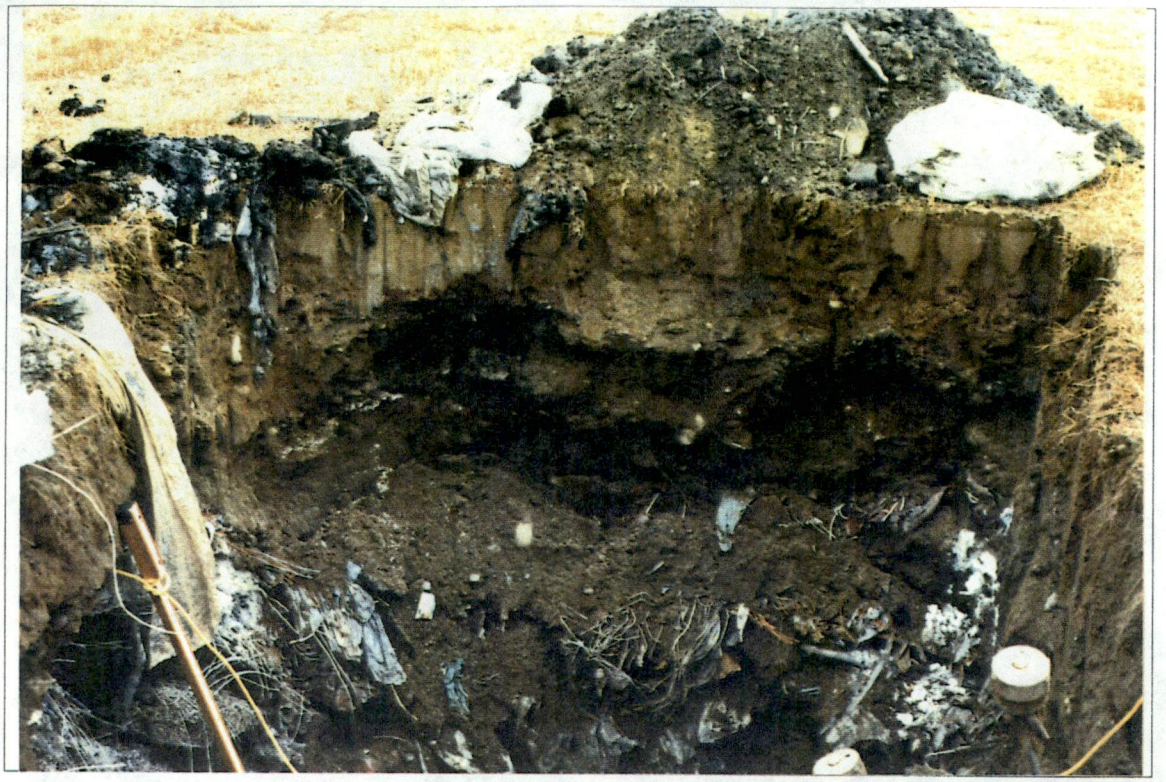
November 1984
Landfill Section A

00-4061-13
TP-20

November 1984
Landfill Section A

00-4061-13 November 1984

TP-21 **Landfill Section A**



00-4061-13
TP-20

November 1984
Landfill Section A

00-4061-13
TP-21

November 1984
Landfill Section A

00-4061-13 November 1984

TP-23 **Landfill Section A**

00-4061-13
TP-21

November 1984
Landfill Section A

00-4061-13
TP-22

November 1984
Landfill Section A

00-4061-13 November 1984

TP-22 **Landfill Section A**

00-4061-13
TP-23

November 1984
Landfill Section A

00-4061-13
TP-24

November 1984
Landfill Section A

00-4061-13
TP-24

November 1984
Landfill Section A

00-4061-13
TP-24

November 1984
Landfill Section A

00-4061-13
TP-34

November 1984
Landfill Section A

00-4061-13 November 1984

TP-34 **Landfill Section A**

00-4061-13
TP-35

November 1984
Landfill Section A

00-4061-13
TP-35

November 1984
Landfill Section A

00-4061-13
TP-35

November 1984
Landfill Section A

00-4061-13
TP-36

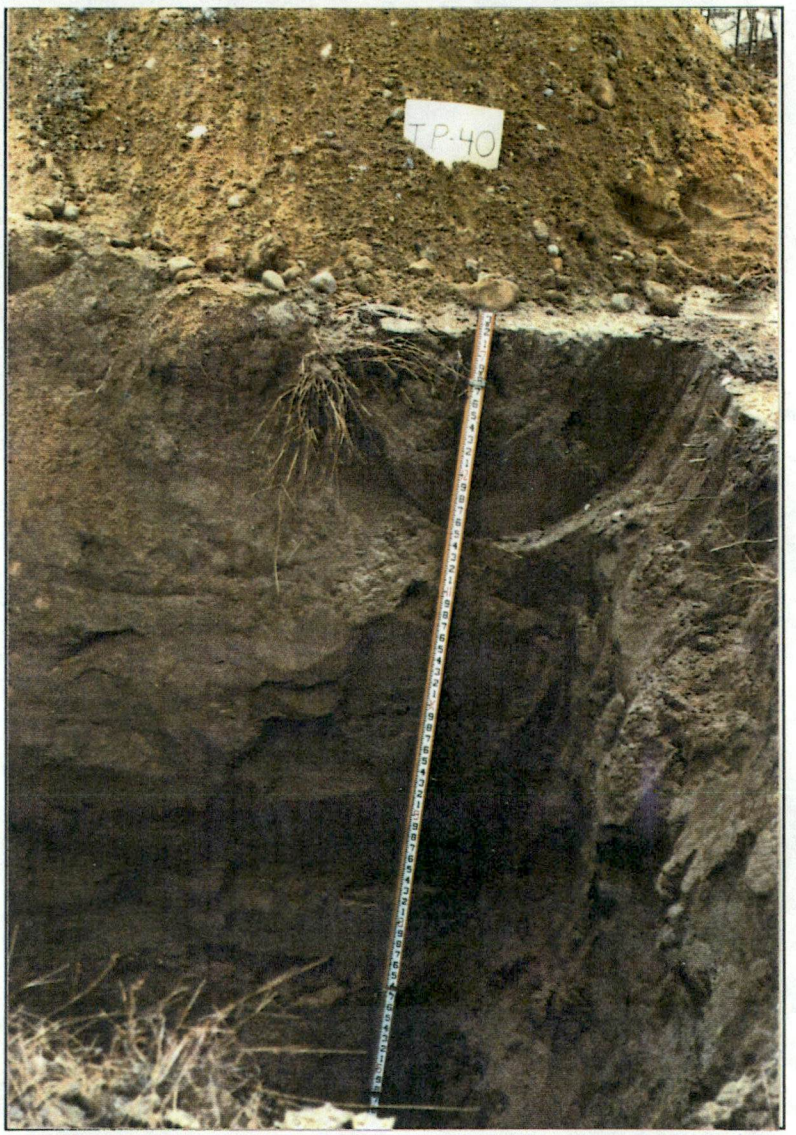
November 1984
Landfill Section A

00-4061-13
TP-36

November 1984
Landfill Section A

00-4061-13
TP-40

November 1984
Dredge Material Basin



00-4061-13 November 1984

TP-40 **Dredge Material Basin**

00-4061-13 November 1984

TP-40 **Dredge Material Basin**

00-4061-13
TP-41

November 1984
Dredge Material Basin

00-4061-13
TP-41

November 1984
Dredge Material Basin

00-4061-13 November 1984

TP-41 **Dredge Material Basin**

00-4061-13
TP-42

November 1984
Landfill Section A

00-4061-13 November 1984

TP-1 **Landfill Section B**

00-4061-13 November 1984

TP-1 **Landfill Section B**

00-4061-13
TP-1

November 1984
Landfill Section B

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TP-1

November 1984
Landfill Section B

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Landfill Section B

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Landfill Section B

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TP-1

November 1984
Landfill Section B

00-4061-13
TP-2

November 1984
Landfill Section B

00-4061-13 November 1984

TP-2 **Landfill Section B**

00-4061-13 November 1984

TP-2 **Landfill Section B**

00-4061-13
TP-2

November 1984
Landfill Section B

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TP-2

November 1984
Landfill Section B

00-4061-13 November 1984

TP-2 **Landfill Section B**

00-4061-13 November 1984

TP-2 **Landfill Section B**

00-4061-13 November 1984

TP-3 **Landfill Section B**

00-4061-13 November 1984

TP-3 **Landfill Section B**

00-4061-13 November 1984

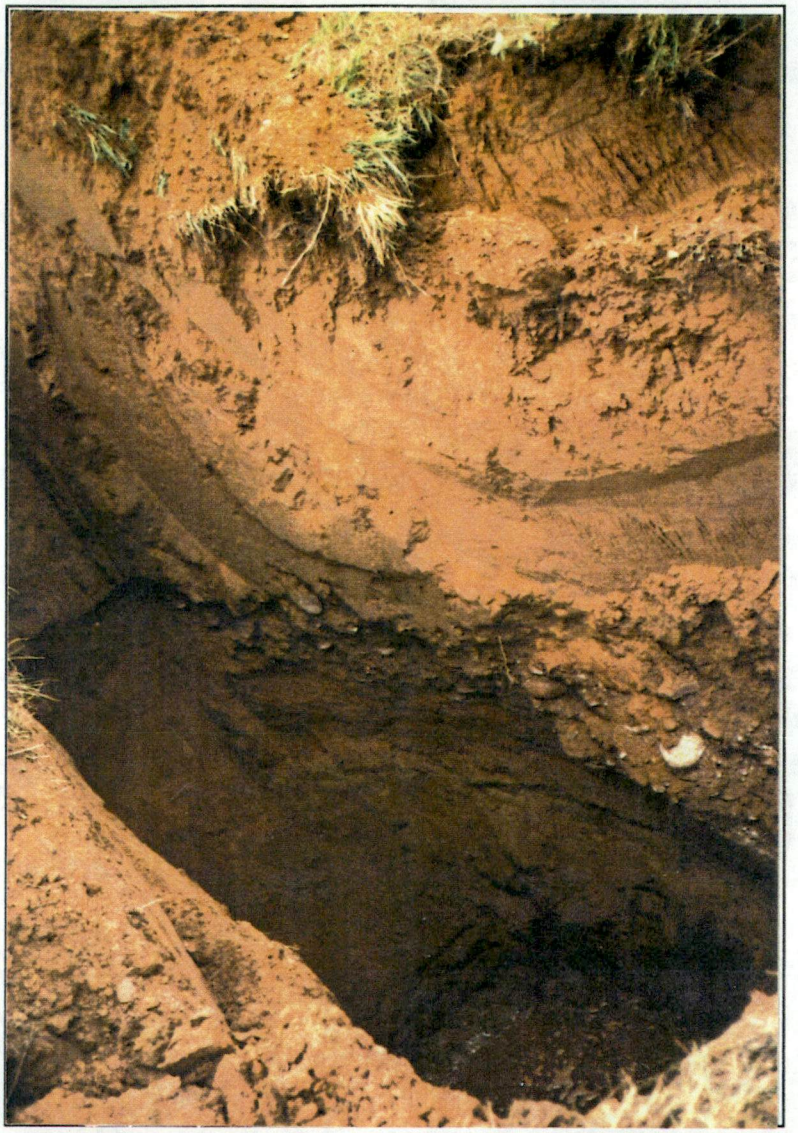
TP-14 **Landfill Section C**

00-4061-13
TP-4

November 1984
Landfill Section B

00-4061-13
TP-4

November 1984
Landfill Section B



00-4061-13 November 1984

TP-4 **Landfill Section B**

00-4061-13 November 1984

TP-14 **Landfill Section C**

00-4061-13 November 1984

TP-15 **Landfill Section C**

00-4061-13 November 1984

TP-15 **Landfill Section C**

00-4061-13 November 1984

TP-15 **Landfill Section C**

00-4061-13 November 1984

TP-16 **Landfill Section C**

00-4061-13 November 1984

TP-16 **Landfill Section C**

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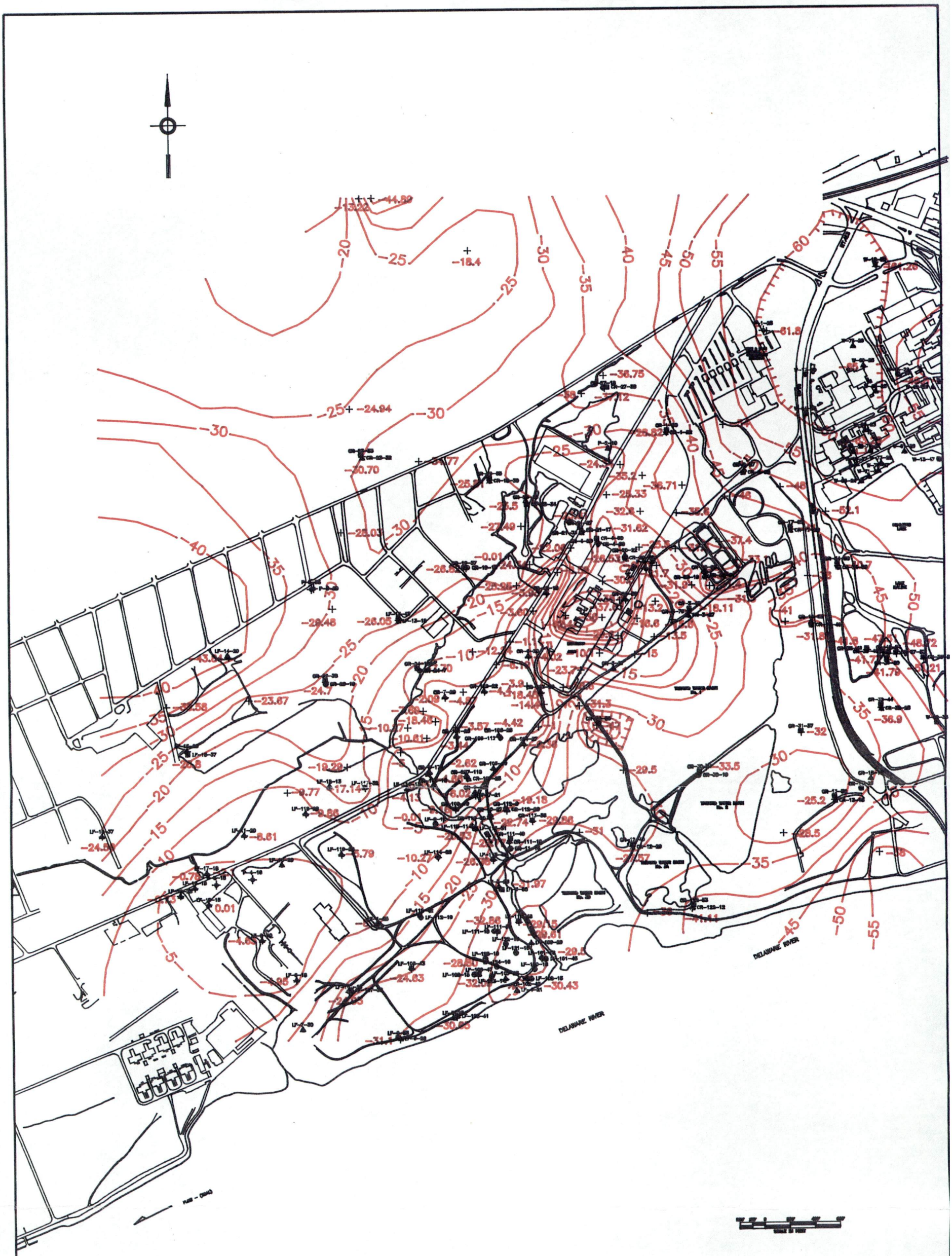
ATTACHMENT 2



LEGEND
MONITORING WELLS – BY AQUIFER ZONE

SYM	DESCRIPTION
●	HOLOCENE ALLUVIUM (WATER TABLE)
▲	TRENTON GRAVEL (WATER TABLE)
■	TRENTON GRAVEL (DEEP)
▼	RARITAN FORMATION
◆	WISSAHICKON FORMATION (BEDROCK)
■	SUPPLY WELL
✚	PIEZOMETER

CONTOUR INTERVAL = 5'

—10— BEDROCK SURFACE CONTOUR ELEVATION (feet, NGVD)

FIGURE 4–2

ROHM AND HAAS DELAWARE VALLEY INC.

RI Addendum

MAP OF BEDROCK SURFACE

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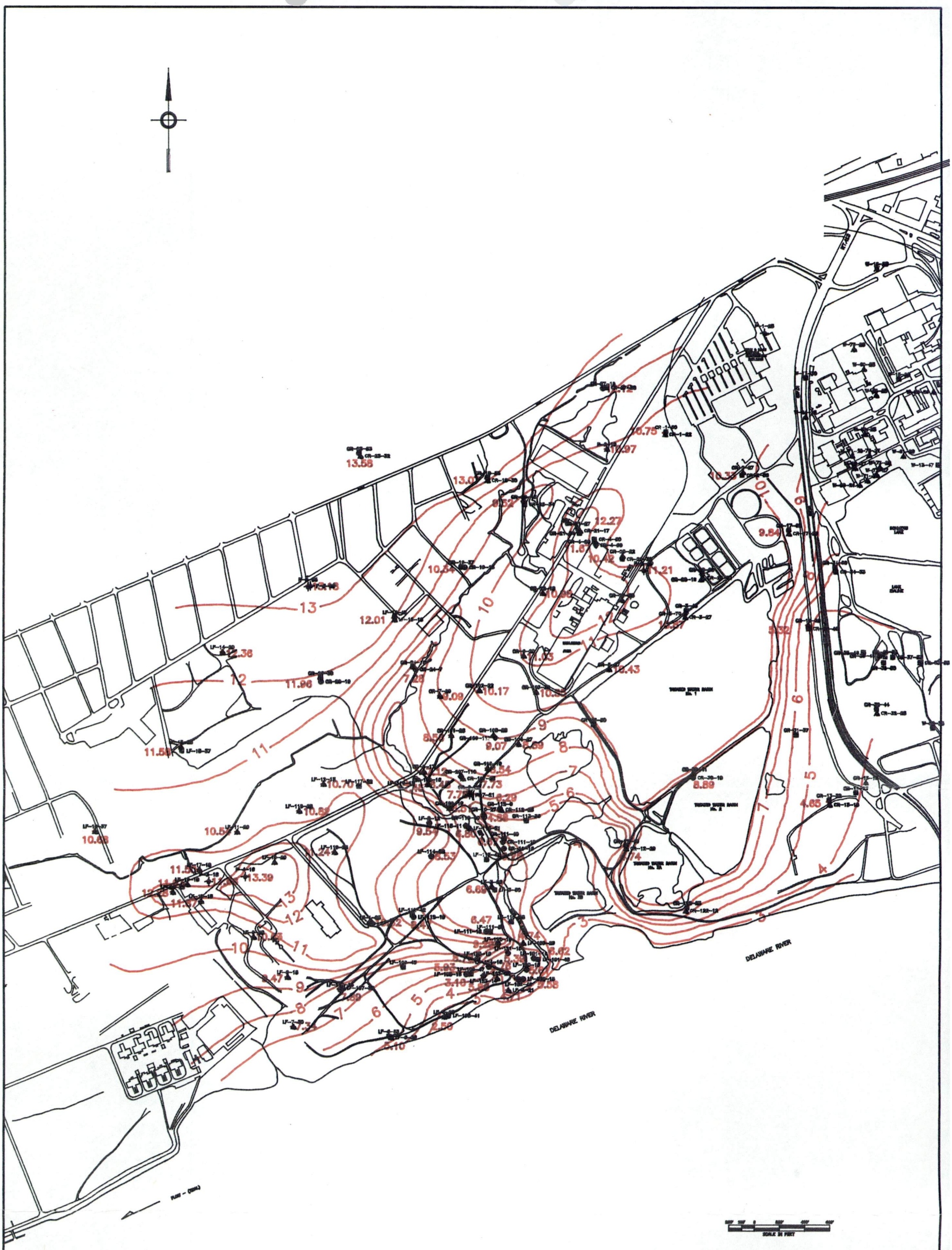
PROJECT No. 00–6201–21

000060



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MONITORING WELLS – BY AQUIFER ZONE

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▲	TRENTON GRAVEL (WATER TABLE)
■	TRENTON GRAVEL (DEEP)
▼	RARITAN FORMATION
◆	WISSAHICKON FORMATION (BEDROCK)
■	SUPPLY WELL
+	PIEZOMETER

CONTOUR INTERVAL = 1'

~10~ WATER LEVEL CONTOUR ELEVATION (feet, NGVD)

Figure 4-10
ROHM AND HAAS DELAWARE VALLEY INC.
RI Addendum
Water Table Contour Map
April 16, 1986

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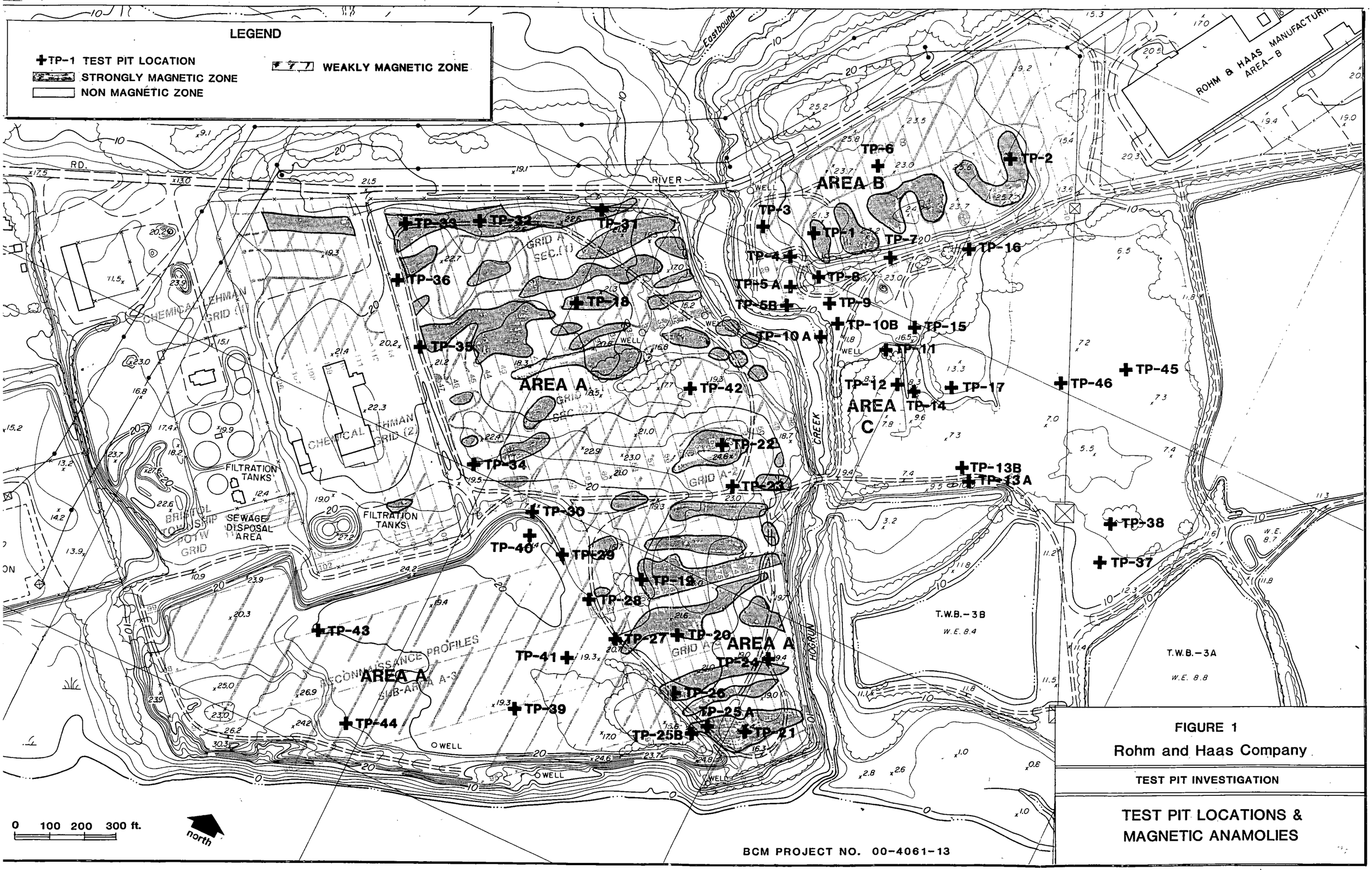

FIGURE 1

Rohm and Haas Company

TEST PIT INVESTIGATION

TEST PIT LOCATIONS & MAGNETIC ANAMOLIES

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