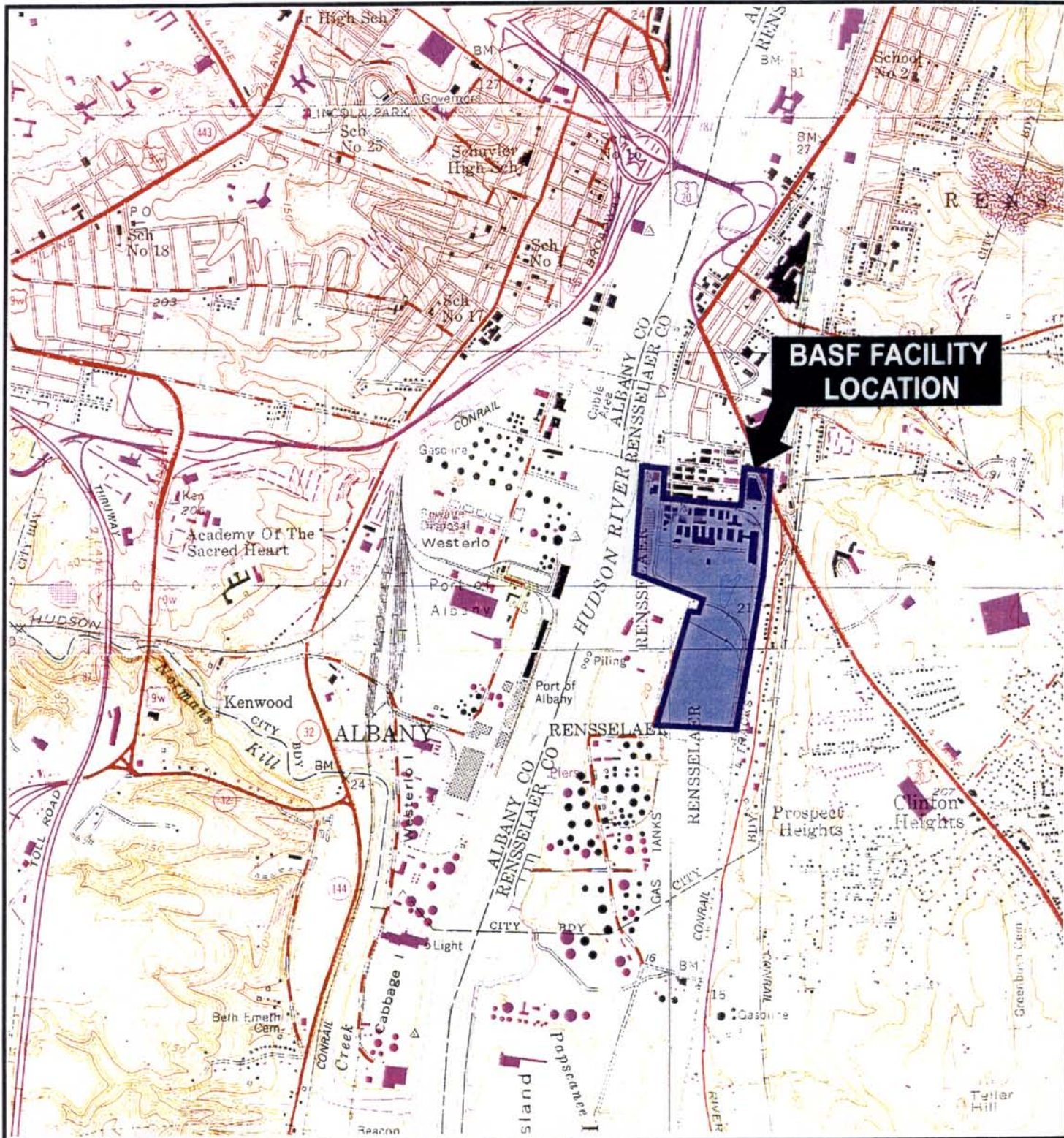


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QUADRANGLE LOCATION



SOURCE:
 USGS; 1980. Albany, New York;
 USGS; 1980. Troy South, New York
 USGS; 1980. Delmar, New York
 USGS; 1980. East Greenbush, New York
 7.5 Minute Topographic Quadrangles

0 2000'

Title:

SITE LOCATION MAP

Prepared for:

BASF CORPORATION
 MOUNT OLIVE, NEW JERSEY

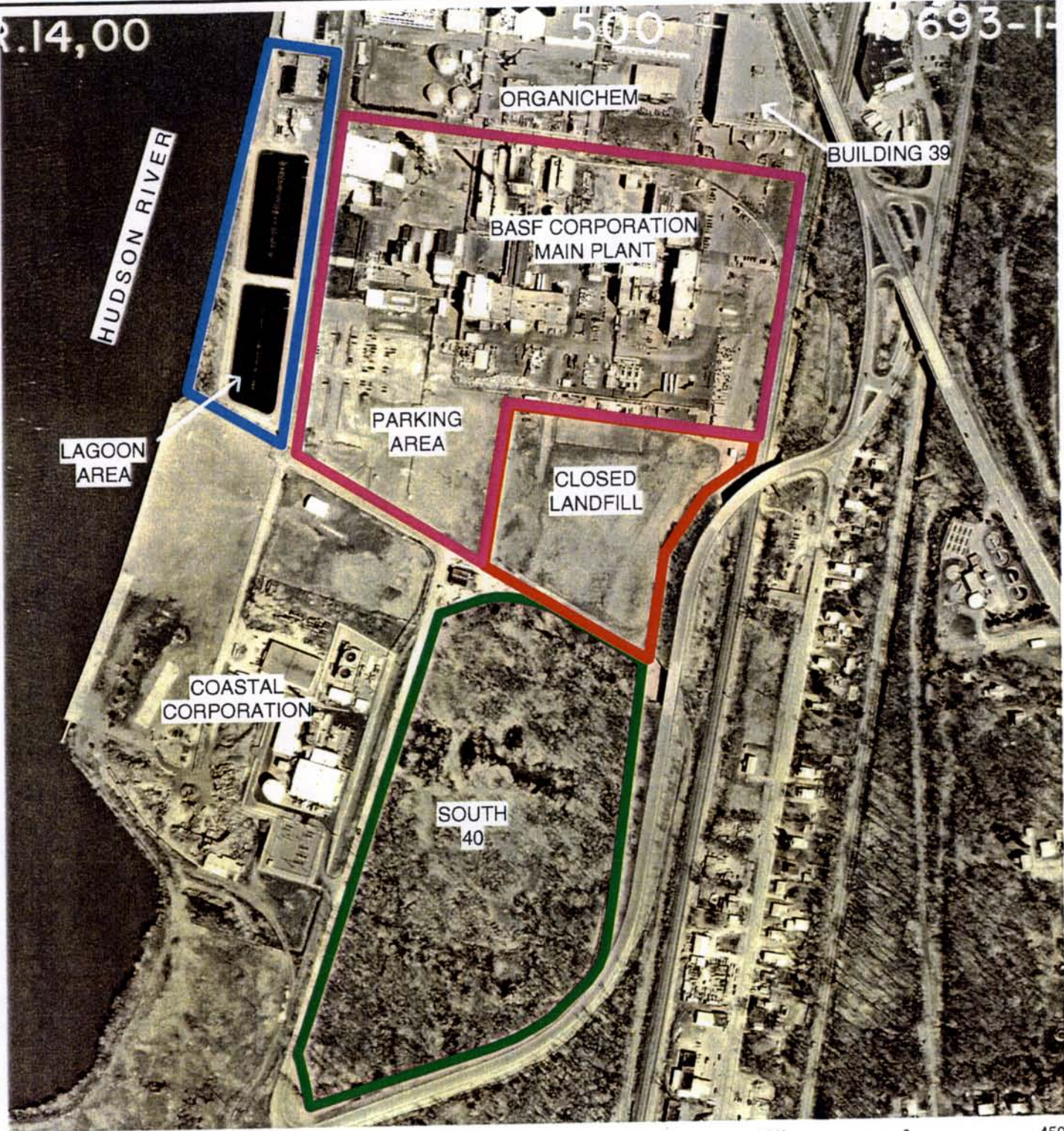
ROUX
 ROUX ASSOCIATES, INC.
 Environmental Consulting
 & Management

Compiled by: O.R.	Date: 14NOV01	FIGURE 1
Prepared by: R.K.	Scale: AS SHOWN	
Project Mgr.: N.E.	Office: NY	
File No.: BF1119807.CDR	Project No.: 2511Y03	

R.14,00

500

693-1



450' 0 450'

SITE AREAS

RENSSELAER, NEW YORK FACILITY

Prepared For: BASF CORPORATION
MOUNT OLIVE, NEW JERSEY

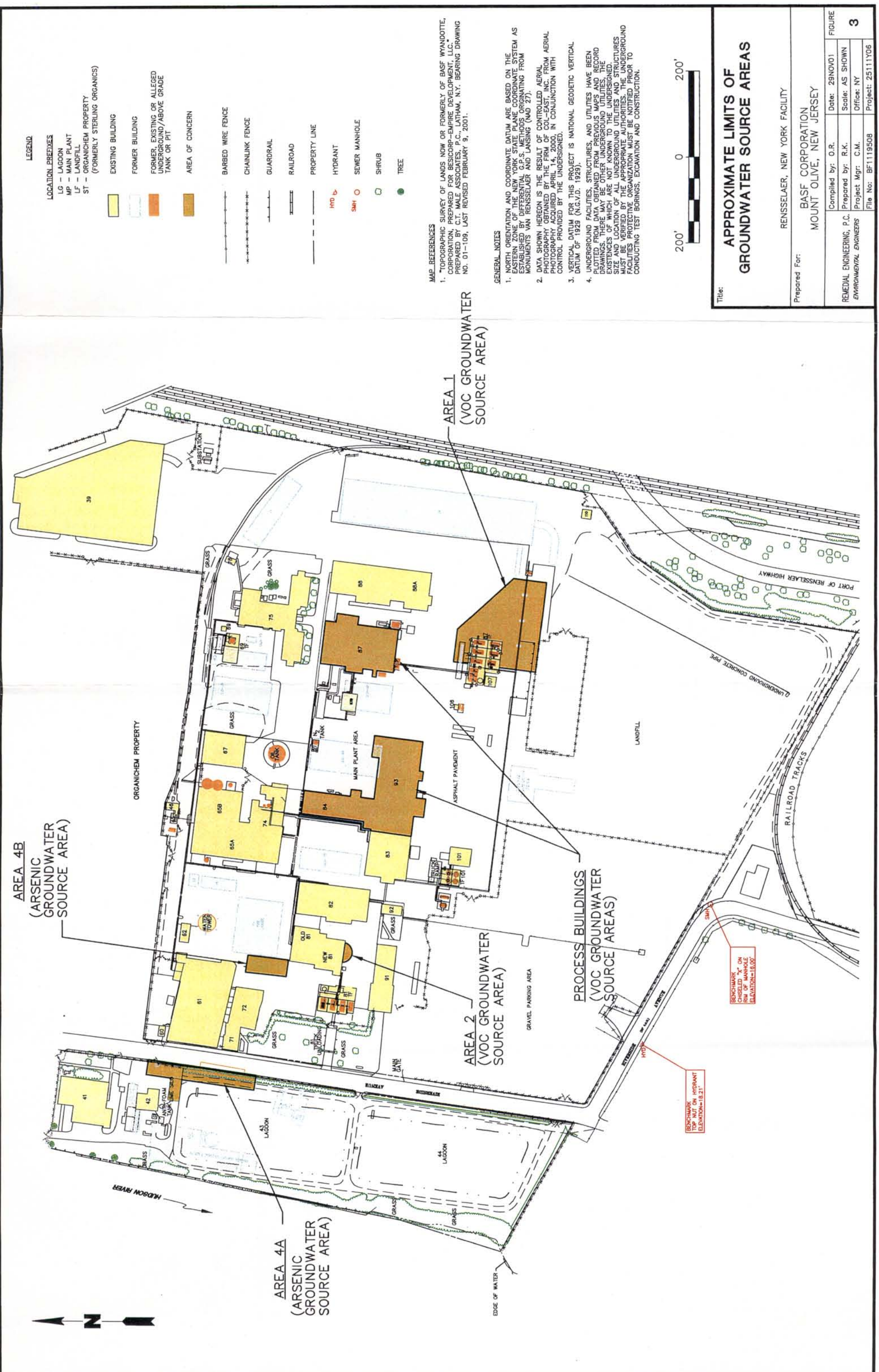


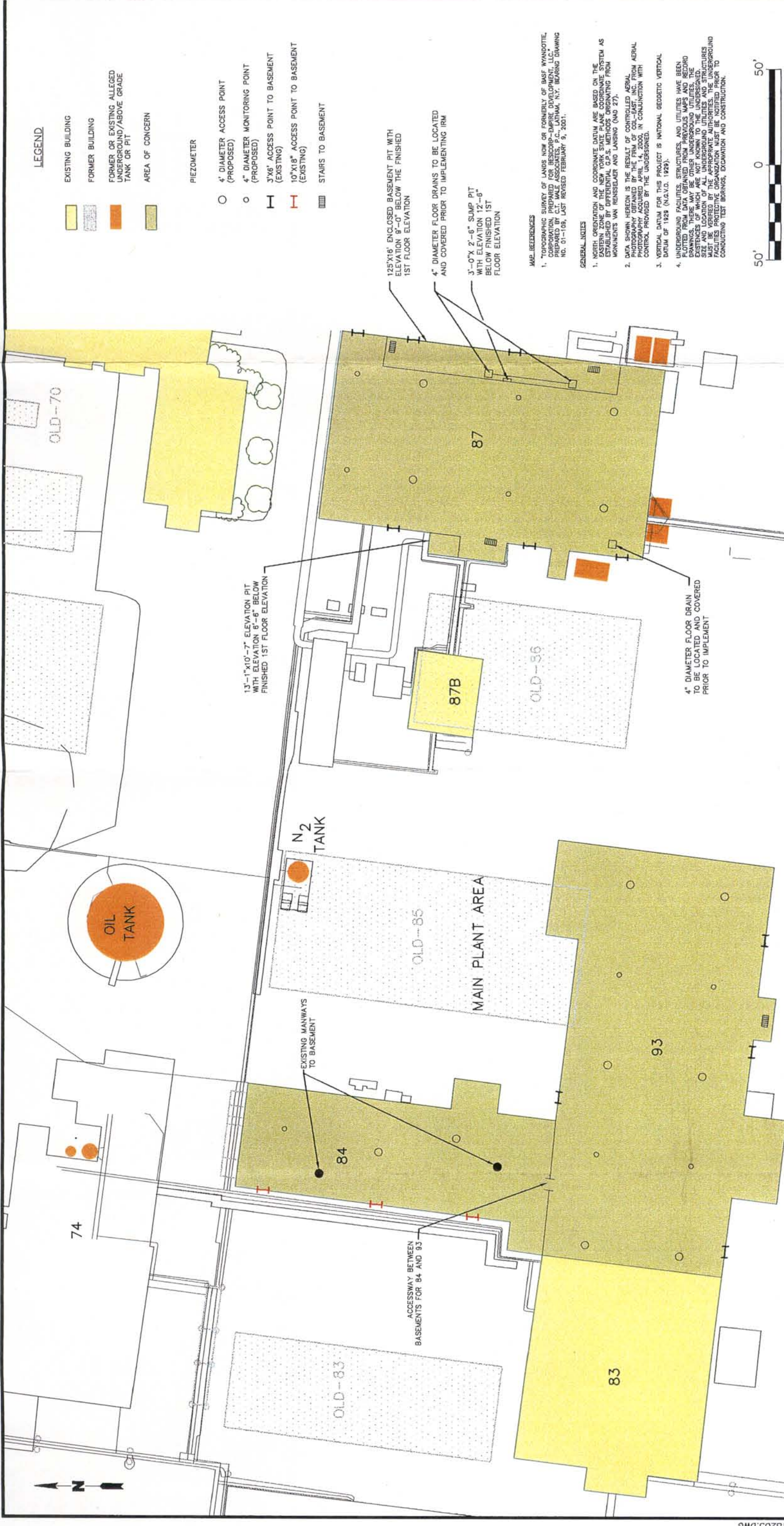
ROUX

ROUX ASSOCIATES INC.
Environmental Consulting
& Management

Compiled by: N.E.	Date: 11/7/01	FIGURE 2
Prepared by: S.S.	Scale: AS SHOWN	
Project Mgr: C.M.	Office: NY	
File No: BF1119802.WOR	Project: BF25111Y03	

AERIAL PHOTOGRAPH DATE : APRIL 14, 2000





LEGEND

- EXISTING BUILDING
- FORMER BUILDING
- FORMER OR EXISTING ALLEGED UNDERGROUND/ABOVE GRADE TANK OR PIT
- AREA OF CONCERN

PIEZOMETER

- 4" DIAMETER ACCESS POINT (PROPOSED)
- 4" DIAMETER MONITORING POINT (PROPOSED)
- 3"x6" ACCESS POINT TO BASEMENT (EXISTING)
- 10"x18" ACCESS POINT TO BASEMENT (EXISTING)
- STAIRS TO BASEMENT

MAP REFERENCES

1. TOPOGRAPHIC SURVEY OF LANDS NOW OR FORMERLY OF BASF WYANDOTTE, CORPORATION, PREPARED FOR DESIGN-EXPLORE DEVELOPMENT, L.L.C., BY C.T. WALK ASSOCIATES, P.C., LATHAM, N.Y., BEARING DRAWING NO. 01-109, LAST REVISED FEBRUARY 9, 2001.

GENERAL NOTES

- NORTH ORIENTATION AND COORDINATE DATUM ARE BASED ON THE DATUM OF 1928 (N.G.V.D. 1928).
- UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORDS. THE EXISTENCES OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED, MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES MUST BE IDENTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION.



Title:

PROCESS BUILDING SITE PLAN

PROCESS BUILDINGS IRM PLAN
RENSELAER, NEW YORK FACILITY

Prepared For:

BASF CORPORATION
MOUNT OLIVE, NEW JERSEY

REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: O.R.	Date: 25OCT01	FIGURE
	Prepared by: R.K.	Scale: AS SHOWN	4
	Project Mgr: O.R.	Office: NY	
	File No: BF1118203	Project: 25111Y06	

MP-SB-81	0 - 1	1 - 3
Chromium	85.5	108
Lead	39.7	---
Mercury	0.35	0.24
1,2-Dichloroethane	310 U	5800 U
Benzene	100 J	5800 U
Chlorobenzene	3100	28000
Toluene	---	5800 U
Xylenes (total)	---	5800 U
1,2,4-Trichlorobenzene	---	5800 U
1,2-Dichlorobenzene	---	120000
Benzol[a]anthracene	680 U	2200
Benzol[a]pyrene	2200 U	1500 J
Dibenzol[a,h]anthracene	2200 U	4000 U
Phenol	680 U	1200 U

MP-SB-82	0 - 1	1 - 3
Chromium	1400	341
Lead	1290	80.9
Mercury	10.6	0.25
Zinc	157	---
1,2-Dichloroethane	---	6400 U
Benzene	---	6400 U
Chlorobenzene	---	200000
Toluene	---	6400 U
Xylenes (total)	---	6400 U
1,2,4-Trichlorobenzene	8500 U	6400 U
1,2-Dichlorobenzene	8500 U	33000
Benzol[a]anthracene	2800 U	640 U
Benzol[a]pyrene	8500 U	2100 U
Dibenzol[a,h]anthracene	8500 U	2100 U
Phenol	2800 U	640 U

MP-SB-80	0 - 1	1 - 3
Arsenic	40.5	13.7
Chromium	10100	46.6
Lead	3280	1190
Mercury	7	0.34
Zinc	1200	130
Benzene	290	---
Chlorobenzene	2100	---
1,2,4-Trichlorobenzene	19000 U	---
1,2-Dichlorobenzene	19000 U	---
Benzol[a]anthracene	5900 U	670 U
Benzol[a]pyrene	19000 U	2200 U
Dibenzol[a,h]anthracene	19000 U	2200 U
Phenol	5900 U	670 U

MP-SB-79	0 - 1	1 - 3
Arsenic	73.9	57.6
Chromium	27500	99.2
Lead	3020	583
Mercury	3.4	1.5
Zinc	1560	815
1,2-Dichloroethane	1600 U	---
Benzene	540 J	---
1,2,4-Trichlorobenzene	14000 J	---
1,2-Dichlorobenzene	23000 U	---
Benzol[a]anthracene	8700	320 J
Benzol[a]pyrene	23000 U	2600 U
Dibenzol[a,h]anthracene	23000 U	2800 U
Phenol	7000 U	780 U

MP-SB-77	0 - 1	1 - 4	4 - 6
Arsenic	31.6	8.3	8.7
Chromium	2940	1590	48.6
Lead	1140	48.3	---
Mercury	5.2	---	---
Zinc	829	184	---
1,2-Dichloroethane	---	---	140
1,2,4-Trichlorobenzene	4800	---	---
Benzol[a]anthracene	2200	590 U	670 U
Benzol[a]pyrene	13000 U	1900 U	2200 U
Dibenzol[a,h]anthracene	13000 U	1900 U	2200 U
Phenol	4000 U	590 U	670 U

MP-SB-78	0 - 1	1 - 3
Arsenic	10.3	35
Chromium	91.7	990
Lead	91.3	308
Mercury	---	0.78
Zinc	108	250
1,2-Dichloroethane	---	360 U
Benzene	---	360 U
Chlorobenzene	---	4200
Benzol[a]anthracene	---	720 U
Benzol[a]pyrene	2000 U	2400 U
Dibenzol[a,h]anthracene	2000 U	2400 U
Phenol	620 U	760

MP-SB-83	0 - 1	1 - 3
Chromium	282	649
Lead	72.6	70.3
Mercury	2.3	0.38
1,2-Dichloroethane	570 U	350 U
Benzene	570 U	350 U
Chlorobenzene	1800	3000
Benzol[a]anthracene	1900 U	690 U
Benzol[a]pyrene	1900 U	2300 U
Dibenzol[a,h]anthracene	1900 U	2300 U
Phenol	580 U	690 U

MP-FS-1	0 - 0.5
Arsenic	11.1
Chromium	31.1
Lead	112
Zinc	98.8
1,2,4-Trichlorobenzene	5700 U
Benzol[a]anthracene	1700 U
Benzol[a]pyrene	5700 U
Dibenzol[a,h]anthracene	5700 U
Phenol	1700 U

MP-FS-2	0 - 0.5
Chromium	21.6
Lead	45.3
Zinc	171
Benzol[a]anthracene	670 U
Benzol[a]pyrene	2200 U
Dibenzol[a,h]anthracene	2200 U
Phenol	670 U

LEGEND

LOCATION AND DESIGNATION OF SOIL BORING

LOCATION AND DESIGNATION OF SOIL BORING IN PROCESS RESIDUE IN BUILDING BASEMENT

LOCATION AND DESIGNATION OF SAMPLE OF SEDIMENT COVERING CONCRETE BASEMENT FLOOR

BUILDING NUMBER

SAMPLE DESIGNATION

MP-FS-2	0 - 0.5
Chromium	21.6
Lead	45.3
Zinc	171
Benzol[a]anthracene	670 U
Benzol[a]pyrene	2200 U
Dibenzol[a,h]anthracene	2200 U
Phenol	670 U

U - NOT DETECTED;
DETECTION LIMIT SHOWN

J - ESTIMATED CONCENTRATION



Title:

SUMMARY OF CONSTITUENTS OF CONCERN DETECTED IN PROCESS RESIDUE

ADDITIONAL RI ACTIVITIES
RENSSELAER, NEW YORK FACILITY

Prepared For:

BASF CORPORATION
MOUNT OLIVE, NEW JERSEY

ROUTX
ROUTX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: N.E.

Prepared by: R.K.

Project Mgr: N.E.

File No: BF1115824

FIGURE

Date: 27JUL01

Scale: AS SHOWN

Officer: NY

Project: 25111Y04

5

NOTES: 1. CONSTITUENTS OF CONCERN IDENTIFIED FOR SOILS ARE SUMMARIZED IN THE REPORT TEXT

2. ONLY DETECTIONS OF CONSTITUENTS OF CONCERN ABOVE NYSDEC RSCOs, OR NON-DETECTS WITH DETECTION LIMITS ABOVE NYSDEC RSCOs ARE SHOWN.



LEGEND

- LOCATION PREFIXES
LG - LAGOON
MP - MAIN PLANT
LF - LANDFILL
ST - ORGANICHEM PROPERTY (FORMERLY STERLING ORGANICS)
- EXISTING BUILDING
FORMER BUILDING
FORMER, EXISTING OR ALLEGED UNDERGROUND/ABOVE GRADE TANK OR PIT
BARBED WIRE FENCE
CHAINLINK FENCE
GUARDRAIL
RAILROAD
PROPERTY LINE
HYDRANT
SEWER MANHOLE
SHRUB
TREE
- LIMITS OF GROUNDWATER EXHIBITING 1,2-DICHLOROETHANE, CHLOROBENZENE OR BTEX CONCENTRATIONS EQUAL TO OR GREATER THAN 100 MICROGRAMS PER LITER, DASHED WHERE INFERRED.
- MONITORING WELL LOCATION EXHIBITING ARSENIC CONCENTRATIONS EQUAL TO OR GREATER THAN 100 TIMES NYSDEC AWQS
- POTENTIAL LOCATIONS OF GROUNDWATER EXTRACTION WELLS AND/OR COLLECTION TRENCHES
- EXISTING PERFORATED PIPING TO BE INCORPORATED AS PART OF THE GROUNDWATER COLLECTION SYSTEM
- LG-MW-5

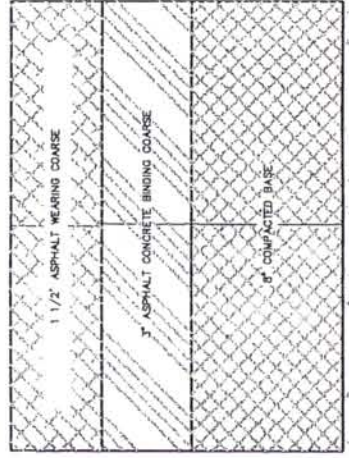


Title: **POTENTIAL LOCATIONS OF PROPOSED GROUNDWATER TREATMENT SYSTEMS FOR ALTERNATIVE 5.6.7**

Prepared For: **RENSSELAER, NEW YORK FACILITY**

BASF CORPORATION
MOUNT OLIVE, NEW JERSEY

REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: O.R.	Date: 20NOV01	FIGURE
	Prepared by: O.R.	Scale: AS SHOWN	7
	Project Mgr: C.M.	Office: NY	
	File No: BF1119812	Project: 2511Y03	



NOTES:
(1) BASE MAP ADAPTED FROM PLATE 1, "REMEDIAL INVESTIGATION WORKPLAN"
(MALCOLM PIRNIE, INC., 1998)
(2) ALL AREAS SHOWN REPRESENT EXISTING CONDITIONS.

LEGEND

LOCATION ABBREVIATIONS
LG - LAGOON
MP - MAIN PLANT
LF - LANDFILL
ST - ORGANICHEM PROPERTY
(FORMERLY STERLING ORGANICS)

FORMER OR EXISTING ALLEGED
UNDERGROUND TANK OR PIT
STORM SEWER GRATE
OVERHEAD UTILITY SUPPORTS
BARBED WIRE FENCE
CHAINLINK FENCE
APPROXIMATE LIMIT OF AREA TO BE CAPPED

BUILDING
ASPHALT
GRASS
GRAVEL
CLAY LINED LAGOON

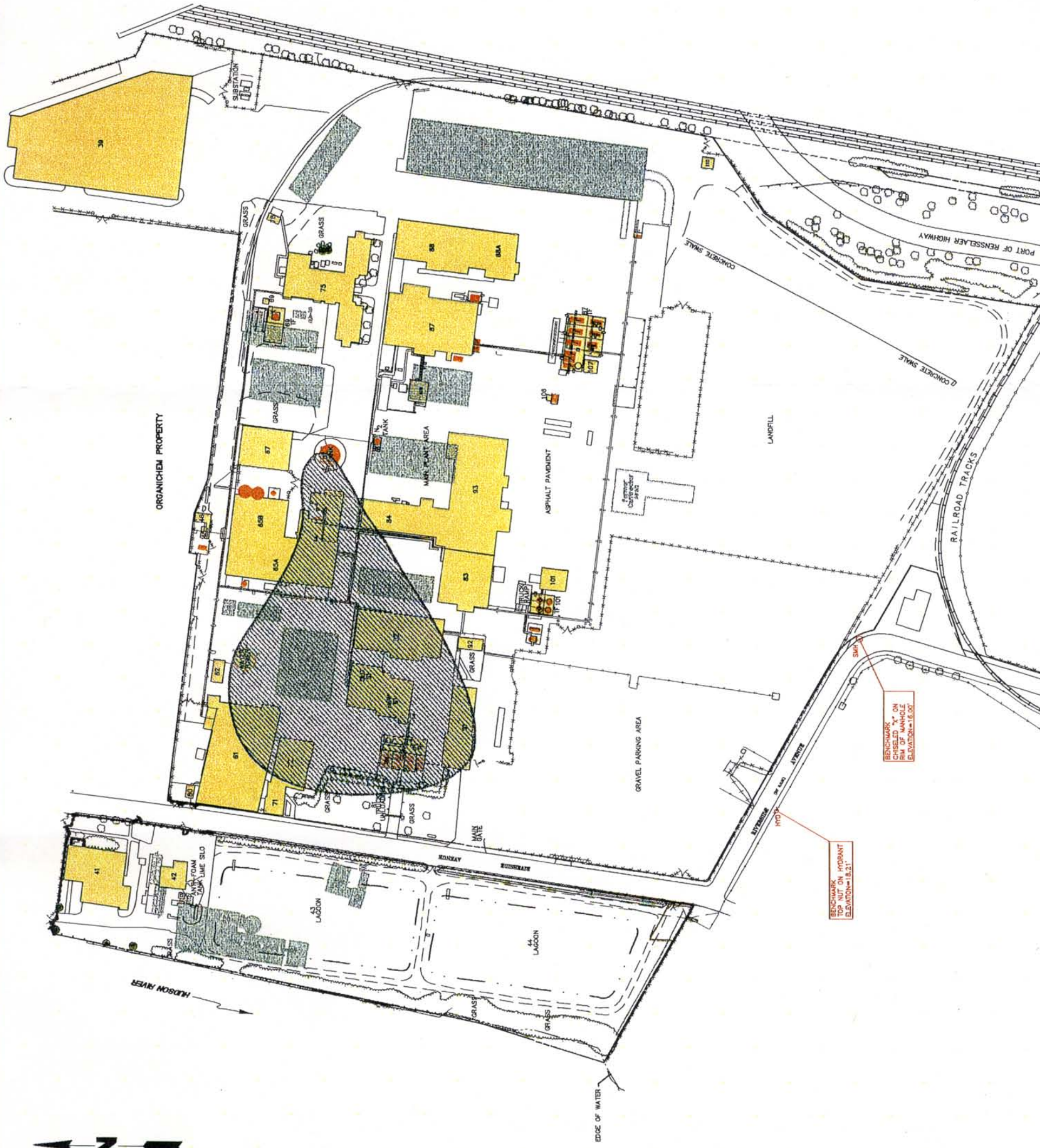


APPROXIMATE LIMITS OF PROPOSED
CAP FOR ALTERNATIVE # 3

RENSSELAER, NEW YORK FACILITY
BASF CORPORATION
MOUNT OLIVE, NEW JERSEY



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management
Prepared For: BASF CORPORATION
MOUNT OLIVE, NEW JERSEY
Date: 14NOV01
Scale: AS SHOWN
Office: NY
Project Mgr: N.E.
File No: BF1119806
Project: 25111Y
FIGURE 8



LEGEND

LOCATION PREFIXES
LG - LAGOON
MP - MAIN PLANT
LF - LANDFILL
ST - ORGANIC CHEM PROPERTY
(FORMERLY STERLING ORGANICS)

EXISTING BUILDING

FORMER BUILDING

FORMER, EXISTING OR ALLEGED
UNDERGROUND/ABOVE GRADE
TANK OR PIT

BARBED WIRE FENCE

CHAINLINK FENCE

GUARDRAIL

RAILROAD

PROPERTY LINE

HYDRANT

SEWER MANHOLE

SHRUB

TREE

LIMIT OF GROUNDWATER EXHIBITING
1,2-DICHLOROETHANE CONCENTRATIONS
EQUAL TO OR GREATER THAN
1,000 MICROGRAMS PER LITER



Title: APPROXIMATE LIMITS OF IN-SITU
GROUNDWATER REMEDIATION AREAS
FOR ALTERNATIVE 5

RENSSELAER, NEW YORK FACILITY

Prepared For: BASF CORPORATION
MOUNT OLIVE, NEW JERSEY

REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: C.R.	Date: 20NOV01	FIGURE
	Prepared by: C.R.	Scale: AS SHOWN	9
	Project Mgr: C.M.	Office: NY	
	File No: BF1119813	Project: 2511Y03	