

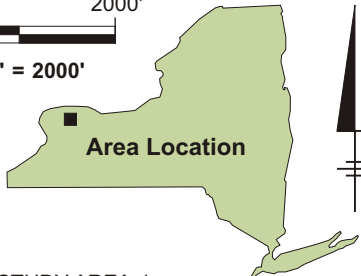
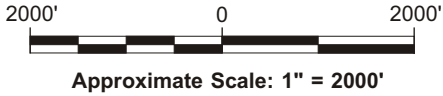
**Suspected Air Deposition  
Study Area 1- South of the Canal  
and West of the County Line**

**Culvert 105 Study Area  
South of the Canal**

**Former FMC R&D Property**

**FMC Facility**

REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., MEDINA, NY, 1980.

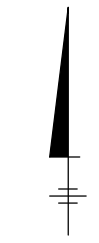
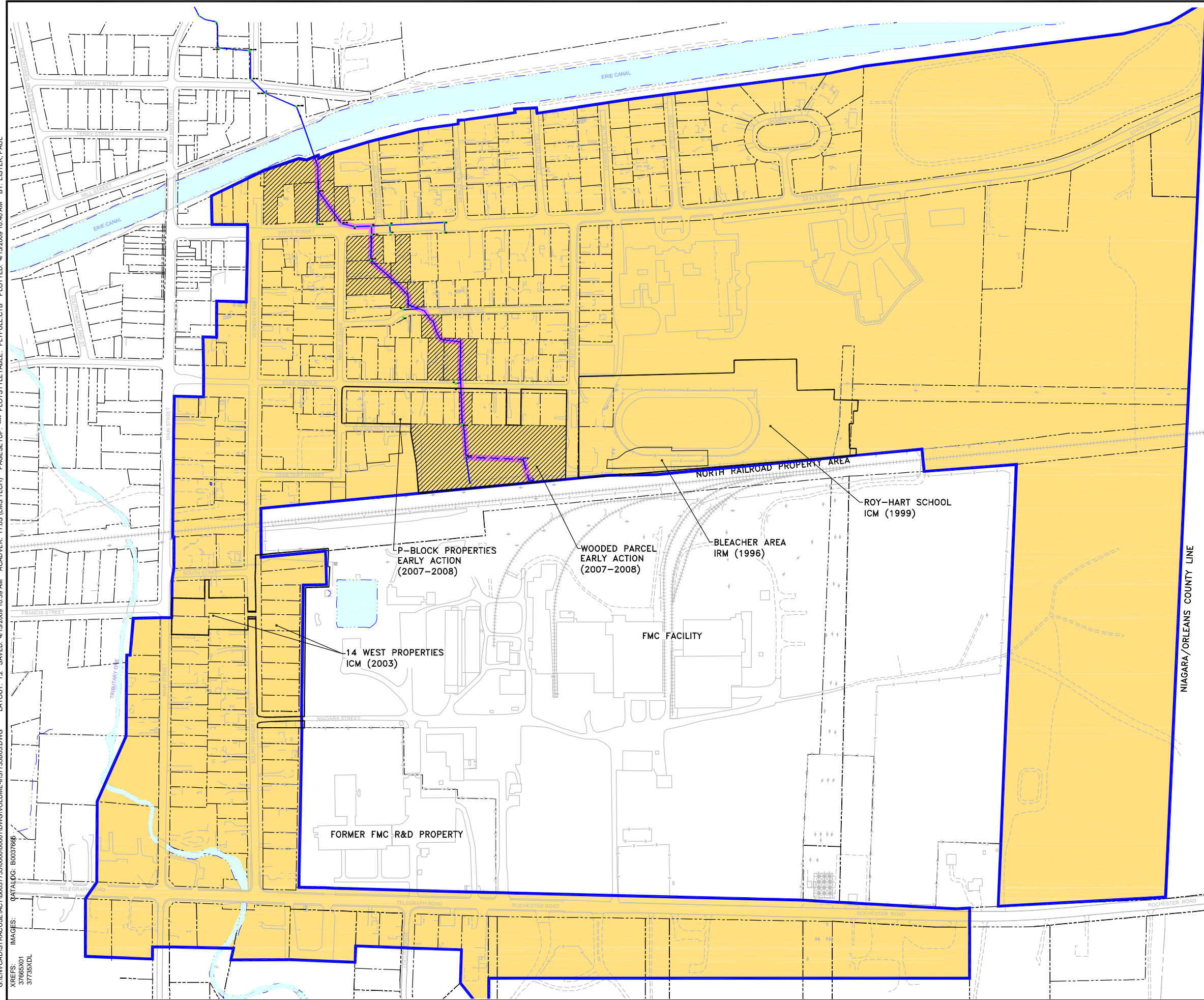


FMC CORPORATION - MIDDLEPORT, NEW YORK  
RCRA FACILITY INVESTIGATION -  
VOLUME II

**LOCATION MAP**

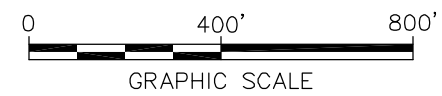
FIGURE  
**1.1**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNON+OFF-REF: (RZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\00000000\DWG\VOLUME-II\37735503.DWG LAYOUT: 1,2. SAVED: 4/15/2009 10:39 AM - ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOTSETUP: ... PLOTSTYLETABLE: PLTFULLCTB PLOTTED: 4/15/2009 10:40 AM BY: LISTER, PAUL  
 XREFS: IMAGES: QATALDG: B0037666  
 37665X01  
 37735XDL



- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - ▭ EXISTING BUILDING
  - - - EXISTING FENCELINE
  - ++++ EXISTING RAILROAD
  - )( EXISTING CULVERT
  - EDGE OF WATER
  - ▭ AREAS EXCAVATED AND BACKFILLED BY FMC WITHIN AIR DEPOSITION STUDY AREA 1
  - CULVERT 105 BURIED PIPE SECTION
  - - - FORMER BURIED PIPE SECTION
  - CULVERT 105 PATHWAY SOUTH OF THE ERIE CANAL (PRE-2007)
  - ▨ PROPERTY INCLUDED IN CULVERT 105 STUDY AREA SOUTH OF THE ERIE CANAL
  - ▭ AIR DEPOSITION STUDY AREA 1

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS ARE APPROXIMATE.
  3. PLANNED ADDITIONAL SOIL SAMPLING MAY LEAD TO AN EXPANSION OF THE AIR DEPOSITION STUDY AREA TO THE NORTH OF THE CANAL AND/OR EAST OF THE COUNTY LINE.

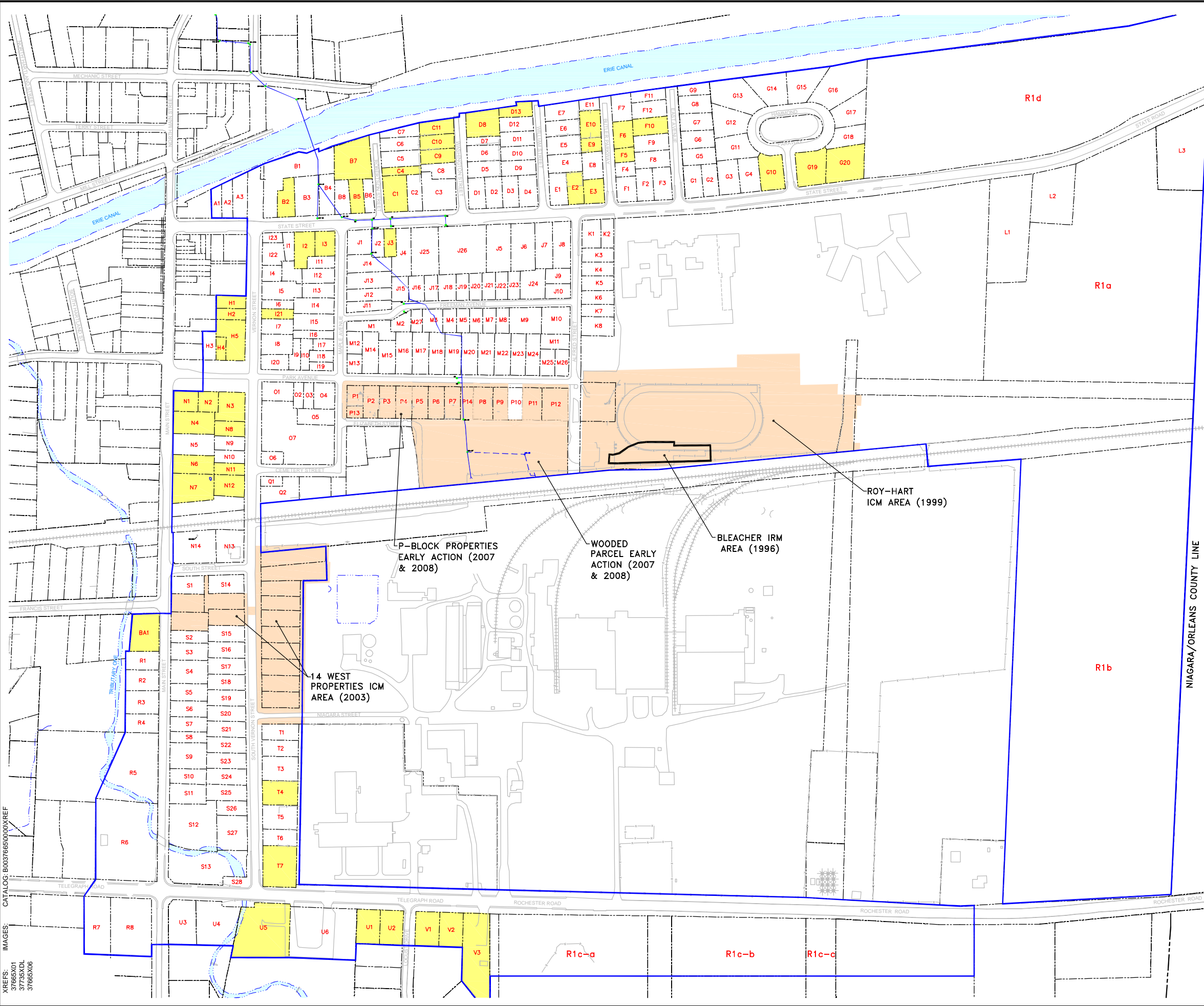


FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION  
 VOLUME II

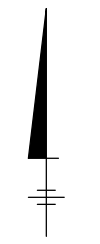
**IDENTIFICATION OF STUDY AREAS**

**FIGURE 1.2**

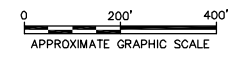
CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYN: ON: OFF: REF: (FRZ)  
 G:\ENVCAD\S\RAC\USE\ACT\B0037250\00000000\0001\DWG\VOLUME-II\37250570.DWG LAYOUT: 2.1. SAVED: 4/16/2009 9:23 AM ACADVER: 17.05 (LWS TECH) PAGES: 17.05 (LWS TECH) PLOTTED: 4/16/2009 9:24 AM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B00376650000\XREF 37665X01 37665X02 37665X06



- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - ▭ EXISTING BUILDING
  - - - EXISTING FENCELINE
  - ===== EXISTING RAILROAD
  - )) EXISTING CULVERT
  - CULVERT 105
  - - - FORMER CULVERT 105
  - G1 PROPERTY IDENTIFICATION NUMBER
  - ▭ 46 PROPERTIES RECEIVING AGENCIES' 2/22/07 NO FURTHER ACTION LETTER
  - ▭ AREAS EXCAVATED AND BACKFILLED BY FMC WITHIN AIR DEPOSITION STUDY AREA 1
  - ▭ SUSPECTED AIR DEPOSITION STUDY AREA 1 - SOUTH OF THE CANAL AND WEST OF THE COUNTY LINE



- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. PROPERTY IDENTIFICATION NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.



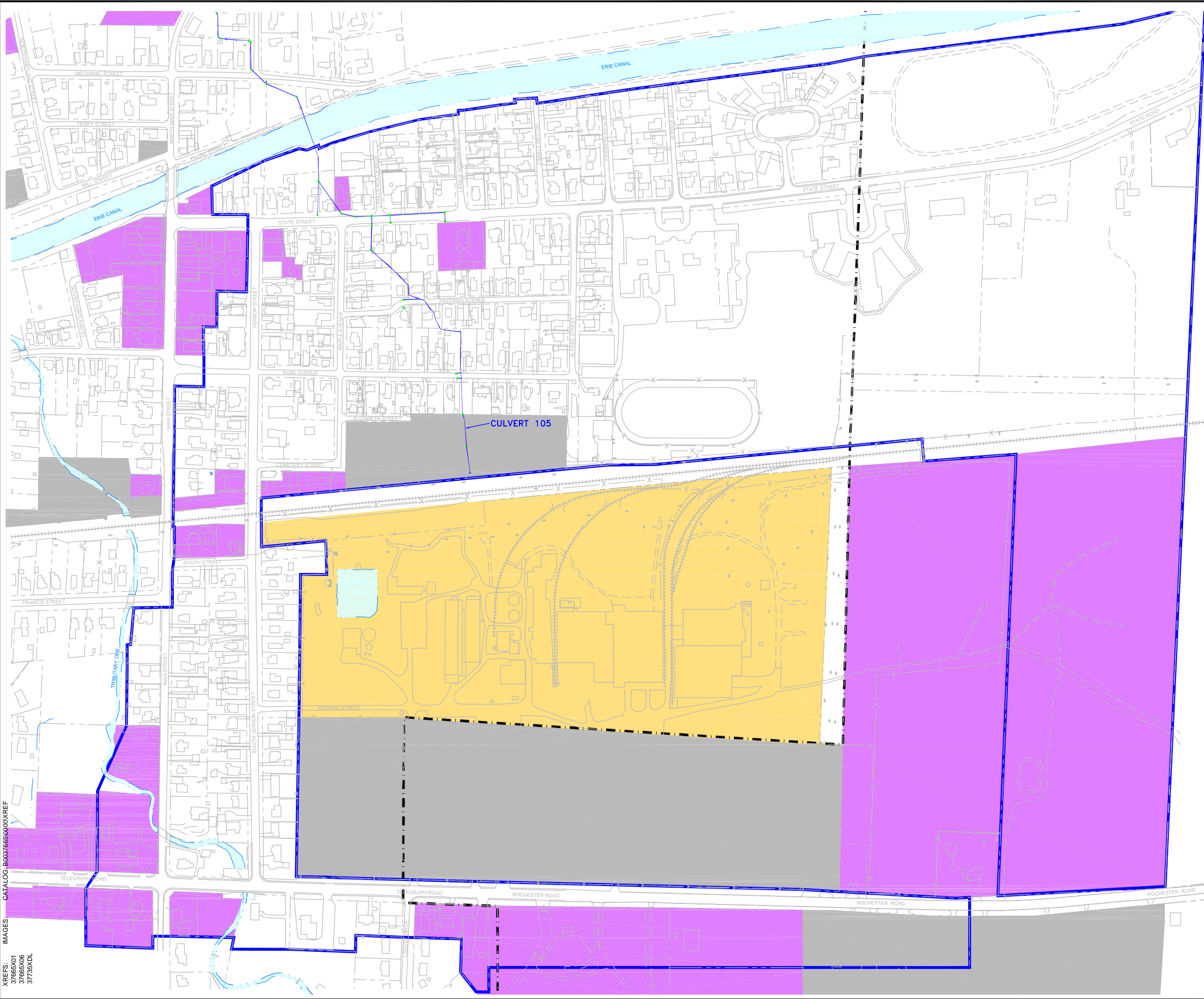
FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION  
 VOLUME II

**REMEDIATION AREAS AND AGENCIES' NO FURTHER ACTION DETERMINATIONS**

**ARCADIS**

FIGURE 2.1

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYNON+OFF=REF (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037350\00000000\DWG\VOLUME-II\3735571.DWG LAYOUT: 2.2 SAVED: 4/9/2009 1:05 PM ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOT: 4/9/2009 1:05 PM BY: LISTER, PAUL



- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - x- FENCELINE
  - RAILROAD
  - APPROXIMATE EDGE OF WATER
  - ▭ AIR DEPOSITION STUDY AREA 1
  - ▭ BUILDING
  - - - - - VILLAGE OF MIDDLEPORT MUNICIPAL BOUNDARY (APPROXIMATE)
  - ▭ PROPERTIES ZONED BUSINESS (B-1)
  - ▭ PROPERTIES ZONED LIGHT INDUSTRIAL (L-1)
  - ▭ PROPERTIES ZONED INDUSTRIAL (F-1)
  - ▭ PROPERTIES ZONED RESIDENTIAL OR AGRICULTURAL (NO SHADING)

**NOTE:**  
 ZONING INFORMATION WAS OBTAINED AS OF DECEMBER 2008 FROM VILLAGE OF MIDDLEPORT ZONING MAP UPDATED JANUARY 2002, TOWN OF ROYALTON ZONING MAP UPDATED OCTOBER 2008, AND TOWN OF HARTLAND ZONING MAP UPDATED JANUARY 2008.

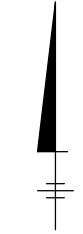
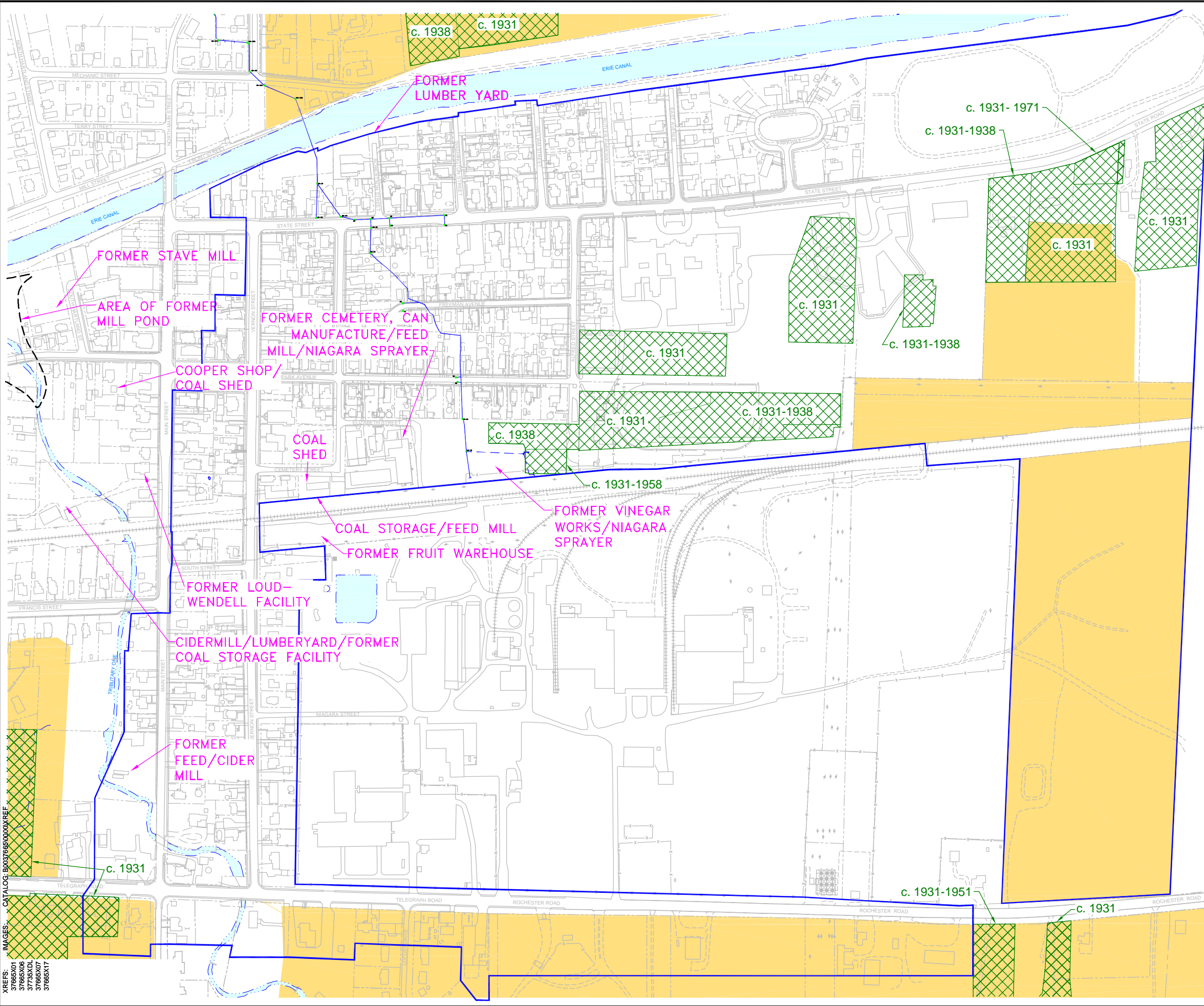


FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION  
 VOLUME II

**CURRENT ZONING**

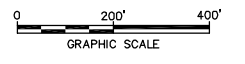
**FIGURE 2.2**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYN: ON\* OFF: REF. (RZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003725000000000000\DWG\VOLUME-II\3758567.DWG LAYOUT: 2.3 SAVED: 4/1/2009 3:20 PM ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOTTABLE: PLT\FULLCTB PLOTTED: 4/1/2009 3:20 PM BY: LISTER, PAUL



- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - X- FENCELINE
  - ==== RAILROAD
  - EDGE OF WATER
  - CULVERT 105
  - FORMER CULVERT 105
  - BUILDING
  - ▨ HISTORICAL ORCHARDS
  - HISTORICAL FARM FIELDS
  - AIR DEPOSITION STUDY AREA 1

- NOTES:**
1. HISTORICAL ORCHARD AND FARM FIELD LOCATIONS WERE IDENTIFIED BASED ON REVIEW OF AERIAL PHOTOGRAPHS DATED 1931, 1938, 1951, 1958, 1966, 1968, 1971, 1973, 1977, 1978 AND SANBORN MAPS DATED 1889, 1894, 1900, 1905, 1911, 1920, 1931, 1945, AND 1968.
  2. DATES ON HISTORICAL ORCHARDS INDICATE MINIMUM TIME PERIOD AS SHOWN ON THE HISTORICAL RESOURCES.
  3. THE DEPICTED LIMITS OF HISTORICAL ORCHARDS ARE SUBJECT TO INTERPRETATION OF AVAILABLE AERIAL PHOTOGRAPHS AND PROFESSIONAL JUDGEMENT. THE AGENCIES DO NOT NECESSARILY AGREE IN EVERY CASE WITH THE INTERPRETATION OF THE DEPICTED LIMITS OF THE HISTORICAL ORCHARD AREAS ON THIS FIGURE.

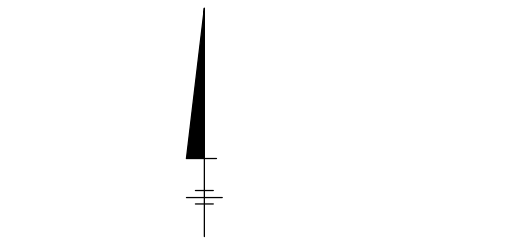
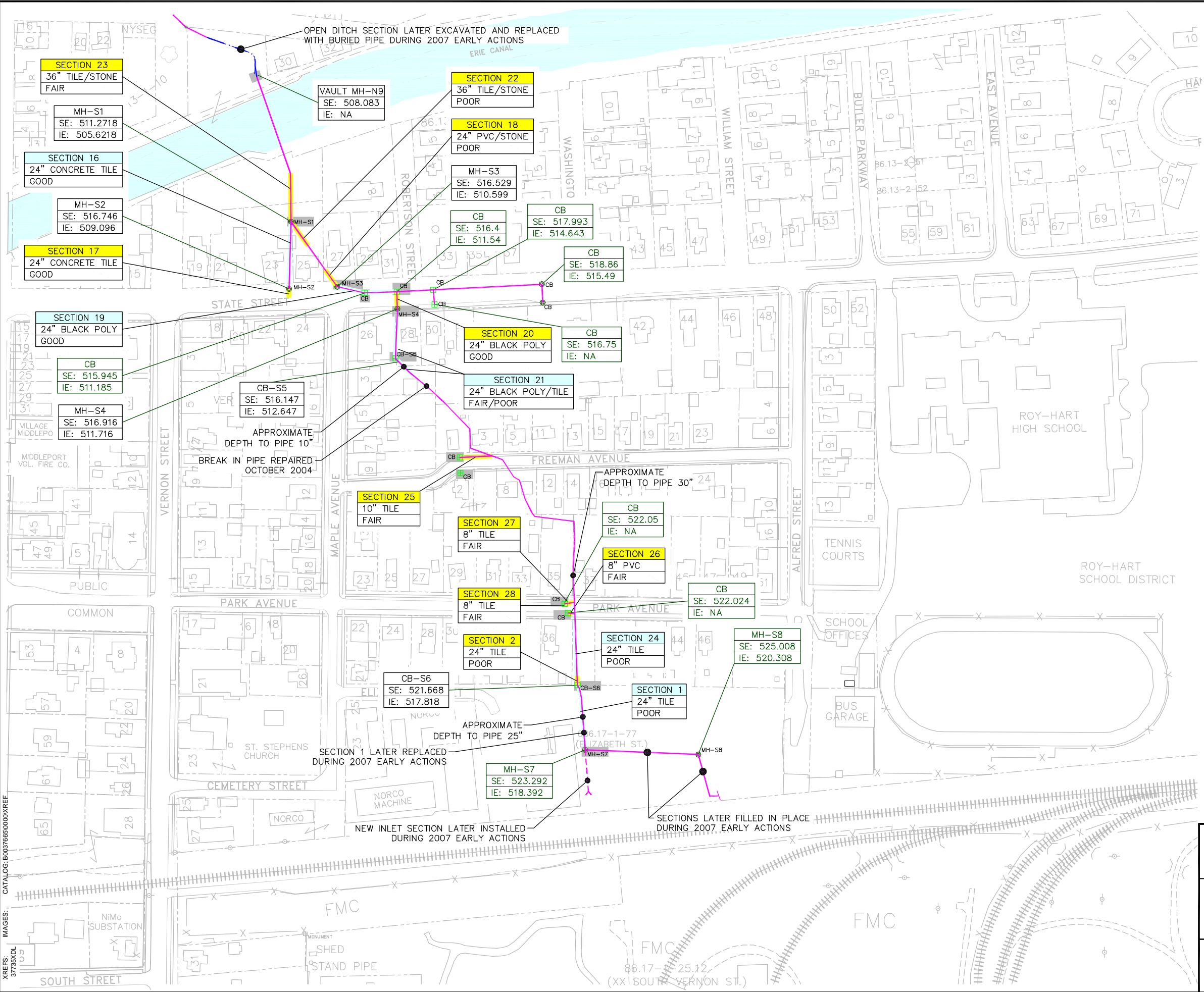


FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION  
 VOLUME II

**HISTORICAL LAND USES**

**FIGURE 2.3**

CITY: SYRACUSE GROUP: ENV: 4141 DB: PGL LD: PGL PM: D. WRIGHT LTR: ONK-OFF-REF: FRZJ  
 G:\ENVCAD\SYRACUSE\ACT\B003735000000000001\DWG\VOLUME-II\3775520.DWG LAYOUT: 2,4  
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 PLOTTED: 3/31/2009 1:38 PM BY: LISTER, PAUL  
 PLOTSTYLETABLE: PLT\FULL.CTB  
 XREFS: 37755XDL  
 IMAGES: CATALOG: B0037665000000XREF



**LEGEND:**

- CULVERT 105 (OPEN DITCH SECTION)
- CULVERT 105 (UNDERGROUND SECTION)
- MANHOLE
- CATCH BASIN
- SECTIONS OF CULVERT 105 INSPECTED WITH VIDEO CAMERA IN 2004, SECTIONS NOT COLORED YELLOW OR BLUE COULD NOT BE ACCESSED.
- CATCH BASINS AND MANHOLES LATER CLEARED OF SEDIMENTS DURING 2007 EARLY ACTIONS

**CULVERT 105 SECTION CHARACTERISTICS:**

SECTION NO.	PIPE DIAMETER/MATERIAL	PIPE CONDITION
SECTION 23	36" TILE/STONE FAIR	
SECTION 22	36" TILE/STONE POOR	
SECTION 18	24" PVC/STONE POOR	
SECTION 16	24" CONCRETE TILE GOOD	
SECTION 17	24" CONCRETE TILE GOOD	
SECTION 19	24" BLACK POLY GOOD	
SECTION 20	24" BLACK POLY GOOD	
SECTION 21	24" BLACK POLY/TILE FAIR/POOR	
SECTION 25	10" TILE FAIR	
SECTION 27	8" TILE FAIR	
SECTION 26	8" PVC FAIR	
SECTION 28	8" TILE FAIR	
SECTION 2	24" TILE POOR	
SECTION 24	24" TILE POOR	
SECTION 1	24" TILE POOR	

**MANHOLE/CATCH BASIN CHARACTERISTICS:**

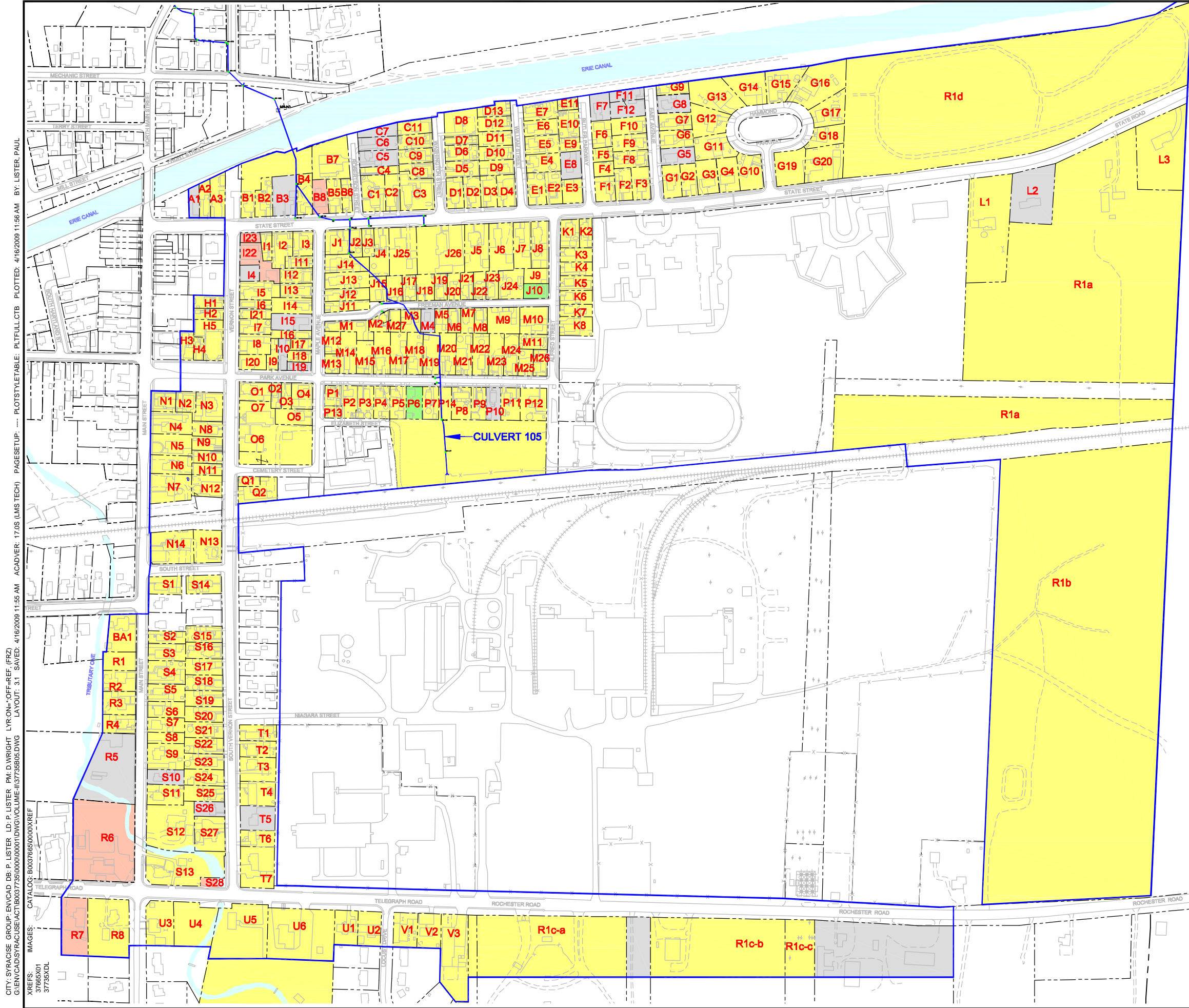
MH/CB	SE: (SURFACE ELEVATION)	IE: (INVERT ELEVATION)
Vault MH-N9	508.083	NA
MH-S1	511.2718	505.6218
MH-S2	516.746	509.096
MH-S3	516.529	510.599
MH-S4	516.916	511.716
MH-S7	523.292	518.392
MH-S8	525.008	520.308
CB-S1	516.4	511.54
CB-S2	517.993	514.643
CB-S3	518.86	515.49
CB-S4	516.75	NA
CB-S5	516.147	512.647
CB-S6	521.668	517.818

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES ENTITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120', NAD83.
  - ALL LOCATIONS ARE APPROXIMATE.
  - SURFACE AND INVERT ELEVATIONS ARE PRESENTED IN NGVD29.
  - YELLOW AND BLUE SHADING HAS BEEN USED TO DISTINGUISH BETWEEN SECTIONS OF THE STORM SEWER INSPECTED WITH VIDEO CAMERA IN 2004.
  - APPROXIMATE DEPTH TO TOP OF PIPE BASED ON GROUND PENETRATING RADAR AND PROBING WITH HAND TOOLS.



**FMC CORPORATION - MIDDLEPORT, NEW YORK**  
**RCRA FACILITY INVESTIGATION**  
**VOLUME II**  
**RESULTS OF 2004 INSPECTION OF**  
**CULVERT 105**  
**SOUTH OF THE ERIE CANAL**

**FIGURE**  
**2.4**



CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNONE-OFF-REF (FRZ)  
 G:\ENVCAD\S\RAC\USE\ACT\B003725\00000000\DWG\VOLUME-II\37358505.DWG LAYOUT: 3.1 SAVED: 4/16/2009 11:55 AM  
 ACADVER: 17.05 (UAS TECH) PAGESETUP: ... PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/16/2009 11:56 AM BY: LISTER, PAUL  
 XREFS: 37665X01 37735X01  
 IMAGES: CATALOG: B003765\000000\XREF

**LEGEND:**

- APPROXIMATE PROPERTY LINE
- ▭ EXISTING BUILDING
- x- EXISTING FENCE LINE
- +++++ EXISTING RAILROAD
- CULVERT 105
- ▭ SUSPECTED AIR DEPOSITION STUDY AREA 1 SOUTH OF THE CANAL AND WEST OF THE COUNTY LINE
- ▭ PROPERTIES SAMPLED 2004-2005 FOR THE RFI SAMPLING PROGRAM
- ▭ PROPERTIES SUBSEQUENTLY SAMPLED 2007
- ▭ PROPERTIES SAMPLING NOT PERFORMED (SEE NOTE 2)
- ▭ NO ACCESS/PERMISSION
- P11 PROPERTY IDENTIFICATION NUMBER

**NOTES:**

1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES ENTITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
2. SAMPLING NOT PERFORMED DUE TO PRESENCE OF ASPHALT COVER AND/OR IMPORTED FILL MATERIAL, AS APPROVED BY AGENCIES.

0                      400'                      800'  
 ───  
 APPROXIMATE GRAPHIC SCALE

FMC CORPORATION - MIDDLEPORT, NEW YORK  
**RCRA FACILITY INVESTIGATION  
 VOLUME II**

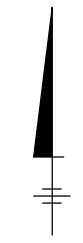
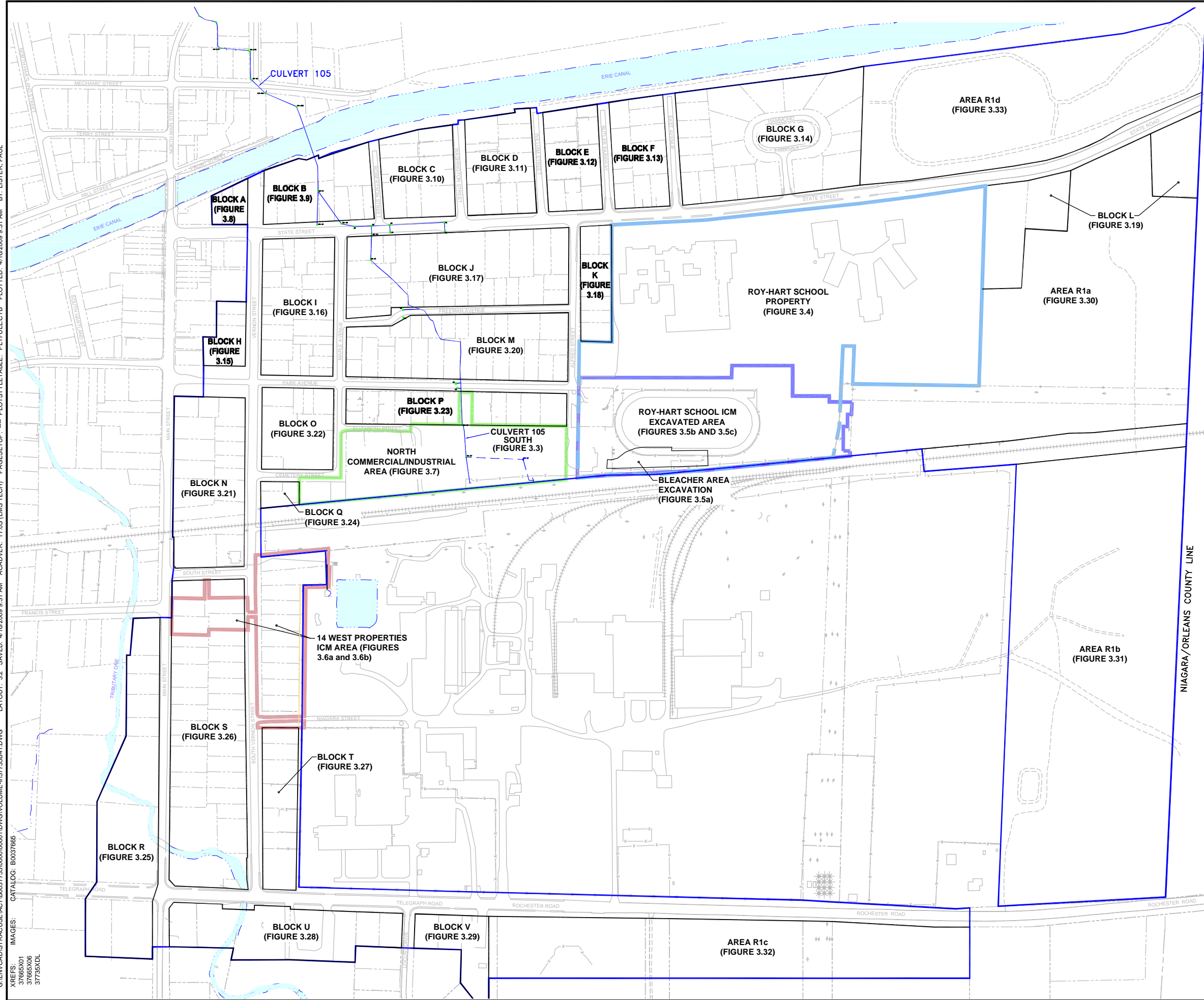
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**PROPERTIES OF 2004-2005  
 RFI SOIL SAMPLING**

---

**FIGURE  
3.1**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNON: OFF-REF: (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003735\00000000\DWG\VOLUME-II\3735541.DWG LAYOUT: 3.2. SAVED: 4/16/2009 9:31 AM ACADVER: 17.0S (LWS TECH) PAGES: 17.0S (LWS TECH) PLOT: PLTRULLCTB BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B0037685  
 37685X01  
 37685X06  
 3735XDL



- LEGEND:**
- - - - - APPROXIMATE PROPERTY BOUNDARY
  - ▭ EXISTING BUILDING
  - - - - - EXISTING FENCELINE
  - - - - - EXISTING RAILROAD
  - - - - - EXISTING CULVERT
  - EDGE OF WATER
  - ROY-HART SCHOOL PROPERTY BOUNDARY
  - ROY-HART SCHOOL ICM EXCAVATED AREA
  - NORTH COMMERCIAL/INDUSTRIAL AREA
  - 14 WEST PROPERTIES ICM AREA
  - CULVERT 105
  - - - - - FORMER CULVERT 105

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. PROPERTY IDENTIFICATION NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  4. REFER TO FIGURES 3.3 TO 3.33 FOR SAMPLING LOCATIONS WITHIN EACH AREA.



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 RCRA FACILITY INVESTIGATION  
 VOLUME II

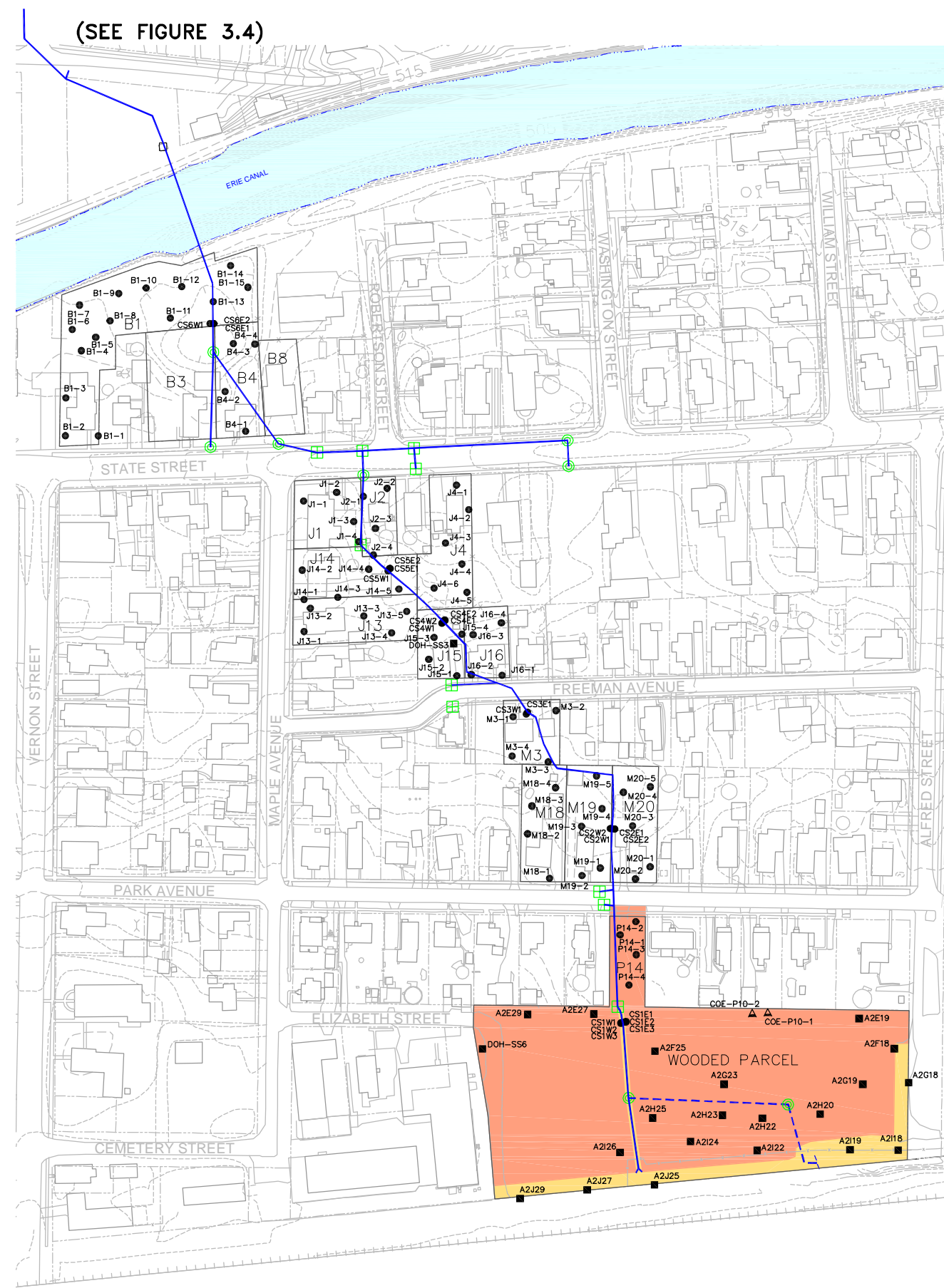
**INDEX TO SAMPLING LOCATION FIGURES**

**FIGURE 3.2**



CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER PM: D. WRIGHT LVR: ONL-OFF-REF: (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\0000000001\DWG\VOLUME-II\37735C17.DWG LAYOUT: 3.3a SAVED: 4/6/2009 1:28 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: .... PLOTTSTYLETABLE: PLTFULLCTB PLOTTED: 4/6/2009 1:29 PM BY: LISTER, PAUL  
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 37735XDL  
 37665X06

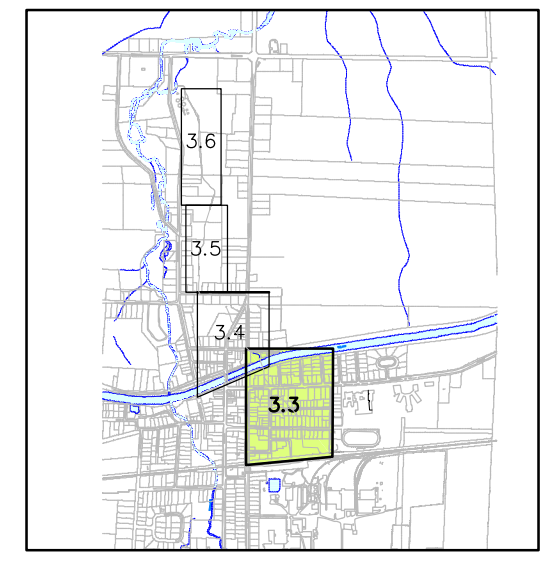
(SEE FIGURE 3.4)



Soil Arsenic Results (mg/kg)					Soil Arsenic Results (mg/kg)				
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12
B1-1	14.5				A2E19	49.6*		3.3*(8 - 11)	
B1-2	39.6	63.9	37.9	25.9	A2E27	94.9*			
B1-3	4.3				A2E29	23.5*			
B1-4	10.0	10.2			A2F18			73.5*(7 - 10)	
B1-5	9.4				A2F25	95.6*			
B1-6	9.7	10.2	4.6		A2G19	14.2*		49.1*(8 - 11)	
B1-7	6.5				A2G23	55.3*			
B1-8	9.3	9.8			A2H20	12.2*			
B1-9	11.5				A2H22	17.8*			
B1-10	65.1	77.0	159	163	A2H23	24.7*			
B1-11	9.8				A2H25	64.4*			
B1-12	13.5	11.9	17.8		A2I19	17.7*			
B1-13	13.5				A2I22	66.5*			66.1*
B1-14	11.7	17.5	18.9		A2I24	48.5*			
B1-15	32.4				A2I26	87.1*			
CS6E1	23.1				A2J25	26.3*			14.5*(11 - 14)
CS6E2	26.5				A2J27	25.7*			
CS6W1	20.0				A2J29	10.2*			
B4-1	13.4				DOH-SS6	56.0*			
B4-2	5.5	5.3			P14-1	101*			
B4-3	14.1				P14-2	33.8*	31.4*	38.7*	18.9*
B4-4	14.2	17.1	16.9		P14-3	46.3*			
J1-1	20.7				P14-4	113*	71.9*	32.0*	3.3*
J1-2	15.4	15.1			COE-P10-1	74.8*	25.0*	9.7*	6.9*
J1-3	9.9				COE-P10-2	49.2*	42.2*	26.8*	9.1*
J1-4	12.2	17.4	16.3		CS1E1	32.5*			
J2-1	18.0				CS1E2	32.1*			
J2-2	8.1	9.5	7.4		CS1W1	34.1*			
J2-3	6.7				CS1W2	44.9*			
J2-4	12.6	14.0							
J4-1	13.2								
J4-2	26.5	11.6	8.6						
J4-3	16.8								
J4-4	18.8	18.3							
J4-5	16.7								
J4-6	17.7	18.9							
J13-1	32.9								
J13-2	15.7	18.3	12.0						
J13-3	10.8								
J13-4	14.1	12.8							
J13-5	5.7								
J14-1	12.0								
J14-2	22.6	18.3	14.5						
J14-3	17.7								
J14-4	14.6	19.3							
J14-5	24.4								
CS5E1	24.2								
CS5E2	20.2								
CS5W1	17.9								
J15-1	15.8								
J15-2	12.0	7.5	10.1						
J15-3	21.8								
J15-4	3.5	3.1							
DOH-SS3	5.8								
CS4E1	46.2								
CS4E2	45.7								
CS4W1	47.0								
CS4W2	36.7								
J16-1	26.1								
J16-2	20.9	18.2	21.9	24.1					
J16-3	18.9								
J16-4	5.7	5.2	9.3						
M3-1	11.3								
M3-2	12.2	11.4	11.4						
M3-3	23.9								
M3-4	12.1	13.6							
CS3E1	8.0								
CS3W1	7.3								
M18-1	29.3								
M18-2	20.7	20.6	21.9	27.3					
M18-3	8.6								
M18-4	11.5	11.4	10.9	14.3					
M19-1	35.0								
M19-2	26.3	33.1	39.5	26.4					
M19-3	23.5								
M19-4	36.6	33.4	38.5	19.4					
M19-5	18.2								
CS2W1	39.5								
CS2W2	37.7								
M20-1	44.1								
M20-2	56.2	58.8	39.0	22.3					
M20-3	42.7								
M20-4	26.7	31.9	22.0	15.4					
M20-5	29.6								
CS2E1	35.0								
CS2E2	36.9								

NOTES FOR TABLES:  
 1. SAMPLE DEPTHS ARE PRESENTED IN INCHES.  
 2. NUMBERS IN PARENTHESES REPRESENT THE ACTUAL SAMPLE DEPTH INTERVAL IF DIFFERENT THAN THE SAMPLE INTERVAL INDICATED FOR THAT COLUMN.  
 3. \* = SOIL FROM THIS LOCATION LATER EXCAVATED DURING 2007 EARLY ACTION REMEDIAL ACTIVITIES AND REPLACED WITH CLEAN FILL.  
 4. RESULTS GREATER THAN 20.0 mg/kg ARE COLORED PINK.

FIGURE INDEX:



- LEGEND:
- A2H20 ■ 1985 - 2002 SAMPLE LOCATIONS
  - P14-4 ● 2004 RFI SAMPLE LOCATION
  - COE-P10-1 ▲ 2007 SAMPLE LOCATION
  - CATCH BASIN
  - MANHOLE
  - CULVERT 105
  - - - FORMER CULVERT
  - P14 ▽ PROPERTY IDENTIFICATION
  - APPROXIMATE EXTENT OF 2007 EARLY ACTION SOIL REMOVAL:
  - 24-INCH REMOVAL DEPTH
  - 48-INCH REMOVAL DEPTH

- GENERAL NOTES:
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ADDITIONAL SURVEY INFORMATION PROVIDED BY McINTOSH AND McINTOSH, INC. SURVEYORS, WITH A HORIZONTAL DATUM OF NAD27 AND A VERTICAL DATUM OF NGVD29.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - REFER TO FIGURE 3.3b FOR ADDITIONAL RESULTS COLLECTED DEEPER THAN 12 INCHES.



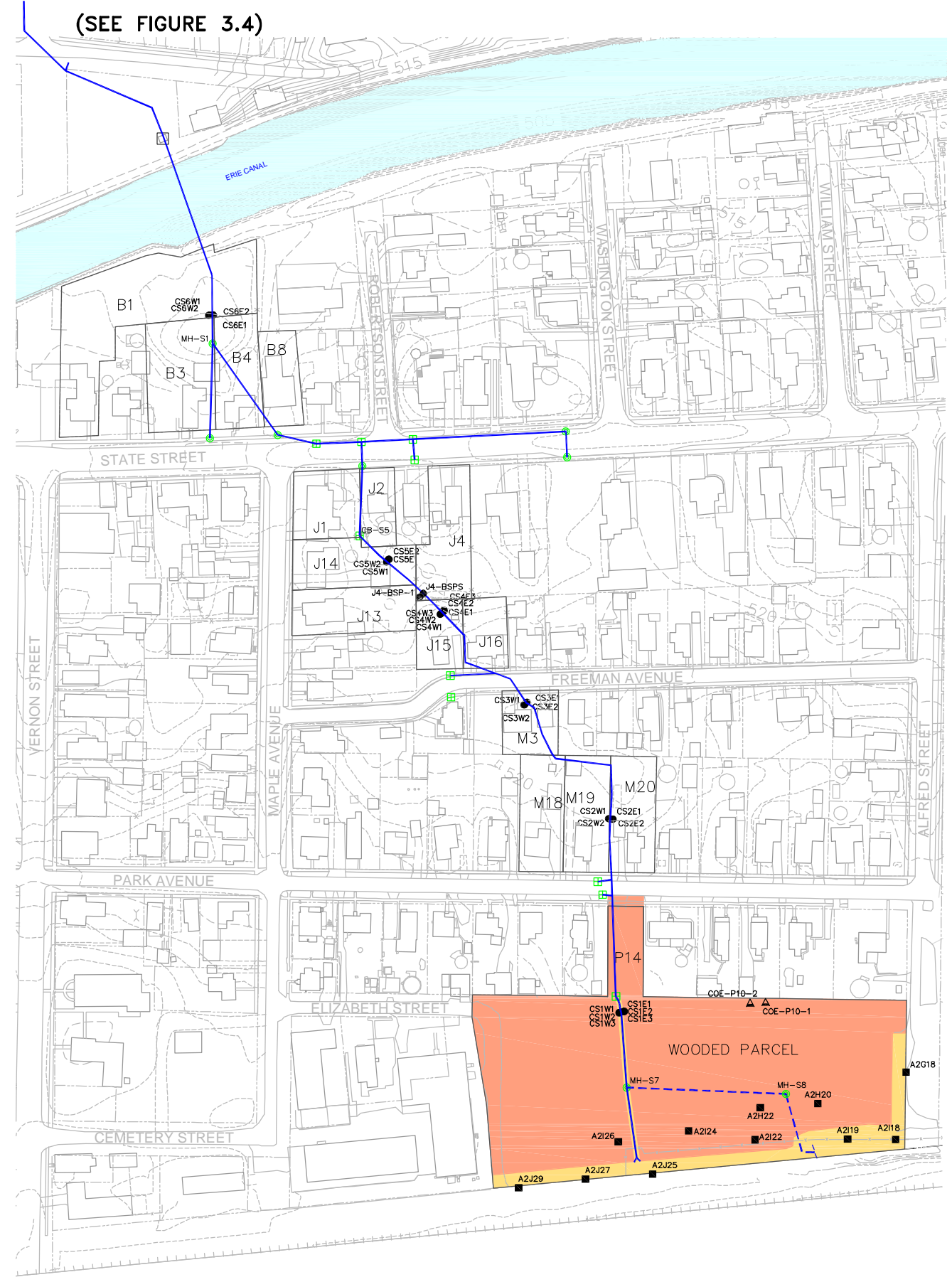
FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION  
 VOLUME II

**SOIL/SEDIMENT ARSENIC RESULTS  
 AT PROPERTIES TRAVERSED BY  
 CULVERT 105 SOUTH OF THE CANAL -  
 LESS THAN 12 INCHES**

**ARCADIS**

FIGURE 3.3a

CITY: SYRACUSE GROUP: ENVCAD DR: P. LISTER PM: D. WRIGHT LTR: ONA-OFF-REF (FRZ)  
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 XREFS: 37665X01 37665X02 3735XDL 37665X06  
 IMAGES: CATALOG: B0037665000\XREF



(SEE FIGURE 3.4)

FIGURE INDEX:

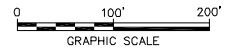


Sample ID/Sample Depth	SOIL/SEDIMENT ARSENIC RESULTS DEEPER THAN 12 INCHES									
	12-18	18-24	24-30	Reach CS		60-66	66-72	72-78	78-82	84-90
A2G18				30-36	36-42					
A2H20					239*(36-39)	13.8 (48-51)				
A2H22		49.0*(19-22)	10.5 (24-27)							
A2I18	201*(14-17)	179*(17-20)								
A2I19	22.0*(12-15)		7.5*(24-27)							
A2I24						4.2 (51-54)			5.7 (65-68)	
A2I26						11.9 (57-60)				
A2I25			14.0*(24-27)			4.1*(45-48)	4.6 (59-62)			
A2J27	348*(12-15)	435*(18-21)			22.4*(24-27)					
A2J29	368*(12-15)		139*(24-27)		3.9*(37-40)					
COE-P10-1	6.5*	4.6*	3.8	2.9						
COE-P10-2	8.7*	3.6*	4.7	3.8						
CS1E1	70.7*		65.3			41.7				
CS1E2	71.9*					53.0				
CS1E3						4.1	3.6			
CS1W1	74.2*		51.9*			67.6*	22.9	5.9		
CS1W2	83.2*		55.0*			55.8*	21.0		79.1	
CS1W3						48.1*	56.1		33.7	15.6
CS2E1	11.0		6.1			3.5	1.0		1.3	
CS2E2						1.6	1.2		1.1	
CS2W1	11.1		5.3			14.4	4.3		1.5	
CS2W2						4.5	1.5		1.7	
CS3E1	4.8		17.6			5.2	2.1		4.1	
CS3E2						3.2	4.9		3.9	
CS3W1	11.4					11.3	3.1		2.7	
CS3W2						4.2	2.7		3.0	
CS4E1	4.1		8.7			23.9	27.5	12.0	14.3	
CS4E2						21.4 (36-41)	26.5	3.7	2.2	
CS4E3						18.5				
CS4W1	11.6		19.1			19.7 (36-41)	24.8	16.0	5.0	
CS4W2			5.2			28.2	24.9		2.5	
CS4W3						24.1	3.4			
CS5E1	12.8		142			45.9 (36-39)	11.4	3.9	1.5	
CS5E2			17.5			15.8 (36-41)	4.2	2.1	1.1	
CS5W1	17.7		59.0*			4.1 (36-40)	2.5	1.1	1.2	
CS5W2			5.6			2.2	2.4		1.3	
CS6E1	12.3		2.9		8.6	3.3	4.9		1.6	
CS6E2						5.7	2.0		1.3	
CS6W1	2.7		5.7			10.6	4.5		2.0	
CS6W2						3.6	4.6		5.0	1.4
J4-BSP1						35.6 (36-39)	2.3			
J4-BSP5	26.0**									
MH-S1	59.0**									
MH-S7	88.9**									
MH-S8	114**									
CB-S5	77.5**									

- LEGEND:**
- A2H20 ■ 1985 - 2002 SAMPLE LOCATIONS
  - P14-4 ● 2004 RFI SAMPLE LOCATION
  - COE-P10-1▲ 2007 SAMPLE LOCATION
  - CATCH BASIN
  - MANHOLE
  - CULVERT 105
  - - - FORMER CULVERT
  - P14 ■ PROPERTY IDENTIFICATION
  - APPROXIMATE EXTENT OF 2007 EARLY ACTION SOIL REMOVAL:
  - 24-INCH REMOVAL DEPTH
  - 48-INCH REMOVAL DEPTH

- NOTES FOR TABLES:**
- SAMPLE DEPTHS ARE PRESENTED IN INCHES.
  - NUMBERS IN PARENTHESES REPRESENT THE ACTUAL SAMPLE DEPTH INTERVAL IF DIFFERENT THAN THE SAMPLE INTERVAL INDICATED FOR THAT COLUMN.
  - \* = SOIL FROM THIS LOCATION WAS LATER EXCAVATED DURING 2007 EARLY ACTION REMEDIAL ACTIVITIES AND REPLACED WITH CLEAN FILL.
  - \*\* = SEDIMENT FROM WITHIN BURIED PIPE, MANHOLE OR CATCH BASIN AT THIS LOCATION WAS LATER REMOVED DURING REPAIR OF PIPE SECTION IN 2004 OR DURING 2007 EARLY ACTION REMEDIAL ACTIVITIES.
  - RESULTS GREATER THAN 20.0 mg/kg ARE COLORED PINK.

- GENERAL NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ADDITIONAL SURVEY INFORMATION PROVIDED BY McINTOSH AND McINTOSH, INC. SURVEYORS, WITH A HORIZONTAL DATUM OF NAD27 AND A VERTICAL DATUM OF NGVD29.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - REFER TO FIGURE 3.3a FOR ADDITIONAL SOIL ARSENIC RESULTS COLLECTED IN THE 0-12 INCH DEPTH INTERVAL.



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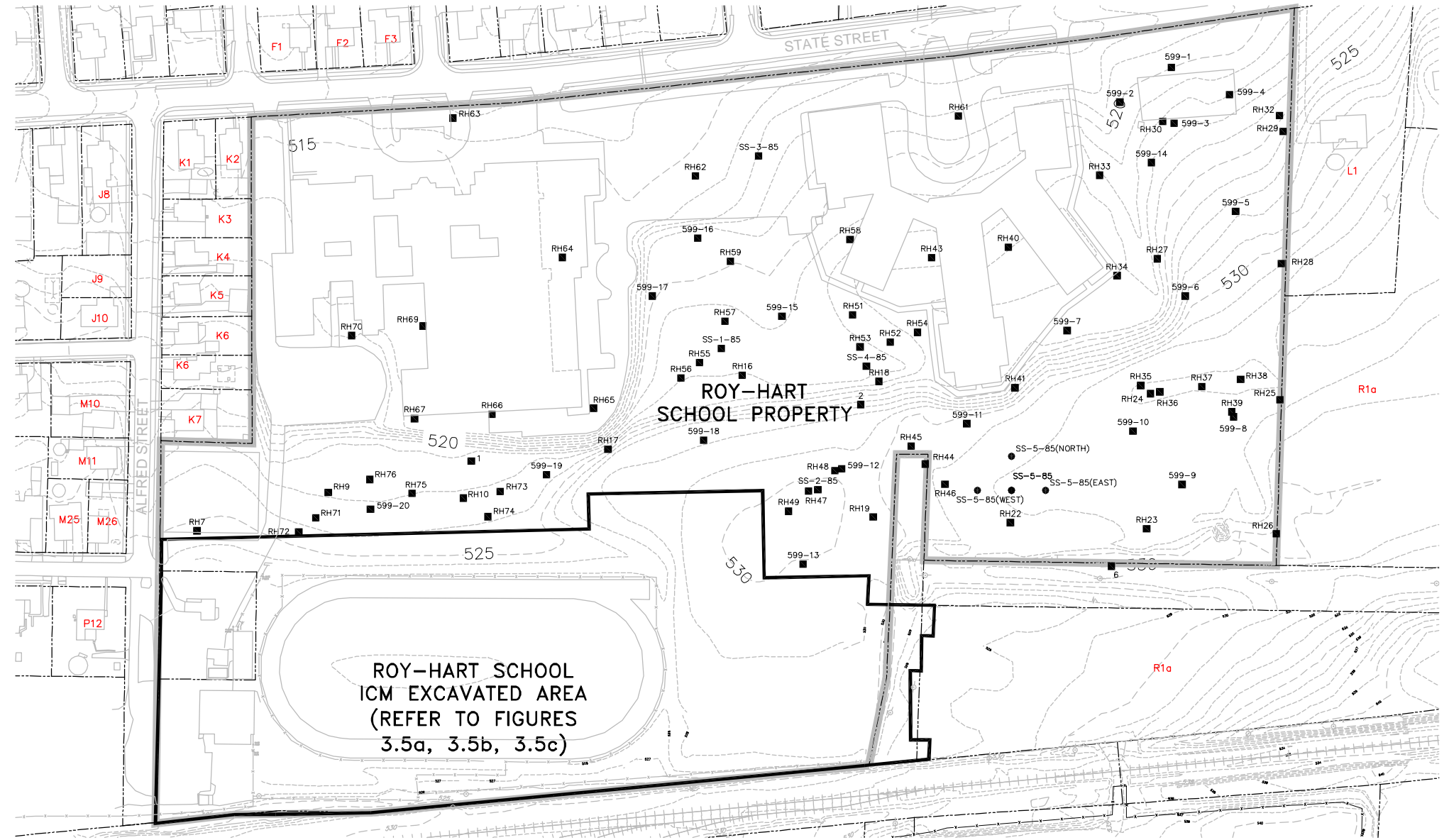
**SOIL/SEDIMENT ARSENIC RESULTS  
 AT PROPERTIES TRAVERSED BY  
 CULVERT 105 SOUTH OF THE CANAL -  
 DEEPER THAN 12 INCHES**

FIGURE 3.3b

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYN: ON: OFF: REF: (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\000000001\DWG\VOLUME-II\37735B07.DWG LAYOUT: 3.4 SAVED: 3/20/2009 11:40 AM ACADVER: 17.05 (LMS TECH) PAGESETUP: ... PLOTSTYLETABLE: PLT\FULLCTB PLOTTED: 3/20/2009 11:41 AM BY: LISTER, PAUL  
 XREFS: IMAGES: PROJECTNAME: ...

Roy-Hart School Property			
Arsenic Results (mg/kg)			
Surface Soil Sample ID	Sample Interval (inches)	0-3	0-6
1	---	35.2	228
2	---	21.8	2.8
6	---	24.4	---
599-1	30.3	32.4	---
599-2	20.0	20.8	---
599-3	32.5	32.6	---
599-4	29.4	30.3	---
599-5	28.1	29.8	---
599-6	30.4	29.6	---
599-7	31.1	34.7	---
599-8	39.1	39.7	---
599-9	9.1	7.1	---
599-10	41.3	42.1	---
599-11	26.6	26.7	---
599-12	47.0	51.6	---
599-13	53.5	55.0	---
599-14	27.5	32.4	---
599-15	57.1	60.0	---
599-16	35.2	33.4	---
599-17	46.1	47.5	---
599-18	32.0	29.4	---
599-19	44.5	36.2	---
599-20	46.9	47.3	---
RH7	---	18.4	---
RH9	---	22.2	---
RH10	---	10.2	---
RH16	---	42.4	---
RH17	---	14.0	---
RH18	---	8.9	---
RH19	---	9.5	---
RH22	---	7.0	---
RH23	---	11.7	---
RH24	---	12.5	---
RH25	---	53.0	---
RH26	---	62.3	---
RH27	---	5.4	---
RH28	---	31.9	---
RH29	---	16.7	---
RH30	---	34.3	---
RH32	---	31.3	---
RH33	---	8.6	---
RH34	---	15.6	---
RH35	---	35.9	---
RH36	---	3.6	---
RH37	---	2.9	---
RH38	---	23.4	---
RH39	---	14.6	---
RH40	---	48.3	---

Roy-Hart School Property			
Arsenic Results (mg/kg)			
Surface Soil Sample ID	Sample Interval (inches)	0-6	18-24
RH41	---	35.6	---
RH43	---	17.3	---
RH44	---	8.6	---
RH45	---	55.3	---
RH46	---	37.4	---
RH47	---	6.0	---
RH48	---	20.8	---
RH49	---	17.8	---
RH51	---	ND	---
RH52	---	3.7	---
RH53	---	39.2	---
RH54	---	3.1	---
RH55	---	8.2	---
RH56	---	27.4	---
RH57	---	37.0	---
RH58	---	22.8	---
RH59	---	35.3	---
RH61	---	16.9	---
RH62	---	6.4	---
RH63	---	19.9	---
RH64	---	13.4	---
RH65	---	23.9	---
RH66	---	33.5	---
RH67	---	24.2	---
RH69	---	15.3	---
RH70	---	16.1	---
RH71	---	9.1	---
RH72	---	26.1	---
RH73	---	13.2	---
RH74	---	13.9	---
RH75	---	36.2	---
RH76	---	42.4	---
SS-1-85	---	61.0	---
SS-2-85	---	75.5	---
SS-3-85	---	115	---
SS-4-85	---	54.0	---
SS-5-85	---	71.7	---
SS-5-85(EAST)-99	---	34.1	---
SS-5-85(NORTH)-99	---	49.5	---
SS-5-85(WEST)-99	---	29.0	---
SS-5-85-99	---	37.9	---



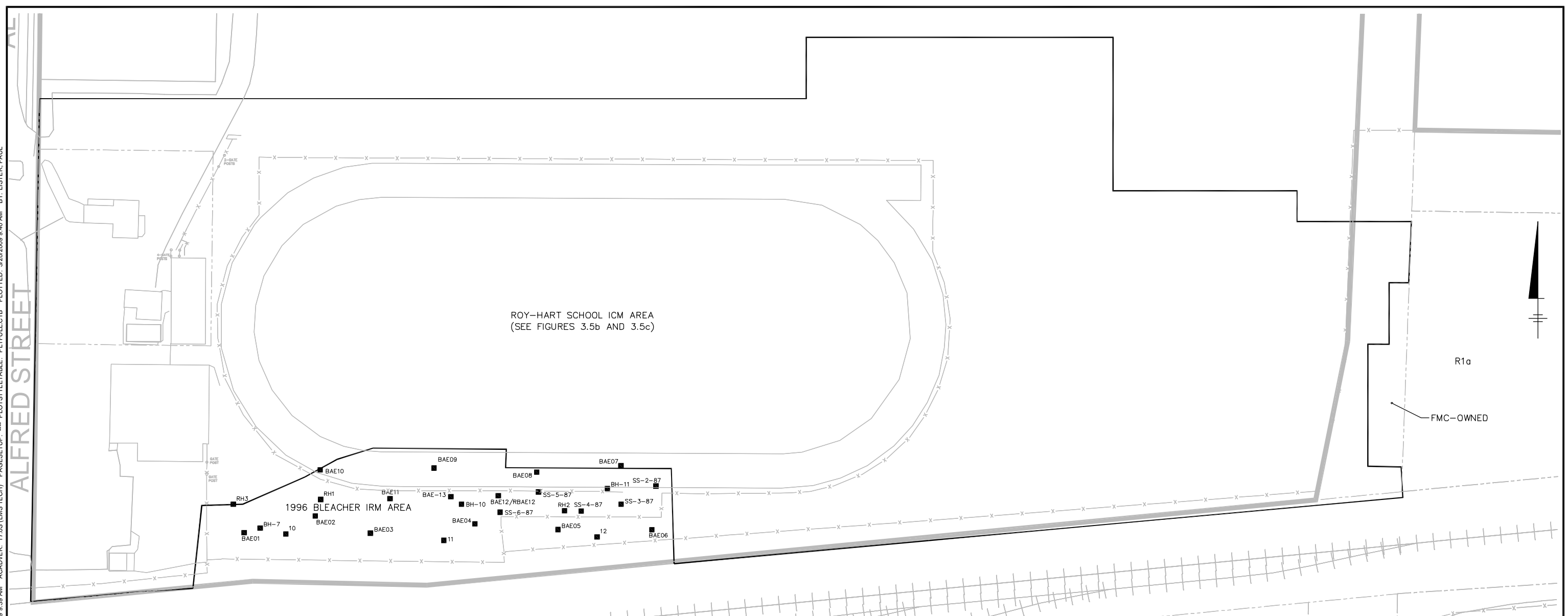
- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 1985 - 1999 SAMPLING LOCATION
  - PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'
  2. ADDITIONAL MAPPING INFORMATION OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "AREA WEIGHTED AVERAGE SURFACE SOIL ARSENIC CONCENTRATIONS" DATED FEBRUARY 2004 AT A SCALE OF 1"=200'. ALL ANALYTICAL DATA PROVIDED BY CRA.
  3. SAMPLE RESULTS FROM THE EXCAVATED AREA ARE NOT PRESENTED ON THIS FIGURE.
  4. ALL LOCATIONS ARE APPROXIMATE.
  5. SAMPLES SS-3-85, RH-62, AND RH-64 PRESUMED REMOVED BY ADDITION TO HIGH SCHOOL AND CONSTRUCTION OF EXPANDED PARKING LOT.

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 VOLUME II**

**ROY-HART SCHOOL PROPERTY AREA  
 SAMPLING LOCATIONS**

**FIGURE  
 3.4**



1996 Bleacher Irm Area Remaining Sample Results		
Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)
<b>1990-1993 Off-Site Investigation</b>		
BH7	24-48	3.9
	48-72	3.2
	72-96	3.6
	96-120	ND
	120-123.6	0.81
BH10	48-72	ND
	72-96	1.6
	96-120	ND
	120-144	1.3
BH11	24-48	15.9
	48-72	4.0
	72-96	2.8
	96-120	1.5
	120-144	ND
<b>July - August 1996 Bleacher Area Excavation</b>		
BAE01	24-30	3.3
BAE02	24-30	4.7
BAE03	24-30	28.7
BAE04	24-30	3.7
BAE05	24-30	5.4
BAE06	24-30	4.4
BAE07	24-30	29.1
BAE08	24-30	47.7
BAE09	24-30	5.3
BAE10	24-30	9.1
BAE11	24-30	18.8
RBAE12	30-36	4.4

1996 Bleacher Irm Area Excavated Sample Results		
Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)
<b>Nov 1986 DEC Site Investigation</b>		
10	0-6	46.8
	18-24	349
11	0-6	171
	18-24	11.2
12	0-6	260
	18-24	34.6
<b>March 1987 Roy-Hart Supplemental Investigation</b>		
SS-2-87	0-6	45.0
SS-3-87	0-6	110
SS-4-87	0-6	110
SS-5-87	0-6	33.0
SS-6-87	0-6	39.0
<b>December 1987 Roy-Hart Comprehensive Sampling</b>		
RH01	0-6	560
RH02	0-6	140
RH03	0-6	1.7
<b>1990-1993 Off-Site Investigation</b>		
BH7	0-6	140
BH10	0-6	258
	24-48	98.9
BH11	0-6	293
	12-18	0.99
<b>July - August 1996 Bleacher Area Excavation</b>		
BAE12	24-30	124
BAE13	24-30	1,350
G-8	48-48	30.6

**NOTES:**

- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'
- ADDITIONAL MAPPING INFORMATION OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "AREA WEIGHTED AVERAGE SURFACE SOIL ARSENIC CONCENTRATIONS" DATED FEBRUARY 2004 AT A SCALE OF 1"=200'.
- SAMPLE LOCATIONS WITHIN THE ROY-HART EXCAVATED AREA ARE BASED ON A FIGURE (PLAN 2) BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "PRE-EXCAVATION ARSENIC SOIL DATA", DATED JUNE 1999, AT A SCALE OF 1"=60' [02385-00(021)GN-NF012 JUN 09/99].
- ALL LOCATIONS ARE APPROXIMATE.
- SAMPLES CORRESPONDING TO SOIL WITHIN BLEACHER IRM AREA THAT WAS EXCAVATED IN 1996 WERE REPLACED WITH CLEAN FILL.

**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- ROY-HART SCHOOL PROPERTY LINE
- APPROXIMATE LIMITS OF ICM EXCAVATED AREA
- EXISTING BUILDING/STRUCTURE
- SAMPLING LOCATIONS 1986 - 1996

0 40' 80'  
GRAPHIC SCALE

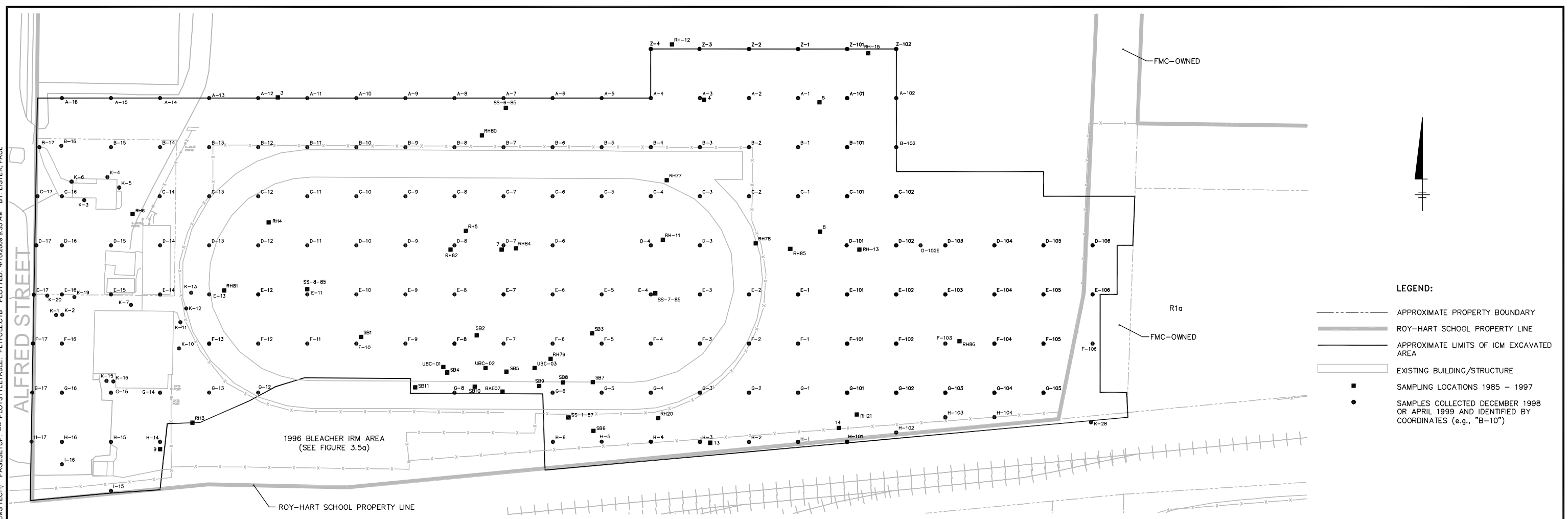
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**RCRA FACILITY INVESTIGATION  
VOLUME II**

**BLEACHER IRM AREA SAMPLE  
LOCATIONS ARSENIC RESULTS**

**ARCADIS**

FIGURE  
**3.5a**

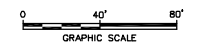
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**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- ROY-HART SCHOOL PROPERTY LINE
- APPROXIMATE LIMITS OF ICM EXCAVATED AREA
- EXISTING BUILDING/STRUCTURE
- SAMPLING LOCATIONS 1985 - 1997
- SAMPLES COLLECTED DECEMBER 1998 OR APRIL 1999 AND IDENTIFIED BY COORDINATES (e.g., "B-10")

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'
  2. ADDITIONAL MAPPING INFORMATION OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "AREA WEIGHTED AVERAGE SURFACE SOIL ARSENIC CONCENTRATIONS" DATED FEBRUARY 2004 AT A SCALE OF 1"=200'.
  3. SAMPLE LOCATIONS WITHIN THE ROY-HART EXCAVATED AREA ARE BASED ON A FIGURE (PLAN 2) BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "PRE-EXCAVATION ARSENIC SOIL DATA", DATED JUNE 1999, AT A SCALE OF 1"=60' [02385-00(021)GN-NF012 JUN 09/99].
  4. ALL LOCATIONS ARE APPROXIMATE.
  5. ARSENIC SOIL DATA PROVIDED IN APPENDIX C. ICM AREA REPLACED WITH CLEAN FILL.

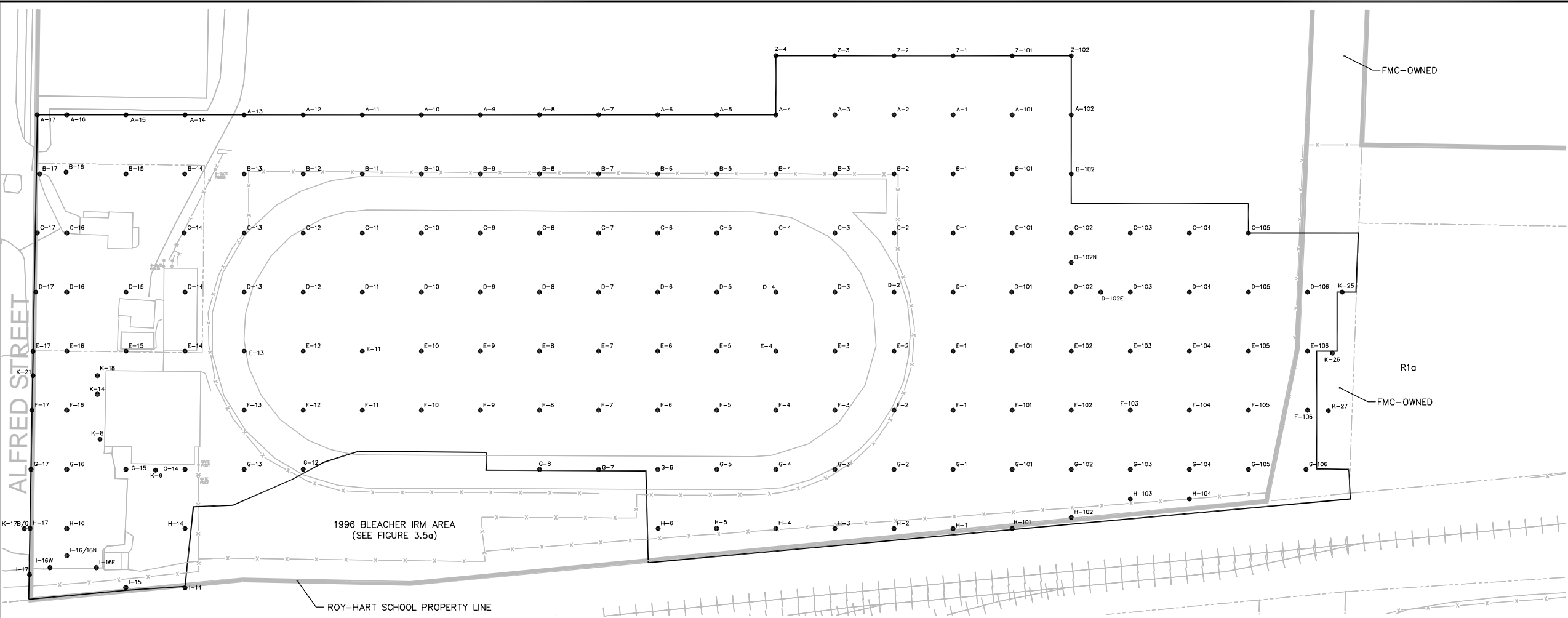


Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)
<b>July-August 1988 Bleacher Area Excavation</b>																	
UBC-01	0-3	455	...														
<b>November 1988 Roy-Hart Sampling</b>																	
SS-06-85	0-6	89.0	...														
<b>Nov 1988 DEC Site Investigation</b>																	
3	0-6	37.4	...														
<b>March 1987 Roy-Hart Supplemental Investigation</b>																	
SS-1-87	0-6	41.0	...														
<b>December 1987 Roy-Hart Comprehensive Sampling</b>																	
RH03	0-6	1.7	...														
<b>July-August 1988 Bleacher Area Excavation</b>																	
UBC-01	0-3	455	...														
<b>November 1988 Under Bleacher and Football Field Sampling</b>																	
SB1	0-3	207	...														
<b>December 1987 Roy-Hart Comprehensive Sampling</b>																	
RH03	0-6	1.7	...														
<b>July-August 1988 Bleacher Area Excavation</b>																	
UBC-01	0-3	455	...														
<b>November 1988 Under Bleacher and Football Field Sampling</b>																	
SB1	0-3	207	...														
<b>December 1987 Roy-Hart Comprehensive Sampling</b>																	
RH03	0-6	1.7	...														

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 RCRA FACILITY INVESTIGATION  
 VOLUME II

**ROY-HART SCHOOL ICM AREA  
 EXCAVATED SAMPLING LOCATIONS**

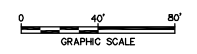
**FIGURE 3.5b**



**LEGEND:**  
 --- APPROXIMATE PROPERTY BOUNDARY  
 --- ROY-HART SCHOOL PROPERTY LINE  
 --- APPROXIMATE LIMITS OF ICM EXCAVATED AREA  
 [Symbol] EXISTING BUILDING/STRUCTURE  
 [Symbol] SAMPLES COLLECTED DECEMBER 1998 OR APRIL 1999 AND IDENTIFIED BY COORDINATES (e.g., "B-10")

Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)	Location ID	Sample Interval (inches)	Arsenic Results (mg/kg)
A-1	18-21	4.4	B-12	18-21	3.9	C-11	12-15	4.4	D-10	12-15	4.4	E-9	18-21	3.9	F-8	12-15	4.4

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'
  - ADDITIONAL MAPPING INFORMATION OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "AREA WEIGHTED AVERAGE SURFACE SOIL ARSENIC CONCENTRATIONS" DATED FEBRUARY 2004 AT A SCALE OF 1"=200'.
  - SAMPLE LOCATIONS WITHIN THE ROY-HART EXCAVATED AREA ARE BASED ON A FIGURE (PLAN 1) BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "POST EXCAVATION ARSENIC DATA", DATED SEPTEMBER 2000, AT A SCALE OF 1"=100' [02385-00(024)GN-NF006 NOV 17/2000].
  - ALL LOCATIONS ARE APPROXIMATE.
  - POST EXCAVATION "K-#" SERIES SAMPLES NOT SURVEYED. LOCATIONS ESTIMATED BASED ON DESCRIPTION IN ICM CONSTRUCTION REPORT - ROY-HART SCHOOL FOOTBALL FIELD AREA EXCAVATION PROJECT (CRA, 2000). K-17B AND K-17G ARE BENEATH THE ALFRED STREET RIGHT-OF-WAY.
  - ARSENIC SOIL DATA PROVIDED IN APPENDIX C. ICM AREA REPLACED WITH CLEAN FILL.



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 RCRA FACILITY INVESTIGATION  
 VOLUME II

**ROY-HART SCHOOL ICM AREA  
 REMAINING SAMPLING LOCATIONS**

**FIGURE 3.5c**

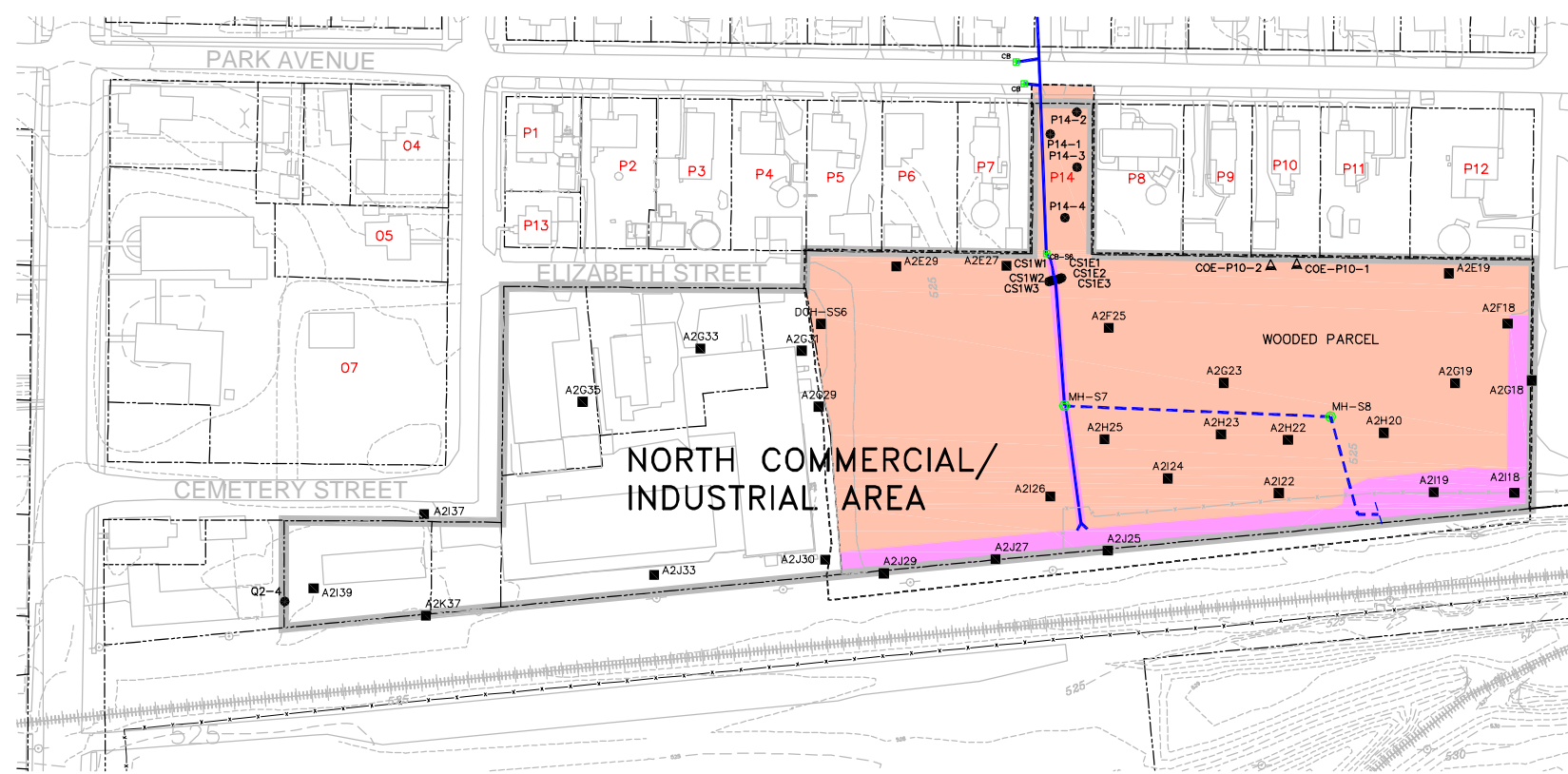






CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYN: ON: OFF: REF: (FRZ)  
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 XREFS: IMAGES: CATALOG: B003765000000XREF  
 3765X01  
 3765X02  
 37735XDL  
 ACADVER: 17.05 (LMS.TECH) PAGES: 17.05 (LMS.TECH) PLOTTED: 3/20/2009 11:05 AM BY: LISTER, PAUL  
 PLOTSTYLETABLE: PLT\FULLCTB PAGESETUP: --- PLOTSTYLETABLE: PLT\FULLCTB PLOTTED: 3/20/2009 11:05 AM BY: LISTER, PAUL

REFER TO FIGURE 3.23 FOR 2007 EARLY ACTION REMOVAL ON P-BLOCK PROPERTIES.



**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 1986 - 2002 SAMPLING LOCATION
- CULVERT 105
- FORMER CULVERT 105
- MANHOLE
- CATCHBASIN
- P12 PROPERTY ID NUMBER

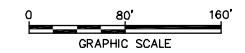
APPROXIMATE EXTENT OF 2007 EARLY ACTION:

- 24-INCH REMOVAL DEPTH
- 48-INCH REMOVAL DEPTH

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'
  2. ADDITIONAL MAPPING INFORMATION OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "AREA WEIGHTED AVERAGE SURFACE SOIL ARSENIC CONCENTRATIONS" DATED FEBRUARY 2004 AT A SCALE OF 1"=200'.
  3. ALL LOCATIONS ARE APPROXIMATE.
  4. REFER TO 2007 EARLY ACTIONS CONSTRUCTION REPORT (ARCADIS 2009) FOR DETAILED INFORMATION ON EXTENT OF SOIL REMOVED.
  5. \* = SOIL LATER EXCAVATED DURING 2007 EARLY ACTIONS AND REPLACED WITH CLEAN FILL.
  6. \*\* = SEDIMENT FROM MANHOLES/CATCH BASINS LATER REMOVED DURING 2007 EARLY ACTIONS.

North Commercial/Industrial Area Borings							
Boring ID	Arsenic Results (mg/kg)						
	Sample Interval (inches)						
	0-3	3-6	6-9	9-12	Deeper than 12 Inches		
A2E19	49.6*	---	3.3 (8 - 11)*	---	---	---	---
A2E27	94.9*	---	---	---	---	---	---
A2E29	23.5*	---	---	---	---	---	---
A2F18	---	---	73.5 (7-10)*	---	---	---	---
A2F25	95.6*	---	---	---	---	---	---
A2G18	---	---	---	---	---	239 (36 - 39)*	13.8 (48 - 51)
A2G19	14.2*	---	49.1 (8 - 11)*	---	---	---	---
A2G23	55.3*	---	---	---	---	---	---
A2G29	47.2	---	---	---	---	---	---
A2G31	91.1	---	---	---	---	---	---
A2G33	30.6	---	---	---	---	---	---
A2G35	32.0	---	---	---	---	---	---
A2H20	12.2*	---	---	---	---	10.5 (24 - 27)	---
A2H22	17.8*	---	---	---	49 (19 - 22)*	---	---
A2H23	24.7*	---	---	---	---	---	---
A2H25	64.4*	---	---	---	---	---	---
A2I18	---	---	---	201 (14 - 17)*	179 (17 - 20)*	---	---
A2I19	17.7*	---	---	22 (12 - 15)*	---	7.5 (24 - 27)*	5.7 (65 - 68)
A2I22	66.5*	---	---	66.1*	---	---	---
A2I24	48.5*	---	---	---	---	---	4.2 (51 - 54)
A2I26	87.1*	---	---	---	---	---	11.9 (57 - 60)
A2I37	8.7	---	---	---	---	---	---
A2I39	6.0	---	---	---	---	---	---
A2J25	26.3*	---	---	14.5 (11 - 14)*	---	14.0 (24 - 27)*	4.1 (45 - 48)* 4.6 (59 - 62)
A2J27	257*	---	---	---	348 (12 - 15)*	435 (18 - 21)*	22.4 (24 - 27)*
A2J29	102*	---	---	---	368 (12 - 15)*	---	1.39 (24 - 27)*
A2J30	---	---	340 (8 - 11)	---	230 (14 - 17)	24.4 (21 - 24)	---
A2J33	45.5	---	---	---	148 (19 - 21)	385 (21 - 24)	---
A2K37	14.8	---	---	---	54.1 (12 - 15)	1.9 (24 - 27)	3.9 (36 - 39) 3.3 (64 - 67)
DOH-SS6	56*	---	---	---	---	---	---
P14-1	101*	---	---	---	---	---	---
P14-2	33.8*	31.4*	38.7*	18.9*	---	---	---
P14-3	46.3*	---	---	---	---	---	---
P14-4	113*	71.9*	32.0*	3.3*	---	---	---
COE-P10-1	74.8*	25.0*	9.7*	6.9*	6.5 (12 - 18)*	4.6 (18 - 24)*	3.8 (24 - 30) 2.9 (30 - 36)
COE-P10-2	49.2*	42.2*	26.8*	9.1*	8.7 (12 - 18)*	3.6 (18 - 24)*	4.7 (24 - 30) 3.8 (30 - 36)

Culvert 105 Cross-section Borings								
Boring ID	Arsenic Results (mg/kg)							
	Sample Interval (inches)							
	0-3	12-18	24-30	48-54	60-66	66-72	72-78	78-82
CS1E1	32.5*	70.7*	65.3	41.7	---	---	---	---
CS1E2	32.1*	71.9*	---	53.0	---	---	---	---
CS1E3	---	---	---	4.1	3.6	---	---	---
CS1W1	34.1*	74.2*	51.9*	67.6*	22.9	5.9	---	---
CS1W2	44.9*	83.2*	55.0*	55.8*	21.0	---	79.1	---
CS1W3	---	---	---	48.1*	56.1	---	33.7	15.6
MH-S7	88.9**	---	---	---	---	---	---	---
MH-S8	114**	---	---	---	---	---	---	---



**FMC CORPORATION - MIDDLEPORT, NEW YORK**  
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**VOLUME II**

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**NORTH COMMERCIAL/INDUSTRIAL**  
**AREA SAMPLING LOCATIONS**

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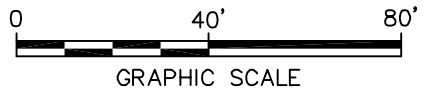
**FIGURE**  
**3.7**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNON+OFF=REF (FRZ)  
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 XREFS: IMAGES: CATALOG: B0037665000000XREF 3775512 3766502



- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - A1 PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. PROPERTY A1 WAS NOT SAMPLED DUE TO ACCESS ISSUES.



Group A Borings			
Arsenic Results (mg/kg)			
Boring ID	Sample Interval (inches)		
	0-3	3-6	6-9
A2-1	18.8	---	---
A2-2	11.5	12.0	9.9
A2-3	39.3	---	---
A2-4	7.6	8.6	---
A3-1	9.1	---	---
A3-2	9.8	10.7	---
A3-3	10.6	---	---
A3-4	13.9	13.1	31.8

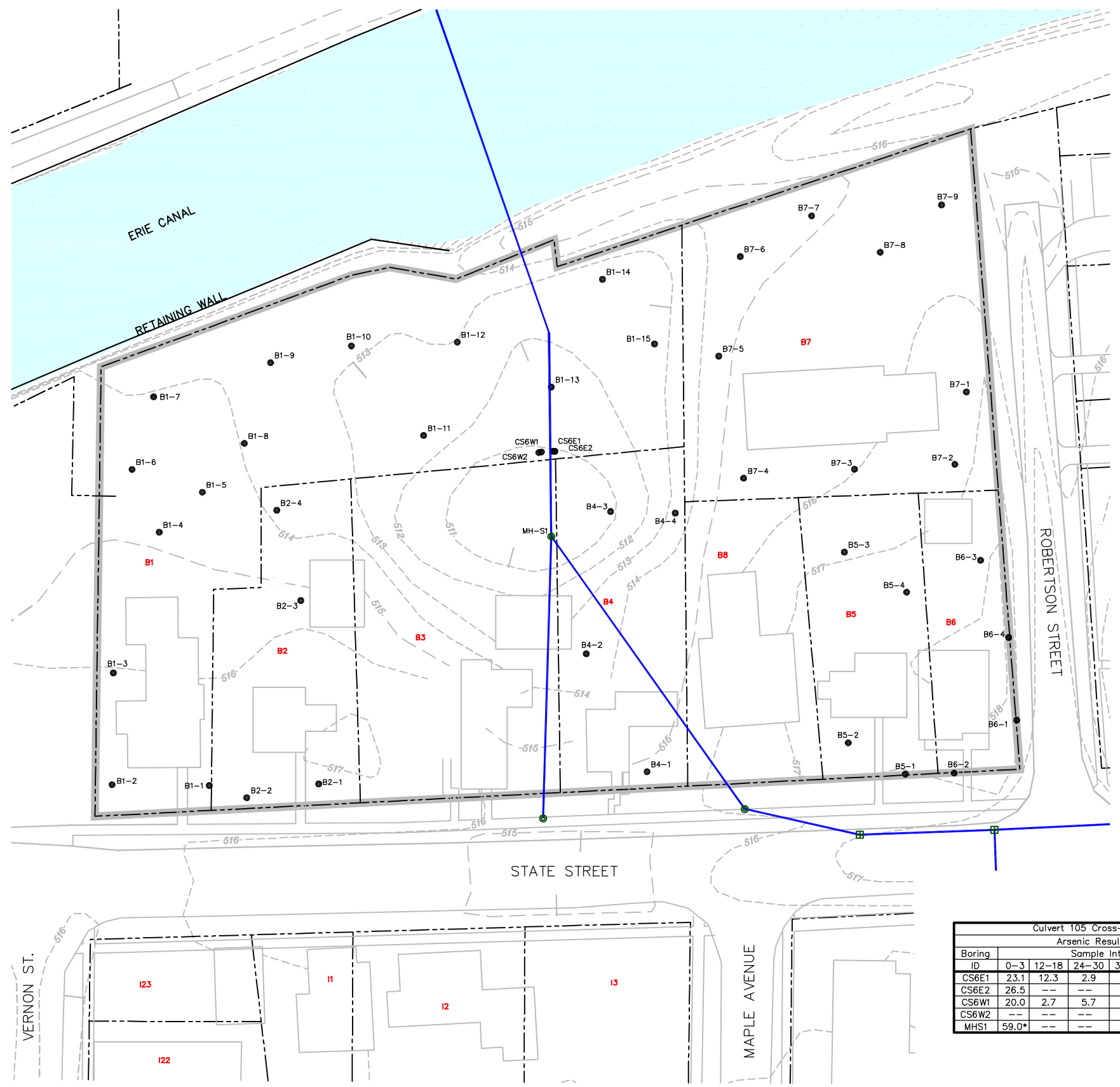
FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**A - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**



FIGURE  
**3.8**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER PM: D. WRIGHT LYNOR: OFF=REF (FRZ)  
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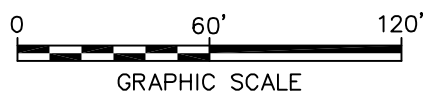
Group B Borings				
Boring ID	Arsenic Results (mg/kg)			
	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
B1-1	14.5	---	---	---
B1-2	39.6	63.9	37.9	25.9
B1-3	4.3	---	---	---
B1-4	10.0	10.2	---	---
B1-5	9.4	---	---	---
B1-6	9.7	10.2	4.6	---
B1-7	6.5	---	---	---
B1-8	9.3	9.6	---	---
B1-9	11.5	---	---	---
B1-10	65.1	77.0	159	163
B1-11	9.8	---	---	---
B1-12	13.5	11.9	17.8	---
B1-13	15.5	---	---	---
B1-14	11.7	17.5	18.9	---
B1-15	32.4	---	---	---
B2-1	20.6	---	---	---
B2-2	18.2	13.1	8.7	---
B2-3	8.0	---	---	---
B2-4	13.3	15.9	22.2	---
B4-1	13.4	---	---	---
B4-2	5.5	5.3	---	---
B4-3	14.1	---	---	---
B4-4	14.2	17.1	16.9	---
B5-1	15.7	---	---	---
B5-2	8.5	9.8	8.5	---
B5-3	10.6	---	---	---
B5-4	15.6	18.3	---	---
B6-1	22.5	---	---	---
B6-2	24.2	25.0	15.4	10.7
B6-3	12.8	---	---	---
B6-4	20.9	25.5	16.4	8.2
B7-1	5.5	---	---	---
B7-2	15.5	19.0	---	---
B7-3	6.0	---	---	---
B7-4	4.6	4.8	---	---
B7-5	10.9	---	---	---
B7-6	6.2	7.2	6.5	---
B7-7	19.9	---	---	---
B7-8	8.5	8.3	8.8	---
B7-9	6.4	---	---	---

Culvert 105 Cross-section Borings								
Boring ID	Arsenic Results (mg/kg)							
	Sample Interval (inches)							
	0-3	12-18	24-30	30-36	48-54	60-66	72-78	84-90
CS6E1	23.1	12.3	2.9	8.6	3.3	4.9	1.6	---
CS6E2	26.5	---	---	---	5.7	2.0	1.3	---
CS6W1	20.0	2.7	5.7	---	10.6	4.5	2.0	1.4
CS6W2	---	---	---	---	3.6	4.6	5.0	---
MHS1	59.0*	---	---	---	---	---	---	---

**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- PROPERTY ID NUMBER
- CULVERT 105
- MANHOLE
- CATCHBASIN

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  - PROPERTY B3 WAS NOT SAMPLED DUE TO ACCESS ISSUES. PROPERTY B8 WAS NOT SAMPLED DUE TO EXTENSIVE PAVEMENT.
  - \* = SEDIMENT COLLECTED FROM BASE OF MANHOLE WAS LATER REMOVED DURING 2007 EARLY ACTIONS.



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**B - BLOCK PROPERTIES SAMPLING LOCATIONS**

FIGURE 3.9

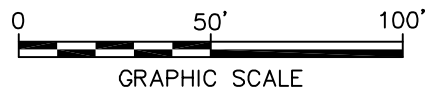
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 XREFS: IMAGES: CATALOG: B00376650000XREF 37758514 37665X02



- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - C1 PROPERTY ID NUMBER
  - MANHOLE
  - CATCHBASIN

Group C Borings				
Arsenic Results (mg/kg)				
Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
C1-1	9.1	---	---	---
C1-2	5.3	7.1	---	---
C1-3	12.3	---	---	---
C1-4	4.7	6.7	6.0	---
C1-5	5.6	---	---	---
C1-6	5.5	5.4	---	---
C2-1	21.1	---	---	---
C2-2	18.2	17.6	---	---
C2-3	24.0	---	---	---
C2-4	21.2	17.8	11.5	---
C3-1	25.9	---	---	---
C3-2	15.1	20.6	14.2	11.0
C3-3	23.6	---	---	---
C3-4	13.0	14.2	---	---
C3-5	11.0	---	---	---
C3-6	31.3	32.7	18.7	7.1
C3-7	26.8	---	---	---
C3-8	18.0	22.0	20.9	10.5
C4-1	14.2	---	---	---
C4-2	9.8	9.8	---	---
C4-3	12.7	---	---	---
C4-4	14.6	18.2	12.4	---
C8-1	4.7	---	---	---
C8-2	20.3	23.0	15.4	7.9
C8-3	13.0	---	---	---
C8-4	13.9	17.9	20.7	---
C9-1	16.2	---	---	---
C9-2	15.9	18.0	13.1	---
C9-3	7.4	---	---	---
C9-4	8.1	8.3	---	---
C10-1	12.3	---	---	---
C10-2	15.7	16.6	9.4	---
C10-3	14.4	---	---	---
C10-4	3.8	9.5	---	---
C11-1	9.2	---	---	---
C11-2	3.0	2.8	---	---
C11-3	4.0	---	---	---
C11-4	4.9	4.1	2.3	---

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDs.
  5. PROPERTIES C5, C6, AND C7 WERE NOT SAMPLED DUE TO ACCESS ISSUES.

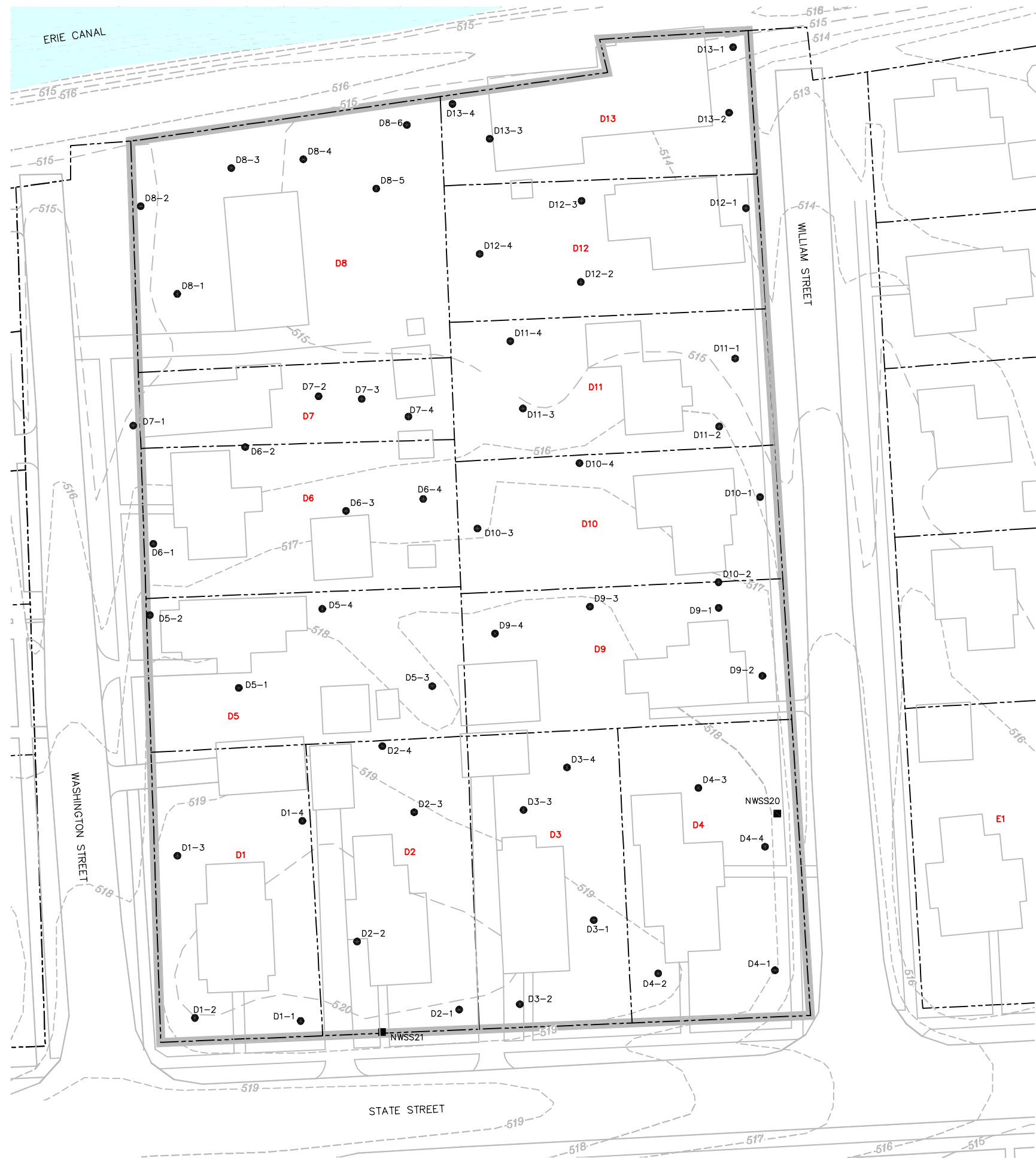


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**C - BLOCK PROPERTIES SAMPLING LOCATIONS**

FIGURE 3.10

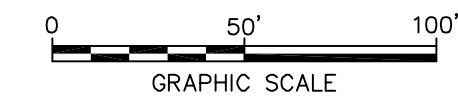
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 XREFS: IMAGES: CATALOG: B00376650000XREF 37735XBL 37665X02



Group D Borings					
Arsenic Results (mg/kg)					
Boring ID	Sample Interval (inches)	0-3	3-6	6-9	9-12
D1-1	33.0	---	---	---	---
D1-2	25.6	24.9	14.3	7.3	---
D1-3	21.1	---	---	---	---
D1-4	14.6	22.4	24.3	13.2	---
D2-1	27.5	---	---	---	---
D2-2	24.8	29.1	26.4	20.7	---
D2-3	4.7	---	---	---	---
D2-4	22.6	27.3	48.1	19.7	---
NWSS21	35.0	---	---	---	---
D3-1	25.9	---	---	---	---
D3-2	24.9	26.1	16.4	7.4	---
D3-3	20.4	---	---	---	---
D3-4	36.0	35.7	67.8	48.8	---
D4-1	34.0	---	---	---	---
D4-2	18.3	14.7	---	---	---
D4-3	17.5	---	---	---	---
D4-4	33.0	30.5	20.1	10.3	---
NWSS20	31.4	---	---	---	---
D5-1	31.4	---	---	---	---
D5-2	26.4	26.5	13.4	6.3	---
D5-3	18.8	---	---	---	---
D5-4	20.8	20.4	20.4	13.8	---
D6-1	19.0	---	---	---	---
D6-2	30.1	26.3	27.1	21.2	---
D6-3	21.8	---	---	---	---
D6-4	11.1	10.4	---	---	---
D7-1	11.2	---	---	---	---
D7-2	5.4	8.0	10.6	---	---
D7-3	4.8	---	---	---	---
D7-4	97.6	86.0	39.5	47.8	---
D8-1	13.5	---	---	---	---
D8-2	18.5	20.2	17.2	11.6	---
D8-3	15.8	---	---	---	---
D8-4	16.0	18.9	21.1	---	---
D8-5	12.9	---	---	---	---
D8-6	15.5	20.0	---	---	---
D9-1	19.2	---	---	---	---
D9-2	41.3	49.5	42.9	23.1	---
D9-3	14.0	---	---	---	---
D9-4	18.1	16.6	---	---	---
D10-1	30.3	---	---	---	---
D10-2	16.5	16.4	17.5	---	---
D10-3	20.6	---	---	---	---
D10-4	16.9	23.5	36.6	42.8	---
D11-1	9.7	---	---	---	---
D11-2	9.7	8.5	---	---	---
D11-3	13.5	---	---	---	---
D11-4	28.0	29.3	58.2	44.8	---
D12-1	30.4	---	---	---	---
D12-2	54.0	89.3	22.6	11.5	---
D12-3	22.7	---	---	---	---
D12-4	44.6	56.5	69.6	37.1	---
D13-1	18.0	---	---	---	---
D13-2	11.7	13.3	---	---	---
D13-3	6.8	---	---	---	---
D13-4	6.9	5.7	---	---	---

- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.



FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**D - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE  
**3.11**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYS: ON: OFF: REF: (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\00000000\DWG\VOLUME-II\37735516.DWG LAYOUT: 3.12. SAVED: 3/20/2009 11:25 AM ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOT: PLT: FULL CTB PLOTTED: 3/20/2009 11:25 AM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B0037665\0000\XREF 37735XBL 37665X02



Group E Borings				
Boring ID	Arsenic Results (mg/kg)			
	0-3	3-6	6-9	9-12
E1-1	28.4	---	---	---
E1-2	31.5	37.3	24.4	14.4
E1-3	19.3	---	---	---
E1-4	20.2	24.2	20.7	14.7
NWSS19	15.4	---	---	---
E2-1	12.5	---	---	---
E2-2	15.1	13.1	---	---
E2-3	6.9	---	---	---
E2-4	3.7	3.3	3.2	---
E3-1	9.9	---	---	---
E3-2	7.4	5.8	6.2	---
E3-3	8.6	---	---	---
E3-4	8.0	9.6	---	---
NWSS18	18.2	---	---	---
E4-1	11.9	---	---	---
E4-2	31.4	28.4	21.0	24.1
E4-3	13.3	---	---	---
E4-4	10.7	12.4	13.0	---
E5-1	33.4	---	---	---
E5-2	22.2	30.4	21.9	9.4
E5-3	19.0	---	---	---
E5-4	116	95.0	74.7	37.8
E6-1	12.3	---	---	---
E6-2	9.6	7.7	---	---
E6-3	18.6	---	---	---
E6-4	23.1	28.9	36.2	34.7
E7-1	20.2	---	---	---
E7-2	9.0	37.5	30.3	29.2
E7-3	4.3	---	---	---
E7-4	26.0	61.6	61.3	24.4
E9-1	8.4	---	---	---
E9-2	3.7	3.9	---	---
E9-3	5.9	---	---	---
E9-4	8.1	6.9	5.0	---
E10-1	9.6	---	---	---
E10-2	6.6	5.1	---	---
E10-3	18.7	---	---	---
E10-4	19.2	15.5	5.8	---
E11-1	23.2	---	---	---
E11-2	6.5	7.6	---	---
E11-3	24.1	---	---	---
E11-4	20.2	22.3	37.3	31.8

**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  - PROPERTY E8 WAS NOT SAMPLED DUE TO ACCESS ISSUES



FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION - VOLUME II

**E - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE 3.12

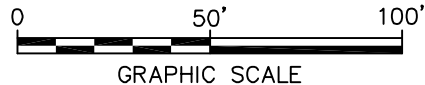
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 XREFS: IMAGES: CATALOG: B0037665\000\XREF 3735XBL 3766X02



Group F Borings					
Arsenic Results (mg/kg)					
Boring ID	Sample Interval (inches)	0-3	3-6	6-9	9-12
F1-1	3.6	---	---	---	---
F1-2	58.5	42.9	8.8	4.4	---
F1-3	57.2	---	---	---	---
F1-4	42.7	46.6	29.0	15.6	---
F2-1	27.2	---	---	---	---
F2-2	28.3	47.0	56.8	24.0	---
F2-3	30.2	---	---	---	---
F2-4	8.9	9.7	8.8	---	---
NWSS17	36.8	---	---	---	---
F3-1	48.0	---	---	---	---
F3-2	30.2	33.1	55.2	22.9	---
F3-3	43.3	---	---	---	---
F3-4	8.3	11.3	---	---	---
F4-1	15.7	---	---	---	---
F4-2	10.8	24.2	25.6	25.2	---
F4-3	10.9	---	---	---	---
F4-4	8.0	7.4	14.5	---	---
F5-1	18.9	---	---	---	---
F5-2	7.3	6.8	9.8	---	---
F5-3	11.7	---	---	---	---
F5-4	7.5	7.1	8.5	---	---
F6-1	13.3	---	---	---	---
F6-2	7.0	6.8	---	---	---
F6-3	4.7	---	---	---	---
F6-4	5.8	5.5	4.2	---	---
F8-1	44.4	---	---	---	---
F8-2	38.8	39.8	29.7	20.3	---
F8-3	33.7	---	---	---	---
F8-4	16.1	19.9	19.8	---	---
F9-1	10.4	---	---	---	---
F9-2	29.2	33.3	34.5	18.7	---
F9-3	5.4	---	---	---	---
F9-4	5.5	5.4	---	---	---
F10-1	6.9	---	---	---	---
F10-2	13.2	9.2	---	---	---
F10-3	4.8	---	---	---	---
F10-4	4.7	5.2	4.8	---	---

- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - ▲ 2005 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - F1 PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. PROPERTIES F7, F9, F11, AND F12 WERE NOT SAMPLED DUE TO ACCESS ISSUES.

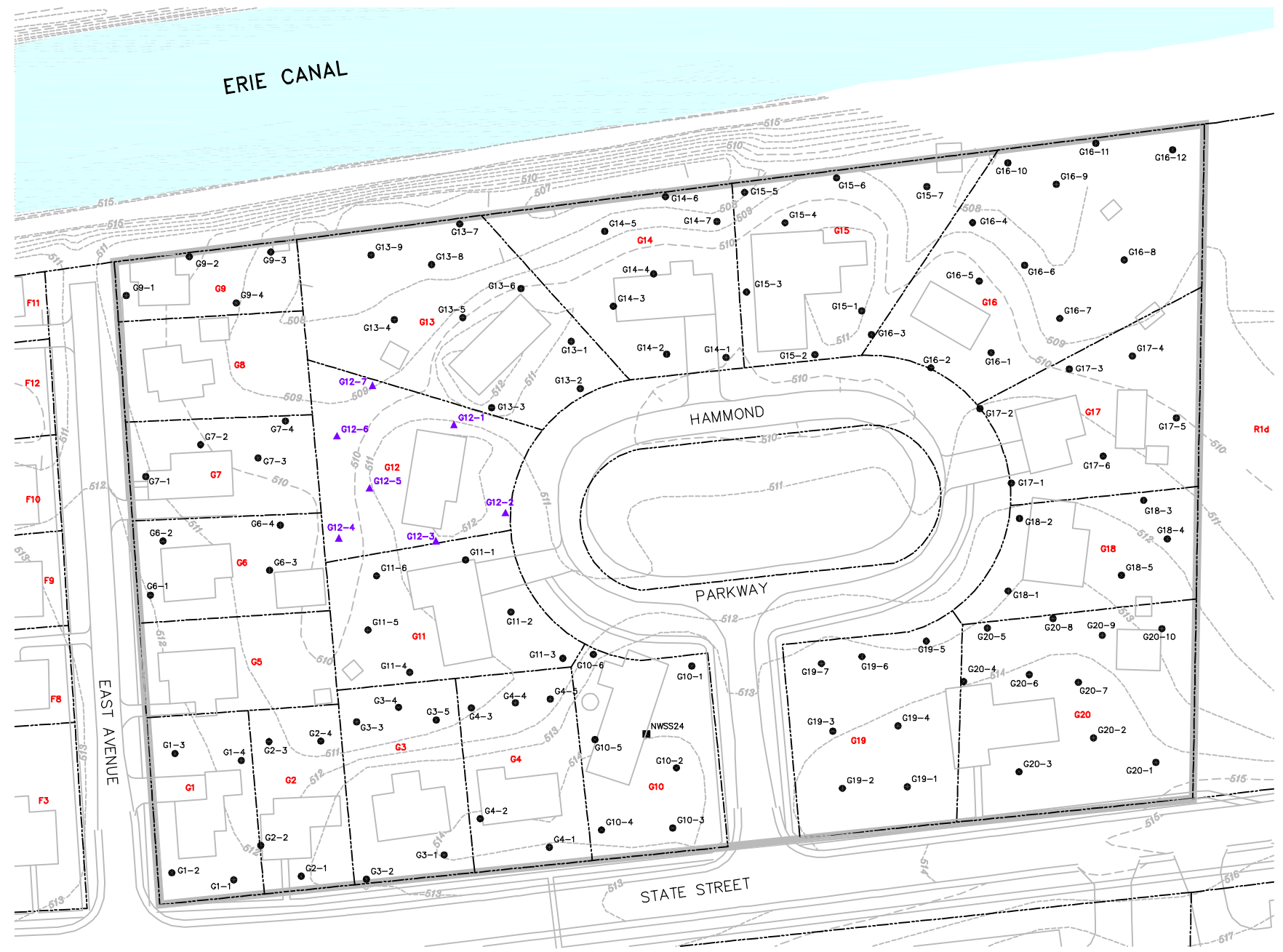


FMC CORPORATION - MIDDLEPORT, NEW YORK  
**RCRA FACILITY INVESTIGATION - VOLUME II**

**F - BLOCK PROPERTIES SAMPLING LOCATIONS**

FIGURE  
**3.13**

CITY: SYRACUSE GROUP; ENVCAD DB: P. LISTER; LD: P. LISTER; PM: D. WRIGHT; LYNON: OFF=REF; (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\0000000001\DWG\VOLUME-II\37735818.DWG LAYOUT: 3.14 - SAVED: 3/20/2009 11:30 AM ACADVER: 17.05 (LMS TECH) PAGES: 17  
 PLOTTED: 3/20/2009 11:30 AM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B0037650000XREF

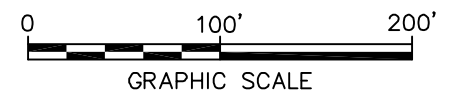


**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 2005 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER

**NOTES:**

1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
5. PROPERTIES G5, G8, AND G12 WERE NOT SAMPLED DUE TO ACCESS ISSUES.



Group G Borings																													
Arsenic Results (mg/kg)																													
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)								
	0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12					
G1-1	17.7	--	--	--	G7-1	54.0	--	--	--	G12-1	19.5	--	--	--	G15-1	5.5	--	--	--	G17-1	7.2	--	--	--	G20-1	10.1	--	--	--
G1-2	29.9	24.8	34.6	59.9	G7-2	26.3	32.2	23.4	20.1	G12-2	21.8	18.7	22.5	29.7	G15-2	7.7	13.5	--	--	G17-2	12.5	11.0	--	--	G20-2	8.7	8.5	--	--
G1-3	13.3	--	--	--	G7-3	17.5	--	--	--	G12-3	8.3	--	--	--	G15-3	5.7	--	--	--	G17-3	26.9	--	--	--	G20-3	11.8	--	--	--
G1-4	12.0	12.9	15.1	--	G7-4	18.4	19.0	--	--	G12-4	22.8	20.6	27.8	25.0	G15-4	6.1	6.5	--	--	G17-4	32.0	36.2	34.4	19.1	G20-4	15.7	15.5	13.3	--
G2-1	40.6	--	--	--	G9-1	29.7	--	--	--	G12-5	27.4	--	--	--	G15-5	13.6	--	--	--	G17-5	18.3	--	--	--	G20-5	14.7	--	--	--
G2-2	51.8	61.6	29.3	8.2	G9-2	24.0	28.6	21.7	8.3	G12-6	40.0	48.3	80.4	18.4	G15-6	22.4	35.7	51.4	25.0	G17-6	9.3	11.3	6.0	--	G20-6	9.8	8.5	--	--
G2-3	34.1	--	--	--	G9-3	39.6	--	--	--	G12-7	34.4	--	--	--	G15-7	18.3	--	--	--	G18-1	6.4	--	--	--	G20-7	15.3	--	--	--
G2-4	19.7	20.7	22.0	20.3	G9-4	12.5	13.7	--	--	G13-1	13.4	--	--	--	G16-1	4.8	--	--	--	G18-2	6.7	7.0	--	--	G20-8	12.2	11.4	--	--
G3-1	9.5	--	--	--	G10-1	5.8	--	--	--	G13-2	18.4	22.1	31.0	34.4	G16-2	5.2	4.8	--	--	G18-3	18.5	--	--	--	G20-9	21.0	--	--	--
G3-2	12.0	12.7	--	--	G10-2	13.4	16.1	--	--	G13-3	12.4	--	--	--	G16-3	4.9	--	--	--	G18-4	30.9	34.7	30.2	11.0	G20-10	10.8	11.9	11.9	--
G3-3	43.4	--	--	--	G10-3	12.5	--	--	--	G13-4	7.9	7.5	--	--	G16-4	29.2	36.8	33.6	8.5	G18-5	7.1	--	--	--					
G3-4	48.1	53.4	39.4	8.0	G10-4	9.8	10.7	--	--	G13-5	21.5	--	--	--	G16-5	11.4	--	--	--	G19-1	4.5	--	--	--					
G3-5	29.7	--	--	--	G10-5	7.2	--	--	--	G13-6	20.6	20.0	--	--	G16-6	13.2	12.0	--	--	G19-2	5.4	4.4	--	--					
G4-1	7.4	--	--	--	G10-6	6.9	6.7	6.3	--	G13-7	10.1	--	--	--	G16-7	38.2	--	--	--	G19-3	4.9	--	--	--					
G4-2	3.7	3.0	--	--	NWSS24	4.9 (0-2)	--	--	--	G13-8	10.9	11.5	--	--	G16-8	34.7	37.3	22.2	8.3	G19-4	9.9	8.7	6.7	--					
G4-3	14.9	--	--	--	G11-1	21.1	--	--	--	G13-9	27.3	--	--	--	G16-9	39.1	--	--	--	G19-5	8.1	--	--	--					
G4-4	15.4	17.4	45.0	--	G11-2	8.3	9.4	--	--	G14-1	10.5	--	--	--	G16-10	20.0	15.7	35.0	--	G19-6	8.4	7.3	5.3	--					
G4-5	15.6	--	--	--	G11-3	14.2	--	--	--	G14-2	12.1	17.6	--	--	G16-11	32.2	--	--	--	G19-7	5.7	--	--	--					
G6-1	33.6	--	--	--	G11-4	14.0	10.2	--	--	G14-3	16.7	--	--	--	G16-12	30.5	32.3	34.6	13.2										
G6-2	33.6	34.6	40.0	17.6	G11-5	24.0	--	--	--	G14-4	20.4	18.7	--	--															
G6-3	298	--	--	--	G11-6	16.3	16.9	21.9	--	G14-5	39.6	--	--	--															
G6-4	37.1	38.3	42.9	17.8						G14-6	46.6	54.5	30.4	5.5															
										G14-7	17.4	--	--	--															

FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**G - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**





CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER PM: D. WRIGHT LYNON+OFF=REF. (RZ)  
 G:\ENVCAD\S\RAC\USE\ACT\B0037250\00000000\DWG\VOLUME-II\37758519.DWG LAYOUT: 3.15 SAVED: 3/20/2009 1:02 PM ACADVER: 17.05 (LMS TECH) PAGESETUP: ... PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/20/2009 1:02 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B00376650000XREF



- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - 517 EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - H1** PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. THE NORTHERN PORTION OF PROPERTY H5 WAS NOT SAMPLED DUE TO EXTENSIVE PAVEMENT.

Group H Borings				
Arsenic Results (mg/kg)				
Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
H1-1	21.4	---	---	---
H1-2	15.7	16.9	---	---
H1-3	11.1	---	---	---
H1-4	12.7	15.5	15.3	---
H2-1	17.8	---	---	---
H2-2	13.7	9.5	11.3	---
H2-3	11.0	---	---	---
H2-4	12.4	13.3	---	---
H3-1	19.7	---	---	---
H3-2	18.3	23.1	25.2	13.5
H3-3	18.4	---	---	---
H3-4	26.3	19.3	15.1	---
H4-1	20.0	---	---	---
H4-2	26.3	23.9	18.5	9.5
H4-3	19.8	---	---	---
H4-4	7.8	13.9	16.6	---
H5-1	5.7	---	---	---
H5-2	9.4	16.9	---	---
H5-3	15.7	---	---	---
H5-4	9.2	9.1	7.6	---
H5-5	8.6	---	---	---
NWSS11	34.1	---	---	---



FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION - VOLUME II

**H - BLOCK PROPERTIES SAMPLING LOCATIONS**

FIGURE 3.15

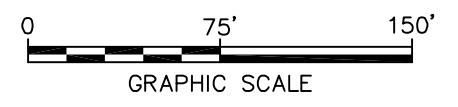
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 G:\ENVCAD\SYRACUSE\ACT\B0037735\00000000\0001\DWG\5\VOLUME-III\37735520.DWG LAYOUT: 3.16 SAVED: 3/20/2009 1:04 PM ACADVER: 17.05 (LMS TECH) PAGESETUP: ... PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/20/2009 1:05 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B0037650000XREF



Group I Borings									
Arsenic Results (mg/kg)									
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12
I1-1	14.0	--	--	--	I11-1	19.8	--	--	--
I1-2	17.0	12.9	28.7	--	I11-2	18.9	21.7	21.8	16.3
I1-3	9.7	--	--	--	I11-3	14.6	--	--	--
I1-4	5.8	4.9	--	--	I11-4	22.2	27.4	21.0	15.6
I2-1	11.9	--	--	--	I12-1	22.6	--	--	--
I2-2	9.7	11.3	--	--	I12-2	30.6	38.0	24.0	12.8
I2-3	17.3	--	--	--	I12-3	15.1	--	--	--
I2-4	15.5	21.8	14.2	9.6	I12-4	10.4	10.5	--	--
I2-5	15.7	--	--	--	I13-1	23.2	--	--	--
I3-1	12.7	--	--	--	I13-2	17.4	26.9	12.5	8.1
I3-2	10.9	12.4	--	--	I13-3	15.9	--	--	--
I3-3	15.4	--	--	--	I13-4	13.0	15.8	8.7	--
I3-4	18.8	21.7	20.8	14.6	I14-1	26.5	--	--	--
I5-1	24.4	--	--	--	I14-2	19.6	20.7	--	--
I5-2	30.4	35.5	27.8	10.9	I14-3	12.2	--	--	--
I5-3	15.3	--	--	--	I14-4	8.7	9.4	8.6	--
I5-4	15.8	21.2	20.9	31.2	NWSS4	15.0	--	--	--
I5-5	24.5	--	--	--	I16-1	27.4	--	--	--
I6-1	25.4	--	--	--	I16-2	20.1	21.9	15.9	12.2
I6-2	15.2	17.3	13.8	--	I16-3	12.0	--	--	--
I6-3	20.1	--	--	--	I16-4	23.2	23.6	22.7	11.7
I6-4	7.3	7.6	--	--	I17-1	16.1	--	--	--
I7-1	22.7	--	--	--	I17-2	31.3	26.6	22.5	15.0
I7-2	18.3	43.6	7.3	4.9	I17-3	28.4	--	--	--
I7-3	17.4	--	--	--	I17-4	22.3	32.5	31.5	19.2
I7-4	26.7	20.0	24.1	--	I18-1	19.2	--	--	--
I8-1	7.4	--	--	--	I18-2	25.6	28.3	20.5	7.7
I8-2	6.7	7.3	7.8	--	I18-3	15.4	--	--	--
I8-3	5.2	--	--	--	I18-4	18.3	20.0	--	--
I8-4	5.4	9.4	--	--	I20-1	59.4	--	--	--
DOH-SS2	35.0	--	--	--	I20-2	19.4	20.8	16.9	7.8
NWSS7	13.2	--	--	--	I20-3	30.8	--	--	--
I9-1	33.1	--	--	--	I20-4	35.3	40.0	36.3	10.7
I9-2	15.7	15.3	--	--	I21-1	15.8	--	--	--
I9-3	6.8	--	--	--	I21-2	11.4	10.6	--	--
I9-4	22.9	26.6	27.1	19.9	I21-3	7.6	--	--	--
					I21-4	11.0	12.7	17.5	--

- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - CULVERT 105
  - MANHOLE
  - CATCHBASIN
  - 2004 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. PROPERTIES I4, I10, I15, AND I19 WERE NOT SAMPLED DUE TO ACCESS ISSUES.
  6. PROPERTIES I22 AND I23 WERE NOT SAMPLED DUE TO EXTENSIVE PAVEMENT.

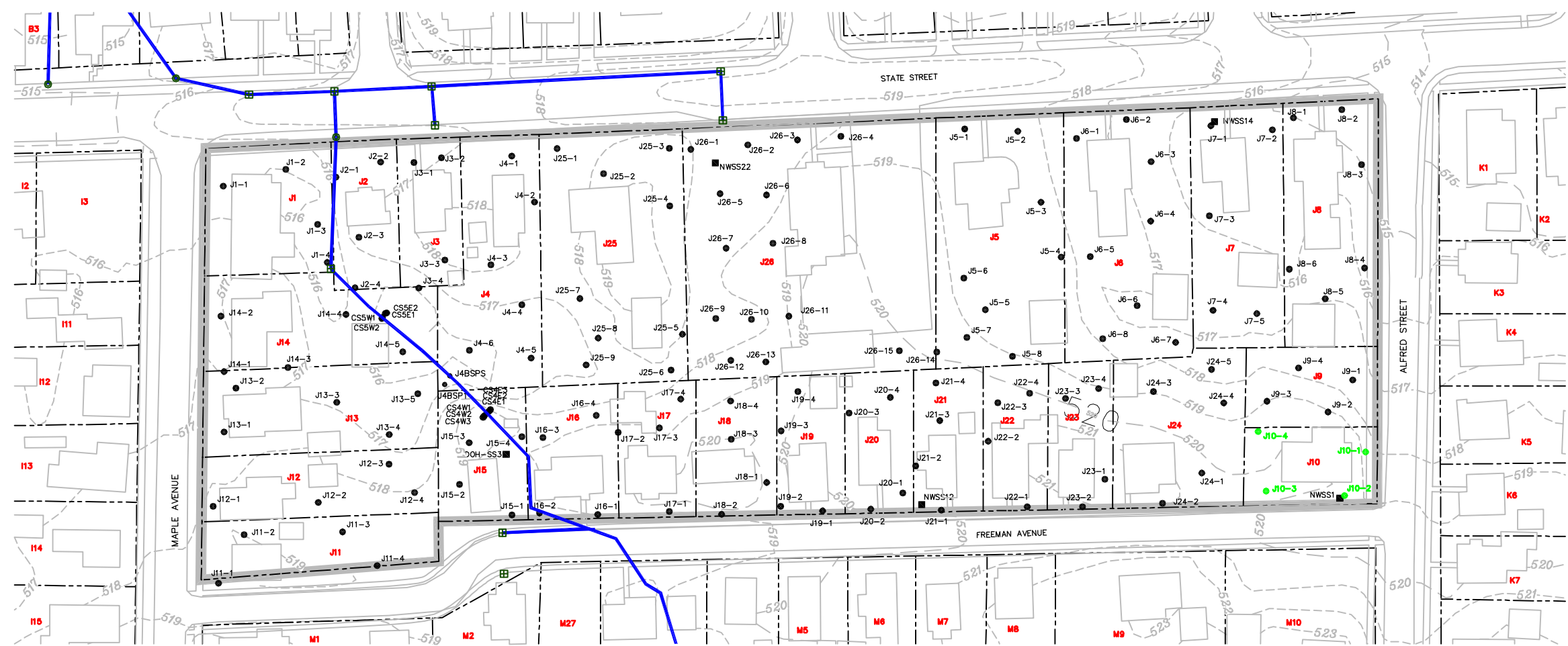


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 VOLUME II

**I - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE  
**3.16**

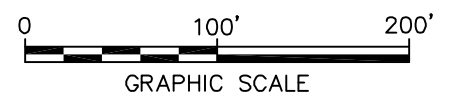
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 XREFS: IMAGES: CATALOG: B0037735\00000000\XREF 37665X02 37735X01 37665X06



**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- CULVERT 105
- MANHOLE
- CATCHBASIN
- 2004 SAMPLING LOCATION
- 2007 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. \* = SEDIMENT COLLECTED FROM WITHIN SECTION OF BROKEN PIPE THAT WAS REMOVED AND REPLACED WITH NEW PIPE IN OCTOBER 2004.
  6. \*\* = SEDIMENT COLLECTED FROM CATCH BASIN; THIS SEDIMENT WAS LATER REMOVED DURING 2007 EARLY ACTION ACTIVITIES.



Group J Borings															
Arsenic Results (mg/kg)															
Boring ID	Sample Interval (inches)					Boring ID	Sample Interval (inches)								
	0-3	3-6	6-9	9-12	12-18		0-3	3-6	6-9	9-12	12-18				
J1-1	20.7	---	---	---	---	J7-1	44.0	---	---	---	J15-1	15.8	---	---	---
J1-2	15.4	15.1	---	---	---	J7-2	31.8	29.1	18.7	8.5	J15-2	12.0	7.5	10.1	---
J1-3	9.9	---	---	---	---	J7-3	12.3	---	---	---	J15-3	21.8	---	---	---
J1-4	12.2	17.4	16.3	---	---	J7-4	15.1	18.9	34.8	---	J15-4	3.5	3.1	---	---
J2-1	18.0	---	---	---	---	J7-5	34.1	---	---	---	DOH-SS3	5.8	---	---	---
J2-2	8.1	9.5	7.4	---	---	NWSS14	40.0	---	---	---	J16-1	26.1	---	---	---
J2-3	6.7	---	---	---	---	J8-1	33.9	---	---	---	J16-2	20.9	18.2	21.9	24.1
J2-4	12.6	14.0	---	---	---	J8-2	31.2	32.1	25.2	12.5	J16-3	18.9	---	---	---
J3-1	10.7	---	---	---	---	J8-3	39.1	---	---	---	J16-4	5.7	5.2	9.3	---
J3-2	14.9	19.4	17.3	---	---	J8-4	23.7	45.8	68.9	56.6	J17-1	24.9	---	---	---
J3-3	9.5	---	---	---	---	J8-5	89.8	---	---	---	J17-2	22.1	27.7	31.5	24.4
J3-4	5.6	5.6	---	---	---	J8-6	48.6	41.7	31.9	16.2	J17-3	11.3	---	---	---
J4-1	13.2	---	---	---	---	J9-1	37.7	---	---	---	J17-4	28.0	34.7	26.8	11.0
J4-2	26.5	11.6	8.6	---	---	J9-2	28.8	28.1	18.6	5.9	J18-1	27.9	---	---	---
J4-3	16.8	---	---	---	---	J9-3	29.6	---	---	---	J18-2	23.4	25.6	20.5	14.6
J4-4	18.8	18.3	---	---	---	J9-4	38.4	51.8	43.0	26.3	J18-3	23.8	---	---	---
J4-5	16.7	---	---	---	---	J10-1	16.2	---	---	---	J18-4	38.0	32.7	20.5	7.1
J4-6	17.7	18.9	---	---	---	J10-2	33.6	38.6	29.9	16.2	J19-1	25.5	---	---	---
J5-1	23.8	---	---	---	---	J10-3	37.7	---	---	---	J19-2	22.8	29.6	20.8	7.6
J5-2	29.3	33.0	22.4	5.7	---	J10-4	33.7	35.6	24.3	20.2	J19-3	26.8	---	---	---
J5-3	9.6	---	---	---	---	NWSS1	38.4	---	---	---	J19-4	27.8	38.7	25.3	9.0
J5-4	11.7	14.3	---	---	---	J11-1	21.5	---	---	---	J20-1	25.6	---	---	---
J5-5	17.3	---	---	---	---	J11-2	5.2	5.3	---	---	J20-2	22.3	24.1	17.1	11.3
J5-6	12.6	15.0	17.2	---	---	J11-3	21.2	---	---	---	J20-3	31.6	---	---	---
J5-7	30.8	---	---	---	---	J11-4	22.5	24.6	23.7	16.6	J20-4	31.0	33.2	22.3	20.1
J5-8	23.9	23.2	17.3	10.9	---	J12-1	28.8	---	---	---	J21-1	27.2	---	---	---
J6-1	26.1	---	---	---	---	J12-2	25.0	32.0	16.1	12.7	J21-2	33.4	18.7	6.8	8.1
J6-2	22.4	17.4	---	---	---	J12-3	25.9	---	---	---	J21-3	27.8	---	---	---
J6-3	31.0	---	---	---	---	J12-4	26.3	27.8	16.2	7.0	J21-4	28.6	33.4	25.5	13.5
J6-4	31.6	36.5	23.8	10.5	---	J13-1	32.9	---	---	---	NWSS12	42.9	---	---	---
J6-5	17.0	---	---	---	---	J13-2	15.7	18.3	12.0	---	J22-1	26.4	---	---	---
J6-6	32.2	35.0	34.0	21.5	---	J13-3	10.8	---	---	---	J22-2	16.8	20.4	28.9	22.9
J6-7	68.3	---	---	---	---	J13-4	14.1	12.8	---	---	J22-3	8.7	---	---	---
J6-8	26.8	28.6	33.8	33.9	---	J13-5	5.7	---	---	---	J22-4	7.9	8.3	8.7	12.6
						J14-1	12.0	---	---	---	NWSS22	23.7	---	---	---
						J14-2	22.6	18.3	14.5	---					
						J14-3	17.7	---	---	---					
						J14-4	14.6	19.3	---	---					
						J14-5	24.4	---	---	---					

Culvert 105 Cross-section Borings											
Arsenic Results (mg/kg)											
Boring ID	Sample Interval (inches)										
	0-3	12-18	24-30	36-42	48-54	60-66	72-78				
CS4E1	46.2	4.1	8.7	23.9	27.5	12.0	14.3				
CS4E2	45.7	---	---	21.4 (36-41)	26.5	3.7	2.2				
CS4E3	---	---	---	---	18.5	---	---				
CS4W1	47.0	11.6	19.1	19.7 (36-41)	24.8	16.0	5.0				
CS4W2	36.7	---	5.2	---	28.2	24.9	2.5				
CS4W3	---	---	---	---	24.1	3.4	---				
CSSE1	24.2	12.8	142	45.9 (36-39)	11.4	3.9	1.5				
CSSE2	20.2	---	17.5	15.8 (36-41)	4.2	2.1	1.1				
CS5W1	17.9	17.7	59.0	4.1 (36-40)	2.5	1.1	1.2				
CS5W2	---	---	5.6	---	2.2	2.4	1.3				
J4BSP1	---	---	---	35.6 (36-39)	2.3	---	---				
J4BSP5	26.0*	---	---	---	---	---	---				
CB-S5	77.5**	---	---	---	---	---	---				

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 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**J - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE  
**3.17**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNON: OFF=REF. (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003735\00000000\DWG\VOLUME-II\37355824.DWG LAYOUT: 3.18 SAVED: 3/20/2009 1:15 PM ACADVER: 17.05 (LMS TECH) PAGES: 17 OF 17 PLOTTED: 3/20/2009 1:15 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B00376650000XREF 3735XBL 37665X02



Group K Borings				
Boring ID	Arsenic Results (mg/kg)			
	0-3	3-6	6-9	9-12
K1-1	50.7	---	---	---
K1-2	35.0	38.2	43.6	23.0
K1-3	37.0	---	---	---
K1-4	22.2	29.3	15.6	8.2
NWSS16	34.3	---	---	---
NWSS25	26.2	---	---	---
K2-1	13.9	---	---	---
K2-2	45.4	40.7	20.6	9.8
K2-3	27.3	---	---	---
K2-4	37.2	43.9	31.3	15.5
K3-1	38.2	---	---	---
K3-2	10.7	23.7	31.5	10.4
K3-3	4.2	---	---	---
K3-4	4.1	4.8	2.9	---
NWSS15	22.3	---	---	---
K4-1	38.4	---	---	---
K4-2	13.9	24.5	40.3	32.2
K4-3	8.7	---	---	---
K4-4	66.0	59.6	183	143
NWSS13	46.4	---	---	---
K5-1	29.6	---	---	---
K5-2	21.0	17.9	31.9	---
K5-3	36.3	---	---	---
K5-4	15.0	19.6	---	---
K6-1	45.7	---	---	---
K6-2	39.5	38.0	24.8	14.9
K6-3	227	---	---	---
K6-4	41.6	50.3	39.9	10.4
K7-1	29.0	---	---	---
K7-2	43.4	53.1	46.4	33.5
K7-3	95.0	---	---	---
K7-4	46.5	60.1	35.3	7.1
K8-1	51.2	---	---	---
K8-2	41.8	56.5	36.6	18.7
K8-3	47.1	---	---	---
K8-4	19.2	18.7	18.5	---

**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER

**NOTES:**

- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
- ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
- LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
- PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.

**GRAPHIC SCALE**

0 75' 150'

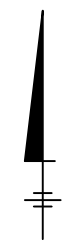
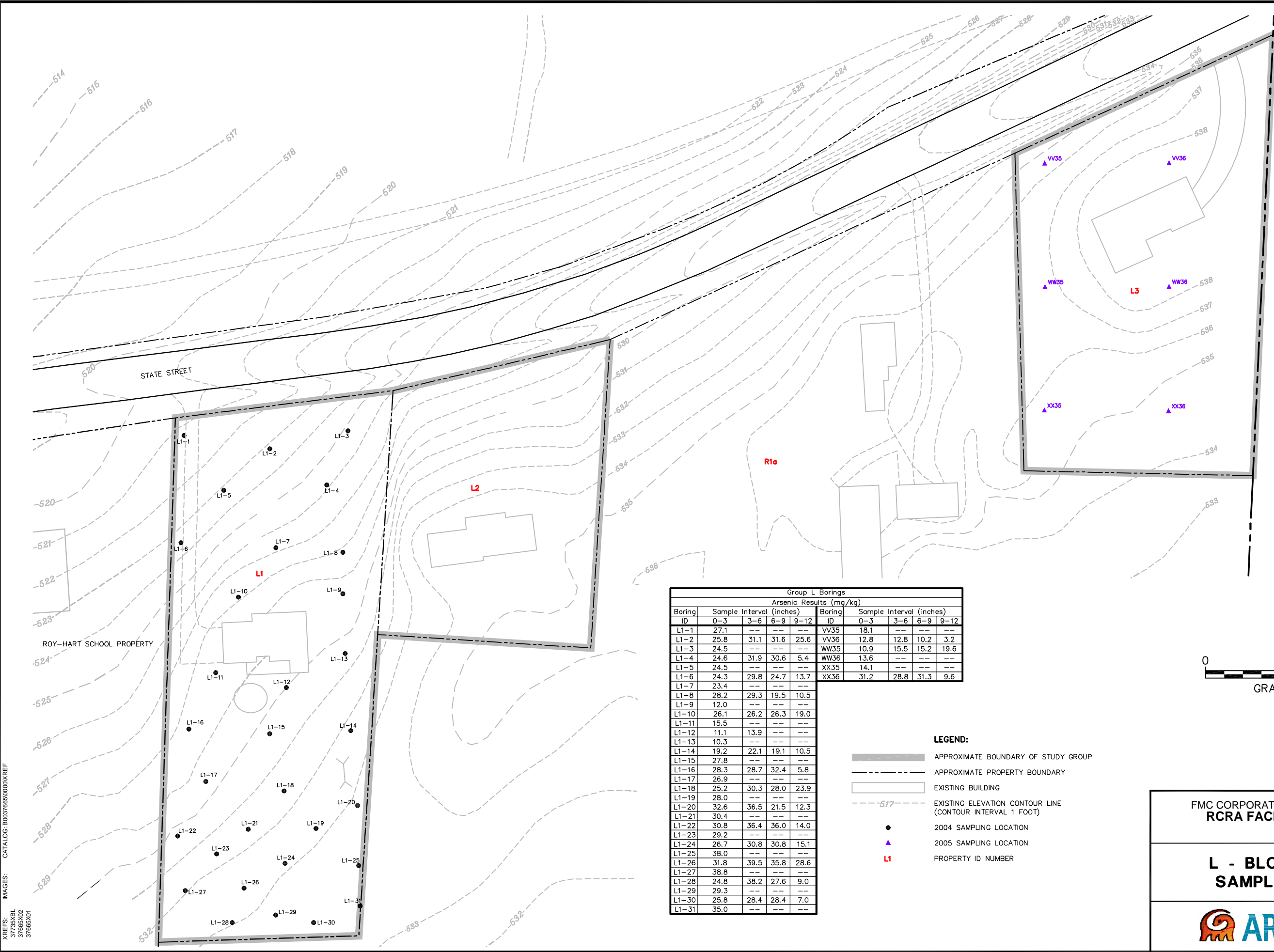
FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**K - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

**ARCADIS**

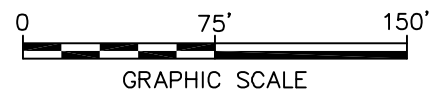
FIGURE  
**3.18**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PM: D. WRIGHT LYNON: OFF-REF: (RZ)  
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 XREFS: IMAGES: CATALOG: B003765\000000XREF



- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY", DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
  5. PROPERTY L2 WAS NOT SAMPLED DUE TO ACCESS ISSUES.

Group L Borings									
Arsenic Results (mg/kg)									
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12
L1-1	27.1	--	--	--	VV35	18.1	--	--	--
L1-2	25.8	31.1	31.6	25.6	VV36	12.8	12.8	10.2	3.2
L1-3	24.5	--	--	--	WW35	10.9	15.5	15.2	19.6
L1-4	24.6	31.9	30.6	5.4	WW36	13.6	--	--	--
L1-5	24.5	--	--	--	XX35	14.1	--	--	--
L1-6	24.3	29.8	24.7	13.7	XX36	31.2	28.8	31.3	9.6
L1-7	23.4	--	--	--					
L1-8	28.2	29.3	19.5	10.5					
L1-9	12.0	--	--	--					
L1-10	26.1	26.2	26.3	19.0					
L1-11	15.5	--	--	--					
L1-12	11.1	13.9	--	--					
L1-13	10.3	--	--	--					
L1-14	19.2	22.1	19.1	10.5					
L1-15	27.8	--	--	--					
L1-16	28.3	28.7	32.4	5.8					
L1-17	26.9	--	--	--					
L1-18	25.2	30.3	28.0	23.9					
L1-19	28.0	--	--	--					
L1-20	32.6	36.5	21.5	12.3					
L1-21	30.4	--	--	--					
L1-22	30.8	36.4	36.0	14.0					
L1-23	29.2	--	--	--					
L1-24	26.7	30.8	30.8	15.1					
L1-25	38.0	--	--	--					
L1-26	31.8	39.5	35.8	28.6					
L1-27	38.8	--	--	--					
L1-28	24.8	38.2	27.6	9.0					
L1-29	29.3	--	--	--					
L1-30	25.8	28.4	28.4	7.0					
L1-31	35.0	--	--	--					



- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - 2005 SAMPLING LOCATION
  - PROPERTY ID NUMBER

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**L - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE 3.19

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYS: ON: OFF: REF: (FRZ)  
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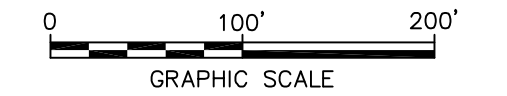


**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- CULVERT 105
- CATCHBASIN
- 2004 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER

**NOTES:**

- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
- ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
- LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
- PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.
- PROPERTY M4 WAS NOT SAMPLED DUE TO ACCESS ISSUES.



Group M Borings														
Arsenic Results (mg/kg)														
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12		0-3	3-6	6-9	9-12
M1-1	16.9	---	---	---	M11-1	37.3	---	---	---	M20-1	44.1	---	---	
M1-2	10.1	11.2	---	---	M11-2	37.1	41.5	37.0	23.2	M20-2	56.2	58.8	39.0	
M1-3	20.7	---	---	---	M11-3	42.9	---	---	---	M20-3	42.7	---	---	
M1-4	17.0	19.5	40.8	---	M11-4	20.5	34.4	33.1	68.7	M20-4	26.7	31.9	22.0	
M2-1	22.4	---	---	---	DOH-SS9	54.0	---	---	---	M20-5	29.6	---	---	
M2-2	18.9	21.0	10.2	5.1	M12-1	7.7	---	---	---	M21-1	58.4	---	---	
M2-3	19.9	---	---	---	M12-2	34.7	35.6	20.5	10.1	M21-2	34.9	37.2	16.5	
M2-4	9.8	11.1	14.9	23.0	M12-3	26.6	---	---	---	M21-3	39.8	---	---	
NWSS3	12.3	---	---	---	M12-4	24.3	25.6	38.2	41.3	M21-4	31.7	34.3	30.0	
M3-1	11.3	---	---	---	M13-1	38.5	---	---	---	M21-5	30.4	---	---	
M3-2	12.2	11.4	11.4	---	M13-2	25.3	26.3	44.6	38.4	M22-1	122	---	---	
M3-3	23.9	---	---	---	M13-3	6.3	---	---	---	M22-2	30.1	48.8	39.9	
M3-4	12.1	13.6	---	---	M13-4	15.1	19.6	18.8	23.2	M22-3	33.0	---	---	
M5-1	19.7	---	---	---	M14-1	26.1	---	---	---	M22-4	56.8	57.1	63.4	
M5-2	23.3	26.7	21.0	10.3	M14-2	27.3	29.9	18.9	11.6	M22-5	45.4	---	---	
M5-3	41.7	---	---	---	M14-3	19.1	---	---	---	DOH-SS8	39.0	---	---	
M5-4	22.0	23.7	14.5	12.4	M14-4	17.8	21.6	16.2	15.5	M23-1	64.5	---	---	
DOH-SS4	28.0	---	---	---	M15-1	37.0	---	---	---	M23-2	71.3	57.4	44.6	
M6-1	34.6	---	---	---	M15-2	28.6	27.6	25.5	13.7	M23-3	27.7	---	---	
M6-2	32.9	36.6	22.0	14.1	M15-3	19.0	---	---	---	M23-4	43.1	35.8	32.8	
M6-3	67.7	---	---	---	M15-4	24.6	30.8	27.9	7.9	M24-1	9.0	---	---	
M6-4	19.6	22.9	25.3	26.5	M16-1	26.1	---	---	---	M24-2	65.3	60.4	21.4	
M7-1	33.3	---	---	---	M16-2	37.0	46.4	63.7	40.6	M24-3	7.8	---	---	
M7-2	45.5	55.6	52.2	24.3	M16-3	30.5	---	---	---	M24-4	69.4	58.8	24.6	
M7-3	25.4	---	---	---	M16-4	30.5	39.2	23.8	7.7	M25-1	63.3	---	---	
M7-4	17.6	18.2	10.7	4.5	M16-5	19.7	---	---	---	M25-2	56.5	37.3	23.6	
M8-1	33.9	---	---	---	M17-1	38.1	---	---	---	M25-3	48.3	---	---	
M8-2	44.8	38.9	26.4	16.6	M17-2	36.2	54.1	317	319	M25-4	38.1	39.7	44.2	
M8-3	37.6	---	---	---	M17-3	41.9	---	---	---	M26-1	89.6	---	---	
M8-4	47.7	48.2	29.0	13.6	M17-4	15.6	15.8	13.0	7.4	M26-2	72.9	71.5	68.2	
M9-1	8.0	---	---	---	M17-5	20.6	---	---	---	M26-3	69.9	---	---	
M9-2	40.2	46.1	27.9	14.7	M18-1	29.3	---	---	---	M26-4	38.0	38.8	37.0	
M9-3	41.6	---	---	---	M18-2	20.7	20.6	21.9	27.3	DOH-SS10	72.0	---	---	
M9-4	28.5	32.2	33.5	22.6	M18-3	8.6	---	---	---	M27-1	18.8	---	---	
M9-5	37.1	---	---	---	M18-4	11.5	11.4	10.9	14.3	M27-2	21.5	18.5	7.8	
M9-6	49.8	34.4	14.9	6.0	M19-1	35.0	---	---	---	M27-3	29.6	---	---	
NWSS2	47.8	---	---	---	M19-2	26.3	33.1	39.5	26.4	M27-4	16.8	18.8	11.3	
M10-1	48.9	---	---	---	M19-3	23.5	---	---	---					
M10-2	59.1	63.9	37.4	25.3	M19-4	36.6	33.4	38.5	19.4					
M10-3	21.9	---	---	---	M19-5	18.2	---	---	---					
M10-4	35.5	35.1	22.3	9.7										
M10-5	32.8	---	---	---										
NWSS23	17.2 (0-2)	---	---	---										

Culvert 105 Cross-section Borings							
Arsenic Results (mg/kg)							
Boring ID	Sample Interval (inches)						
	0-3	12-18	24-30	48-54	60-66	72-78	
CS2E1	35.0	11.0	6.1	3.5	1.0	1.3	
CS2E2	36.9	---	---	1.6	1.2	1.1	
CS2W1	39.5	11.1	5.3	14.4	4.3	1.5	
CS2W2	37.7	---	---	4.5	1.5	1.7	
CS3E1	8.0	4.8	17.6	5.2	2.1	4.1	
CS3E2	---	---	---	3.2	4.9	3.9	
CS3W1	7.3	11.4	---	11.3	3.1	2.7	
CS3W2	---	---	7.8	4.2	2.7	3.0	

FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**M - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE  
**3.20**

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYN: ONA OFF: REF. (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003735\00000000\DWG\VOLUME-II\3735825.DWG LAYOUT: 3.21 SAVED: 3/20/2009 1:46 PM ACADVER: 17.05 (LMS TECH) PAGES: 17 OF 17 PLOTTED: 3/20/2009 1:47 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B003765\000000\REF 3765X02 3735X01



Group N Borings								
Arsenic Results (mg/kg)								
Boring ID	Sample Interval (inches)				Boring ID	Sample Interval (inches)		
	0-3	3-6	6-9	9-12		0-3	3-6	6-9
N1-1	18.9	---	---	---	N8-1	24.9	---	---
N1-2	8.3	7.4	---	---	N8-2	15.3	17.4	---
N1-3	10.1	---	---	---	N8-3	8.7	---	---
N1-4	15.6	21.9	15.3	8.7	N8-4	12.6	14.4	24.0
N2-1	16.8	---	---	---	N9-1	20.0	---	---
N2-2	19.4	21.4	13.8	11.0	N9-2	23.9	19.2	16.3
N2-3	25.0	---	---	---	N9-3	28.6	---	---
N2-4	21.4	23.2	11.0	9.1	N9-4	16.4	16.3	15.1
N3-1	16.7	---	---	---	N10-1	29.6	---	---
N3-2	15.1	18.3	18.6	---	N10-2	21.8	24.7	14.1
N3-3	20.8	---	---	---	N10-3	20.9	---	---
N3-4	13.7	14.5	---	---	N10-4	15.0	17.0	15.9
N3-5	13.3	---	---	---	N11-1	25.6	---	---
NWSS10	23.4	---	---	---	N11-2	9.0	9.6	7.6
N4-1	15.6	---	---	---	N11-3	8.3	---	---
N4-2	19.4	26.4	23.7	11.7	N11-4	5.1	4.5	---
N4-3	21.9	---	---	---	NWSS9	14.8	---	---
N4-4	14.7	15.0	10.9	---	N12-1	8.3	---	---
N4-5	14.4	---	---	---	N12-2	13.2	6.9	---
N4-6	14.1	17.9	---	---	N12-3	15.4	---	---
N5-1	15.5	---	---	---	N12-4	18.7	16.5	9.3
N5-2	28.2	27.7	16.6	8.9	N13-1	64.1	---	---
N5-3	16.7	---	---	---	N13-2	29.6	23.6	12.2
N5-4	28.1	25.7	9.7	6.6	N13-3	23.2	---	---
N5-5	20.8	---	---	---	N13-4	29.9	35.0	44.5
N5-6	30.6	59.2	37.0	25.8	N13-5	27.2	---	---
N6-1	7.7	---	---	---	N13-6	25.1	27.5	10.2
N6-2	15.3	18.3	---	---	N14-1	18.0	---	---
N6-3	14.3	---	---	---	N14-2	16.3	16.4	---
N6-4	13.7	14.4	9.6	---	N14-3	29.6	---	---
N6-5	11.3	---	---	---	N14-4	33.4	36.4	37.1
N7-1	21.3	---	---	---	N14-5	18.4	---	---
N7-2	12.5	14.1	9.0	---	N14-6	39.7	43.1	30.9
N7-3	17.2	---	---	---	WSS19	37.9	---	---
N7-4	18.6	10.9	---	---				
N7-5	15.4	---	---	---				
N7-6	6.8	14.2	---	---				
N7-7	17.5	---	---	---				
N7-8	25.5	20.5	11.7	7.3				

**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER
- RAILROAD
- ADJOINING PROPERTY - SAME OWNER

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.



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**N - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE 3.21

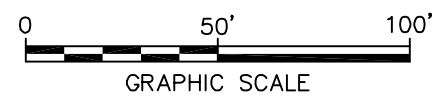
CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYN: ON+ OFF= REF. (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B0037735\0000000001\DWG\VOLUME-II\37735826.DWG LAYOUT: 3.22 SAVED: 3/20/2009 1:45 PM ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOTSETUP: ... PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/20/2009 1:46 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B0037665\0000\XREF 37665X02 37735X01



Group O Borings				
Boring ID	Arsenic Results (mg/kg)			
	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
01-1	27.1	---	---	---
01-2	11.8	10.6	8.4	---
01-3	27.7	---	---	---
01-4	11.5	11.8	---	---
02-1	20.4	---	---	---
02-2	17.4	18.4	20.7	---
02-3	15.6	---	---	---
02-4	24.2	34.8	26.5	16.3
03-1	35.4	---	---	---
03-2	43.8	50.1	58.5	41.1
03-3	27.9	---	---	---
03-4	26.7	29.2	28.7	16.8
04-1	28.7	---	---	---
04-2	23.5	24.6	13.7	5.5
04-3	21.7	---	---	---
04-4	28.5	33.7	32.0	34.5
NWSS5	38.0	---	---	---
05-1	38.5	---	---	---
05-2	24.9	30.0	18.9	9.1
05-3	24.3	---	---	---
05-4	21.8	28.6	41.4	24.4
NWSS6	63.0	---	---	---
06-1	19.8	---	---	---
06-2	12.4	13.2	---	---
06-3	42.0	---	---	---
06-4	37.5	40.2	36.7	18.9
07-1	18.9	---	---	---
07-2	14.6	21.1	19.6	14.0
07-3	23.7	---	---	---
07-4	16.5	21.8	---	---
07-5	18.1	---	---	---
07-6	11.6	13.6	19.0	---
07-7	16.8	---	---	---
07-8	24.6	28.1	13.0	8.0
07-9	11.3	---	---	---
07-10	51.9	95.5	135	40.7
07-11	56.9	---	---	---
07-12	19.2	19.2	---	---
07-13	18.7	---	---	---
07-14	34.2	42.1	54.9	24.6
07-15	9.7	---	---	---
07-16	30.1	30.2	40.0	51.5
07-17	63.9	---	---	---
07-18	138	156	219	171
07-19	47.1	---	---	---
07-20	94.6	96.7	385	744
07-21	27.2	---	---	---
07-22	12.6	13.4	---	---
07-23	20.2	---	---	---
NWSS8	36.1	---	---	---
TP3	---	---	2.5 (6-12)	---

- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - APPROXIMATE PROPERTY BOUNDARY
  - EXISTING BUILDING
  - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - PROPERTY ID NUMBER
  - ADJOINING PROPERTY - SAME OWNER

- NOTES:**
1. BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  2. ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  3. LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  4. PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDS.



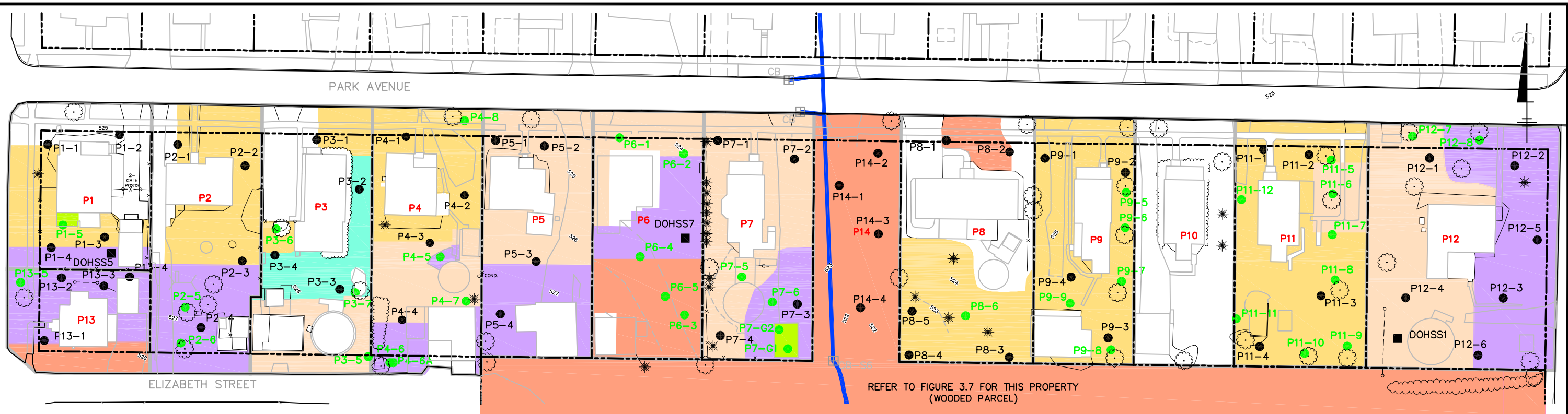
FMC CORPORATION - MIDDLEPORT, NEW YORK  
 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**O - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

FIGURE  
**3.22**



CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER PM: D. WRIGHT LYRON: OFF=REF (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003735\000000001\DWG\VOLUME-III\3735540.DWG LAYOUT: 3.23  
 XREFS: 37665X06 37665X02 3735XBL 37665X01  
 IMAGES: CATALOG: B00376650000XREF  
 PAGES: 37665X06 37665X02 3735XBL 37665X01  
 PAGESETUP: ... PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/24/2009 8:52 AM BY: LISTER, PAUL  
 ACADVER: 17.05 (LMS TECH)



REFER TO FIGURE 3.7 FOR THIS PROPERTY (WOODED PARCEL)

Property P1				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P1-1	18.4	---	---	---
P1-2	20.5	24.5	19.9	16.4
P1-3	49.0*	---	---	---
P1-4	30.4*	37.4*	36.5*	22.3
P1-5	33.6*	20.9	10.1	14.2
DOH-SS5	29.0*	---	---	---

Property P3				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P3-1	7.9	---	---	---
P3-2	25.6*	28.0*	11.4	8.0
P3-3	25.9*	---	19.3	17.7
P3-4	20.3*	23.2*	21.7	13.3
P3-5	---	94.9*	69.0*	43.5*
P3-6	23.7	23.5	31.7	19.1
P3-7	5.4	5.1	9.3	16.2

Property P4				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P4-1	28.6*	---	---	---
P4-2	28.0*	32.0*	33.5*	22.5
P4-3	44.8*	---	14.6	13.5
P4-4	43.2*	44.2*	41.8*	18.3*
P4-5	106*	59.3*	65.1*	36.3*
P4-6	65.4*	69.5*	93.1*	124*
P4-6A	---	---	59.2*	2.4
P4-7	37.5*	57.0*	62.6*	53.9*
P4-8	28.4*	27.2*	18.0*	---

Property P8				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P8-1	25.6*	30.0*	46.1*	63.8*
P8-2	13.4*	12.7*	6.8*	15.2*
P8-3	59.9*	---	---	---
P8-4	154*	176*	43.4*	10.0
P8-5	56.2*	---	---	---
P8-6	11.6*	22.3*	29.4*	17.1

Property P9				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P9-1	53.5*	---	---	---
P9-2	51.5*	42.5*	26.8*	18.5
P9-3	53.5*	---	---	---
P9-4	66.1*	73.0*	31.0*	6.9
P9-5	55.7*	47.1*	36.4*	19.2
P9-6	51.9*	35.1*	13.8*	---
P9-7	40.7*	33.0*	18.1*	---
P9-8	45.4*	46.5*	28.5*	6.8
P9-9	73.4*	91.7*	20.4*	---

Property P11				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P11-1	39.3*	---	---	---
P11-2	63.6*	56.0*	24.2*	6.2
P11-3	93.8*	---	---	---
P11-4	63.9*	72.4*	68.6*	22.6
P11-5	73.6*	73.3*	29.6*	23.4
P11-6	64.7*	74.7*	29.3*	37.7*
P11-7	47.5*	38.0*	46.4*	10.3
P11-8	121*	163*	60.4*	12.4
P11-9	47.2*	68.3*	66.4*	5.8
P11-10	59.5*	87.3*	84.3*	19.3
P11-11	7.3*	39.6*	38.8*	13.8
P11-12	23.1*	29.6*	24.9*	7.4

Property P2				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P2-1	21.9	---	---	---
P2-2	27.6*	28.3*	30.8*	16.7
P2-3	25.9*	---	28.9*	11.6
P2-4	43.7*	43.0*	51.7*	56.7*
P2-5	34.0*	34.8*	42.4*	51.4*
P2-6	19.1*	21.6*	56.3*	62.7*

Property P6				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P6-1	45.7*	---	---	---
P6-2	25.5*	26.8*	18.4*	19.7*
P6-3	31.7*	---	---	---
P6-4	44.3*	39.7*	38.2*	21.7*
P6-5	19.7*	21.0*	22.3*	43.7*
DOH-SS7	46.0*	---	---	---

Property P5				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P5-1	50.5*	---	---	---
P5-2	47.5*	49.8*	51.8*	44.6*
P5-3	20.9*	---	18.9*	25.9*
P5-4	35.8*	51.1*	64.1*	51.7*

Property P14				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P14-1	101*	---	---	---
P14-2	33.8*	31.4*	38.7*	18.9*
P14-3	46.3*	---	---	---
P14-4	113*	71.9*	32.0*	3.3*

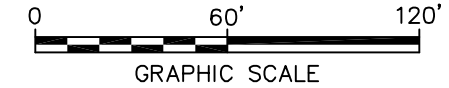
Property P7												
Boring	Sample Interval (inches)											
	0-3	3-6	6-9	9-12	12-18	18-24	24-30	30-36	36-42	48-54	60-66	72-78
P7-1	59.9*	---	---	---	---	---	---	---	---	---	---	---
P7-2	44.5*	58.2*	68.7*	32.0*	15.8	8.2	4.7	3.7	5.1	5.4	1.7	1.7
P7-3	31.7*	---	---	---	58.8*	9.9	2.1	2.4	3.9	2.3	1.4	1.8
P7-4	29.0*	32.4*	37.7*	27.4*	18.7	5.6	3.5	4.3	---	---	---	---
P7-5	45.2*	43.8*	37.7*	17.3*	8.3	5.6	---	---	---	---	---	---
P7-6	81.3*	86.0*	60.7*	41.4*	26.3*	5.4	2.7	3.7	---	---	---	---
P7-G1	82.0*	14.4	5.8	4.8	5.2	4.2	3.6	2.8	---	---	---	---
P7-G2	23.6*	2.3	2.3	2.9	3.2	4.1	4.6	4.6	---	---	---	---

Property P12				
Boring	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
P12-1	42.3*	---	---	---
P12-2	28.4*	28.2*	24.5*	25.0*
P12-3	53.3*	---	---	---
P12-4	10.9*	4.6*	57.0*	34.6*
P12-5	33.7*	---	---	---
P12-6	40.7*	24.5*	11.4*	4.8*
P12-7	58.0*	54.5*	76.8*	98.7*
P12-8	26.2*	24.4*	22.3*	32.0*
DOH-SS1	49.0*	---	---	---

**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- AREAS EXCAVATED:
  - 3-INCH REMOVAL DEPTH
  - 6-INCH REMOVAL DEPTH
  - 9-INCH REMOVAL DEPTH
  - 12-INCH REMOVAL DEPTH
  - 18-INCH REMOVAL DEPTH
  - 24-INCH REMOVAL DEPTH
  - 48-INCH REMOVAL DEPTH
- CULVERT 105
- CATCHBASIN
- MANHOLE
- 2004 SAMPLING LOCATION
- 2007 EARLY ACTION SAMPLING LOCATION

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY MCINTOSH & MCINTOSH, P.C. TITLED "TOPOGRAPHIC MAP OF PART OF LOT-6, SEC.-4, TWP.-14, R.-5, HOLLAND PURCHASE" DATED MAY 10, 2007 AT A SCALE OF 1" = 30'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDs.
  - REFER TO 2009 EARLY ACTION CONSTRUCTION REPORT (ARCADIS 2009) FOR DETAILED INFORMATION ON EXTENT OF SOIL REMOVED.
  - DATA POINTS WITH ASTERISKS (\*) CORRESPOND TO SOIL THAT WAS REMOVED BY 2007 EARLY ACTION AND REPLACED WITH CLEAN FILL.



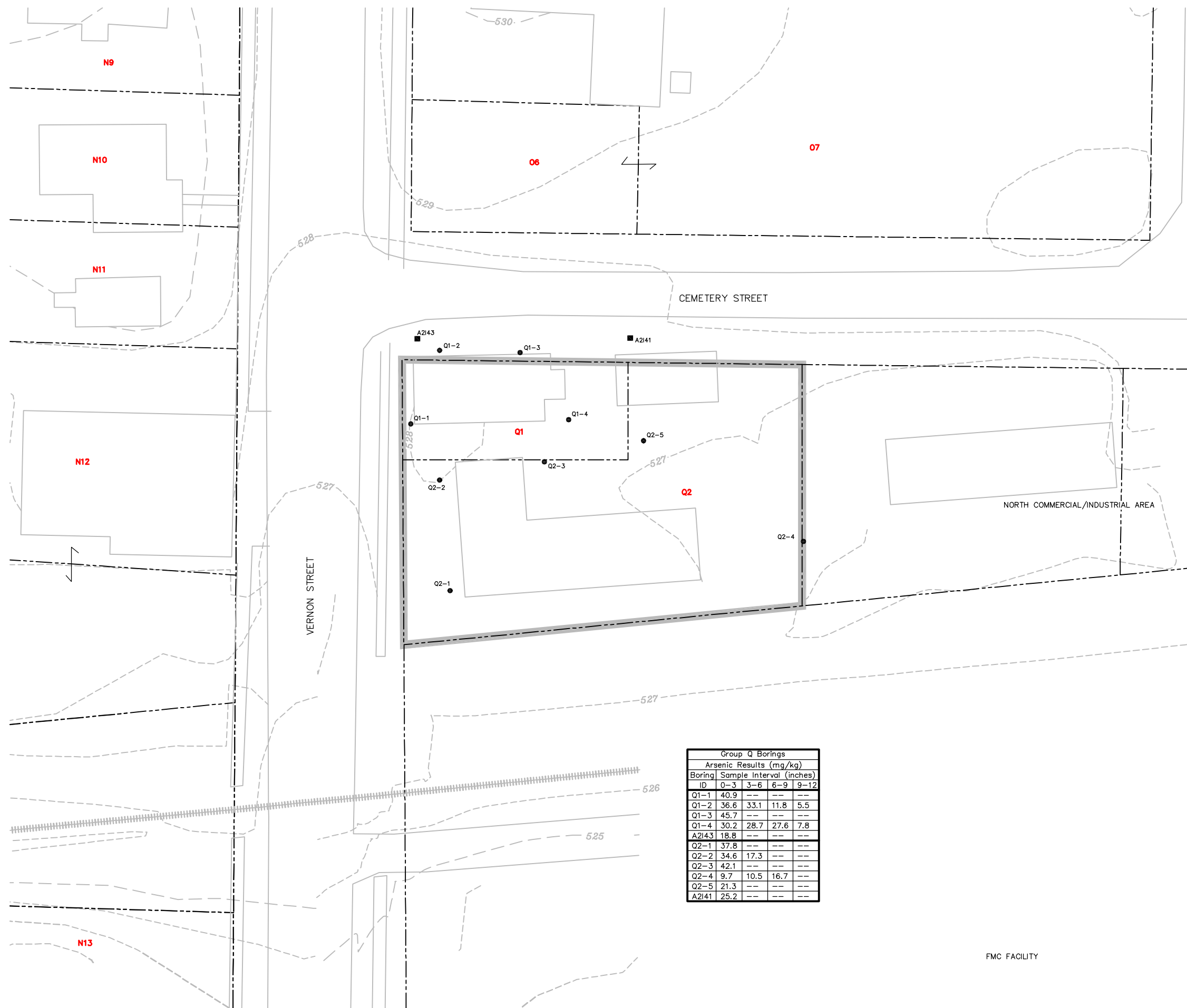
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 RCRA FACILITY INVESTIGATION -  
 VOLUME II

**P-BLOCK PROPERTIES  
 SAMPLING LOCATIONS**



FIGURE  
**3.23**

CITY: SYRACUSE GROUP: ENV-141 DB: PGL LD: PGL PM: D. WRIGHT LYRON=OFF=REF (FRZ)  
 G:\ENV\CAD\S\RAC\USE\ACT\B003735\000000001\DWG\VOLUME-III\3735828.DWG LAYOUT: 3.24  
 XREFS: 37665X02 37735X01  
 IMAGES: CATALOG: B00376650000XREF  
 PAGES: 17 OF 17  
 PLOT: 3/20/2009 1:58 PM  
 ACADVER: 17.05 (LMS TECH)  
 PAGES: 17 OF 17  
 PLOT: 3/20/2009 1:59 PM  
 BY: LISTER, PAUL

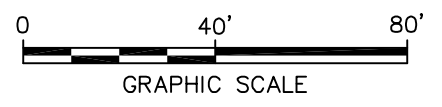


N

**LEGEND:**

- APPROXIMATE BOUNDARY OF STUDY GROUP
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
- 2004 SAMPLING LOCATION
- 1989 - 2002 SAMPLING LOCATION
- PROPERTY ID NUMBER
- RAILROAD
- ADJOINING PROPERTY - SAME OWNER

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDs.



Group Q Borings				
Arsenic Results (mg/kg)				
Boring ID	0-3	3-6	6-9	9-12
Q1-1	40.9	---	---	---
Q1-2	36.6	33.1	11.8	5.5
Q1-3	45.7	---	---	---
Q1-4	30.2	28.7	27.6	7.8
A2143	18.8	---	---	---
Q2-1	37.8	---	---	---
Q2-2	34.6	17.3	---	---
Q2-3	42.1	---	---	---
Q2-4	9.7	10.5	16.7	---
Q2-5	21.3	---	---	---
A2141	25.2	---	---	---

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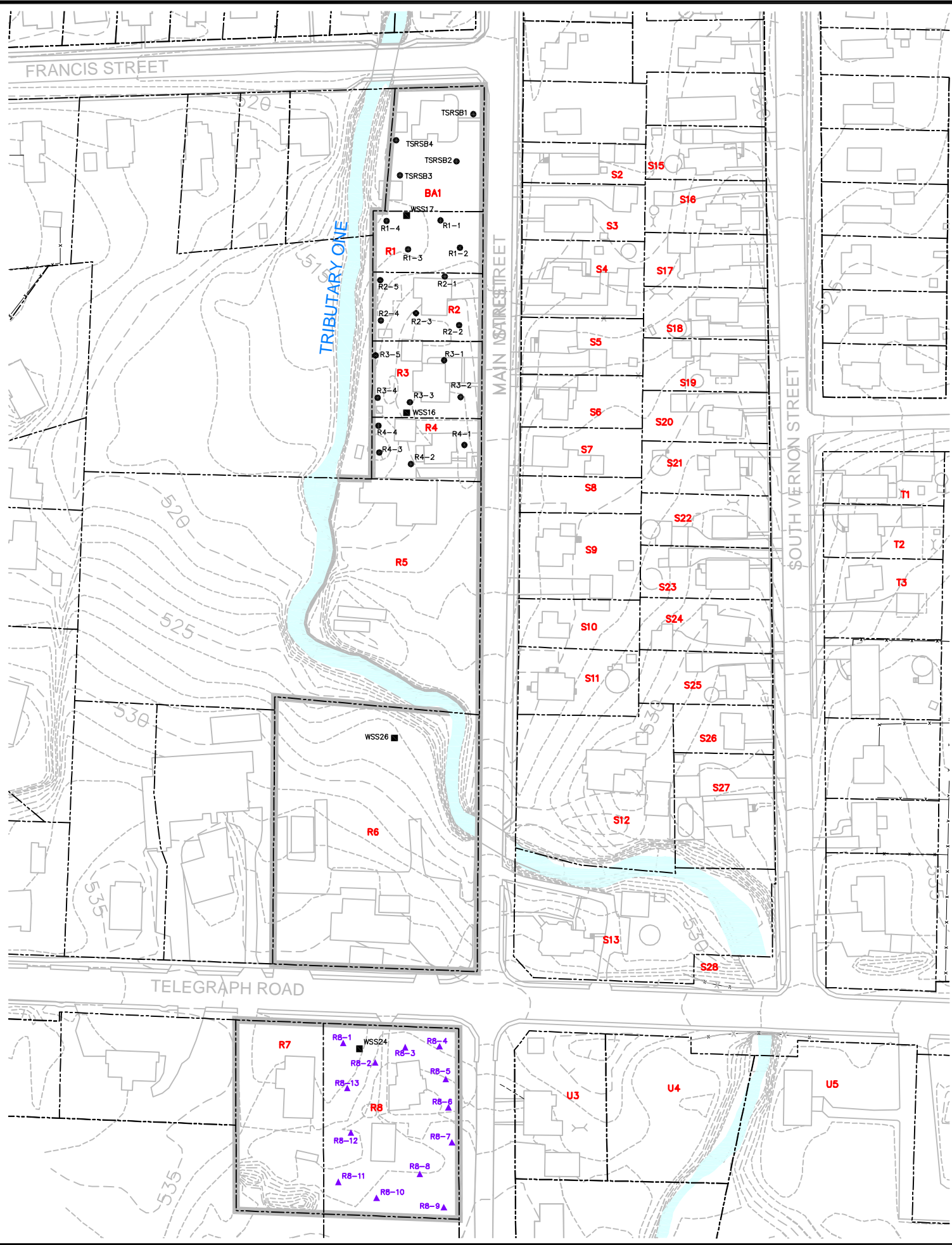
**Q - BLOCK PROPERTIES  
 SAMPLING LOCATIONS**

**ARCADIS**

FIGURE  
**3.24**

FMC FACILITY

CITY: SYRACUSE GROUP: ENVCAD DB: P. LISTER LD: P. LISTER PW: D. WRIGHT LYNON: OFF-REF. (FRZ)  
 G:\ENVCAD\SYRACUSE\ACT\B003735000000000\DWG\VOLUME-III\3735811.DWG LAYOUT: 3.25 SAVED: 3/20/2009 2:03 PM ACADVER: 17.05 (LMS TECH) PAGES: 17.05 (LMS TECH) PLOTSTYLETABLE: PLT\FULL.CTB PLOTTED: 3/20/2009 2:03 PM BY: LISTER, PAUL  
 XREFS: IMAGES: CATALOG: B003766500000XREF 37735XBL 37665X02 37665X01

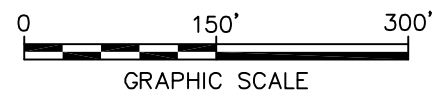


- LEGEND:**
- APPROXIMATE BOUNDARY OF STUDY GROUP
  - - - APPROXIMATE PROPERTY BOUNDARY
  - ▭ EXISTING BUILDING
  - - - 517 - - - EXISTING ELEVATION CONTOUR LINE (CONTOUR INTERVAL 1 FOOT)
  - 2004 SAMPLING LOCATION
  - ▲ 2005 SAMPLING LOCATION
  - 1989 - 2002 SAMPLING LOCATION
  - R3 PROPERTY ID NUMBER

Group R Borings				
Arsenic Results (mg/kg)				
Boring ID	Sample Interval (inches)			
	0-3	3-6	6-9	9-12
R1-1	16.7	---	---	---
R1-2	31.9	39.0	35.7	39.3
R1-3	12.5	---	---	---
R1-4	22.6	27.2	14.4	8.3
WSS17	14.1	---	---	---
R2-1	20.1	---	---	---
R2-2	21.8	22.3	23.7	11.7
R2-3	21.8	---	---	---
R2-4	14.3	15.7	---	---
R2-5	14.5	---	---	---
R3-1	12.2	---	---	---
R3-2	11.0	12.0	---	---
R3-3	27.0	---	---	---
R3-4	3.7	2.6	3.6	---
R3-5	14.3	---	---	---
WSS16	31.7	---	---	---
R4-1	38.4	---	---	---
R4-2	5.7	4.3	---	---
R4-3	4.3	---	---	---
R4-4	6.6	5.2	---	---
WSS26	19.5	---	---	---
R8-1	13.8	---	---	---
R8-2	22.7	19.5	9.1	6.5
R8-3	29.2	---	---	---
R8-4	20.8	17.2	15.0	11.6
R8-5	21.1	---	---	---
R8-6	27.3	27.9	18.0	8.5
R8-7	5.1	---	---	---
R8-8	14.4	16.0	12.6	5.3
R8-9	16.7	---	---	---
R8-10	17	17.9	6.8	5.4
R8-11	13.5	---	---	---
R8-12	28.6	32.4	40.2	17.7
R8-13	29.2	---	---	---
WSS24	18.8	---	---	---

TS-R Borings at BA1				
Arsenic Results (mg/kg)				
Boring ID	Sample Interval (inches)			
	0-3	3-6	6-12	12-18
SB1	22.9	23.3	11.3	3.9
SB2	18.9	18.9	11.0	3.6
SB3	14.1	16.4	13.4	5.1
SB4	15.7	14.7	9.6	9.0

- NOTES:**
- BASEMAP OBTAINED FROM A FIGURE BY CONESTOGA-ROVERS AND ASSOCIATES TITLED "HISTORIC ARSENIC SOIL/SEDIMENT DATA - NORTH RAILROAD PROPERTY" DATED OCTOBER 2003 AT A SCALE OF 1"=120'.
  - ALL LOCATIONS AND PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION.
  - LETTER PORTION OF PROPERTY ID NUMBER REPRESENTS THE PROPERTY'S STUDY GROUP.
  - PROPERTY ID NUMBERS SHOWN ARE NOT RELATED TO STREET ADDRESSES OR TAX PARCEL IDs.
  - PROPERTIES R6 AND R7 WERE NOT SAMPLED DUE TO RECENT FILLING. PROPERTY R5 WAS NOT SAMPLED DUE TO ACCESS ISSUES.
  - SAMPLE WSS26 EXCAVATED DURING REMEDIATION OF THAT PROPERTY BY ITS OWNER.



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**R - BLOCK PROPERTIES SAMPLING LOCATIONS**

FIGURE 3.25