N

W E

S

1:24,000

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PROJECT/CLIENT

CITY OF ROCHESTER

FORMER EMERSON STREET LANDFILL
SOIL VAPOR INTRUSION REPORT
Data Review, Site Screening, &
Prioritization Phase

DRAWING TITLE

PROJECT LOCUS MAP
USGS 7.5 MINUTE TOPE
ROCHETER WEST QUADRANGLE

ISSUED FOR: DRAFT

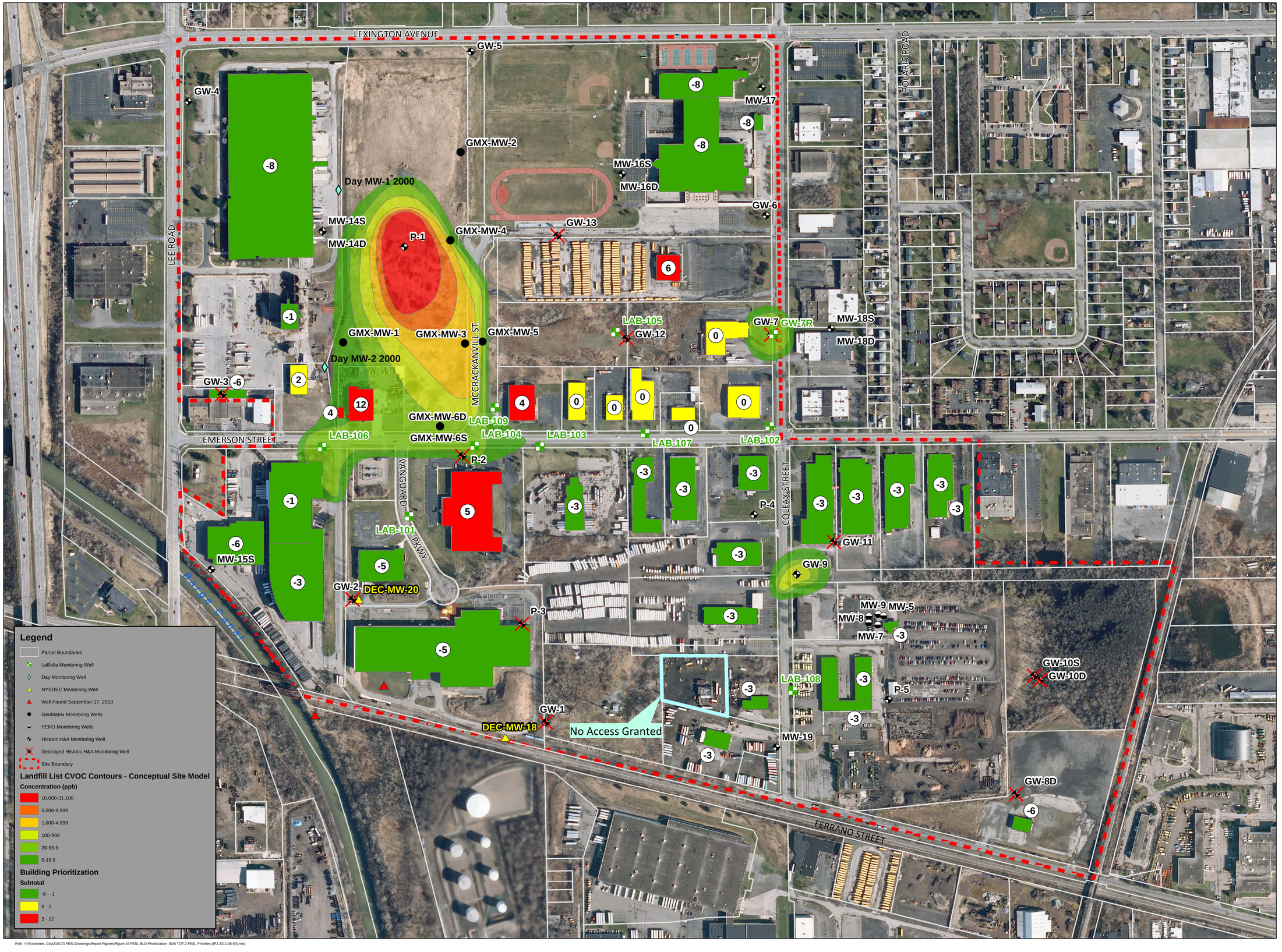
DESIGNED BY: RCN
DRAWN BY: RCN
REVIEWED BY: DPN

DATE: MARCH 2009

PROJECT/DRAWING NUMBER

210173

FIGURE 1



Legend

- Parcel Boundaries
- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- Site Boundary

Landfill List CVOC Contours - Conceptual Site Model

Concentration (ppb)

- 10,000-31,100
- 5,000-9,999
- 1,000-4,999
- 100-999
- 20-99.9
- 5-19.9

Building Prioritization

Subtotal

- -8 - -1
- 0 - 2
- 3 - 12

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CITY OF ROCHESTER

FORMER EMERSON STREET LANDFILL ROCHESTER, NEW YORK

FESL PRIORITIZATION FACTORS

N
W E
S

0 400 Feet

1 inch = 200 feet

Notes:

1) Concentration contours were initially modeled using Golden Surfer version 8 using the Natural Neighbor function. This base model was used to develop the conceptual site model displayed in this figure. In addition to the contaminant concentration, the conceptual site model accounts for additional influential site factors such as: groundwater flow, preferential pathways (i.e., sewers), geology, etc. Based on the method of derivation, these contours are inferred and may not represent the actual extent of impacts/concentrations.

2) CVOCs used in modeling are those known to be attributed to the Former Emerson Street Landfill, and include: Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Vinyl Chloride, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Chloroethane, and Chloromethane.

3) The CVOC plumes in proximity to GW-7R and GW-9 do not appear to be attributable to FESL and as such are not included in the prioritization factors. Refer to Section 4 and 5 of the report for details.

4) FESL prioritization scores are based on proximity to the P-1 plume area and site reconnaissance field meter readings that appear attributable to FESL. Section 7 of the report provides information on the methodology used and Appendix 14 "Property Summaries" provides details on the work completed at each facility.

210173

FIGURE 16

Path: Y:\Rochester, City\210173 FESL\Drawings\Report Figures\Figure 16 FESL BLD Prioritization SUB TOT 2 FESL Priorities (IPJ 2011-06-07).mxd

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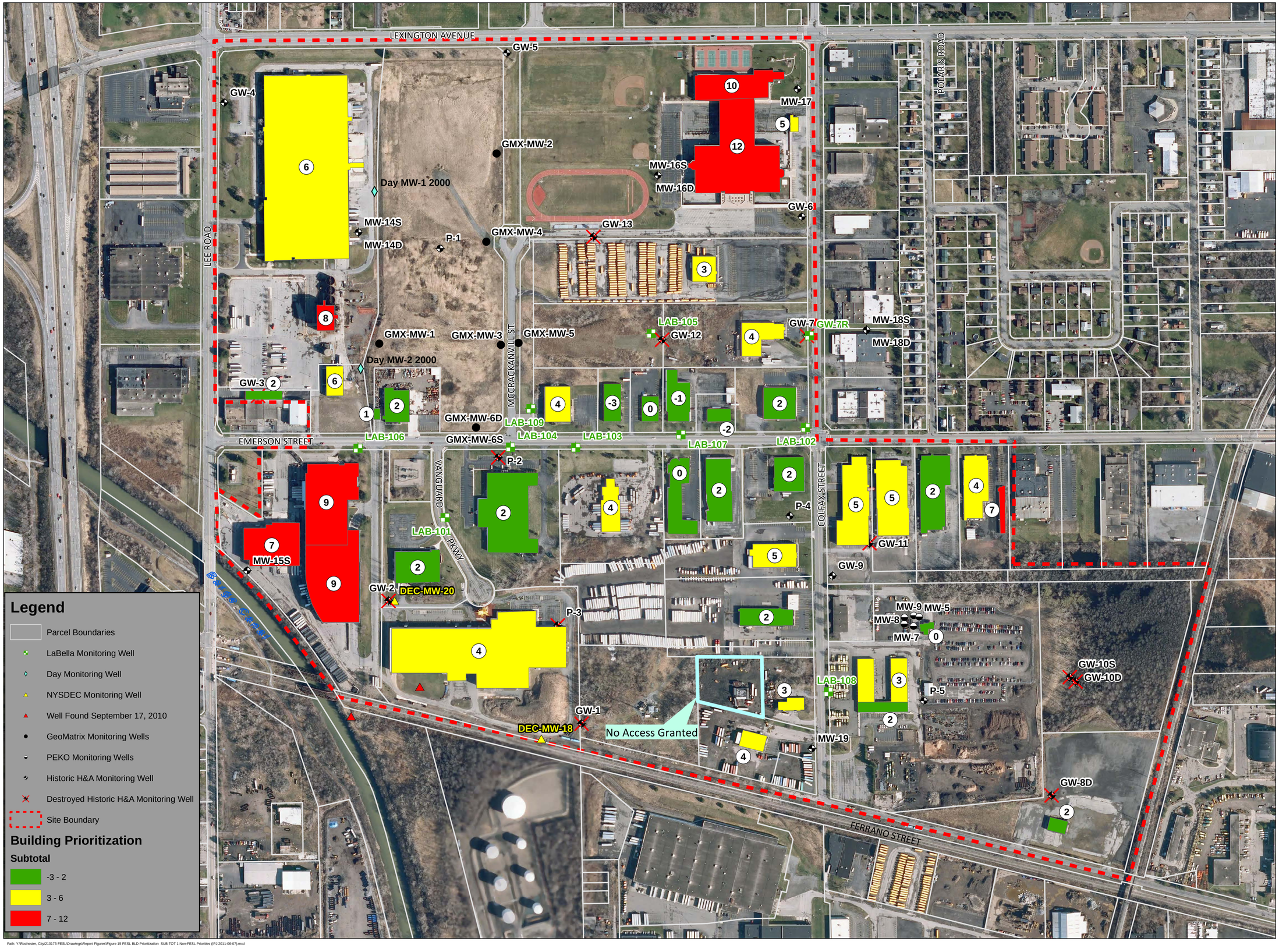
CITY OF ROCHESTER

FORMER EMERSON STREET LANDFILL ROCHESTER, NEW YORK

NON-FESL PRIORITIZATION FACTORS



Legend

- Parcel Boundaries
- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- Site Boundary

Building Prioritization

Subtotal

- -3 - 2
- 3 - 6
- 7 - 12

N
W E
S

0 400 Feet
1 inch = 200 feet

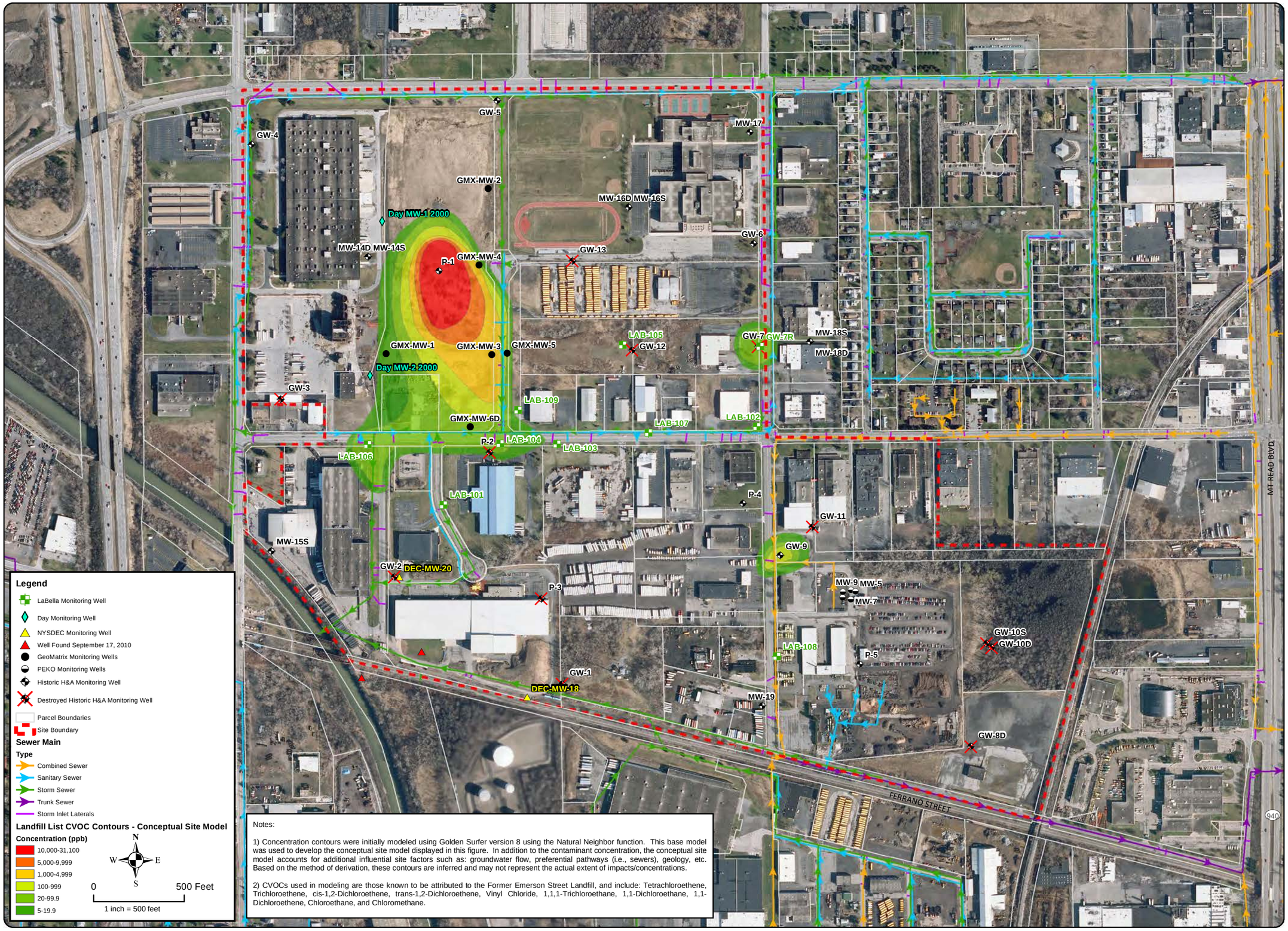
Notes:

1) Non-FESL prioritization scores are based on building characteristics (e.g., foundation type and condition, presence of basement, type and number of floor penetrations, etc.) and building use/occupancy. For details on the factors refer to Appendix 17 "Prioritization Worksheet B." For details on each building refer to Appendix 14 "Property Summaries."

210173

FIGURE 15

Path: Y:\Rochester, City\210173 FESL\Drawings\Report Figures\Figure 15 FESL BLD Prioritization SUB TOT 1 Non-FESL Priorities (IPJ 2011-06-07).mxd



Legend

- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- Parcel Boundaries
- Site Boundary

Sewer Main

Type

- Combined Sewer
- Sanitary Sewer
- Storm Sewer
- Trunk Sewer
- Storm Inlet Laterals

Landfill List CVOC Contours - Conceptual Site Model

Concentration (ppb)

- 10,000-31,100
- 5,000-9,999
- 1,000-4,999
- 100-999
- 20-99.9
- 5-19.9

N / W / E / S

0 500 Feet

1 inch = 500 feet

Notes:

1) Concentration contours were initially modeled using Golden Surfer version 8 using the Natural Neighbor function. This base model was used to develop the conceptual site model displayed in this figure. In addition to the contaminant concentration, the conceptual site model accounts for additional influential site factors such as: groundwater flow, preferential pathways (i.e., sewers), geology, etc. Based on the method of derivation, these contours are inferred and may not represent the actual extent of impacts/concentrations.

2) CVOCs used in modeling are those known to be attributed to the Former Emerson Street Landfill, and include: Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Vinyl Chloride, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Chloroethane, and Chloromethane.

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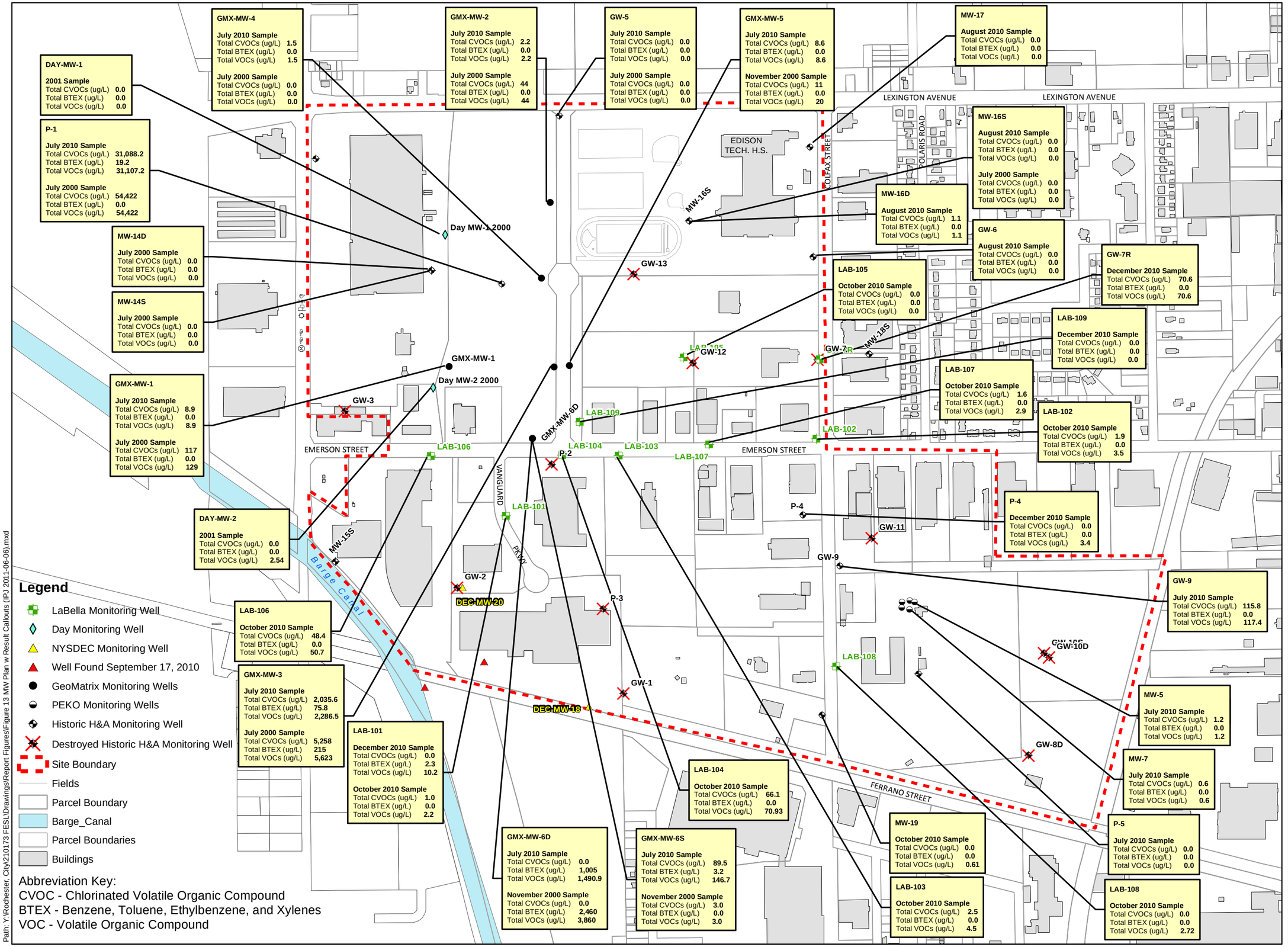
PROJECT/CLIENT
CITY OF ROCHESTER
FORMER EMERSON STREET LANDFILL
ROCHESTER, NEW YORK

DRAWING TITLE
MONITORING WELL PLAN WITH CHLORINATED VOC CONCENTRATION CONTOURS

ISSUED FOR: FINAL
DATE: January 20, 2011
DESIGNED BY: PJ
DRAWN BY: PJ
REVIEWED BY: DPN

PROJECT/DRAWING NUMBER
210173
FIGURE 14



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

2000 & 2010 GROUNDWATER SAMPLING RESULTS

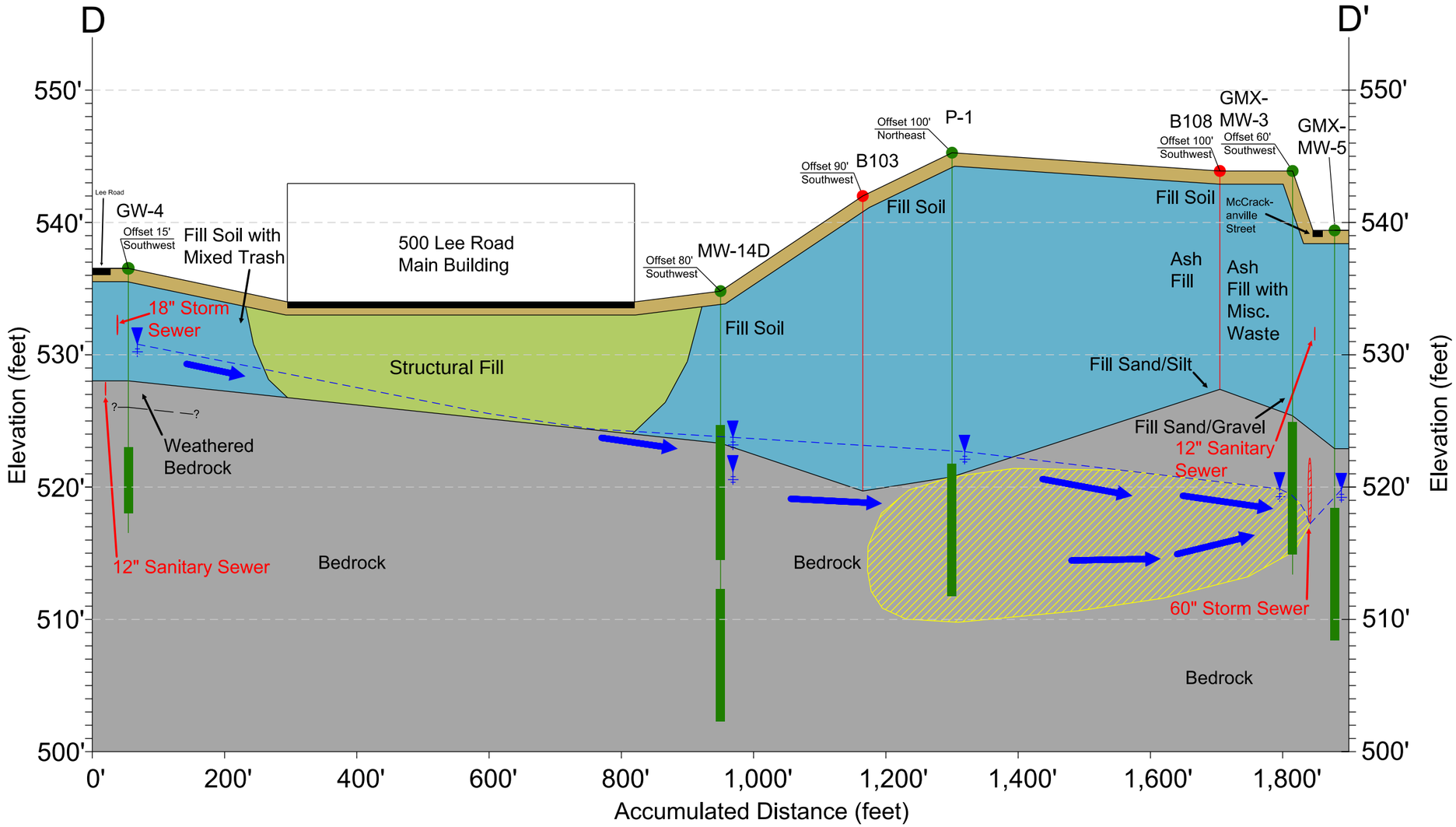
N
W E
S

0 200 400 600 800 Feet

1 inch = 500 feet

210173

FIGURE 13



LEGEND

NOTE:

1. Formations based on boring log notes.
2. Subsurface formations inferred in areas below the terminal depth of borings, beyond the first and last point, and areas between borings.
3. Water Levels measured on December 2010.
4. All elevations are in NGVD 29 vertical datum.
5. Ground surface elevations for all test borings and test pits are inferred, based upon field observation. These features were not surveyed.
6. All fill descriptors were interpreted from boring logs.
7. Sewer invert elevations were obtained from Monroe County Mile Square maps.

- Topsoil/Surface Treatment
- Fill
- Re-Worked or Native Soils (i.e. No Regulated Solid Waste)
- Bedrock
- Inferred Zone of CVOC Groundwater Impacts

- 30.0' Depth to Well
- Groundwater Elevation
- Monitoring Well
- (Screened Interval)
- Test Boring
- Groundwater Flow Path

Horizontal Scale in Feet

0 100 200 400

20:1 Vertical Exageration

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PROJECT/CLIENT
FINAL REPORT
FORMER EMERSON STREET LANDFILL
CITY OF ROCHESTER

DRAWING TITLE
CROSS SECTION D-D'

DESIGNED BY: EPD
DRAWN BY: IPJ
REVIEWED BY: DPN

ISSUED FOR
DRAFT

DATE: APRIL 2011

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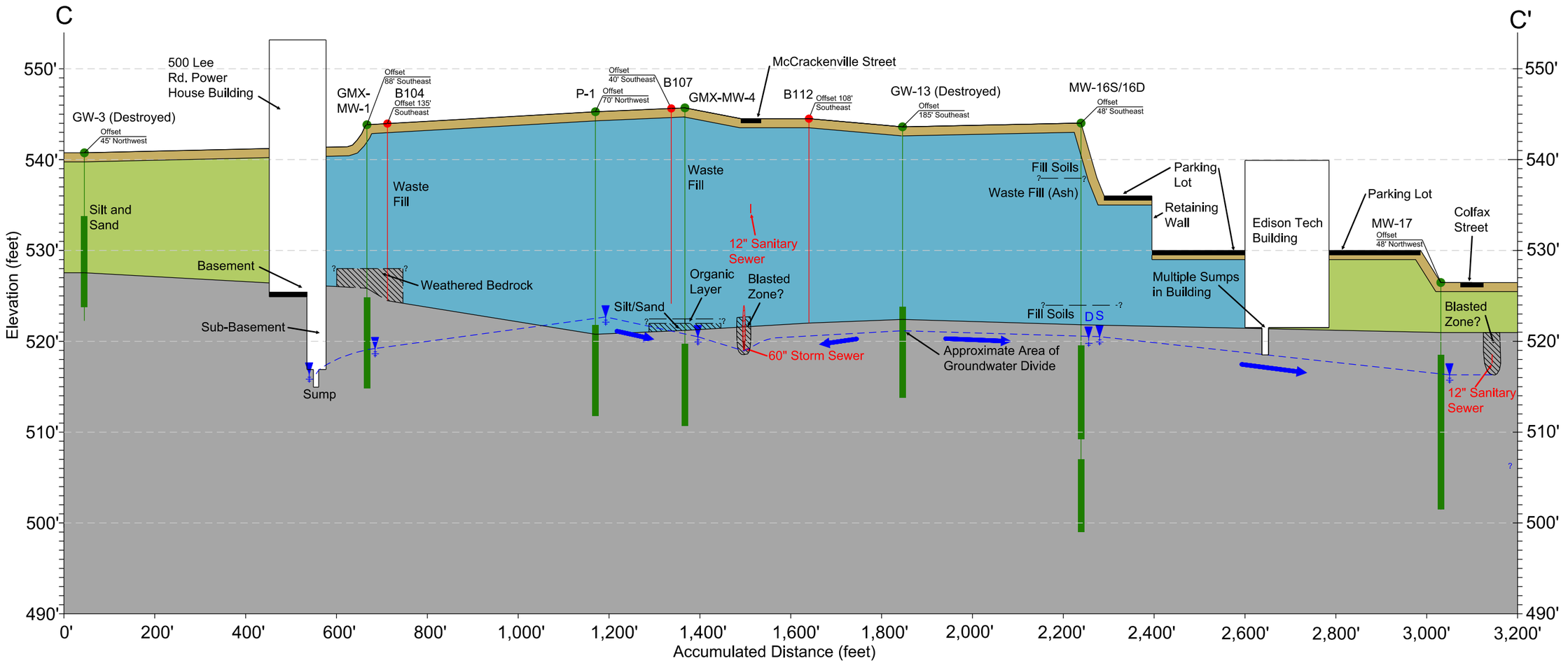
PROJECT/DRAWING NUMBER
210173

FIGURE 12



LEGEND

NOTE:

1. Formations based on boring log notes.
2. Subsurface formations inferred in areas below the terminal depth of borings, beyond the first and last point, and areas between borings.
3. Water Levels measured on December 2010.
4. All elevations are in NGVD 29 vertical datum.
5. Ground surface elevations for all test borings and test pits are inferred, based upon field observation. These features were not surveyed.
6. All fill descriptors were interpreted from boring logs.
7. Sewer invert elevations were obtained from Monroe County Mile Square maps.
8. Edison Tech building elevations were obtained from Northrup, Kaelber, and Kopf "Plumbing Work Plan" dated December 10, 1976. The vertical datum was not listed on the plan and is assumed to be City of Rochester Datum. We thus converted this elevation to NGVD 29.

- Topsoil/Surface Treatment
- Fill
- Re-Worked or Native Soils (i.e. No Regulated Solid Waste)
- Bedrock
- Groundwater Surface
- 30.0' Depth to Well
- Groundwater Elevation
- Monitoring Well (Screened Interval)
- Test Boring
- Groundwater Flow Path

Horizontal Scale in Feet
0 100 200 400
20:1 Vertical Exageration

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FINAL REPORT
FORMER EMERSON STREET LANDFILL
CITY OF ROCHESTER

DRAWING TITLE
CROSS SECTION C-C'

DESIGNED BY: EPD
DRAWN BY: IPJ
REVIEWED BY: DPN

ISSUED FOR
DRAFT

DATE: APRIL 2011

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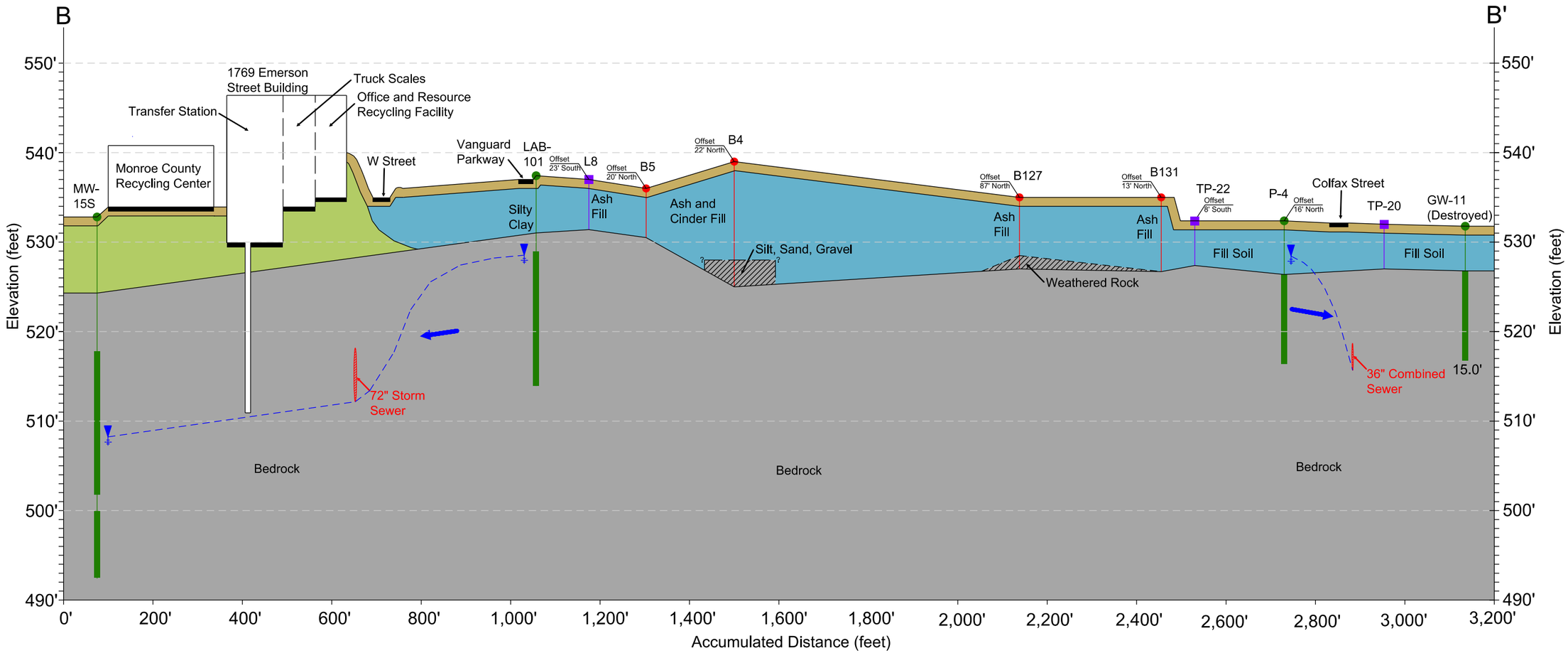
PROJECT/DRAWING NUMBER
210173

FIGURE 11



NOTE:

1. Formations based on boring log notes.
2. Subsurface formations inferred in areas below the terminal depth of borings, beyond the first and last point, and areas between borings.
3. Water Levels measured on December 2010.
4. All elevations are in NGVD 29 vertical datum.
5. Ground surface elevations for all test borings and test pits are Inferred, based upon field observation. These features were not surveyed.
6. All fill descriptors were interpreted from boring logs.
7. Sewer invert elevations were obtained from Monroe County Mile Square maps.

LEGEND

- Topsoil/Surface Treatment
- Fill
- Re-Worked or Native Soils (i.e. No Regulated Solid Waste)
- Bedrock
- 30.0' Depth to Well
- Groundwater Flow Path
- Groundwater Elevation
- Monitoring Well
- (Screened Interval)
- Test Boring
- Test Pit

Horizontal Scale in Feet

0 100 200 400

20:1 Vertical Exageration

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FINAL REPORT

FORMER EMERSON STREET LANDFILL

CITY OF ROCHESTER

DRAWING TITLE

CROSS SECTION B-B'

ISSUED FOR: FINAL

DESIGNED BY: EPD

DRAWN BY: IPJ

REVIEWED BY: DPN

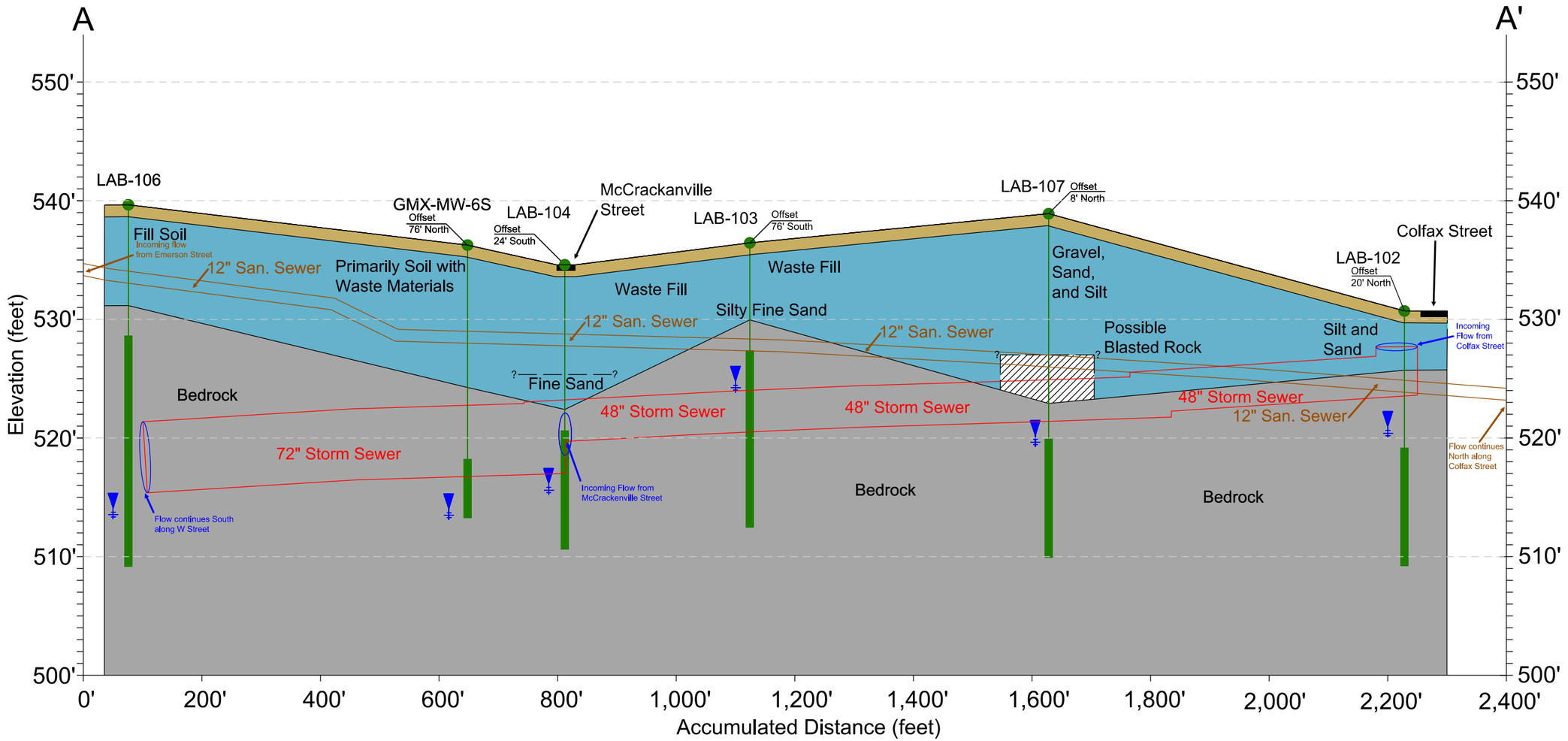
DATE: APRIL 2011

Y:\ROCHESTER,CITY\210623\PORTP

PROJECT/DRAWING NUMBER

210173

FIGURE 10



LEGEND

NOTE:

1. Formations based on boring log notes.
2. Subsurface formations inferred in areas below the terminal depth of borings, beyond the first and last point, and areas between borings.
3. Water Levels measured on December 2010.
4. All elevations are in NGVD 29 vertical datum.
5. All fill descriptors were interpreted from boring logs.
6. Sewer invert elevations were obtained from Monroe County Mile Square maps.

Topsoil/Surface Treatment

Fill

Bedrock

30.0' Depth to Well

Groundwater Elevation

Monitoring Well

←(Screened Interval)

Horizontal Scale in Feet

0 100 200 400

20:1 Vertical Exageration

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FINAL REPORT

FORMER EMERSON STREET LANDFILL

CITY OF ROCHESTER

DRAWING TITLE

CROSS SECTION
A-A'

ISSUED FOR

DRAFT

DESIGNED BY: EPD

DRAWN BY: IPJ

REVIEWED BY: DPN

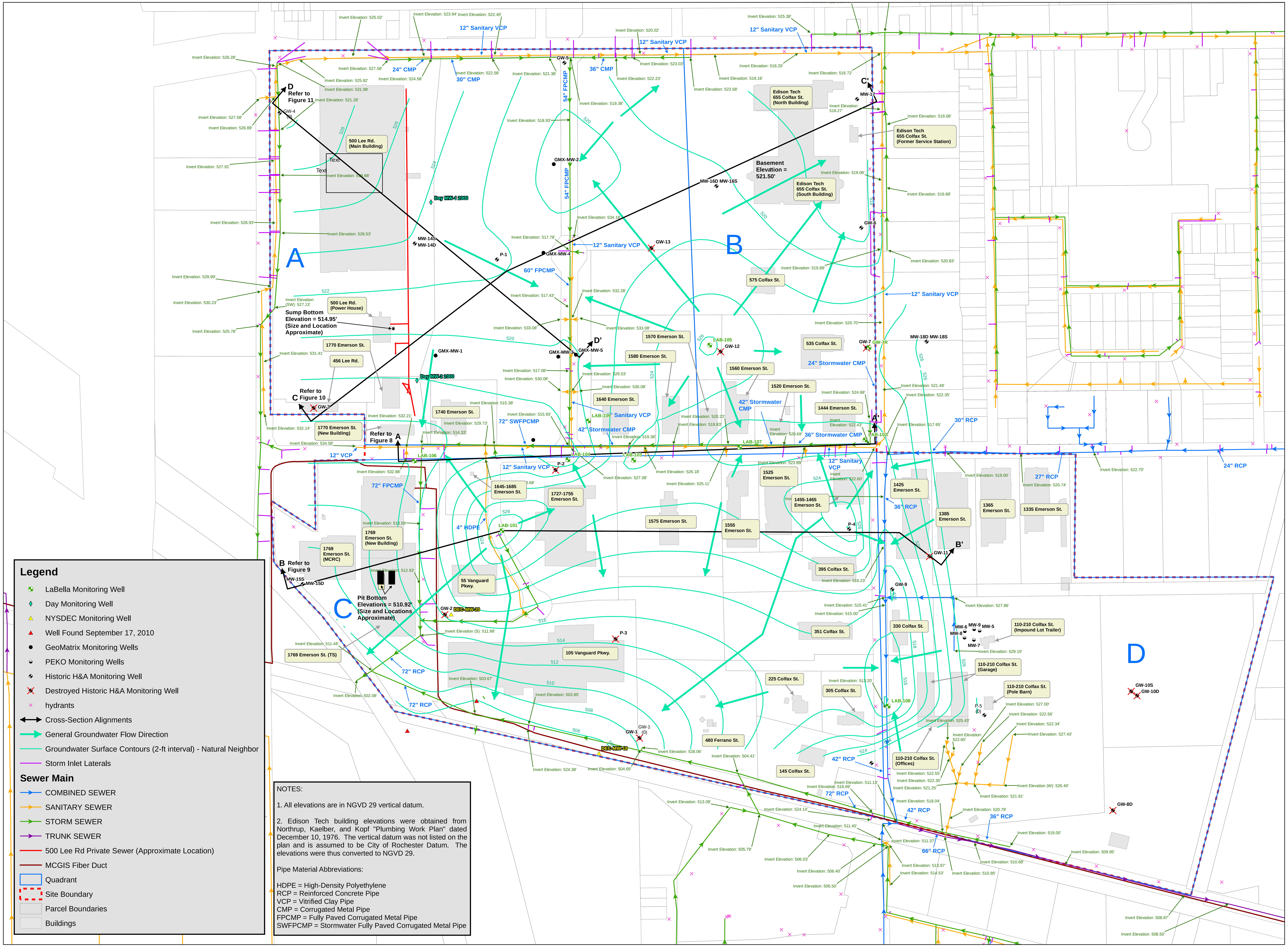
DATE: MARCH 2011

Y:\ROCHESTER,CITY\210623\PORTP

PROJECT/DRAWING NUMBER

210173

FIGURE 9



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CITY OF ROCHESTER

FORMER EMERSON STREET LANDFILL
ROCHESTER, NEW YORK

UTILITY SITE PLAN WITH DEC. 2010 GROUNDWATER CONTOURS AND FLOW DIRECTION

N W E S

0 200
1 inch = 200 feet

Notes:
1. Sewer invert elevations were taken from City of Rochester Existing Sewer System mapping.
2. All groundwater surface elevations were approximated based on contour mapping developed from the December 8 & 9, 2010 groundwater sample date.

210173

FIGURE 8

Legend

- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- hydrants
- Cross-Section Alignments
- General Groundwater Flow Direction
- Groundwater Surface Contours (2-ft interval) - Natural Neighbor
- Storm Inlet Laterals

Sewer Main

- COMBINED SEWER
- SANITARY SEWER
- STORM SEWER
- TRUNK SEWER
- 500 Lee Rd Private Sewer (Approximate Location)
- MCGIS Fiber Duct
- Quadrant
- Site Boundary
- Parcel Boundaries
- Buildings

NOTES:

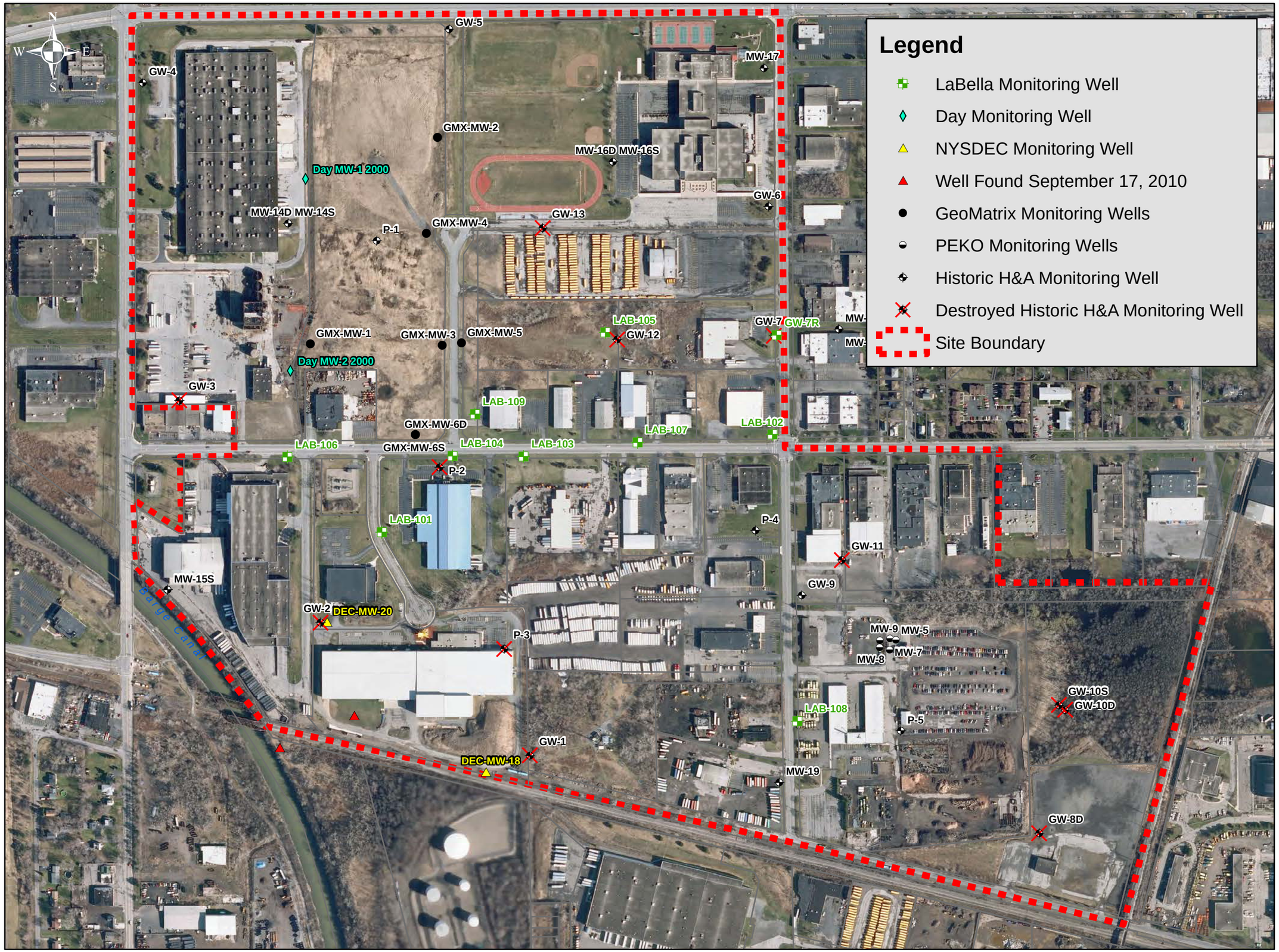
1. All elevations are in NGVD 29 vertical datum.

2. Edison Tech building elevations were obtained from Northrup, Kaelber, and Kopf "Plumbing Work Plan" dated December 10, 1976. The vertical datum was not listed on the plan and is assumed to be City of Rochester Datum. The elevations were thus converted to NGVD 29.

Pipe Material Abbreviations:

HDPE = High-Density Polyethylene
RCP = Reinforced Concrete Pipe
VCP = Vitrified Clay Pipe
CMP = Corrugated Metal Pipe
FPCMP = Fully Paved Corrugated Metal Pipe
SWFPCMP = Stormwater Fully Paved Corrugated Metal Pipe

Path: Y:\Rochester, City\210173 FESL\Drawings\Report Figures\Figure 8 Utility Site Plan with GW Model (IPJ 2011-05-24).mxd



Legend

- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- Site Boundary

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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

GROUNDWATER MONITORING WELL LOCATIONS

N
W
E
S

0 200 400 Feet

1 inch = 400 feet

210173

FIGURE 7

Legend

RSW Thickness Isopleths (1-ft) - Kriging Model

- Major (5' Interval)
- Minor (1' Interval)

Areas with Partial to Complete Removal of RSW

- Incomplete Removal
- Complete Removal

Historing Test Locations

- Locations Included in RSW Model (RSW Thickness [ft])
- Locations excluded from RSW Model
- Building
- Parcel Boundary
- Quadrant
- Site Boundary

Note:

1) Borings at 180 Ferrano Street encountered ash material; however, this property was developed prior to 1930 and there were no disturbed areas associated with the Former Emerson Street Landfill on the aerials reviewed (refer to Figures 4a through 4g).

LEXINGTON AVENUE

LEXINGTON AVENUE

POLARIS ROAD

COLFAX STREET

LEE ROAD

MCCRACKAN WEST

EMERSON STREET

ANGLUARD PKWY

MT READ BLVD

FERRANO STREET

Barge Canal

A

B

C

D

940

N

W E

S

0 100 200 400 600 Feet

1 inch = 200 feet

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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

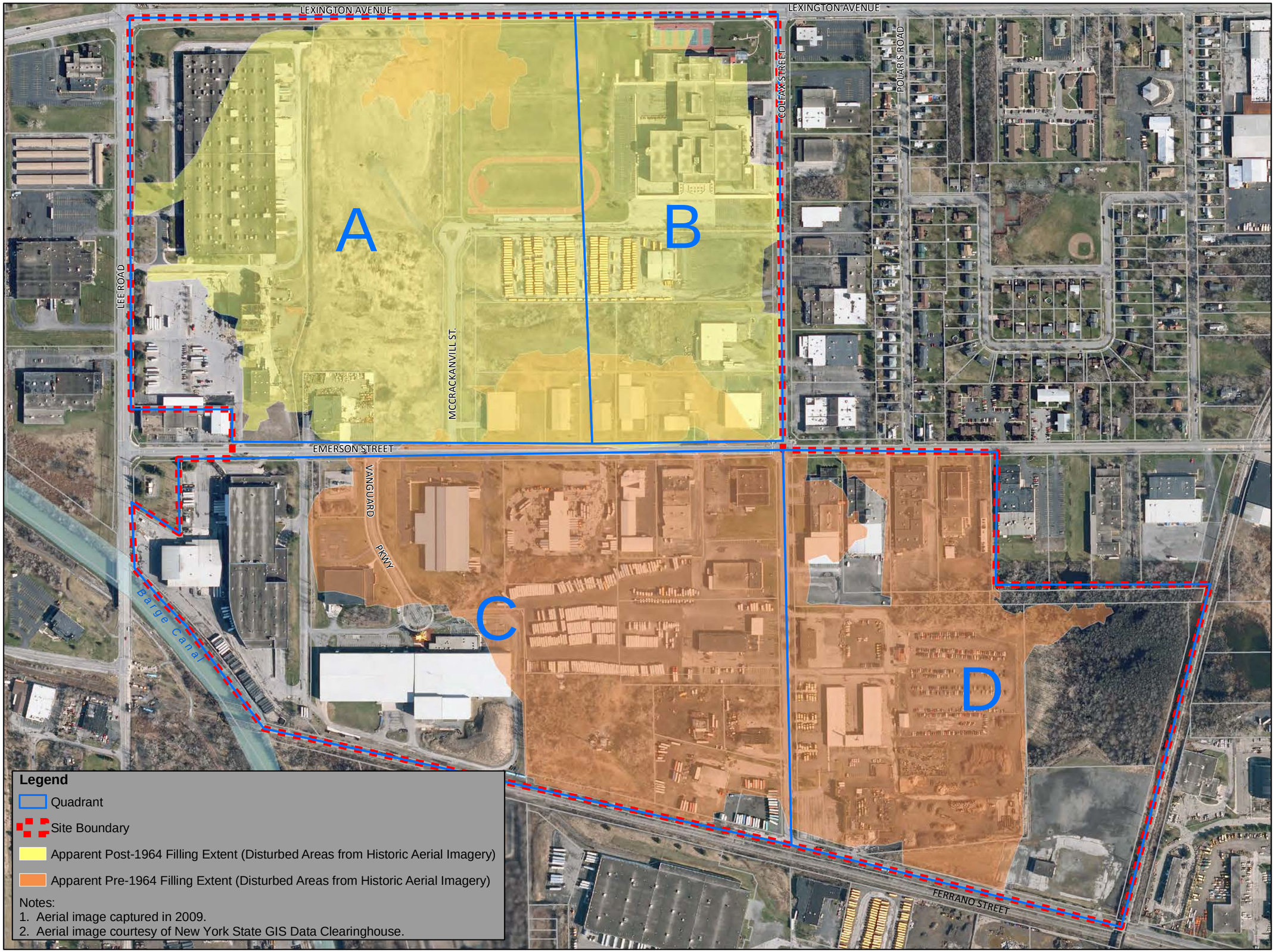
CITY OF ROCHESTER

Historic Test Locations with Regulated Solid Waste (RSW) Limitis and Isopleths

210173

FIGURE 6

Path: Y:\Rochester, City\210173 FESL\Drawings\Report Figures\Figure 6 FESL Thickness of Landfilling (RPJ 2011-06-21).mxd



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

Total Fill Footprint with Pre- and Post-1964 Filling Areas Defined

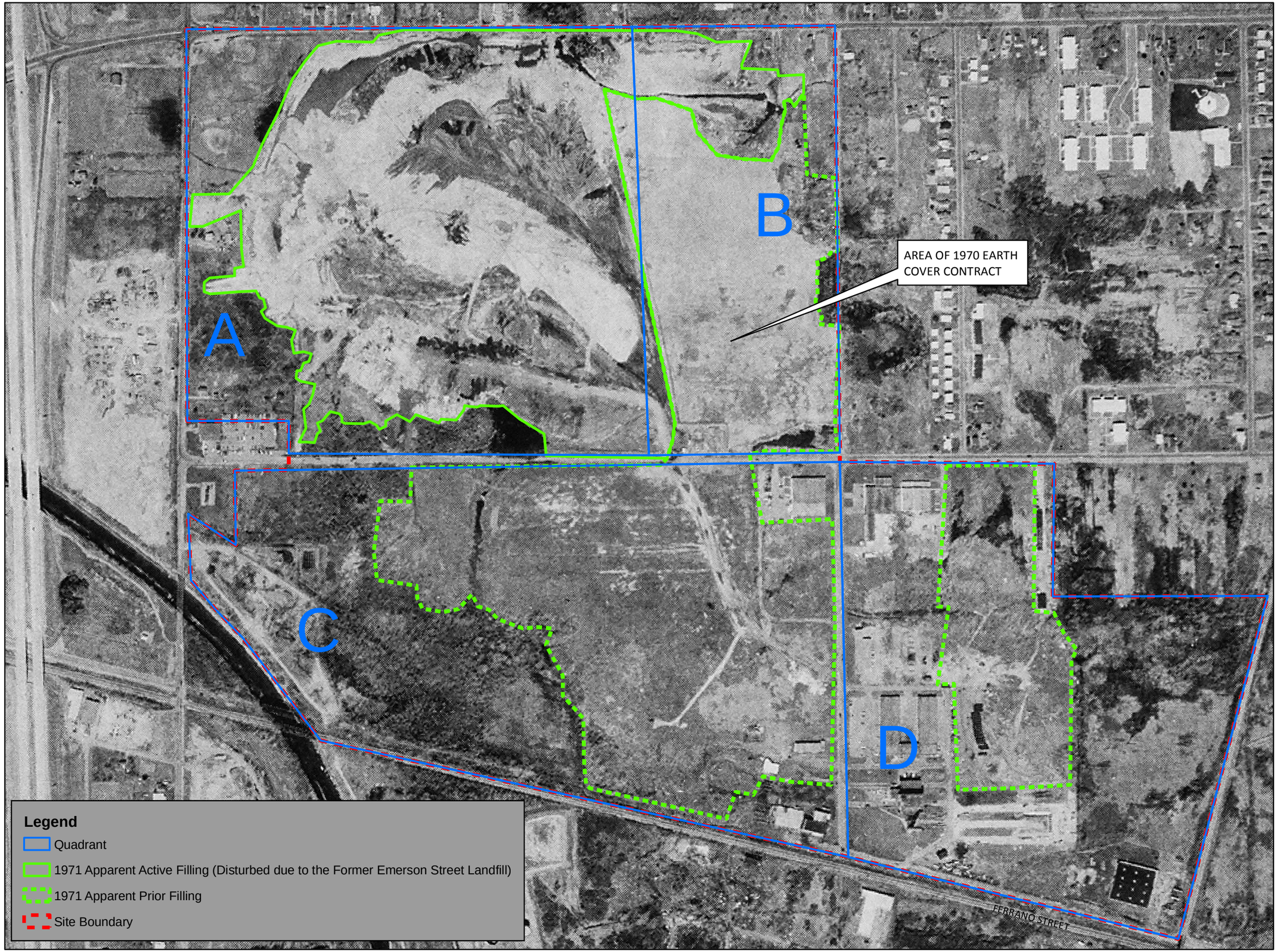
N
W E
S

0 400 Feet

1 inch = 400 feet

210173

FIGURE 5



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

1971 HISTORIC AERIAL PHOTOGRAPH

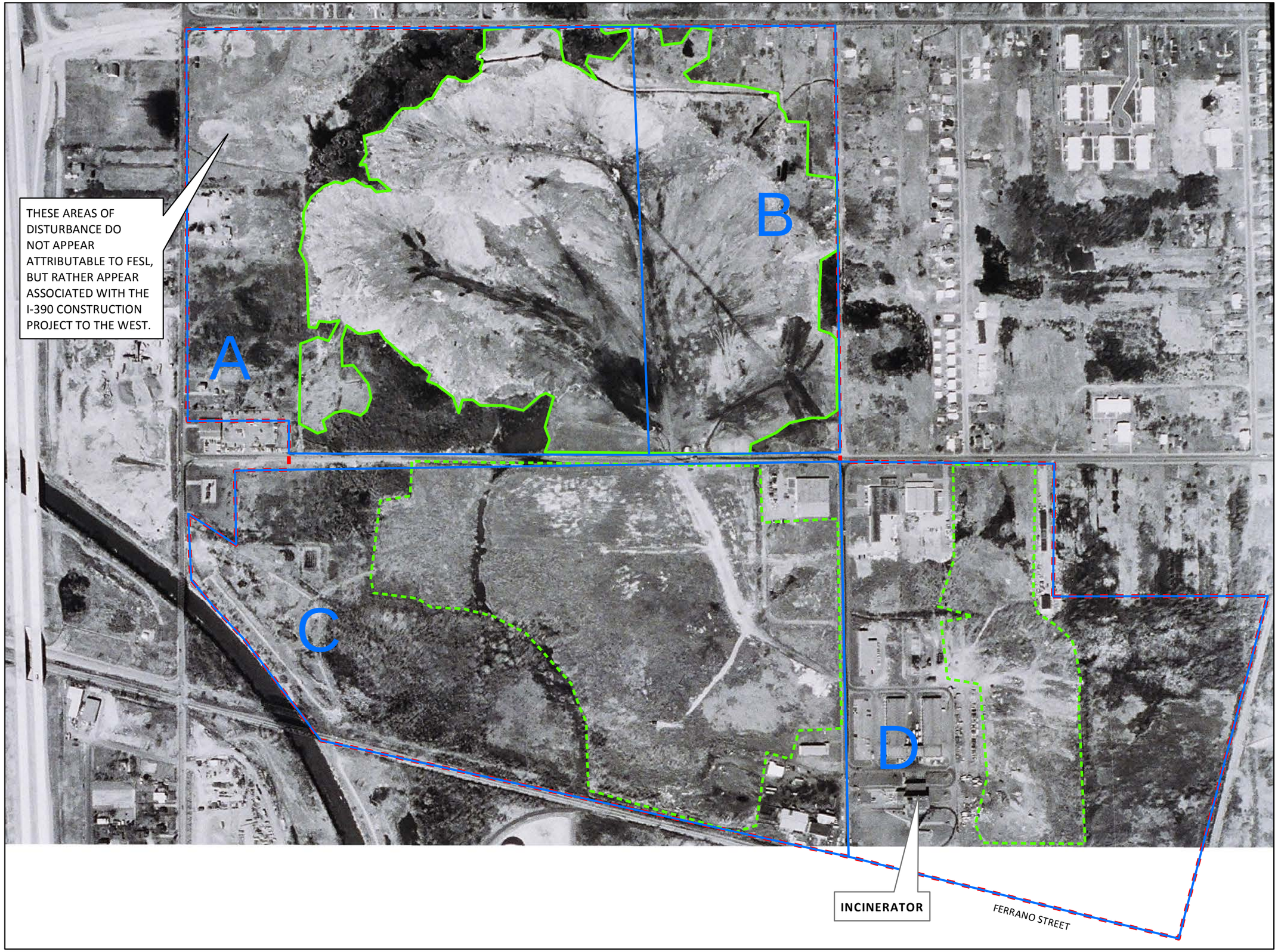
N
W E
S

0 400 Feet

1 inch = 400 feet

210173

FIGURE 4g



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

1970 HISTORIC AERIAL PHOTOGRAPH

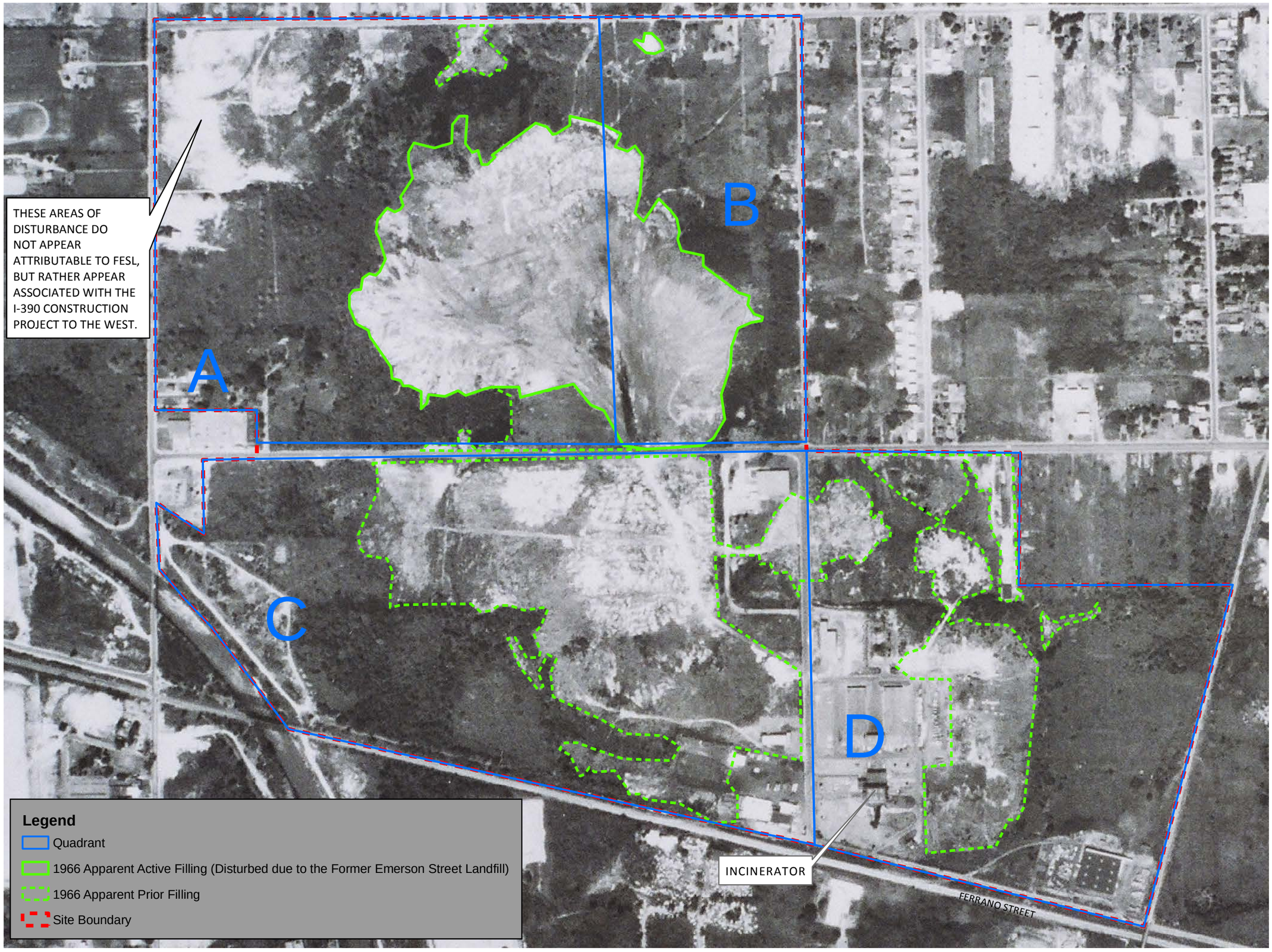
N
W E
S

0 400 Feet

1 inch = 400 feet

210173

FIGURE 4f



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

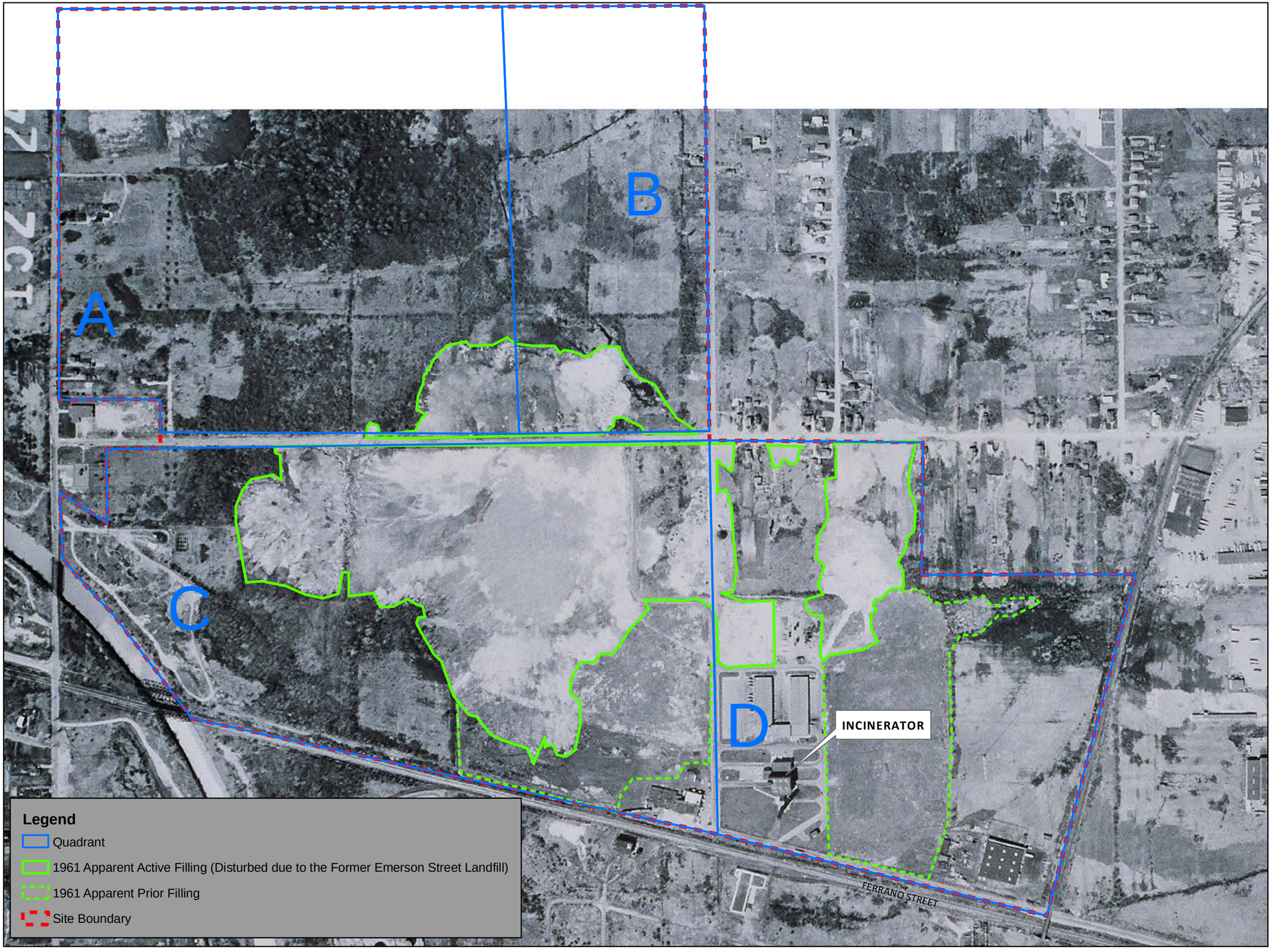
1966 HISTORIC AERIAL PHOTOGRAPH

N
W E
S

0 400 Feet
1 inch = 400 feet

210173

FIGURE 4e



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

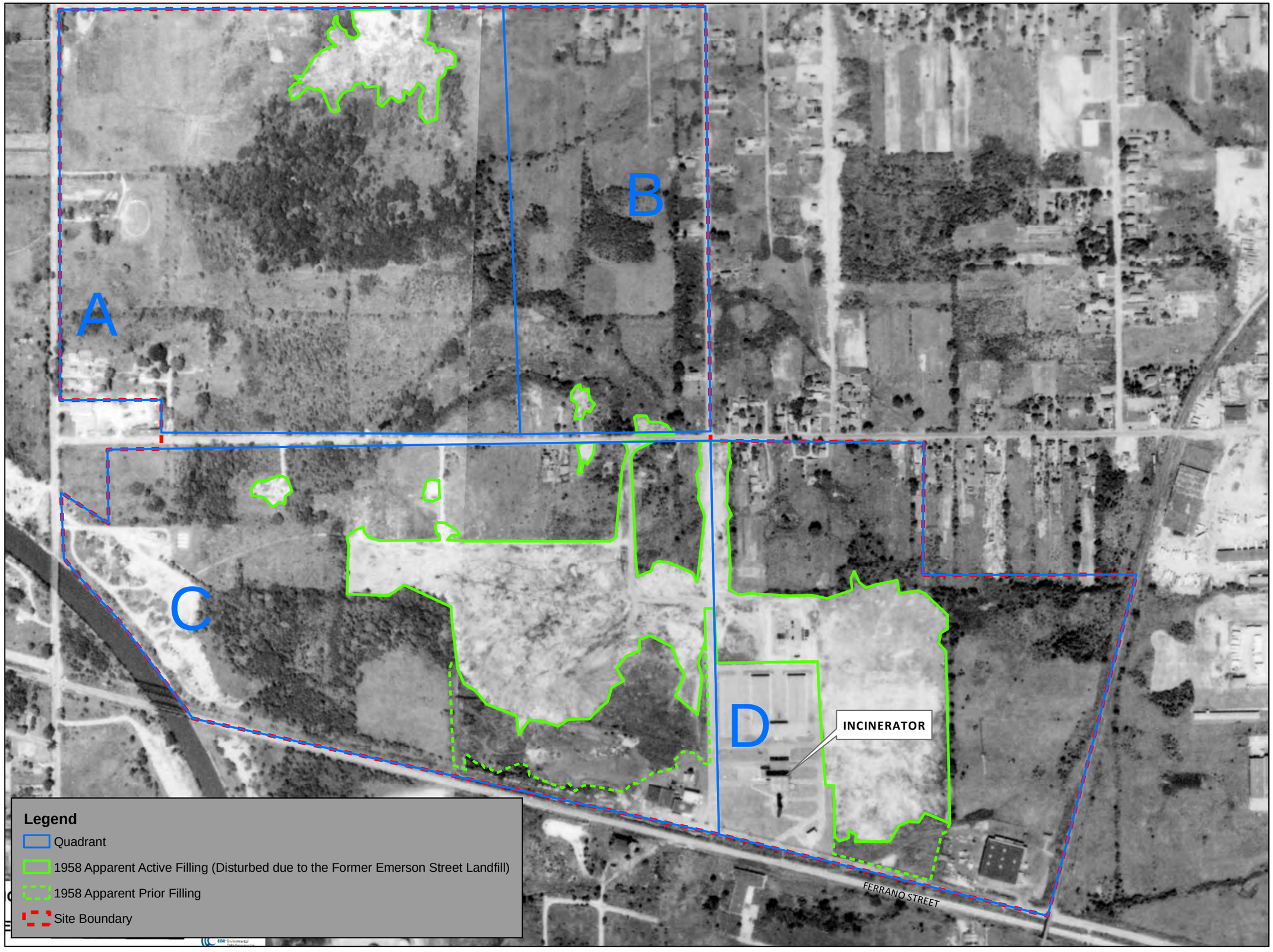
1961 HISTORIC AERIAL PHOTOGRAPH

N
W E
S

0 400 Feet
1 inch = 400 feet

210173

FIGURE 4d



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

1958 HISTORIC AERIAL PHOTOGRAPH

N
W E
S

0 400 Feet
1 inch = 400 feet

210173

FIGURE 4c

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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

1951 HISTORIC AERIAL PHOTOGRAPH

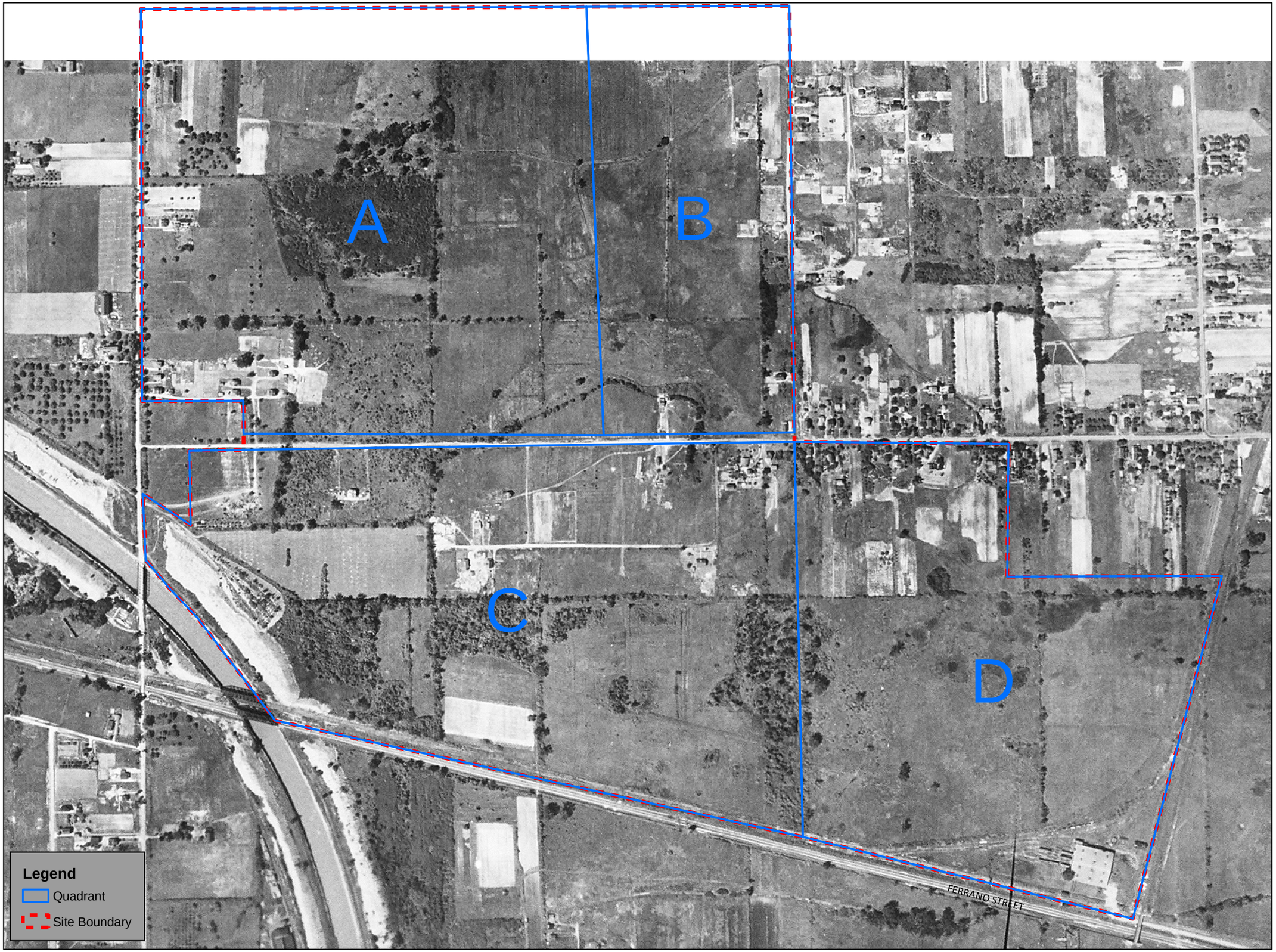
N
W E
S

0 400 Feet

1 inch = 400 feet

210173

FIGURE 4b



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FORMER EMERSON STREET LANDFILL SOIL VAPOR INTRUSION INVESTIGATION

CITY OF ROCHESTER

1930 HISTORIC AERIAL PHOTOGRAPH

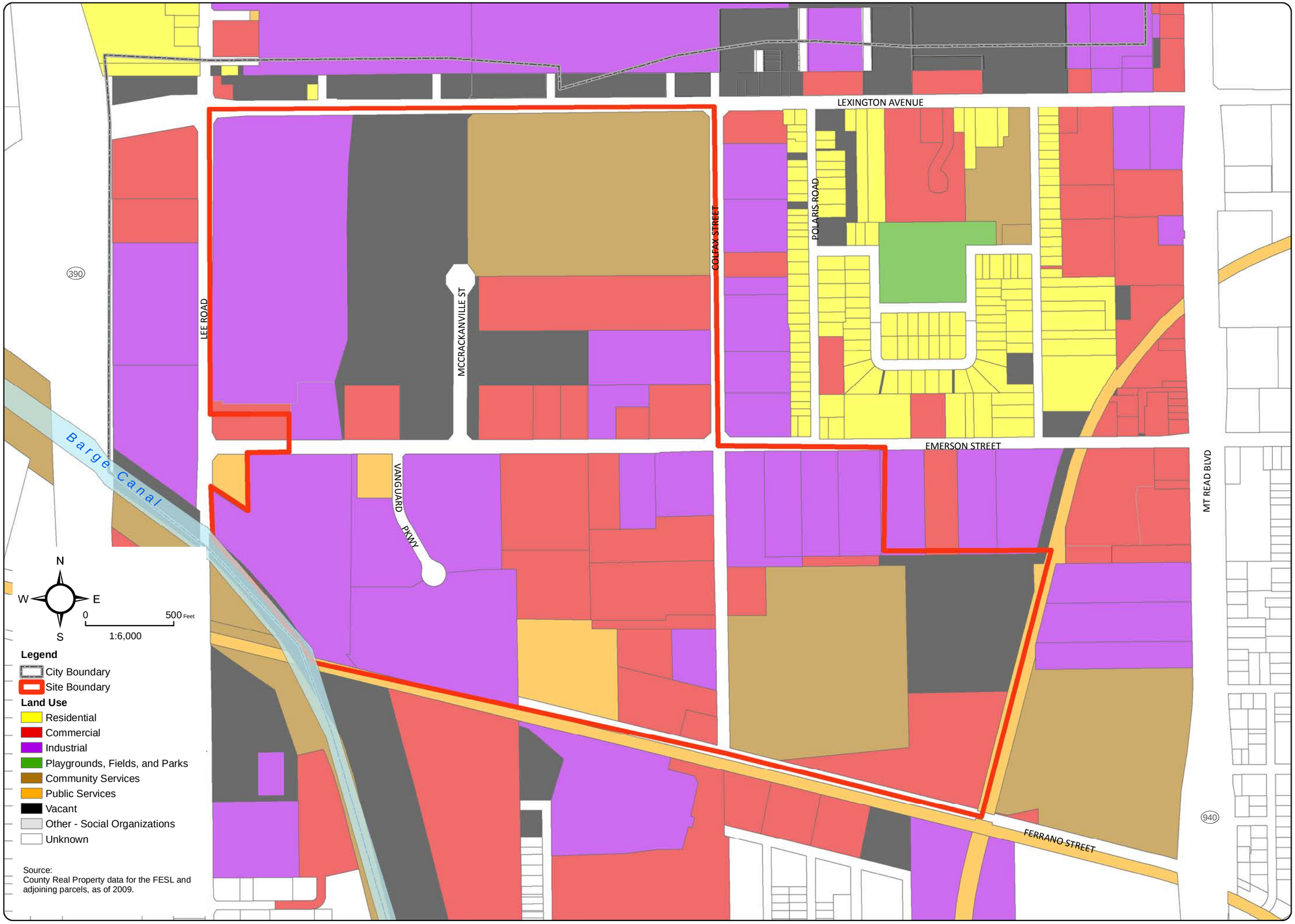
N
W E
S

0 400 Feet

1 inch = 400 feet

210173

FIGURE 4a



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PROJECT/CLIENT
CITY OF ROCHESTER
FORMER EMERSON STREET LANDFILL
SOIL VAPOR INTRUSION REPORT
Data Review, Site Screening, & Prioritization Phase

DRAWING TITLE
LANDUSE AT SITE AND SURROUNDING AREA

ISSUED FOR
DRAFT

DESIGNED BY: RCN
DRAWN BY: RCN
REVIEWED BY: DPN
DATE: MARCH 2009

PROJECT/DRAWING NUMBER
210173
FIGURE 3

FIGURE 2

PROJECT/DRAWING NUMBER 210173

DRAWING TITLE

AERIAL PHOTOGRAPHY OF
SITE AND SURROUNDING AREA

ISSUED FOR
DRAFT

DATE: MARCH 2009

DESIGNED BY: RCN
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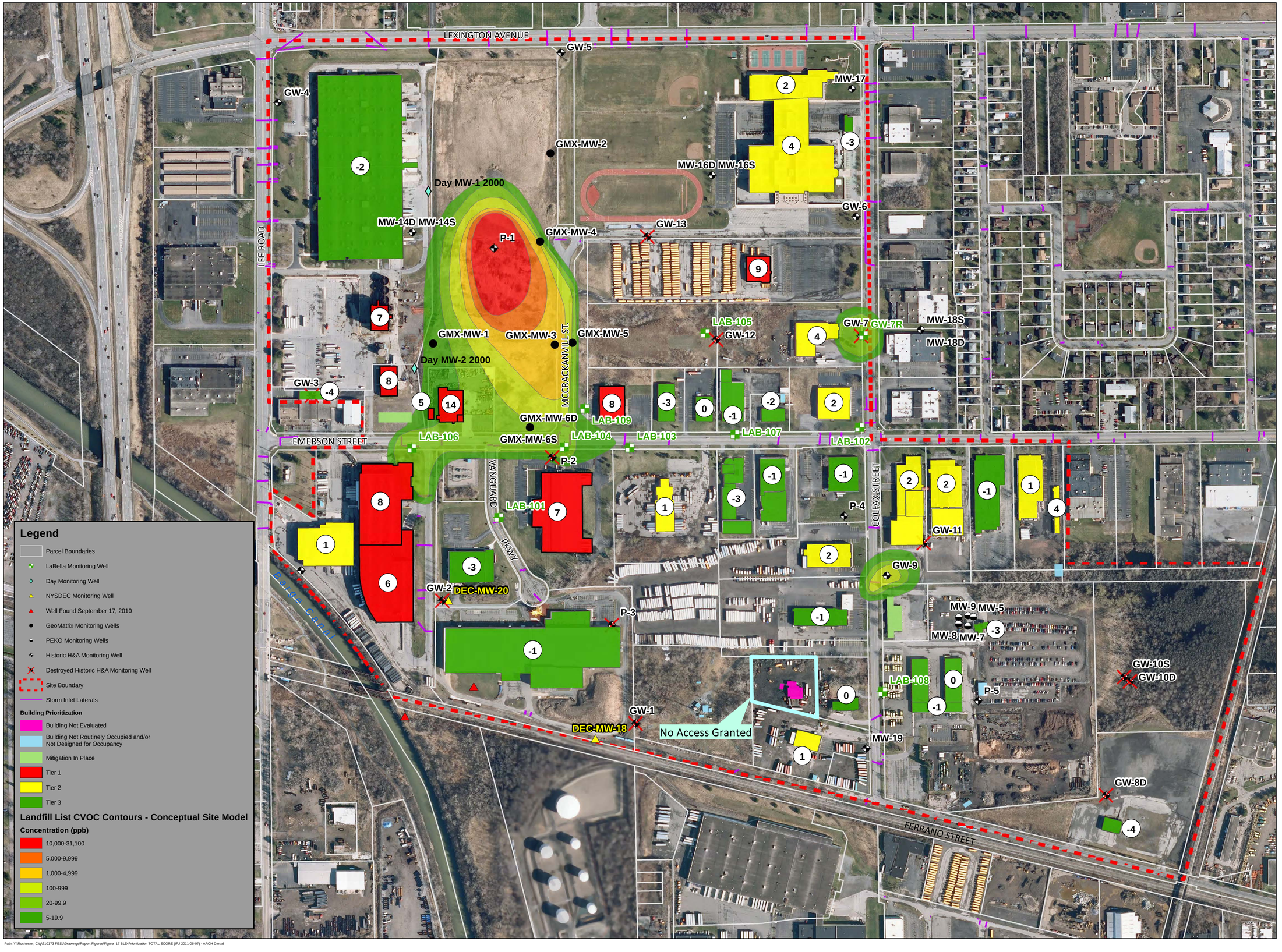
CITY OF ROCHESTER

FORMER EMERSON STREET LANDFILL ROCHESTER, NEW YORK

TOTAL BUILDING PRIORITIZATION SCORES WITH CHLORINATED VOC CONCENTRATION CONTOURS



Legend

- Parcel Boundaries
- LaBella Monitoring Well
- Day Monitoring Well
- NYSDEC Monitoring Well
- Well Found September 17, 2010
- GeoMatrix Monitoring Wells
- PEKO Monitoring Wells
- Historic H&A Monitoring Well
- Destroyed Historic H&A Monitoring Well
- Site Boundary
- Storm Inlet Laterals

Building Prioritization

- Building Not Evaluated
- Building Not Routinely Occupied and/or Not Designed for Occupancy
- Mitigation In Place
- Tier 1
- Tier 2
- Tier 3

Landfill List CVOC Contours - Conceptual Site Model

Concentration (ppb)

- 10,000-31,100
- 5,000-9,999
- 1,000-4,999
- 100-999
- 20-99.9
- 5-19.9

N
W E
S

0 400 Feet
1 inch = 200 feet

Notes:

1) Concentration contours were initially modeled using Golden Surfer version 8 using the Natural Neighbor function. This base model was used to develop the conceptual site model displayed in this figure. In addition to the contaminant concentration, the conceptual site model accounts for additional influential site factors such as: groundwater flow, preferential pathways (i.e., sewers), geology, etc. Based on the method of derivation, these contours are inferred and may not represent the actual extent of impacts/concentrations.

2) CVOCs used in modeling are those known to be attributed to the Former Emerson Street Landfill, and include: Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Vinyl Chloride, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Chloroethane, and Chloromethane.

3) Total prioritization scores based on the 'FESL Factors' and 'Non-FESL Factors.' Additional information on the factors can be obtained from Sections 4, 5, and 7 of the report and the Prioritization Worksheet A (Appendix 17). Additional information on the specific buildings can be obtained from the 'Property Summaries' (Appendix 14).

210173

FIGURE 17

Path: Y:\Rochester, City\210173 FESL\Drawings\Report Figures\Figure 17 BLD Prioritization TOTAL SCORE (IPJ 2011-06-07) - ARCH D.mxd

Table 10
FESL PROPERTY PRIORITIZATIONS
TIER 3 PROPERTIES
NYSDEC SITE No. 828023

	NUMBER	STREET	BUILDING	OWNER	TOTAL SCORE	DESCRIPTION OF SCORE	RECOMMENDATION
TIER 3 PROPERTIES	305	COLFAX ST	Main building	GENIE MANUFACTURING CORPORATION	0	The building is generally in good condition and it's characteristics show a low potential for SVI (only minor cracking). The P-1 plume area is approximately 1,600 feet away and is considered cross gradient. The building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1570	EMERSON ST	Main building	MASTRODONATO ANDREW A	0	The building is generally in good condition and it's characteristics show a low potential for SVI (e.g., minor cracking and some sealing). The P-1 plume area is approximately 400 feet away and cross gradient. However, the building is located in an area that received post 1964 fill materials and is estimated to have up ot 10 ft. of fill beneath portions of the site. The site recon did not identify readings of concern due to FESL.	No further evaluation.
	110-210	COLFAX ST	Main building garage	CITY OF ROCHESTER	0	This portion of this building is an open air garage without doors and use is limited to a few hours a day by drivers. Furthermore, the area appears to have been filled with ash and is over 1,700 ft. from the P-1 plume area.	No further evaluation.
	1525	EMERSON ST	Main building	1770-1780 EAST RIDGE ROAD INC. (Pheonix Graphics)	-1	The building does have some characteristics that increase the potential for SVI (gaps between concrete floor and foundation footers); however, the P-1 plume area is over 750 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials. The site reconnaissance identified methane readings of concern which may be related to the FESL.	1. Conduct two additional site visits to confirm that the previous reading locations do not exhibit methane readings. Additionally, areas previously tested in the 2001 addition should be re-tested to confirm that the methane is not travelling to another outlet location.
	105	VANGUARD PKWY	Main building	KLEIN STEEL SERVICES	-1	This buildings characteristics show a low potential for SVI (minor cracking, vapor barrier beneath a portion of building). This building is approximately 600 ft. from the P-1 plume area but appears to be downgradient. This building had a complete removal of fill mateirals during construcition.	No further evaluation.
	351	COLFAX ST	Main building	COLFAX STREET PROEPRTIES LP (DECAROLIS)	-1	This building does have characteristics that increase the potential for SVI (cracking and holes in floor in garage area); however, the P-1 plume area is over 1,100 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1365	EMERSON ST	Main building	STEINEBACH CHRISTIAN C &	-1	This building was generally in good condition and it's characteristics show a low potential for SVI (minor cracking and no heaving). The P-1 plume area is over 1,700 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL. A previous investigation did encounter methane beneath the parking lot and a vent system was installed; however, monitoring points within the building did not identify methane.	No further evaluation.
	1560	EMERSON ST	Main building	DPI COMMERCIAL REAL ESTATE LLC	-1	This building was generally in good condition and it's characteristics show a low potential for SVI (minor cracking). The P-1 plume area is over 500 feet away and cross gradient. While this building is north of Emerson street, previous development work at the site only identified ash fill materials beneath the building and the site recon did not identify readings of concern due to FESL. In addition, a passive vent system is in place beneath the first addition and infrastructure for an active system is beneath the second addition.	No further evaluation.
	110-210	COLFAX ST	Main building office	CITY OF ROCHESTER	-1	This building does have characteristics that increase the potential for SVI (cracking and settling of the floor); however, the P-1 plume area is over 1,700 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1455-1465	EMERSON ST	Main building	COLFAX STREET PROPERTIES LP (DECAROLIS)	-1	This building was generally in good condition and it's characteristics show a low potential for SVI (minor cracking). The P-1 plume area is over 1,000 feet away and cross gradient. The building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	500	LEE RD	Main building	MAGUIRE FAMILY PROPERTIES INC	-2	This buildings characteristics show a low potential for SVI (minor cracking and epoxy/sealing over portions of the building). This building appears to be more than 100 ft. upgradient from the P-1 plume area. This building had a complete removal of fill mateirals beneath the building during construcition. The site recon did not identify readings of concern due to FESL.	No further evaluation.
	1520	EMERSON ST	Main building	EMERSON 1520 LLC (SERVPRO)	-2	This building does have characteristics that increase the potential for SVI (some cracking); however, the P-1 plume area is over 700 feet away and cross gradient. The building is located on post 1964 fill material; however, the site recon did not identify readings of concern due to FESL.	No further evaluation.
	655	COLFAX ST	Former Service Station	CITY OF ROCHESTER (EDISON TECH)	-3	This building is reported to be currently unoccupied (although it is built for occupancy). This building appears to be outside of filling operations. This building is over 1,400 feet upgradient of the P-1 plume area. The site recon did not identify readings of concern due to FESL.	No further evaluation.
	55	VANGUARD PKWY	Main building	VANGUARD PARKWAY LLC (XLI CORPORATION)	-3	This buildings characteristics show a low potential for SVI (minor cracking, vapor barrier on foundation walls). This building is approximately 250 ft. from the P-1 plume area but appears to be downgradient. This building had a complete removal of fill mateirals beneath the building during construcition. The site recon did not identify readings of concern due to FESL.	No further evaluation.
	1555	EMERSON ST	Main building	GBH FAMILY CORP	-3	This buildings characteristics show a low potential for SVI (minor cracking and sealing over portions of the building). This building is over 500 ft. crossgradient from the P-1 plume area. This area appears to only have recieved ash fill mateirals and there was a reported removal of ash fill material during construction of one of the additions. The site recon did not identify readings of concern due to FESL.	No further evaluation.
	1580	EMERSON ST	Main building	MASTRODONATO ANDREW A	-3	The building is generally in good condition and it's characteristics show a low potential for SVI (e.g., minor cracking and some sealing). The P-1 plume area is approximately 220 feet away and cross gradient. However, the building is located in an area that received post 1964 fill materials and is estimated to have greater than 10 ft. of fill under portions of the building. The site recon did not identify readings of concern due to FESL and there is a passive vent system beneath the entire building.	No further evaluation.
	110-210	COLFAX ST	Impound lot trailer	CITY OF ROCHESTER	-3	This building is a trailer that does not have direct contact with the subusrface. There were no readings of concern within the trailer building due to FESL. In addition, this building is over 1,900 ft from the P-1 plume area and this area appears to have only recieved ash fill materials.	No further evaluation.
	200	FERRANO ST	Main building	FLOWER CITY TRANSFER INC	-4	This building does not appear to be located over fill materials (nearest filling, of apparent ash, is approximately 100 ft. west). This building is approximatley 2,900 ft from the P-1 plume area and is cross gradient. This building also was generally in good condition and showed a low potential for SVI (i.e., minor cracking).	No further evaluation.
	456	LEE RD	Main building	LEVA FAMILY PROPERTIES LLC	-4	This building does not appear to be located over fill materials (nearest filling is approximately 150 ft. east). This building is approximatley 400 ft from the P-1 plume area and is cross gradient. This building also was generally in good condition and showed a low potential for SVI (i.e., minor cracking).	No further evaluation.

Notes:
1. As identified in the SVI Investigation Report (Sections 3, 4 & 5), the chlorinated VOC impacts to groundwater that appear attributable to FESL are limited to the P-1 plume. The P-1 plume area (> 5 ppb) is defined on Figure X in the SVI Investigation Report.
2. The post 1964 landfilling operations are discussed in Section 4 of the SVI Investigation Report. The available information suggests that the potential for methane is low south of Emerson Street and this is supported by site specific data.
3. Any site recon meter readings of methane were assumed to be from the FESL unless a more likely source (such as sewer gas when testing a floor drain) was present. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
4. Site recon meter readings for VOCs were evaluated by determining background levels due to operations in the area and only VOC levels above background were identified as potentially due to FESL. In the event an on-site source was likely and the readings were not in proximity to the P-1 plume (building within 100-ft. of P-1 plume), then the reading was attributed to an on-site source. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
5. For site where "No Further Evaluation" is recommended; should additional data become available (e.g., information generated during additional work (especially neighboring properties), may neeed to evaluate need to conduct additional work.

Table 9
FESL PROPERTY PRIORITIZATIONS
TIER 2 PROPERTIES
NYSDEC SITE No. 828023

	NUMBER	STREET	BUILDING	OWNER	TOTAL SCORE	DESCRIPTION OF SCORE	RECOMMENDATION
TIER 2 PROPERTIES	655	COLFAX ST	South building	CITY OF ROCHESTER (EDISON TECH)	4	Building use categories elevate this buildings score due to potential receptors and number of people. In addition, building characteristics also increase the potential for SVI (basement, no floor); however, SVI potential due to the FESL is low since the fill materials were removed from beneath the building and groundwater impacts from the P-1 plume are more than 900 ft. from the building and the building is in a hydruallically upgradient location . The site recon did not idenitfy readings of concern attributable to the FESL.	Pursue building pressurization since infrastructure is present. Building pressurization should look at 1st floor postive compared to basement and basement positive compared to subsurface. In order to confirm the existing pressurization and determine the need for any modifications, the following additional evaluations is recommended: 1. Conduct airflow measurements on existing air handler units by a contracted air balancer. 2. Seal obvious penetrations between the first floor and basement. 3. Completion of a full design drawing airflow evaluation. This will entail reviewing full building drawings and establishing an airflow balance based on all outside air intakes, exhausts, and reliefs. 4. Implement varying levels of design schemes.
	1335	EMERSON ST	Eastern building	AGIR LLC	4	Building not in proximity to a known FESL VOC or Methane source. Building does have characteristics that would increase the potential for SVI (basement, cracking, basement furnace, etc.) if a FESL source were present; however, the FESL filling appears limited to ash material and methane and VOC impacts due to FESL are not anticipated (P-1 plume approximately 1,900 feet west and cross-gradient). The site recon did not idenitfy readings of concern attributable to the FESL.	No further evaluation.
	535	COLFAX ST	Main building	525 LEE ROAD LLC	4	Building is generally in good condition except for some floor cracking; however, the building is more than 900 ft. from the P-1 plume and is cross-gradient. The building is located over approximately 15-ft. of post 1964 fill materials; however, there were no methane readings during the sitve recon. The building has a reported history of chlorinated solvent use. The site recon did not idenitfy readings of concern attributable to the FESL.	No further evaluation.
	655	COLFAX ST	North building	CITY OF ROCHESTER (EDISON TECH)	2	Building use categories elevate this buildings score due to potential receptors and number of people. In addition, building characteristics also increase the potential for SVI (basement, no floor); however, SVI potential due to the FESL is low since the fill materials were removed from beneath the building and groundwater impacts from the P-1 plume are more than 1,100 ft. from the building and the building is in a hydruallically upgradient location . The site recon did not idenitfy readings of concern attributable to the FESL.	Pursue building pressurization since infrastructure is present. Building pressurization should look at 1st floor postive compared to basement and basement positive compared to subsurface. In order to confirm the existing pressurization and determine the need for any modifications, the following additional evaluations is recommended: 1. Conduct airflow measurements on existing air handler units by a contracted air balancer. 2. Seal obvious penetrations between the first floor and basement. 3. Completion of a full design drawing airflow evaluation. This will entail reviewing full building drawings and establishing an airflow balance based on all outside air intakes, exhausts, and reliefs. 4. Implement varying levels of design schemes.
	1769	EMERSON ST	MCRC (West)	COUNTY OF MONROE	2	Building has some characteristics that would increase the potential for SVI (e.g., significant cracking, sub-grade structures, etc.); however, a portion of the building is also open-air due to operations and there are numerous overhead doors that are continuously open during operations. Building crossgradient of P-1 Plume (est. 300 ft.). Potential for preferential pathways is low due to main building (RRF north & south) are between this buillding and the plume.	No further evaluation.
	395	COLFAX ST	Main building	COLFAX STREET PROEPRTIES LP (DECAROLIS)	2	The building has some characteristics that increase the potential for SVI (e.g., cracking and settling); however, the P-1 plume area is over 1,000 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1385	EMERSON ST	Main building	INVOFAB INDUSTRIES INC	2	The building is generally in good condition and it's characteristics show a low potential for SVI (e.g., minor cracking and some sealing). In addition, the P-1 plume area is over 1,500 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1425	EMERSON ST	Main building	PEKO PRECISION PRODUCTS INC	2	The building does have some characteristics that increase the potential for SVI (exposed cinder block founation walls in original portion of building); however, the P-1 plume area is over 1,300 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1444	EMERSON ST	Main building	AUSTIN FAMILY/EMERSON LLC	2	The building characteristics show a low potential for SVI (clean room positively pressurized, epoxy floor, etc.); however, the P-1 plume area is over 900 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	145	COLFAX ST	Main building	COLFAX STREET PROPERTIES LP (DECAROLIS)	1	This building does have characteristics that increase the potential for SVI (cracking and holes in floor in garage area); however, the P-1 plume area is over 1,300 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1575	EMERSON ST	Main building	YELLOW FREIGHT SYSTEMS INC	1	This building does have some characteristics that increase the potential for SVI (some floor cracking). The P-1 plume area is over 250-ft. to the northwest and is considered cross gradient. The building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.
	1335	EMERSON ST	Main building	AGIR LLC	1	This building does have some characteristics that increase the potential for SVI (some floor cracking); however, the P-1 plume area is over 1,700 feet away and cross gradient. In addition, the building is located in an area that appears to have only received ash fill materials and the site recon did not identify readings of concern due to FESL.	No further evaluation.

Notes:
1. As identified in the SVI Investigation Report (Sections 3, 4 & 5), the chlorinated VOC impacts to groundwater that appear attributable to FESL are limited to the P-1 plume. The P-1 plume area (> 5 ppb) is defined on Figure X in the SVI Investigation Report.
2. The post 1964 landfilling operations are discussed in Section 4 of the SVI Investigation Report. The available information suggests that the potential for methane is low south of Emerson Street and this is supported by site specific data.
3. Any site recon meter readings of methane were assumed to be from the FESL unless a more likely source (such as sewer gas when testing a floor drain) was present. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
4. Site recon meter readings for VOCs were evaluated by determining background levels due to operations in the area and only VOC levels above background were identified as potentially due to FESL. In the event an on-site source was likely and the readings were not in proximity to the P-1 plume (building within 100-ft. of P-1 plume), then the reading was attributed to an on-site source. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
5. For site where "No Further Evaluation" is recommended; should additional data become available (e.g., information generated during additional work (especially neighboring properties), may neeed to evaluate need to conduct additional work.

Table 8
FESL PROPERTY PRIORITIZATIONS
TIER 1 PROPERTIES
NYSDEC SITE No. 828023

TIER 1 PROPERTIES

NUMBER	STREET	BUILDING	OWNER	TOTAL SCORE	DESCRIPTION OF SCORE	RECOMMENDATION
1740	EMERSON ST	Main building	RAYMOND LECHASE & COMPANY	14	Building characteristics appear to show a low potential for SVI (slab on grade, minor cracking, overhead door, etc). However, building is located over > 5 feet of post 1964 fill material and over the P-1 plume area. Site recon indicated several locations where VOC readings from floor penetrations appear to be attributable to FESL.	1. Design and install a mitigation system. Currently anticipate the need for SSDS for building based on building characteristics (i.e., positive pressurization may be difficult with interior heating units). Additional pressure field testing should be completed to confirm the SSDS influence beneath the building.
575	COLFAX ST	Main building	FIRST STUDENT	9	3 Locations with methane (field meter) above background. One location was electric outlet with subsurface conduit. Some VOC readings above background; however, significant on-site VOC use (petroleum). Building over post 1964 filling but >500 ft. from P-1 Plume. Passive vent system indicated on drawings but preliminary evaluation indicated exhaust piping plugged.	1. Clear vent system piping or excavate and replace blocked portions of piping associated with the existing passive venting system. 2. Evaluate use/effectiveness of the system through pilot testing 3. Activate the system into a sub-slab depressurization system by installing and activating a SSDS fan. In the event the system is deemed to be unusable a 'retro-fitted' sub-slab depressurization system should be installed. Additional pressure field testing should be completed to confirm the SSDS influence on the building.
1769	EMERSON ST	RRF (North)	COUNTY OF MONROE	8	Building characteristics indicate an increased potential for SVI (basement, some cracking, significant floor penetrations). Building is outside of apparent filling limits; however, the P-1 plume area appears to extend beneath the northeast portion of the building (based on current data). The site recon did not idenitfy readings of concern attributable to the FESL.	1. Conduct a detailed preferential pathway evaluation and evaluate building pressurization. 2. Install groundwater monitoring wells in close proximity to the north/northeast corner of the RRF to evaluate groundwater quality in close proximity to the building. 3. Evaluate any dewatering being conducted as part of the foundation drain system (including the TS building as it may be influencing groundwater flow beneath the RRF). (See also TS for additional 1769 Emerson Street recommendations.)
1770	EMERSON ST	Main building	VAMPIRO VENTURES LLC	8	Building condition generally good (only minor floor cracking); however some characteristics would increase potential for SVI (interior forced hot air furnaces, significant floor penetrations). Building approximately 150-ft west and cross gradient of P-1 plume; however, an apparent private sewer pipe may be a preferential pathway to the building. The site recon did not identify VOCs or Methane readings of concern due to FESL. Historic use of building included Hazardous Waste Storage.	1. Install monitoring points (consistent with the 2006 NYSDOH guidance on sub-slab vapor sampling techniques) to initially evaluate building pressure in comparison to the subsurface. In the event that the building is positively pressurized, LaBella recommends monitoring of pressure over time. [Note: Pressure monitoring should be completed during both the heating and cooling seasons.] 2. In the event that the building is not positively pressurized, conduct an SVI investigation consistent with the 2006 NYSDOH guidance. It is recommended that compound specific testing be conducted only for FESL related CVOCs (i.e., PCE, TCE and their breakdown products). The specific number of testing locations should be tailored to building size and footer locations. Currently it appears that three sub-slab soil vapor with three co-located indoor air samples (and one exterior ambient air sample) would adequately assess this building for SVI. The results of this testing (and potentially a second confirmation test) would determine if mitigation is warranted.
1640R	EMERSON ST	Main building	EMERSON STREET LLC (LAIRD PLASTICS INC)	8	Building has some characteristics that would increase the potential for SVI (e.g., significant cracking, interior heating units); however, portions of the building also have a sealed floor. The builidng is within 100-ft. of the P-1 plume; however, LAB-109 (approx. 60 ft. west of building) indicated non-detect in the groundwater sample for VOCs. There may be preferential pathways to the building from the plume.	1. Install monitoring points (consistent with the 2006 NYSDOH guidance on sub-slab vapor sampling techniques) to initially evaluate building pressure in comparison to the subsurface. In the event that the building is positively pressurized, LaBella recommends monitoring of pressure over time. [Note: Pressure monitoring should be completed during both the heating and cooling seasons.] 2. In the event that the building is not positively pressurized, LaBella recommends SVI testing consistent with the 2006 NYSDOH guidance. Based on the extensive groundwater testing completed in relation to the P-1 Plume (refer to Section 5) and the relatively limited list of contaminants attributable to FESL, the testing should be limited to chlorinated VOCs and specifically, PCE, TCE and their breakdown compounds (refer to Section 5.0). The specific number of testing locations should be tailored to building size and footer locations. Currently it appears that three sub-slab soil vapor samples with three co-located indoor air samples (and one exterior ambient air sample) would adequately assess this building for SVI. The results of this testing (and potentially a second confirmation test) would determine if mitigation is warranted.
1645-1685	EMERSON ST	Main building	VAL TECH HOLDINGS INC	7	Building condition would appear to increase potential for SVI (significant floor cracking confirmed to extend through the floor) and building is directly downgradient of P-1 Plume with apparent preferential pahtways from plume to building. However, the building characteristics, speicifically HVAC set up and heat off processes, appears to create a positive pressure within the building. In addition, a passive vent system is in-place beneath the entire building. Follow-up testing of monitoring points installed within the floor in 4 locations indicates a postive pressure differential between the interior and the subsurface.	1. Installation of two monitoring points within the office areas to confirm the positive pressure also is present in these locations. 2. A limited additional evaluation of the HVAC system be completed to ensure that air handling equipment does not have the potential to impact the pressurization periodically (i.e., evaluation of major air handling equipment and CFM readings). 3. Conduct one year of quarterly testing (i.e., 4 complete rounds) to confirm that the building pressurization is maintained throughout seasonal changes and throughout the entire building. In the event that positive building pressure is not observed in the office areas or throughout the course of the quarterly monitoring for both areas, additional work would be recommended (e.g., potentially modifications to the HVAC equipment, installation of additional monitoring wells, SVI investigation or activation of the existing passive system, etc.).
500	LEE RD	Power House	MAGUIRE FAMILY PROPERTIES, LLC	7	Building has characteristics that would increase the potential for SVI (basement, significant penetrations, etc.); however, this building when operating has numerous doors that are continuously open. The building is approximately 150-ft. cross-gradient of the P-1 plume. Due to basement construction, it is anticipated that all fill materials were removed during construction.	Collect water sample from the foundation drain sump to determine the presence or absence of CVOCs related to FESL. Based on the extensive groundwater testing completed in relation to the P-1 Plume (refer to Section 5) and the relatively limited list of contaminants attributable to FESL, the testing should be limited to chlorinated VOCs and specifically, PCE, TCE and their breakdown compounds (refer to Section 5.0). Results of this sample would determine the need for additional evaluation or mitigation of this building, if any.
1769	EMERSON ST	TS (South)	COUNTY OF MONROE	6	Building has characteristics that would increase the potential for SVI (basement, significant cracking, etc.); however, this building when operating has numerous overhead doors that are continuously open due to truck traffic and the main portion of this building is not heated. The overhead doors are positioined (north and south ends of building) such that there is a significant 'cross-breeze' through the building. The P-1 Plume is approximately 120 ft. north, although there may be a potential preferential pathway from storm sewer in close proximity to building. The site recon did not idenitfy readings of concern attributable to the FESL.	Although this building falls within Tier 1, the nature of the operations limits the potential for actual SVI to occur and the continuous open air operations mean the fresh air exchange within the building also minimizes the potential for 'build up' of vapors within the building. As such at this time no further evaluation is recommended in relation to this building (except as it relates to the RRF).
1740	EMERSON ST	Office trailer	RAYMOND LECHASE & COMPANY	5	This building is a trailer that does not have direct contact with the subusrface. There were no readings of concern within the trailer building; however, this building is located over the FESL P-1 plume area.	1. Remove existing trailer skirt and replace with a skirt that will allow air flow beneath the trailer. 2. Insulate the bottom of the trailer.

Notes:
1. As identified in the SVI Investigation Report (Sections 3, 4 & 5), the chlorinated VOC impacts to groundwater that appear attributable to FESL are limited to the P-1 plume. The P-1 plume area (> 5 ppb) is defined on Figure X in the SVI Investigation Report.
2. The post 1964 landfilling operations are discussed in Section 4 of the SVI Investigation Report. The available information suggests that the potential for methane is low south of Emerson Street and this is supported by site specific data.
3. Any site recon meter readings of methane were assumed to be from the FESL unless a more likely source (such as sewer gas when testing a floor drain) was present. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
4. Site recon meter readings for VOCs were evaluated by determining background levels due to operations in the area and only VOC levels above background were identified as potentially due to FESL. In the event an on-site source was likely and the readings were not in proximity to the P-1 plume (building within 100-ft. of P-1 plume), then the reading was attributed to an on-site source. Refer to Property Summaries (Appendix 14) of the SVI Investigation Report.
5. For site where "No Further Evaluation" is recommended; should additional data become available (e.g., information generated during additional work (especially neighboring properties), may neeed to evaluate need to conduct additional work.

Table 7
FESL Property Prioritization Spreadsheet
with All Prioritization Factor Scores

						Use Factors		Building Construction & Condition Factors							Building Location Factors		Site Recon	
									LOWEST FLOOR SLAB CONDITIONS/CONSTRUCTION						LOCATION OF BUILDING ON LANDFILL		SITE RECONNAISSANCE METER READINGS	
	NUMBER	STREET	BUILDING	OWNER	TOTAL SCORE	BUILDING USE	BUILDING OCCUPANCY	SUB-SLAB SYSTEM	Slab Condition	Sealing of Floor Slab	General Penetrations	Significant Penetrations	Lowest Floor Slab Type	HVAC	Documented Fill Areas	FESL CVOC Areas	VOC Readings Presumed to be Attributable to FESL	Methane Readings
TIER 1	1740	EMERSON ST	Main building	RAYMOND LECHASE & COMPANY	14	0	1	0	1	0	0	0	0	0	3	3	3	3
	575	COLFAX ST	Main building	FIRST STUDENT	9	0	3	-4	2	0	1	1	0	0	3	-2	0	5
	1769	EMERSON ST	RRF (North)	COUNTY OF MONROE	8	1	1	0	2	0	0	2	3	0	-3	3	0	-1
	1770	EMERSON ST	Main building	VAMPIRO VENTURES LLC	8	1	1	0	1	0	1	2	0	0	2	1	0	-1
	1640R	EMERSON ST	Main building	EMERSON STREET LLC (LAIRD PLASTICS INC)	8	0	1	0	3	-1	1	0	0	0	3	1	1	-1
	1645-1685	EMERSON ST	Main building	VAL TECH HOLDINGS INC	7	0	2	-4	3	-1	1	1	0	0	0	1	5	-1
	500	LEE RD	Power House	MAGUIRE FAMILY PROPERTIES INC	7	0	1	0	1	0	1	2	3	0	2	-2	0	-1
	1769	EMERSON ST	TS (South)	COUNTY OF MONROE	6	1	1	0	3	0	0	1	3	0	-3	1	0	-1
	1740	EMERSON ST	Office trailer	RAYMOND LECHASE & COMPANY	5	1	1	0	-1	0	0	0	0	0	3	2	0	-1
TIER 2	655	COLFAX ST	South building	CITY OF ROCHESTER (EDISON TECH)	4	3	3	0	4	0	1	2	3	-4	-3	-4	0	-1
	1335	EMERSON ST	Eastern building	AGIR LLC	4	0	1	0	2	0	0	1	3	0	0	-2	0	-1
	535	COLFAX ST	Main building	525 LEE ROAD LLC	4	0	1	0	2	0	1	0	0	0	3	-2	0	-1
	655	COLFAX ST	North building	CITY OF ROCHESTER (EDISON TECH)	2	3	3	0	4	0	0	1	3	-4	-3	-4	0	-1
	395	COLFAX ST	Main building	COLFAX STREET PROEPRTIES LP (DECAROLIS)	2	0	1	0	2	0	1	1	0	0	0	-2	0	-1
	1385	EMERSON ST	Main building	INVOFAB INDUSTRIES INC	2	0	2	0	2	-1	1	1	0	0	0	-2	0	-1
	1425	EMERSON ST	Main building	PEKO PRECISION PRODUCTS INC	2	0	2	0	2	-1	0	2	0	0	0	-2	0	-1
	1444	EMERSON ST	Main building	AUSTIN FAMILY/EMERSON LLC	2	0	1	0	2	-1	0	0	0	0	3	-2	0	-1
	1769	EMERSON ST	MCRC (West)	COUNTY OF MONROE	1	1	1	0	3	0	0	2	0	0	-3	-2	0	-1
	145	COLFAX ST	Main building	COLFAX STREET PROPERTIES LP (DECAROLIS)	1	1	1	0	1	0	0	1	0	0	0	-2	0	-1
	1575	EMERSON ST	Main building	YELLOW FREIGHT SYSTEMS INC	1	0	1	0	2	0	0	1	0	0	0	-2	0	-1
	1335	EMERSON ST	Main building	AGIR LLC	1	0	1	0	2	0	0	1	0	0	0	-2	0	-1
TIER 3	305	COLFAX ST	Main building	GENIE MANUFACTURING CORPORATION	0	0	1	0	1	0	0	1	0	0	0	-2	0	-1
	1570	EMERSON ST	Main building	MASTRODONATO ANDREW A	0	0	1	0	1	-2	0	0	0	0	3	-2	0	-1
	110-210	COLFAX ST	Main building garage	CITY OF ROCHESTER	0	-1	3	0	2	0	-1	0	0	0	0	-2	0	-1
	1525	EMERSON ST	Main building	1770-1780 EAST RIDGE ROAD INC. (Pheonix Graphics)	-1	0	1	0	1	-1	1	0	0	0	0	-2	0	-1
	105	VANGUARD PKWY	Main building	KLEIN STEEL SERVICES	-1	0	3	-1	1	-1	1	1	0	0	-3	-1	0	-1
	351	COLFAX ST	Main building	COLFAX STREET PROEPRTIES LP (DECAROLIS)	-1	0	1	-2	2	-1	1	1	0	0	0	-2	0	-1
	1365	EMERSON ST	Main building	STEINEBACH CHRISTIAN C &	-1	0	1	0	1	-1	0	1	0	0	0	-2	0	-1
	1560	EMERSON ST	Main building	DPI COMMERCIAL REAL ESTATE LLC	-1	0	1	-2	1	-1	-1	1	0	0	3	-2	0	-1
	110-210	COLFAX ST	Main building office	CITY OF ROCHESTER	-1	1	1	0	1	-1	0	0	0	0	0	-2	0	-1
	1455-1465	EMERSON ST	Main building	COLFAX STREET PROPERTIES LP (DECAROLIS)	-1	0	1	0	1	-1	1	0	0	0	0	-2	0	-1
	500	LEE RD	Main building	MAGUIRE FAMILY PROPERTIES INC	-2	0	3	0	1	-1	1	2	0	0	-3	-4	0	-1
	1520	EMERSON ST	Main building	EMERSON 1520 LLC (SERVPRO)	-2	0	-3	0	2	0	-1	0	0	0	3	-2	0	-1
	655	COLFAX ST	Former Service Station	CITY OF ROCHESTER (EDISON TECH)	-3	3	0	0	1	0	0	1	0	0	-3	-4	0	-1
	55	VANGUARD PKWY	Main building	VANGUARD PARKWAY LLC (XLI CORPORATION)	-3	0	2	-2	1	-1	1	1	0	0	-3	-1	0	-1
	1555	EMERSON ST	Main building	GBH FAMILY CORP	-3	1	1	-2	1	-1	0	0	0	0	0	-2	0	-1
	1580	EMERSON ST	Main building	MASTRODONATO ANDREW A	-3	0	1	-4	1	-1	0	0	0	0	3	-2	0	-1
	110-210	COLFAX ST	Impound lot trailer	CITY OF ROCHESTER	-3	1	1	0	-1	0	-1	0	0	0	0	-2	0	-1
	200	FERRANO ST	Main building	FLOWER CITY TRANSFER INC	-4	0	1	0	1	-1	0	1	0	0	-3	-2	0	-1
	456	LEE RD	Main building	LEVA FAMILY PROPERTIES LLC	-4	0	1	0	1	0	0	0	0	0	-3	-2	0	-1
PROPERTIES WITHOUT ACCESS																		
	225	COLFAX ST	Main building	BLOOMFIELD DEVELOPMENT INC														
VACANT LAND																		
	333-337	COLFAX ST	Undeveloped	COLFAX STREET PROEPRTIES LP (DECAROLIS)														
	361	COLFAX ST	Undeveloped	COLFAX STREET PROEPRTIES LP (DECAROLIS)														
	400	FERRANO ST	Undeveloped	COLFAX STREET PROPERTIES LP (DECAROLIS)														
	1181	EMERSON ST	Undeveloped	CITY OF ROCHESTER														
	1345	EMERSON ST	Undeveloped	CITY OF ROCHESTER														
	1635	LEXINGTON AVE	Undeveloped	CITY OF ROCHESTER														
	1655	LEXINGTON AVE	Undeveloped	CITY OF ROCHESTER														
	1660	EMERSON ST	Undeveloped	CITY OF ROCHESTER														
	60	MCCRACKANVILLE ST	Undeveloped	CITY OF ROCHESTER														
	180	FERRANO ST	Undeveloped	FLOWER CITY TRANSFER INC														
BUILDINGS NOT DESIGNED FOR CONTINUOUS HUMAN OCCUPANCY																		
	480	FERRANO ST	ALL Buildings (5)	AMERICAN TOWER SYSTEMS LP														
	110-210	COLFAX ST	Pole barn	CITY OF ROCHESTER														
	1727-1755	EMERSON ST	Main building	ROCH GAS & ELECTRIC CORP														
	1335	EMERSON ST	Southern building (Shed)	AGIR LLC														
BUILDING WITH SSDS IN PLACE & ACTIVE																		
	1770	EMERSON ST	New building	VAMPIRO VENTURES LLC														
	330	COLFAX ST	Main building	CITY OF ROCHESTER														

Notes:

1. Columns Derived from Property Prioritization Worksheet B

- Denotes "Recommend: Design & Install a Mitigation System" based on Property Prioritization Worksheet A
- Denotes Access Not Obtained
- Denotes "No Further Evaluation" based on Property Prioritization Worksheet A

Table 6
Summary of Rock Quality Designation Values

Test Boring/ Well Number:	LAB-101		LAB-102		LAB-103		LAB-104		LAB-105		LAB-106		LAB-107		LAB-108		LAB-109		GW-7R	
Run No.	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)	Depth (ft)	RQD (%)
1	8.5-13.5	**42**	11.5-21.5	**36**	9.1-10.1	**0**	14.0-24.0	**35**	no core taken		10.5-15.5	**92**	19.0-29.0	**70**	15.0-25.0	**60**	22.0-26.5	**7**	9.0 - 14.0	**0**
2	13.5-18.5	**90**	na	na	10.4-14.1	**43**	na	na			15.5-20.5	**98**	na	na	na	na	na	na	14.0 - 19.0	**13**
3	18.5 - 23.5	**94**	na	na	14.1-19.1	**62**	na	na			20.5-25.5	**94**	na	na	na	na	na	na	na	na
4	na	na	na	na	19.1-24.0	**72**	na	na			25.5-30.5	**94**	na	na	na	na	na	na	na	na

Notes:
1. RQD values represent the percent of rock core pieces equal to or greater than 4 inches in length, expressed as a percent of the total run length.

Table 5
FESL Well Inventory and Depths to Water
12/8/2010 & 12/9/2010

Monitoring Well ID	Northing (feet) - NAD83 NYSP West	Easting (feet) - NAD83 NYSP West	Top Riser Elev (feet) - NAVD29	Depth to Water (feet)	Water Surface Elev (feet) NAVD29	Flush Mount / Stick-up	Notes:
GMX-MW-1	1158232.33	1389893.53	545.20	26.00	519.20	Stick-up	-
GMX-MW-2	1159145.17	1390456.82	544.60	25.43	519.17	Stick-up	-
GMX-MW-3	1158226.69	1390477.90	546.69	26.83	519.86	Stick-up	-
GMX-MW-4	1158722.12	1390407.46	548.33	27.83	520.50	Stick-up	-
GMX-MW-5	1158236.14	1390562.23	542.15	22.35	519.80	Stick-up	-
GMX-MW-6D	1157829.59	1390358.32	538.60	21.96	516.64	Stick-up	no lock
GMX-MW-6S	1157829.59	1390358.32	538.29	21.78	516.51	Stick-up	no lock
GW-4	1159389.00	1389150.00	538.11	7.33	530.78	Stick-up	no lock
GW-5	1159628.00	1390507.00	529.70	9.15	520.55	Stick-up	no lock
GW-7R	1158270.52	1391958.89	530.99	10.19	520.80	Flush Mount	Replacement Well
GW-6	1158841.62	1391922.27	531.72	14.99	516.73	Stick-up	no lock
GW-9	1157117.90	1392069.58	536.58	21.00	515.58	Flush Mount	-
Klein Steel Well	1156585.38	1390088.59	529.97	24.22	505.75	Flush Mount	slight sulfur odor
LAB-101	1157394.71	1390207.19	536.98	8.44	528.54	Flush Mount	
LAB-102	1157826.96	1391937.49	530.43	9.45	520.98	Flush Mount	-
LAB-103	1157730.63	1390834.54	535.99	11.19	524.80	Flush Mount	-
LAB-104	1157733.13	1390521.03	534.28	18.10	516.18	Flush Mount	-
LAB-105	1158279.02	1391197.09	548.44	21.91	526.53	Stick-up	-
LAB-106	1157727.37	1389789.00	539.08	25.02	514.06	Flush Mount	-
LAB-107	1157792.87	1391339.53	538.63	18.39	520.24	Flush Mount	-
LAB-108	1156558.06	1392047.57	533.20	19.92	513.28	Flush Mount	-
LAB-109	1157920.38	1390621.97	540.08	21.53	518.55	Flush Mount	
MW-14D	1158782.00	1389794.00	536.91	15.77	521.14	Stick-up	no lock, no cap
MW-14S	1158766.00	1389794.00	536.35	12.59	523.76	Stick-up	no lock, no cap
DEC WELL MW-20	1157136.00	1389263.00	532.47	31.17	501.30	Flush Mount	41' depth of well, methane/sulfur odor, >65% headspace methane reading, no product in bailer)
MW-15S	1157142.00	1389260.00	532.53	24.30	508.23	Flush Mount	slight methane/sulfur odor
MW-15D	1157136.00	1389263.00	532.47	NC	NC	Flush Mount	sulfur odor, >65% headspace methane reading
MW-16D	1159035.00	1391232.00	546.13	25.78	520.35	Stick-up	no lock, no cap
MW-16S	1159040.00	1391232.00	546.13	25.62	520.51	Stick-up	no lock
MW-17	1159454.91	1391902.53	528.17	11.87	516.30	Stick-up	no lock
MW-18D	1158298.00	1392239.00	534.13	17.03	517.10	Stick-up	no lock
MW-18S	1158298.00	1392234.00	534.34	7.40	526.94	Stick-up	no lock
MW-19	1156288.00	1391971.00	532.90	6.05	526.85	Stick-up	-
P-1	1158690.00	1390186.00	547.23	24.55	522.68	Stick-up	-
P-4	1157404.39	1391864.83	534.21	5.77	528.44	Stick-up	-
P-5	1156517.00	1392509.00	535.59	6.57	529.02	Stick-up	-
MW-5	1156920.25	1392486.62	-	-	-	Flush Mount	Wells unable to be located due to excessive snow/ice on driveway
MW-6	1156917.91	1392415.97	-	-	-	Flush Mount	
MW-7	1156876.11	1392458.93	-	-	-	Flush Mount	
MW-8	1156886.81	1392414.68	-	-	-	Flush Mount	
MW-9	1156927.03	1392460.30	-	-	-	Flush Mount	
Existing MW-16 Found	1156443.08	1389758.41	530.74	26.06	504.68	Stick-up	no lock
DEC-MW-18	1156335.32	1390671.59	533.05	28.24	504.81	Stick-up	57.0' depth of well

NC - indicates Not Collected (Water Level Meter malfunctioned possibly due to methane gas interference.

Former Emerson Street Landfil
Rochester, New York

Table 4
Monitoring Well Construction Summary

		Test Boring			Well Construction							
							Screen or Open Rock Interval					
Well I.D.	Installed By/Year	Surface Elevation (NGVD Datum)	Depth to Bedrock[1] (ft bgs)	Total Depth of Boring (ft bgs)	Top of Riser (fmsl)	Depth of Well (ft bgs)	Elevation (fmsl)	Depth (ft bgs)	Length of Monitoring Interval (ft)	Well Type	Formation Screened	Remarks
Newly-Installed Wells												
LAB-101	LaBella (2010)	537.42	6.4	23.5	536.98	23.5	528.9 - 513.9	8.5 - 23.5	15.0	BR	Lockport	
LAB-102	LaBella (2010)	530.71	5.0	21.5	530.43	21.5	519.2 - 509.2	11.5 - 21.5	10.0	BR	Lockport	
LAB-103	LaBella (2010)	536.45	6.5	24.0	535.99	24.0	527.3 - 512.4	9.1 - 24.0	14.9	BR	Lockport	
LAB-104	LaBella (2010)	534.60	12.2	24.0	534.28	24.0	520.6 - 510.6	14.0 - 24.0	10.0	BR	Lockport	
LAB-105	LaBella (2010)	546.05	27.0	30.0	548.44	27.7	532.2 - 516.1	13.9 - 30	16.1	INT	Fill/Lockport	
LAB-106	LaBella (2010)	539.66	8.5	30.5	539.08	30.5	529.2 - 509.2	10.5 - 30.5	20.0	BR	Lockport	
LAB-107	LaBella (2010)	538.91	16.0	29.0	538.63	29.0	519.9 - 509.9	19.0 - 29.0	10.0	BR	Lockport	
LAB-108	LaBella (2010)	533.46	13.0	25.0	533.20	25.0	518.5 - 508.5	15.0 - 25.0	10.0	BR	Lockport	
LAB-109	LaBella (2010)	540.36	20.2	26.5	540.08	27.0	530.36-513.36	10.0 - 27.0	15.0	INT	Fill/Lockport	
Previously-Installed Wells												
GMX-MW-1	Geomatrix (2000)	543.84	18.0	29.0	545.20	29.0	524.8 - 514.8	19.0 - 29.0	10.0	BR	Lockport	
GMX-MW-2	Geomatrix (2000)	542.31	24.0	36.0	544.60	35.0	517.3 - 507.3	25.0 - 35.0	10.0	BR	Lockport	
GMX-MW-3	Geomatrix (2000)	543.89	18.5	30.5	546.69	29.0	524.8 - 514.8	19.0 - 29.0	10.0	BR	Lockport	
GMX-MW-4	Geomatrix (2000)	545.70	24.5	35.0	548.33	35.0	519.7 - 510.7	26.0 - 35.0	9.0	BR	Lockport	
GMX-MW-5	Geomatrix (2000)	539.40	16.5	31.0	542.15	31.0	518.4 - 508.4	21.0 - 31.0	10.0	BR	Lockport	
GMX-MW-6S	Geomatrix (2000)	536.26	12.0	42.0	538.29	23.0	518.3 - 513.3	18.0 - 23.0	5.0	BR	Lockport	
GMX-MW-6D	Geomatrix (2000)	536.26	12.0	42.0	538.60	42.0	499.3 - 494.3	37.0 - 42.0	5.0	BR	Lockport/Rochester	
P-1	RECRA (1989)	545.27	24.5	33.5	547.23	33.5	521.8 - 511.8	23.5 - 33.5	10.0	INT	Fill/Lockport	
~~P-2~~	~~RECRA (1989)~~	~~535.41~~	~~13.5~~	~~23.5~~	~~537.65~~	~~23.5~~	~~521.9 - 511.9~~	~~13.5 - 23.5~~	~~10.0~~	~~INT~~	~~Lockport~~	Destroyed/Lost
~~P-3~~	~~RECRA (1989)~~	~~541.41~~	~~15.0~~	~~30.5~~	~~543.64~~	~~30.5~~	~~520.9 - 510.9~~	~~20.5 - 30.5~~	~~10.0~~	~~BR~~	~~Lockport~~	Destroyed/Lost
P-4	RECRA (1989)	532.38	6.0	16.0	534.29	16.0	526.4 - 516.4	6.0 - 16.0	10.0	INT	silty Sand/Lockport	
P-5	RECRA (1989)	533.79	11.0	16.0	535.59	16.0	527.8 - 517.8	11.0 - 16.0	10.0	INT	silty Sand/Lockport	
~~GW-1~~	~~RECRA (1989)~~	~~534.46~~	~~10.0~~	~~29.0~~	~~535.93~~	~~28.0~~	~~516.5 - 506.5~~	~~13.0 - 23.0~~	~~10.0~~	~~BR~~	~~Lockport~~	Destroyed/Lost
~~GW-2~~	~~RECRA (1989)~~	~~533.88~~	~~7.5~~	~~28.0~~	~~532.80~~	~~28.0~~	~~521.4 - 505.9~~	~~12.5 - 28.0~~	~~15.5~~	~~BR~~	~~Lockport~~	Destroyed/Lost
~~GW-3~~	~~RECRA (1989)~~	~~540.75~~	~~13.2~~	~~18.5~~	~~542.86~~	~~17.0~~	~~533.8 - 523.8~~	~~7.0 - 17.0~~	~~10.0~~	~~INT~~	~~Si/Sa/Rochester~~	Destroyed/Lost
GW-4	RECRA (1989)	536.53	8.5	20.0	538.11	18.5	523.1 - 518.1	13.5 - 18.5	5.0	BR	Rochester	
GW-5	RECRA (1989)	527.92	9.0	21.5	529.70	21.0	516.9 - 506.9	11.0 - 21.0	10.0	BR	Rochester	
GW-6	RECRA (1989)	530.80	9.0	23.7	531.69	23.0	522.8 - 507.8	8.0 - 23.0	15.0	INT	silty Sand/Lockport	
~~GW-7~~	~~RECRA (1989)~~	~~532.44~~	~~9.0~~	~~19.5~~	~~532.30~~	~~18.5~~	~~523.9 - 513.9~~	~~8.5 - 18.5~~	~~10.0~~	~~INT~~	~~Silt/Sand/Lockport~~	Decommissioned/Replaced
GW-7R	LaBella 2010	531.30	7.0	19.0	530.99	19.0	522.3 - 512.3	9.0 - 19.0	10.0	INT	Silt/Sand/Lockport	Replacement
~~GW-8S~~	~~RECRA (1989)~~	~~527.90~~	~~7.0~~	~~12.0~~	~~na~~	~~11.0~~	~~520.9 - 516.9~~	~~7.0 - 11.0~~	~~4.0~~	~~INT~~	~~Sand/Lockport~~	Destroyed/Lost
~~GW-8D~~	~~RECRA (1989)~~	~~528.33~~	~~7.0~~	~~24.0~~	~~na~~	~~24.0~~	~~514.3 - 504.3~~	~~14.0 - 24.0~~	~~10.0~~	~~BR~~	~~Lockport~~	Destroyed/Lost
GW-9	RECRA (1989)	531.85		27.0	536.58	25.0	521.9 - 506.9	10.0 - 25.0	15.0	BR	Lockport	
~~GW-10S~~	~~RECRA (1989)~~	~~530.86~~	~~5.0~~	~~13.0~~	~~532.65~~	~~11.0~~	~~524.9 - 519.9~~	~~6.0 - 11.0~~	~~5.0~~	~~INT~~	~~Sa/Si/Cl/Lockport~~	Destroyed/Lost
~~GW-10D~~	~~RECRA (1989)~~	~~530.98~~	~~8.0~~	~~24.0~~	~~533.03~~	~~24.0~~	~~517.0 - 507.0~~	~~14.0 - 24.0~~	~~10.0~~	~~BR~~	~~Lockport~~	Destroyed/Lost
GW-11	RECRA (1989)	531.78	5.0	15.0	533.53	15.0	526.8 - 516.8	5.0 - 15.0	10.0	INT	Fill/Lockport	
~~GW-12~~	~~RECRA (1989)~~	~~543.19~~	~~24.5~~	~~32.0~~	~~544.93~~	~~32.0~~	~~521.2 - 511.2~~	~~22.0 - 32.0~~	~~10.0~~	~~INT~~	~~Fill/Rochester~~	Destroyed/Lost
~~GW-13~~	~~RECRA (1989)~~	~~543.61~~	~~21.2~~	~~29.8~~	~~544.92~~	~~29.8~~	~~523.8 - 513.8~~	~~19.8 - 29.8~~	~~10.0~~	~~INT~~	~~Fill/Rochester~~	Destroyed/Lost
MW-14S	H&A (1993)	534.61	11.5	20.5	536.35	20.3	524.5 - 514.3	10.1 - 20.3	10.2	INT	Fill/Lockport	
MW-14D	H&A (1993)	534.81	11.5	32.5	536.91	32.5	512.3 - 502.3	22.5 - 32.5	10.0	BR	Lockport	
MW-15S	H&A (1993)	532.81	8.5	31.0	532.53	31.0	517.8 - 501.8	15.0 - 31.0	16.0	BR	Lockport	
MW-15D	H&A (1993)	532.53	8.5	40.4	532.47	40.4	499.6 - 492.2	32.9 - 40.3	7.4	BR	Rochester	
MW-16S	H&A (1993)	544.02	22.2	35.0	546.13	34.8	519.5 - 509.2	24.5 - 34.8	10.3	BR	Lockport	
MW-16D	H&A (1993)	544.20	22.2	45.0	546.13	45.0	507.2 - 499.2	37.0 - 45.0	8.0	BR	Lockport	
MW-17	H&A (1993)	526.47	5.5	25.0	528.14	25.0	516.3 - 501.3	17.0 - 25.0	8.0	BR	Rochester	
MW-18S	H&A (1993)	531.84	7.8	17.7	534.34	17.6	524.3 - 514.2	7.6 - 17.6	10.1	INT	Till/Lockpt/Roch.	
MW-18D	H&A (1993)	531.96	7.8	29.8	534.13	29.8	511.7 - 502.2	20.3 - 29.8	9.5	BR	Rochester	
MW-19	H&A (1993)	530.97	10.0	21.5	532.90	19.0	522.0 - 512.0	9.0 - 19.0	10.0	INT	Till/Rochester	
DEC-MW-20	DEC/URS (2000)	532.35	7.7	52.2	534.50	52.2	490.1 - 480.1	42.2 - 52.2	10.0	BR	Rochester	
Peko Site (110 Colfax)												
MW-5 (Peko)	LaBella (2006)	NA	12.6	12.6	NA	12.0	NA	5.0 - 12.0	7.0	OB	Fill/Glacial Till?	
MW-6 (Peko)	LaBella (2006)	NA	12.4	12.4	NA	10.5	NA	3.5 - 10.5	7.0	OB	Fill/Glacial Till?	
MW-7 (Peko)	LaBella (2006)	NA	12.2	12.2	NA	11.5	NA	4.5 - 11.5	7.0	OB	Fill/Glacial Till?	
MW-8 (Peko)	LaBella (2006)	NA	13.3	13.3	NA	12.4	NA	5.4 - 12.4	7.0	OB	Fill/Glacial Till?	
MW-9 (Peko)	LaBella (2006)	NA	14.4	14.4	NA	10.5	NA	3.5 - 10.5	7.0	OB	Fill/Glacial Till?	

Notes:
1. Depth to Top of Rock based on split spoon or auger refusal
2 Wells that are crossed out are no longer accessible or are presumed to be destroyed
3. Abbreviations:
- fmsl = feet mean sea level (NGVD '29 Datum)
- ft bgs = feet below ground surface
"--" = not determined

Former Emerson Street Landfill
Soil Vapor Intrusion Mitigation Investigation

Table 3

Groundwater Analytical Results
Sampling Events: July, August, October, December 2010

Sample ID:	Part 703 Groundwater Standards (ug/L)	GMX-MW-1	GMX-MW-2	GMX-MW-3	GMX-MW-4	GMX-MW-5	GMX-MW-6S	GMX-MW-6D	P-5	MW-7	MW-5	GW-5	P-1	GW-6	MW-17	MW-16S	MW-16D
Lab Sample Number:		B2986-01	B2986-02	B2986-03	B2986-04	B2986-05	B2986-17	B2986-18	B2986-08	B2986-09	B2986-10	B2986-11	B2986-12	B3444-01	B3444-02	B3444-08	B3444-09
Sample Collection Date:		July 14, 2010	July 13, 2010	July 13, 2010	July 13, 2010	July 13, 2010	July 13, 2010	July 14, 2010	July 14, 2010	July 14, 2010	July 14, 2010	July 14, 2010	July 14, 2010	August 26, 2010	August 26, 2010	August 26, 2010	August 26, 2010
Dilution Factor:		1	1	1 & 20	1	1	1	1 & 20	1	1	1	1	1, 200 & 1000	1	1	1	1
Chlorinated VOCs																	
1,1,1-Trichloroethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Tetrachloroethene	5.0	<1 U	<1 U	1.9	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5200 D	<1 U	<1 U	<1 U	<1 U
Trichloroethene	5.0	5.5	<1 U	1.5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3200 D	<1 U	<1 U	<1 U	<1 U
cis-1,2-Dichloroethene	5.0	3.4	<1 U	870 D	<1 U	2.4	1.3	<1 U	<1 U	<1 U	<1 U	<1 U	24000 D	<1 U	<1 U	<1 U	<1 U
trans-1,2-Dichloroethene	5.0	<1 U	<1 U	17	<1 U	<1 U	1.2	<1 U	<1 U	<1 U	<1 U	<1 U	77	<1 U	<1 U	<1 U	<1 U
Vinyl Chloride	2.0	<1 U	<1 U	930 D	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1400 D	<1 U	<1 U	<1 U	<1 U
1,1-Dichloroethane	5.0	<1 U	2.2	50	1.5	2.7	13	<1 U	<1 U	<1 U	<1 U	<1 U	67	<1 U	<1 U	<1 U	1.1
1,1-Dichloroethene	5.0	<1 U	<1 U	5.2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	44	<1 U	<1 U	<1 U	<1 U
Chloroethane	5.0	<1 U	<1 U	160 D	<1 U	3.5	74	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloromethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.6 J	1.2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal Chlorinated VOCs		**8.9**	**2.2**	**2,035.6**	**1.5**	**8.6**	**89.5**	**0.0**	**0.0**	**0.6**	**1.2**	**0.0**	**33,988.0**	**0.0**	**0.0**	**0.0**	**1.1**
Petroleum Related VOCs																	
Benzene	1.0	<1 U	<1 U	20	<1 U	<1 U	3.2	520 D	<1 U	<1 U	<1 U	<1 U	6.2	<1 U	<1 U	<1 U	<1 U
Toluene	5.0	<1 U	<1 U	24	<1 U	<1 U	<1 U	300 D	<1 U	<1 U	<1 U	<1 U	13	<1 U	<1 U	<1 U	<1 U
Ethyl Benzene	5.0	<1 U	<1 U	5.8	<1 U	<1 U	<1 U	19	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
m/p-Xylenes	5.0	<2 U	<2 U	15	<2 U	<2 U	<2 U	130	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
o-Xylene	5.0	<1 U	<1 U	11	<1 U	<1 U	<1 U	36	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal BTEX		**0.0**	**0.0**	**75.8**	**0.0**	**0.0**	**3.2**	**1,005.0**	**0.0**	**0.0**	**0.0**	**0.0**	**19.2**	**0.0**	**0.0**	**0.0**	**0.0**
Methyl tert-butyl Ether	10.0	<1 U	<1 U	140 D	<1 U	<1 U	54	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
2-Butanone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	21	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Carbon Disulfide	60.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.4	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Cyclohexane	Not Listed	<1 U	<1 U	5.3	<1 U	<1 U	<1 U	85	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Methylcyclohexane	Not Listed	<1 U	<1 U	8.5	<1 U	<1 U	<1 U	42	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Acetone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	330	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
1,1,2-Trichlorotrifluoroethane	5.0	<1 U	<1 U	18	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-Trichlorobenzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Isopropylbenzene	5.0	<1 U	<1 U	3.3	<1 U	<1 U	<1 U	1.5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal Other VOCs		**0.0**	**0.0**	**175.1**	**0.0**	**0.0**	**54.0**	**485.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Total VOCs		**8.9**	**2.2**	**2,286.5**	**1.5**	**8.6**	**146.7**	**1,490.9**	**0.0**	**0.6**	**1.2**	**0.0**	**34,007.2**	**0.0**	**0.0**	**0.0**	**1.1**
Final Stabilized ORP (mV)		**18**	**-280**	**-202**	**-276**	**-315**	**68**	**-86**	**-162**	**-162**	**-211**	**-112**	**-83**	**-110**	**-130**	**-179**	**-270**
Final Stabilized DO (mg/L)		**8.04**	**0.00**	**0.00**	**0.00**	**0.00**	**NR**	**2.50**	**0.39**	**0.63**	**0.54**	**0.03**	**1.01**	**3.64**	**3.94**	**6.75**	**4.79**

D - Denotes results from initial dilution
D - Denotes results from secondary dilution (dilution factor of 1000)

Former Emerson Street Landfill
Soil Vapor Intrusion Mitigation Investigation

Table 3

Groundwater Analytical Results
Sampling Events: July, August, October, December 2010

Sample ID:	Part 703 Groundwater Standards (ug/L)	LAB-101	LAB-102	LAB-103	LAB-104	LAB-105	LAB-106	LAB-107	LAB-108	LAB-101	P-4	MW-19	GW-9	LAB-109	GW-7R
Lab Sample Number:		B3962-01	B3962-03	B3962-05	B3962-06	B3962-07	B3962-08	B3962-09	B3962-11	B4508-01	B4508-04	B4508-05	B4508-09	B4646-02	B4646-05
Sample Collection Date:		October 20, 2010	October 20, 2010	October 19, 2010	October 20, 2010	October 19, 2010	October 20, 2010	October 19, 2010	October 19, 2010	December 9, 2010	December 9, 2010	December 9, 2010	December 9, 2010	December 29, 2010	December 29, 2010
Dilution Factor:		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorinated VOCs															
1,1,1-Trichloroethane	5.0	<1 U	<1 U	<1 U	1.3	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Tetrachloroethene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Trichloroethene	5.0	<1 U	<1 U	<1 U	1.1	<1 U	0.73 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.8
cis-1,2-Dichloroethene	5.0	1	<1 U	1.2	2.2	<1 U	1.1	<1 U	<1 U	<1 U	<1 U	<1 U	45	<1 U	53
trans-1,2-Dichloroethene	5.0	<1 U	<1 U	<1 U	1.7	<1 U	1.5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.8
Vinyl Chloride	2.0	<1 U	<1 U	1.3	3.8	<1 U	2.1	<1 U	<1 U	<1 U	<1 U	<1 U	67	<1 U	11
1,1-Dichloroethane	5.0	<1 U	<1 U	<1 U	45	<1 U	38	<1 U	<1 U	<1 U	<1 U	<1 U	3.8	<1 U	<1 U
1,1-Dichloroethene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloroethane	5.0	<1 U	<1 U	<1 U	11	<1 U	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloromethane	5.0	<1 U	1.9	<1 U	<1 U	<1 U	<1 U	1.6	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal Chlorinated VOCs		**1.0**	**1.9**	**2.5**	**66.1**	**0.0**	**48.4**	**1.6**	**0.0**	**0.0**	**0.0**	**0.0**	**115.8**	**0.0**	**70.6**
Petroleum Related VOCs															
Benzene	1.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Toluene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Ethyl Benzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
m/p-Xylenes	5.0	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	2.3	<2 U	<2 U	<2 U	<2 U	<2 U
o-Xylene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal BTEX		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Methyl tert-butyl Ether	10.0	<1 U	<1 U	<1 U	1.7	<1 U	0.87 J	<1 U	<1 U	<1 U	<1 U	0.61 J	1.6	<1 U	<1 U
2-Butanone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Carbon Disulfide	60.0	1.2	1.6	2	<1 U	<1 U	<1 U	1.3	1.9	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Cyclohexane	Not Listed	<1 U	<1 U	<1 U	0.73 J	<1 U	0.72 J	<1 U	<1 U	2.4	<1 U	<1 U	<1 U	<1 U	<1 U
Methylcyclohexane	Not Listed	<1 U	<1 U	<1 U	1.2	<1 U	0.67 J	<1 U	0.82 J	5.5	<1 U	<1 U	<1 U	<1 U	<1 U
Acetone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	3.4 J	<5 U	<5 U	<5 U	<5 U
1,1,2-Trichlorotrifluoroethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-Trichlorobenzene	5.0	<1 U	<1 U	<1 U	1.2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Isopropylbenzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
	Subtotal Other VOCs	**1.2**	**1.6**	**2.0**	**4.8**	**0.0**	**2.3**	**1.3**	**2.7**	**7.9**	**3.4**	**0.6**	**1.6**	**0.0**	**0.0**
	Total VOCs	**2.2**	**3.5**	**4.5**	**70.9**	**0.0**	**50.7**	**2.9**	**2.7**	**10.2**	**3.4**	**0.6**	**117.4**	**0.0**	**70.6**
Final Stabilized ORP (mV)		**-253**	**-322**	**-179**	**-319**	**-296**	**-300**	**-245**	**-362**	**-110**	**34**	**-128**	**-89**	**-167**	**-21**
Final Stabilized DO (mg/L)		**7.09**	**5.98**	**9.35**	**5.83**	**8.09**	**7.16**	**7.80**	**6.96**	**1.24**	**2.37**	**1.84**	**1.83**	**2.11**	**3.14**

D - Denotes results from initial dilution
D - Denotes results from secondary dilution (dilution factor of 100

Former Emerson Street Landfill
Soil Vapor Intrusion Mitigation Investigation

Table 3

Groundwater Analytical Results
Sampling Events: July, August, October, December 2010

		QA/QC Samples																	
Sample ID:	Part 703 Groundwater Standards (ug/L)	DUP-1 (P-1)	TRIPBLANK	RB-1 (GMX-MW-2)	RB08262010 (MW-17)	FB08262010 (MW-16S)	DUP08262010 (GW-6)	TRIPBLANK	RB-1 (LAB-101)	DUP-1 (LAB-102)	FB-1 (LAB-107)	BLIND DUPLICATE (LAB-101)	RINSATE (LAB-101)	FIELDBLANK	TRIPBLANK	TRIPBLANK	BLIND DUPLICATE (GW-7R)	FIELD DUPLICATE (LAB-109)	RINSATE (LAB-109)
Lab Sample Number:		B2986-13	B2986-15	B2986-16	B3444-05	B3444-06	B3444-07	B3444-10	B3962-02	B3962-04	B3962-10	B4508-02	B4508-03	B4508-08	B4508-10	B3962-04	B3962-10	B4508-02	B4508-03
Sample Collection Date:		July 14, 2010	July 14, 2010	July 13, 2010	August 26, 2010	August 26, 2010	August 26, 2010	August 23, 2010	October 20, 2010	October 19, 2010	October 19, 2010	December 9, 2010	December 9, 2010	December 9, 2010	December 9, 2010	December 29, 2010	December 29, 2010	December 29, 2010	December 29, 2010
Dilution Factor:		1, 200 & 1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorinated VOCs																			
1,1,1-Trichloroethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Tetrachloroethene	5.0	7200 D	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Trichloroethene	5.0	3900 D	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.7	<1 U
cis-1,2-Dichloroethene	5.0	25000 D	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	53	<1 U
trans-1,2-Dichloroethene	5.0	76	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.9	<1 U
Vinyl Chloride	2.0	1800 D	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	11	<1 U
1,1-Dichloroethane	5.0	66	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-Dichloroethene	5.0	43	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloroethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloromethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.7	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal Chlorinated VOCs		**38,085.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**70.6**	**0.0**
Petroleum Related VOCs																			
Benzene	1.0	6.5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Toluene	5.0	13	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1.1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Ethyl Benzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
m/p-Xylenes	5.0	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	2.1	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
o-Xylene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal BTEX		**19.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.1**	**0.0**	**0.0**	**2.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Methyl tert-butyl Ether	10.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
2-Butanone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Carbon Disulfide	60.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Cyclohexane	Not Listed	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Methylcyclohexane	Not Listed	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5.2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Acetone	50.0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	3.3 J	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
1,1,2-Trichlorotrifluoroethane	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-Trichlorobenzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Isopropylbenzene	5.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Subtotal Other VOCs		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**7.3**	**3.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Total VOCs		**38,104.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.1**	**0.0**	**2.7**	**9.4**	**3.3**	**0.0**	**0.0**	**0.0**	**0.0**	**70.6**	**0.0**

D - Denotes results from initial dilution

D - Denotes results from secondary dilution (dilution factor of 1000)

Table 2
Vapor Intrusion Assessment Work Plan: Data Review, Site Screening and Site Prioritization

Summary of Relevant Documents Relating to the Former Emerson Street Landfill

1	Engineering Investigations at Inactive Hazardous Waste sites, Phase II Investigation, Emerson St Landfill, Site No. 828023. Addendum. New York State Department of Environmental Conservation. February 1990.
2	Review of the Emerson St Landfill City of Rochester Phase II Investigation Reports. Malcolm Pirnie. May 1990.
3	Proposed Emerson St Landfill Action Plan. City of Rochester. November 1990.
4	Health & Safety Plan Prepared for City of Rochester, NY, Emerson St Landfill. Sevenson Environmental Services. March 1992.
5	Delisting Petition for Properties Associated with the Former Emerson St Landfill Site. Haley & Aldrich of NY. April 1993.
6	Delisting Petition for the Former Emerson St Landfill Inactive Hazardous Waste Site. City of Rochester. August 1993.
7	Former Emerson Street Landfill Modified Remedial Investigation (Vol 1 through 4). Haley & Aldrich of NY. January 1994.
8	Test Pit and Soil Sampling Program Report, Former Emerson St Landfill. The Sear-Brown Group. May 1995.
9	Delisting Petition for Properties Associated with the Former Emerson Street Landfill Site. Haley & Aldrich of NY, July 1995.
10	Guidance for Waste-Fill Management During site Development, Former Emerson St Landfill. Haley & Aldrich of NY. July 1995.
11	Revision to the Guidance for Waste Fill Management During Site Development, Former Emerson St Landfill. Haley & Aldrich of NY. July 1997.
12	Health & Safety Plan for Site Construction. 1667 Emerson St. Labella Associates. November 1997.
13	Former Emerson Street Landfill, Sub-Slab Ventilation Guidance Document. Haley & Aldrich of New York. May 2000.
14	Former Emerson St Landfill Remedial Investigation Report for City of Rochester Parcels 4, 10, and 11. Labella Associates & Geomatrix Consultants. April 2001.
15	Former Emerson St Landfill Pre-Development Study – City of Rochester Parcels 4, 10. 11. Labella Associates & Geomatrix Consultants. November 2001.
16	Phase I Environmental Site Assessment. Undeveloped Land. 1695-1715 Emerson St. Day Environmental. June 2002.
17	Phase I Environmental Site Assessment, Undeveloped Land, 1695-1715 Emerson St. Day Environmental. October 2002.
18	Delisting Petition for Selected Parcels Associated with the Former Emerson St Landfill Site. Parcels 4 and 10. Labella Associates. December 2002.
19	Environmental Management Plan, 1695-1715 Emerson St (Parcel #2), Former Emerson St Landfill. Day Environmental. January 2003.
20	Fill Sorting Closure Report. Parcel 10A, Former Emerson St Landfill. Day Environmental. September 2004.
21	Phase II ESA Report. Proposed Lechase Facility Expansion, Parcel 10C, Former Emerson St Landfill and Lechase Emerson St Building. Bergmann Associates. February 2007.
22	Phase I Environmental Site Assessment Report. Parcel 10C, Former Emerson St Landfill, 1655 Lexington Ave. Bergmann Associates. February 2007.
23	Limited Phase II ESA Report. Parcel 10C Former Emerson St Landfill. Bergmann Associates. March 2007.
24	Phase I ESA – Portion of 500 Lee Road, Rochester, NY. Day Environmental. November 2007.
25	Former Emerson Street Landfill Sub-Slab Ventilation Guidance Document Update 2007. LaBella Associates. November 2007.
26	City of Rochester Emerson St Landfill Radioactive Waste Remediation Project, Final Report. Sevenson Environmental Services. Date Not Listed.
27	Record of Decision Chemical Sales Corporation Site Operable Unit #2, Off-Site Town of Gates, Monroe County Site Number 8-28-086. Department of Environmental Conservation, Division of Environmental Remediation. March 2001.

Table 1

List of Parcels within FESL
As of 6/24/2011

	HOUSE NUMBER	STREET	OWNER NAME	Site Acreage	Estimated Building(s) Sq. Ft.	Date of Construction
1	0145	COLFAX ST	COLFAX STREET PROPERTIES LP*	3.3	8400	1982
2	0110-210	COLFAX ST	CITY OF ROCHESTER	18.8	48940	1955
3	0225	COLFAX ST	BLOOMFIELD DEVELOPMENT INC	1.81	4956	1970
4	0305	COLFAX ST	GENIE MANUFACTURING CORPORATION	1.84	6636	1976
5	330	COLFAX ST	PEKO PRECISION PRODUCTS INC	1.39	10048	0
6	0333-337	COLFAX ST	COLFAX STREET PROPERTIES	1	0	0
7	0351	COLFAX ST	COLFAX STREET PROPERTIES	5.3	20517	1975
8	0361	COLFAX ST	COLFAX STREET PROPERTIES	4	0	0
9	0395	COLFAX ST	COLFAX STREET PROPERTIES LP	3.66	29008	1980
10	0535	COLFAX ST	525 LEE ROAD LLC	4.93	23822	1985
11	0575	COLFAX ST	LAIDLAW TRANSIT CO	9.36	16153	1982
12	0655	COLFAX ST	CITY OF ROCHESTER (EDISON TECH)	29.27	391478	1979
13	1181	EMERSON ST	CITY OF ROCHESTER	1.3	0	0
14	1335	EMERSON ST	AGIR LLC	3.29	41575	1983
15	1345	EMERSON ST	CITY OF ROCHESTER	0.6	2340	1960
16	1365	EMERSON ST	STEINEBACH CHRISTIAN C	2.89	48020	1978
17	1385	EMERSON ST	INVOFAB INDUSTRIES INC	2.89	51900	1967
18	1425	EMERSON ST	PEKO PRECISION PRODUCTS INC	3.6	52618	1970
19	1444	EMERSON ST	AUSTIN FAMILY/EMERSON LLC	2.46	22014	1982
20	1455-1465	EMERSON ST	COLFAX STREET PROPERTIES LP	2.77	23595	1965
21	1520	EMERSON ST	EMERSON 1520 LLC	0.79	6720	1982
22	1525	EMERSON ST	1770-1780 EAST RIDGE ROAD INC.	2	41012	1976
23	1555	EMERSON ST	GBH FAMILY CORP	1.77	28673	1974
24	1560	EMERSON ST	DPI COMMERCIAL REAL	1.67	23300	1985
25	1570	EMERSON ST	MASTRODONATO ANDREW A	0	9600	1982
26	1575	EMERSON ST	YELLOW FREIGHT SYSTEMS INC	6.3	15590	1974
27	1580	EMERSON ST	MASTRODONATO ANDREW A	0	14400	1984
28	1640R	EMERSON ST	EMERSON STREET LLC	2.22	25000	1983
29	1660	EMERSON ST	CITY OF ROCHESTER	1.3	0	0
30	1645-1685	EMERSON ST	COMIDA - VAL TECH HOLDINGS INC	7.7	77474	1998
31	1740	EMERSON ST	RAYMOND LECHASE & COMPANY	2.2	17358	1975
32	1727-1755	EMERSON ST	ROCH GAS & ELECTRIC CORP	1.2	0	0
33	1769	EMERSON ST	COUNTY OF MONROE	14.75	237815	1979
34	1770	EMERSON ST	VAMPIRO VENTURES LLC	1.95	22400	1980
35	0180	FERRANO ST	FLOWER CITY TRANSFER INC	11.1	0	0
36	0200	FERRANO ST	FLOWER CITY TRANSFER INC	9.07	5160	1930
37	0400	FERRANO ST	COLFAX STREET PROPERTIES LP	0.71	0	0
38	0480	FERRANO ST	AMERICAN TOWER SYSTEMS LP	6.43	1514	1987
39	456	LEE RD	LEVA FAMILY PROPERTIES, LLC	2.13	46821	1988
40	0500	LEE RD	MAGUIRE FAMILY PROPERTIES	27.87	389108	1978
41	1635	LEXINGTON AV	CITY OF ROCHESTER	1.6	0	0
42	1655	LEXINGTON AV	CITY OF ROCHESTER	23.88	0	0
43	0060	MCCRACKANVILLE ST	CITY OF ROCHESTER	4.44	0	0
44	0055	VANGUARD PKWY	COMIDA - VANGUARD PARKWAY LLC	3.89	31778	2004
45	0105	VANGUARD PKWY	COMIDA - KLEIN STEEL	13.35	206603	2003

Table 11
FESL Property Prioritization Spreadsheet
Summary of Prioritization Factors

							Non-FESL Factors			FESL Factors		
	NUMBER	STREET	BUILDING	BUILDING SQUARE FOOTAGE	OWNER	TOTAL SCORE	Building Use Factors	Building Construction & Condition Factors	SUBTOTAL	Building Location Factors	Site Recon	SUBTOTAL
TIER 1	1740	EMERSON ST	Main building	17,358	RAYMOND LECHASE & COMPANY	14	1	1	2	6	6	12
	575	COLFAX ST	Main building	16,153	FIRST STUDENT	9	3	0	3	1	5	6
	1769	EMERSON ST	RRF (North)	145,000	COUNTY OF MONROE	8	2	7	9	0	-1	-1
	1770	EMERSON ST	Main building	22,400	VAMPIRO VENTURES LLC	8	2	4	6	3	-1	2
	1640R	EMERSON ST	Main building	25,000	EMERSON STREET LLC	8	1	3	4	4	0	4
	1645-1685	EMERSON ST	Main building	77,474	VAL TECH HOLDINGS INC	7	2	0	2	1	4	5
	500	LEE RD	Power House	16,000	MAGUIRE FAMILY PROPERTIES INC	7	1	7	8	0	-1	-1
	1769	EMERSON ST	TS (South)	80,000	COUNTY OF MONROE	6	2	7	9	-2	-1	-3
	1740	EMERSON ST	Office trailer	1,600	RAYMOND LECHASE & COMPANY	5	2	-1	1	5	-1	4
TIER 2	655	COLFAX ST	South building	126,900	CITY OF ROCHESTER (EDISON TECH)	4	6	6	12	-7	-1	-8
	1335	EMERSON ST	Eastern building	6,500	AGIR LLC	4	1	6	7	-2	-1	-3
	535	COLFAX ST	Main building	23,822	525 LEE ROAD LLC	4	1	3	4	1	-1	0
	655	COLFAX ST	North building	41,900	CITY OF ROCHESTER (EDISON TECH)	2	6	4	10	-7	-1	-8
	395	COLFAX ST	Main building	29,008	COLFAX STREET PROEPRTIES LP (DECAROLIS)	2	1	4	5	-2	-1	-3
	1385	EMERSON ST	Main building	51,900	INVOFAB INDUSTRIES INC	2	2	3	5	-2	-1	-3
	1425	EMERSON ST	Main building	52,618	PEKO PRECISION PRODUCTS INC	2	2	3	5	-2	-1	-3
	1444	EMERSON ST	Main building	22,014	AUSTIN FAMILY/EMERSON LLC	2	1	1	2	1	-1	0
	1769	EMERSON ST	MCRC (West)	42,000	COUNTY OF MONROE	1	2	5	7	-5	-1	-6
	145	COLFAX ST	Main building	8,400	COLFAX STREET PROPERTIES LP (DECAROLIS)	1	2	2	4	-2	-1	-3
	1575	EMERSON ST	Main building	15,590	YELLOW FREIGHT SYSTEMS INC	1	1	3	4	-2	-1	-3
	1335	EMERSON ST	Main building	41,575	AGIR LLC	1	1	3	4	-2	-1	-3
TIER 3	305	COLFAX ST	Main building	6,636	GENIE MANUFACTURING CORPORATION	0	1	2	3	-2	-1	-3
	1570	EMERSON ST	Main building	9,600	MASTRODONATO ANDREW A	0	1	-1	0	1	-1	0
	110-210	COLFAX ST	Main building garage	35,300	CITY OF ROCHESTER	0	2	1	3	-2	-1	-3
	1525	EMERSON ST	Main building	41,012	1770-1780 EAST RIDGE ROAD INC. (Pheonix Graphics)	-1	1	1	2	-2	-1	-3
	105	VANGUARD PKWY	Main building	206,603	KLEIN STEEL SERVICES	-1	3	1	4	-4	-1	-5
	351	COLFAX ST	Main building	20,517	COLFAX STREET PROEPRTIES LP (DECAROLIS)	-1	1	1	2	-2	-1	-3
	1365	EMERSON ST	Main building	48,020	STEINEBACH CHRISTIAN C &	-1	1	1	2	-2	-1	-3
	1560	EMERSON ST	Main building	23,300	DPI COMMERCIAL REAL ESTATE LLC	-1	1	-2	-1	1	-1	0
	110-210	COLFAX ST	Main building office	13,700	CITY OF ROCHESTER	-1	2	0	2	-2	-1	-3
	1455-1465	EMERSON ST	Main building	23,595	COLFAX STREET PROPERTIES LP (DECAROLIS)	-1	1	1	2	-2	-1	-3
	500	LEE RD	Main building	400,000	MAGUIRE FAMILY PROPERTIES INC	-2	3	3	6	-7	-1	-8
	1520	EMERSON ST	Main building	6,720	EMERSON 1520 LLC (SERVPRO)	-2	-3	1	-2	1	-1	0
	655	COLFAX ST	Former Service Station	2,500	CITY OF ROCHESTER (EDISON TECH)	-3	3	2	5	-7	-1	-8
	55	VANGUARD PKWY	Main building	31,778	VANGUARD PARKWAY LLC (XLI CORPORATION)	-3	2	0	2	-4	-1	-5
	1555	EMERSON ST	Main building	28,673	GBH FAMILY CORP	-3	2	-2	0	-2	-1	-3
	1580	EMERSON ST	Main building	14,400	MASTRODONATO ANDREW A	-3	1	-4	-3	1	-1	0
	110-210	COLFAX ST	Impound lot trailer	1,325	CITY OF ROCHESTER	-3	2	-2	0	-2	-1	-3
	200	FERRANO ST	Main building	5,160	FLOWER CITY TRANSFER INC	-4	1	1	2	-5	-1	-6
	456	LEE RD	Main building	46,821	LEVA FAMILY PROPERTIES LLC	-4	1	1	2	-5	-1	-6
PROPERTIES WITHOUT ACCESS												
	225	COLFAX ST	Main building	4,956	BLOOMFIELD DEVELOPMENT INC							
VACANT LAND												
	333-337	COLFAX ST	Undeveloped		COLFAX STREET PROEPRTIES LP (DECAROLIS)							
	361	COLFAX ST	Undeveloped		COLFAX STREET PROEPRTIES LP (DECAROLIS)							
	400	FERRANO ST	Undeveloped		COLFAX STREET PROPERTIES LP (DECAROLIS)							
	1181	EMERSON ST	Undeveloped		CITY OF ROCHESTER							
	1345	EMERSON ST	Undeveloped		CITY OF ROCHESTER							
	1635	LEXINGTON AVE	Undeveloped		CITY OF ROCHESTER							
	1655	LEXINGTON AVE	Undeveloped		CITY OF ROCHESTER							
	1660	EMERSON ST	Undeveloped		CITY OF ROCHESTER							
	60	MCCRACKANVILLE ST	Undeveloped		CITY OF ROCHESTER							
	180	FERRANO ST	Undeveloped		FLOWER CITY TRANSFER INC							
BUILDINGS NOT DESIGNED FOR CONTINUOUS HUMAN OCCUPANCY												
	480	FERRANO ST	ALL Buildings (5)	1,514	AMERICAN TOWER SYSTEMS LP							
	110-210	COLFAX ST	Pole barn	2,640	CITY OF ROCHESTER							
	1727-1755	EMERSON ST	Main building	320	ROCH GAS & ELECTRIC CORP							
	1335	EMERSON ST	Southern building (Shed)	2,400	AGIR LLC							
BUILDING WITH SSDS IN PLACE & ACTIVE												
	1770	EMERSON ST	New building	22,400	VAMPIRO VENTURES LLC							
	330	COLFAX ST	Main building	10,048	CITY OF ROCHESTER							

- Denotes "Recommend: Design & Install a Mitigation System" based on Property Prioritization Worksheet A
- Denotes Access Not Obtained
- Denotes "No Further Evaluation" based on Property Prioritization Worksheet A