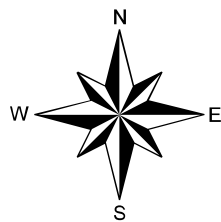
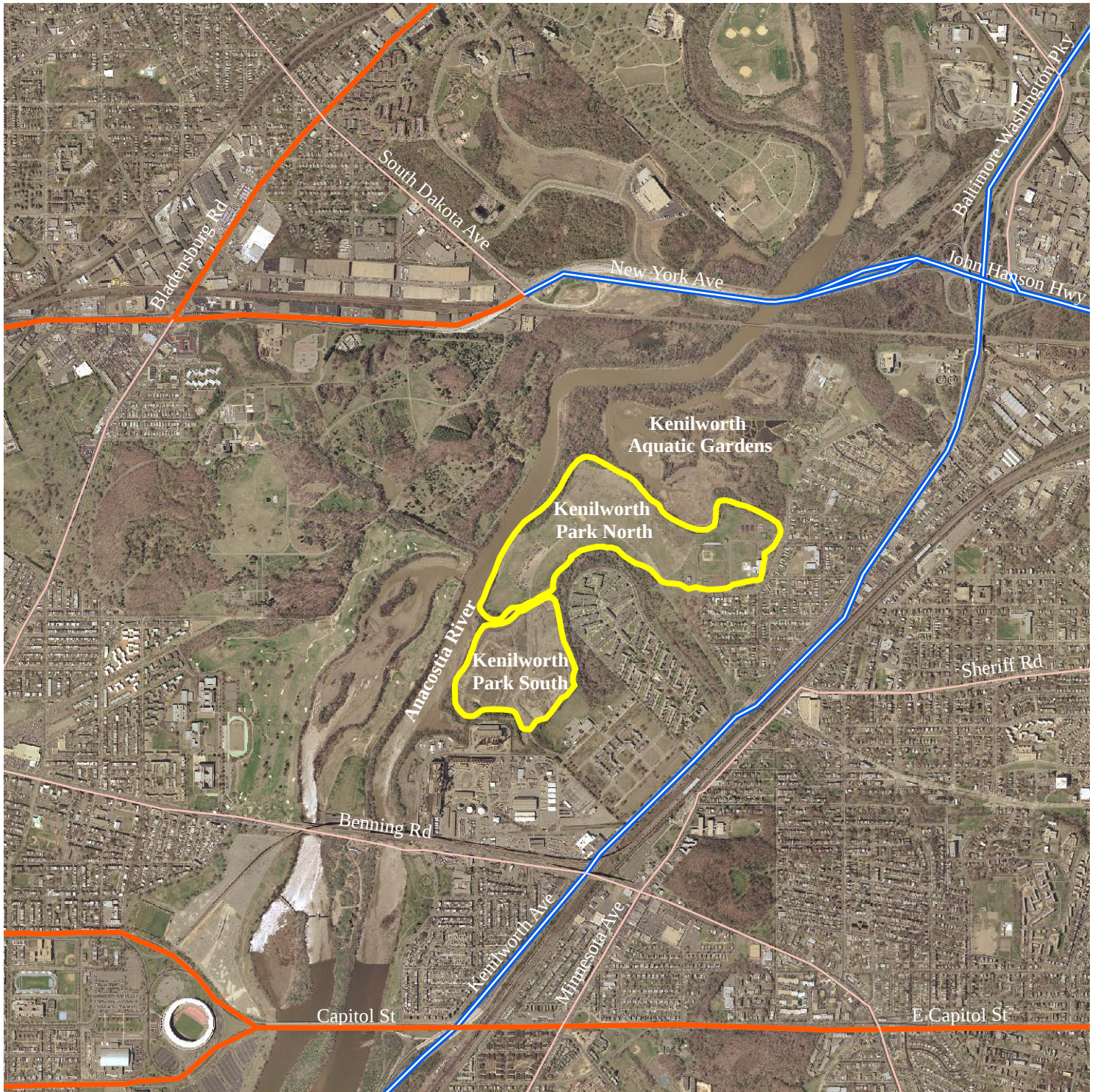


FIGURES



0 750 1,500 3,000 4,500 6,000 Feet

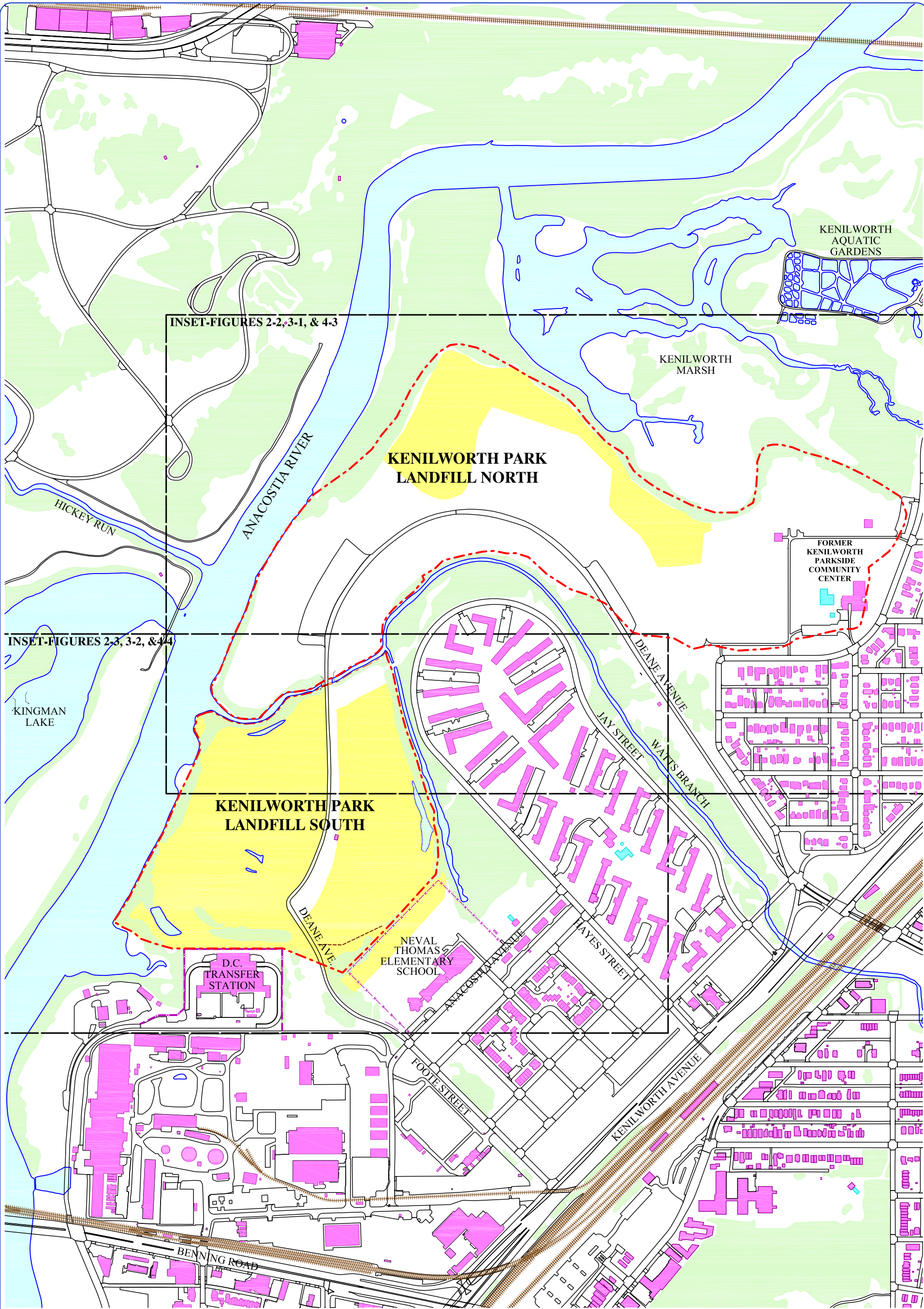
Figure 1-1
Site Location Map
Kenilworth Park Landfill
Washington, District of Columbia



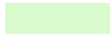
100 State Street, Suite 600
Montpelier, VT 05602

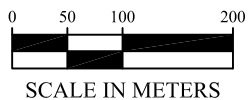
Drawn by: CFF Date: 09/18/09
Reviewed by: CMC Date: 09/18/09

Scale: 1" = 2000' Project: 3-0700-11



LEGEND

- | | | | |
|---|-------------------|---|---------------------------|
|  | Existing Building |  | 1m Ground Surface Contour |
|  | Wooded Area |  | Railroad Tracks |
|  | Unmowed Area |  | Fenceline |
|  | Surface Water |  | Landfill Areas |
| | |  | Inset Area |



Base Map: District of Columbia
Geographic Information System 2006

SITE.dwg

FIGURE 1-2
OVERALL SITE PLAN
KENILWORTH PARK LANDFILL
WASHINGTON, DISTRICT OF COLUMBIA



100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Drawn by: CFF Date: 01/26/12
Chk'd by: CMC Date: 01/26/12
Scale: As Shown Project: 3-0700-11

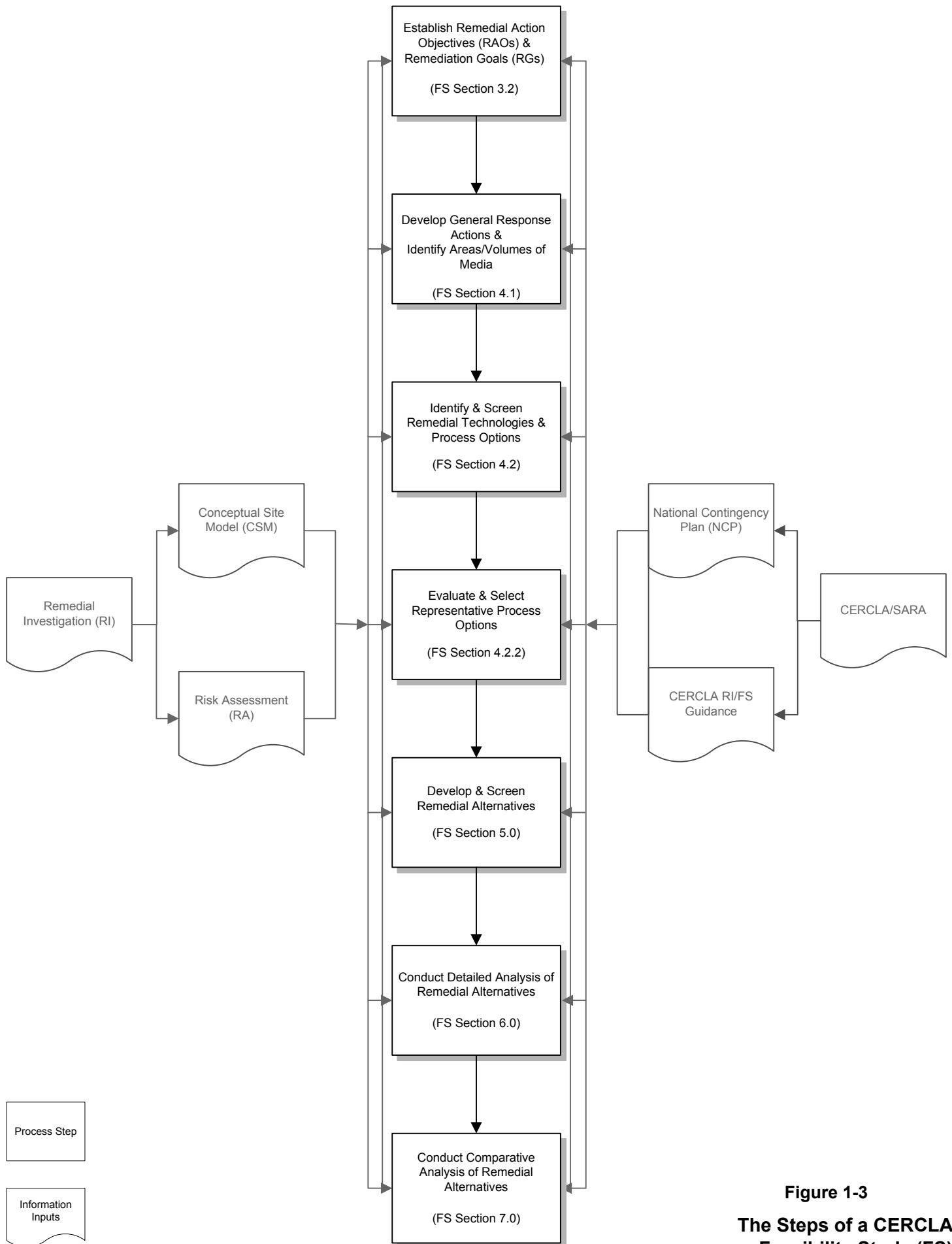
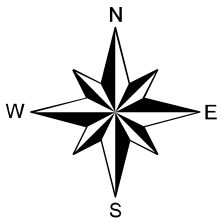


Figure 1-3
The Steps of a CERCLA
Feasibility Study (FS)



Legend

Estimated Extent of Recent Fill



0 75 150 225 300 Feet

Figure 2-1
2008 Aerial Photo of KPN Sports Fields Area



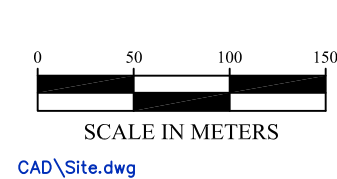
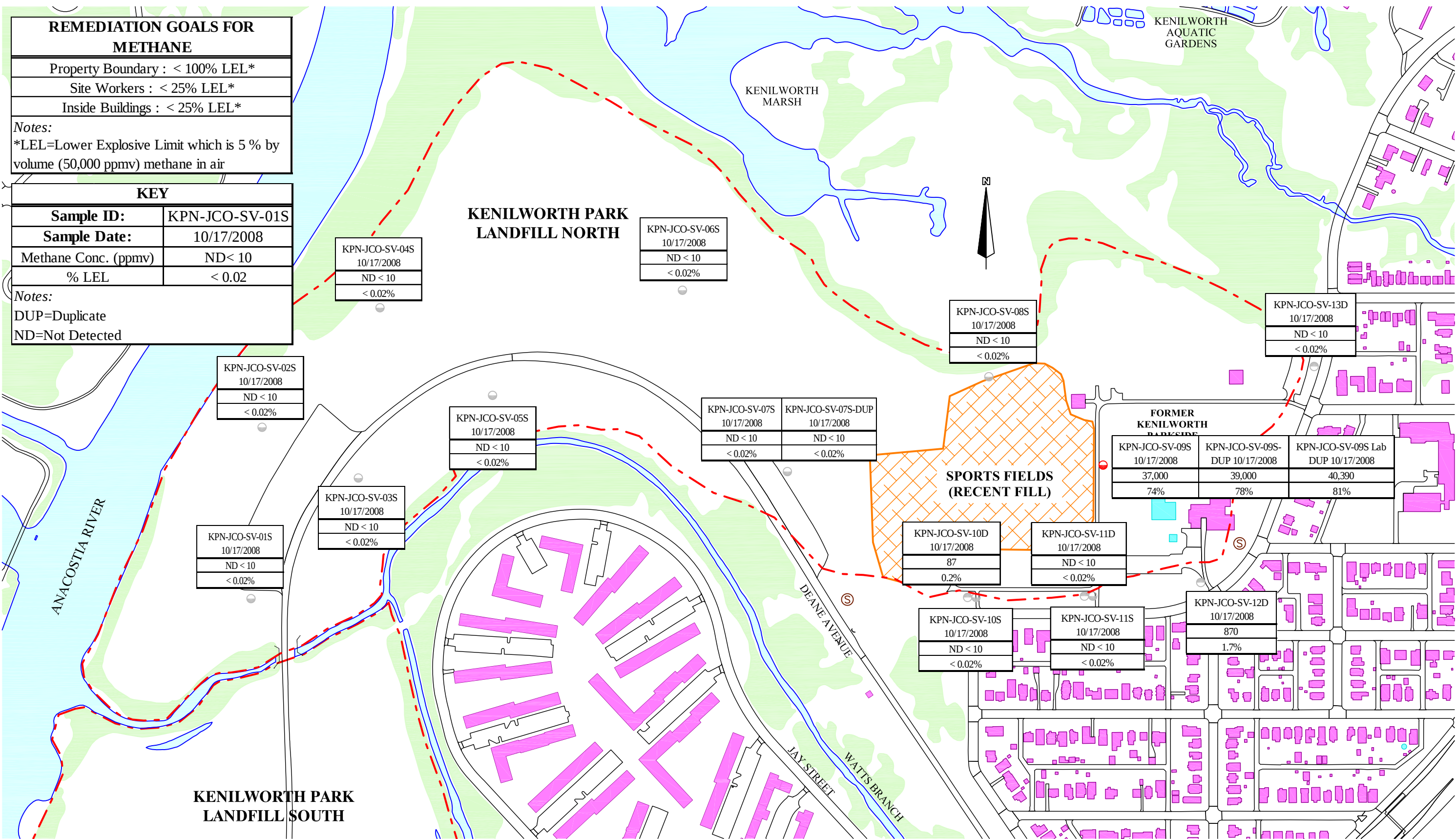
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: CFF Date: 01/30/12
Reviewed by: CMC Date: 01/30/12

Scale: 1" = 150' Project: 3-0700-11

REMEDIATION GOALS FOR METHANE	
Property Boundary :	< 100% LEL*
Site Workers :	< 25% LEL*
Inside Buildings :	< 25% LEL*
Notes:	
*LEL=Lower Explosive Limit which is 5 % by volume (50,000 ppmv) methane in air	

KEY	
Sample ID:	KPN-JCO-SV-01S
Sample Date:	10/17/2008
Methane Conc. (ppmv)	ND< 10
% LEL	< 0.02
Notes:	
DUP=Duplicate	
ND=Not Detected	



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(802) 229-4600

Drawn by: CFF Date: 03/12/12
Chk'd by: CMC Date: 03/12/12
Scale: As Shown Project: 3-0700-11

FIGURE 2-2
SOIL VAPOR METHANE RESULTS
KENILWORTH PARK LANDFILL NORTH
WASHINGTON, DISTRICT OF COLUMBIA

REMEDIATION GOALS FOR METHANE	
Property Boundary :	< 100% LEL*
Site Workers :	< 25% LEL*
Inside Buildings :	< 25% LEL*
Notes: *LEL=Lower Explosive Limit which is 5 % by volume (50,000 ppmv) methane in air	

KEY	
Sample ID:	KPN-JCO-SV-01S
Sample Date:	10/17/2008
Methane Conc. (ppmv)	ND< 10
% LEL	< 0.02
Notes: DUP=Duplicate ND=Not Detected	

KENILWORTH PARK
LANDFILL NORTH

KENILWORTH PARK
LANDFILL SOUTH

KPS-JCO-SV-01S
10/17/2008
23,000
46%

KPS-JCO-SV-02S
10/17/2008
ND < 10
< 0.02%

KPS-JCO-SV-08S
10/17/2008
ND < 10
< 0.02%

KPS-JCO-SV-105D
3/21/2009
ND < 10
< 0.02%

KPS-JCO-SV-104D
3/21/2009
ND < 10
< 0.02%

KPS-JCO-SV-03S
10/17/2008
1,400
2.8%

KPS-JCO-SV-07S
10/17/2008
89,000
178%

KPS-JCO-SV-07S-DUP
10/17/2008
90,840
182%

KPS-JCO-SV-101S
3/21/2009
ND < 10
< 0.02%

KPS-JCO-SV-102S
3/21/2009
2,300
4.6%

KPS-JCO-SV-06D
10/17/2008
140,000
280%

KPS-JCO-SV-103D
3/21/2009
ND < 10
< 0.02%

KPS-JCO-SV-103D-DUP
3/21/2009
ND < 10
< 0.02%

KPS-JCO-SV-106D
3/21/2009
ND < 10
< 0.02%

LEGEND

- Existing Building
- Wooded Area
- Surface Water
- Sewer Line*

- Landfill Boundary (from 2007 Final R.I. by Ecology & Environment, Inc.)
- Approximate D.C. Schools Board Property Boundary (partial)
- Fenceline (approximate)

- Shallow Soil Vapor RG Exceedance Location*
- Shallow Soil Vapor Non-Exceedance Location*
- Deep Soil Vapor RG Exceedance Location*
- Deep Soil Vapor Non-Exceedance Location*

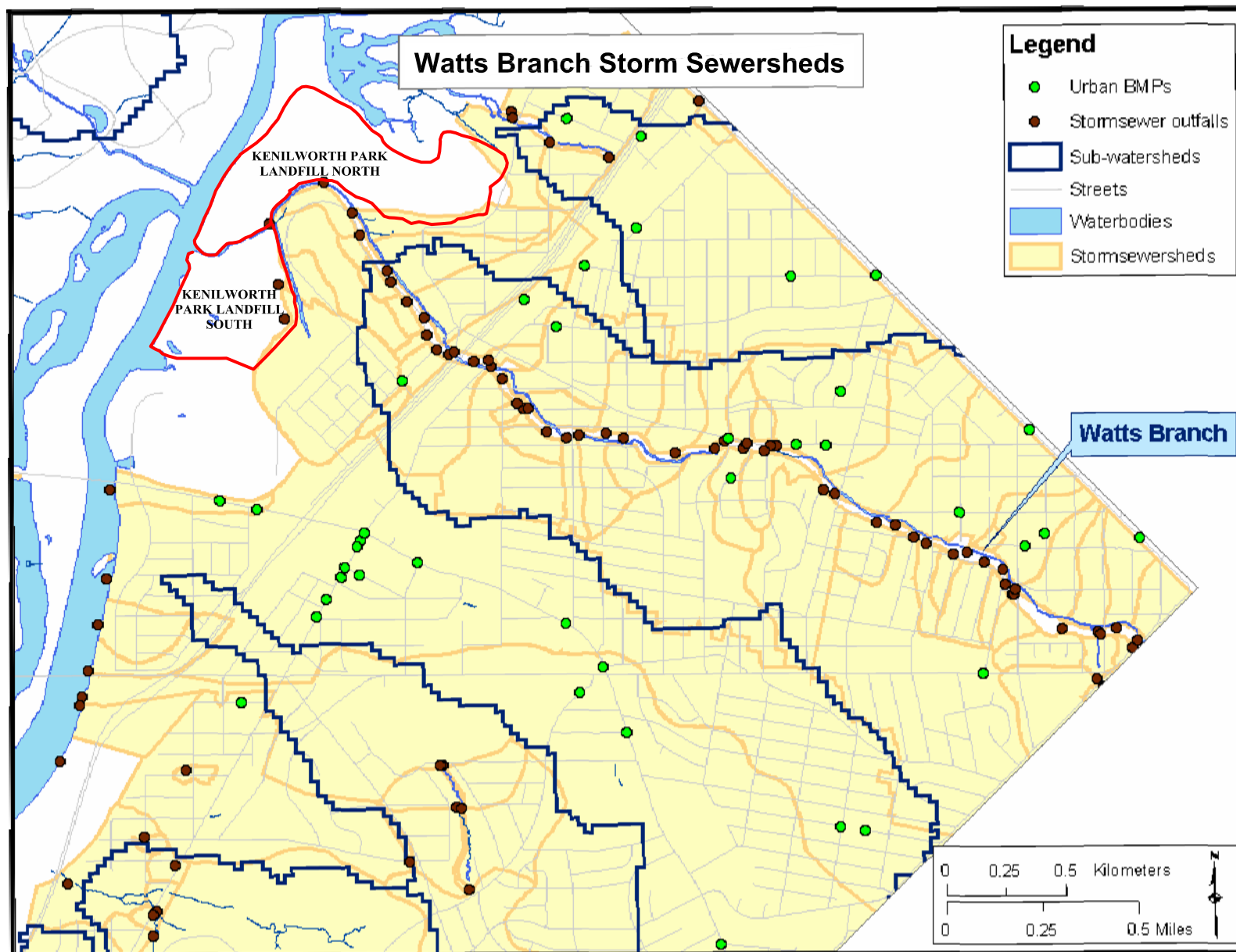
* Location Established by Trimble GPS

Base Map: District of Columbia Geographic Information System.

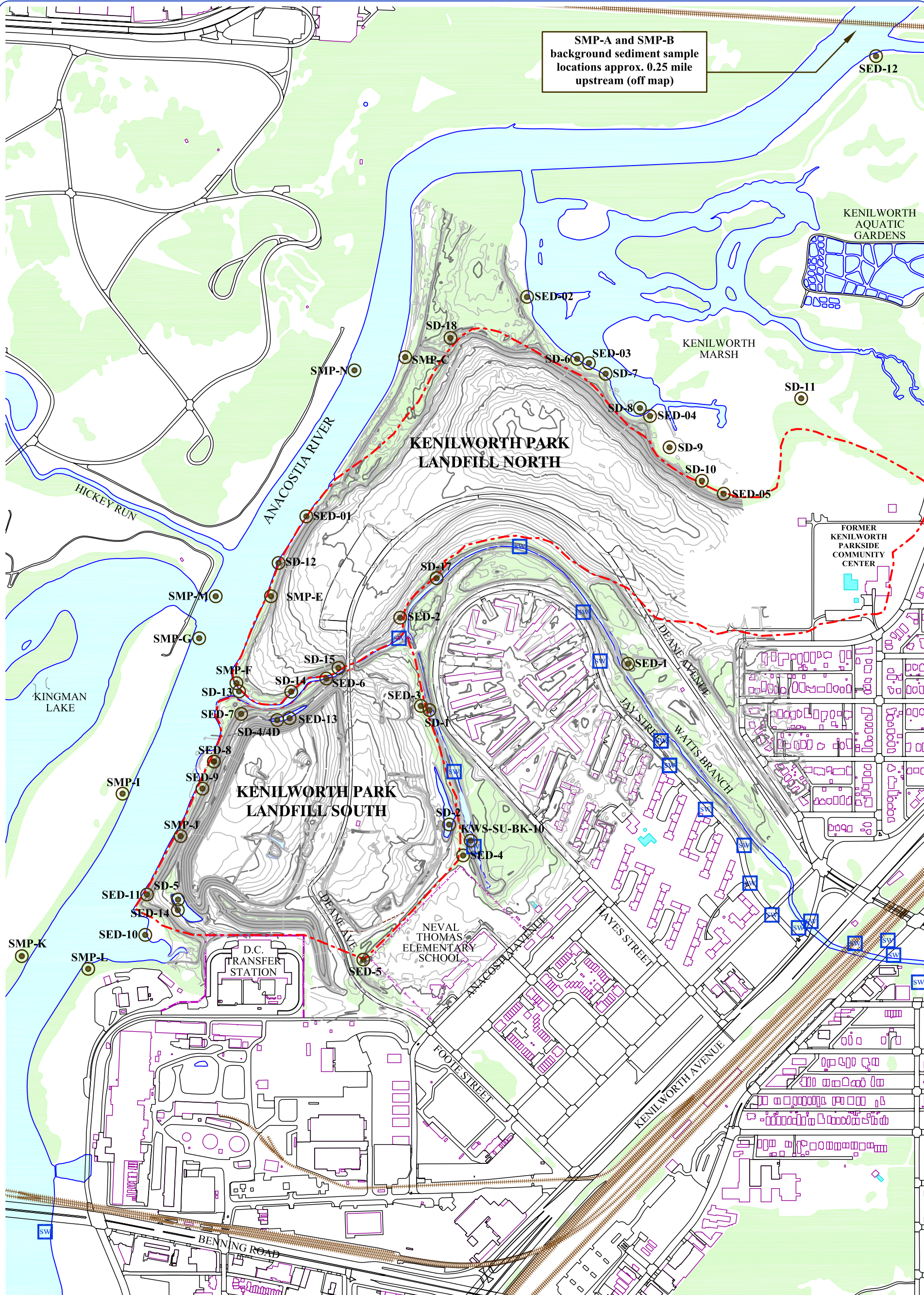


100 State Street, Suite 600
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Chk'd by: CMC Date: 03/12/12
Scale: As Shown Project: 3-0700-11

FIGURE 2-3
SOIL VAPOR METHANE RESULTS
KENILWORTH PARK LANDFILL SOUTH
WASHINGTON, DISTRICT OF COLUMBIA



**FIGURE 2-4: WATTS BRANCH STORM SEWERSHEDS
KENILWORTH PARK LANDFILL
WASHINGTON, DISTRICT OF COLUMBIA**



LEGEND

	Wooded Area		Sediment Sample Location
	Surface Water		Stormsewer Outfall
	1m Ground Surface Contour	SMP-K	Sediment Sample Location ID
	Railroad Tracks		
	Landfill Areas		

0 50 100 200

SCALE IN METERS

Base Map: District of Columbia
Geographic Information System 2006

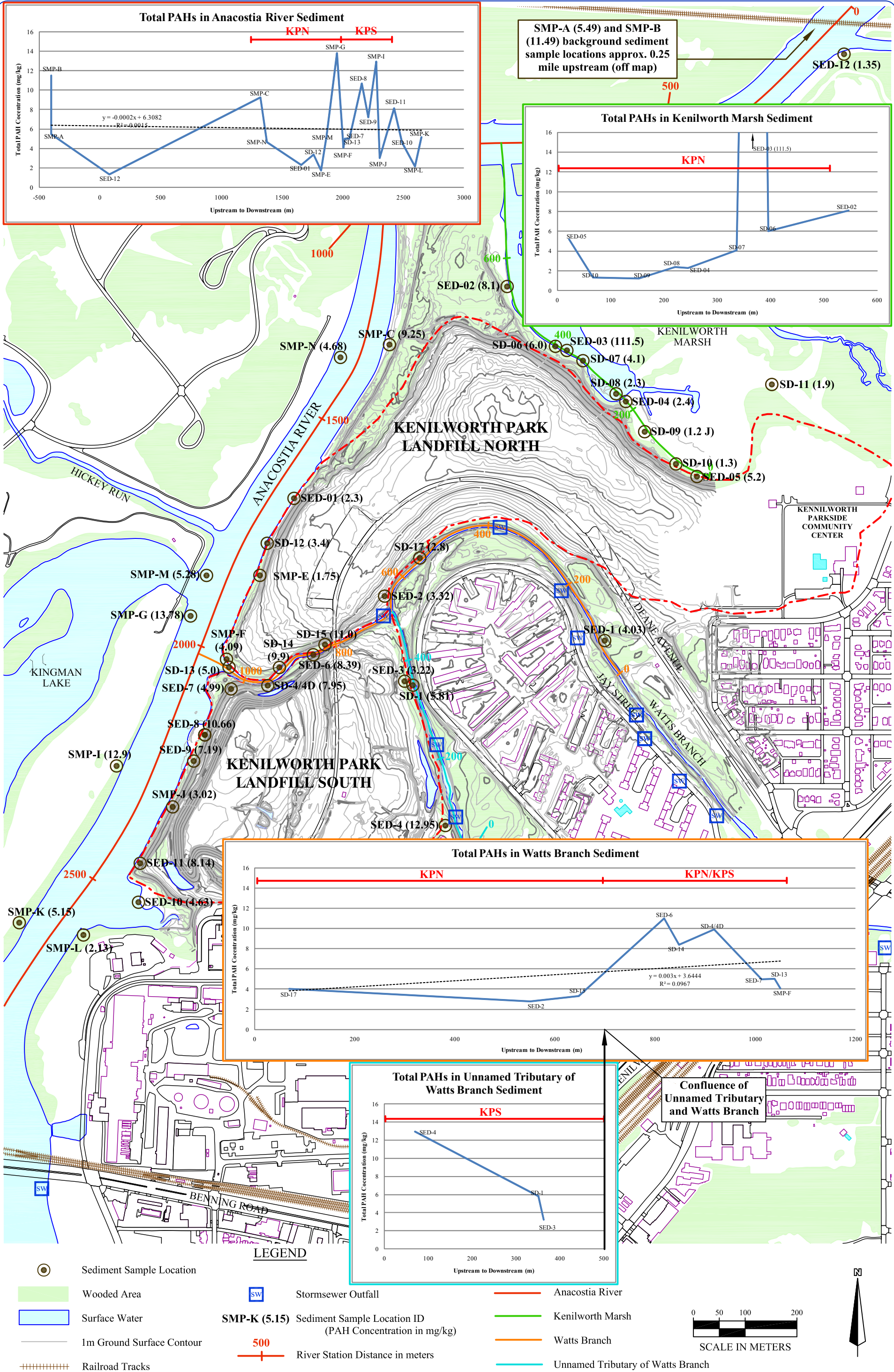
SITE.dwg

FIGURE 2-5
SEDIMENT SAMPLE AND STORM SEWER OUTFALL LOCATIONS
KENILWORTH PARK LANDFILL
WASHINGTON, DISTRICT OF COLUMBIA



100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: CFF Date: 01/26/12
Chk'd by: CMC Date: 01/26/12
Scale: As Shown Project: 3-0700-11



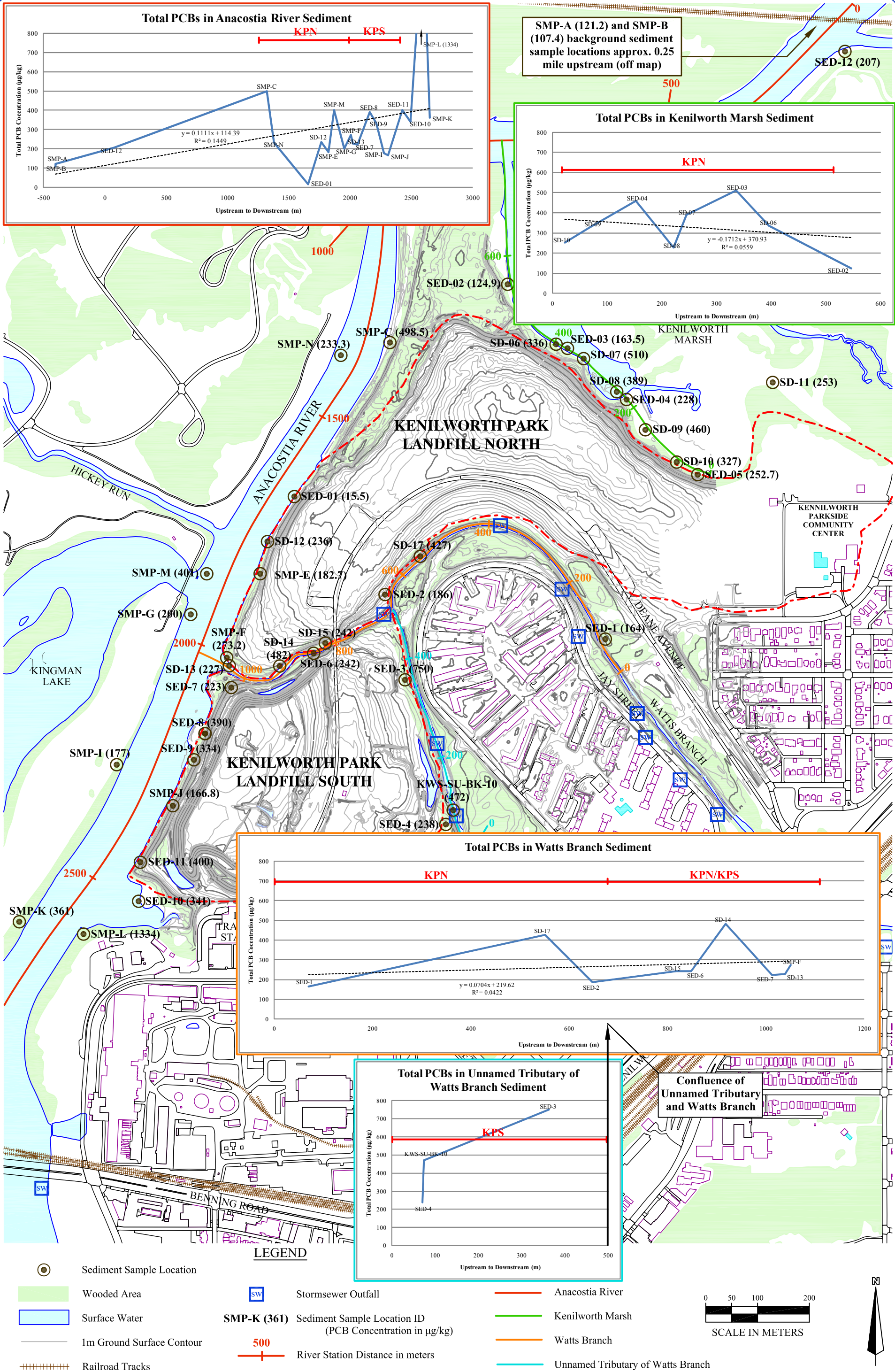


FIGURE 2-7
TOTAL PCB CONCENTRATIONS IN SEDIMENT
KENILWORTH PARK LANDFILL
WASHINGTON, DISTRICT OF COLUMBIA

Base Map: District of Columbia
Geographic Information System 2006

SITE.dwg



100 State Street, Suite 600
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(802) 229-4600
Drawn by: CFF Date: 11/4/10
Chk'd by: CMC Date: 11/4/10
Scale: As Shown Project: 3-0700-11

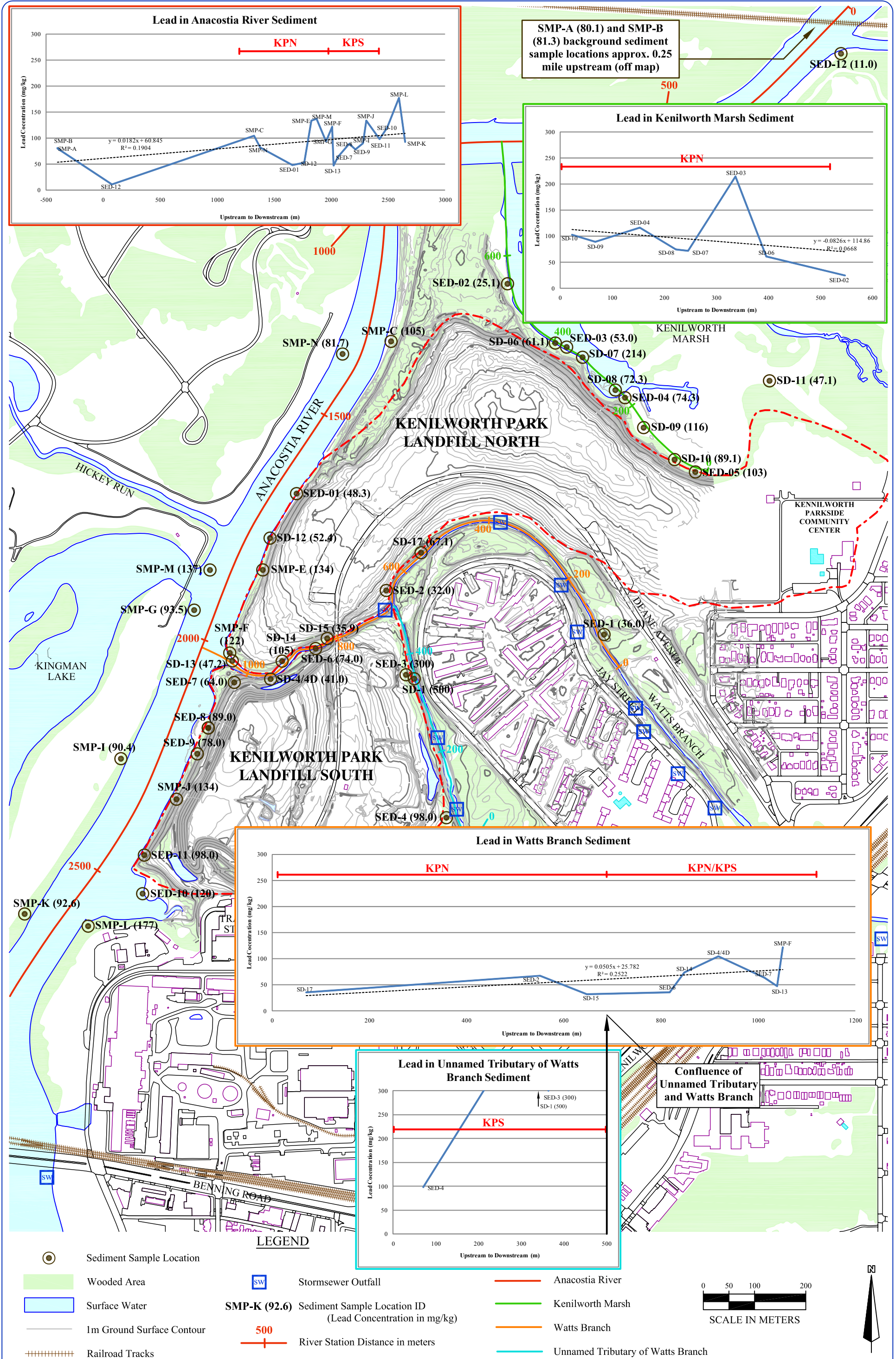
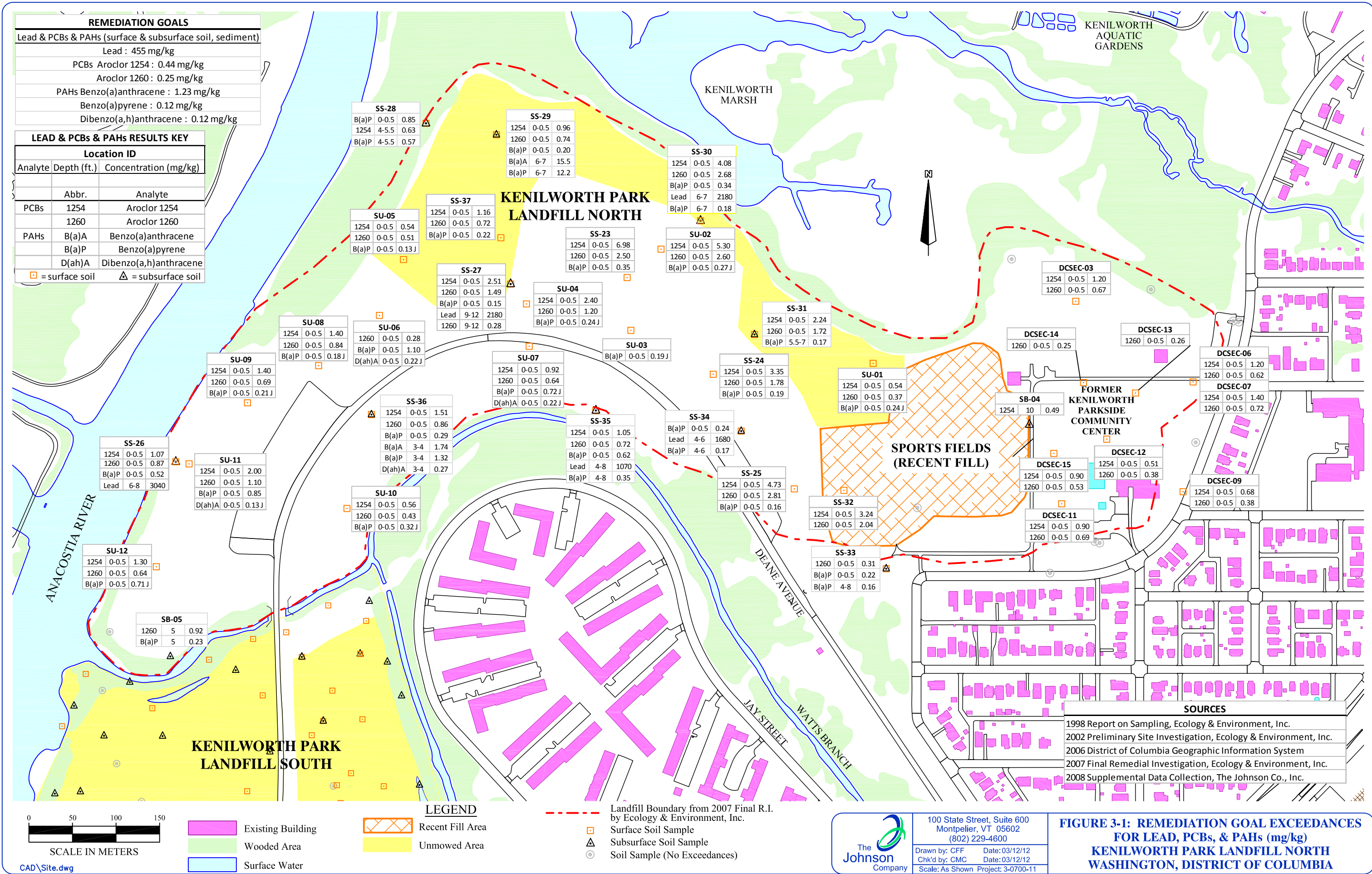
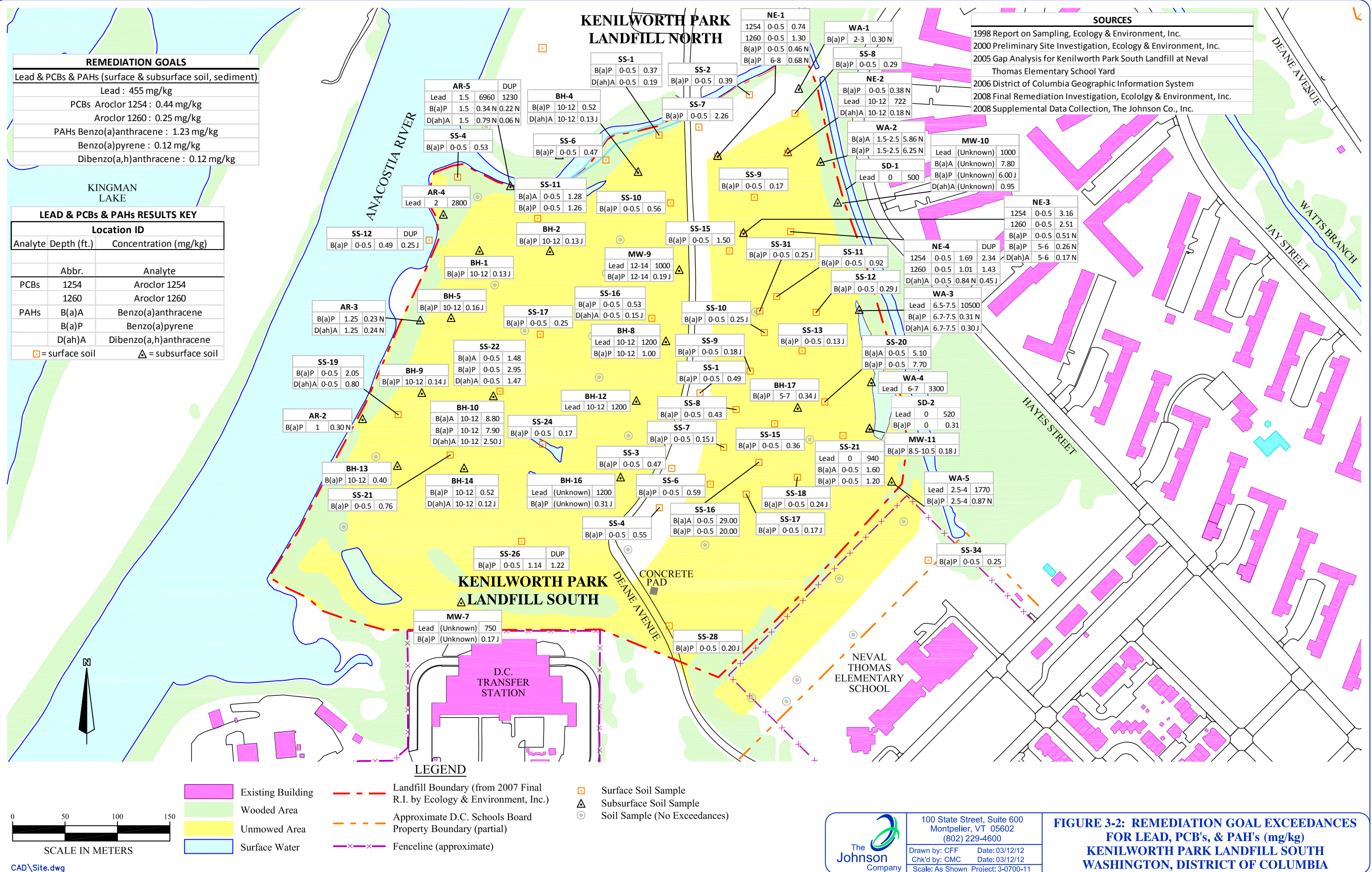


FIGURE 2-8
LEAD CONCENTRATIONS IN SEDIMENT
KENILWORTH PARK LANDFILL
WASHINGTON, DISTRICT OF COLUMBIA





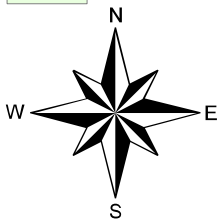


Legend

 Depressions Filled with Imported Clean Soil

 Depressions in Parking Area Filled with Imported Gravel

 Hummocks and Depressions Leveled



0 100 200 400 600 800 1,000
Feet

Figure 4-1
Alternative 2: Minor Regrading



100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: CFF Date: 01/26/12
Reviewed by: CMC Date: 01/26/12

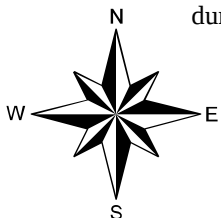
Scale: 1" = 200' Project: 3-0700-11



Legend



**Areas Requiring Excavation
Prior to Installing Clean Soil Cover**
(existing infrastructure such as sidewalks, parking,
tennis courts, basketball courts, etc. to be preserved
during excavation and soil cover placement)



0 50 100 200 300 400 500 Feet

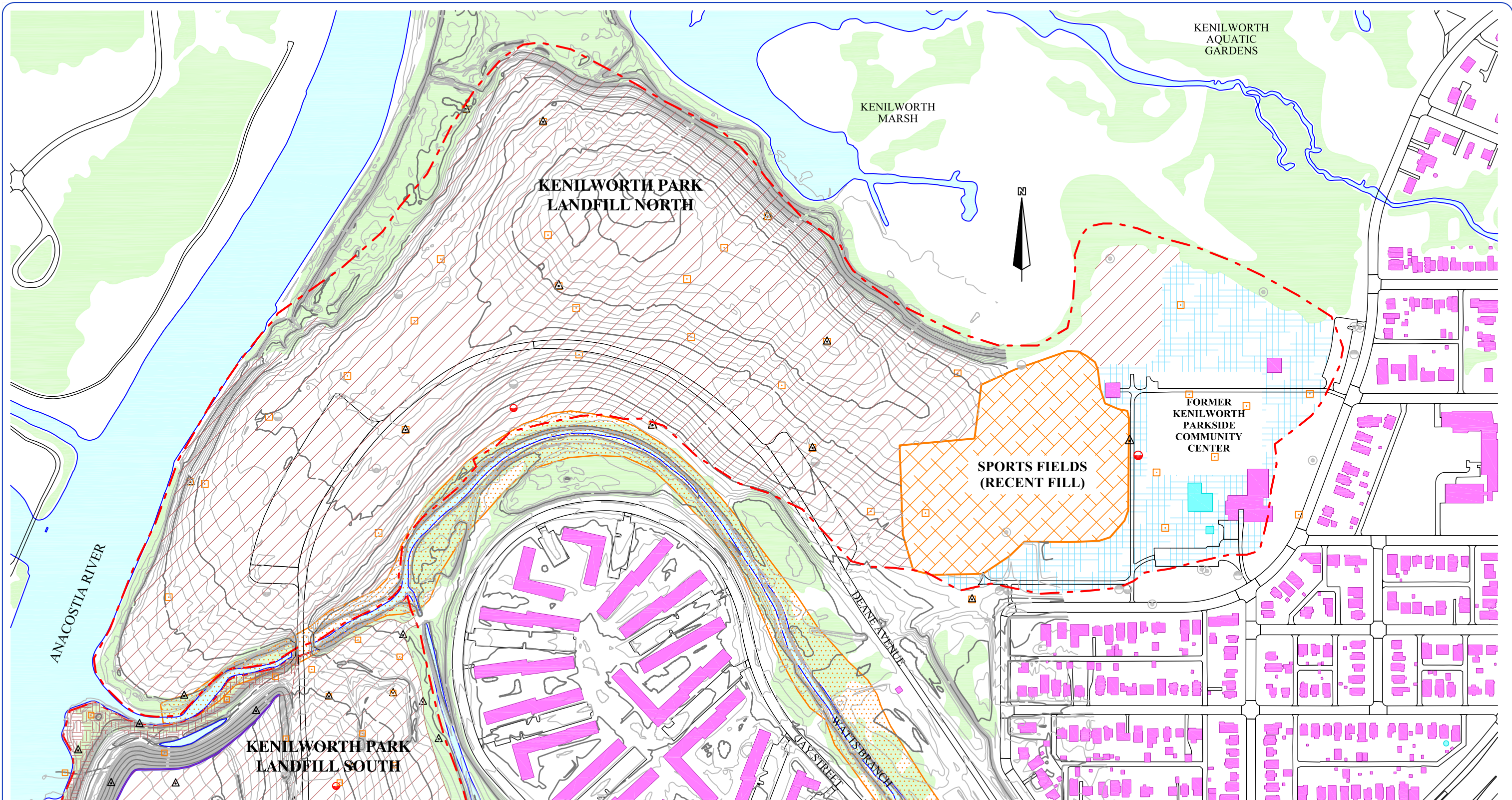
Figure 4-2
KPN Areas Requiring Pre-excavation Before Soil Cover
(Alternatives 3 & 4)



100 State Street, Suite 600
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Drawn by: CFF Date: 01/30/12
Reviewed by: CMC Date: 01/30/12

Scale: 1" = 200' Project: 3-0700-11



Base Map: District of Columbia GIS 2006.

SCALE IN METERS

CAD\Site.dwg

LEGEND

	Landfill Boundary (from 2007 Final R.I. by Ecology & Environment, Inc.)		Shallow Soil Vapor RG Exceedance Location*
	1ft. Ground Surface Contour (from US Army Corps of Engineers, 2000)		Shallow Soil Vapor Non-Exceedance Location*
	Existing Building		Deep Soil Vapor RG Exceedance Location*
	Wooded Area		Deep Soil Vapor Non-Exceedance Location*
	Surface Water		Surface Soil Sample
	Soil Cap (no pre-excavation)		Subsurface Soil Sample
	Soil Cap (with pre-excavation)		Soil Sample (No Exceedances)
	Floodway Area (from FEMA F.I.R.M maps)		
	Recent Fill Area		

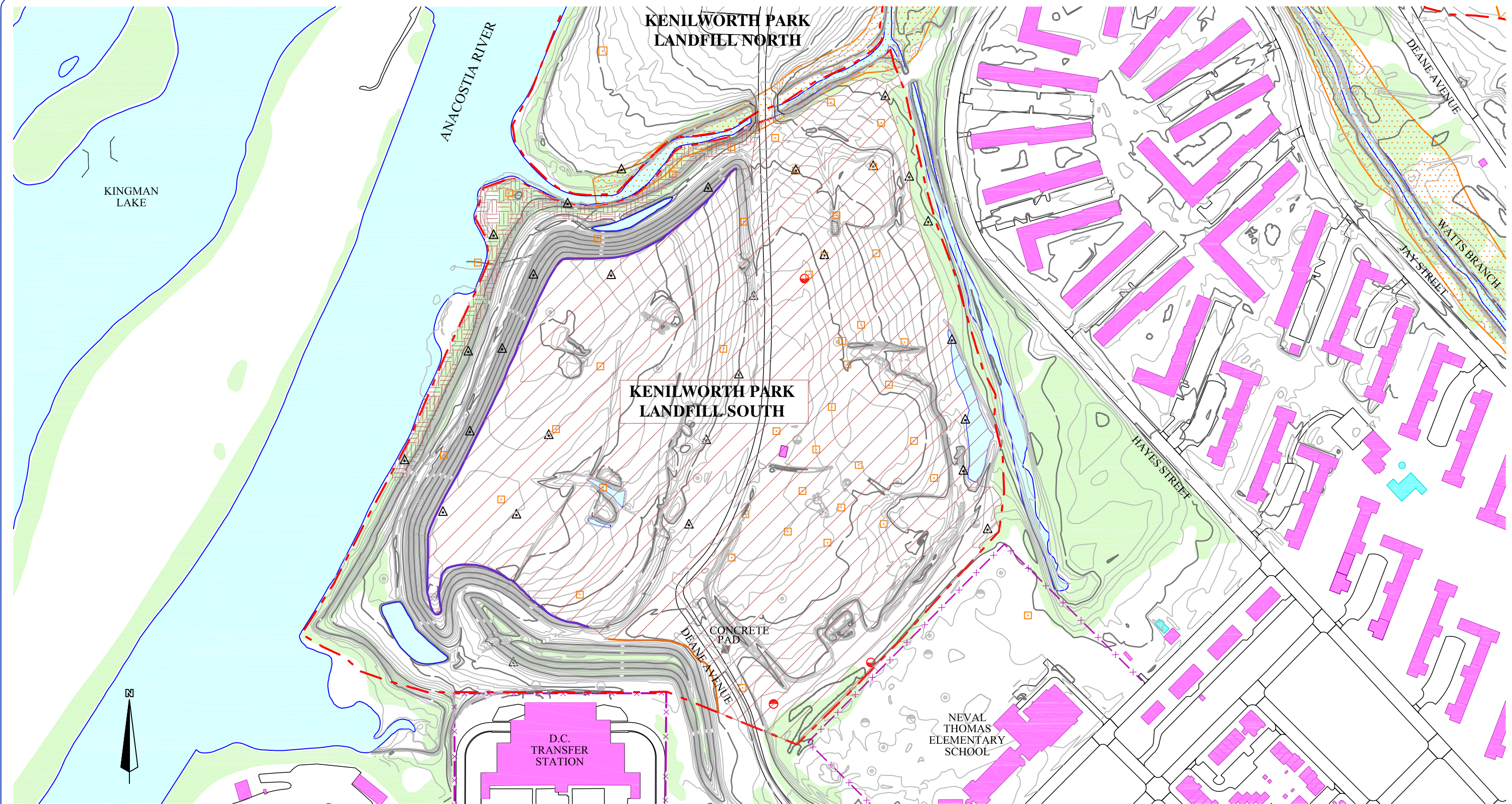
* Location Established by Trimble GPS

The Johnson Company

100 State Street, Suite 600
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Scale: As Shown	Project: 3-0700-11

FIGURE 4-3
ALTERNATIVES 3a & 3b - EXTENT OF SOIL CAP
KENILWORTH PARK LANDFILL NORTH
WASHINGTON, DISTRICT OF COLUMBIA



- Landfill Boundary (from 2007 Final R.I. by Ecology & Environment, Inc.)
- Approximate D.C. Schools Board Property Boundary (partial)
- 1ft. Ground Surface Contour (from US Army Corps of Engineers, 2000)
- Existing Building

- Fenceline (Approximate)
- Toe of Slope
- Top of Slope
- Surface Water
- Wooded Area

LEGEND

- Soil Cap (no pre-excavation)
- River Access Area Soil Cover (with pre-excavation)
- Floodway Area (from FEMA F.I.R.M. maps)

- Shallow Soil Vapor RG Exceedance Location*
- Shallow Soil Vapor Non-Exceedance Location*
- Deep Soil Vapor RG Exceedance Location*
- Deep Soil Vapor Non-Exceedance Location*
- Surface Soil Sample
- Subsurface Soil Sample
- Soil Sample (No Exceedances)

* Location Established by Trimble GPS

Sources: District of Columbia GIS 2006.



SCALE IN METERS



100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Drawn by: CFF Date: 03/13/12
Chk'd by: CMC Date: 03/13/12
Scale: As Shown Project: 3-0700-11

FIGURE 4-4
ALTERNATIVES 3a & 3b - EXTENT OF SOIL CAP
KENILWORTH PARK LANDFILL SOUTH
WASHINGTON, DISTRICT OF COLUMBIA