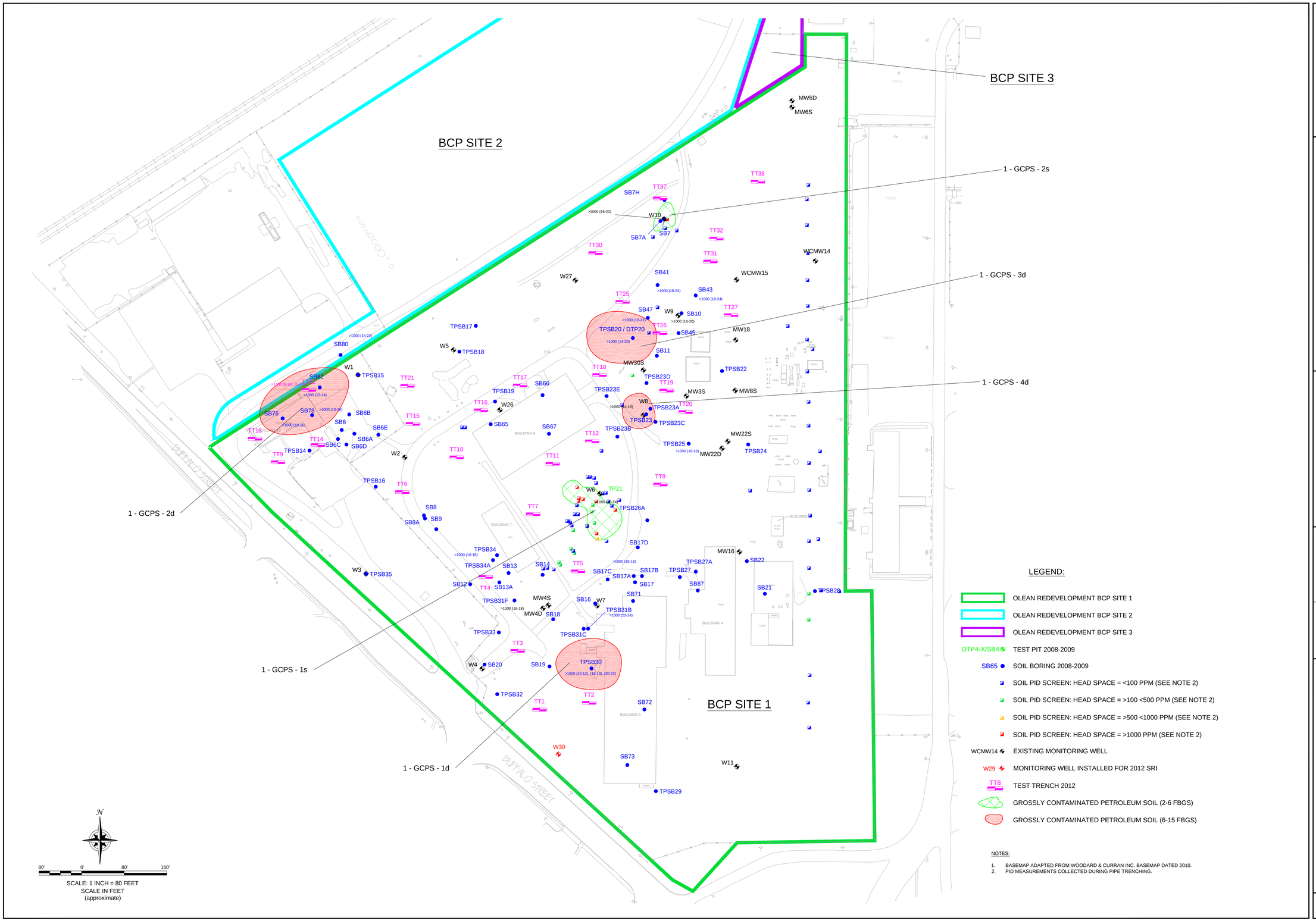


LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- SOIL PID SCREEN: HEAD SPACE = <100 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >100 <500 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >500 <1000 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >1000 PPM (SEE NOTE 2)
- WCMW14 — EXISTING MONITORING WELL
- W29 — MONITORING WELL INSTALLED FOR 2012 SRI
- TT8 — TEST TRENCH 2012
- GROSSLY CONTAMINATED PETROLEUM SOIL (2-6 FBGS)
- GROSSLY CONTAMINATED PETROLEUM SOIL (6-15 FBGS)

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. PID MEASUREMENTS COLLECTED DURING PIPE TRENCHING.

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY:
APPROVED BY:
APPROVED-BY

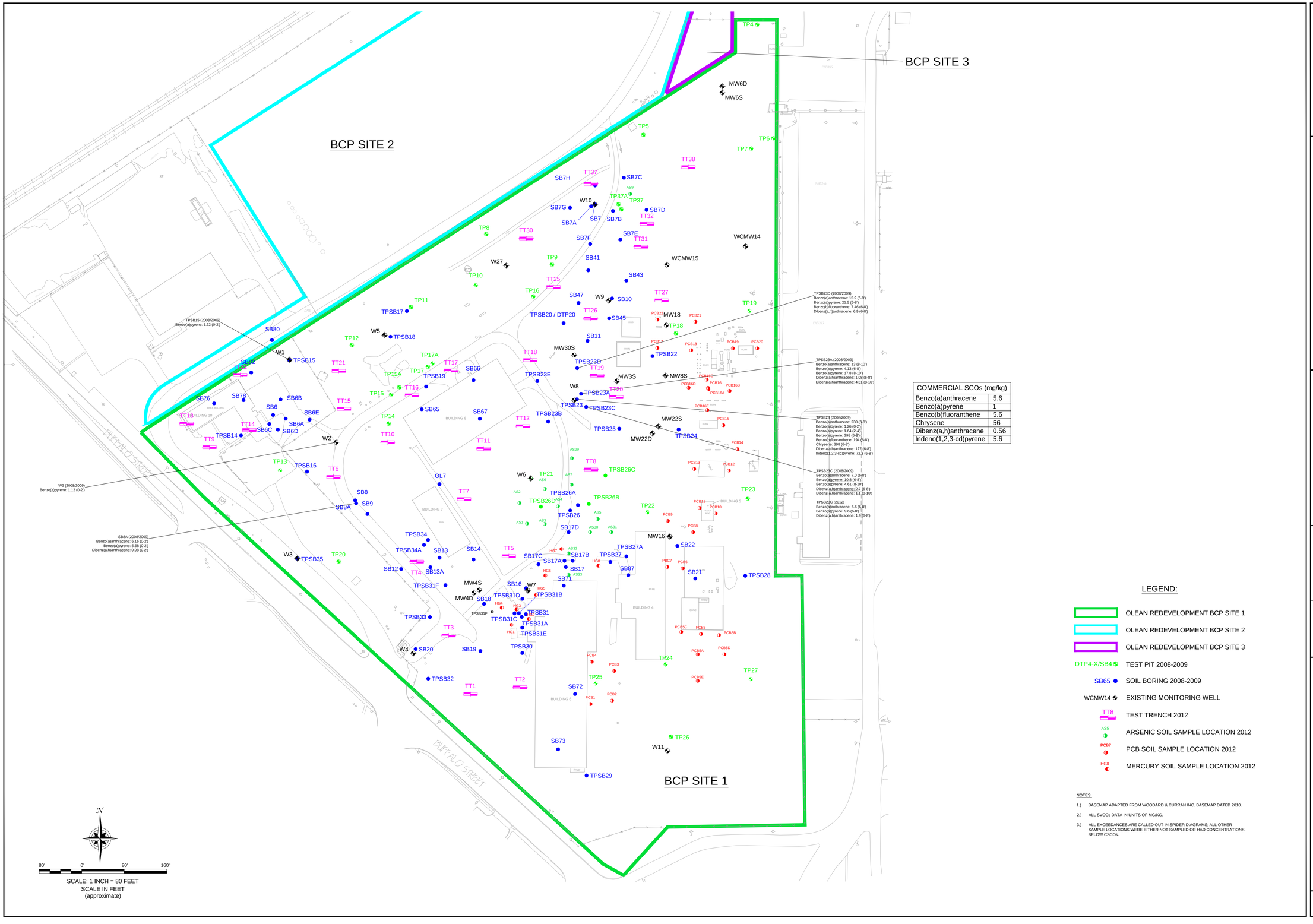
DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

GROSSLY CONTAMINATED PETROLEUM SOIL BCP SITE 1

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-1



COMMERCIAL SCOs (mg/kg)	
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Chrysene	56
Dibenz(a,h)anthracene	0.56
Indeno(1,2,3-cd)pyrene	5.6

LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- WCMW14 — EXISTING MONITORING WELL
- TT8 — TEST TRENCH 2012
- AS5 — ARSENIC SOIL SAMPLE LOCATION 2012
- PCB7 — PCB SOIL SAMPLE LOCATION 2012
- HG8 — MERCURY SOIL SAMPLE LOCATION 2012

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL SVOCs DATA IN UNITS OF MG/KG.

3.) ALL EXCEEDANCES ARE CALLED OUT IN SPIDER DIAGRAMS; ALL OTHER SAMPLE LOCATIONS WERE EITHER NOT SAMPLED OR HAD CONCENTRATIONS BELOW CSCOs.

TURNKEY ENVIRONMENTAL RESTORATION LLC
2556 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING IS TRANSMITTED ELECTRONICALLY AND MAY BE MODIFIED AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY PERSONNEL OF THE OWNER WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

SVOCs EXCEEDENCES OF CSCOs BCP SITE 1

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY

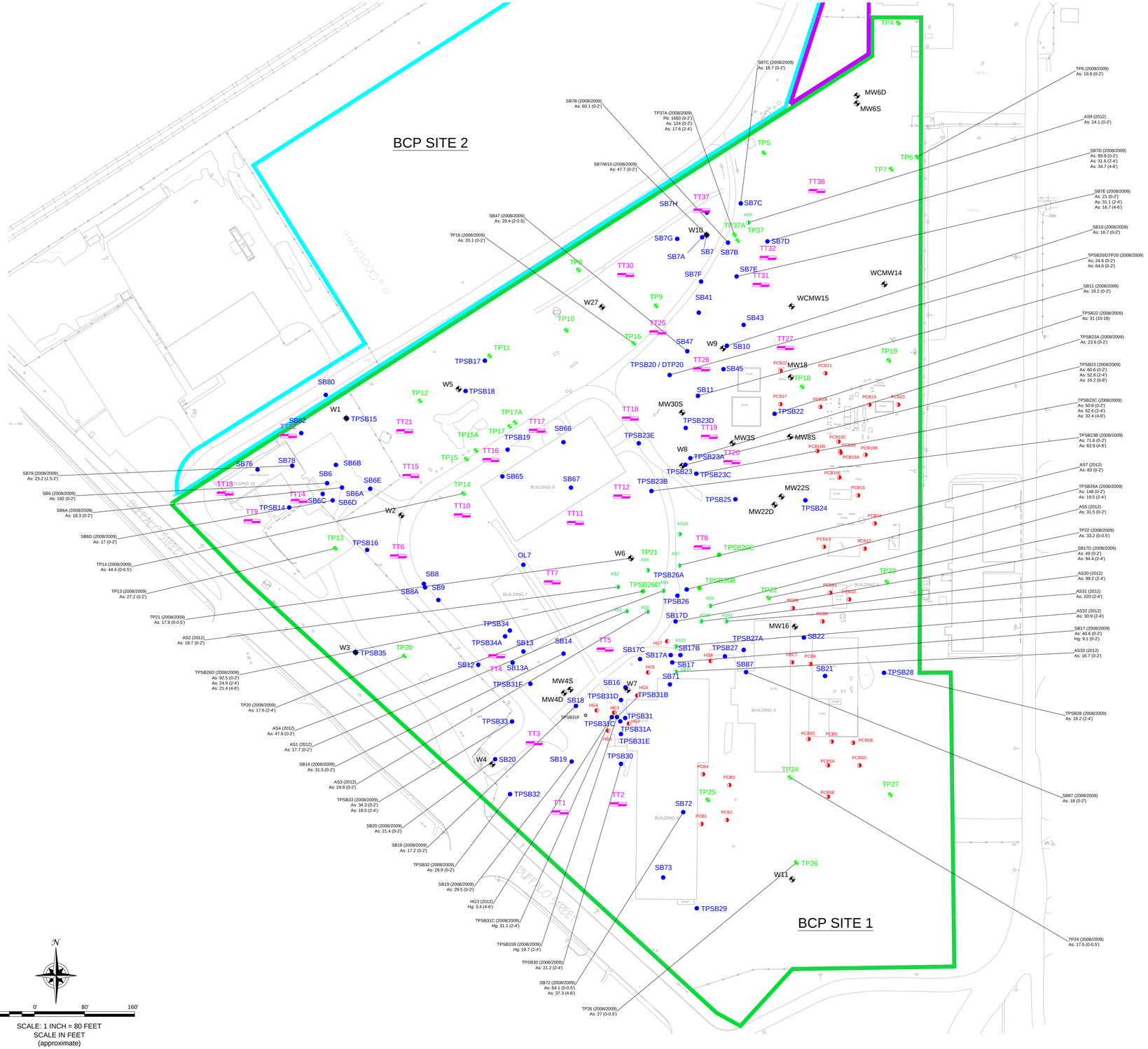
OLEAN, NEW YORK

BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR:

OLEAN GATEWAY, LLC

FIGURE 4-2



COMMERCIAL SCOs (mg/kg)	
As	16
Hg	2.8

LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- WCMW14 — EXISTING MONITORING WELL
- TT8 — TEST TRENCH 2012
- AS5 — ARSENIC SOIL SAMPLE LOCATION 2012
- PCB7 — PCB SOIL SAMPLE LOCATION 2012
- HG8 — MERCURY SOIL SAMPLE LOCATION 2012

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL METALS DATA IN UNITS OF MG/KG.

3.) ALL EXCEEDANCES ARE CALLED OUT IN SPIDER DIAGRAMS; ALL OTHER SAMPLE LOCATIONS WERE EITHER NOT SAMPLED OR HAD CONCENTRATIONS BELOW CSCOs.

N

80' 0' 80' 160'

SCALE: 1 INCH = 80 FEET
SCALE IN FEET
(approximate)

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

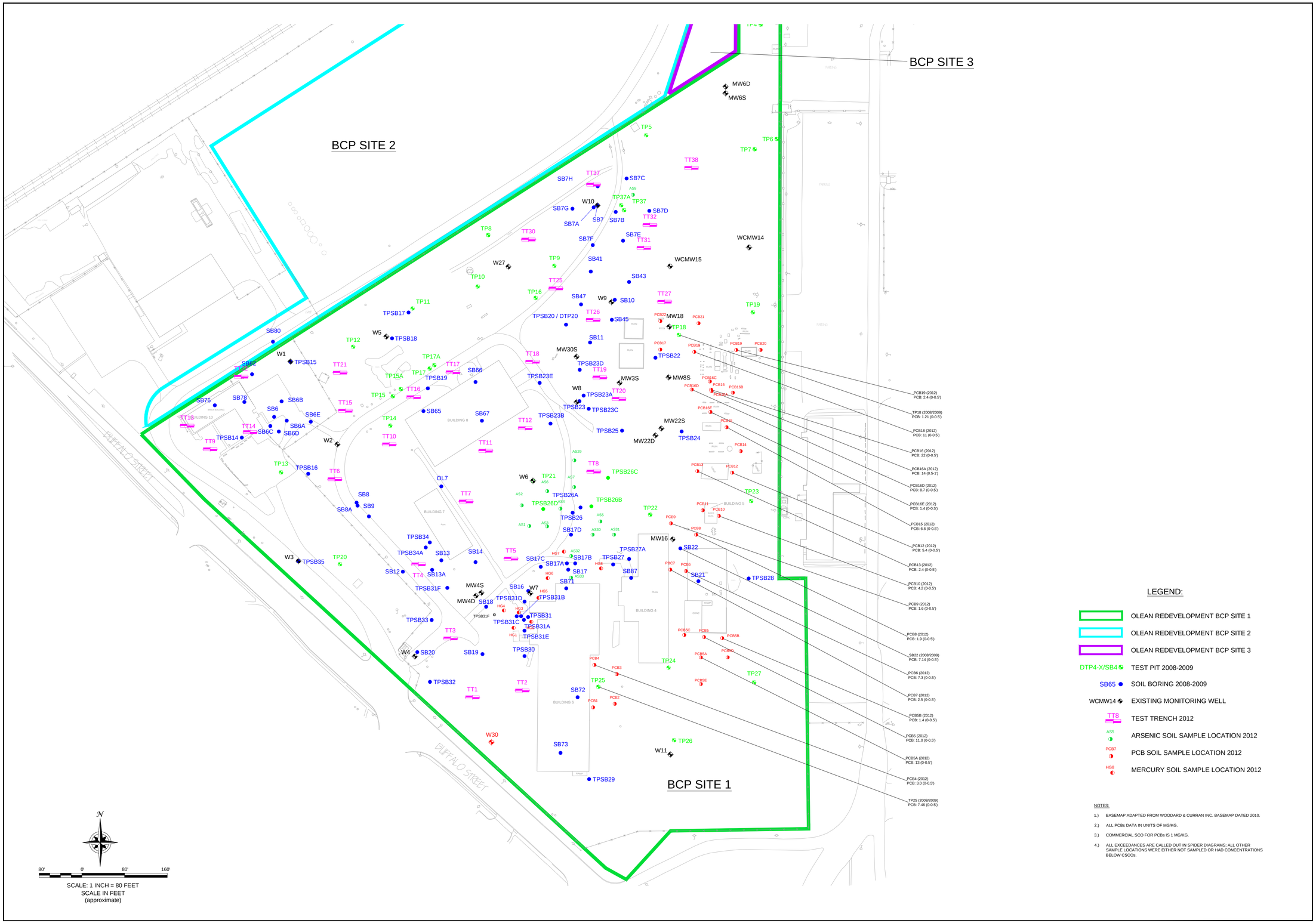
DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY:
APPROVED BY:

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DOCUMENT IS LOANED FOR ITS USEFUL LIFE OR ISSUANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND VENDORS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

METALS EXCEEDENCES OF CSCOs
BCP SITE 1

RIAA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-3



TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635
JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

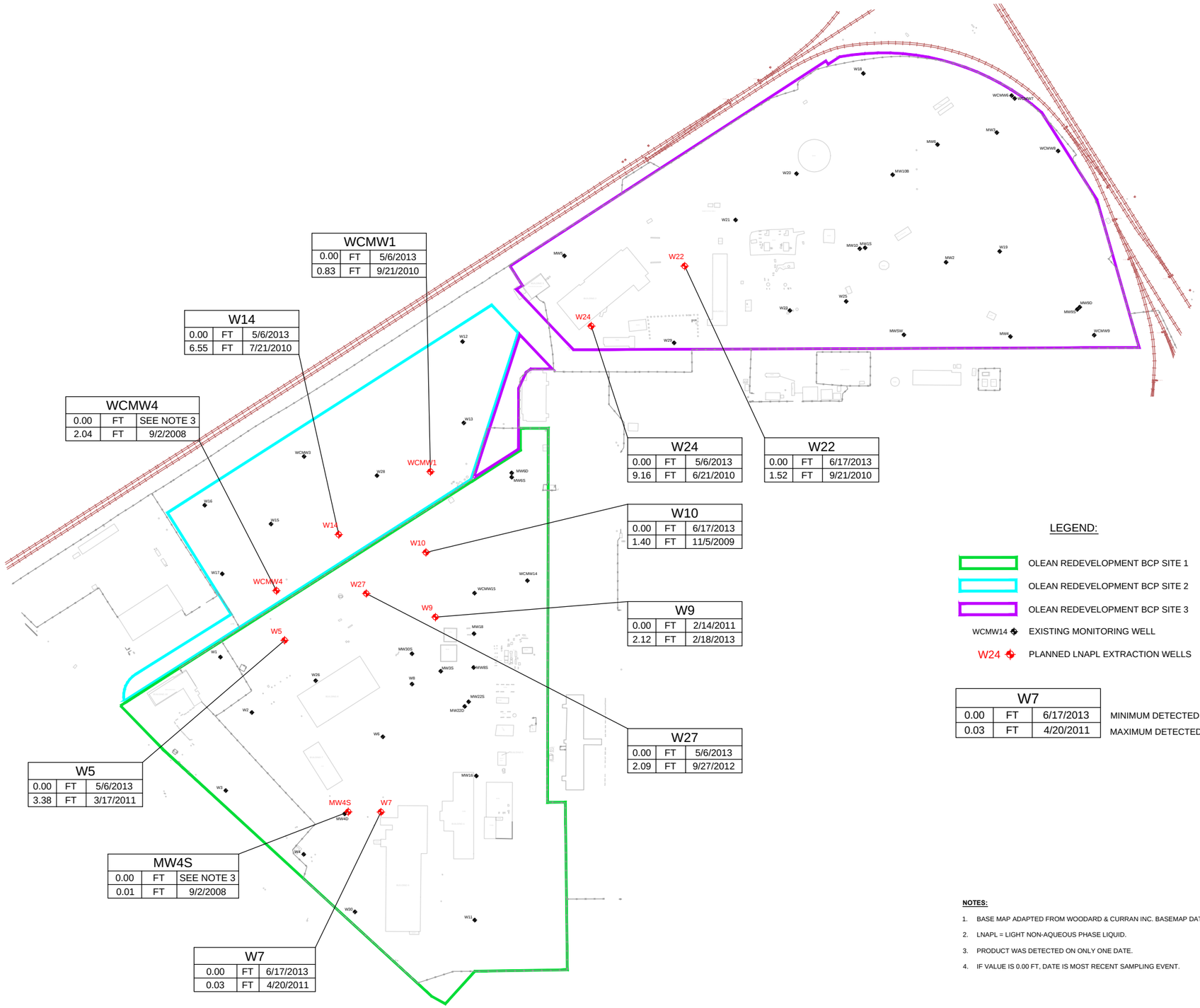
DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

PCB EXCEEDENCES OF CSCOs BCP SITE 1

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-4

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 4-5; LNAPL in Groundwater (2008-2012).dwg



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- WCMW14 EXISTING MONITORING WELL
- W24 PLANNED LNAPL EXTRACTION WELLS

W7		
0.00	FT	6/17/2013
0.03	FT	4/20/2011

MINIMUM DETECTED THICKNESS (SEE NOTE 4)
MAXIMUM DETECTED THICKNESS

NOTES:

1. BASE MAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.
3. PRODUCT WAS DETECTED ON ONLY ONE DATE.
4. IF VALUE IS 0.00 FT, DATE IS MOST RECENT SAMPLING EVENT.

DATE: JANUARY 2013
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

LNAPL IN GROUNDWATER (2008-2012) BCP SITES 1, 2 & 3

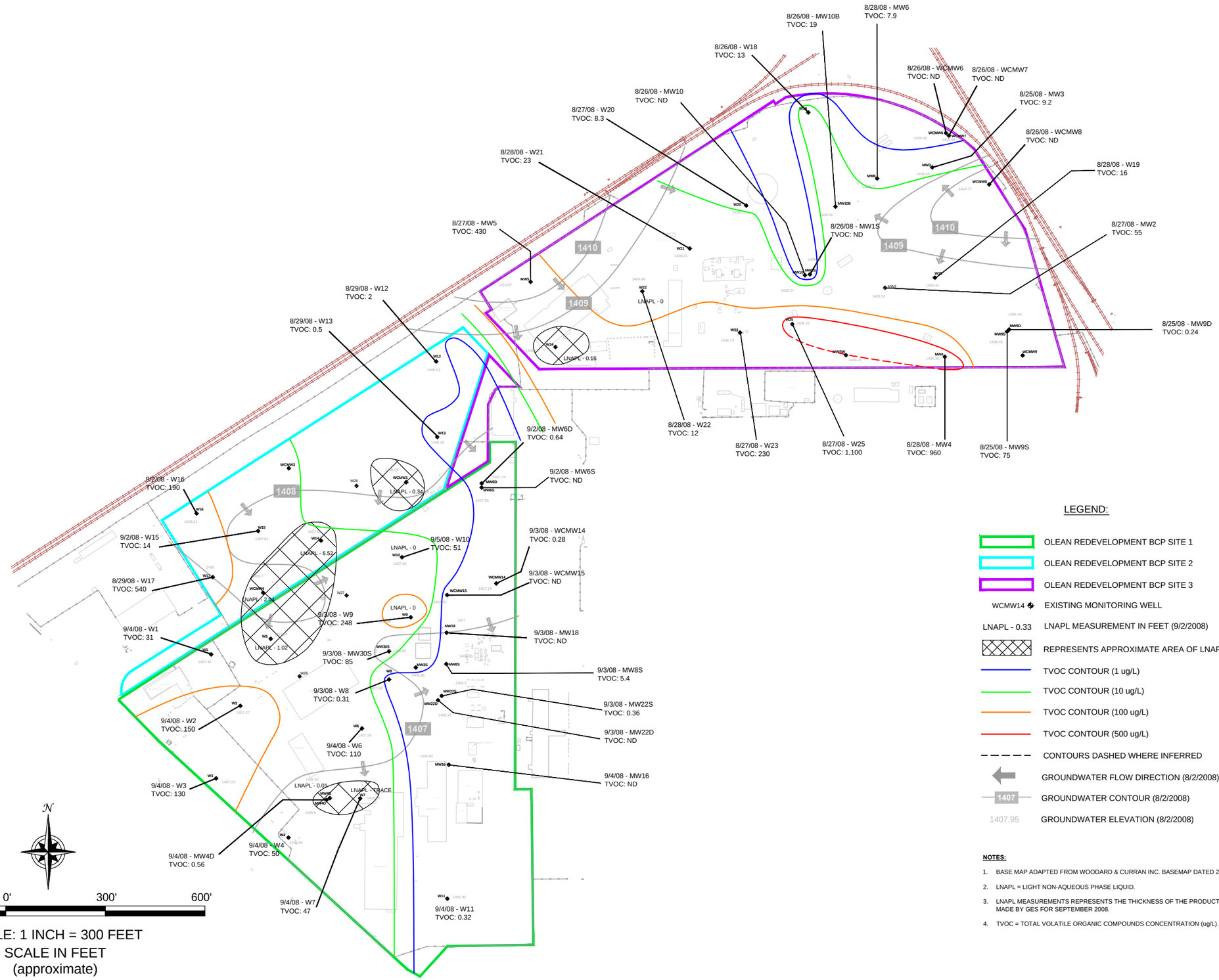
RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-5

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 4-6; TVOCs and LNAPL (2008,2012, TVOC+TICS 2012).dwg



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- WCMW14 — EXISTING MONITORING WELL
- LNAPL - 0.33 — LNAPL MEASUREMENT IN FEET (9/2/2008)
- REPRESENTS APPROXIMATE AREA OF LNAPL IN WELLS
- TVOC CONTOUR (1 ug/L)
- TVOC CONTOUR (10 ug/L)
- TVOC CONTOUR (100 ug/L)
- TVOC CONTOUR (500 ug/L)
- CONTOURS DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION (8/2/2008)
- 1407 — GROUNDWATER CONTOUR (8/2/2008)
- 1407.95 — GROUNDWATER ELEVATION (8/2/2008)

NOTES:

1. BASE MAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.
3. LNAPL MEASUREMENTS REPRESENTS THE THICKNESS OF THE PRODUCT MEASUREMENTS MADE BY GES FOR SEPTEMBER 2008.
4. TVOC = TOTAL VOLATILE ORGANIC COMPOUNDS CONCENTRATION (ug/L).

DATE: NOVEMBER 2012
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

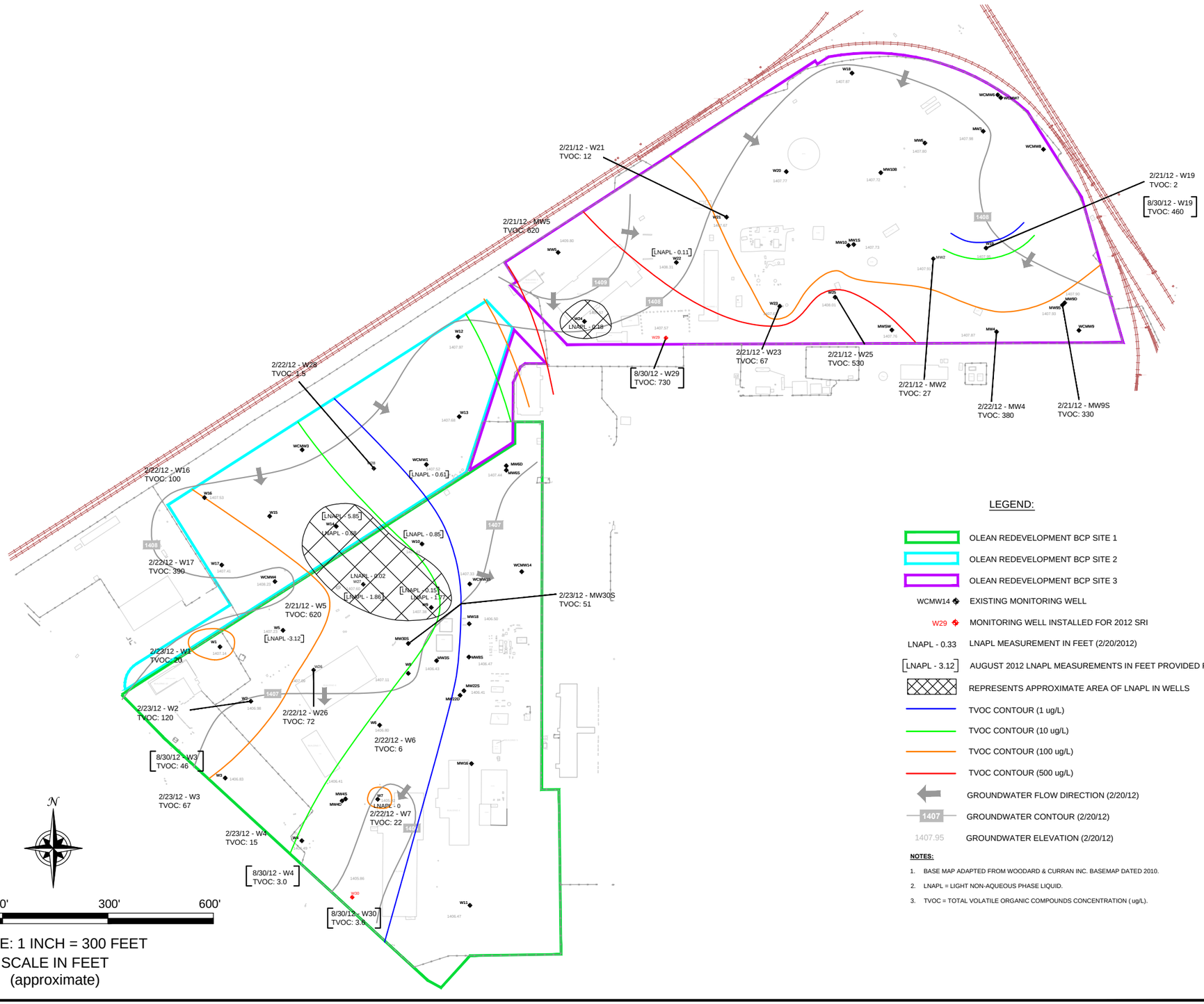
JOB NO.: 0250-012-001

TOTAL VOCs AND LNAPL IN GROUNDWATER 2008

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-6

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 4-5-7; TVOCs and LNAPL (2008,2012, TVOC+TICS 2012).dwg



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- WCMW14 — EXISTING MONITORING WELL
- W29 — MONITORING WELL INSTALLED FOR 2012 SRI
- LNAPL - 0.33 — LNAPL MEASUREMENT IN FEET (2/20/2012)
- [LNAPL - 3.12] — AUGUST 2012 LNAPL MEASUREMENTS IN FEET PROVIDED FOR REFERENCE
- REPRESENTS APPROXIMATE AREA OF LNAPL IN WELLS
- TVOC CONTOUR (1 ug/L)
- TVOC CONTOUR (10 ug/L)
- TVOC CONTOUR (100 ug/L)
- TVOC CONTOUR (500 ug/L)
- GROUNDWATER FLOW DIRECTION (2/20/12)
- 1407 — GROUNDWATER CONTOUR (2/20/12)
- 1407.95 — GROUNDWATER ELEVATION (2/20/12)

NOTES:

1. BASE MAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.
3. TVOC = TOTAL VOLATILE ORGANIC COMPOUNDS CONCENTRATION (ug/L).

DATE: NOVEMBER 2012
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

TOTAL VOCs AND LNAPL IN GROUNDWATER FEBRUARY 2012

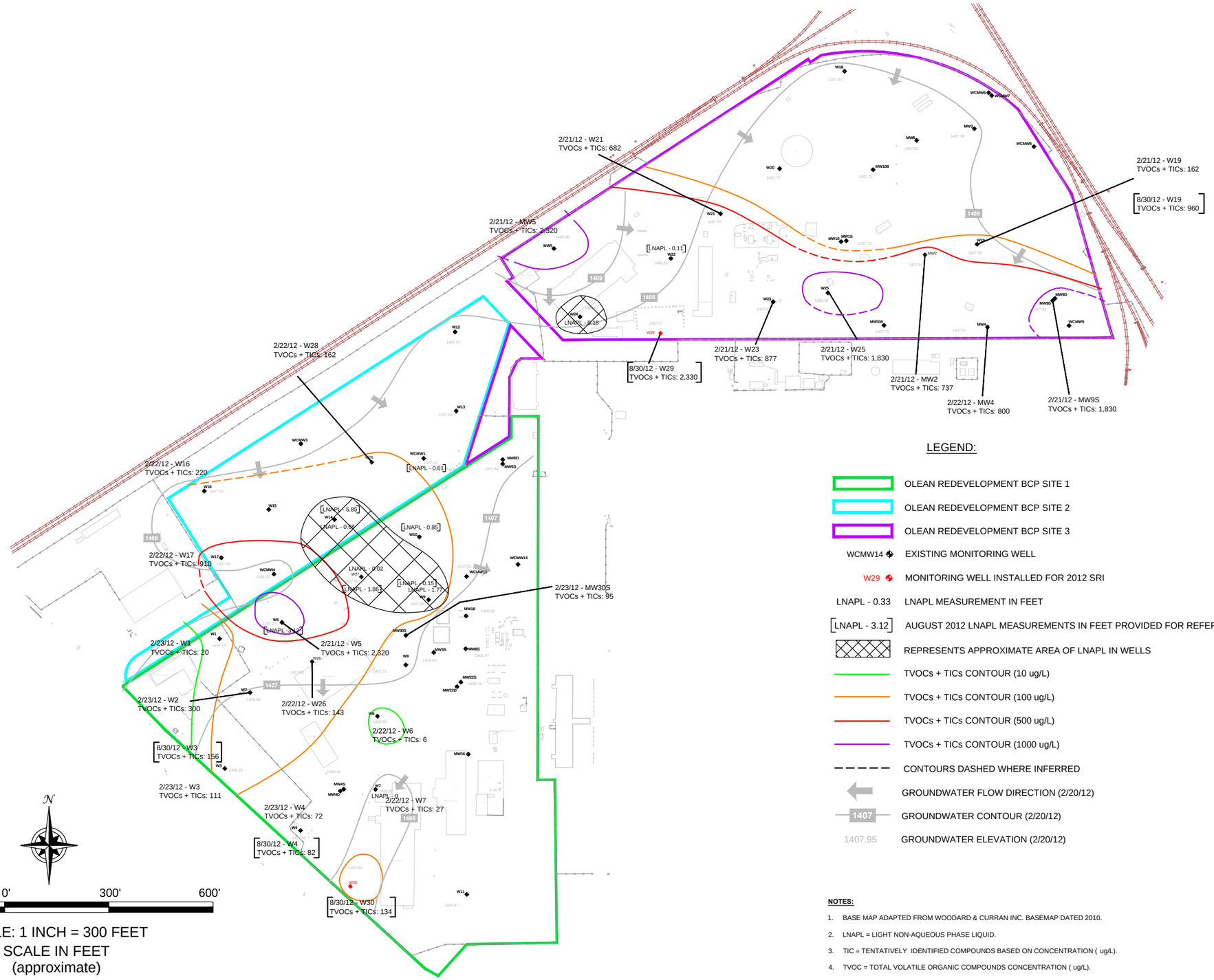
RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-7

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 4-5-7; TVOCs and LNAPL (2008,2012, TVOC+TICS 2012).dwg



SCALE: 1 INCH = 300 FEET
SCALE IN FEET
(approximate)

LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- WCMW14 — EXISTING MONITORING WELL
- W29 — MONITORING WELL INSTALLED FOR 2012 SRI
- LNAPL - 0.33 — LNAPL MEASUREMENT IN FEET
- [LNAPL - 3.12] — AUGUST 2012 LNAPL MEASUREMENTS IN FEET PROVIDED FOR REFERENCE
- REPRESENTS APPROXIMATE AREA OF LNAPL IN WELLS
- TVOCs + TICs CONTOUR (10 ug/L)
- TVOCs + TICs CONTOUR (100 ug/L)
- TVOCs + TICs CONTOUR (500 ug/L)
- TVOCs + TICs CONTOUR (1000 ug/L)
- CONTOURS DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION (2/20/12)
- 1407 — GROUNDWATER CONTOUR (2/20/12)
- 1407.95 — GROUNDWATER ELEVATION (2/20/12)

NOTES:

1. BASE MAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.
3. TIC = TENTATIVELY IDENTIFIED COMPOUNDS BASED ON CONCENTRATION (ug/L).
4. TVOC = TOTAL VOLATILE ORGANIC COMPOUNDS CONCENTRATION (ug/L).

DATE: NOVEMBER 2012
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

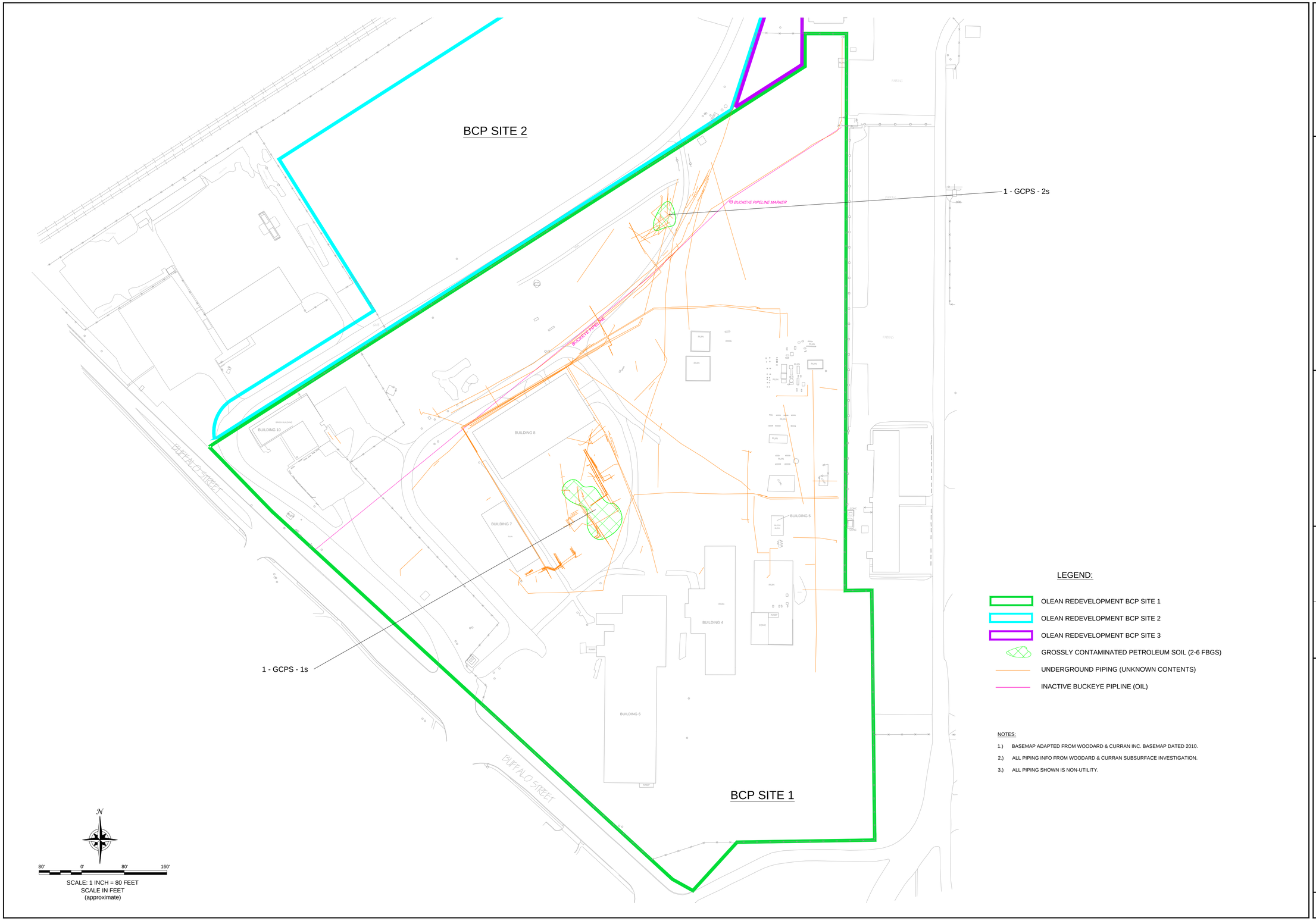
TOTAL VOCs (+TICS) AND LNAPL IN GROUNDWATER FEBRUARY 2012

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-8



TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

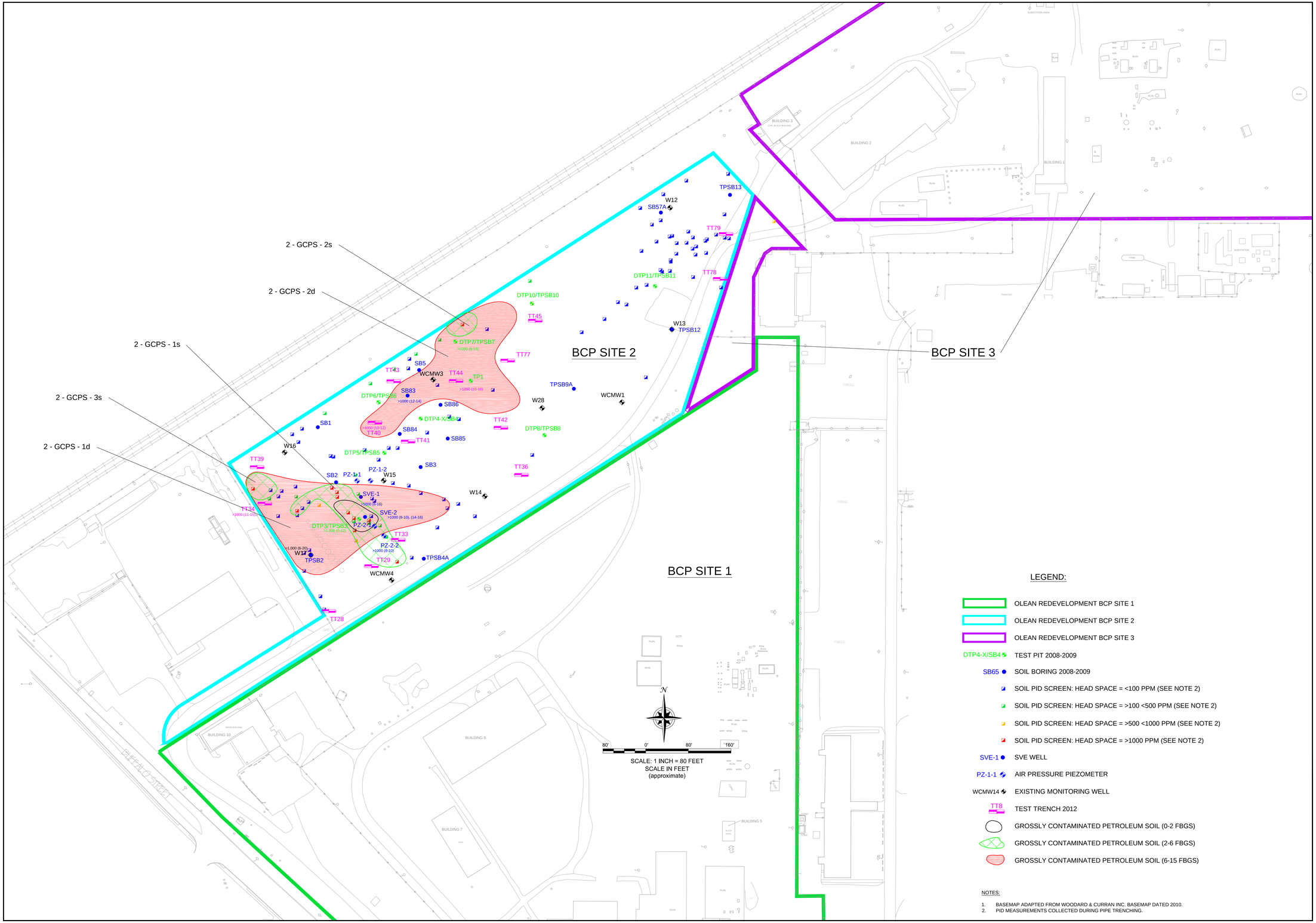
DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

SHALLOW GROSSLY CONTAMINATED PETROLEUM SOIL PROXIMATE TOSUBSURFACE PIPING - BCP SITE 1

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-9



TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

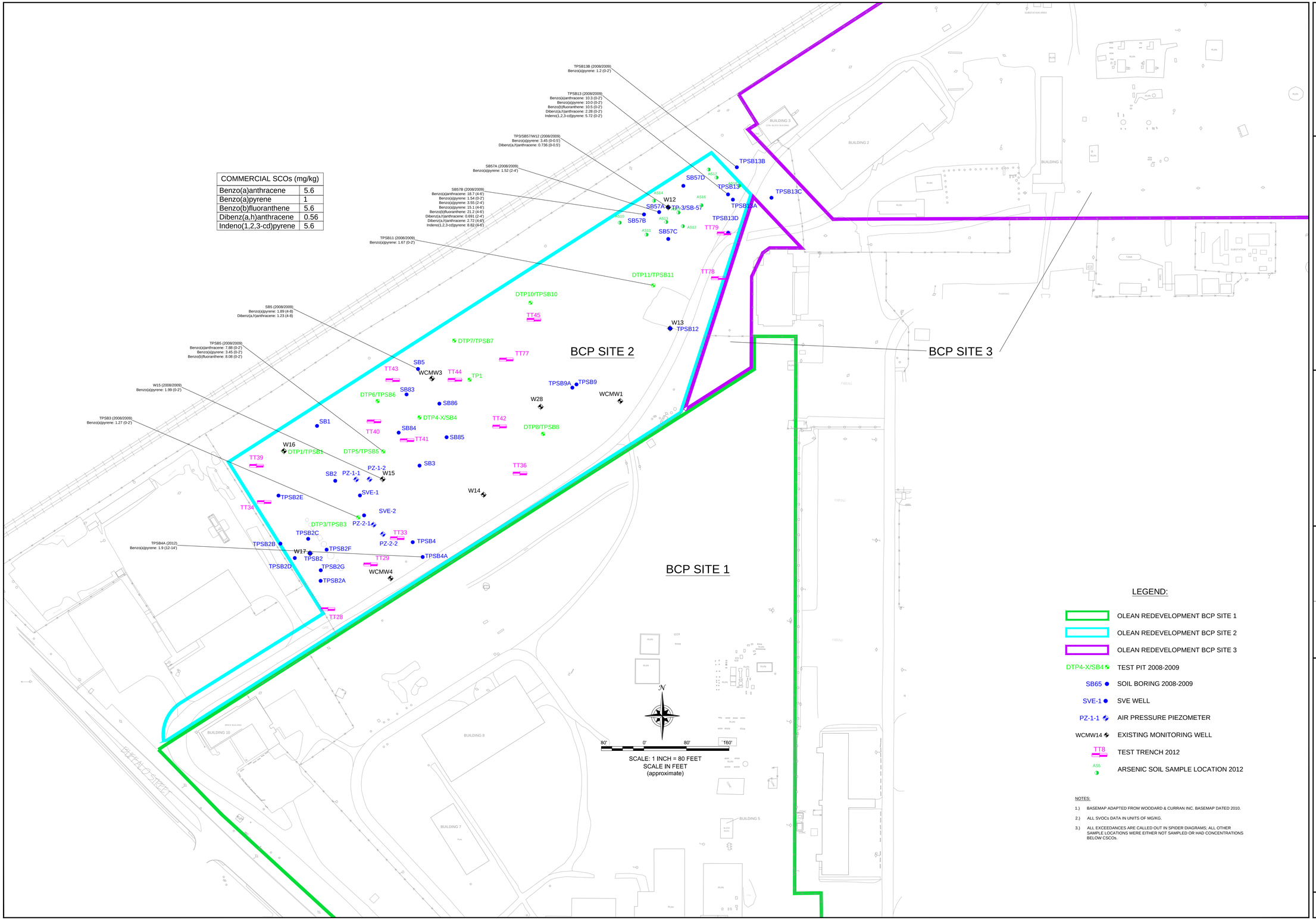
DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING IS TO BE RETURNED UPON REQUEST OR REJECTION AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

GROSSLY CONTAMINATED PETROLEUM SOIL BCP SITE 2

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-10



COMMERCIAL SCOs (mg/kg)	
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Dibenz(a,h)anthracene	0.56
Indeno(1,2,3-cd)pyrene	5.6

LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- SVE-1 — SVE WELL
- PZ-1-1 — AIR PRESSURE PIEZOMETER
- WCMW14 — EXISTING MONITORING WELL
- TT8 — TEST TRENCH 2012
- AS5 — ARSENIC SOIL SAMPLE LOCATION 2012

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL SVOCs DATA IN UNITS OF MG/KG.

3.) ALL EXCEEDANCES ARE CALLED OUT IN SPIDER DIAGRAMS; ALL OTHER SAMPLE LOCATIONS WERE EITHER NOT SAMPLED OR HAD CONCENTRATIONS BELOW CSCOs.

TURNKEY ENVIRONMENTAL RESTORATION LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING IS NOT TO BE LOANED OR SUBMITTED AS EVIDENCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM WITHOUT THE BENEFIT OF PARTIES OTHER THAN NECESSARY GOVERNMENTAL AGENCIES WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

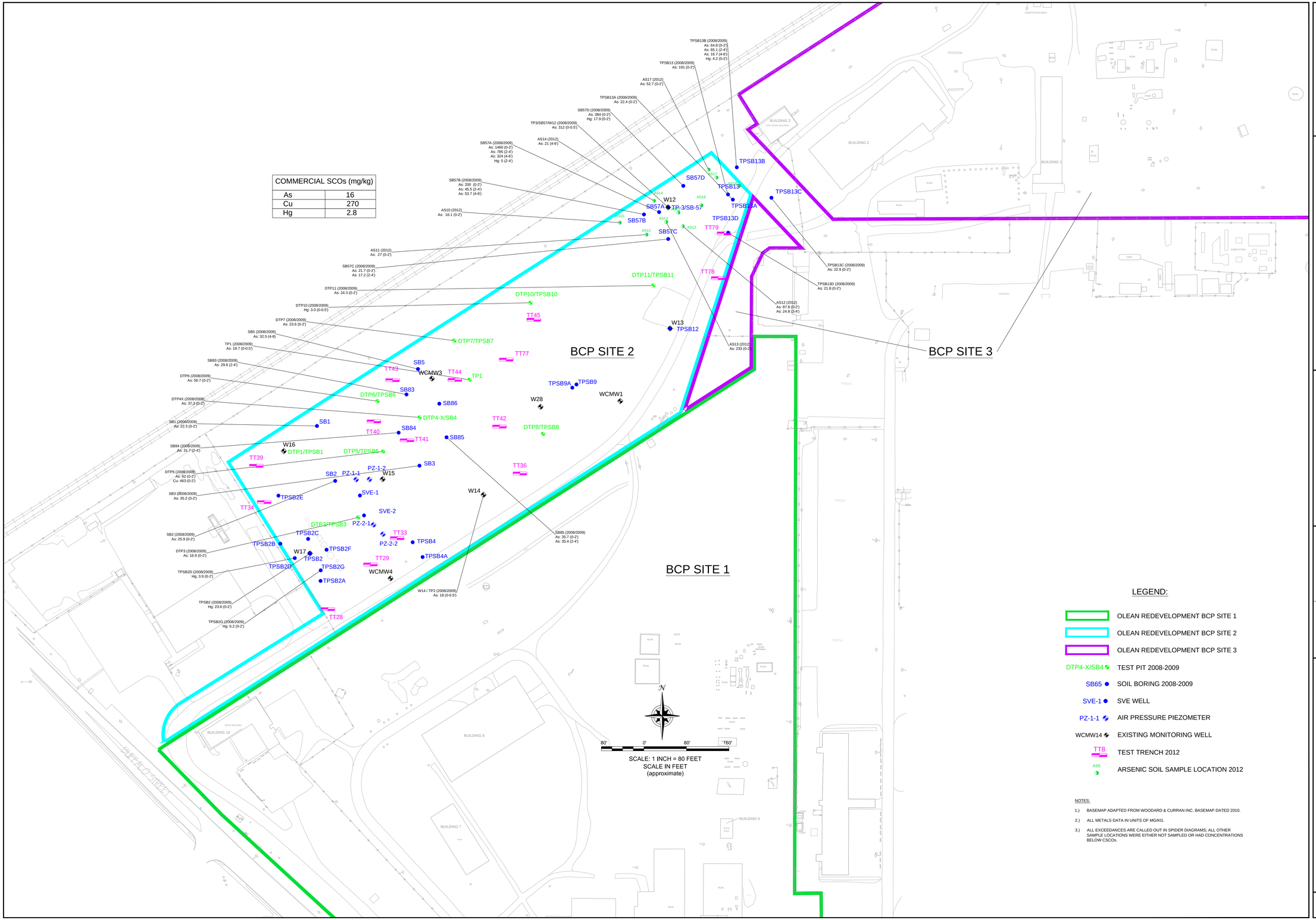
SVOC EXCEEDENCES OF CSCOs BCP SITE 2

RIAA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-11



TURNKEY ENVIRONMENTAL RESTORATION LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO. 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY: APPROVED-BY

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING IS NOT TO BE ALTERED WITHOUT WRITTEN CONSENT AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DUPLICATED OR DISCLOSED TO ANYONE OTHER THAN THE BENEFIT OF PARTIES OTHER THAN NECESSARY REGULATORY APPROVAL WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

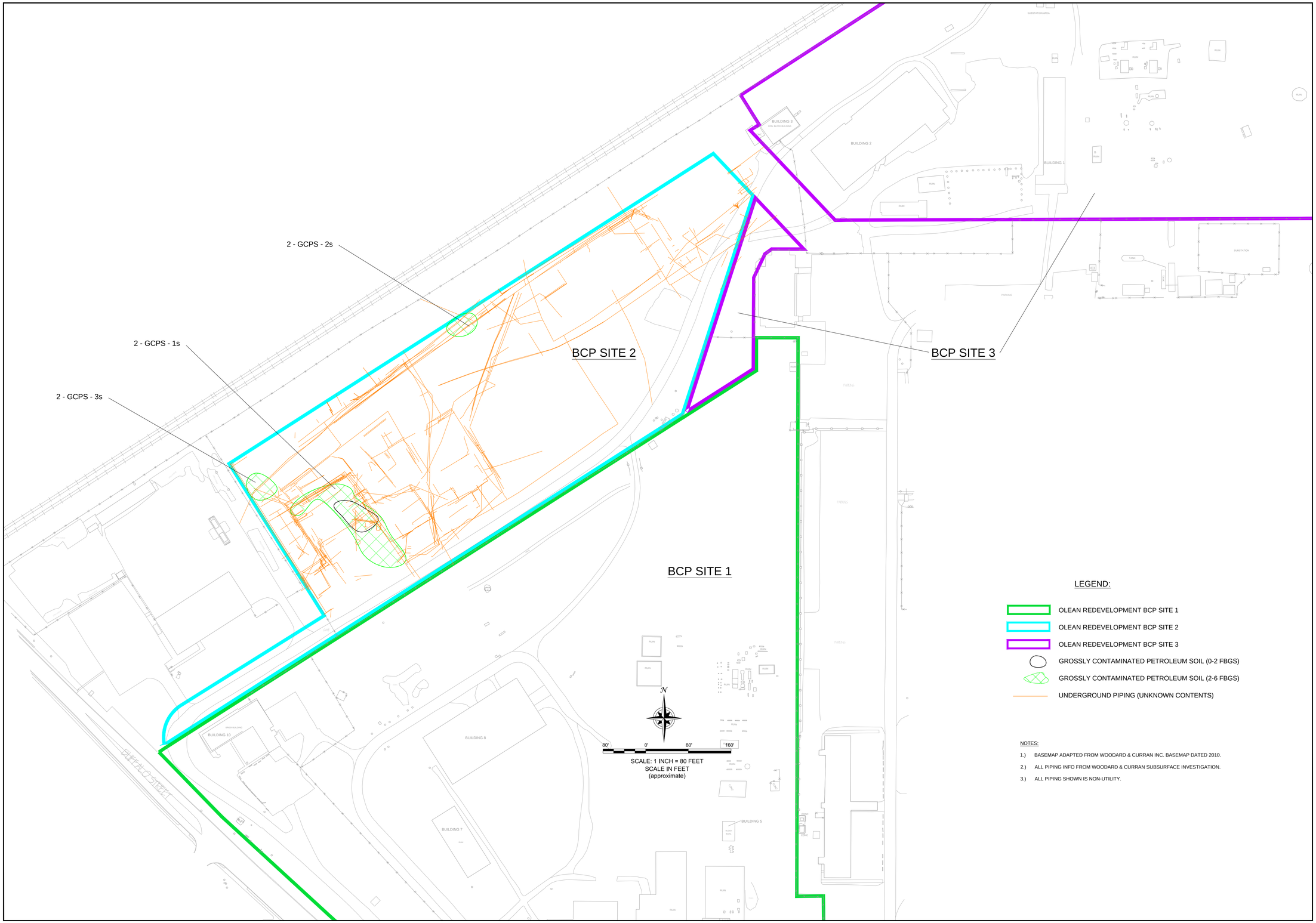
METALS EXCEEDENCES OF CSCOs BCP SITE 2

RIAA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-12



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- GROSSLY CONTAMINATED PETROLEUM SOIL (0-2 FBGS)
- GROSSLY CONTAMINATED PETROLEUM SOIL (2-6 FBGS)
- UNDERGROUND PIPING (UNKNOWN CONTENTS)

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL PIPING INFO FROM WOODARD & CURRAN SUBSURFACE INVESTIGATION.

3.) ALL PIPING SHOWN IS NON-UTILITY.

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY:	BLR
DATE:	NOVEMBER 2012
CHECKED BY:	CHECKED-BY
APPROVED BY:	APPROVED-BY

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING WAS PREPARED FOR USE IN THE RI/AA PROCESS AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE REPRODUCED OR PROVIDED TO ANYONE OTHER THAN THE BENEFIT OF PARTIES OTHER THAN NECESSARY PARTICIPANTS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

SHALLOW GROSSLY CONTAMINATED PETROLEUM SOIL PROXIMATE TO SUBSURFACE PIPING - BCP SITE 2

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY

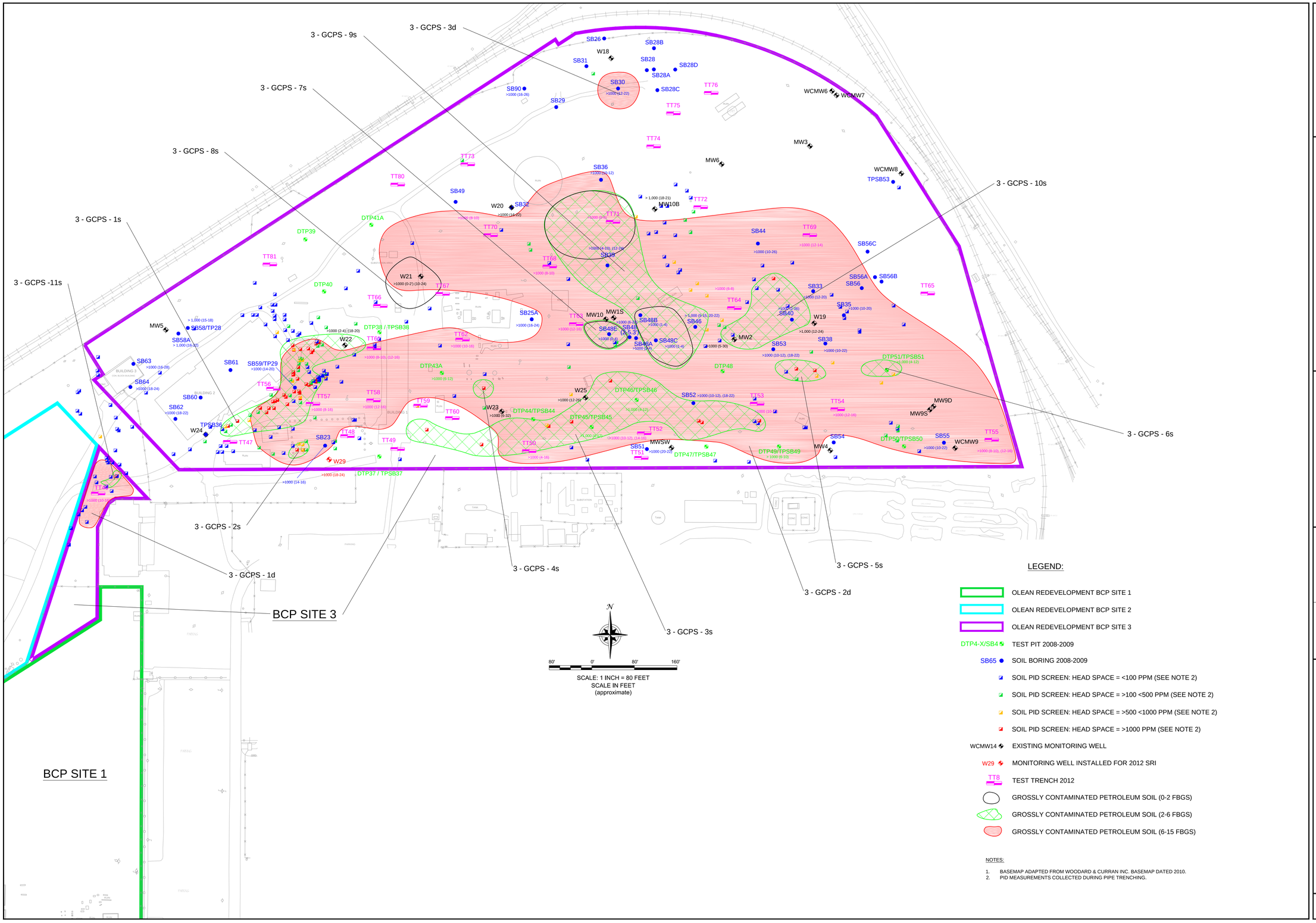
OLEAN, NEW YORK

BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR

OLEAN GATEWAY, LLC

FIGURE 4-13



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- SOIL PID SCREEN: HEAD SPACE = <100 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >100 <500 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >500 <1000 PPM (SEE NOTE 2)
- SOIL PID SCREEN: HEAD SPACE = >1000 PPM (SEE NOTE 2)
- WCMW14 — EXISTING MONITORING WELL
- W29 — MONITORING WELL INSTALLED FOR 2012 SRI
- TT8 — TEST TRENCH 2012
- GROSSLY CONTAMINATED PETROLEUM SOIL (0-2 FBGS)
- GROSSLY CONTAMINATED PETROLEUM SOIL (2-6 FBGS)
- GROSSLY CONTAMINATED PETROLEUM SOIL (6-15 FBGS)

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. PID MEASUREMENTS COLLECTED DURING PIPE TRENCHING.

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY:

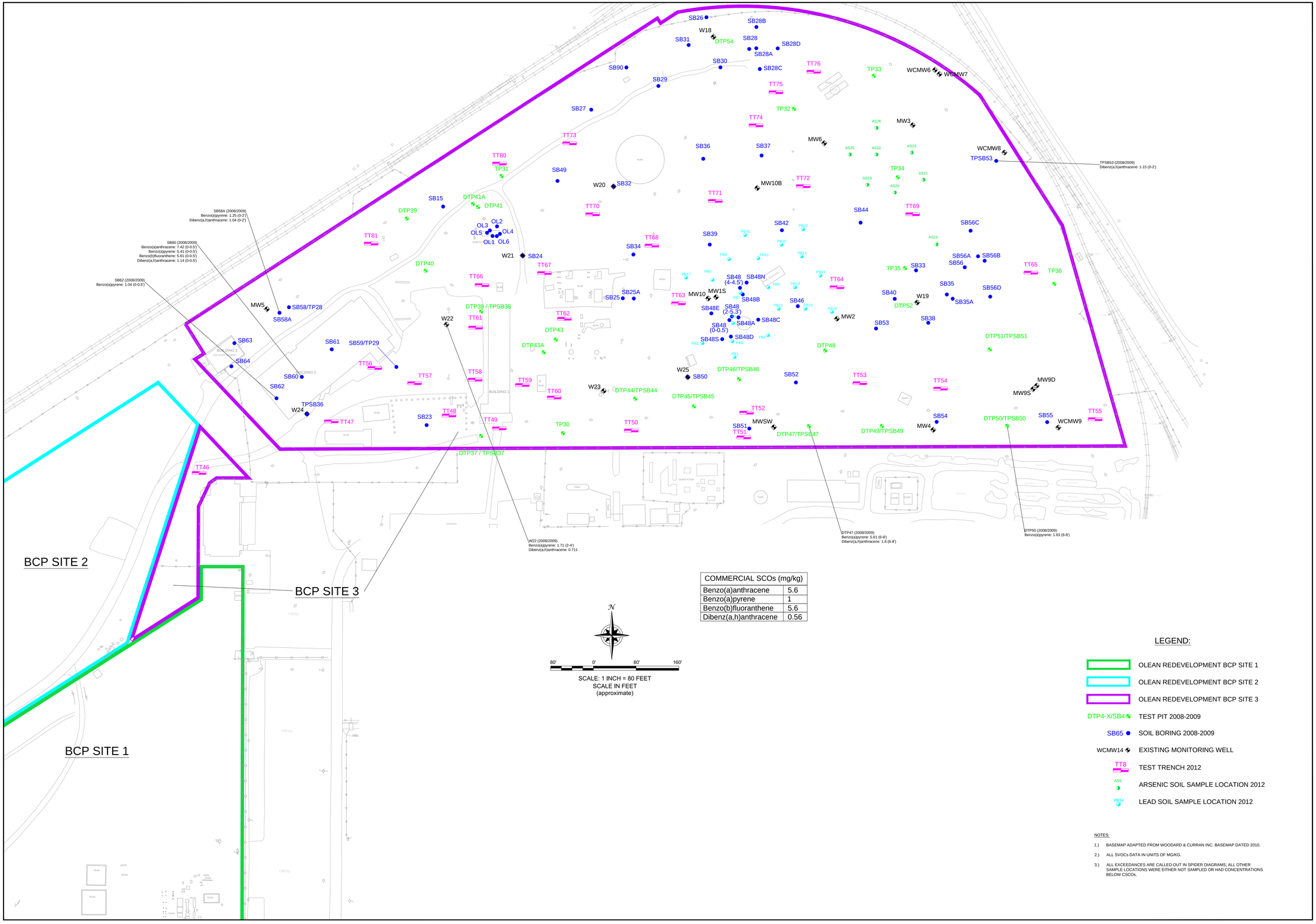
DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

GROSSLY CONTAMINATED PETROLEUM SOIL
BCP SITE 3

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-14



COMMERCIAL SCOs (mg/kg)	
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Dibenz(a,h)anthracene	0.56

LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- DTP4-X/SB4 — TEST PIT 2008-2009
- SB65 — SOIL BORING 2008-2009
- WCMW14 — EXISTING MONITORING WELL
- TT8 — TEST TRENCH 2012
- AS5 — ARSENIC SOIL SAMPLE LOCATION 2012
- PB14 — LEAD SOIL SAMPLE LOCATION 2012

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL SVOCs DATA IN UNITS OF MG/KG.

3.) ALL EXCEEDANCES ARE CALLED OUT IN SPIDER DIAGRAMS; ALL OTHER SAMPLE LOCATIONS WERE EITHER NOT SAMPLED OR HAD CONCENTRATIONS BELOW CSCOs.

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY:

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

SVOC EXCEEDENCES OF CSCOs BCP SITE 3

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY

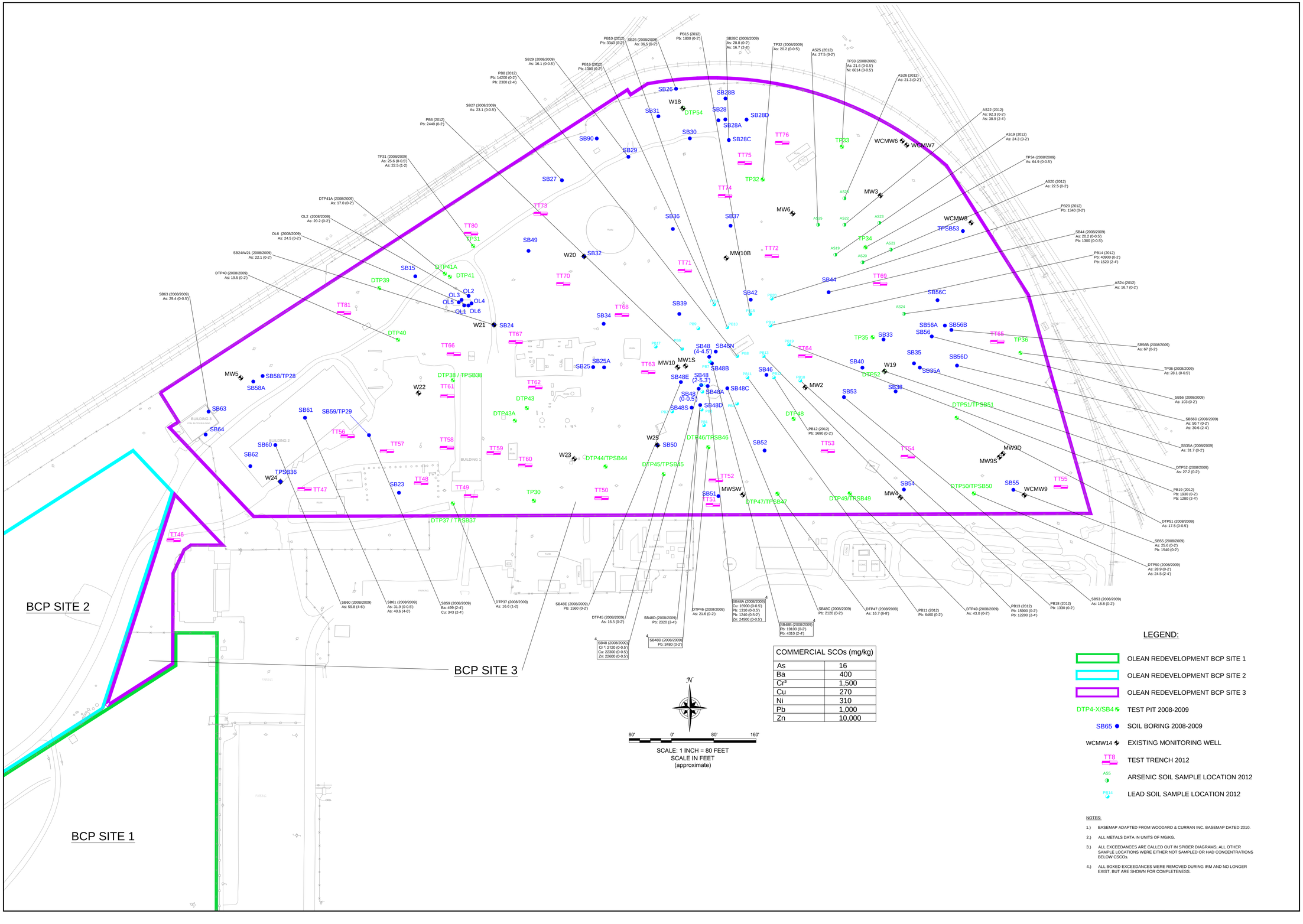
OLEAN, NEW YORK

BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR

OLEAN GATEWAY, LLC

FIGURE 4-15



COMMERCIAL SCOs (mg/kg)	
As	16
Ba	400
Cr^3	1,500
Cu	270
Ni	310
Pb	1,000
Zn	10,000

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL METALS DATA IN UNITS OF MG/KG.

3.) ALL EXCEEDANCES ARE CALLED OUT IN SPIDER DIAGRAMS; ALL OTHER SAMPLE LOCATIONS WERE EITHER NOT SAMPLED OR HAD CONCENTRATIONS BELOW CSCOs.

4.) ALL BOXED EXCEEDANCES WERE REMOVED DURING IRM AND NO LONGER EXIST, BUT ARE SHOWN FOR COMPLETENESS.

TURNKEY ENVIRONMENTAL RESTORATION LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO. 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED BY
APPROVED BY:

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS REPORT IS TO BE USED ONLY IN ACCORDANCE WITH AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREIN IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY REGULATORY AGENCIES WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

METALS EXCEEDENCES OF CSCOs BCP SITE 3

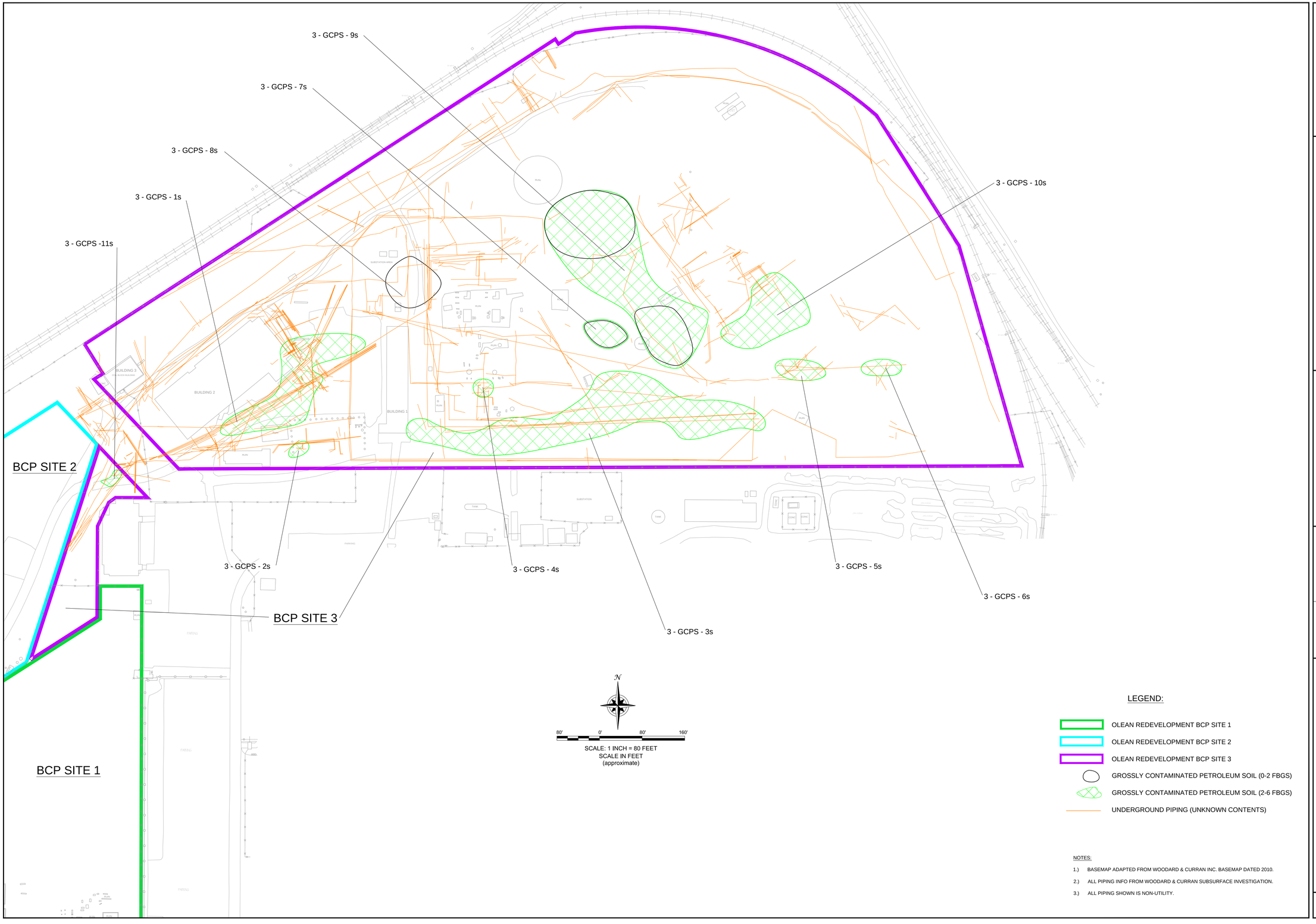
RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR

OLEAN GATEWAY, LLC

FIGURE 4-16



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- GROSSLY CONTAMINATED PETROLEUM SOIL (0-2 FBGS)
- GROSSLY CONTAMINATED PETROLEUM SOIL (2-6 FBGS)
- UNDERGROUND PIPING (UNKNOWN CONTENTS)

NOTES:

1.) BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

2.) ALL PIPING INFO FROM WOODARD & CURRAN SUBSURFACE INVESTIGATION.

3.) ALL PIPING SHOWN IS NON-UTILITY.

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY:

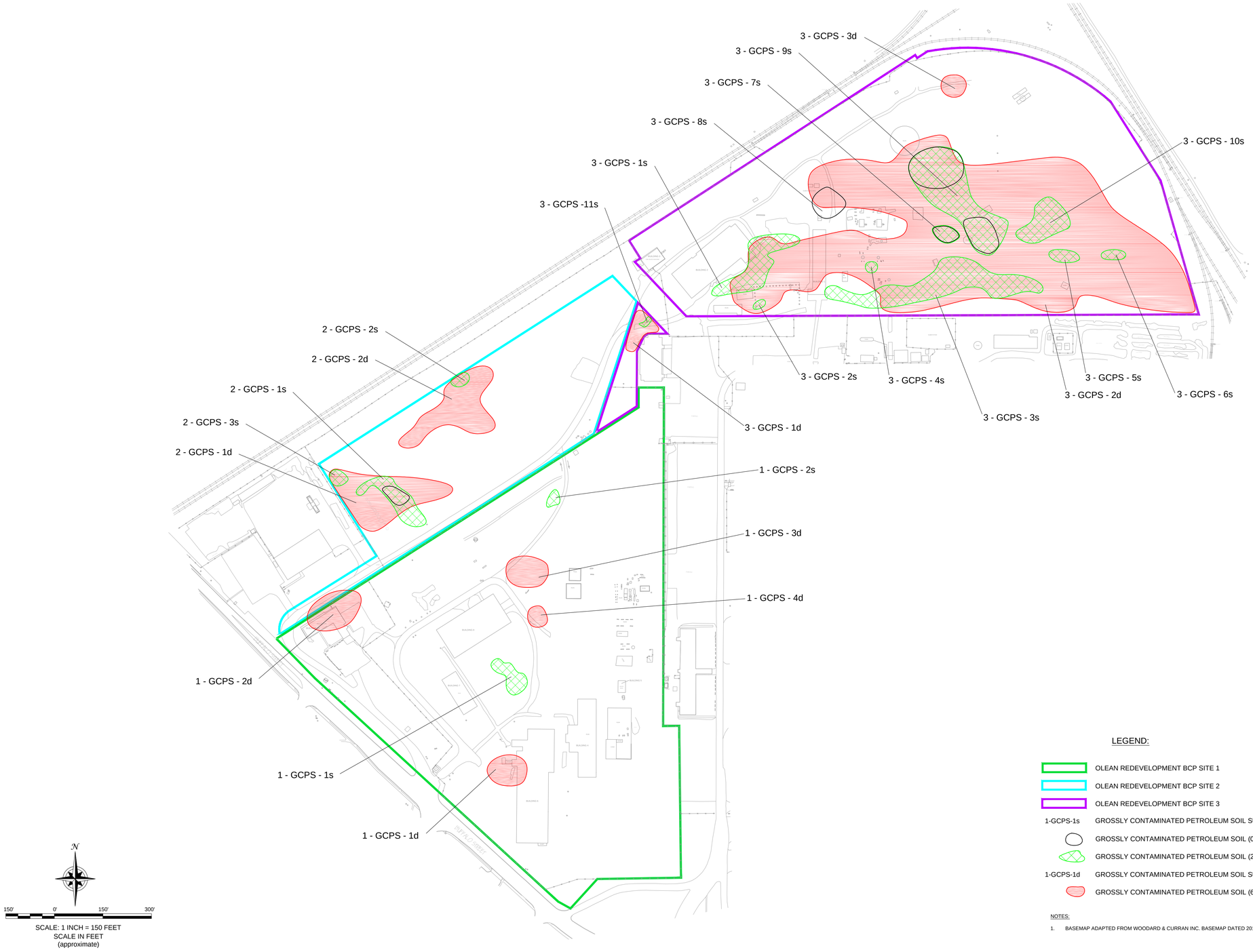
DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

SHALLOW GROSSLY CONTAMINATED PETROLEUM SOIL PROXIMATE TO SUBSURFACE PIPING - BCP SITE 3

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 4-17



LEGEND:

	OLEAN REDEVELOPMENT BCP SITE 1
	OLEAN REDEVELOPMENT BCP SITE 2
	OLEAN REDEVELOPMENT BCP SITE 3
1-GCPS-1s	GROSSLY CONTAMINATED PETROLEUM SOIL SURFACE/NEAR SURFACE (0-2' / 2-6')
	GROSSLY CONTAMINATED PETROLEUM SOIL (0-2 FBGS)
	GROSSLY CONTAMINATED PETROLEUM SOIL (2-6 FBGS)
1-GCPS-1d	GROSSLY CONTAMINATED PETROLEUM SOIL SUBSURFACE
	GROSSLY CONTAMINATED PETROLEUM SOIL (6-15 FBGS)

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY:

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

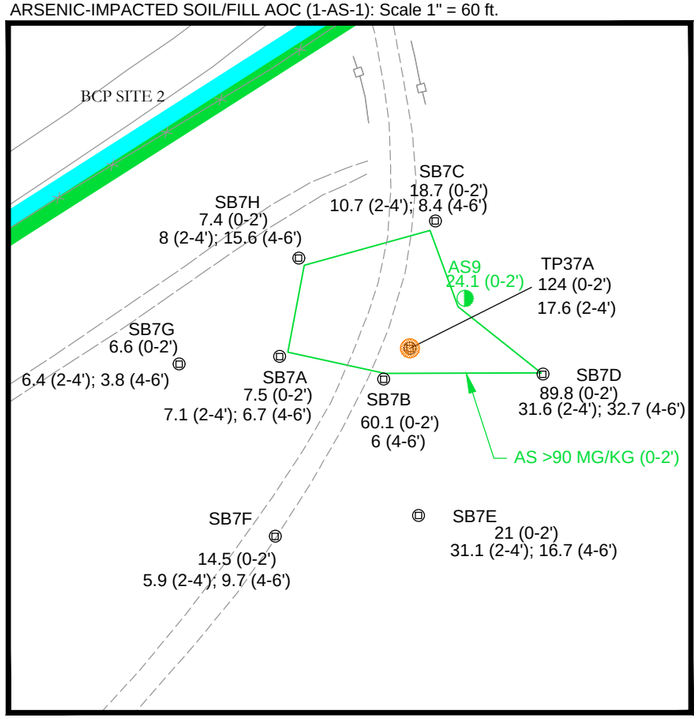
SUMMARY OF GROSSLY CONTAMINATED PETROLEUM SOIL AREAS

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

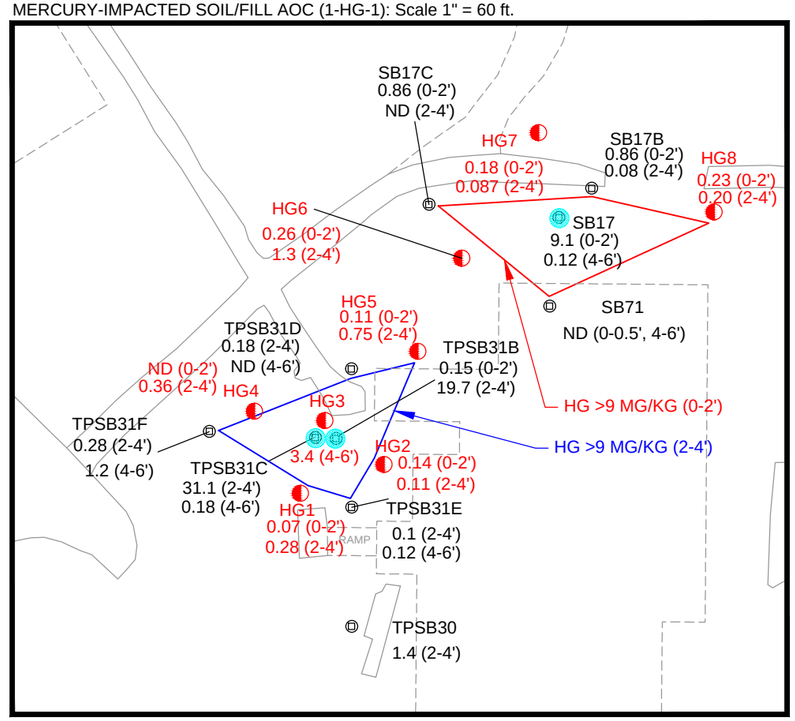
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 8-1

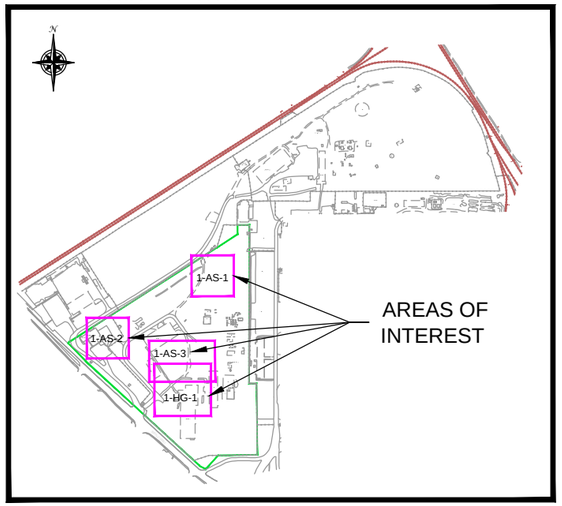
ARSENIC-IMPACTED SOIL/FILL AOC (1-AS-1): Scale 1" = 60 ft.



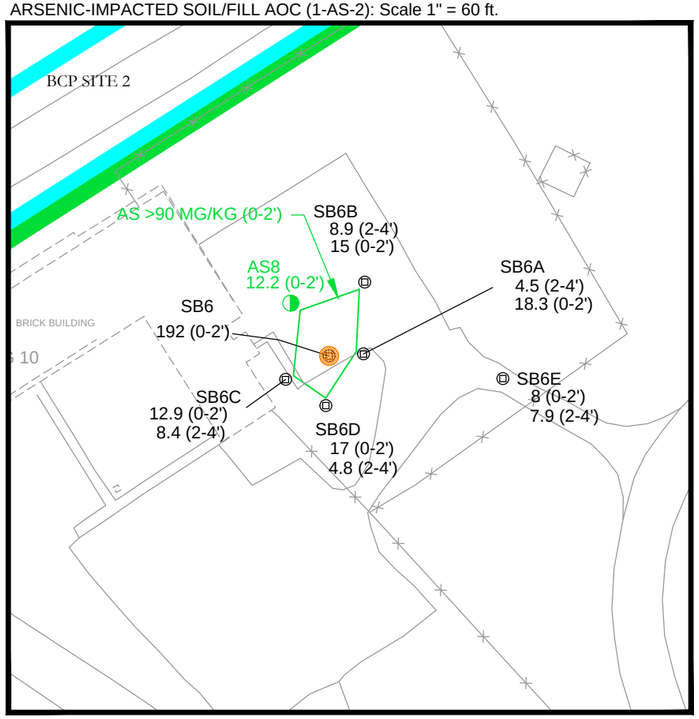
MERCURY-IMPACTED SOIL/FILL AOC (1-HG-1): Scale 1" = 60 ft.



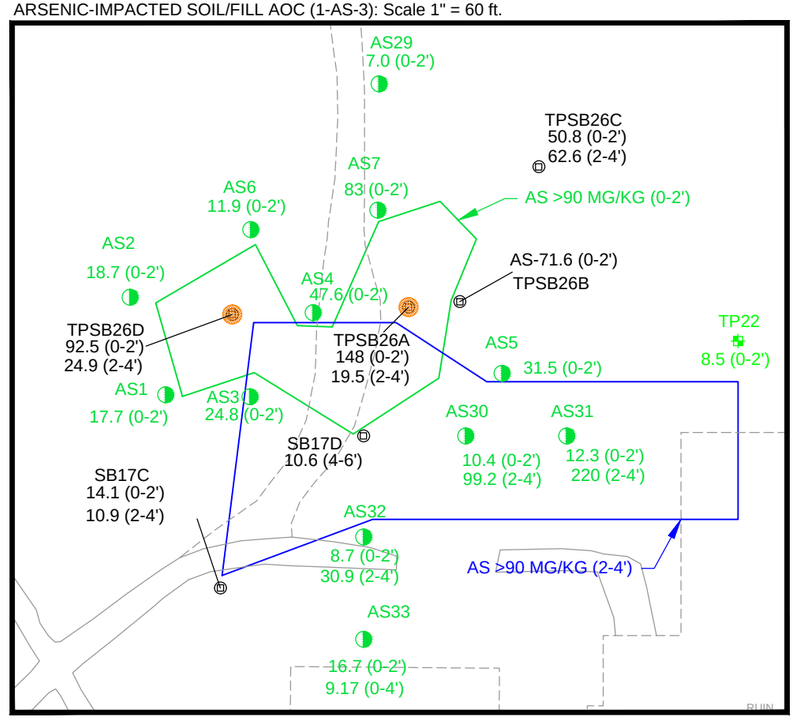
SITE PLAN: Scale 1" = 1000 ft.



ARSENIC-IMPACTED SOIL/FILL AOC (1-AS-2): Scale 1" = 60 ft.



ARSENIC-IMPACTED SOIL/FILL AOC (1-AS-3): Scale 1" = 60 ft.



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- RAILROAD TRACK
- CHAIN LINK FENCE

ANALYTICAL DATA SHOWN IS LIMITED TO THE METAL OF INTEREST (E.G., ONLY MERCURY IS SHOWN IN THE MERCURY AREA OF INTEREST)

- TPSB26B 71.6 (0-2') — SAMPLE DESIGNATION FROM RI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- AS5 31.5 — SAMPLE DESIGNATION FROM 2012 SRI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- AS > 90 MG/KG
- HG > 9 MG/KG
- HG8 0.23 — SAMPLE DESIGNATION FROM 2012 SRI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- CONTOUR REPRESENTS MAXIMUM EXTENT OF AREA EXCEEDING SSAL

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. MG/KG = MILLIGRAMS PER KILOGRAM
3. AS = ARSENIC
4. HG = MERCURY
5. SCALE AS NOTED.

N

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

ARSENIC AND MERCURY EXCEEDENCES OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 1

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

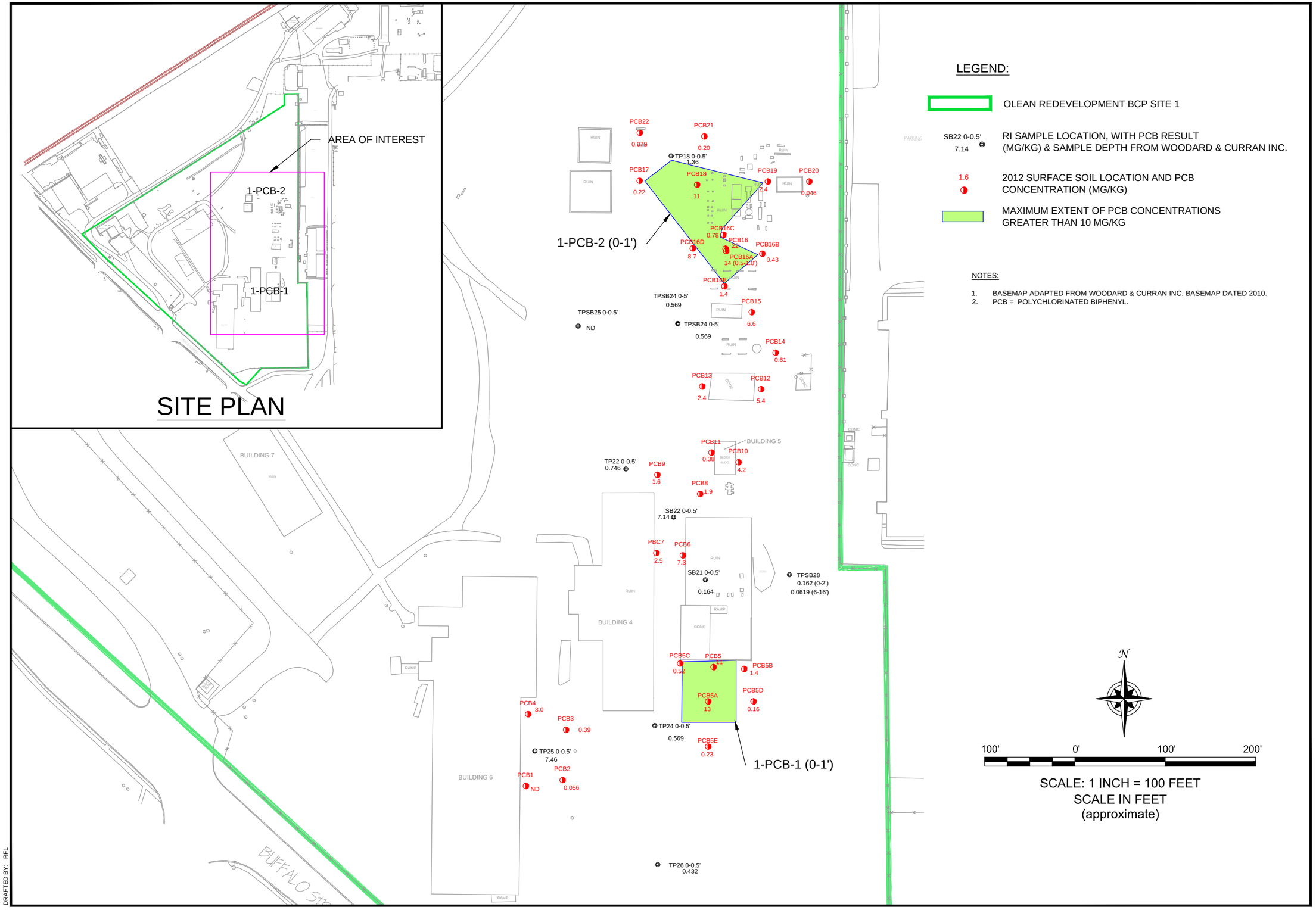
PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 8-2

DATE: JANUARY 2013
DRAFTED BY: BLR

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-2,8-6,8-7; Near Surface Metals (All Parcels).dwg

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-3; PCBs Surface Soils.dwg



DATE: NOVEMBER 2012
DRAFTED BY: RFL

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635
TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

PCBs EXCEEDENCE OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 1

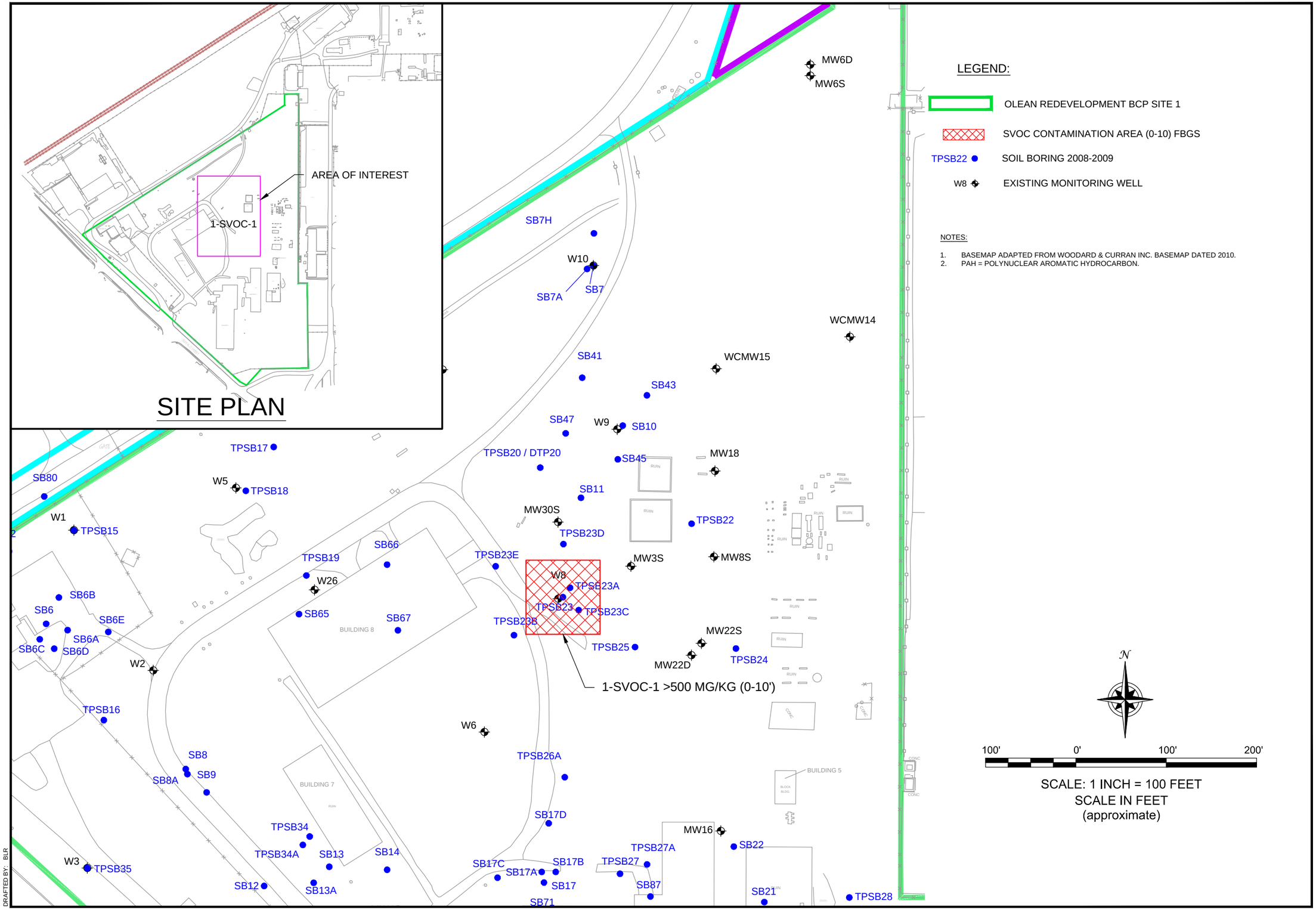
RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 8-3

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-4, SVOC-Impacted Soil.dwg



DATE: JANUARY 2013
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

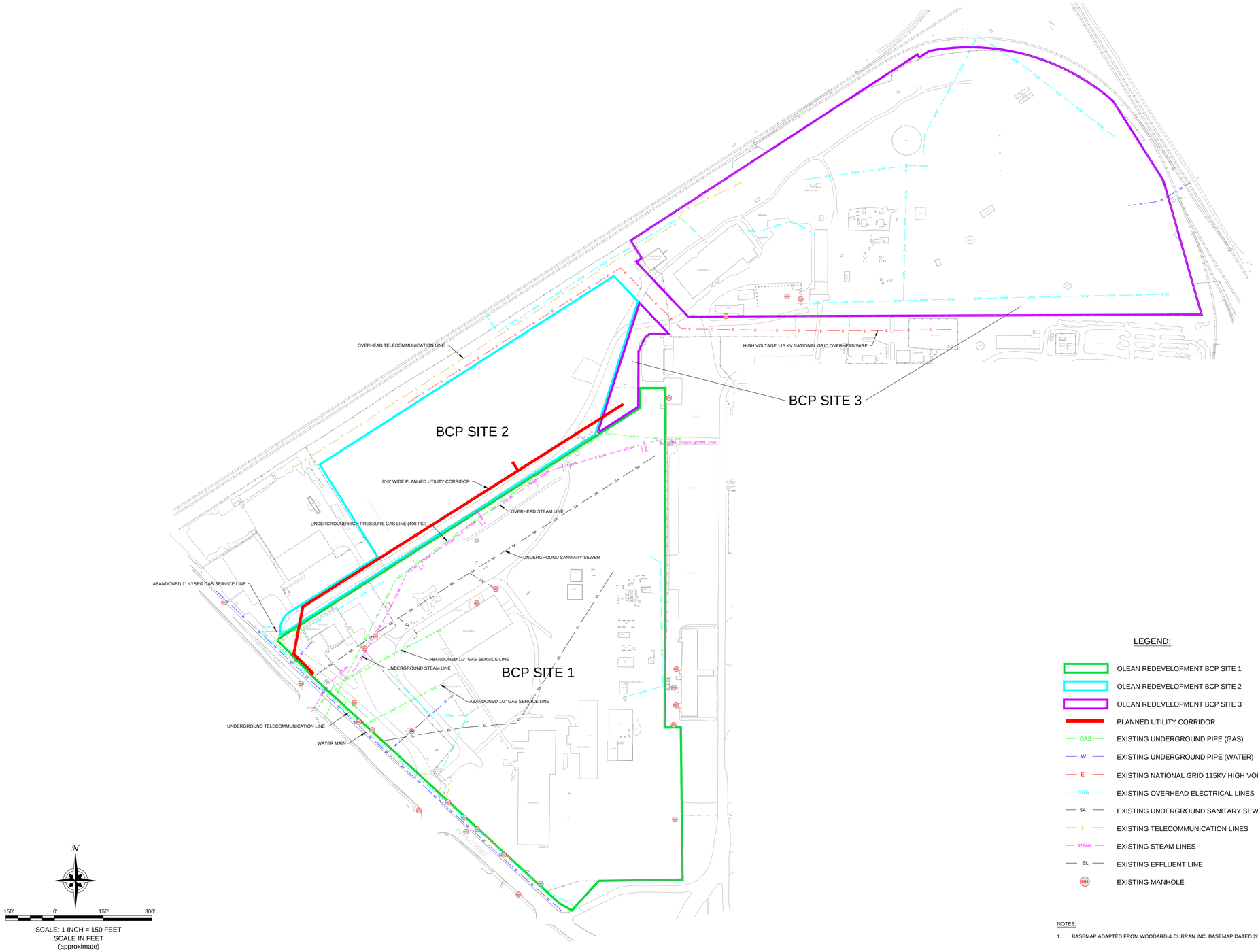
SVOC EXCEEDENCES OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 1

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 8-4



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- PLANNED UTILITY CORRIDOR
- GAS — EXISTING UNDERGROUND PIPE (GAS)
- W — EXISTING UNDERGROUND PIPE (WATER)
- E — EXISTING NATIONAL GRID 115KV HIGH VOLTAGE ELECTRICAL OVERHEAD WIRE
- OHW — EXISTING OVERHEAD ELECTRICAL LINES
- SA — EXISTING UNDERGROUND SANITARY SEWER
- T — EXISTING TELECOMMUNICATION LINES
- STEAM — EXISTING STEAM LINES
- EL — EXISTING EFFLUENT LINE
- MH — EXISTING MANHOLE

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0250-012-001

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: NOVEMBER 2012
CHECKED BY: CHECKED-BY
APPROVED BY:

DISCLAIMER:
PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.

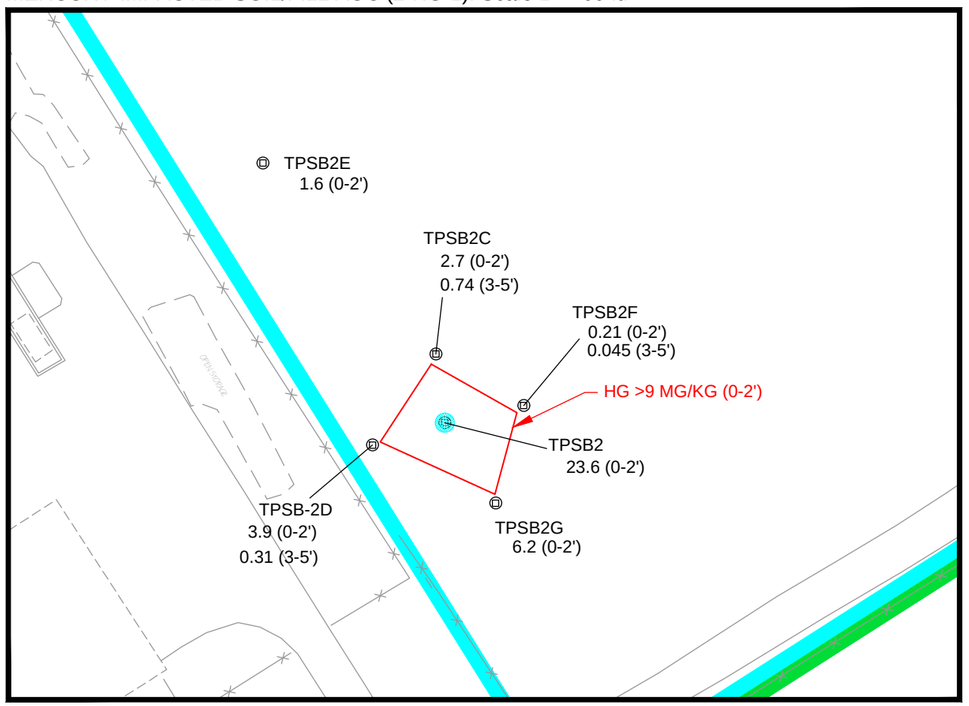
PLANNED UTILITY CORRIDOR LAYOUT

RI/AA REPORT
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033
PREPARED FOR
OLEAN GATEWAY, LLC

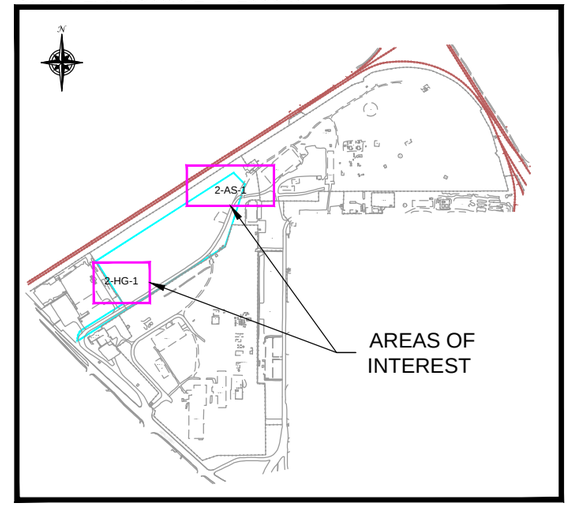
FIGURE 8-5

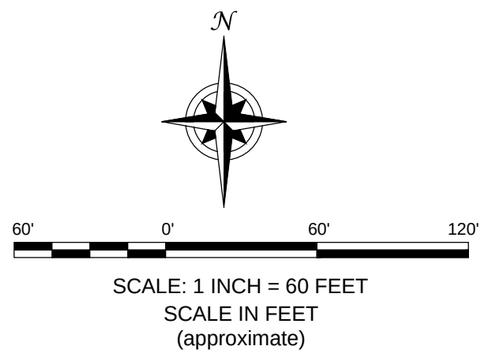
F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-2,8-6,8-7; Near Surface Metals (All Parcels).dwg

MERCURY-IMPACTED SOIL/FILL AOC (2-HG-1): Scale 1" = 60 ft.

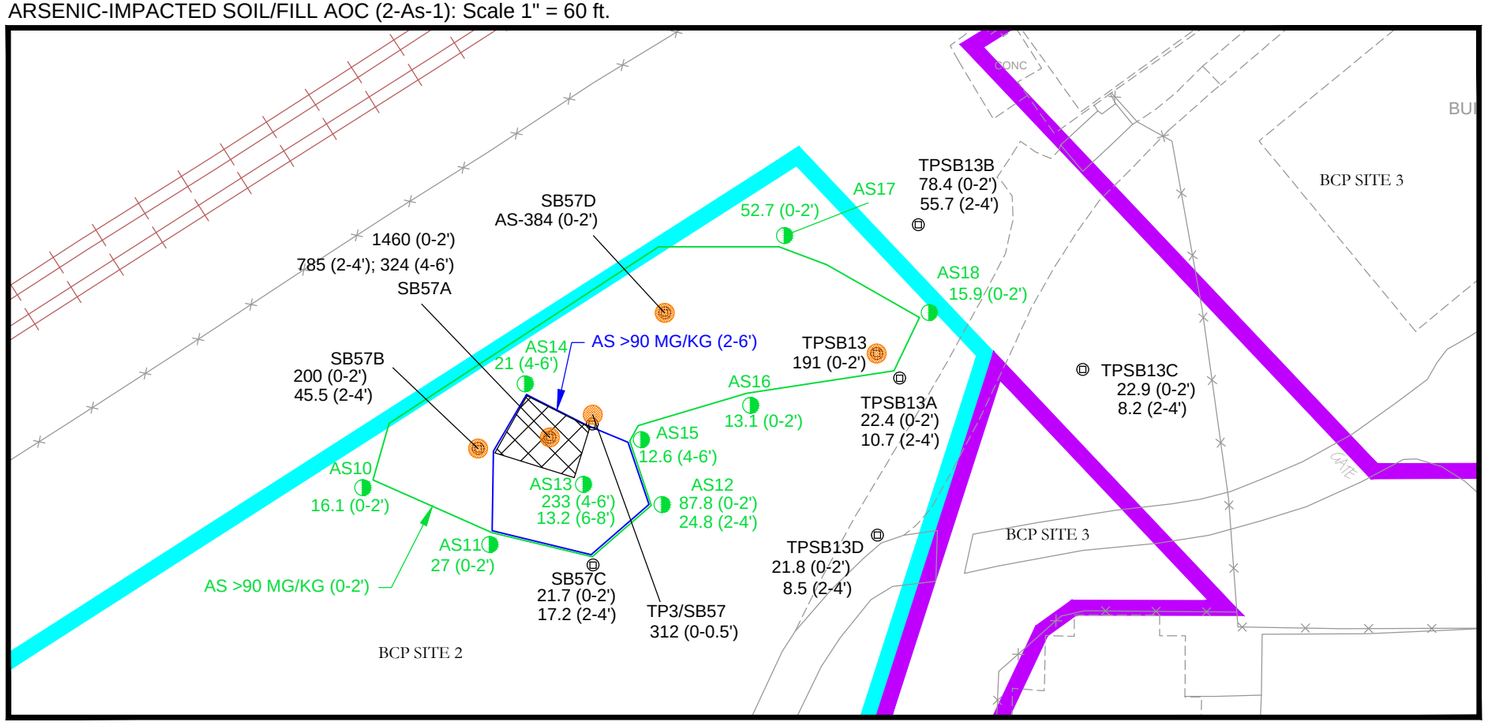


SITE PLAN: Scale 1" = 1000 ft.





ARSENIC-IMPACTED SOIL/FILL AOC (2-As-1): Scale 1" = 60 ft.



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- RAILROAD TRACK
- CHAIN LINK FENCE

ANALYTICAL DATA SHOWN IS LIMITED TO THE METAL OF INTEREST (E.G., ONLY MERCURY IS SHOWN IN THE MERCURY AREA OF INTEREST)

- TPSB26B 71.6 (0-2') — SAMPLE DESIGNATION FROM RI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- AS5 31.5 — SAMPLE DESIGNATION FROM 2012 SRI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- AS > 90 MG/KG
- HG > 9 MG/KG
- CONTOUR REPRESENTS MAXIMUM EXTENT OF AREA EXCEEDING SSAL
- POTENTIALLY HAZARDOUS ARSENIC AREA BASED ON TCLP ARSENIC OF 6.6 MG/L AT SB57A (0-6')

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. MG/KG = MILLIGRAMS PER KILOGRAM
3. AS = ARSENIC
4. HG = MERCURY
5. SCALE AS NOTED.

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

ARSENIC AND MERCURY EXCEEDENCES OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 2

RI/AA REPORT

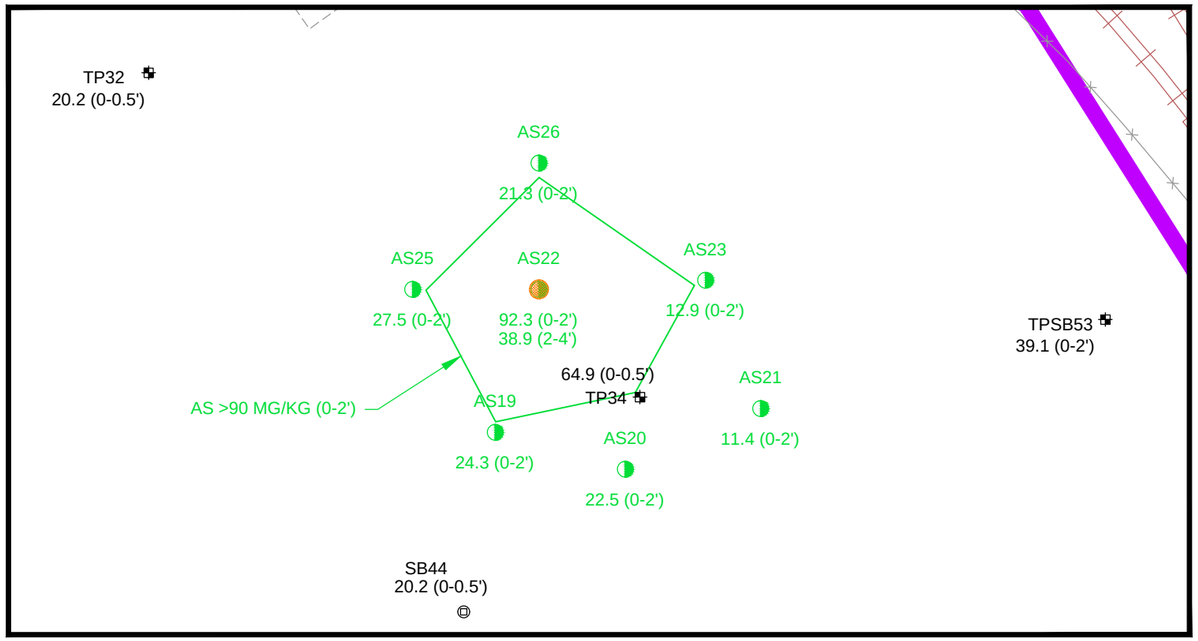
OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

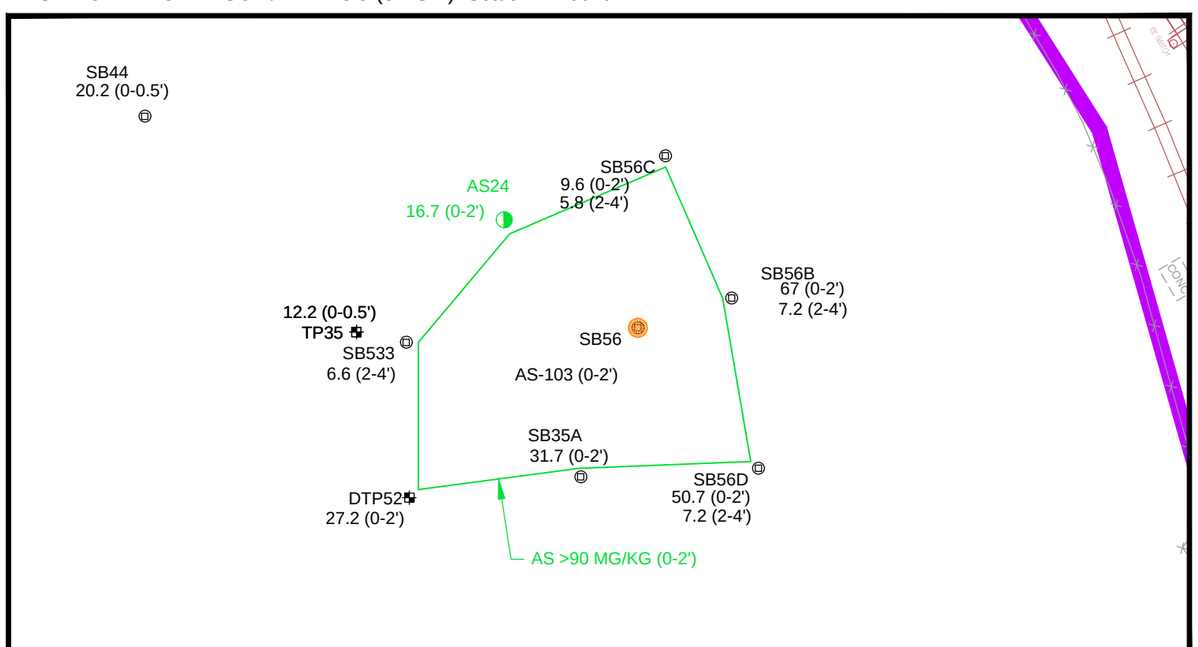
FIGURE 8-6

DATE: JANUARY 2013
DRAFTED BY: BLR

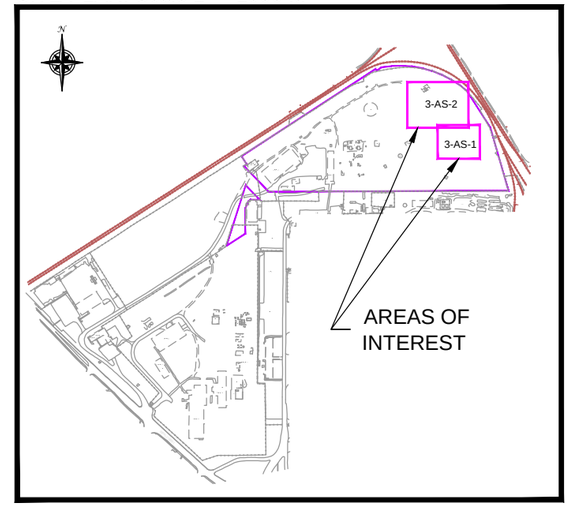
ARSENIC-IMPACTED SOIL/FILL AOC (3-AS-2): Scale 1" = 60 ft.



ARSENIC-IMPACTED SOIL/FILL AOC (3-AS-1): Scale 1" = 60 ft.



SITE PLAN: Scale 1" = 1000 ft.



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- RAILROAD TRACK
- CHAIN LINK FENCE

ANALYTICAL DATA SHOWN IS LIMITED TO THE METAL OF INTEREST
(E.G., ONLY LEAD IS SHOWN IN THE LEAD AREA OF INTEREST)

- TPSB26B 71.6 (0-2') — SAMPLE DESIGNATION FROM RI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- AS5 31.5 (0-2') — ARSENIC CONCENTRATION MG/KG AND (SAMPLE DEPTH) 2012 SRI
- PB4 1,200 (0-2') — LEAD CONCENTRATION MG/KG AND (SAMPLE DEPTH) 2012 SRI
- AS > 90 MG/KG
- PB > 2,000 MG/KG
- CONTOUR REPRESENTS MAXIMUM EXTENT OF AREA EXCEEDING SSAL

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. IRM MEANS INTERIM REMEDIAL MEASURE CONSISTING OF SOIL/FILL REMOVAL COMPLETED BY WOODARD & CURRAN.
3. FBGS = FEET BELOW GROUND SURFACE.
4. MG/KG = MILLIGRAMS PER KILOGRAM
5. AS = ARSENIC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

ARSENIC EXCEEDENCES OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 3

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

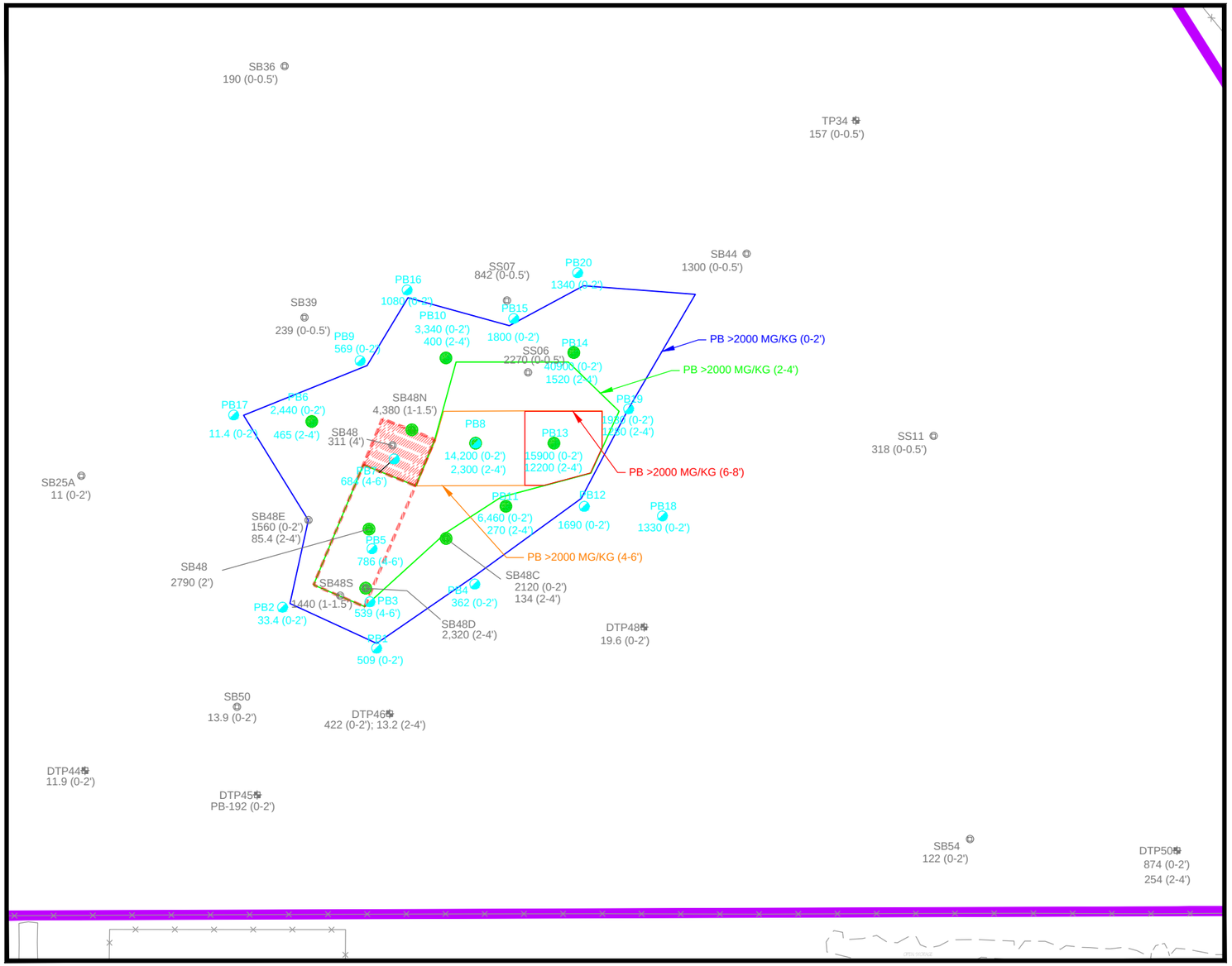
FIGURE 8-7

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-2,8-6,8-7; Near Surface Metals (All Parcels).dwg

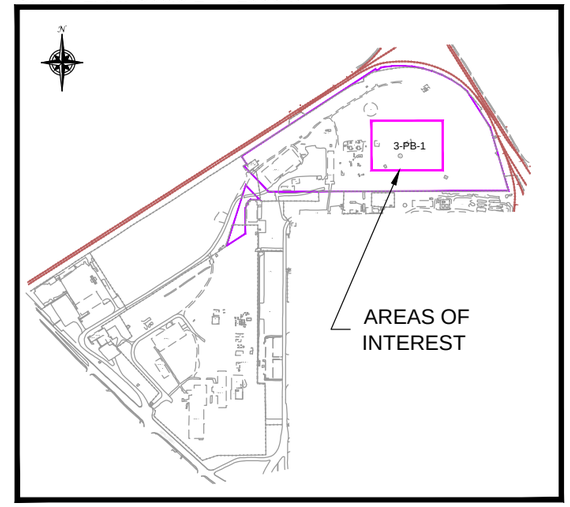
DATE: JANUARY 2013
DRAFTED BY: BLR

F:\CAD\TurnKey\Olean Gateway\2012 - Supplemental RI Report\Draft SRI AAR Figures\Figure 8-8; Lead Impacted Area.dwg

LEAD-IMPACTED SOIL/FILL AOC (3-PB-1): Scale 1" =80 ft.



SITE PLAN: Scale 1" = 1000 ft.



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- RAILROAD TRACK
- CHAIN LINK FENCE

ANALYTICAL DATA SHOWN IS LIMITED TO THE METAL OF INTEREST (E.G., ONLY LEAD IS SHOWN IN THE LEAD AREA OF INTEREST)

- TPSB26B 71.6 (0-2') — SAMPLE DESIGNATION FROM RI, METAL CONCENTRATION IN MG/KG AND (SAMPLE DEPTH)
- PB4 1,200 (0-2') — LEAD CONCENTRATION MG/KG AND (SAMPLE DEPTH) 2012 SRI
- PB > 2,000 MG/KG
- SOIL/FILL IRM AREA EXCAVATION TO 2 FBGS
- SOIL/FILL IRM AREA EXCAVATION TO 4 FBGS
- CONTOUR REPRESENTS MAXIMUM EXTENT OF AREA EXCEEDING SSAL

NOTES:

1. BASEMAP ADAPTED FROM WOODARD & CURRAN INC. BASEMAP DATED 2010.
2. IRM MEANS INTERIM REMEDIAL MEASURE CONSISTING OF SOIL/FILL REMOVAL COMPLETED BY WOODARD & CURRAN.
3. ALL PRE-IRM SAMPLE LOCATIONS THAT WHERE REMOVED DURING IRM ARE NOT SHOWN.
4. FBGS = FEET BELOW GROUND SURFACE.
5. MG/KG = MILLIGRAMS PER KILOGRAM
6. PB = LEAD

N

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0250-012-001

LEAD EXCEEDENCES OF SSALs IN NEAR SURFACE SOIL / FILL - BCP SITE 3

RI/AA REPORT

OLEAN REDEVELOPMENT PROPERTY
OLEAN, NEW YORK
BCP SITE NOs. C905031, C905032, C905033

PREPARED FOR
OLEAN GATEWAY, LLC

FIGURE 8-8

DATE: JANUARY 2013
DRAFTED BY: BLR