

*GENERAL MOTORS CORPORATION*

**GM POWERTRAIN BEDFORD FACILITY  
105 GM DRIVE  
BEDFORD, INDIANA  
EPA ID #IND006036099**

*ADMINISTRATIVE ORDER ON CONSENT  
U.S. EPA DOCKET NO. V-W-'03-C-747  
REMOVAL ACTION*

**MONTHLY PROGRESS REPORT - JANUARY 2008**

**February 14, 2008**

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## 1.0 INTRODUCTION

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This Monthly Progress Report is submitted in accordance with the ADMINISTRATIVE ORDER ON CONSENT (AOC) FOR REMOVAL ACTION Proceeding Under Sections 104, 106(a), 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9606(a), 9607, and 9622 (United States Environmental Protection Agency (U.S. EPA) Docket No.: V-W-'03-C-747) effective July 31, 2003.

The next Monthly Progress Report, for the month of February 2008, will be submitted on or before March 15, 2008.

## 2.0 SIGNIFICANT DEVELOPMENTS IN THIS MONTH

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- Air monitoring has continued. Final validated results of the creek Removal Action (RA) air-monitoring program for January 2008 are presented in Table 1.1a (polychlorinated biphenyl (PCB) results) and Table 1.1b (total suspended particulate (TSP) Stations 25C, 28A, and 32B). The locations of the air monitoring stations in the Downstream Parcels are presented on Figure 1.
- Verification results are presented on Figures 2 through 20 to show progress as of this reporting period. Work completed in the parcels, as presented, is not complete as either additional excavation or statistical evaluation may be required to confirm the cleanup objective has been met. Verification figures for a given parcel are included in the monthly report as new data become available until all cleanup criteria are met, whereupon the figure is presented with validated data. Final verification figures will be presented in the Downstream Parcels Construction Certification Report.
- Work continued in January 2008 along the stream channel of Parcels 37, 38, 39 and 40 to remove impacted soil and sediment from the creek channel and floodplain. Confirmation sampling was conducted on the following excavated parcels:
  - Parcel 37 on January 21, 22, and 28, 2008, as presented on Figure 2.
  - Parcel 38 on January 10, 21, 22, and 28, 2008, as presented on Figures 3, 4, and 5.
  - Parcel 39 on January 3, 4, 9, 10, 18, 21, 22, 23, 24, 25, 30, and 31, 2008, as presented on Figures 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.
  - Parcel 40 on January 3, 7, 11, 14, 22, 24, 28, 29, and 31, 2008, as presented on Figures 13, 14, 15, 16, 17, 18, 19, and 20.
  - Figures 21, 22, and 23, depict key-maps of verification area grids for the parcels sampled during this reporting period.
- Excavation of <50 mg/kg PCB material continued during January 2008, but no material was moved from the creek RA to the East Plant Area staging areas.

- A total of 1,351 tons of  $\geq 50$  mg/kg PCB material was excavated in January 2008 from the creek RA and disposed of at the Heritage Landfill in Roachdale, Indiana.
- A total of 134 tons of  $< 50$  mg/kg PCB tree stump and associated soil material was disposed of at the Sycamore Ridge Landfill in Terra Haute, Indiana.
- The summary of PCB soil disposal for January 2008 is presented in Table 2.1. The transportation and disposal summary for the  $\geq 50$  mg/kg PCB soil is presented in Table 2.1a. The transportation and disposal summary for the  $< 50$  mg/kg PCB soil and stump material is presented in Table 2.1b.
- Water within the remediation areas was collected and treated by ENTACT Environmental Services' (ENTACT's) and/or Severson Environmental Services' (SES's) on-Site water treatment systems. U.S. EPA has approved direct discharge of treated water from both ENTACT's treatment system at Staging Area F and SES's treatment system at Parcel 216 Staging Area. Water treatment sample results for ENTACT's and SES's treatment systems for January 2008 are provided in Table 3.1 and 3.2, respectively.
- Operation of Borrow Area 39-1 continued.
- Tree consolidation, chipping, and mulching continued.
- A conference call was held on January 8, 2008, with the U.S. EPA, Agency for Toxic Substance and Disease Registry (ATSDR), the Indiana Department of Environmental Management (IDEM), and the Indiana State Department of Health (ISDH) to discuss items related to the RA and the design and construction of the East Plant Area Interim Measures (IM). The United States Fish and Wildlife Service (USFWS) was also invited to the call.
- The Annual Project Status Meeting and Site Tour with the U.S. EPA and IDEM were held on January 24, 2008 in Bedford. At the Meeting the work completed in 2007 and the projected work and schedule for 2008 were discussed.
- On-Site construction meetings for the reporting period have been held informally daily and formally weekly. Meetings with SES are generally held on Wednesdays. SES meetings were held on January 2, 9, 16, 22, and 30, 2008. Meetings with ENTACT are held generally on Thursdays. ENTACT meetings were held on January 10, and 24, 2008.

### **3.0 SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS**

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- GM continues to evaluate the Spring 018 Area. This spring water is currently captured and treated before entering the creek. A report summarizing SSC Work Plan: Addendum No. 5, investigation/evaluation of the Spring 018 area will be prepared.
- Transport of  $< 50$  ppm soil from Staging Area G to the East Plant area has halted while additional areas in the East Plant Area where subgrade fill can be placed are evaluated.
- On January 8, 2008, an overflow at Wet Well 2 occurred when a pump which conveys the water to the treatment plant failed. An estimated maximum of 500 gallons of water was released to the ground surface immediately around the wet well. A reportable quantity for

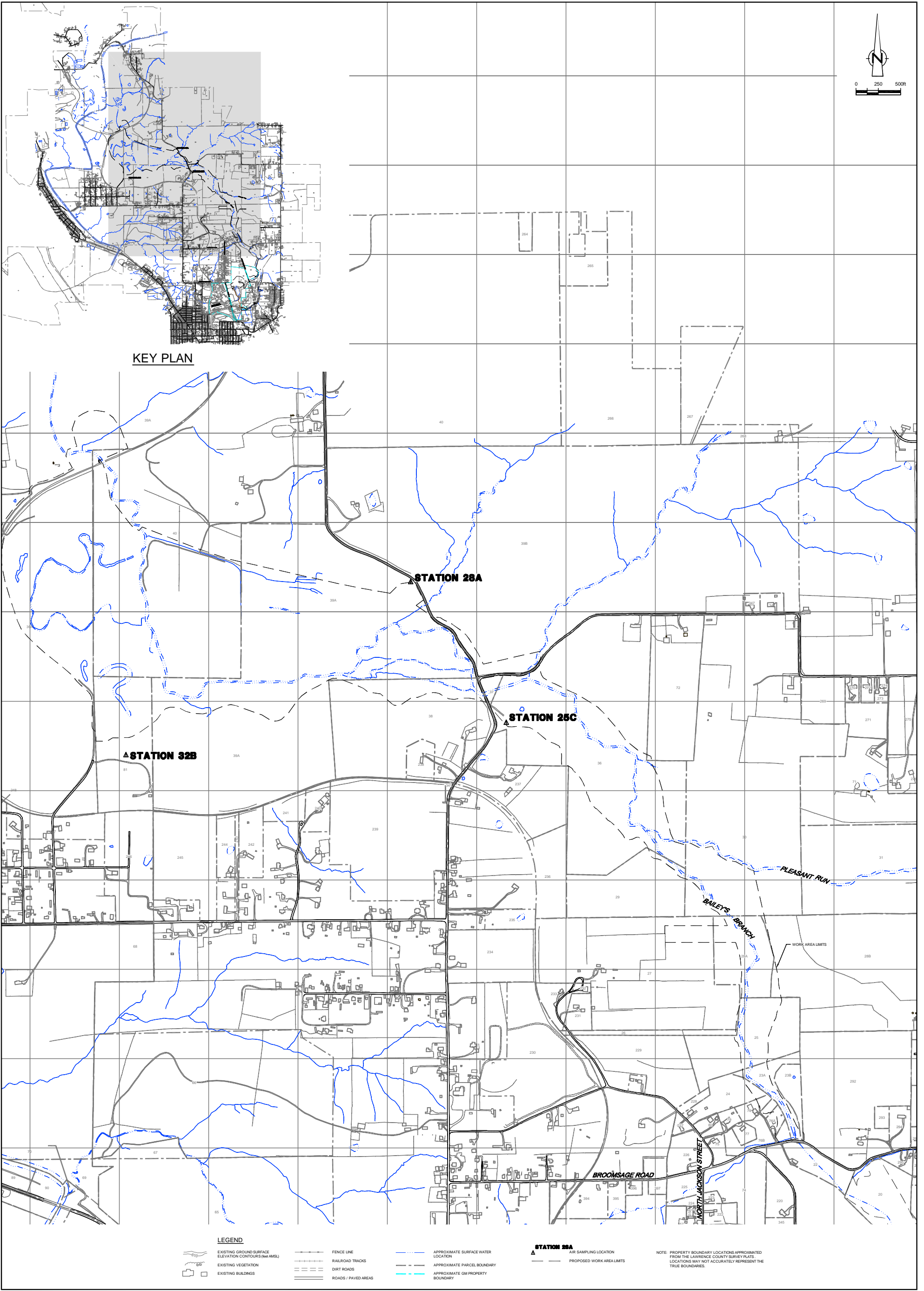
PCBs was not exceeded and, in fact, we do not believe the water actually reached the creek. It also did not meet the definition of an emergency situation pursuant to Section XIII of the AOC. The wet well overflow was reported to IDEM on January 10, 2008 per the Plants National Pollutant Discharge Elimination System (NPDES) permit. A temporary pump was put in the wet well to pump water over to Wet Well 1, where it was then pumped to treatment. The Wet Well 2 pump has since been repaired.

- On January 30, 2008, water was observed to be discharging from storm water force main air pressure vent pipe. Water was discharged onto the surrounding ground but stopped approximately 100 yards from the creek. The incident was report to IDEM on January 31, 2008, per the Plant's NPDES permit requirements. The system has since been inspected and repaired.

#### **4.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD**

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- The following is a list of anticipated work for the next reporting period:
  - Continue excavation in the Downstream Parcels (ENTACT work area);
  - Continue operation of Borrow Area 39-1;
  - Continue tree consolidation, chipping, and mulching;
  - Continue road repair work, as needed;
  - Remove additional trees in work areas on Parcels 40 and 81;
  - Place <50 mg/kg RA soils from the creek in the approved East Plant Area fill areas; and
  - Dispose ≥50 mg/kg RA soils from the creek at the Heritage Landfill in Roachdale, Indiana.



**LEGEND**

	EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)		FENCE LINE		APPROXIMATE SURFACE WATER LOCATION
	EXISTING VEGETATION		RAILROAD TRACKS		APPROXIMATE PARCEL BOUNDARY
	EXISTING BUILDINGS		DIRT ROADS		APPROXIMATE GM PROPERTY BOUNDARY
			ROADS / PAVED AREAS		<b>STATION 28A</b> AIR SAMPLING LOCATION
					PROPOSED WORK AREA LIMITS

NOTE: PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES.

NO	Revision	Date	Initial

**SCALE VERIFICATION**  
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved \_\_\_\_\_

**GM POWERTRAIN BEDFORD FACILITY**  
BEDFORD, INDIANA

DOWNSTREAM PARCELS

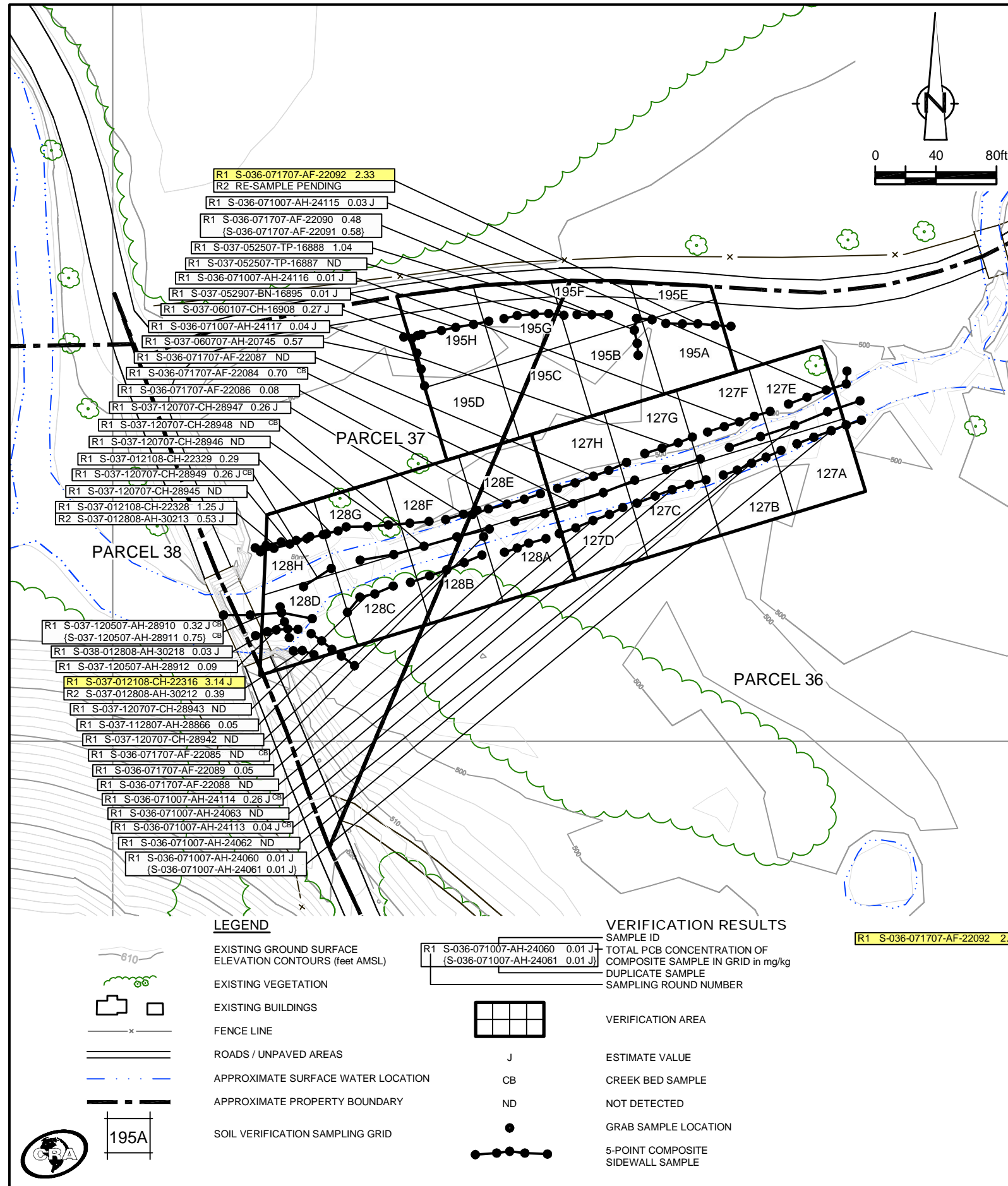
**AIR SAMPLING LOCATIONS**  
JANUARY 2008

**CONESTOGA-ROVERS & ASSOCIATES**

Source Reference:  
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001.

Project Manager: M.K.	Reviewed By: P.G.	Date: JANUARY 2008
Scale: AS SHOWN	Project N <sup>o</sup> : 13968-00	Report N <sup>o</sup> : 266
		Drawing N <sup>o</sup> : figure 1





**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
127	A	S-036-071007-AH-24053	0.36 J	S-036-071007-AH-24053	0.36 J
	B	S-036-071007-AH-24052	0.19 J	S-036-071007-AH-24052	0.19 J
	C	S-036-071007-AH-24050	0.08	S-036-071007-AH-24050	0.08
		{S-036-071007-AH-24051}	{0.11}	{S-036-071007-AH-24051}	{0.11}
	D	S-036-071707-AF-22096	0.14 J	S-036-071707-AF-22096	0.14 J
	E	S-036-071007-AH-24119	0.22 J	S-036-071007-AH-24119	0.22 J
	F	S-036-071907-AF-22102	0.20 J	S-036-071907-AF-22102	0.20 J
	G	S-036-071707-AF-22100	0.03 J	S-036-071707-AF-22100	0.03 J
{S-036-071707-AF-22101}		{0.06}	{S-036-071707-AF-22101}	{0.06}	
H	S-036-071707-AF-22099	0.10 J	S-036-071707-AF-22099	0.10 J	
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
128	A	S-036-120707-CH-28950	0.03 J	-	-	S-036-120707-CH-28950	0.03 J
		{S-036-120707-CH-28951}	{0.13 J}	-	-	{S-036-120707-CH-28951}	{0.13 J}
	B	S-037-120707-CH-28952	0.89 J	-	-	S-037-120707-CH-28952	0.89 J
	C	S-037-120707-CH-28953	0.09	-	-	S-037-120707-CH-28953	0.09
	D	S-037-120707-CH-28954	0.79 J	-	-	S-037-120707-CH-28954	0.79 J
	E	S-036-071707-AF-22098	0.04 J	-	-	S-036-071707-AF-22098	0.04 J
	F	S-037-122007-AH-30018	0.36 J	-	-	S-037-122007-AH-30018	0.36 J
	G	S-037-122007-AH-30017	0.56	-	-	S-037-122007-AH-30017	0.56
H	S-037-122007-AH-30016	0.24 J	S-037-012208-CH-22342	0.54 J	S-037-012208-CH-22342	0.54 J	
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
195	A	S-036-071907-AF-22105	0.89	-	-	S-036-071907-AF-22105	0.89
	B	-	-	-	-	-	-
	C	S-036-052507-TP-16884	0.24 J	-	-	S-036-052507-TP-16884	0.24 J
	D	S-037-052907-BN-16893	ND	-	-	S-037-052907-BN-16893	ND
	E	-	-	-	-	-	-
	F	S-037-052507-TP-16886	0.39	-	-	S-037-052507-TP-16886	0.39
	G	S-037-052507-TP-16885	1.32	-	-	S-037-052507-TP-16885	1.32
	H	S-037-052907-BN-16894	2.16 J	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
UCL Calculations							

**GENERAL NOTES:**

- (1). Cleanup Criteria
  - a.) Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - b.) Sediments to  $\leq 1$  mg/kg.
- (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

R1 S-036-071707-AF-22092 2.33 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 2  
**PARCELS 36 AND 37 (VERIFICATION AREAS 127, 128, AND 195)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**

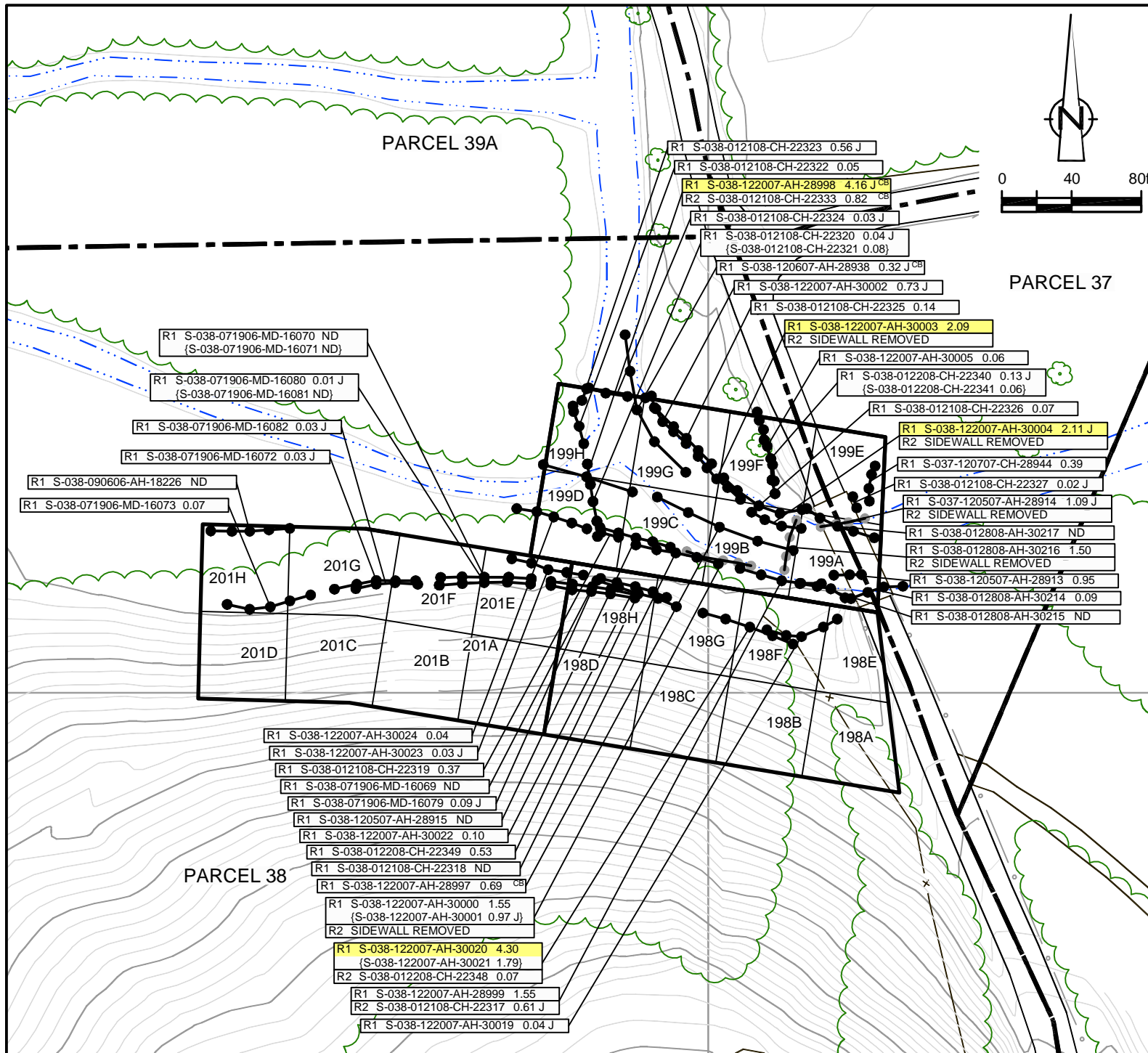
EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
198	A	S-038-080106-MD-16197	0.01 J	-	-	S-038-080106-MD-16197	0.01 J
	B	S-038-080106-MD-16199	0.02 J	-	-	S-038-080106-MD-16199	0.02 J
	C	S-038-080106-MD-16200	0.01 J	-	-	S-038-080106-MD-16200	0.01 J
		{S-038-080106-MD-16201}	{0.02 J}	-	-	{S-038-080106-MD-16201}	{0.02 J}
	D	S-038-080106-MD-16202	0.01 J	-	-	S-038-080106-MD-16202	0.01 J
	E	S-038-080106-MD-16198	0.01 J	-	-	S-038-080106-MD-16198	0.01 J
		{S-038-122007-AH-30030}	{0.40}	-	-	{S-038-122007-AH-30030}	{0.40}
	F	{S-038-122007-AH-30031}	{0.29 J}	-	-	{S-038-122007-AH-30031}	{0.29 J}
S-038-080106-MD-16195		0.53	-	-	S-038-080106-MD-16195	0.53	
G	S-038-122007-AH-30029	0.74	-	-	S-038-122007-AH-30029	0.74	
	S-038-080106-MD-16194	0.02 J	-	-	S-038-080106-MD-16194	0.02 J	
H	S-038-122007-AH-30028	0.68	-	-	S-038-122007-AH-30028	0.68	
	S-038-071906-MD-16083	0.19	S-038-080106-MD-16193	ND	S-038-080106-MD-16193	ND	
UCL Calculations				S-038-122007-AH-30027	ND	S-038-122007-AH-30027	ND

Verification Area	Grid	Sampling Round							
		R1		R2		R3		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
199	A	S-038-122007-AH-30014	1.63	S-038-012208-CH-22344	1.18 J	S-038-012808-AH-30219	0.07	S-038-012808-AH-30219	0.07
	B	S-038-122007-AH-30013	2.39 J	S-038-012108-CH-22332	0.03 J	-	-	S-038-012108-CH-22332	0.03 J
	C	S-038-121106-MD-18633	10.60	S-038-122007-AH-30025	6.09	S-038-012108-CH-22330	0.83 J	S-038-012108-CH-22330	0.83 J
		{S-038-121106-MD-18631}	{3.42}	{S-038-012108-CH-22331}	{0.91 J}	{S-038-012108-CH-22331}	{0.91 J}	{S-038-012108-CH-22331}	{0.91 J}
	D	S-038-121106-MD-18630	2.86 J	S-038-122007-AH-30026	0.26 J	-	-	S-038-122007-AH-30026	0.26 J
	E	{S-038-121106-MD-18631}	{3.42}	{S-037-012208-CH-22343}	{0.34 J}	-	-	{S-037-012208-CH-22343}	{0.34 J}
		S-037-122007-AH-30015	4.59	S-038-012208-CH-22345	0.23	-	-	S-038-012208-CH-22345	0.23
	F	S-038-122007-AH-30009	3.14	S-038-012208-CH-22346	ND	-	-	S-038-012208-CH-22346	ND
S-038-122007-AH-30010		1.45	-	-	-	-	-	-	
G	{S-038-122007-AH-30011}	{1.11}	-	-	-	-	-	-	
	S-038-121106-MD-18632	4.15	S-038-122007-AH-30012	0.09	-	-	S-038-122007-AH-30012	0.09	
H	S-038-101507-AF-28458	1.88	-	-	-	-	-	-	
UCL Calculations									

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
201	A	S-038-080106-MD-16203	0.01 J	S-038-080106-MD-16203	0.01 J
	B	S-038-071906-MD-16086	0.02 J	S-038-071906-MD-16086	0.02 J
	C	S-038-071906-MD-16087	0.02 J	S-038-071906-MD-16087	0.02 J
	D	S-038-071906-MD-16088	0.13 J	S-038-071906-MD-16088	0.13 J
		S-038-071906-MD-16084	0.21	S-038-071906-MD-16084	0.21
	E	S-038-080106-MD-16192	ND	S-038-080106-MD-16192	ND
		S-038-071906-MD-16085	0.18 J	S-038-071906-MD-16085	0.18 J
	F	S-038-080106-MD-16190	ND	S-038-080106-MD-16190	ND
{S-038-080106-MD-16191}		{ND}	{S-038-080106-MD-16191}	{ND}	
G	S-038-071906-MD-16076	0.06	S-038-071906-MD-16076	0.06	
	S-038-071906-MD-16077	0.31 J	S-038-071906-MD-16077	0.31 J	
UCL Calculations					

GENERAL NOTES:  
 (1). Cleanup Criteria  
 a.) Soils to  $\leq 1.8$  mg/kg.  
 - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.  
 b.) Sediments to  $\leq 1$  mg/kg.  
 (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.  
 (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.  
 (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.  
 (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.  
 - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.  
 - UCL calculations included both floor and sidewall samples.  
 (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.  
 (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.  
 (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



LEGEND

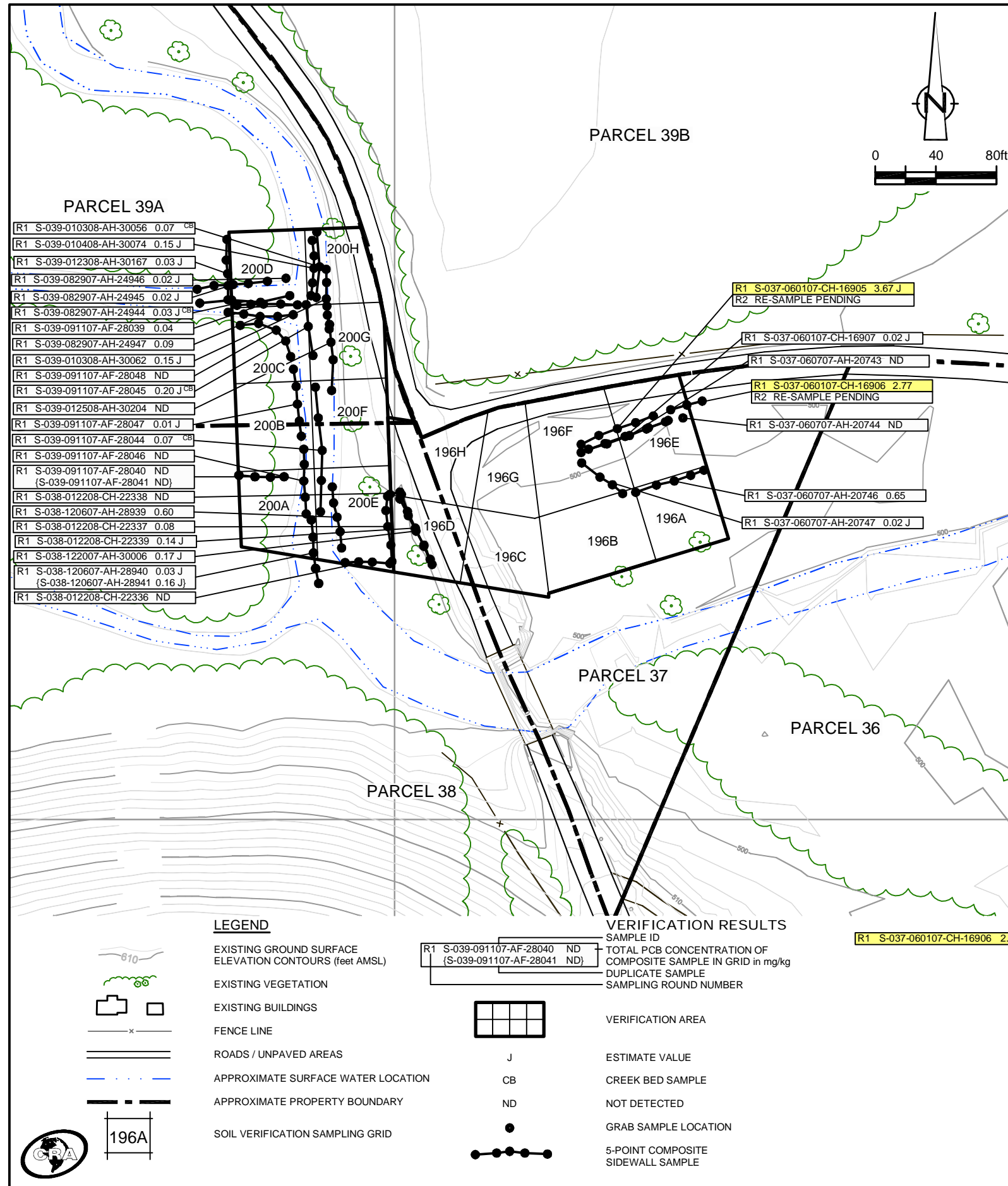
- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 3  
 PARCEL 38 (VERIFICATION AREAS 198, 199, AND 201)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
196	A	S-037-060107-CH-16902	0.38	-	-	S-037-060107-CH-16902	0.38
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
	D	S-038-122007-AH-30008	1.57	S-038-012208-CH-22347	0.03 J	S-038-012208-CH-22347	0.03 J
	E	S-037-060107-CH-16903	2.71	S-037-060707-AH-20748	0.94	S-037-060707-AH-20748	0.94
	F	S-037-060107-CH-16904	0.07	-	-	S-037-060107-CH-16904	0.07
	G	-	-	-	-	-	-
	H	-	-	-	-	-	-
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
200	A	S-038-101507-AF-28456	0.83	-	-	S-038-101507-AF-28456	0.83
	B	S-039-082907-AH-24938	21.60 J	S-039-091107-AF-28042	0.05	S-039-091107-AF-28042	0.05
	C	S-039-082907-AH-24940 (S-039-082907-AH-24941)	5.66 4.99	S-039-091107-AF-28043	0.08	S-039-091107-AF-28043	0.08
	D	S-039-010408-AH-30079	6.44	S-039-012308-AH-30168	0.14	S-039-012308-AH-30168	0.14
	E	S-038-122007-AH-30007	0.60	-	-	S-038-122007-AH-30007	0.60
	F	S-039-011808-AH-30148	0.38	-	-	S-039-011808-AH-30148	0.38
	G	S-039-011808-AH-30149	3.87 J	S-039-012508-AH-30205	0.64	S-039-012508-AH-30205	0.64
	H	S-039-010408-AH-30078	0.66	-	-	S-039-010408-AH-30078	0.66
UCL Calculations							

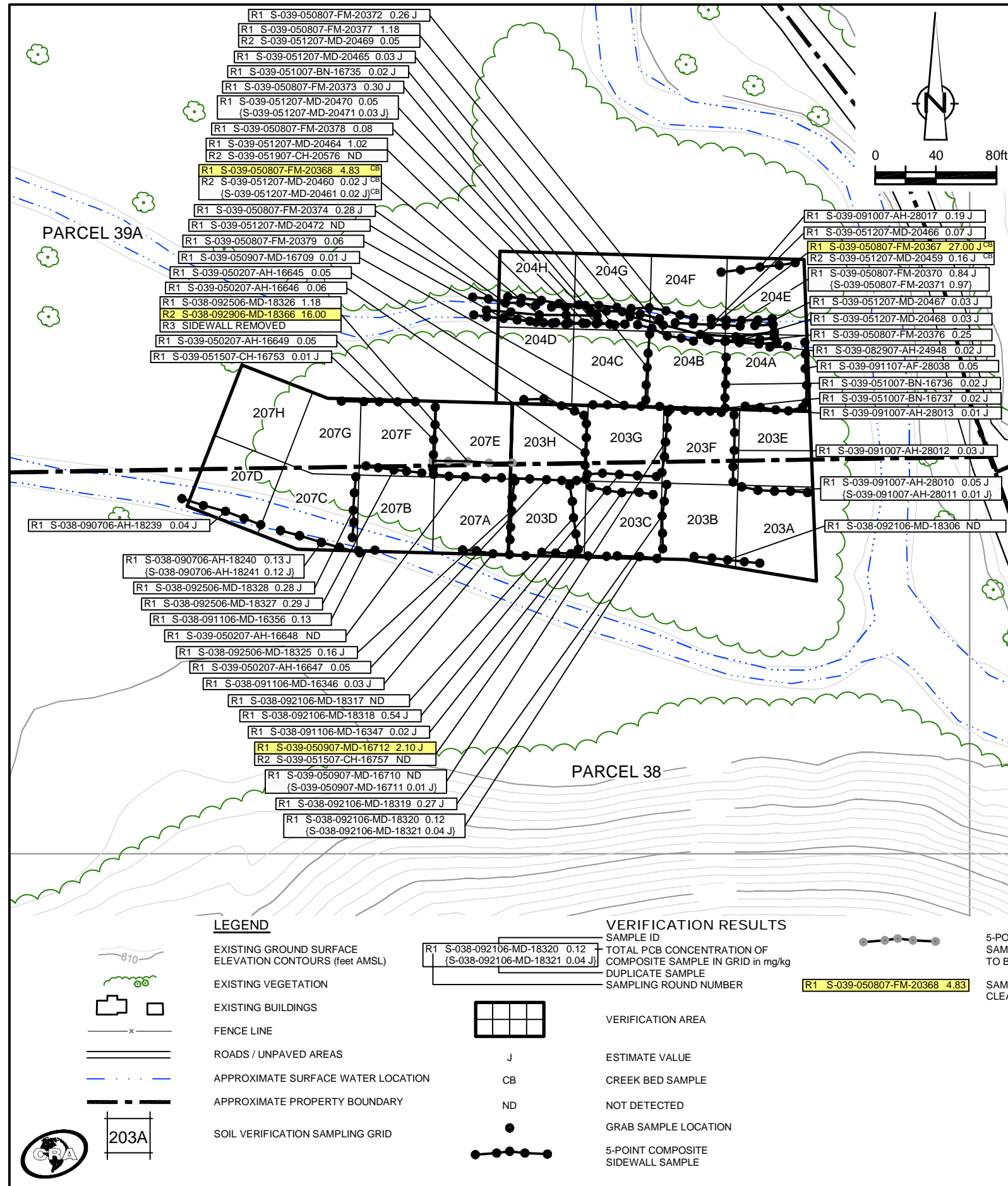
**GENERAL NOTES:**

- (1) Cleanup Criteria
  - a.) Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - b.) Sediments to  $\leq 1$  mg/kg.
- (2) Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3) The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4) A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- (5) For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- (6) The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (7) Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (8) The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

R1 S-037-060107-CH-16906 2.77 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 4

**PARCELS 37, 38, AND 39A (VERIFICATION AREAS 196 AND 200)  
FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
POST - EXCAVATION SUMMARY  
GM POWERTRAIN BEDFORD FACILITY  
Bedford, Indiana**



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area		Sampling Round					
		R1		R2		FINAL	
Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	
203	A	S-038-101507-AF-28457	1.01	S-038-012808-AH-30220	0.42	S-038-012808-AH-30220	0.42
	B	S-038-071906-MD-16096	1.49	-	-	S-038-071906-MD-16096	1.49
	C	S-038-090606-AH-18208	3.45	S-038-092106-MD-18316	0.06	S-038-092106-MD-18316	0.06
	D	S-038-090606-AH-18207	0.79	-	-	S-038-090606-AH-18207	0.79
	E	S-039-082907-AH-24939	1.11	S-039-091007-AH-28014	0.01 J	S-039-091007-AH-28014	0.01 J
	F	S-039-050407-AH-16655	0.14	-	-	S-039-050407-AH-16655	0.14
	G	S-039-050407-AH-16654	1.17	S-039-050907-MD-16708	ND	S-039-050907-MD-16708	ND
	H	S-039-042307-FM-20290	9.27	S-039-050207-AH-16650	ND	S-039-050207-AH-16650	ND
UCL Calculations		(S-039-042307-FM-20291	5.29 J	(S-039-050207-AH-16651	ND	(S-039-050207-AH-16651	ND

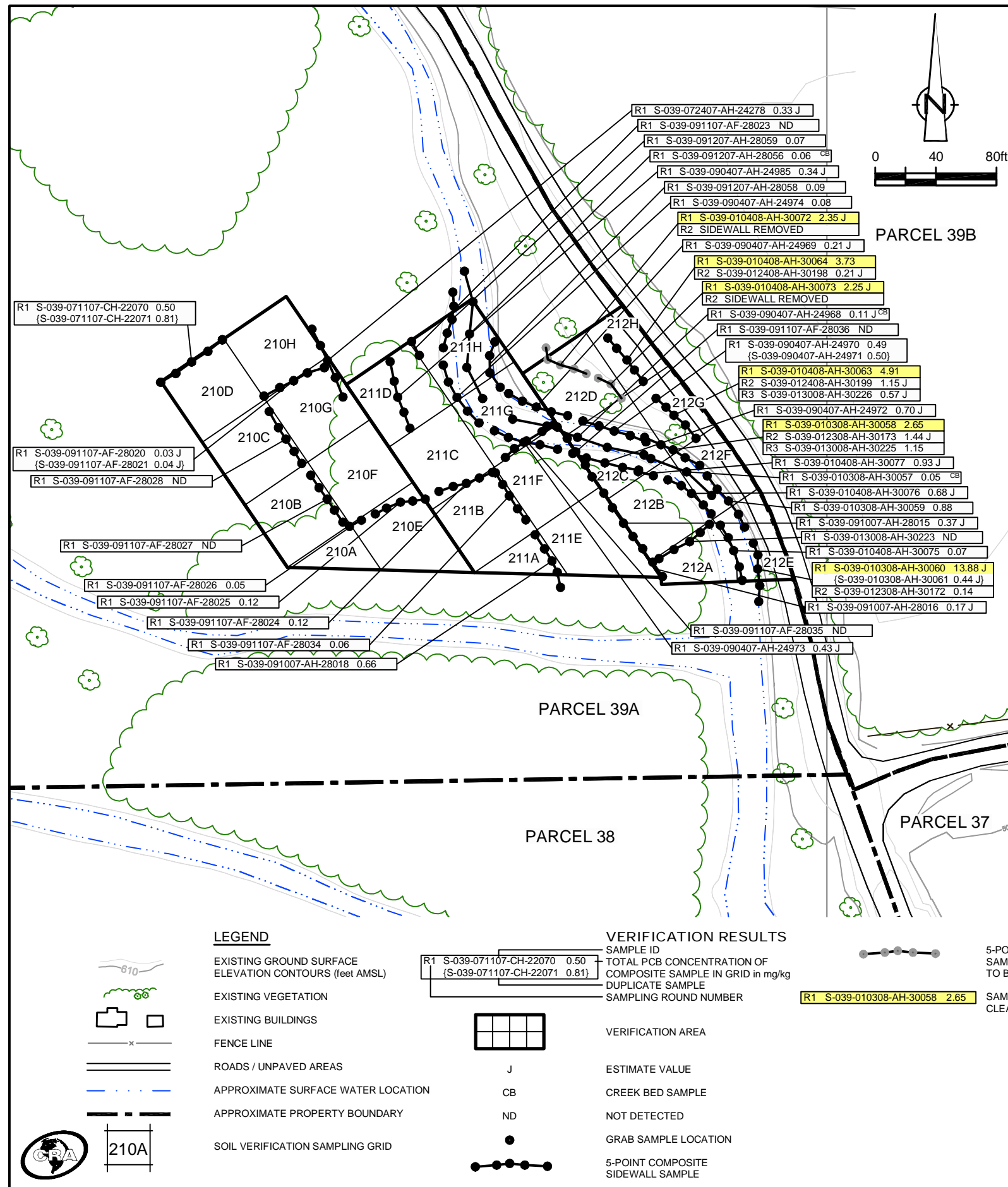
Verification Area		Sampling Round					
		R1		R2		FINAL	
Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	
204	A	S-039-082907-AH-24942	0.44	-	-	S-039-082907-AH-24942	0.44
	B	S-039-050707-MD-20366	30.00 J	S-039-051007-BN-16734	ND	S-039-051007-BN-16734	ND
	C	S-039-050707-MD-20365	0.06	-	-	S-039-050707-MD-20365	0.06
	D	S-039-050707-MD-20364	0.92	-	-	S-039-050707-MD-20364	0.92
	E	S-039-082907-AH-24943	0.80	-	-	S-039-082907-AH-24943	0.80
	F	S-039-052307-CH-16874	0.03 J	-	-	S-039-052307-CH-16874	0.03 J
	G	S-039-052307-CH-16873	0.02 J	-	-	S-039-052307-CH-16873	0.02 J
	H	S-039-052307-CH-16872	ND	-	-	S-039-052307-CH-16872	ND
UCL Calculations		-	-	-	-	-	-

Verification Area		Sampling Round					
		R1		R2		FINAL	
Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	
207	A	S-038-090606-AH-18206	1.51	S-038-092506-MD-18323	0.02 J	S-038-092506-MD-18323	0.02 J
	B	S-038-090606-AH-18205	1.95 J	S-038-092506-MD-18324	0.31 J	S-038-092506-MD-18324	0.31 J
	C	S-038-090606-AH-18204	0.91	-	-	S-038-090606-AH-18204	0.91
	D	S-038-090606-AH-18203	0.40	-	-	S-038-090606-AH-18203	0.40
	E	S-039-042307-FM-20292	4.86 J	S-039-050207-AH-16652	ND	S-039-050207-AH-16652	ND
	F	S-039-042307-FM-20293	0.82 J	-	-	S-039-042307-FM-20293	0.82 J
	G	S-039-042307-FM-20294	0.56 J	-	-	S-039-042307-FM-20294	0.56 J
	H	S-039-042707-AH-20300	0.40 J	-	-	S-039-042707-AH-20300	0.40 J
UCL Calculations		(S-039-042707-AH-20301	0.42 J	-	-	(S-039-042707-AH-20301	0.42 J

**GENERAL NOTES:**

- (1). Cleanup Criteria
  - a.) Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - b.) Sediments to  $\leq 1$  mg/kg.
- (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

figure 5  
**PARCELS 38 AND 39A (VERIFICATION AREAS 203, 204, AND 207)**  
**FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS**  
**POST - EXCAVATION SUMMARY**  
**GM POWERTRAIN BEDFORD FACILITY**  
**Bedford, Indiana**



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
210	A	S-039-060507-FM-20729	0.03 J	-	-	S-039-060507-FM-20729	0.03 J
	B	S-039-060507-FM-20728	ND	-	-	S-039-060507-FM-20728	ND
	C	S-039-071307-AF-24169	0.45 J	-	-	S-039-071307-AF-24169	0.45 J
	D	S-039-071107-AH-24140 {S-039-071107-AH-24141}	13.66 J 11.58 J	S-039-072407-AH-24282	0.34 J	S-039-072407-AH-24282	0.34 J
	E	S-039-060507-FM-20730 {S-039-060507-FM-20731}	0.46 0.25 J	-	-	S-039-060507-FM-20730 S-039-060507-FM-20731	0.46 0.25 J
	F	S-039-090407-AH-24980 {S-039-090407-AH-24981}	4.49 J 4.89 J	S-039-091107-AF-28030 {S-039-091107-AF-28031}	0.01 J ND	S-039-091107-AF-28030 S-039-091107-AF-28031	0.01 J ND
	G	S-039-090407-AH-24982	2.45 J	S-039-091107-AF-28029	ND	S-039-091107-AF-28029	ND
	H	S-039-071107-AH-24139	2.30	S-039-072407-AH-24280 {S-039-072407-AH-24281}	0.10 J 0.11 J	S-039-072407-AH-24280 S-039-072407-AH-24281	0.10 J 0.11 J
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
211	A	S-039-090407-AH-24976	0.85	-	-	S-039-090407-AH-24976	0.85
	B	S-039-090407-AH-24977	0.06	-	-	S-039-090407-AH-24977	0.06
	C	S-039-090407-AH-24978	7.20	S-039-091107-AF-28032	0.03 J	S-039-091107-AF-28032	0.03 J
	D	S-039-090407-AH-24979	10.64 J	S-039-091107-AF-28033	ND	S-039-091107-AF-28033	ND
	E	S-039-090407-AH-24975	2.79	S-039-091007-AH-28019	0.05	S-039-091007-AH-28019	0.05
	F	S-039-090407-AH-24983	1.75	S-039-091107-AF-28037	0.01 J	S-039-091107-AF-28037	0.01 J
	G	S-039-090407-AH-24984	0.34 J	-	-	S-039-090407-AH-24984	0.34 J
	H	S-039-091207-AH-28062	0.09	-	-	S-039-091207-AH-28062	0.09
UCL Calculations							

Verification Area	Grid	Sampling Round							
		R1		R2		R3		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
212	A	S-039-010408-AH-30080 {S-039-010408-AH-30081}	2.51 J 1.43	S-039-012308-AH-30169	0.03 J	-	-	S-039-012308-AH-30169	0.03 J
	B	S-039-010408-AH-30082	8.73 J	S-039-012308-AH-30170 {S-039-012308-AH-30171}	1.08 1.33	S-039-013008-AH-30224	0.05	S-039-013008-AH-30224	0.05
	C	S-039-010408-AH-30083	1.12 J	S-039-012408-AH-30190 {S-039-012408-AH-30191}	0.07 0.06	-	-	S-039-012408-AH-30190 S-039-012408-AH-30191	0.07 0.06
	D	S-039-010408-AH-30084	0.44	-	-	-	-	S-039-010408-AH-30084	0.44
	E	S-039-011808-AH-30150 {S-039-011808-AH-30151}	0.82 0.60 J	-	-	-	-	S-039-011808-AH-30150 S-039-011808-AH-30151	0.82 0.60 J
	F	S-039-011808-AH-30152	1.03 J	S-039-012508-AH-30206	1.17	-	-	S-039-012508-AH-30206	1.17
	G	S-039-011808-AH-30153	0.17 J	-	-	-	-	S-039-011808-AH-30153	0.17 J
	H	S-039-010408-AH-30089	12.50	S-039-012408-AH-30192	0.19 J	-	-	S-039-012408-AH-30192	0.19 J
UCL Calculations									

**GENERAL NOTES:**

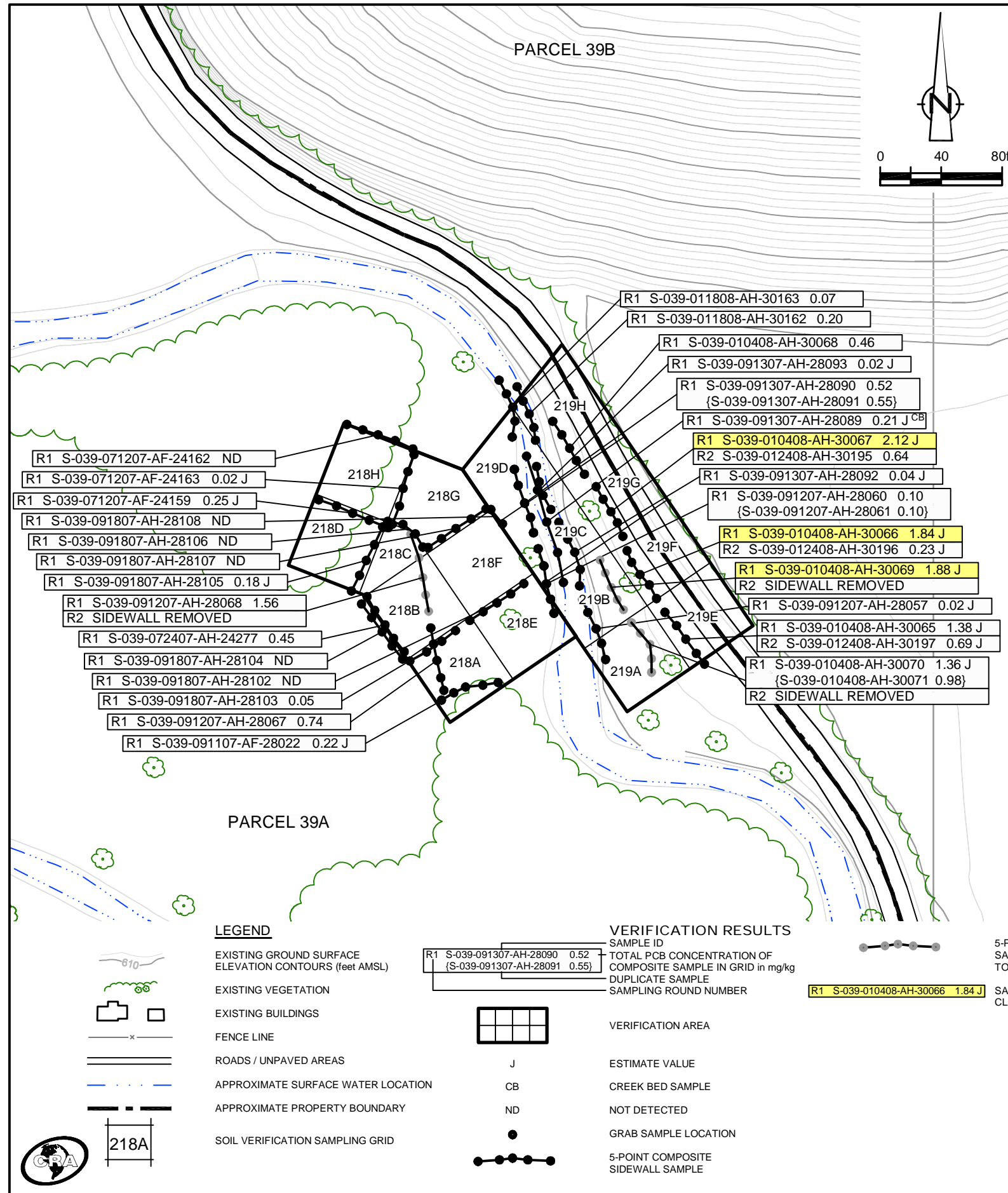
- Cleanup Criteria
    - Soils to  $\leq 1.8$  mg/kg.
      - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
    - Sediments to  $\leq 1$  mg/kg.
  - Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
  - The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
  - A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
  - For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
    - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
    - UCL calculations included both floor and sidewall samples.
  - The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
  - Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
  - The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 6  
**PARCEL 39A (VERIFICATION AREAS 210 TO 212)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
218	A	S-039-091207-AH-28064	0.35	-	-	S-039-091207-AH-28064	0.35
	B	S-039-091207-AH-28065	2.48	S-039-091807-AH-28109	0.12 J	S-039-091807-AH-28109	0.12 J
	C	S-039-091207-AH-28066	1.41	S-039-091807-AH-28110 {S-039-091807-AH-28111}	0.01 J 0.02 J	S-039-091807-AH-28110 S-039-091807-AH-28111	0.01 J 0.02 J
	D	S-039-071307-AF-24168	0.93	-	-	S-039-071307-AF-24168	0.93
	E	S-039-091207-AH-28063	0.04	-	-	S-039-091207-AH-28063	0.04
	F	S-039-091307-AH-28094	2.52	S-039-091807-AH-28112	ND	S-039-091807-AH-28112	ND
	G	S-039-091307-AH-28095	0.03 J	-	-	S-039-091307-AH-28095	0.03 J
	H	S-039-070907-AH-24083	1.63	S-039-071207-AF-24164	0.05	S-039-071207-AF-24164	0.05
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
219	A	S-039-011808-AH-30154	0.07	-	-	S-039-011808-AH-30154	0.07
	B	S-039-011808-AH-30155	0.17	-	-	S-039-011808-AH-30155	0.17
	C	S-039-012508-AH-30203	0.06	-	-	S-039-012508-AH-30203	0.06
	D	S-039-012508-AH-30202	0.03 J	-	-	S-039-012508-AH-30202	0.03 J
	E	S-039-010408-AH-30088	2.72 J	S-039-012408-AH-30193	0.28 J	S-039-012408-AH-30193	0.28 J
	F	S-039-010408-AH-30087	1.26 J	S-039-012408-AH-30194	0.02 J	S-039-012408-AH-30194	0.02 J
	G	S-039-010408-AH-30086	0.77	-	-	S-039-010408-AH-30086	0.77
	H	S-039-010408-AH-30085	0.91	-	-	S-039-010408-AH-30085	0.91
UCL Calculations							



- GENERAL NOTES:
- Cleanup Criteria
    - Soils to  $\leq 1.8$  mg/kg.
      - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
    - Sediments to  $\leq 1$  mg/kg.
  - Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
  - The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
  - A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
  - For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
    - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
    - UCL calculations included both floor and sidewall samples.
  - The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
  - Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
  - The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

LEGEND

- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- J ESTIMATE VALUE
- CB CREEK BED SAMPLE
- ND NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 7  
 PARCEL 39A (VERIFICATION AREAS 218 AND 219)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
220	D	S-039-012308-AH-30176	0.78	S-039-012308-AH-30176	0.78

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
222	A	S-039-091707-AH-28096	0.26 J	S-039-091707-AH-28096	0.26 J
	B	S-039-091707-AH-28097	0.05	S-039-091707-AH-28097	0.05
	C	S-039-091707-AH-28098	0.96	S-039-091707-AH-28098	0.96
	D	S-039-091907-AH-28122	0.83	S-039-091907-AH-28122	0.83
	E	S-039-012308-AH-30174	0.20 J	S-039-012308-AH-30174	0.20 J
	F	S-039-012308-AH-30175	0.70	S-039-012308-AH-30175	0.70
	G	S-039-012108-CH-22315	0.08	S-039-012108-CH-22315	0.08
	UCL Calculations		-	-	-

Verification Area	Grid	R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
223	A	S-039-012308-AH-30177	0.62	-	-	S-039-012308-AH-30177	0.62
	B	S-039-012308-AH-30178	3.68 J	S-039-013108-AH-30247	0.32	S-039-013108-AH-30247	0.32
	C	S-039-012308-AH-30179	0.06	-	-	S-039-012308-AH-30179	0.06
	D	S-039-092407-AH-28172	0.03 J	-	-	S-039-092407-AH-28172	0.03 J

Verification Area	Grid	R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
232	A	S-039-091907-AH-28123	0.06	S-039-091907-AH-28123	0.06
	B	S-039-092407-AH-28165	0.63	S-039-092407-AH-28165	0.63
	C	S-039-092407-AH-28166	0.62	S-039-092407-AH-28166	0.62
	D	-	-	-	-
	E	S-039-092407-AH-28164	0.28 J	S-039-092407-AH-28164	0.28 J
	F	S-039-092407-AH-28168	0.99	S-039-092407-AH-28168	0.99
	G	S-039-092407-AH-28167	0.99	S-039-092407-AH-28167	0.99
	UCL Calculations		-	-	-

GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

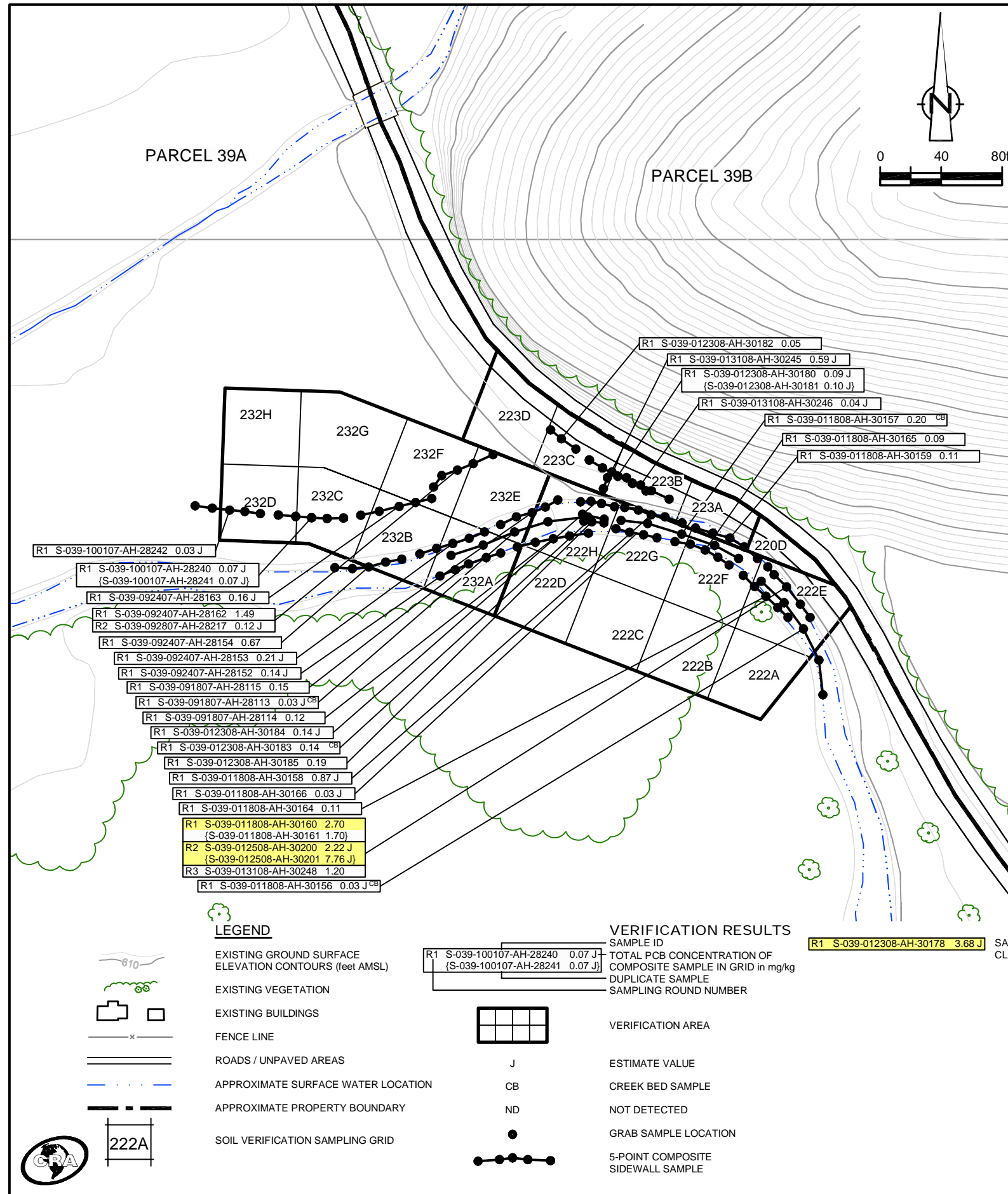
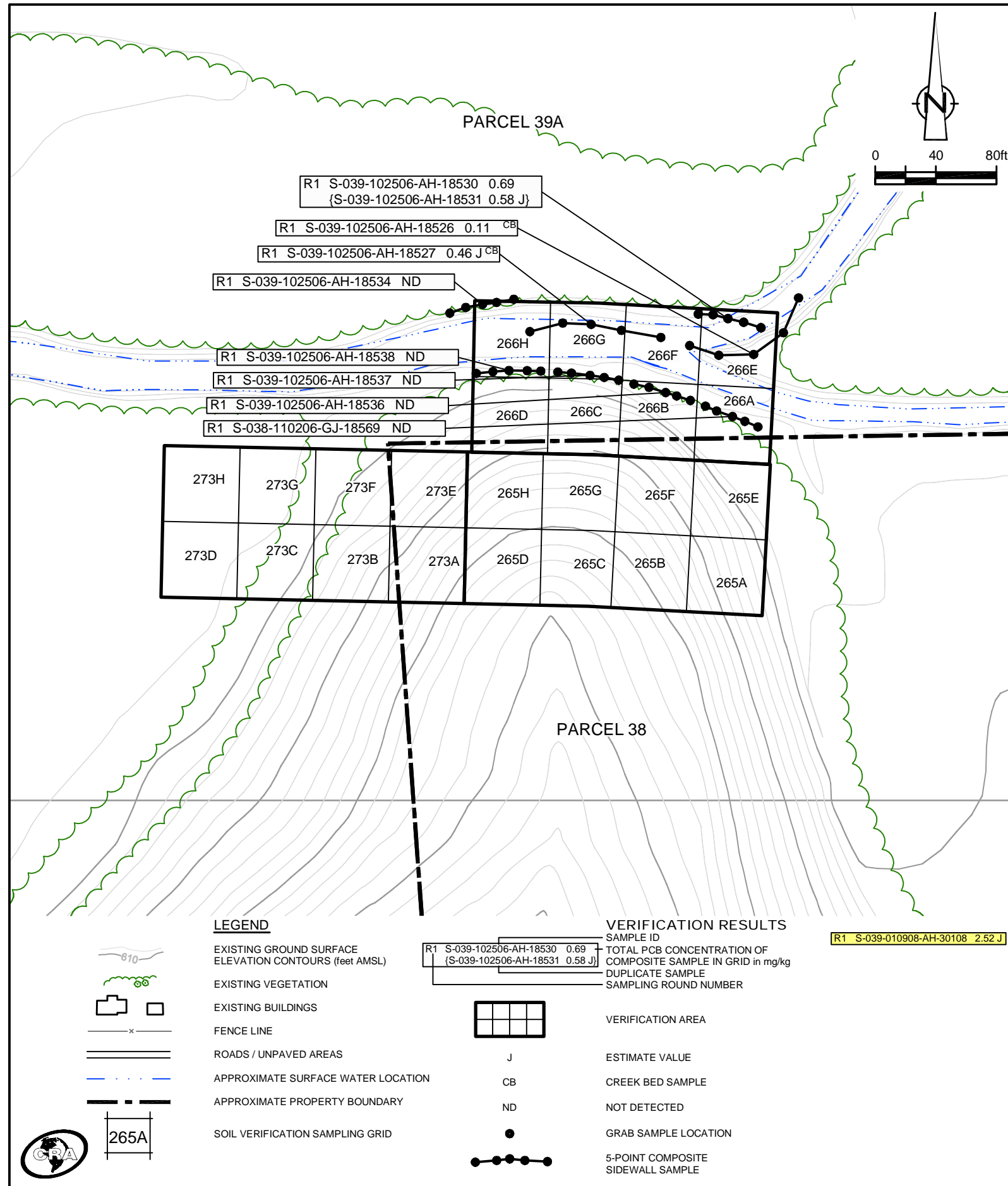


figure 8  
 PARCEL 39A (VERIFICATION AREAS 220, 222, 223, AND 232)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
265	A	S-038-082406-MD-18147	ND	S-038-082406-MD-18147	ND
	B	S-038-082406-MD-18148	ND	S-038-082406-MD-18148	ND
	C	S-038-082406-MD-18149	ND	S-038-082406-MD-18149	ND
	D	S-038-082406-MD-18150 (S-038-082406-MD-18151)	ND	S-038-082406-MD-18150 (S-038-082406-MD-18151)	ND
	E	S-038-082506-AH-18168	0.02 J	S-038-082506-AH-18168	0.02 J
	F	S-038-082506-AH-18167	0.01 J	S-038-082506-AH-18167	0.01 J
	G	S-038-082406-MD-18152	ND	S-038-082406-MD-18152	ND
	H	S-038-011008-AH-30113	ND	S-038-011008-AH-30113	ND
UCL Calculations					

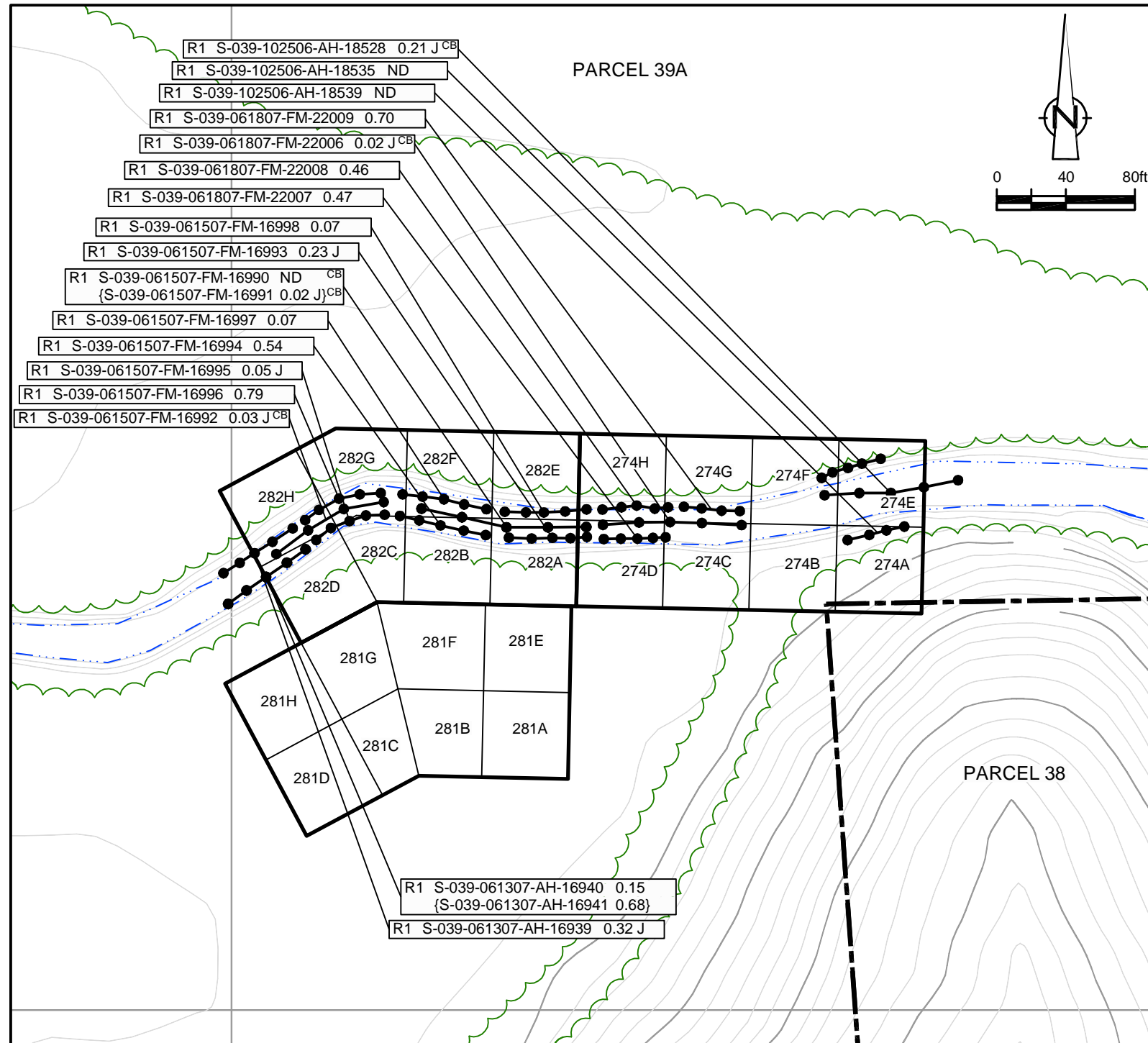
Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
266	A	S-039-082506-AH-18170 (S-039-082506-AH-18171)	0.69 (0.75)	S-039-103006-MD-18555	ND	S-039-103006-MD-18555	ND
	B	S-039-082506-AH-18166	ND	S-039-103006-MD-18556	0.01 J	S-039-103006-MD-18556	0.01 J
	C	S-039-082506-AH-18165	ND	-	-	S-039-082506-AH-18165	ND
	D	S-039-011008-AH-30114	ND	-	-	S-039-011008-AH-30114	ND
	E	S-039-103006-MD-18560 (S-039-103006-MD-18561)	0.02 J (0.01 J)	-	-	S-039-103006-MD-18560 (S-039-103006-MD-18561)	0.02 J (0.01 J)
	F	S-039-102506-AH-18540 (S-039-102506-AH-18541)	0.16 J (0.18 J)	-	-	S-039-102506-AH-18540 (S-039-102506-AH-18541)	0.16 J (0.18 J)
	G	S-039-102506-AH-18542	0.08	-	-	S-039-102506-AH-18542	0.08
	H	S-039-102506-AH-18543	0.04 J	-	-	S-039-102506-AH-18543	0.04 J
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
273	A	S-038-011008-AH-30116	ND	-	-	S-038-011008-AH-30116	ND
	B	S-039-011008-AH-30117	ND	-	-	S-039-011008-AH-30117	ND
	C	S-039-010908-AH-30107	0.10 J	-	-	S-039-010908-AH-30107	0.10 J
	D	S-039-010908-AH-30106	0.57	-	-	S-039-010908-AH-30106	0.57
	E	S-038-011008-AH-30112	ND	-	-	S-038-011008-AH-30112	ND
	F	S-039-011008-AH-30110 (S-039-011008-AH-30111)	ND (ND)	-	-	S-039-011008-AH-30110 (S-039-011008-AH-30111)	ND (ND)
	G	S-039-010908-AH-30109	0.26 J	-	-	S-039-010908-AH-30109	0.26 J
	H	S-039-010908-AH-30108	2.52 J	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
UCL Calculations							

GENERAL NOTES:  
 (1). Cleanup Criteria  
 a.) Soils to  $\leq 1.8$  mg/kg.  
 - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.  
 b.) Sediments to  $\leq 1$  mg/kg.  
 (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.  
 (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.  
 (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.  
 (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.  
 - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.  
 - UCL calculations included both floor and sidewall samples.  
 (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.  
 (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.  
 (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.  
 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 9  
 PARCELS 38 AND 39A (VERIFICATION AREAS 265, 266, AND 273)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana





- GENERAL NOTES:**
- (1) Cleanup Criteria
    - a.) Soils to  $\leq 1.8$  mg/kg.
      - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
    - b.) Sediments to  $\leq 1$  mg/kg.
  - (2) Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
  - (3) The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
  - (4) A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
  - (5) For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
    - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
    - UCL calculations included both floor and sidewall samples.
  - (6) The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
  - (7) Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
  - (8) The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		R1	Result (mg/kg)	FINAL	Result (mg/kg)
274	A	S-039-011008-AH-30115	ND	S-039-011008-AH-30115	ND
	B	-	-	-	-
	C	-	-	-	-
	D	-	-	-	-
	E	S-039-102506-AH-18544	0.20 J	S-039-102506-AH-18544	0.20 J
	F	-	-	-	-
	G	-	-	-	-
	H	S-039-061807-FM-22005	0.04 J	S-039-061807-FM-22005	0.04 J
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1	Result (mg/kg)	R2	Result (mg/kg)	FINAL	Result (mg/kg)
281	A	S-039-010908-AH-30105	0.81 J	-	-	S-039-010908-AH-30105	0.81 J
	B	S-039-010908-AH-30104	2.02	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	-
	C	S-039-010908-AH-30103	1.27 J	-	-	S-039-010908-AH-30103	1.27 J
	D	S-039-010908-AH-30102	0.72	-	-	S-039-010908-AH-30102	0.72
	E	-	-	-	-	-	-
	F	-	-	-	-	-	-
	G	-	-	-	-	-	-
	H	-	-	-	-	-	-
UCL Calculations							

Verification Area	Grid	Sampling Round			
		R1	Result (mg/kg)	FINAL	Result (mg/kg)
282	A	-	-	-	-
	B	-	-	-	-
	C	-	-	-	-
	D	-	-	-	-
	E	S-039-061807-FM-22004	0.05	S-039-061807-FM-22004	0.05
	F	S-039-061507-FM-22002	0.30 J	S-039-061507-FM-22002	0.30 J
	G	S-039-061507-FM-22000 {S-039-061507-FM-22001}	0.06 {0.05}	S-039-061507-FM-22000 {S-039-061507-FM-22001}	0.06 {0.05}
	H	S-039-061407-AH-16956	0.03 J	S-039-061407-AH-16956	0.03 J
UCL Calculations					

**LEGEND**

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

**VERIFICATION RESULTS**

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

**R1 S-039-010908-AH-30104 2.02** SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 10  
**PARCEL 39A (VERIFICATION AREAS 274, 281, AND 282)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**

EXCAVATION FLOOR SAMPLE RESULTS

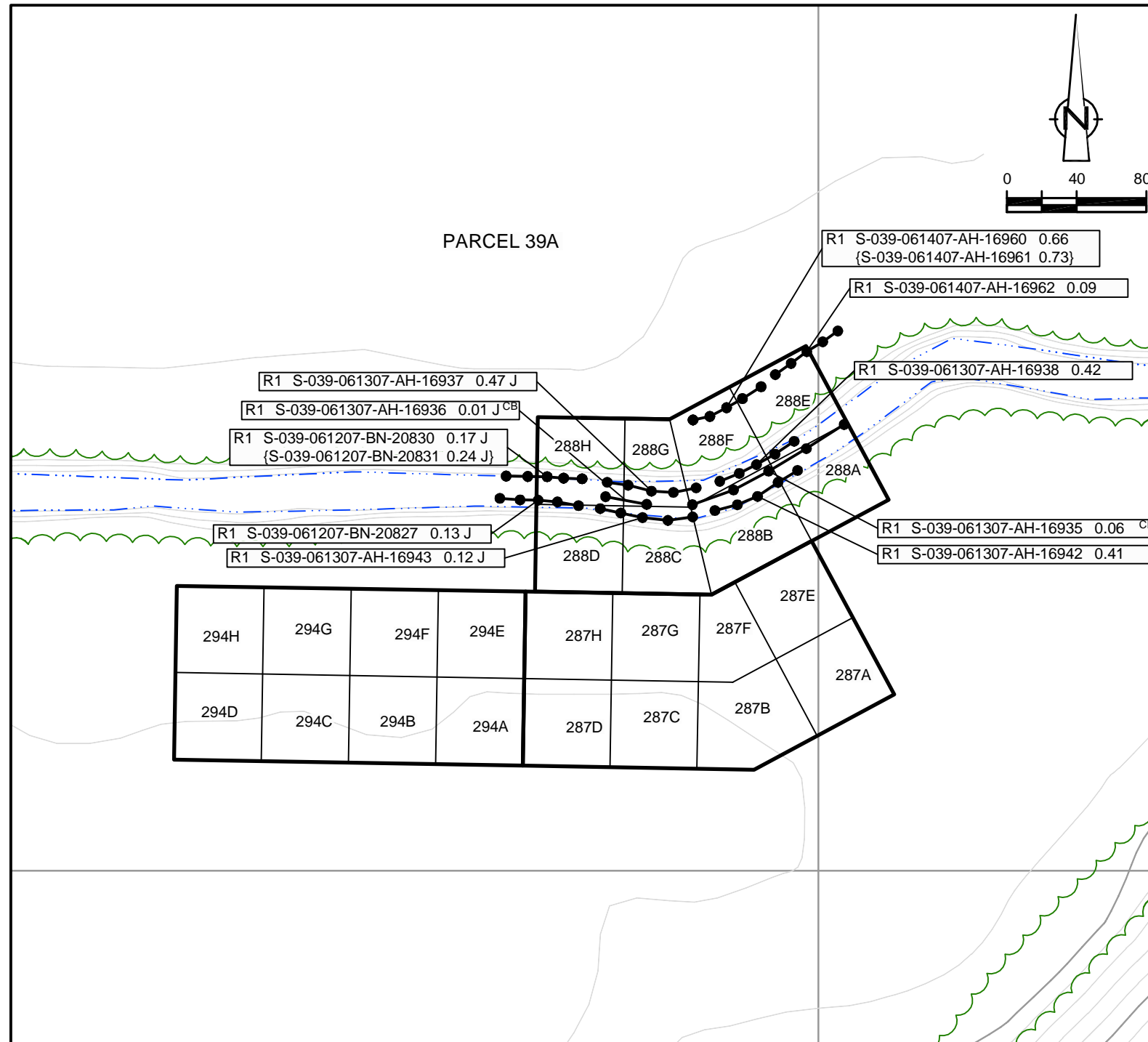
Verification Area	Grid	Sampling Round				
		R1	R2	FINAL		
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	
287	A	S-039-010908-AH-30100 {S-039-010908-AH-30101}	0.51 J (0.53 J)	-	S-039-010908-AH-30100 {S-039-010908-AH-30101}	0.51 J (0.53 J)
	B	S-039-010908-AH-30099	1.22	-	S-039-010908-AH-30099	1.22
	C	S-039-010908-AH-30098	2.00 J	RE-SAMPLE PENDING	RE-SAMPLE PENDING	
	D	S-039-010908-AH-30097	0.25 J	-	S-039-010908-AH-30097	0.25 J
	E	-	-	-	-	-
	F	-	-	-	-	-
	G	-	-	-	-	-
	H	-	-	-	-	-
UCL Calculations						

Verification Area	Grid	Sampling Round			
		R1	FINAL		
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
288	A	-	-	-	-
	B	-	-	-	-
	C	-	-	-	-
	D	-	-	-	-
	E	S-039-061407-AH-16957	0.26 J	S-039-061407-AH-16957	0.26 J
	F	S-039-061407-AH-16958	0.62	S-039-061407-AH-16958	0.62
	G	S-039-061307-AH-16944	0.05	S-039-061307-AH-16944	0.05
	H	S-039-061307-AH-16945	0.05	S-039-061307-AH-16945	0.05
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1	FINAL		
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
294	A	S-039-010908-AH-30096	1.20 J	S-039-010908-AH-30096	1.20 J
	B	S-039-010908-AH-30095	0.29 J	S-039-010908-AH-30095	0.29 J
	C	-	-	-	-
	D	-	-	-	-
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



LEGEND

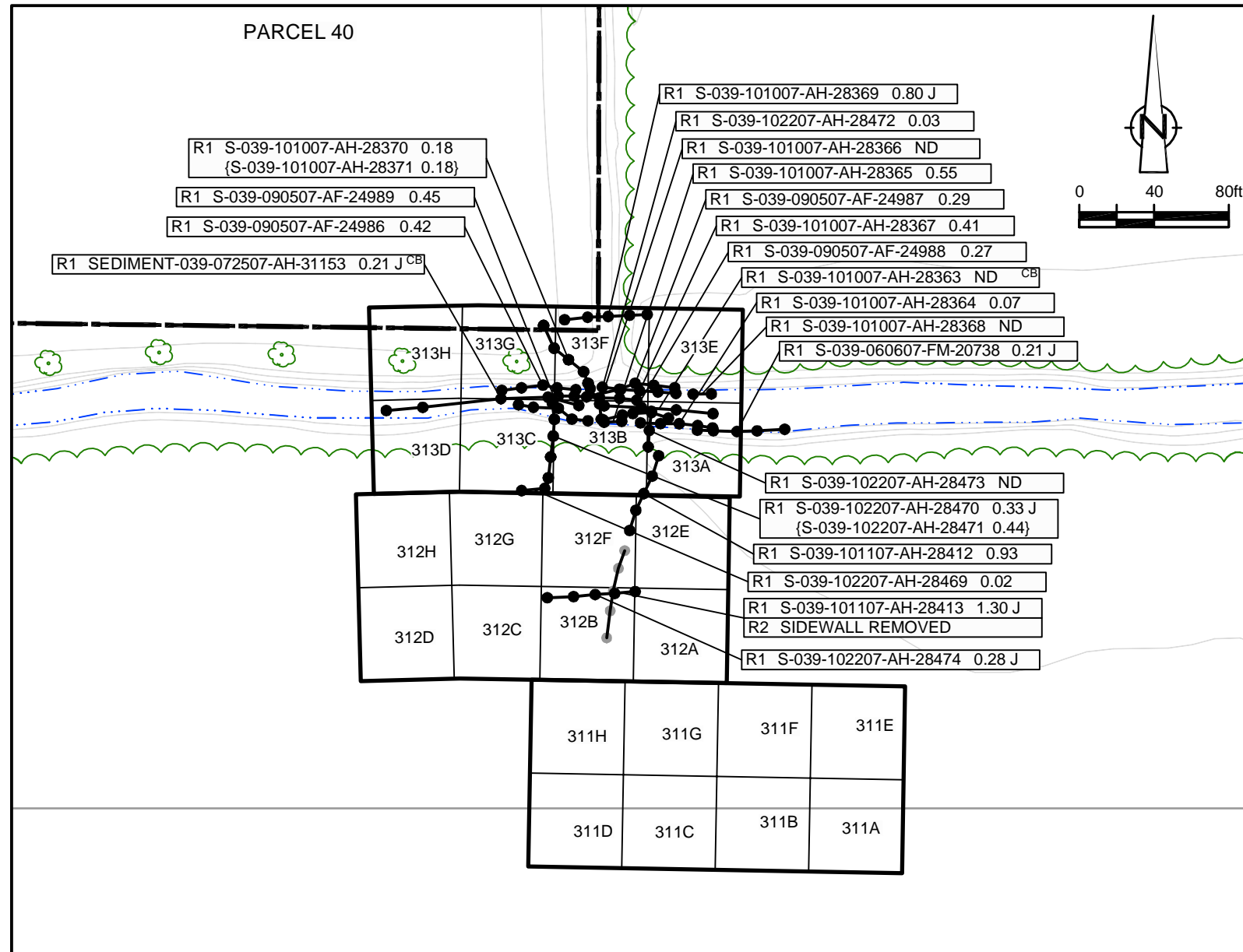
- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

R1 S-039-010908-AH-30098 2.00 J SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 11  
 PARCEL 39A (VERIFICATION AREAS 287, 288, AND 294)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
311	A	S-039-010908-AH-30094	0.21 J	S-039-010908-AH-30094	0.21 J
	B	S-039-010908-AH-30093	0.48 J	S-039-010908-AH-30093	0.48 J
	C	S-039-010908-AH-30092	0.34	S-039-010908-AH-30092	0.34
	D	S-039-010908-AH-30090 {S-039-010908-AH-30091}	1.12 1.23 J	S-039-010908-AH-30090 {S-039-010908-AH-30091}	1.12 1.23 J
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
312	A	-	-	-	-	-	-
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
	D	-	-	-	-	-	-
	E	S-039-101107-AH-28414	0.36	-	-	S-039-101107-AH-28414	0.36
	F	S-039-101107-AH-28416	1.51	S-039-102207-AH-28475	0.18 J	S-039-102207-AH-28475	0.18 J
	G	-	-	-	-	-	-
	H	-	-	-	-	-	-
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
313	A	S-039-101107-AH-28415	0.02	-	-	S-039-101107-AH-28415	0.02
	B	S-039-101107-AH-28417	1.60	S-039-102207-AH-28476	0.15 J	S-039-102207-AH-28476	0.15 J
	C	-	-	-	-	-	-
	D	S-039-101007-AH-28407	0.49 J	-	-	S-039-101007-AH-28407	0.49 J
	E	S-039-101007-AH-28394	0.02	-	-	S-039-101007-AH-28394	0.02
	F	S-039-101007-AH-28395	0.22	-	-	S-039-101007-AH-28395	0.22
	G	S-039-101007-AH-28396	0.38	-	-	S-039-101007-AH-28396	0.38
	H	S-039-101007-AH-28397	0.46	-	-	S-039-101007-AH-28397	0.46
UCL Calculations							

**GENERAL NOTES:**

- (1). Cleanup Criteria
  - a.) Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - b.) Sediments to  $\leq 1$  mg/kg.
- (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

**LEGEND**

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

**VERIFICATION RESULTS**

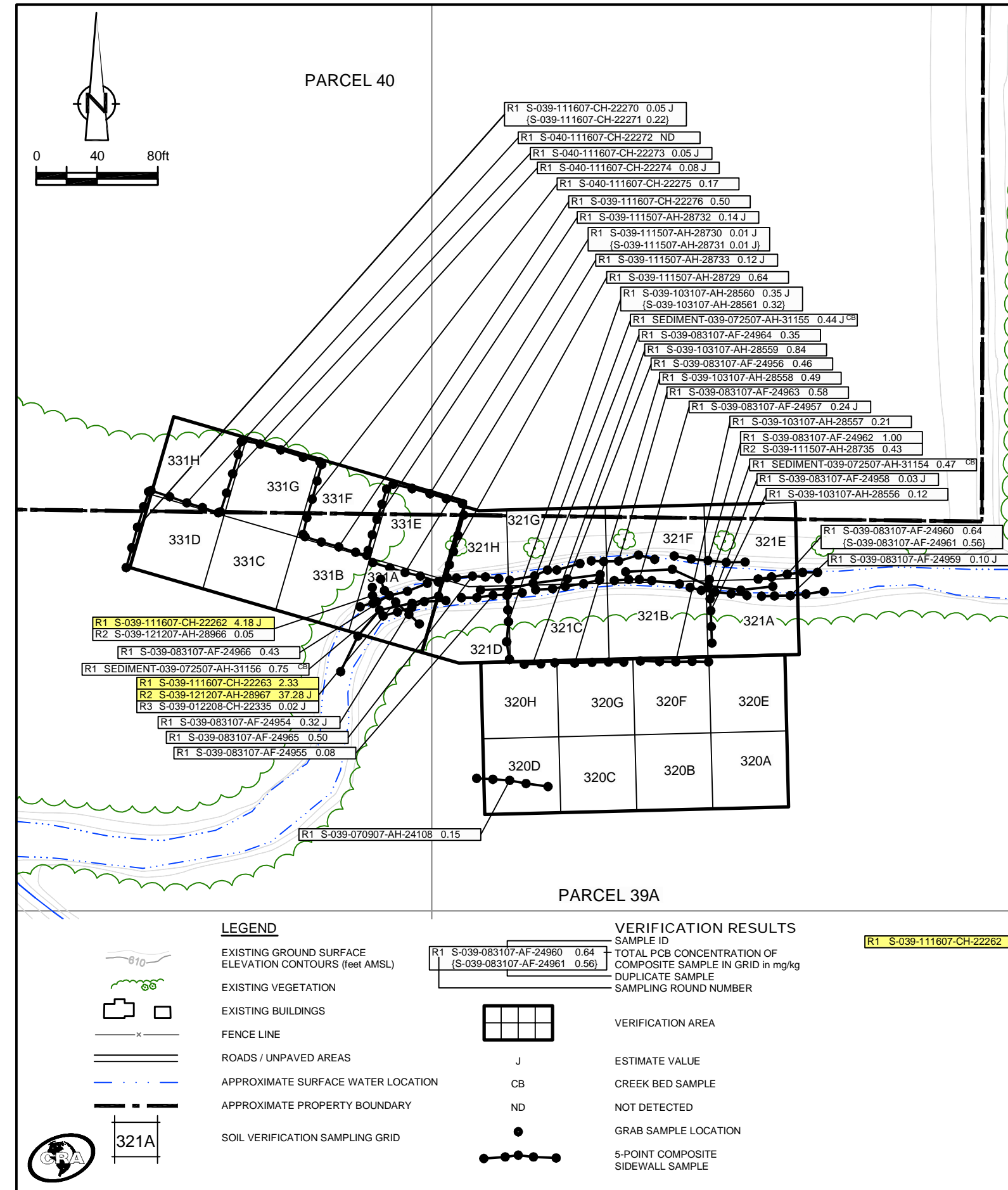
- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

**R1 S-037-052907-BN-16894 2.16 J**

- 5-POINT COMPOSITE SIDEWALL
- SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

PARCEL 39A

figure 12  
**PARCEL 39A (VERIFICATION AREAS 311 TO 313)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round			
		R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
320	A	-	-	-	-
	B	-	-	-	-
	C	-	-	-	-
	D	-	-	-	-
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
321	A	S-039-101007-AH-28406	0.59	-	-	S-039-101007-AH-28406	0.59
	B	S-039-101007-AH-28405	2.17	S-039-103107-AH-28562	0.03	S-039-103107-AH-28562	0.03
	C	S-039-101007-AH-28404	2.54	S-039-103107-AH-28563	0.36	S-039-103107-AH-28563	0.36
	D	S-039-101007-AH-28403	1.38	-	-	S-039-101007-AH-28403	1.38
	E	S-039-101007-AH-28398	0.64	-	-	S-039-101007-AH-28398	0.64
	F	S-039-101007-AH-28399	1.40	-	-	S-039-101007-AH-28399	1.40
	G	S-039-101007-AH-28400	1.27	-	-	S-039-101007-AH-28400	1.27
	H	S-039-101007-AH-28401	0.89	-	-	S-039-101007-AH-28401	0.89
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
331	A	S-039-101107-AH-28432	0.93	-	-	S-039-101107-AH-28432	0.93
	B	S-039-101107-AH-28430	3.80	S-039-111607-CH-22280	0.42	S-039-111607-CH-22280	0.42
		(S-039-101107-AH-28431)	3.85	(S-039-111607-CH-22281)	0.35	(S-039-111607-CH-22281)	0.35
	C	S-039-101107-AH-28429	3.14	S-039-111607-CH-22286	0.16 J	S-039-111607-CH-22286	0.16 J
	D	S-039-101107-AH-28428	2.28	S-039-111607-CH-22285	0.03 J	S-039-111607-CH-22285	0.03 J
	E	S-039-101107-AH-28418	1.92	S-039-111507-AH-28734	0.01 J	S-039-111507-AH-28734	0.01 J
	F	S-039-101107-AH-28419	1.24	-	-	S-039-101107-AH-28419	1.24
	G	S-040-101107-AH-28420	2.17	S-040-111607-CH-22287	0.02 J	S-040-111607-CH-22287	0.02 J
	(S-040-101107-AH-28421)	1.76					
H	S-040-101107-AH-28422	1.53	-	-	S-040-101107-AH-28422	1.53	
UCL Calculations							

GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

figure 13  
 PARCELS 39A AND 40 (VERIFICATION AREAS 320, 321, AND 331)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana

EXCAVATION FLOOR SAMPLE RESULTS

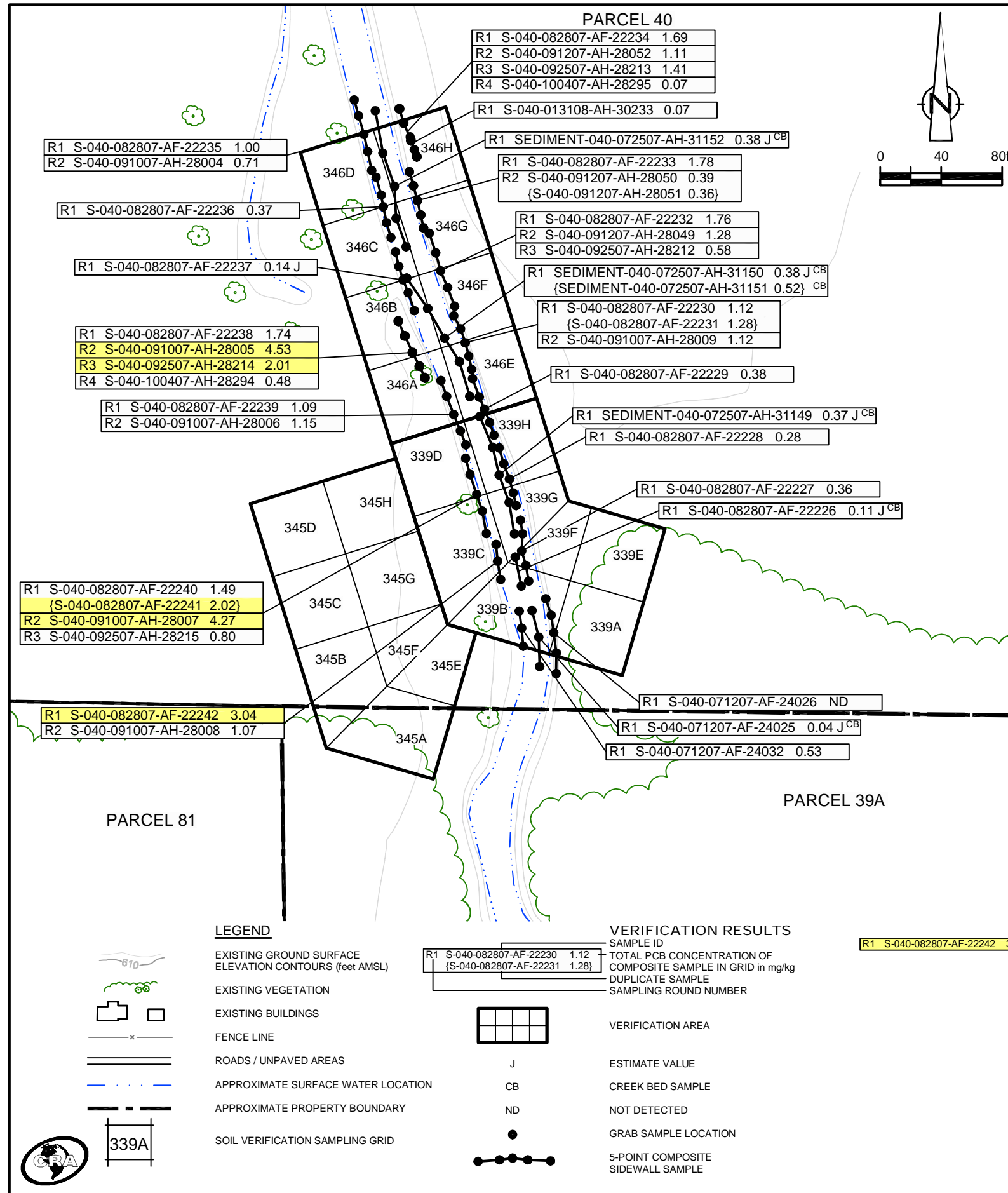
Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
339	A	-	-	-	-
	B	-	-	-	-
	C	S-040-112807-AH-28838	0.39	S-040-112807-AH-28838	0.39
	D	S-040-112807-AH-28837	0.35	S-040-112807-AH-28837	0.35
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
345	A	-	-	-	-
	B	S-040-112807-AH-28845	0.49	S-040-112807-AH-28845	0.49
	C	S-040-112807-AH-28844	0.14 J	S-040-112807-AH-28844	0.14 J
	D	S-040-112807-AH-28843	0.11 J	S-040-112807-AH-28843	0.11 J
	E	-	-	-	-
	F	S-040-112807-AH-28839	0.51	S-040-112807-AH-28839	0.51
	G	S-040-112807-AH-28840 {S-040-112807-AH-28841}	0.28 {0.24}	S-040-112807-AH-28840 {S-040-112807-AH-28841}	0.28 {0.24}
	H	S-040-112807-AH-28842	0.23	S-040-112807-AH-28842	0.23
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
346	A	S-040-112707-AH-28825	0.70	S-040-112707-AH-28825	0.70
	B	S-040-112707-AH-28824	1.32	S-040-112707-AH-28824	1.32
	C	S-040-112707-AH-28823	0.35	S-040-112707-AH-28823	0.35
	D	S-040-112707-AH-28822	0.33	S-040-112707-AH-28822	0.33
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

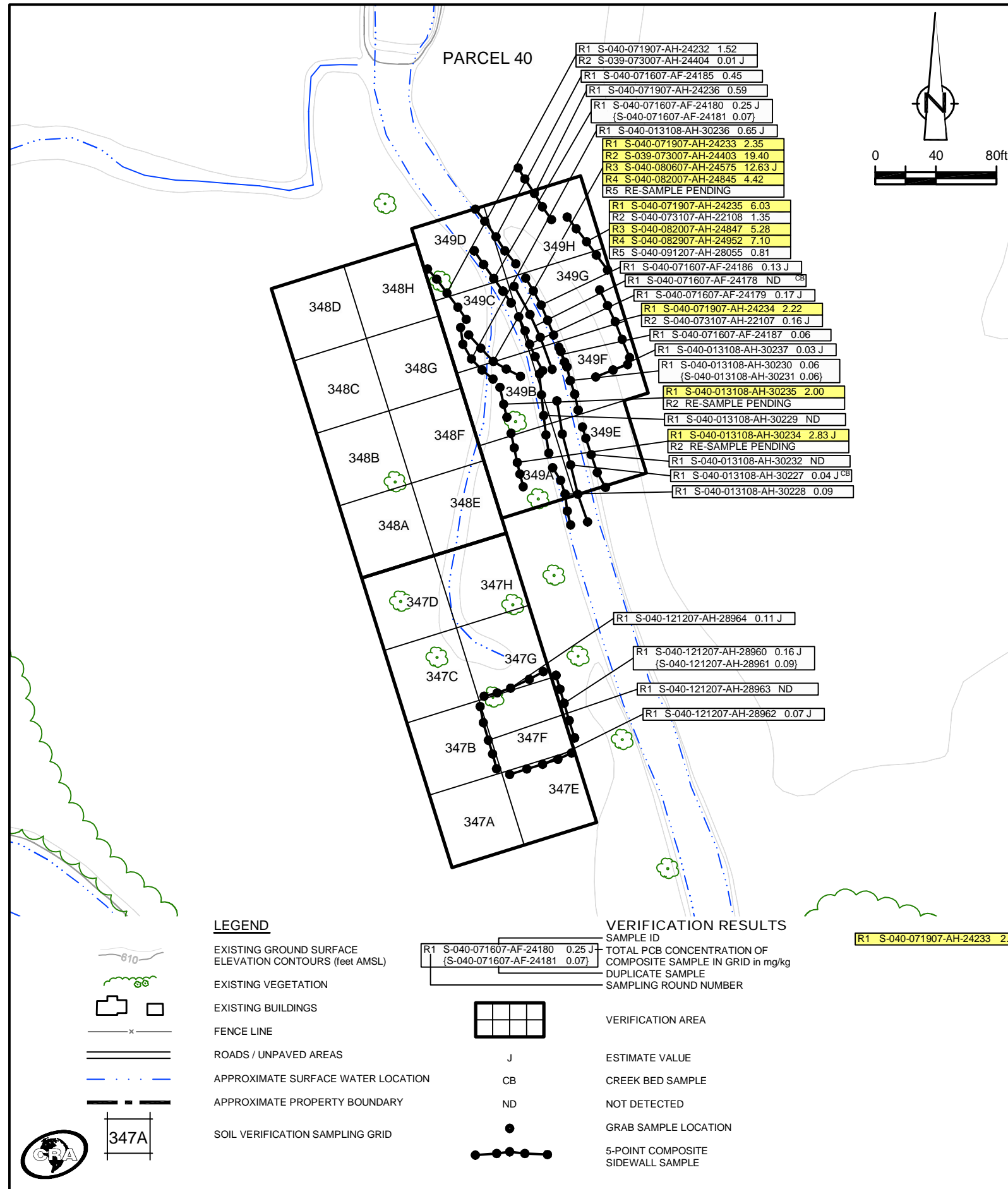
GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



R1 S-040-082807-AF-22242 3.04 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 14  
 PARCELS 39A AND 40 (VERIFICATION AREAS 339, 345, AND 346)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
347	A	S-040-112707-AH-28836	0.27	-	-	S-040-112707-AH-28836	0.27
	B	S-040-112707-AH-28835	0.22	-	-	S-040-112707-AH-28835	0.22
	C	S-040-112707-AH-28834	0.70	-	-	S-040-112707-AH-28834	0.70
	D	S-040-112707-AH-28833	0.31	-	-	S-040-112707-AH-28833	0.31
	E	S-040-112707-AH-28826	0.33	-	-	S-040-112707-AH-28826	0.33
	F	S-040-112707-AH-28827	2.28	S-040-121207-AH-28965	ND	S-040-121207-AH-28965	ND
	G	S-040-112707-AH-28828	0.29	-	-	S-040-112707-AH-28828	0.29
	H	S-040-112707-AH-28829	0.76	-	-	S-040-112707-AH-28829	0.76
UCL Calculations							

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
348	A	S-040-112707-AH-28832	0.59	S-040-112707-AH-28832	0.59
	B	S-040-112807-AH-28846	0.23	S-040-112807-AH-28846	0.23
	C	S-040-112807-AH-28847	0.36	S-040-112807-AH-28847	0.36
	D	S-040-112807-AH-28848	0.78	S-040-112807-AH-28848	0.78
	E	S-040-112707-AH-28830	0.60	S-040-112707-AH-28830	0.60
	F	(S-040-112707-AH-28831)	0.76	(S-040-112707-AH-28831)	0.76
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
349	A	S-040-013108-AH-30240	0.19 J	-	-	S-040-013108-AH-30240	0.19 J
		(S-040-013108-AH-30241)	0.23 J	-	-	(S-040-013108-AH-30241)	0.23 J
	B	S-040-013108-AH-30242	5.85 J	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
	C	S-040-013108-AH-30243	1.85	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
	D	S-040-013108-AH-30244	4.00	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
	E	S-040-013108-AH-30239	0.23 J	-	-	S-040-013108-AH-30239	0.23 J
	F	S-040-013108-AH-30238	25.20 J	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	RE-SAMPLE PENDING
	G	S-040-071907-AH-24240	ND	-	-	S-040-071907-AH-24240	ND
	(S-040-071907-AH-24241)	ND	-	-	(S-040-071907-AH-24241)	ND	
H	S-040-071907-AH-24239	0.07 J	-	-	S-040-071907-AH-24239	0.07 J	
UCL Calculations							

**GENERAL NOTES:**

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

figure 15  
**PARCEL 40 (VERIFICATION AREAS 347 TO 349)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**

EXCAVATION FLOOR SAMPLE RESULTS

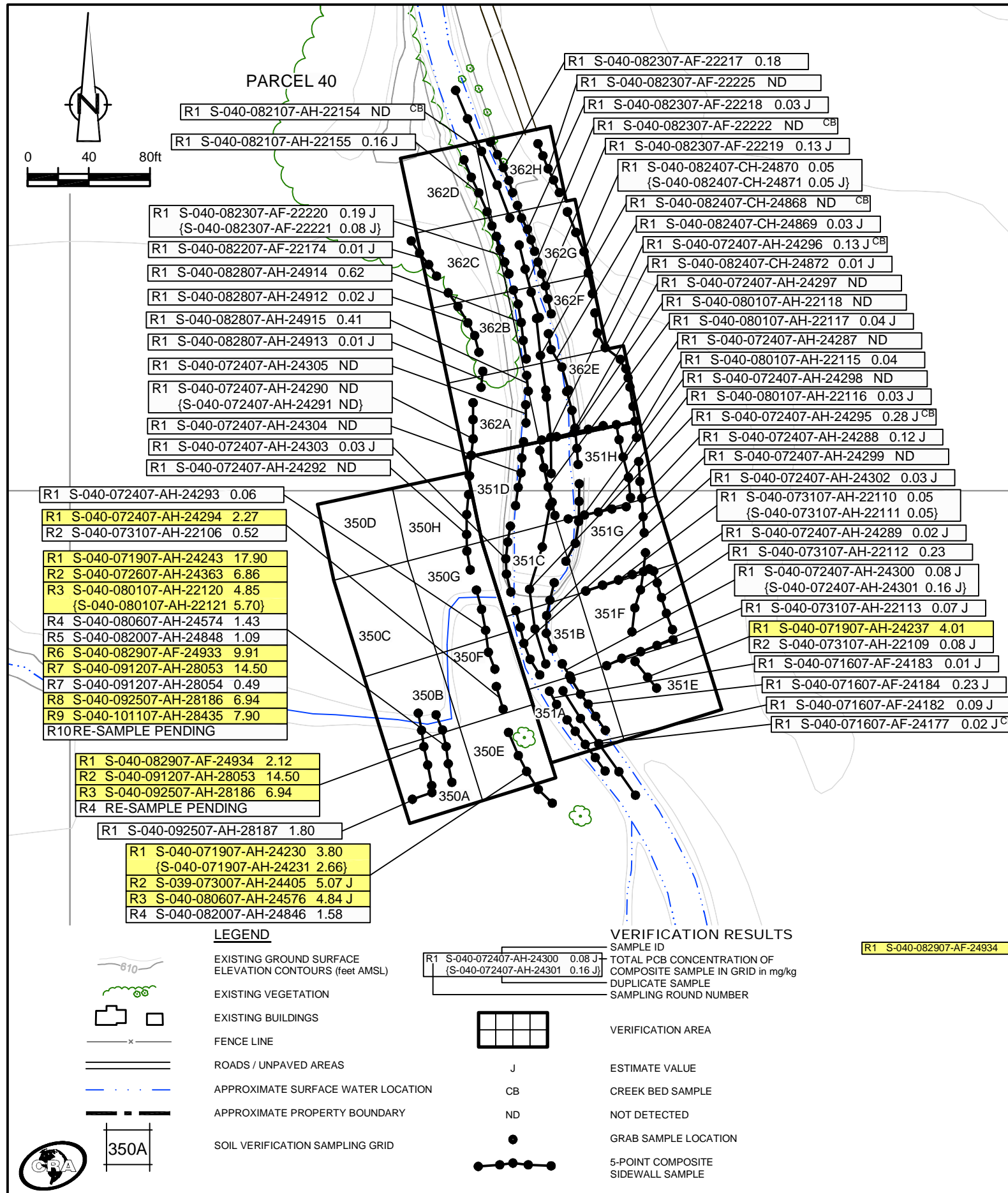
Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
350	A	-	-	-	-
	B	-	-	-	-
	C	S-040-011108-AH-30134	0.21	S-040-011108-AH-30134	0.21
	D	S-040-011108-AH-30133	0.44	S-040-011108-AH-30133	0.44
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	S-040-011108-AH-30132	0.52	S-040-011108-AH-30132	0.52
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
351	A	S-040-071907-AH-24242	0.03 J	-	-	S-040-071907-AH-24242	0.03 J
	B	S-040-072407-AH-24308	ND	-	-	S-040-072407-AH-24308	ND
	C	S-040-072407-AH-24309	ND	-	-	S-040-072407-AH-24309	ND
	D	S-040-072407-AH-24310 {S-040-072407-AH-24311}	ND	-	-	S-040-072407-AH-24310 {S-040-072407-AH-24311}	ND (ND)
	E	S-040-071907-AH-24238	ND	-	-	S-040-071907-AH-24238	ND
	F	S-040-072407-AH-24307	3.80	S-040-073107-AH-22114	0.29	S-040-073107-AH-22114	0.29
	G	S-040-072407-AH-24306	0.02 J	-	-	S-040-072407-AH-24306	0.02 J
	H	S-040-072407-AH-24312	1.46	S-040-080107-AH-22119	ND	S-040-080107-AH-22119	ND
UCL Calculations							

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
362	A	S-040-082807-AH-24916	0.02 J	-	-	S-040-082807-AH-24916	0.02 J
	B	S-040-082807-AH-24917	0.05	S-040-012208-CH-22334	0.25	S-040-012208-CH-22334	0.25
	C	S-040-082807-AH-24918	0.33	-	-	S-040-082807-AH-24918	0.33
	D	S-040-082207-AF-22178	0.33 J	-	-	S-040-082207-AF-22178	0.33 J
	E	S-040-082407-CH-24873	0.03 J	-	-	S-040-082407-CH-24873	0.03 J
	F	S-040-082407-CH-24874	0.06	-	-	S-040-082407-CH-24874	0.06
	G	S-040-082407-CH-24875	0.04	-	-	S-040-082407-CH-24875	0.04
	H	S-040-082407-CH-24876	0.25	-	-	S-040-082407-CH-24876	0.25
UCL Calculations							

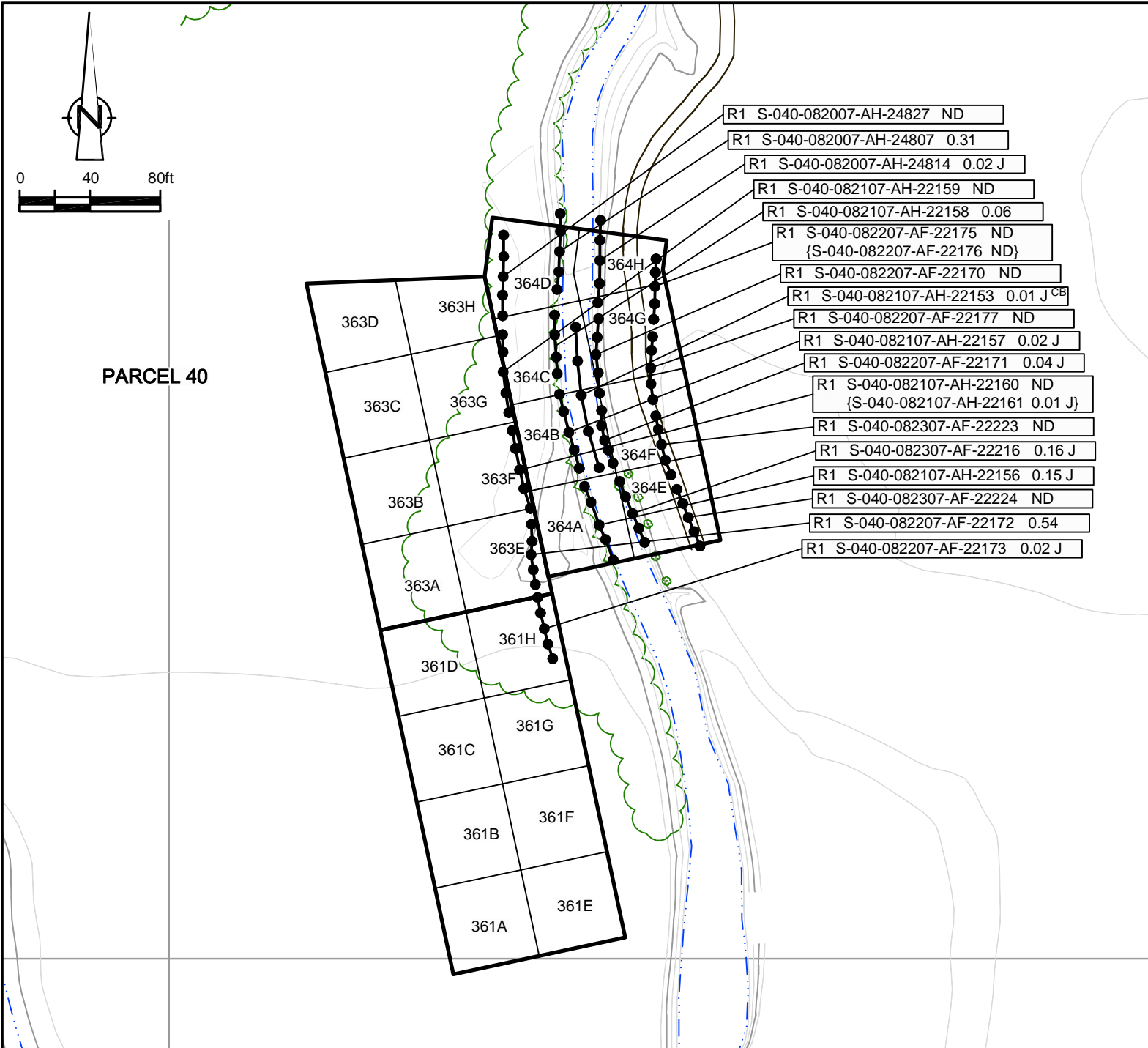
GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



R1 S-040-082907-AF-24934 2.12 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 16  
 PARCEL 40 (VERIFICATION AREAS 350, 351, AND 362)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
361	A	S-040-011408-AH-30136	0.30	S-040-011408-AH-30136	0.30
	B	S-040-011408-AH-30137	0.70	S-040-011408-AH-30137	0.70
	C	S-040-011408-AH-30138	0.52	S-040-011408-AH-30138	0.52
	D	S-040-011408-AH-30139	0.37	S-040-011408-AH-30139	0.37
	E	S-040-011108-AH-30130	1.10	S-040-011108-AH-30130	1.10
		(S-040-011108-AH-30131)	(0.60)	(S-040-011108-AH-30131)	(0.60)
	F	S-040-011108-AH-30129	0.40	S-040-011108-AH-30129	0.40
	G	S-040-011108-AH-30128	0.25 J	S-040-011108-AH-30128	0.25 J
H	S-040-011108-AH-30127	0.26 J	S-040-011108-AH-30127	0.26 J	
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
363	A	S-040-011408-AH-30140	0.47	S-040-011408-AH-30140	0.47
		(S-040-011408-AH-30141)	(0.47)	(S-040-011408-AH-30141)	(0.47)
	B	S-040-011408-AH-30142	0.31	S-040-011408-AH-30142	0.31
	C	S-040-011408-AH-30143	0.32	S-040-011408-AH-30143	0.32
	D	S-040-011408-AH-30144	0.21	S-040-011408-AH-30144	0.21
	E	S-040-011108-AH-30126	0.48	S-040-011108-AH-30126	0.48
	F	S-040-011108-AH-30125	0.28 J	S-040-011108-AH-30125	0.28 J
	G	S-040-011108-AH-30124	0.13 J	S-040-011108-AH-30124	0.13 J
H	S-040-011108-AH-30123	0.14 J	S-040-011108-AH-30123	0.14 J	
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
364	A	S-040-082207-AF-22179	0.66	S-040-082207-AF-22179	0.66
	B	S-040-082207-AF-22180	ND	S-040-082207-AF-22180	ND
	C	S-040-082207-AF-22181	ND	S-040-082207-AF-22181	ND
	D	S-040-082007-AH-24819	0.01 J	S-040-082007-AH-24819	0.01 J
	E	S-040-082407-CH-24877	0.14	S-040-082407-CH-24877	0.14
	F	S-040-082207-AF-22182	0.14	S-040-082207-AF-22182	0.14
	G	S-040-082207-AF-22183	0.05 J	S-040-082207-AF-22183	0.05 J
	H	S-040-082007-AH-24818	ND	S-040-082007-AH-24818	ND
UCL Calculations					

**GENERAL NOTES:**

- (1). Cleanup Criteria
  - a.) Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - b.) Sediments to  $\leq 1$  mg/kg.
- (2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- (5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- (6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (8). The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

**LEGEND**

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

**VERIFICATION RESULTS**

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

R1 S-040-071907-AH-24237 4.01 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 17  
**PARCEL 40 (VERIFICATION AREAS 361, 363, AND 364)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**



EXCAVATION FLOOR SAMPLE RESULTS

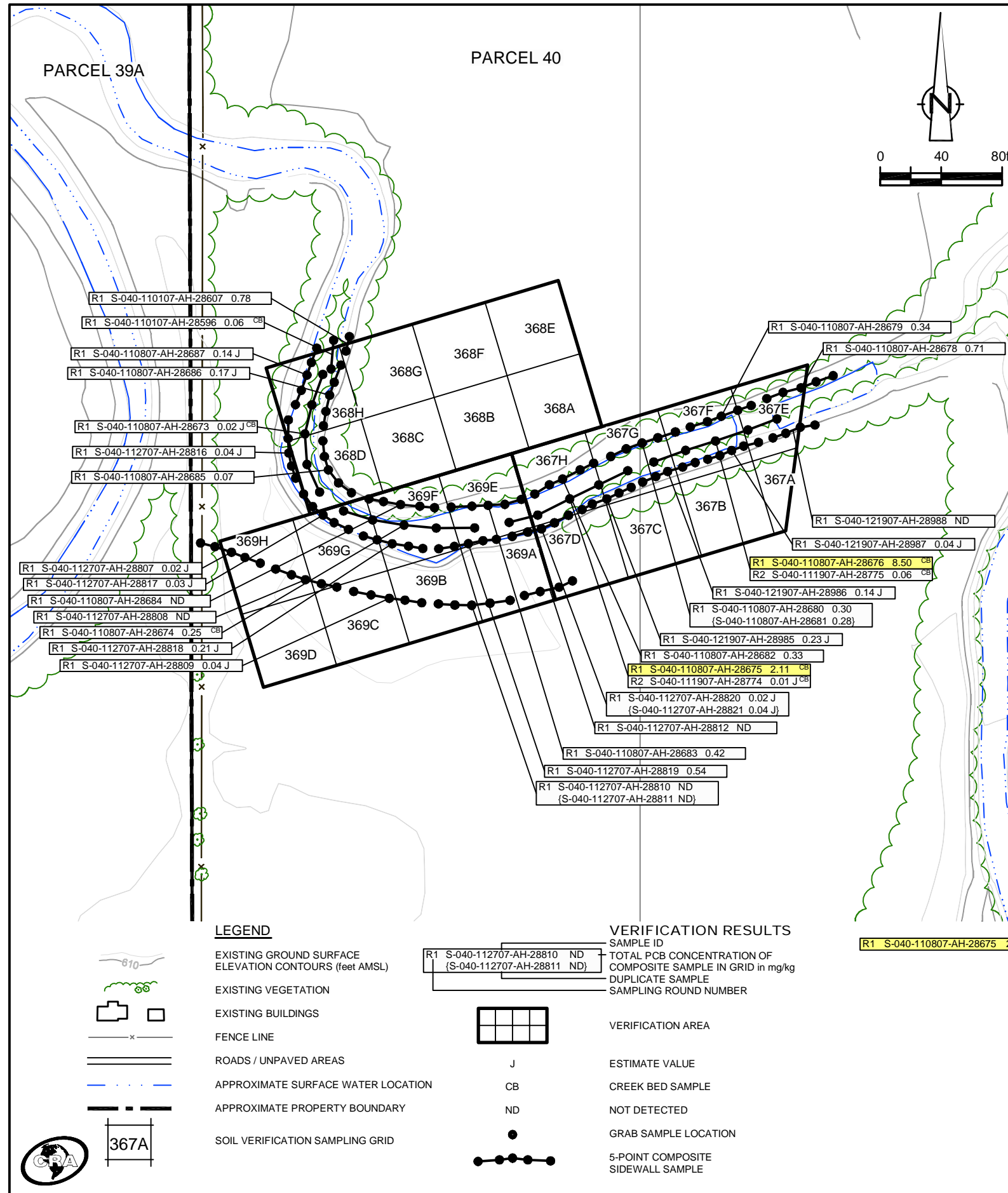
Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
367	A	S-040-010308-AH-30045	0.14 J	S-040-010308-AH-30045	0.14 J
	B	S-040-010308-AH-30044	0.22 J	S-040-010308-AH-30044	0.22 J
	C	S-040-010308-AH-30043	1.01	S-040-010308-AH-30043	1.01
	D	S-040-010308-AH-30042	0.25 J	S-040-010308-AH-30042	0.25 J
	E	S-040-010308-AH-30052	1.26 J	S-040-010308-AH-30052	1.26 J
	F	S-040-010308-AH-30053	0.58	S-040-010308-AH-30053	0.58
	G	S-040-010308-AH-30054	0.28 J	S-040-010308-AH-30054	0.28 J
	H	S-040-010308-AH-30055	0.71	S-040-010308-AH-30055	0.71
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
368	A	S-040-110807-AH-28688	1.26	S-040-110807-AH-28688	1.26
	B	S-040-110807-AH-28689	1.02	S-040-110807-AH-28689	1.02
	C	S-040-110807-AH-28690 (S-040-110807-AH-28691)	1.02 (0.99)	S-040-110807-AH-28690 (S-040-110807-AH-28691)	1.02 (0.99)
	D	-	-	-	-
	E	S-040-110807-AH-28697	0.76	S-040-110807-AH-28697	0.76
	F	S-040-110807-AH-28696	0.84	S-040-110807-AH-28696	0.84
	G	S-040-110807-AH-28695	0.92	S-040-110807-AH-28695	0.92
	H	S-040-110807-AH-28694	0.10 J	S-040-110807-AH-28694	0.10 J
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
369	A	S-040-113007-MD-22303	0.08 J	S-040-113007-MD-22303	0.08 J
	B	S-040-113007-MD-22304	0.14 J	S-040-113007-MD-22304	0.14 J
	C	S-040-113007-MD-22305	0.08 J	S-040-113007-MD-22305	0.08 J
	D	S-040-113007-MD-22306	0.06 J	S-040-113007-MD-22306	0.06 J
	E	S-040-113007-MD-22308	0.33 J	S-040-113007-MD-22308	0.33 J
	F	S-040-113007-MD-22309	0.69	S-040-113007-MD-22309	0.69
	G	S-040-113007-MD-22310 (S-040-113007-MD-22311)	0.06 (0.14 J)	S-040-113007-MD-22310 (S-040-113007-MD-22311)	0.06 (0.14 J)
	H	S-040-112907-AH-28896	0.08 J	S-040-112907-AH-28896	0.08 J
UCL Calculations					

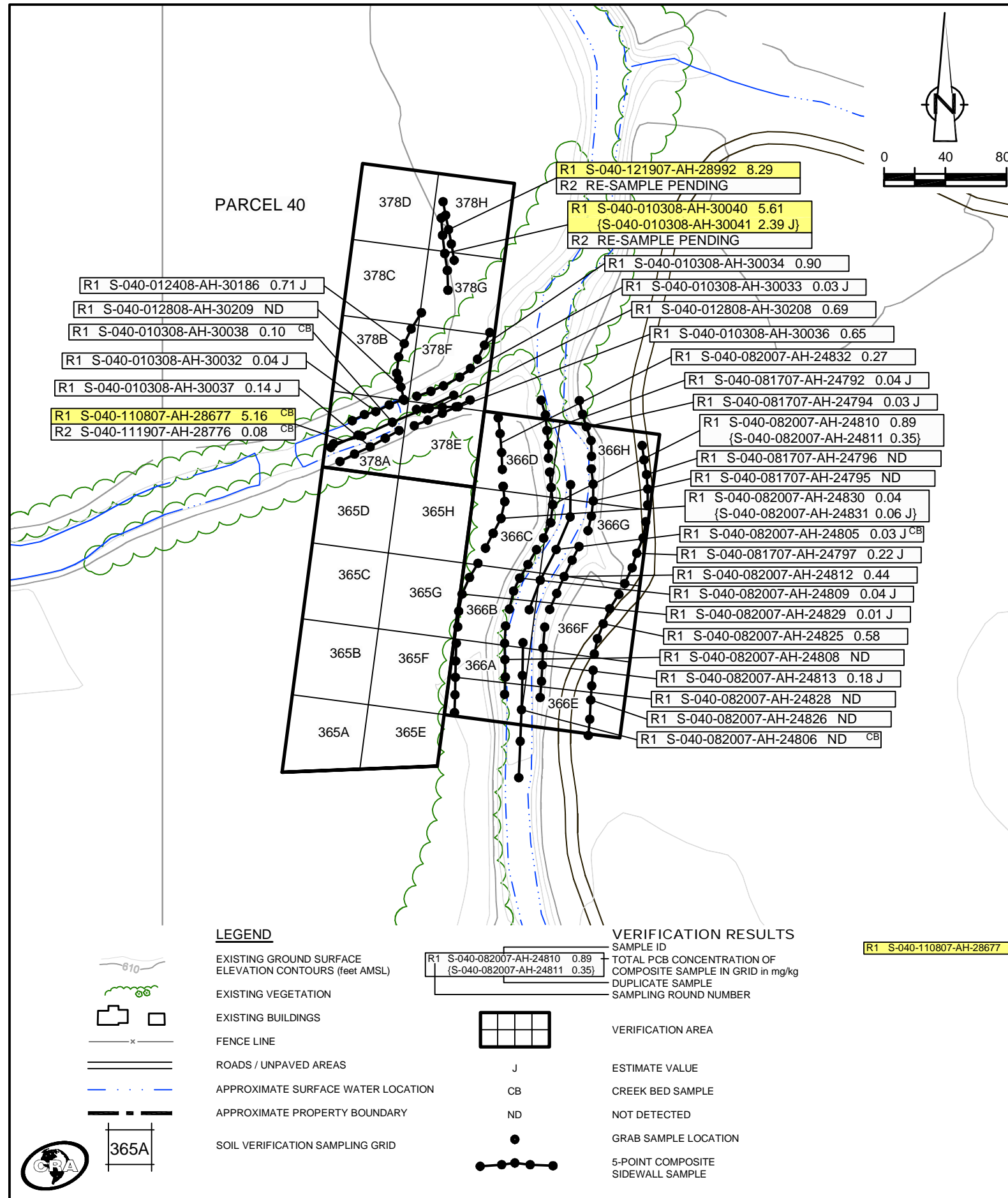
GENERAL NOTES:

- Cleanup Criteria
  - Soils to  $\leq 1.8$  mg/kg.
    - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
  - Sediments to  $\leq 1$  mg/kg.
- Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
- For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
  - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
  - UCL calculations included both floor and sidewall samples.
- The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



R1 S-040-110807-AH-28675 2.11 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 18  
 PARCEL 40 (VERIFICATION AREAS 367 TO 369)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
365	A	S-040-011408-AH-30145	0.26	S-040-011408-AH-30145	0.26
	B	S-040-011408-AH-30146	0.26	S-040-011408-AH-30146	0.26
	C	S-040-011408-AH-30147	0.18	S-040-011408-AH-30147	0.18
	D	S-040-010308-AH-30046	0.36	S-040-010308-AH-30046	0.36
	E	S-040-011108-AH-30122	0.17 J	S-040-011108-AH-30122	0.17 J
	F	S-040-011108-AH-30120 {S-040-011108-AH-30121}	0.36 {0.37}	S-040-011108-AH-30120 {S-040-011108-AH-30121}	0.36 {0.37}
	G	S-040-011108-AH-30119	0.19 J	S-040-011108-AH-30119	0.19 J
	H	S-040-011108-AH-30118	0.19 J	S-040-011108-AH-30118	0.19 J
UCL Calculations					

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
366	A	S-040-082007-AH-24820 {S-040-082007-AH-24821}	0.20 J {0.18 J}	S-040-082007-AH-24820 {S-040-082007-AH-24821}	0.20 J {0.18 J}
	B	S-040-082007-AH-24822	ND	S-040-082007-AH-24822	ND
	C	S-040-082007-AH-24823	0.20 J	S-040-082007-AH-24823	0.20 J
	D	S-040-082007-AH-24824	0.60	S-040-082007-AH-24824	0.60
	E	S-040-082007-AH-24817	0.03 J	S-040-082007-AH-24817	0.03 J
	F	S-040-082007-AH-24816	0.44	S-040-082007-AH-24816	0.44
	G	S-040-082007-AH-24815	0.39	S-040-082007-AH-24815	0.39
	H	S-040-081707-AH-24785	ND	S-040-081707-AH-24785	ND
UCL Calculations					

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
378	A	S-040-010308-AH-30048	0.03 J	-	-	S-040-010308-AH-30048	0.03 J
	B	S-040-012408-AH-30187	3.85 J	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	-
	C	S-040-012408-AH-30188	4.40	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	-
	D	S-040-012408-AH-30189	3.58	RE-SAMPLE PENDING	-	RE-SAMPLE PENDING	-
	E	S-040-010308-AH-30047	0.29 J	-	-	S-040-010308-AH-30047	0.29 J
	F	S-040-010308-AH-30049 {S-040-010308-AH-30050}	3.42 J {0.86}	S-040-012808-AH-30210 {S-040-012808-AH-30211}	0.12 {0.11}	S-040-012808-AH-30210 {S-040-012808-AH-30211}	0.12 {0.11}
	G	S-040-010308-AH-30050 {S-040-010308-AH-30051}	0.43 J {0.86}	-	-	S-040-010308-AH-30050 {S-040-010308-AH-30051}	0.43 J {0.86}
	H	S-040-121907-AH-28995	0.60	-	-	S-040-121907-AH-28995	0.60
UCL Calculations							

- GENERAL NOTES:**
- Cleanup Criteria
    - Soils to  $\leq 1.8$  mg/kg.
      - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
    - Sediments to  $\leq 1$  mg/kg.
  - Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
  - The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
  - A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
    - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
    - UCL calculations included both floor and sidewall samples.
  - The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
  - Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
  - The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

R1 S-040-110807-AH-28677 5.16

SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 19  
**PARCEL 40 (VERIFICATION AREAS 365, 366, AND 378)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana**

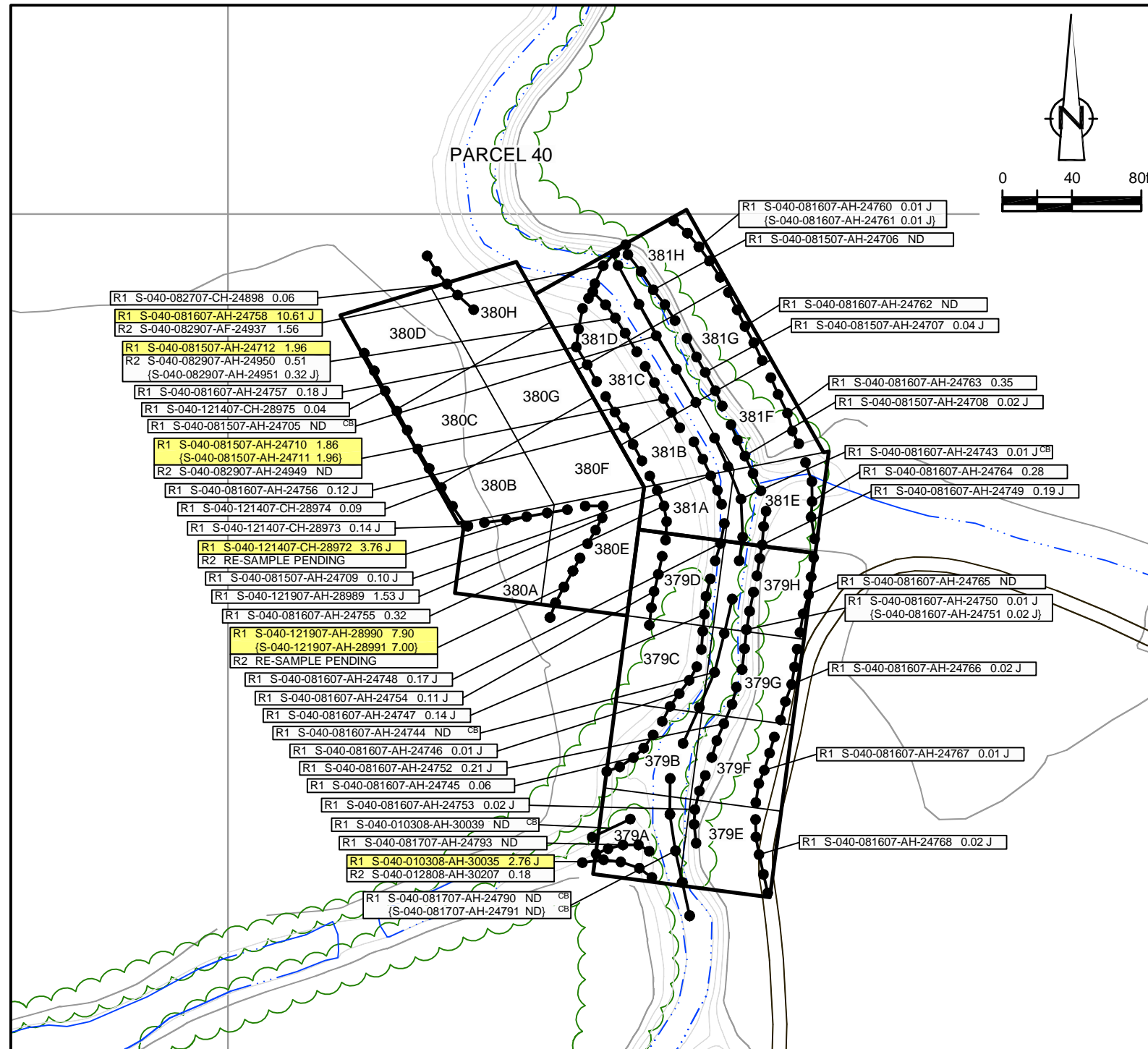
EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
379	A	S-040-081707-AH-24786	ND	S-040-081707-AH-24786	ND
	B	S-040-081707-AH-24787	ND	S-040-081707-AH-24787	ND
	C	S-040-081707-AH-24788	0.07	S-040-081707-AH-24788	0.07
	D	S-040-081707-AH-24789	0.03 J	S-040-081707-AH-24789	0.03 J
	E	S-040-121907-AH-28996	0.06	S-040-121907-AH-28996	0.06
	F	S-040-081707-AH-24784	0.02 J	S-040-081707-AH-24784	0.02 J
	G	S-040-081707-AH-24783	0.26 J	S-040-081707-AH-24783	0.26 J
	H	S-040-081707-AH-24782	0.03 J	S-040-081707-AH-24782	0.03 J
UCL Calculations		S-040-081707-AH-24780	0.05	S-040-081707-AH-24780	0.05
		S-040-081707-AH-24781	0.04 J	S-040-081707-AH-24781	0.04 J

Verification Area	Grid	Sampling Round					
		R1		R2		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
380	A	S-040-012908-AH-30222	0.65	-	-	S-040-012908-AH-30222	0.65
	B	S-040-112007-AH-28804	2.88	S-040-121407-CH-28979	0.03 J	S-040-121407-CH-28979	0.03 J
	C	S-040-112007-AH-28803	1.53	S-040-121407-CH-28980	0.02 J	S-040-121407-CH-28980	0.02 J
	D	S-040-112007-AH-28804	2.13	S-040-121407-CH-28982	ND	S-040-121407-CH-28982	ND
	E	S-040-121907-AH-28994	0.49	-	-	S-040-121907-AH-28994	0.49
	F	S-040-112007-AH-28805	3.76	S-040-121907-AH-28993	0.10	S-040-121907-AH-28993	0.10
	G	S-040-112007-AH-28802	2.71	S-040-121407-CH-28984	0.07	S-040-121407-CH-28984	0.07
	H	S-040-112007-AH-28800	0.66	-	-	S-040-112007-AH-28800	0.66
UCL Calculations		S-040-112007-AH-28801	1.15	-	-	S-040-112007-AH-28801	1.15

Verification Area	Grid	Sampling Round			
		R1		FINAL	
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
381	A	S-040-081707-AH-24779	0.21 J	S-040-081707-AH-24779	0.21 J
	B	S-040-081607-AH-24774	0.01 J	S-040-081607-AH-24774	0.01 J
	C	S-040-081607-AH-24773	ND	S-040-081607-AH-24773	ND
	D	S-040-081607-AH-24772	0.02 J	S-040-081607-AH-24772	0.02 J
	E	S-040-081707-AH-24778	0.18 J	S-040-081707-AH-24778	0.18 J
	F	S-040-081607-AH-24775	0.08 J	S-040-081607-AH-24775	0.08 J
	G	S-040-081607-AH-24776	0.01 J	S-040-081607-AH-24776	0.01 J
	H	S-040-081607-AH-24777	ND	S-040-081607-AH-24777	ND
UCL Calculations					

- GENERAL NOTES:
- Cleanup Criteria
    - Soils to  $\leq 1.8$  mg/kg.
      - if all results are  $< 5.0$  mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is  $\leq 1.8$  mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
    - Sediments to  $\leq 1$  mg/kg.
  - Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
  - The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
  - A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
    - For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
      - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using half the quantitation limit where ND results are reported.
      - UCL calculations included both floor and sidewall samples.
  - The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
  - Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
  - The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.



LEGEND

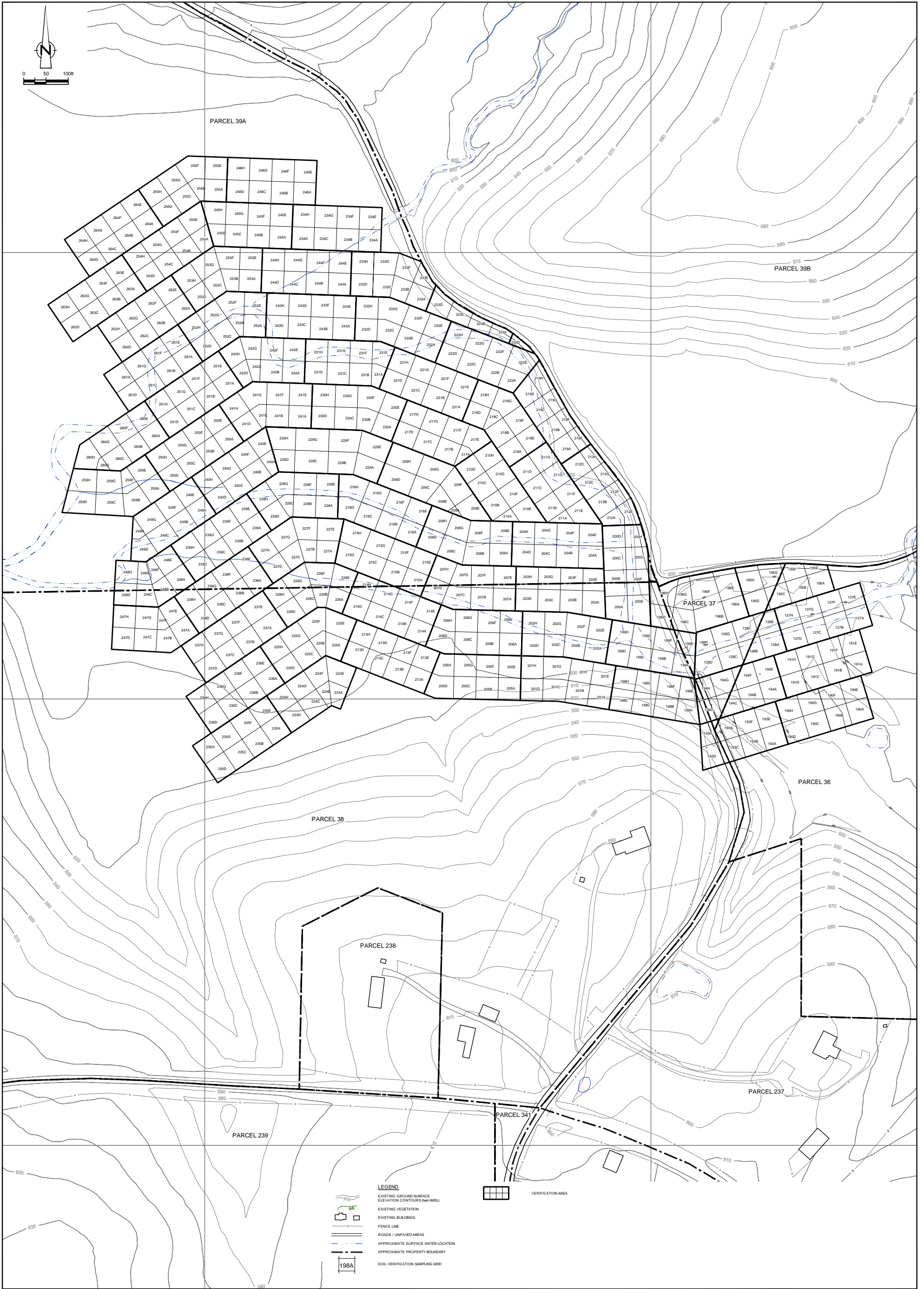
- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- ESTIMATE VALUE
- CREEK BED SAMPLE
- NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

R1 S-040-010308-AH-30035 2.76 J SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 20  
 PARCEL 40 (VERIFICATION AREAS 379 TO 381)  
 FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana



NO	Revision	Date	Initial

**SCALE VERIFICATION**  
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved \_\_\_\_\_

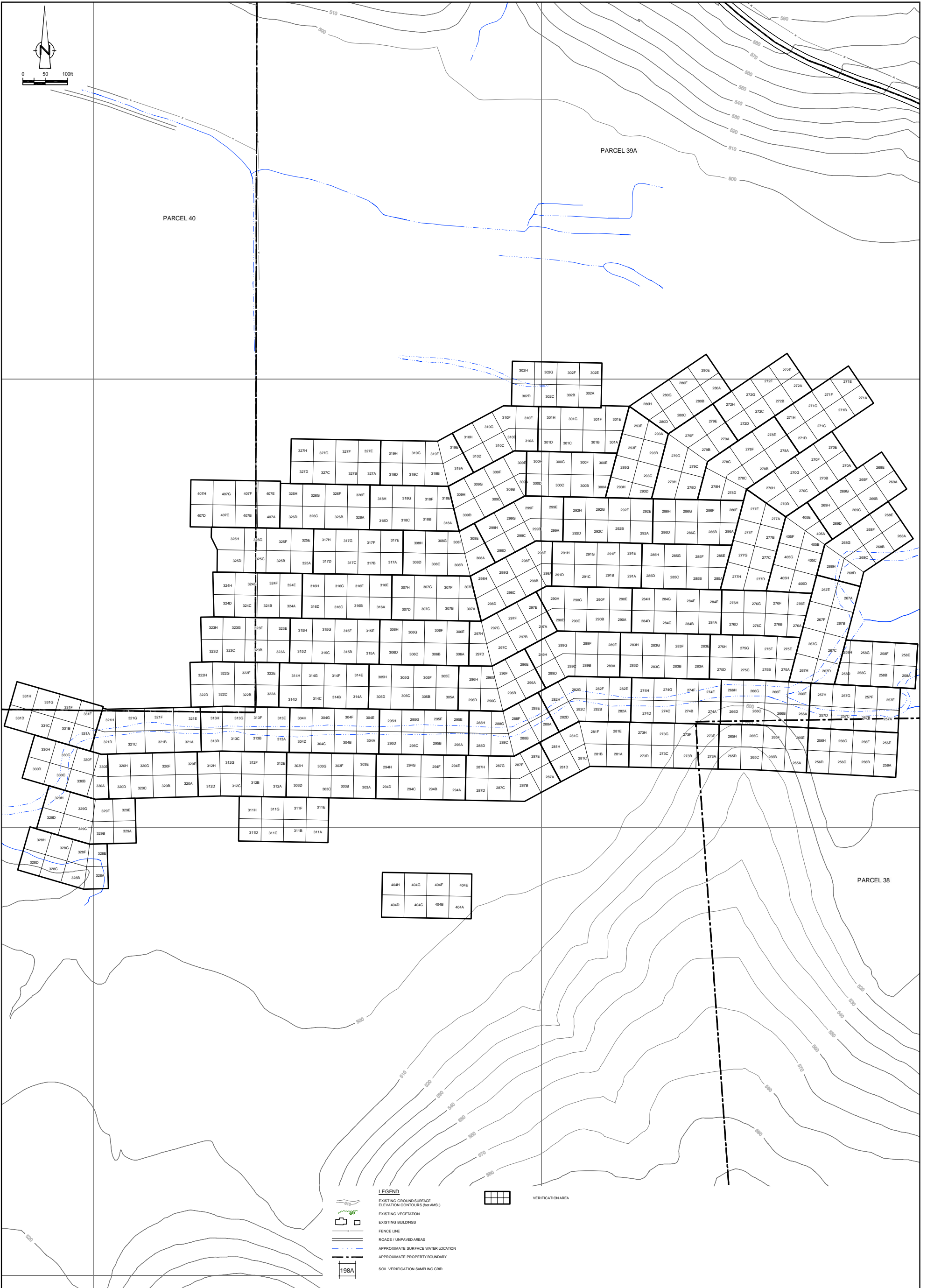
**GM POWERTAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

**POST - EXCAVATION SUMMARY**

**VERIFICATION AREAS - PARCELS 36 TO 39  
GRID LOCATIONS**

Source Reference:  
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001.

Project Manager: M.K.	Reviewed By: P.G.	Date: FEBRUARY 2008
Scale: AS SHOWN	Project N <sup>o</sup> : 13968-00	Report N <sup>o</sup> : 266
		Drawing N <sup>o</sup> : figure 21



NO	Revision	Date	Initial

**SCALE VERIFICATION**  
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved \_\_\_\_\_

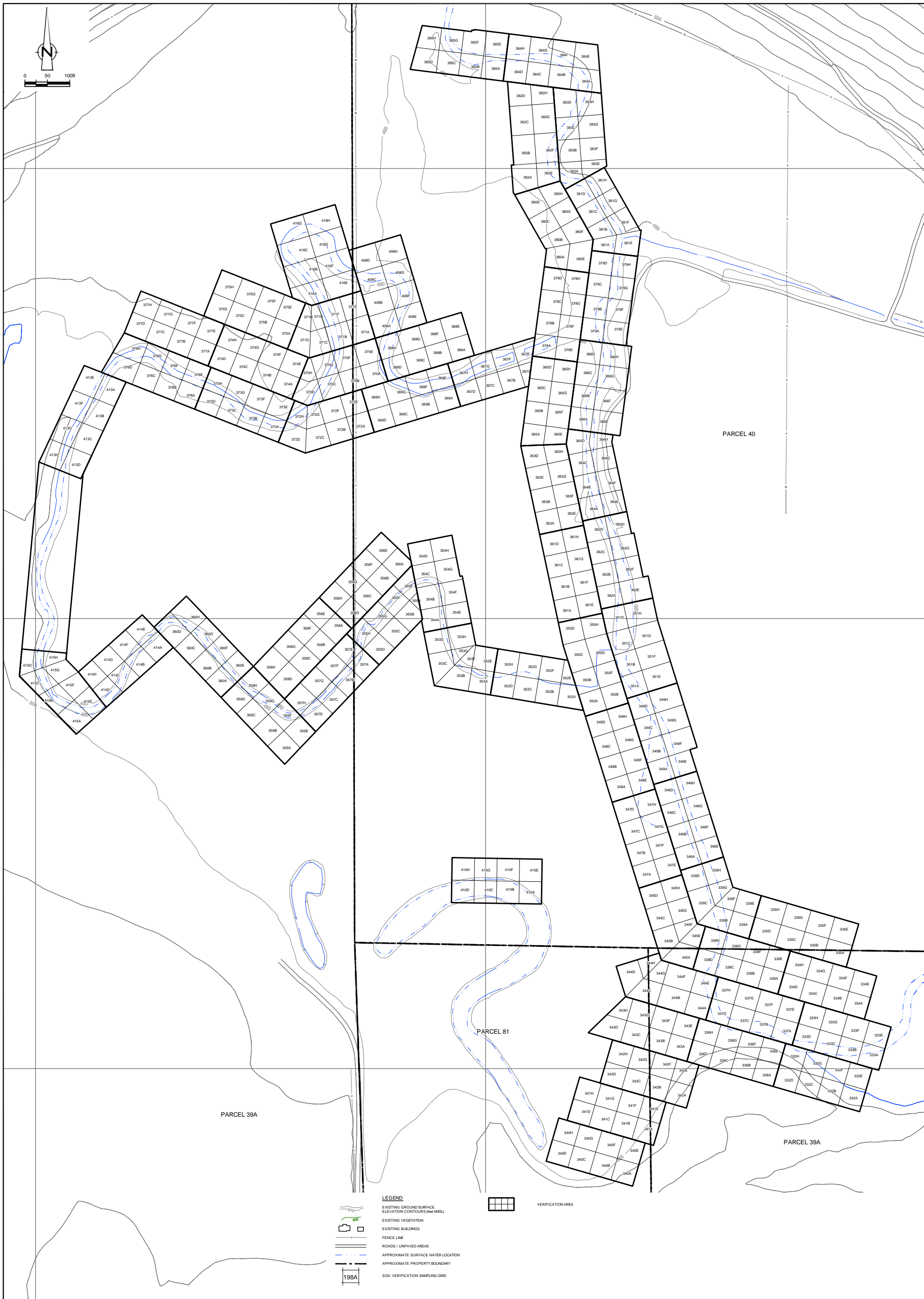
**GM POWERTAIN BEDFORD FACILITY**  
BEDFORD, INDIANA

**POST - EXCAVATION SUMMARY**

**VERIFICATION AREAS - PARCELS 38, 39 AND 40**  
GRID LOCATIONS

Source Reference:  
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001.

Project Manager: M.K.	Reviewed By: P.G.	Date: FEBRUARY 2008
Scale: AS SHOWN	Project N <sup>o</sup> : 13968-00	Report N <sup>o</sup> : 266
		Drawing N <sup>o</sup> : figure 22



NO	Revision	Date	Initial

**SCALE VERIFICATION**  
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved \_\_\_\_\_

**GM POWERTAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

**POST - EXCAVATION SUMMARY**

**VERIFICATION AREAS - PARCELS 39A, 40 AND 81**  
**GRID LOCATIONS**

**CONESTOGA-ROVERS & ASSOCIATES**

Source Reference:  
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001.

Project Manager: M.K.	Reviewed By: P.G.	Date: FEBRUARY 2008
Scale: AS SHOWN	Project N <sup>o</sup> : 13968-00	Report N <sup>o</sup> : 266 Drawing N <sup>o</sup> : figure 23

SUMMARY OF DOWNSTREAM PARCELS PCB AIR MONITORING  
 ANALYTICAL RESULTS - JANUARY 2008  
 GM POWERTRAIN BEDFORD FACILITY  
 BEDFORD, INDIANA

Unit_ID	STATION 28A PUF-15
<b>1/3/2008</b>	
Total Volume(m3)	348
Total PCB Mass(ug)	0
PCB Concentration(ug/m3)	ND(0.0014)
Percent of Allowable(%)	0
<b>1/10/2008</b>	
Total Volume(m3)	350
Total PCB Mass(ug)	0
PCB Concentration(ug/m3)	ND(0.0014)
Percent of Allowable(%)	0
<b>1/16/2008</b>	
Total Volume(m3)	344
Total PCB Mass(ug)	0
PCB Concentration(ug/m3)	ND(0.0015)
Percent of Allowable(%)	0

Notes:

\* - Results not reported due to machine malfunction

ND - Non-detect

SUMMARY OF DOWNSTREAM PARCELS TSP AIR MONITORING ANALYTICAL RESULTS - JANUARY  
 2008  
 GM POWERTRAIN BEDFORD FACILITY  
 BEDFORD, INDIANA

Unit_ID	STATION 32B TSP-17	STATION 25C REAL-TIME SATTION	STATION 28A REAL-TIME SATTION
<b>1/5/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0055	0.0045
Percent of Allowable(%)	NR	15	16
<b>1/6/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0048	0.0039
Percent of Allowable(%)	NR	13	14
<b>1/7/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0082	0.0050
Percent of Allowable(%)	NR	22	18
<b>1/8/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.006	0.0070
Percent of Allowable(%)	NR	16	25
<b>1/9/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0062
Percent of Allowable(%)	NR	NR	22
<b>1/10/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0059
Percent of Allowable(%)	NR	NR	21
<b>1/11/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0046
Percent of Allowable(%)	NR	NR	17



**SUMMARY OF DOWNSTREAM PARCELS TSP AIR MONITORING ANALYTICAL RESULTS - JANUARY  
2008  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

Unit_ID	<i>STATION 32B TSP-17</i>	<i>STATION 25C REAL-TIME SATTION</i>	<i>STATION 28A REAL-TIME SATTION</i>
<b>1/12/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0068
Percent of Allowable(%)	NR	NR	24
<b>1/13/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0048
Percent of Allowable(%)	NR	NR	17
<b>1/14/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0041
Percent of Allowable(%)	NR	NR	15
<b>1/15/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0055
Percent of Allowable(%)	NR	NR	20
<b>1/16/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0062
Percent of Allowable(%)	NR	NR	22
<b>1/17/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0050
Percent of Allowable(%)	NR	NR	18
<b>1/18/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0044
Percent of Allowable(%)	NR	NR	16

**SUMMARY OF DOWNSTREAM PARCELS TSP AIR MONITORING ANALYTICAL RESULTS - JANUARY  
2008  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

Unit_ID	STATION 32B TSP-17	STATION 25C REAL-TIME SATTION	STATION 28A REAL-TIME SATTION
<b>1/19/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0043
Percent of Allowable(%)	NR	NR	15
<b>1/20/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0072
Percent of Allowable(%)	NR	NR	26
<b>1/21/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0071
Percent of Allowable(%)	NR	NR	26
<b>1/22/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0041
Percent of Allowable(%)	NR	NR	15
<b>1/23/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0131	0.0073
Percent of Allowable(%)	NR	36	26
<b>1/24/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0077	0.0048
Percent of Allowable(%)	NR	21	17
<b>1/25/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0102	0.0076
Percent of Allowable(%)	NR	28	27

**SUMMARY OF DOWNSTREAM PARCELS TSP AIR MONITORING ANALYTICAL RESULTS - JANUARY  
2008  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

Unit_ID	STATION 32B TSP-17	STATION 25C REAL-TIME SATTION	STATION 28A REAL-TIME SATTION
<b>1/26/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0056	0.0044
Percent of Allowable(%)	NR	15	16
<b>1/27/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0091	0.0057
Percent of Allowable(%)	NR	25	21
<b>1/28/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0155	0.0051
Percent of Allowable(%)	NR	42	18
<b>1/29/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	0.0114	0.0062
Percent of Allowable(%)	NR	31	22
<b>1/30/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0060
Percent of Allowable(%)	NR	NR	22
<b>1/31/2008</b>			
Total Volume(m3)	NR		
Average Flow(m3/min)	NR		
TSP Concentration(mg/ m3)	NR	NR	0.0052
Percent of Allowable(%)	NR	NR	19

Notes:

NR - No result because machine was not setup

TABLE 2.1

**DISPOSAL SUMMARY OF PCB WASTE MATERIAL - JANUARY 2008**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

	<i>Monthly Total (tons)</i>	<i>Total to Date (tons)</i>
Soil $\geq$ 50 mg/kg (Heritage Environmental Services)	1,351	319,776
Soil <50 mg/kg (Republic-Sycamore Ridge)	134	54,835
Soil <50 mg/kg (East Plant Grading Areas)	0	946,421
Total Volume Disposed	1,485	1,310,655

**DISPOSAL SUMMARY OF  $\geq 50$  mg/kg PCB WASTE MATERIAL - JANUARY 2008**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<i>Date Shipped</i>	<i>Load No.</i>	<i>Manifest No.</i>	<i>Waste Description</i>	<i>Waste Source</i>	<i>Truck No.</i>	<i>Transporter</i>	<i>Landfill Weight (lbs)</i>	<i>Contractor</i>
1/7/2008	1748925	121093WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	43100	Entact
1/7/2008	1748926	121094WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42980	Entact
1/7/2008	1748927	121095WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41440	Entact
1/7/2008	1748928	121096WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	42080	Entact
1/7/2008	1748929	121097WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	43000	Entact
1/7/2008	1748930	121098WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41600	Entact
1/7/2008	1748931	121099WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42940	Entact
1/7/2008	1748932	121100WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42780	Entact
<b>Daily Total</b>							<b>339,920</b>	
1/9/2008	1748933	121101WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	40540	Entact
1/9/2008	1748934	121102WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42560	Entact
1/9/2008	1748935	121103WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42380	Entact
1/9/2008	1748936	121104WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42420	Entact
1/9/2008	1748937	121105WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	41900	Entact
1/9/2008	1748938	121106WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41880	Entact
1/9/2008	1748939	121107WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	43200	Entact
1/9/2008	1748940	121108WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	43200	Entact
1/9/2008	1748941	121109WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42160	Entact
<b>Daily Total</b>							<b>380,240</b>	
1/10/2008	1748942	121110WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42260	Entact
1/10/2008	1748943	121111WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42740	Entact
1/10/2008	1748944	121112WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41340	Entact
1/10/2008	1748945	121113WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42880	Entact
1/10/2008	1748946	121114WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	41360	Entact
1/10/2008	1748947	121115WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42680	Entact
1/10/2008	1748948	121116WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42720	Entact
1/10/2008	1748949	121117WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42760	Entact
1/10/2008	1748950	121118WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	42020	Entact
1/10/2008	1748951	121119WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	42040	Entact
<b>Daily Total</b>							<b>422,800</b>	
1/11/2008	1748952	1121120WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41700	Entact
1/11/2008	1748953	121121WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42700	Entact
1/11/2008	1748954	121122WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42520	Entact
1/11/2008	1748955	121123WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42340	Entact
1/11/2008	1748956	121124WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41300	Entact
<b>Daily Total</b>							<b>210,560</b>	
1/14/2008	1748957	121125WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42220	Entact
1/14/2008	1748958	121126WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41480	Entact
1/14/2008	1748959	121127WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42400	Entact
1/14/2008	1748960	121128WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42120	Entact
1/14/2008	1748961	121129WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42320	Entact
1/14/2008	1748962	121130WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41560	Entact
1/14/2008	1748963	121131WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42200	Entact
1/14/2008	1748964	121132WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42180	Entact
<b>Daily Total</b>							<b>336,480</b>	
1/15/2008	1748965	121133WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42220	Entact
1/15/2008	1748966	121134WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42000	Entact
1/15/2008	1748967	121135WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42000	Entact
1/15/2008	1748968	121136WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41560	Entact
1/15/2008	1748969	121137WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	41780	Entact
1/15/2008	1748970	121138WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42580	Entact
1/15/2008	1748971	121139WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42660	Entact
1/15/2008	1748972	121140WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42700	Entact
1/15/2008	1748973	121141WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	42020	Entact
<b>Daily Total</b>							<b>379,520</b>	

**DISPOSAL SUMMARY OF  $\geq 50$  mg/kg PCB WASTE MATERIAL - JANUARY 2008**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<i>Date Shipped</i>	<i>Load No.</i>	<i>Manifest No.</i>	<i>Waste Description</i>	<i>Waste Source</i>	<i>Truck No.</i>	<i>Transporter</i>	<i>Landfill Weight (lbs)</i>	<i>Contractor</i>
1/16/2008	1748974	121142WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41460	Entact
1/16/2008	1748975	121143WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42,360	Entact
1/16/2008	1748976	121144WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42180	Entact
1/16/2008	1748977	121145WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42220	Entact
1/16/2008	1748978	121146WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	41240	Entact
1/16/2008	1748979	121147WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41980	Entact
1/16/2008	1748980	121148WAS	Soil > 50 ppm	Parcel 39	<b>1037-3</b>	U.S. Bulk Transport Inc.	42240	Entact
1/16/2008	1748981	121149WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42720	Entact
1/16/2008	1748982	121150WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42880	Entact
1/16/2008	1748983	121151WAS	Soil > 50 ppm	Parcel 39	<b>334</b>	U.S. Bulk Transport Inc.	42020	Entact
<b>Daily Total</b>							<b>421300</b>	
1/17/2008	1748984	121152WAS	Soil > 50 ppm	Parcel 39	<b>67</b>	U.S. Bulk Transport Inc.	41540	Entact
<b>Daily Total</b>							<b>41540</b>	
1/18/2008	1748985	121153WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42440	Entact
1/18/2008	1748986	121154WAS	Soil > 50 ppm	Parcel 39	<b>1037-1</b>	U.S. Bulk Transport Inc.	42420	Entact
1/18/2008	1748987	121155WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42360	Entact
1/18/2008	1748988	121156WAS	Soil > 50 ppm	Parcel 39	<b>1037-4</b>	U.S. Bulk Transport Inc.	42960	Entact
<b>Daily Total</b>							<b>170180</b>	

TABLE 2.1B

DISPOSAL SUMMARY OF < 50 mg/kg PCB STUMP WASTE MATERIAL - JANUARY 2008  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA

<i>Date Shipped</i>	<i>Load No.</i>	<i>Manifest No.</i>	<i>Waste Description</i>	<i>Waste Source</i>	<i>Truck No.</i>	<i>Transporter</i>	<i>Landfill Weight (lbs)</i>	<i>Contractor</i>
1/21/2008	22507	22507	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	19260	Entact
1/21/2008	22508	22508	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	17740	Entact
<b>Daily Total</b>							37,000	
1/22/2008	22509	22509	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	21420	Entact
1/22/2008	22510	22510	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	24020	Entact
1/22/2008	22511	22511	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	15700	Entact
1/22/2008	22512	22512	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	23140	Entact
<b>Daily Total</b>							84,280	
1/23/2008	22513	22513	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	15940	Entact
1/23/2008	22514	22514	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	23600	Entact
1/23/2008	22515	22515	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	14700	Entact
1/23/2008	22516	22516	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	17140	Entact
<b>Daily Total</b>							71,380	
1/24/2008	22517	22517	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	15240	Entact
1/24/2008	22518	22518	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	18420	Entact
1/24/2008	22519	22519	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-4	U.S. Bulk Transport Inc.	21220	Entact
1/24/2008	22520	22520	Stumps < 50 ppm	Parcel 36/40B Stumps	1024-2	U.S. Bulk Transport Inc.	19520	Entact
<b>Daily Total</b>							74,400	

TABLE 3.1

ENTACT TREATMENT SYSTEM SAMPLING RESULTS - JANUARY 2008  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA

<i>Sample Date</i>	<i>Analysis</i>	<i>Influent</i>	<i>Between Carbons 1 &amp; 2</i>	<i>After Carbon 2</i>	<i>Between Carbons 3 &amp; 4</i>	<i>After Carbon 4</i>	<i>Effluent (after bag filters)</i>	<i>After sand set #1</i>	<i>After sand set #2</i>	<i>After sand set #3</i>
1/7/2008	PCB (ug/L)	0.084J	ND (0.073)	ND (0.073)	ND (0.073)	ND (0.073)	ND (0.073)	0.12J	0.14J	0.12J
	Turbidity (NTU)	9.87	0.89	0.01 / 0.01	0.07	0.00	0.26	2.75	2.65	2.90
1/14/2008	PCB (ug/L)	ND (0.073) / ND (0.073)	ND (0.073)	--	ND (0.073)	--	ND (0.073)	--	--	--
	Turbidity (NTU)	8.77 / 8.77	3.74	--	0.01	--	0.52	--	--	--

## Notes:

J - Estimated result. Results is less than the reporting limit.

ND - Non detect



TABLE 3.2

**SES TREATMENT SYSTEM SAMPLING RESULTS - JANUARY 2008**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<i>Sample Date</i>	<i>Analysis</i>	<i>Influent</i>	<i>After Sand Filter 1</i>	<i>After Sand Filter 2</i>	<i>Between Carbons 1 &amp; 3</i>	<i>Between Carbons 2 &amp; 4</i>	<i>After Carbons</i>	<i>Effluent (after bag filters)</i>
1/3/2008	PCB (ug/L)	1.00	1.10	0.86	ND (0.073)	ND (0.073)	ND (0.073)	ND (0.073)
	Turbidity (NTU)	3.47	2.76	3.63	2.51	1.87	0.65 / 0.98	1.86
1/7/2008	PCB (ug/L)	0.71	--	--	ND (0.073)	ND (0.073)	--	ND (0.073)
	Turbidity (NTU)	12.60	--	--	2.91	1.80	--	0.92
1/14/2008	PCB (ug/L)	0.97	--	--	ND (0.073)	ND (0.073)	--	ND (0.073)
	Turbidity (NTU)	8.77	--	--	2.27	0.06	--	0.00
1/22/2008	PCB (ug/L)	0.89 / 1.0	--	--	ND (0.073)	ND (0.073)	--	ND (0.073)
	Turbidity (NTU)	9.60 / 9.71	--	--	2.78	4.18	--	3.63
1/28/2008	PCB (ug/L)	0.82	--	--	ND (0.073)	ND (0.073)	--	ND (0.073)
	Turbidity (NTU)	5.24	--	--	0.00	0.00	--	0.00

*Notes:*

J - Estimated result. Results is less than the reporting limit.

ND - Non detect

APPENDIX A

DELIVERABLES SUMMARY

**APPENDIX A**  
**DELIVERABLES SUMMARY**

<i>Deliverable</i>	<i>Reference</i>	<i>Deadline</i>	<i>Deliverable Due Date</i>	<i>Status</i>
Final Parcel 22 Workplan	AOC IV.23; VIII.34.a	Approved July 23, 2003	July 23, 2003	complete
Final Upstream Workplan	AOC IV.25; VIII.34.b	Approved July 23, 2003	July 23, 2003	complete
Designation of Contractors and Project Coordinator	AOC VII.30; VII.31	CRA & McGuigan – Effective Date of Order Other contractors – 5 business days prior to commencement of work	July 31, 2003	complete
Contractor HASP	'U.S. EPA Approval Letter, July 23, 2003'	before work is to begins		complete
QAPP	AOC VIII.34.c; VIII.37.a	QAPP – 10 business days AED *	August 14, 2003	complete
OMMP	AOC VIII.38	OMMP – 30 business days after completion of each portion of Work in Paragraph 34. Final OMMP due with Final Report		
Downstream Workplan	AOC VIII.34.d; VIII.35.a	90 days AED	October 29, 2003	complete
Site Source Control Workplan	AOC VIII.34.e; VIII.35.a	Approved November 11, 2003	August 21, 2003	complete
Monthly Progress Reports	AOC VIII.39.a	1 <sup>st</sup> 30 days AED 15 <sup>th</sup> of each month thereafter	August 30, 2003 February 15, 2008	complete submitted February 14, 2008
Final Report	AOC VIII.40	Within 90 days after required info is received and work completed		

Note:

AED = After Effective Date of Administrative Order on Consent