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 – FEBRUARY 2008

March 14, 2008

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1.0 INTRODUCTION

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 March 2008, will be submitted on or before April 15, 2008.

2.0 SIGNIFICANT DEVELOPMENTS IN THIS MONTH

- Air monitoring has continued. Final validated results of the creek Removal Action (RA) air-monitoring program for February 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 9 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 February 2008 along the stream channel of Parcels 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 39 on February 18, and 21, 2008, as presented on Figures 2, 3, 4, and 5.
    - Parcel 40 on February 15, 20, 21, and 29, 2008, as presented on Figures 6, 7, 8, and 9.
    - Figures 10 and 11 depict key-maps of verification area grids for the parcels sampled during this reporting period.
- Excavation of <50 mg/kg PCB material continued during February 2008. Excavated material was placed into stockpiles at Staging Area G. Transportation of stockpile materials to the East Plant Area for use as part of the Cover System grading layer did not occur in February 2008 but will resume in March 2008.

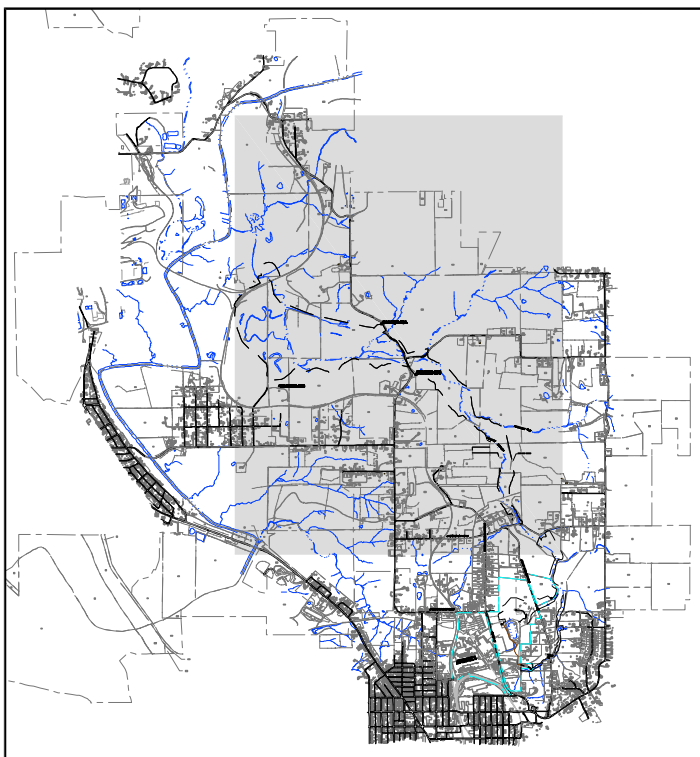
- No ≥50 mg/kg PCB material was excavated in February 2008 from the creek RA and no ≥50 mg/kg PCB material was disposed of at the Heritage Landfill in Roachdale, Indiana.
- No <50 mg/kg PCB tree stump and associated soil material was disposed of at the Sycamore Ridge Landfill in Terra Haute, Indiana.
- The summary of PCB soil disposal for February 2008 is presented in Table 2.1.
- Water within the remediation areas was collected and treated by ENTACT Environmental Services' (ENTACT's) and/or Sevenson 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 SES's treatment systems for February 2008 are provided in Table 3.1. The ENTACT treatment system was not run during the month of February.
- Operation of Borrow Area 39-1 continued.
- Tree consolidation, chipping, and mulching continued.
- A conference call was held on February 5, and 19, 2008, with 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.
- 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 February 6, 13, 20, and 28, 2008. Meetings with ENTACT are held generally on Thursdays. The ENTACT meeting was held on February 21, 2008.

3.0 SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

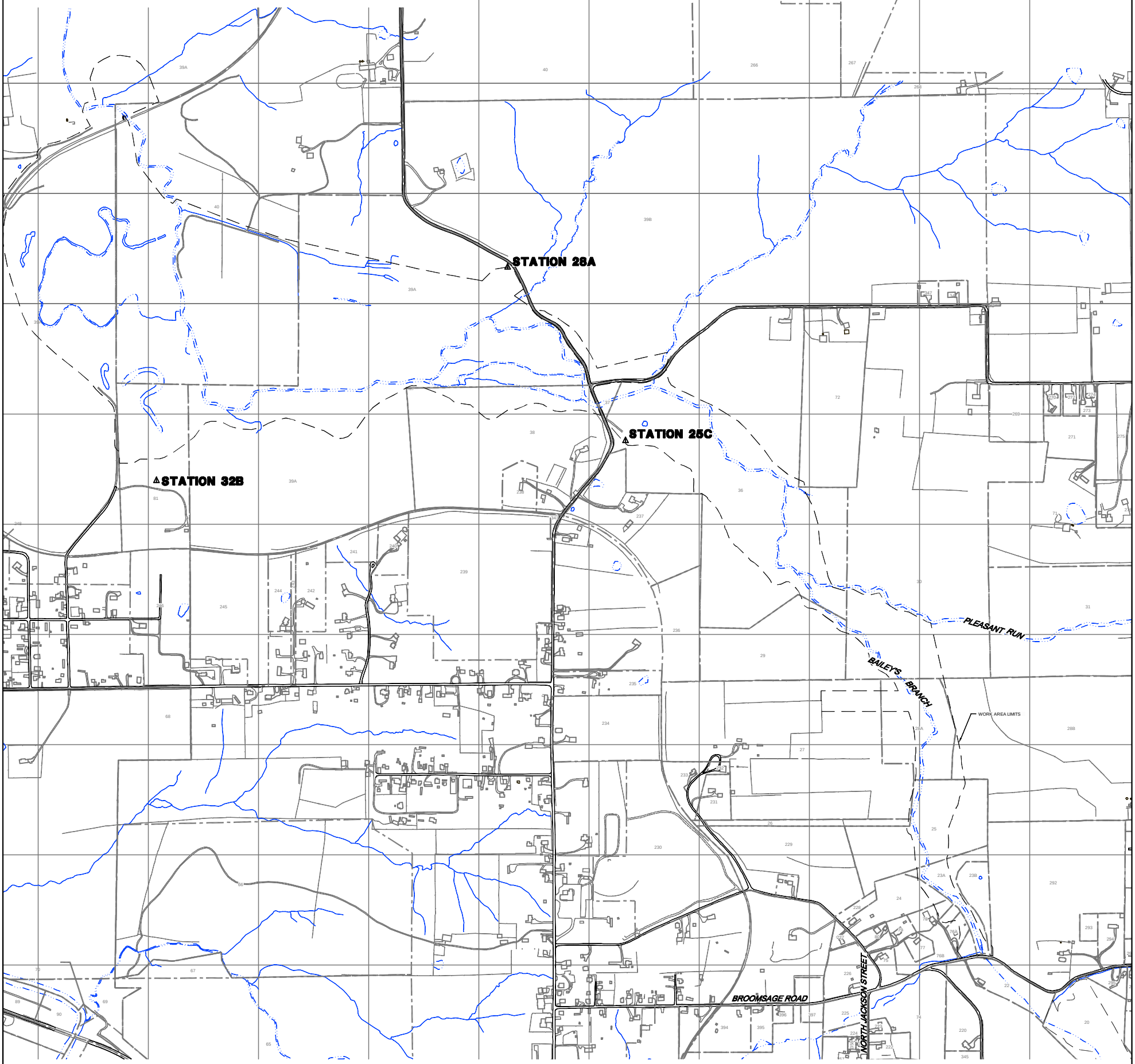
- GM continues to evaluate the Spring 018 Area. This spring water is currently captured and treated before entering the creek. A report summarizing Site Source Control (SSC) Work Plan: Addendum No. 5, investigation/evaluation of the Spring 018 area will be prepared.
- Transport of <50 ppm soil from Staging Area G to the East Plant Area was halted during this time while additional areas in the East Plant Area where subgrade fill can be placed are discussed with U.S. EPA. Transportation will resume in March 2008.

4.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- 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;
  - Submit SSC Addendum No. 5 Technical Memorandum summarizing studies completed in the Spring 018 Area;
  - Remove additional trees in work areas on Borrow Area 39-7;
  - Resume transportation of the <50 ppm soil 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.



KEY PLAN



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- STATION 28A — 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

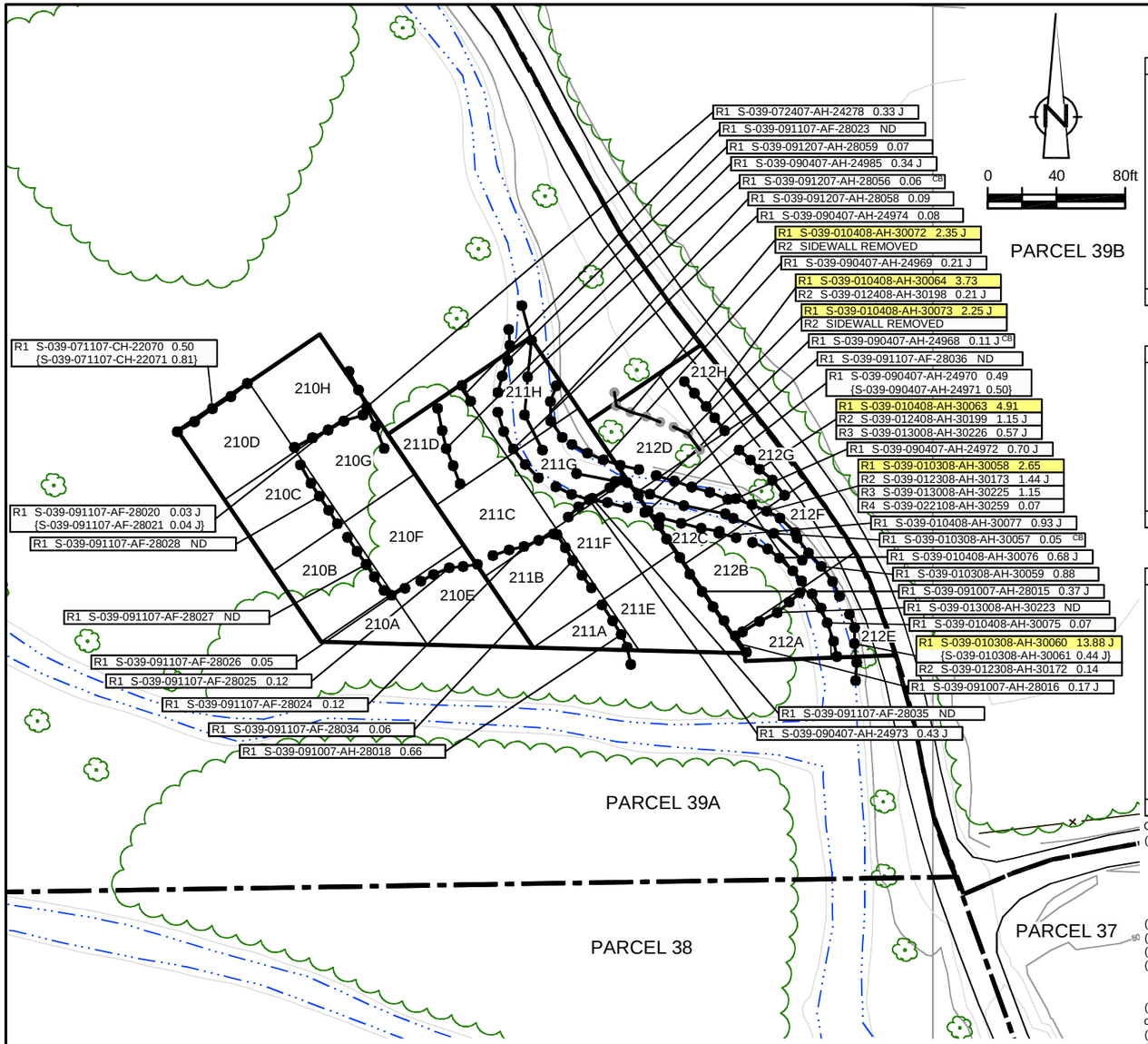
AIR SAMPLING LOCATIONS
FEBRUARY 2008

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
M.K.	P.G.	FEBRUARY 2008	
Scale: AS SHOWN	Project Nº: 13968-00	Report Nº: 269	Drawing Nº: figure 1

13968-00(269)GN-WA001 MAR 13/2008



EXCAVATION FLOOR SAMPLE RESULTS

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)
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}	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 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL 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 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	R3 Sample ID	R3 Result (mg/kg)	FINAL Sample ID	FINAL 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-039-022108-AH-30258	0.18	S-039-022108-AH-30258	0.18
	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:

(1). Cleanup Criteria
- a.) Soils to ≤ 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 ≤ 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 ≤ 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

- 610 — EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- 210A — SOIL VERIFICATION SAMPLING GRID

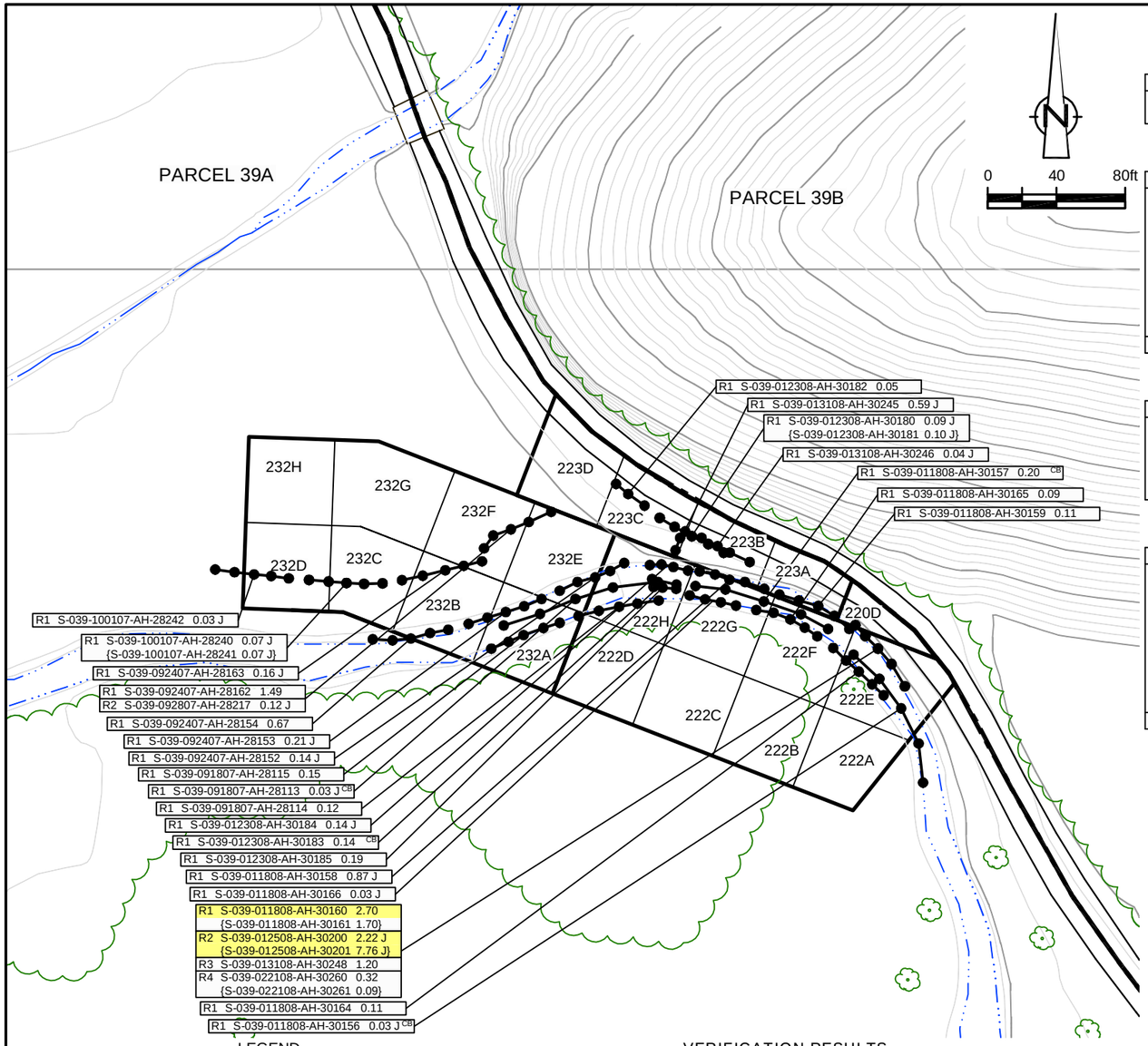
VERIFICATION RESULTS

- R1 S-039-071107-CH-22070 0.50 / {S-039-071107-CH-22071 0.81} — 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
- R1 S-039-010308-AH-30058 2.65 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 2

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 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL 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 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL 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
	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)
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	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL 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	S-039-022108-AH-30264	6.56	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	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
	H			-	-	-	-
UCL Calculations							

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 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 ≤ 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 ≤ 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

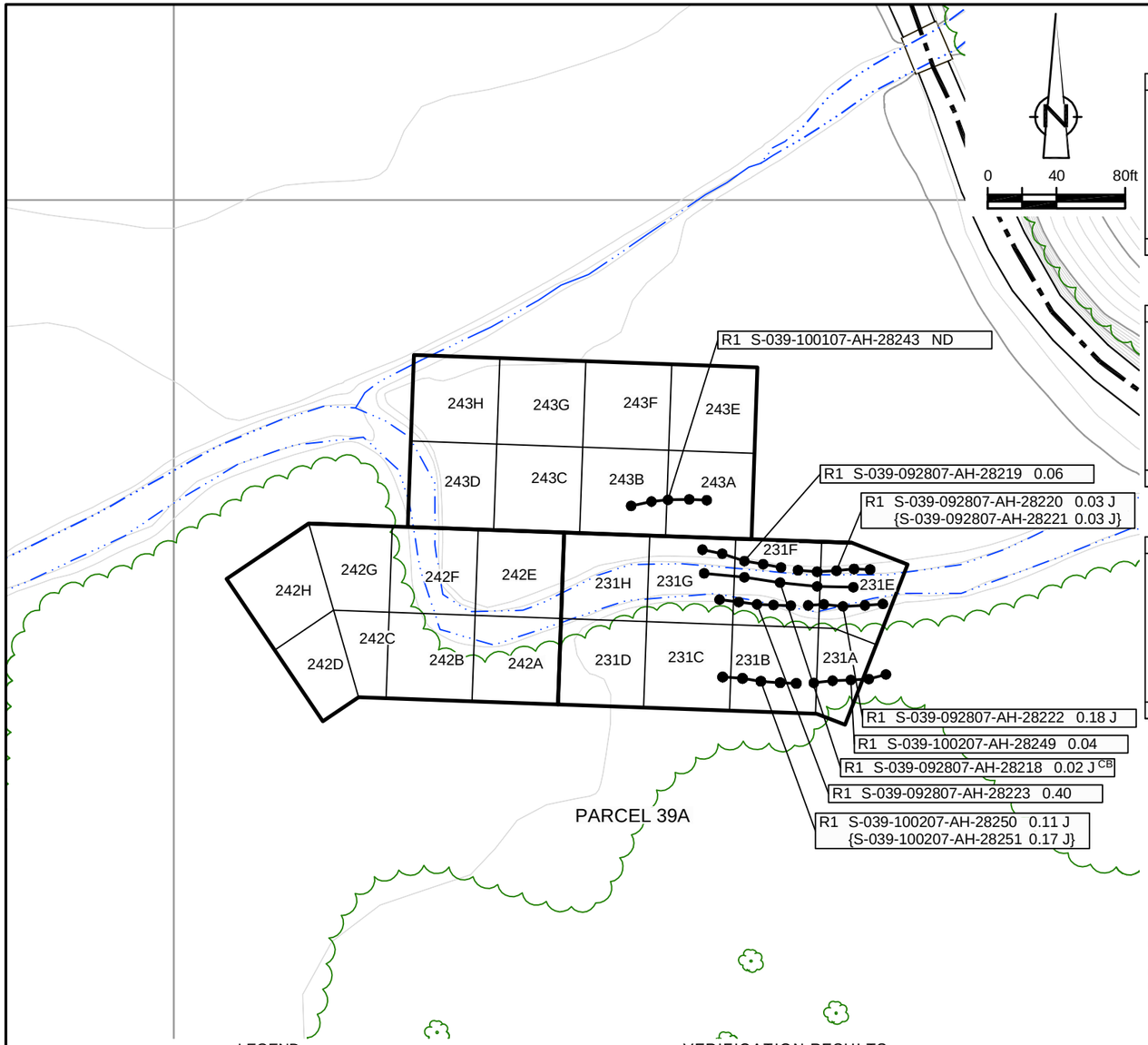
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (222A)

VERIFICATION RESULTS

- R1 S-039-100107-AH-28240 0.07 J / {S-039-100107-AH-28241 0.07 J}: 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
- R1 S-039-012308-AH-30178 3.68 J: SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 3

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 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
231	A	S-039-100207-AH-28255	0.07	S-039-100207-AH-28255	0.07
	B	-	-	-	-
	C	-	-	-	-
	D	-	-	-	-
	E	S-039-100207-AH-28257	0.14 J	S-039-100207-AH-28257	0.14 J
	F	S-039-100207-AH-28258	0.03 J	S-039-100207-AH-28258	0.03 J
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
242	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)
243	A	S-039-022108-AH-30262	0.43 J	-	-	S-039-022108-AH-30262	0.43 J
	B	S-039-022108-AH-30263	1.57	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	C	-	-			-	-
	D	-	-			-	-
	E	S-039-022108-AH-30265	1.24	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	F	S-039-022108-AH-30266	1.60 J	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	G	-	-			-	-
	H	-	-			-	-
UCL Calculations							

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 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 ≤ 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.

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (231A)

VERIFICATION RESULTS

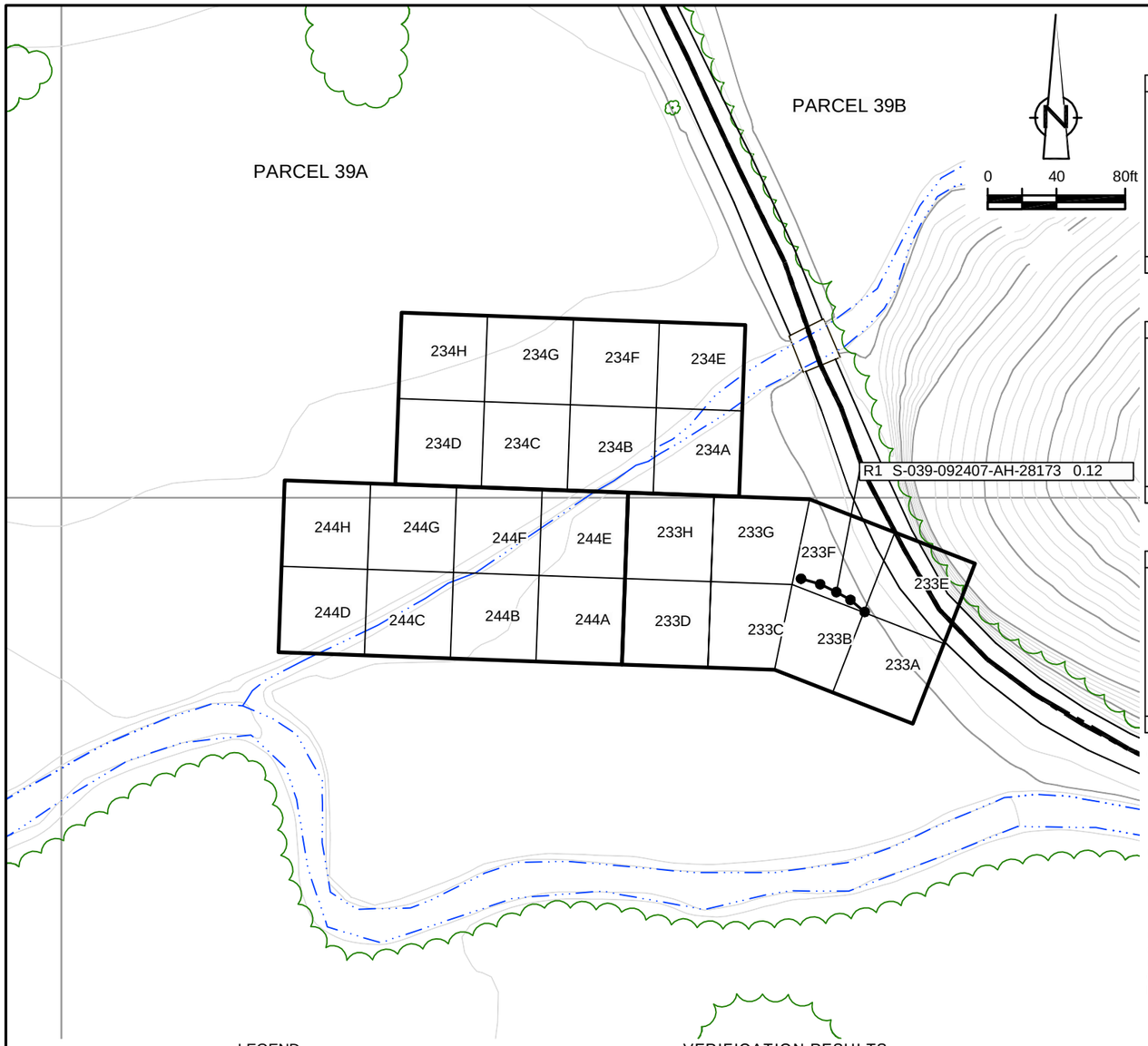
R1 S-039-092807-AH-28220 0.03 J
{S-039-092807-AH-28221 0.03 J}

- 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

R1 S-039-041807-BN-16603 2.68 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 4

PARCEL 39A (VERIFICATION AREAS 231, 242, AND 243)
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)	Sampling Round FINAL Sample ID	FINAL Result (mg/kg)
233	A	S-039-092407-AH-28170 {S-039-092407-AH-28171	0.69 0.51}	S-039-092407-AH-28170 {S-039-092407-AH-28171	0.69 0.51}
	B	S-039-092407-AH-28169	0.09 J	S-039-092407-AH-28169	0.09 J
	C	-	-	-	-
	D	-	-	-	-
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

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

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	Sampling Round FINAL Sample ID	FINAL Result (mg/kg)
244	A	-	-	-	-
	B	S-039-022108-AH-30267	0.80	S-039-022108-AH-30267	0.80
	C	-	-	-	-
	D	-	-	-	-
	E	-	-	-	-
	F	-	-	-	-
	G	-	-	-	-
	H	-	-	-	-
UCL Calculations					

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Are (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 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 ≤ 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.

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (233A)

VERIFICATION RESULTS

R1 S-039-092407-AH-28170 0.69
{S-039-092407-AH-28171 0.51}

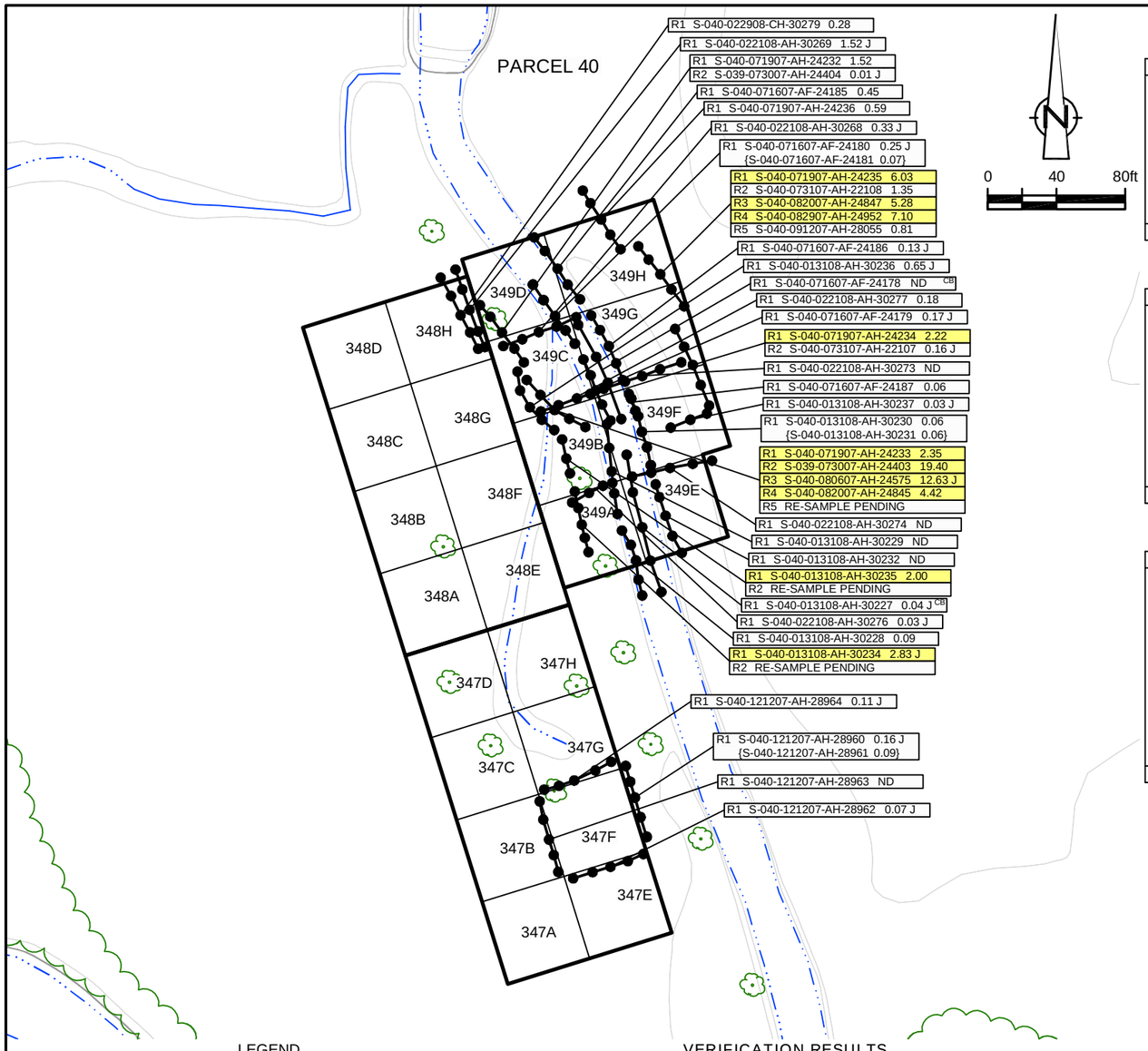
- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER

- VERIFICATION AREA
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE
- ND — NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

R1 S-037-052907-BN-16894 2.16 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 5

PARCELS 39A AND 39B (VERIFICATION AREAS 233, 234, AND 244)
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)	Sampling Round R2 Sample ID	R2 Result (mg/kg)	Sampling Round FINAL Sample ID	FINAL 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 Sample ID	R1 Result (mg/kg)	Sampling Round FINAL Sample ID	FINAL 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 {S-040-112707-AH-28831	0.60 0.76}	S-040-112707-AH-28830 {S-040-112707-AH-28831	0.60 0.76}
	F	S-040-022908-CH-30293	0.77	S-040-022908-CH-30293	0.77
	G	S-040-022908-CH-30292	0.73	S-040-022908-CH-30292	0.73
	H	S-040-022908-CH-30290 {S-040-022908-CH-30291	0.43 0.67}	S-040-022908-CH-30290 {S-040-022908-CH-30291	0.43 0.67}
UCL Calculations					

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	Sampling Round R2 Sample ID	R2 Result (mg/kg)	Sampling Round FINAL Sample ID	FINAL Result (mg/kg)
349	A	S-040-013108-AH-30240 {S-040-013108-AH-30241	0.19 J 0.23 J}	- -	- -	S-040-013108-AH-30240 {S-040-013108-AH-30241	0.19 J 0.23 J}
		S-040-022908-CH-30294	0.88			S-040-022908-CH-30294	0.88
	B	S-040-013108-AH-30242	5.85 J	S-040-022108-AH-30278	1.42	S-040-022108-AH-30278	1.42
	C	S-040-013108-AH-30243	1.85	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	D	S-040-013108-AH-30244	4.00	S-040-022108-AH-30272	0.28	S-040-022108-AH-30272	0.28
	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	S-040-022108-AH-30275	0.08	S-040-022108-AH-30275	0.08
	G	S-040-071907-AH-24240 {S-040-071907-AH-24241	ND ND}	- -	- -	S-040-071907-AH-24240 {S-040-071907-AH-24241	ND ND}
	H	S-040-071907-AH-24239	0.07 J	-	-	S-040-071907-AH-24239	0.07 J
UCL Calculations							

GENERAL NOTES:

(1). Cleanup Criteria
- a.) Soils to ≤ 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 ≤ 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 ≤ 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) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (347A)

VERIFICATION RESULTS

R1 S-040-071607-AF-24180 0.25 J
{S-040-071607-AF-24181 0.07}

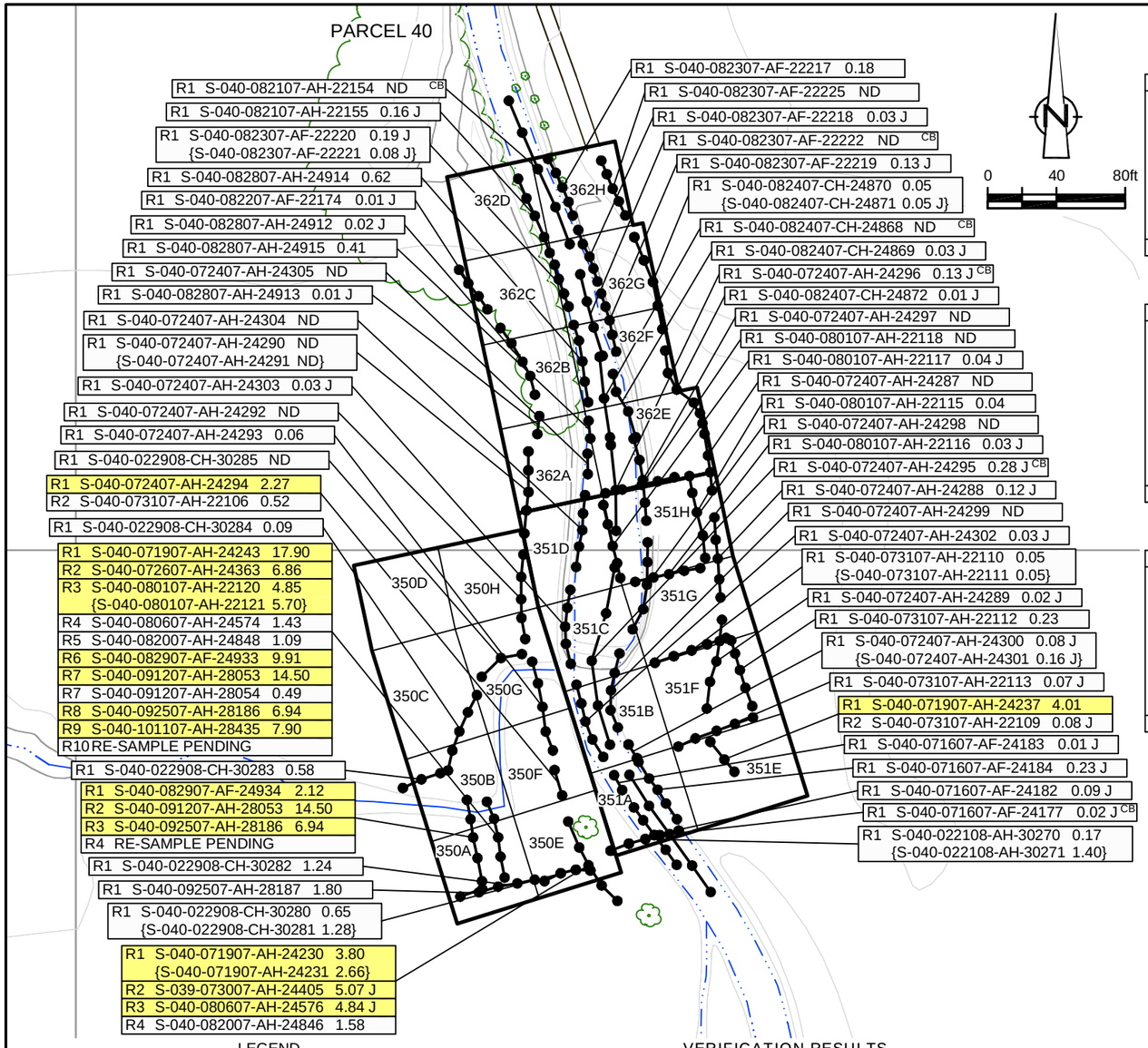
- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER

- VERIFICATION AREA
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE
- ND — NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

R1 S-040-071907-AH-24233 2.35 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 6

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 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
350	A	S-040-022908-CH-30288	9.10	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	B	S-040-022908-CH-30287	0.94	-	-	S-040-022908-CH-30287	0.94
	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	S-040-022908-CH-30289	10.45	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	F	S-040-022908-CH-30286	ND	-	-	S-040-022908-CH-30286	ND
	G	-	-	-	-	-	-
	H	S-040-011108-AH-30132	0.52	-	-	S-040-011108-AH-30132	0.52
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)
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 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 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL 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:
(1). Cleanup Criteria
a.) Soils to ≤ 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 ≤ 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 ≤ 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) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (350A)

VERIFICATION RESULTS

R1 S-040-072407-AH-24300 0.08 J
{S-040-072407-AH-24301 0.16 J}
- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER

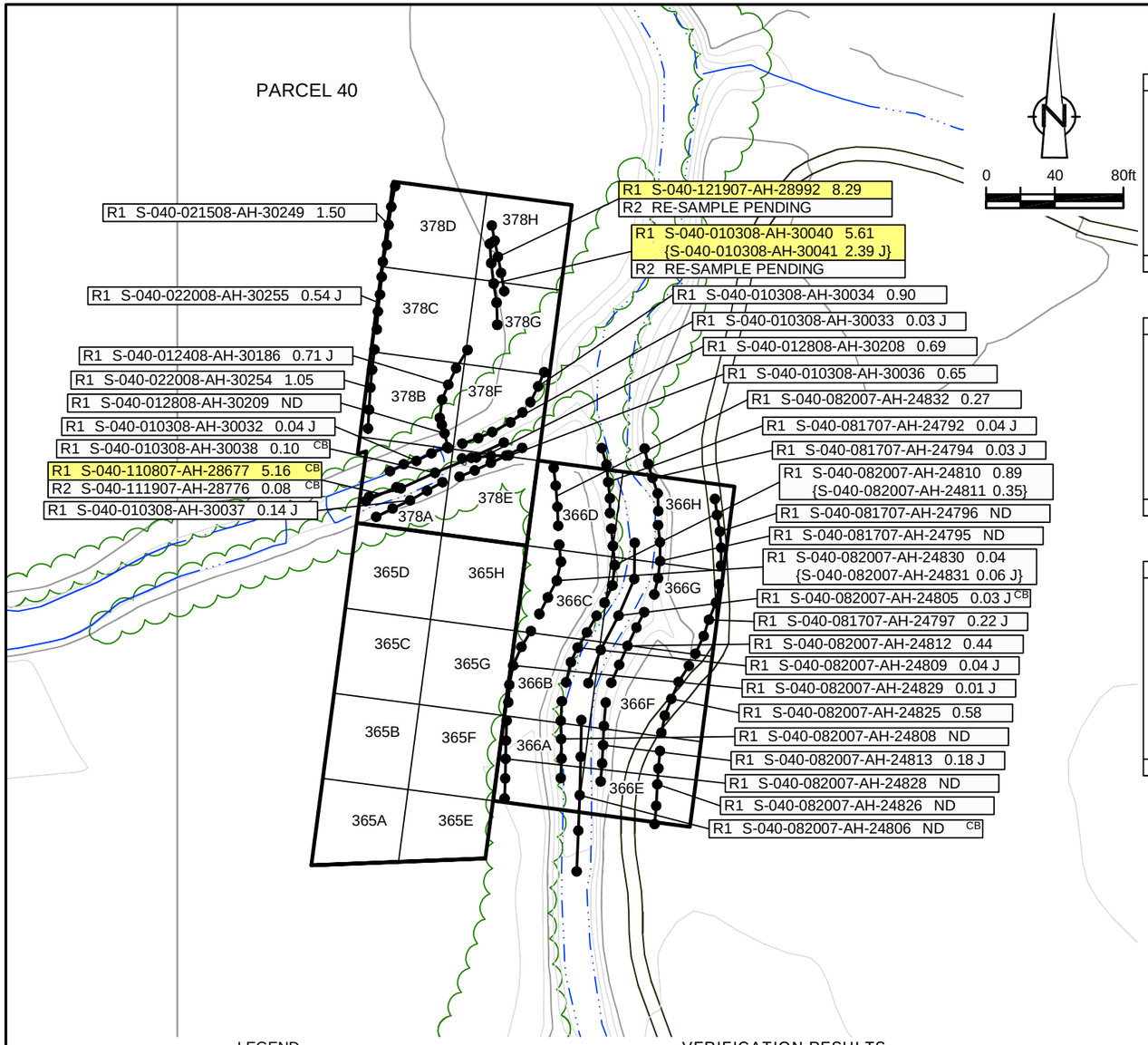
- VERIFICATION AREA
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE
- ND — NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE

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

figure 7

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

13968-00(269)GN-WA007 MAR 13/2008



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL 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 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL 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 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	R3 Sample ID	R3 Result (mg/kg)	FINAL Sample ID	FINAL 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	S-040-022008-AH-30257	0.11	-	-	S-040-022008-AH-30257	0.11
	C	S-040-012408-AH-30188	4.40	S-040-022008-AH-30256	2.08 J	RE-SAMPLE PENDING		RE-SAMPLE PENDING	
	D	S-040-012408-AH-30189	3.58	S-040-021508-AH-30252	0.80	-	-	S-040-021508-AH-30252	0.80
	E	S-040-010308-AH-30047	0.29 J	-	-	-	-	S-040-010308-AH-30047	0.29 J
	F	S-040-010308-AH-30049	3.42 J	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:

(1). Cleanup Criteria
- a.) Soils to ≤ 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 ≤ 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 ≤ 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-040-110807-AH-28677 5.16 SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (365A)

VERIFICATION RESULTS

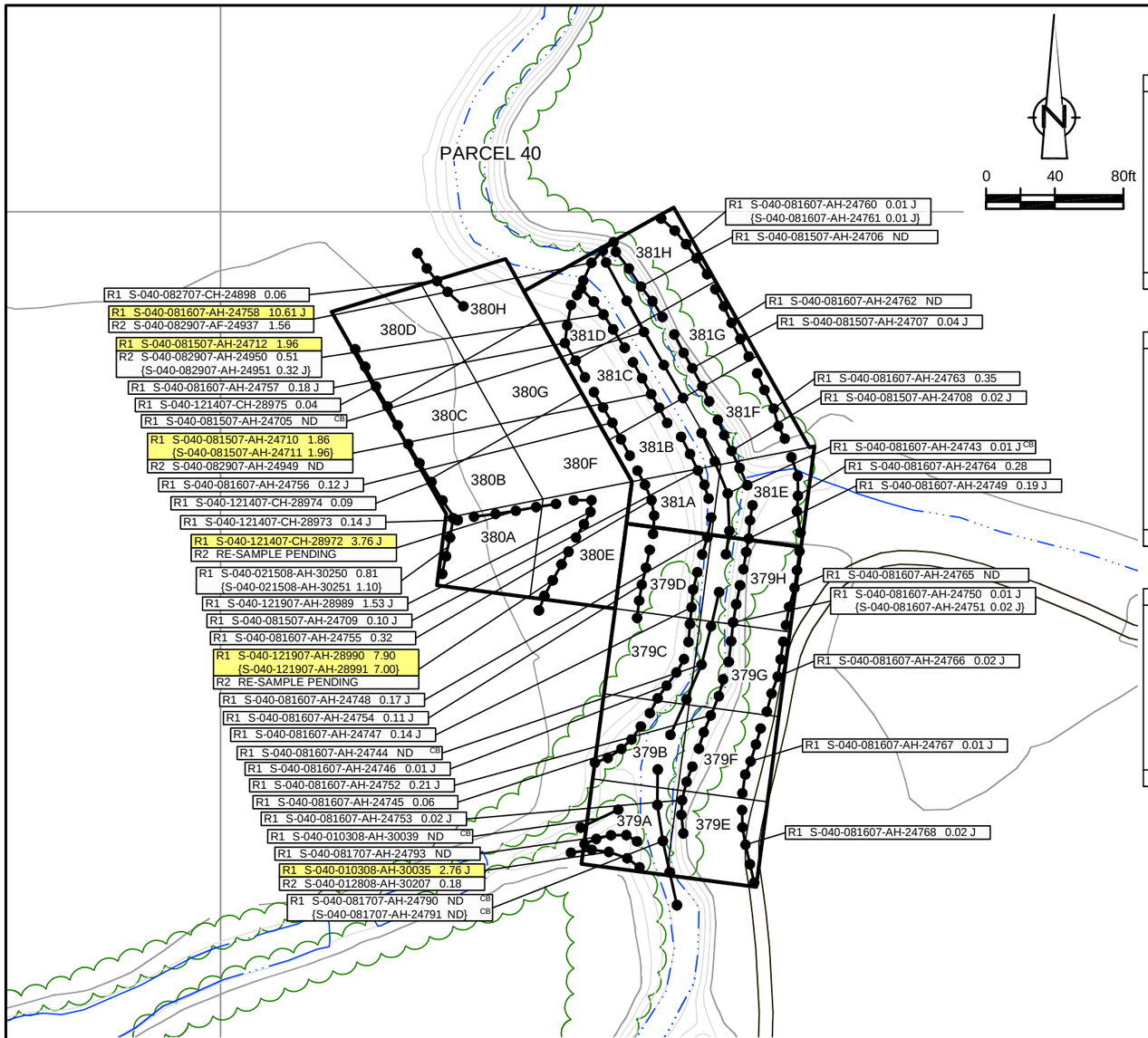
R1 S-040-082007-AH-24810 0.89
{S-040-082007-AH-24811 0.35}

- 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

figure 8

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 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL 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
		S-040-121907-AH-28996	0.06	S-040-121907-AH-28996	0.06
	E	S-040-081707-AH-24784	0.02 J	S-040-081707-AH-24784	0.02 J
	F	S-040-081707-AH-24783	0.26 J	S-040-081707-AH-24783	0.26 J
	G	S-040-081707-AH-24782	0.03 J	S-040-081707-AH-24782	0.03 J
	H	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}
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)
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
				{S-040-121407-CH-28981	0.03 J}	{S-040-121407-CH-28981	0.03 J}
	D	S-040-112007-AH-28799	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
		{S-040-112007-AH-28801	1.15}	-	-	{S-040-112007-AH-28801	1.15}
UCL Calculations							

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
381	A	S-040-081707-AH-24779	0.21 J	S-040-081707-AH-24779	0.21 J
		S-040-021508-AH-30253	ND	S-040-021508-AH-30253	ND
	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:

(1). Cleanup Criteria
- a.) Soils to ≤ 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 ≤ 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 ≤ 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-040-010308-AH-30035 2.76 J SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- SOIL VERIFICATION SAMPLING GRID (379A)

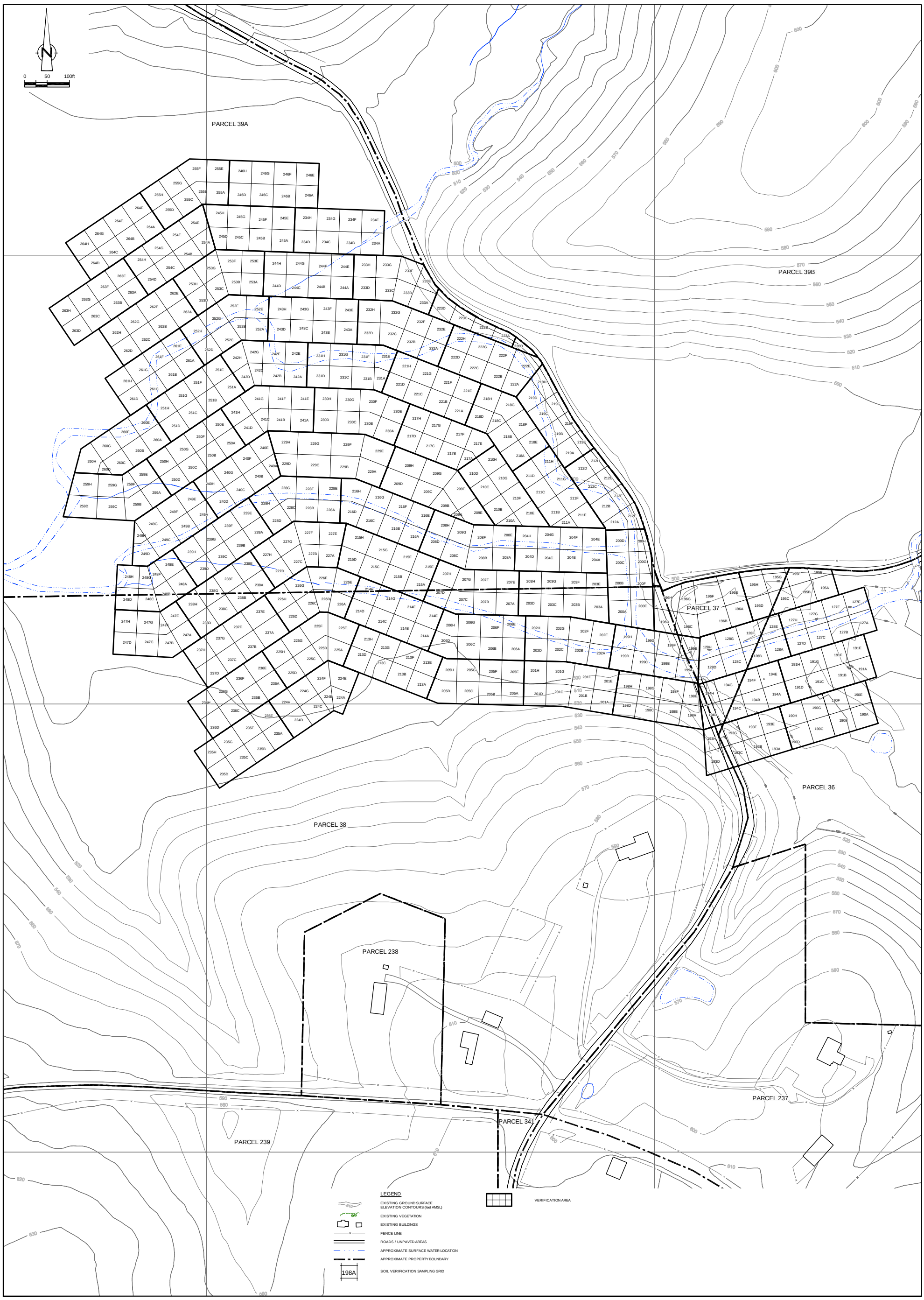
VERIFICATION RESULTS

R1 S-040-081707-AH-24790 ND
{S-040-081707-AH-24791 ND}

- 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

figure 9

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

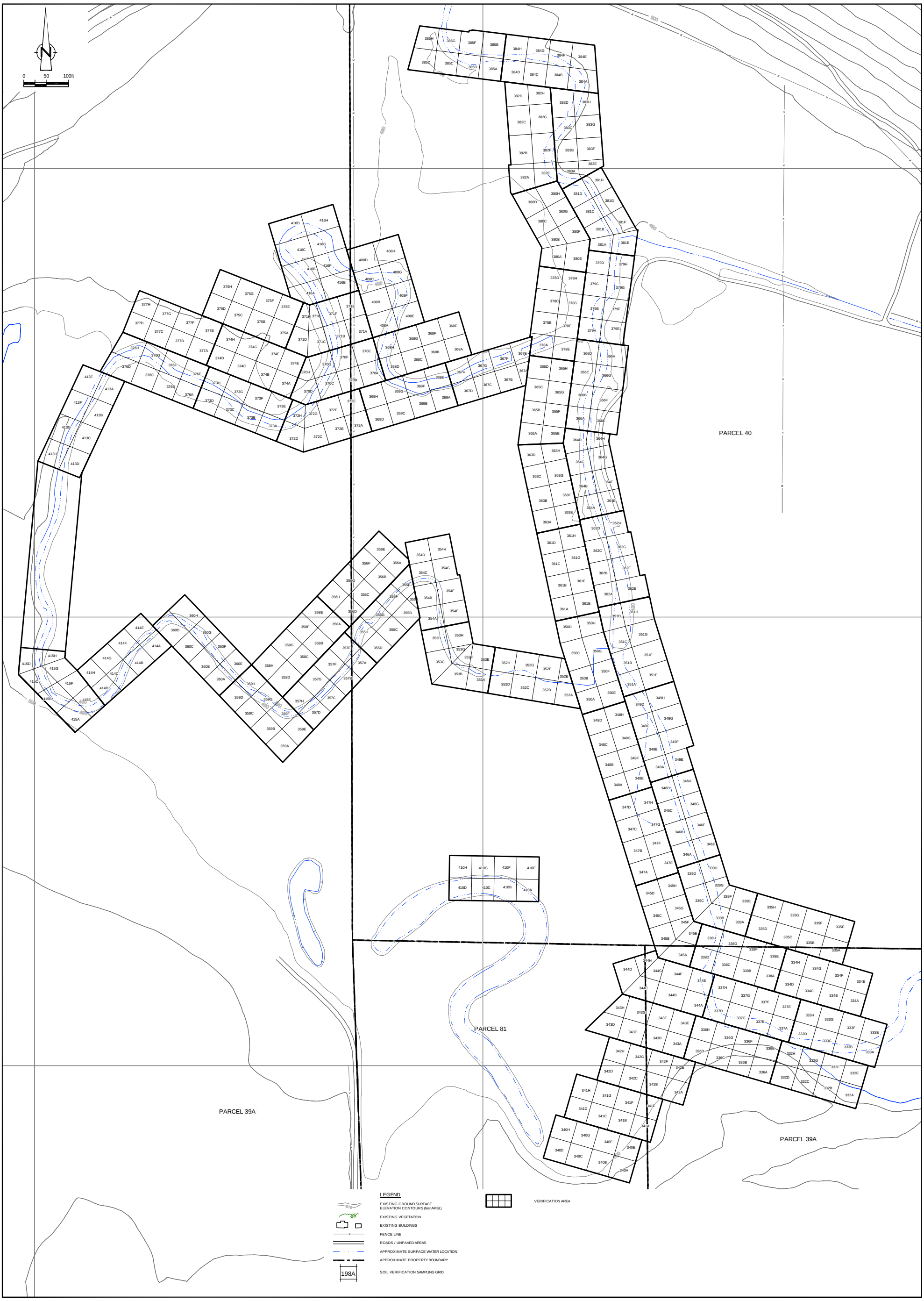
VERIFICATION AREAS - PARCELS 36 TO 39
GRID LOCATIONS

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
M.K.	P.G.	MARCH 2008	
Scale: AS SHOWN	Project Nº: 13968-00	Report Nº: 269	Drawing Nº: figure 10

13968-00(269)GN-WA010 MAR 13/2008



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:	Reviewed By:	Date:	
M.K.	P.G.	MARCH 2008	
Scale: AS SHOWN	Project Nº: 13968-00	Report Nº: 269	Drawing Nº: figure 11

13968-00(269)GN-WA011 MAR 13/2008

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

	STATION 28A
Unit_ID	***PUF-15***
2/7/2008	
Total Volume(m3)	499
Total PCB Mass(ug)	1.4
PCB Concentration(ug/m3)	0.0028
Percent of Allowable(%)	0
2/14/2008	
Total Volume(m3)	500
Total PCB Mass(ug)	1.1
PCB Concentration(ug/m3)	0.0022
Percent of Allowable(%)	0
2/21/2008	
Total Volume(m3)	508
Total PCB Mass(ug)	0
PCB Concentration(ug/m3)	ND(0.001)
Percent of Allowable(%)	--
2/26/2008	
Total Volume(m3)	478
Total PCB Mass(ug)	0
PCB Concentration(ug/m3)	ND(0.001)
Percent of Allowable(%)	--

Notes:
NR - No result because machine was not setup

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

Unit_ID	*STATION 25C REAL-TIME SATTION*	*STATION 28A REAL-TIME SATTION*	*STATION 32B TSP-17*
2/6/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0084	NR
Percent of Allowable(%)	NR	30	NR
2/7/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	0.0052	0.0072	NR
Percent of Allowable(%)	14	26	NR
2/8/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	0.0056	0.0066	NR
Percent of Allowable(%)	15	24	NR
2/9/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	0.0051	0.0073	NR
Percent of Allowable(%)	14	26	NR
2/10/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	0.031	0.0052	NR
Percent of Allowable(%)	84	19	NR
2/11/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0055	NR
Percent of Allowable(%)	NR	20	NR
2/12/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0047	NR
Percent of Allowable(%)	NR	17	NR

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

Unit_ID	*STATION 25C REAL-TIME SATTION*	*STATION 28A REAL-TIME SATTION*	*STATION 32B TSP-17*
2/13/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0051	NR
Percent of Allowable(%)	NR	18	NR
2/14/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0056	NR
Percent of Allowable(%)	NR	20	NR
2/15/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0069	NR
Percent of Allowable(%)	NR	25	NR
2/16/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0048	NR
Percent of Allowable(%)	NR	17	NR
2/17/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0088	NR
Percent of Allowable(%)	NR	32	NR
2/18/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0054	NR
Percent of Allowable(%)	NR	19	NR
2/19/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0044	NR
Percent of Allowable(%)	NR	16	NR

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

Unit_ID	*STATION 25C REAL-TIME SATTION*	*STATION 28A REAL-TIME SATTION*	*STATION 32B TSP-17*
2/20/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0047	NR
Percent of Allowable(%)	NR	17	NR
2/21/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0045	NR
Percent of Allowable(%)	NR	16	NR
2/22/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0045	NR
Percent of Allowable(%)	NR	16	NR
2/23/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0049	NR
Percent of Allowable(%)	NR	18	NR
2/24/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0044	NR
Percent of Allowable(%)	NR	16	NR
2/25/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0046	NR
Percent of Allowable(%)	NR	17	NR
2/26/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0055	NR
Percent of Allowable(%)	NR	20	NR

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

Unit_ID	*STATION 25C REAL-TIME SATTION*	*STATION 28A REAL-TIME SATTION*	*STATION 32B TSP-17*
2/27/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0051	NR
Percent of Allowable(%)	NR	18	NR
2/28/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0050	NR
Percent of Allowable(%)	NR	18	NR
2/29/2008			
Total Volume(m3)	--	--	NR
Average Flow(m3/min)	--	--	NR
TSP Concentration(mg/m3)	NR	0.0051	NR
Percent of Allowable(%)	NR	18	NR

Notes:
NR - No result because machine was not setup

TABLE 2.1

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

	Monthly Total (tons)	*Total to Date (tons)*
Soil ≥50 mg/kg (Heritage Environmental Services)	0	318,425
Soil <50 mg/kg (Republic-Sycamore Ridge)	0	54,701
Soil <50 mg/kg (East Plant Grading Areas)	0	946,421
Total Volume Disposed	0	1,309,170

TABLE 3.1

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

Sample Date	*Analysis*	*Influent*	*After Sand Filter 1*	*After Sand Filter 2*	*Between Carbons 1 & 3*	*Between Carbons 2 & 4*	*After Carbons*	*Effluent (after bag filters)*
2/4/2008	PCB (ug/L)	0.79	0.79	0.83	ND (0.073)	ND (0.073) / ND (0.073)	ND (0.073)	ND (0.073)
	Turbidity (NTU)	17.50	4.07	6.01	0.30	1.40 / 1.22	0.00	0.00
2/13/2008	PCB (ug/L)	1.00	- -	- -	ND (0.073)	ND (0.073)	- -	ND (0.073)
	Turbidity (NTU)	7.25	- -	- -	1.27	0.81	- -	0.51
2/20/2008	PCB (ug/L)	1.00	- -	- -	ND (0.073)	ND (0.073) / ND (0.073)	- -	ND (0.073)
	Turbidity (NTU)	5.95	- -	- -	0.39	0.47 / 0.31	- -	0.30
2/28/2008	PCB (ug/L)	1.02J	- -	- -	0.213J	ND (0.073)	- -	ND (0.073)
	Turbidity (NTU)	13.0	- -	- -	0.26	0.07	- -	0.10

Notes:
J - Estimated result. Results is less than the reporting limit.
ND - Non detect

APPENDIX A

DELIVERABLES SUMMARY

APPENDIX A

DELIVERABLES SUMMARY

Deliverable	*Reference*	*Deadline*	*Deliverable Due Date*	*Status*
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	1st 30 days AED 15th of each month thereafter	August 30, 2003 March 15, 2008	complete submitted March 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