REVISION 1

CONSTRUCTION CERTIFICATION REPORT

WESTERN TRIBUTARY INTERIM MEASURE

GENERAL MOTORS POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

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NOVEMBER 2008
REF. NO. 013968 (223)

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LIST OF TERMS AND ACRONYMS

AAQMP	Ambient Air Quality Monitoring Plan
AOC	Administrative Order on Consent
BOL	Bill of Lading
CA	Corrective Action
CCR	Current Conditions Report
City	City of Bedford
CRA	Conestoga-Rovers & Associates Inc.
50-ft by 50-ft	50 foot by 50 foot
EPA	Environmental Protection Agency
Facility	GM Powertrain Bedford Facility
GM	General Motors Corporation
≥50 mg/kg PCBs	greater than or equal to 50 mg/kg PCBs
HASP	Health and Safety Plan
Heritage	Heritage Environmental Services LLC Facility
IDEM	Indiana Department of Environmental Management
IM	Interim Measure
<50 mg/kg PCBs	less than 50 mg/kg PCBs
mg/kg	Milligram per kilogram
PCBs	polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
RA	Removal Action
RCRA	Resource Conservation and Recovery Act
Report	Construction Certification Report
SES	Sevenson Environmental Services, Inc.
Site	Parcels 2, 53, 57, 58, 60, and 61
SOW	Scope of Work
SRLF	Sycamore Ridge Landfill
TSCA	Toxic Substances Control Act
U.S. Bulk	U. S. Bulk Transport, Inc.
TSPs	total suspended particulates
U.S. EPA	United States Environmental Protection Agency
U.S. DOT	United States Department of Transportation
$\mu g/m^3$	Microgram per meter cubed
Verification area	50-ft by 50-ft surveyed area/grid
Work Plan	Western Tributary Parcels 2, 53, 57, 58, 60, and 61 - Interim Measure Work Plan

1.0 INTRODUCTION

1.1 GENERAL

This document presents the Construction Certification Report (Report) for Parcels 2, 53, 57, 58, 60, and 61 (Site), which are located on the unnamed Western Tributary adjacent to the General Motors Corporation (GM) Powertrain Bedford Facility (Facility) in Bedford, Indiana. The work associated with the remediation of the Western Tributary was outlined in the United States Environmental Protection Agency (U.S. EPA) approved Western Tributary Interim Measure (IM) Work Plan (Work Plan) dated January 13, 2006. Parcel 53 was not part of the originally approved Work Plan but was included after additional investigative samples collected on the Parcel delineated an area above the residential cleanup objective which needed to be excavated. Parcel 58 was not part of the originally approved Work Plan, but was subsequently included as dictated by the excavation and verification sampling results on Parcel 60, and is contiguous to and east of Parcel 60.

Conestoga-Rovers & Associates Inc. (CRA) has prepared this Report on behalf of GM in accordance with the Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) activities being conducted under the Performance Based Agreement (effective March 20, 2001, as amended October 1, 2002 and February 28, 2007) between U.S. EPA and GM for the Facility. This Report documents the completion of the IM activities, in accordance with the Work Plan. The IM was implemented starting in February 2006 and completed in June 2007**.** The Work Plan implementation involved the sampling and analysis of soil; identification and characterization of material containing polychlorinated biphenyls (PCBs); excavation of impacted soil and bedrock; verification and waste characterization sampling and analysis; transportation and placement of the excavated material at appropriate U.S. EPA approved disposal facilities; backfilling of the excavations; and restoration of the Site. A photographic log of pre- and post-excavation Site conditions is presented in Appendix A.

The Site location is presented on Figure 1.1. A Site Plan for Parcels 2, 53, 57, 58, 60, and 61 is presented on Figure 1.2.

1.2 PROJECT BACKGROUND

Activities in the Site IM included:

- excavating and removing soil containing PCBs exceeding the cleanup criteria, identified in the initial CA investigation;
- verifying through sampling that the cleanup criteria were met;
- disposing of the excavated material at appropriate U.S. EPA approved facilities; and
- restoring the remediated areas of the Western Tributary Parcels.

1.3 PRE-INTERIM MEASURE SITE DESCRIPTION

The Site is located at the upper end of an unnamed tributary to Salt Creek, referred to here as the Western Tributary. The Western Tributary flows to the northwest from property located immediately west of the Facility (headwaters beginning on Parcel 2) and ultimately discharges to Salt Creek approximately 8,900 feet from the headwaters (Figure 1.2 presents the locations of the Parcels and the Western Tributary).

Parcel 2 is located along the western boundary of the Facility; bordered by a residential area to the west and south, bordered by the Facility to the east, and bordered by a trucking company (Parcel 1) to the north. Parcel 2 is owned by GM. The property includes a church and a residence, which are currently in use.

Parcel 53 is located approximately 480 feet west of the western boundary of the Facility, and bordered by M Street to the east, 1st Street to the south, and residential properties to the west and north. The property is owned by the City of Bedford (City) and houses a water treatment facility that is no longer in use. Remediation of Parcel 53 was not originally part of the Western Tributary IM. Additional investigative samples collected in February and March of 2007 indicated an area in excess of the residential cleanup criteria requiring excavation. Although the property is not currently utilized for residential purposes, GM applied the residential cleanup standard to this Parcel. Access to the property for sampling and remediation was coordinated with the City to facilitate the cleanup.

Parcel 57 is located approximately 800 feet west of the western boundary of the Facility. Parcel 57 is a residential property and is bordered by residential properties to the north and south. Parcel 57 is bordered to the east by 'N' Street, and to the west by Parcel 58.

Parcel 58 is located approximately 1,200 feet west of the western boundary of the Facility. Parcel 58 is a residential property bordered to the west by Parcel 60, to the east by Parcel 57 and residential properties, and to the north and south by residential properties. Parcel 59 is located within the Parcel 58 boundary and houses a municipal sanitary sewer lift station. Remediation of Parcel 58 was not originally part of the Western Tributary IM. However, verification sampling during the excavation of Parcel 60 identified the need to progress the excavation onto Parcel 58 in order to remove impacted soils and sediment above the cleanup objectives.

Parcels 60 and 61 are located approximately 2,000 feet west of the western boundary of the Facility. Parcels 60 and 61 are residential properties and are bordered by Parcel 58 to the east, by Parcel 62 and a residential area to the north, by residential area to the west, and by an open field to the south.

The Western Tributary begins at Parcel 2 as a shallow ditch/swale and develops into a more defined ravine as it progresses through adjacent properties to the northwest, including Parcels 53, 57, 58, 60, and 61. Flow in the Western Tributary is heavily influenced from surface water during storm events. The flow is therefore highly variable and intermittent in nature, particularly at the upper end of the tributary.

1.4 CLEANUP OBJECTIVES

The cleanup criteria selected for the Western Tributary Parcels were 1.8 milligrams per kilogram (mg/kg) for stream bank material and 1.0 mg/kg for creek sediments. These criteria were selected based on the U.S. EPA-approved Administrative Order on Consent (AOC) for the Bailey's Branch and Pleasant Run Creek Removal Action (RA) and developed for unrestricted use on residential properties. Both criteria are considered conservative in their application in this IM based upon the actual conditions of the Site. Based on discussions with U.S. EPA, stream bank material has been defined as the material located horizontally to a distance 2 feet from the edge of the stream channel, and vertically down to the top elevation of the streambed following sediment removal.

1.5 PROPERTY ACCESS

Prior to implementing the IM for the Western Tributary Parcels, access was obtained from the owners of Parcels 57, 60, and 61 for the IM implementation. Parcel 2 was owned by GM prior to the initiation of IM activities. Access was obtained from the owners of Parcels 53 and 58 when it was determined that access to the parcels would be necessary to complete excavations.

Communication with the Parcel owners prior to implementation of the IM on their property included:

- review of work activities to be completed, including identification of anticipated work areas;
- review of trees/significant vegetation which required clearing to complete the IM. Those trees required to be cleared were marked in the field and reviewed with the owner prior to clearing, however, some additional vegetation was cleared as the actual cleanup progressed;
- review of restoration activities;
- follow-up visits during re-establishment of vegetation, to address outstanding issues and make repairs, as necessary; and
- following completion of the IM, miscellaneous additional activities, including periodic monitoring of re-established vegetation and stream stabilization progress.

1.6 REPORT ORGANIZATION

This Report is organized in the following sections:

i) Section 1.0 presents the Site location and background, pre-Interim Measure Site description, cleanup objectives, property access, and organization of the Report;

ii) Section 2.0 presents a summary of the Scope of Work (SOW) for the IM implementation;

iii) Section 3.0 presents a summary of investigative/delineation sampling and Site characterization activities;

iv) Section 4.0 presents the IM activities implemented during the work including Site preparation; environmental controls including fugitive dust, erosion, and stormwater; soil excavation, verification sampling, backfilling, and final grading;

stockpile sampling and waste characterization; transportation and disposal of waste; and ambient air quality information and data;

v) Section 5.0 provides details of the restoration activities conducted;

vi) Section 6.0 provides a summary of IM activities for each of the Western Tributary Parcels;

vii) Section 7.0 presents references cited in this Report; and

viii) Section 8.0 provides certification of the Work Plan completion.

2.0 SCOPE OF WORK

This section provides a summary of the IM activities that were conducted at the Site. CRA provided construction oversight on behalf of GM during the implementation of the IM, including collection and management of related data, and development and preparation of this Report. CRA provided overall project management and coordination between GM, the selected environmental contractor (Sevenson Environmental Services, Inc., (SES)), the Facility, property owners, U.S. EPA, and the Indiana Department of Environmental Management (IDEM).

The IM field activities were initiated following review and approval of the Work Plan by U.S. EPA, and in coordination with IDEM, following the procurement of any necessary permits, access agreements, and contractors. These activities included:

- utility locates;
- mobilization of construction and waste disposal facilities, material, equipment, and personnel necessary to perform the work;
- provision and maintenance of construction facilities and temporary controls;
- Site preparation including:
  - emergency first aid facility,
  - fire suppression equipment,
  - construction of decontamination facilities,
  - break facilities,
  - the provision of temporary utilities,
  - construction of access roads,
  - temporary staging areas for removed material,
  - clearing and grubbing of existing vegetation (as required),
  - work zone identification (construction and silt fences), and
  - construction of temporary staging facilities at the Facility;
- implementation of environmental controls;
- implementation of a Site-specific Health and Safety Plan (HASP);
- diversion of creek (sequential in work zones);
- implementation of stormwater controls (berms);

- soil excavation, handling, and backfilling including:
  - layout of initial excavation limits of areas of PCB concentrations greater than 1.8 mg/kg,
  - excavation of soil to achieve 1.8 mg/kg PCBs,
  - layout of verification sampling grids,
  - collection of soil characterization and verification samples for PCBs,
  - additional excavation and sampling, as necessary, to meet the cleanup goals, and
  - backfilling/grading, and restoration of excavated and disturbed areas, as required, with appropriate material;
- removal and handling of sediment deposits in creek bed and stream bank material, to bedrock or 1 mg/kg PCBs, while creek is diverted;
- removal and handling of bedrock where sediment-filled fractures exceed the sediment criteria of 1 mg/kg PCBs;
- transportation of waste materials less than 50 (<50) mg/kg PCBs to the East Plant Area for use as fill material as part of the East Plant Area IM;
- transportation and disposal of waste materials greater than or equal to 50 (≥50) mg/kg PCBs to an approved disposal facility (Heritage Environmental Services LLC Facility located in Roachdale, Indiana (Heritage));
- removal of miscellaneous debris (e.g., tree stumps, vegetation), and staging and disposal at an approved off-Site facility (Sycamore Ridge Landfill in Terra Haute, Indiana (SRLF));
- fugitive air emissions monitoring;
- ambient air quality monitoring;
- water management;
- stream monitoring;
- IM closeout activities including:
  - cleanup/restoration of support areas,
  - restoration of excavation areas,
  - final decontamination of construction equipment and temporary facilities, and
  - management of waste waters; and
- demobilization of temporary facilities and equipment from the Site.

Sampling and analytical procedures utilized during implementation of this IM were consistent with the existing Quality Assurance Project Plan (QAPP) (CRA November 5, 2001, with modifications December 12, 2004, and July 25, 2006) for the Facility as approved by U.S. EPA.

Wherever possible, resources already in place for the East Plant Area IM or the Creek RA (e.g., trailers, support zones, etc.) were used in conjunction with the Western Tributary IM.

3.0 RFI INVESTIGATIVE/DELINEATION SAMPLING/ SITE CHARACTERIZATION ACTIVITIES

Prior to the initiation of excavation activities investigative/delineation surficial soil and sediment sampling was completed within the floodplain and creek areas of the Western Tributary Parcels under the CA. Figures 3.1.1, 3.1.2, 3.1.3, 3.1.4, and 3.1.5 identify the location of investigative samples collected for each of the Parcels. PCBs were identified at varying concentrations at select locations within the creek and floodplain area of the Parcels. The results of this initial delineation sampling were compared to the cleanup objectives and utilized to develop the proposed initial excavation limits included in the Western Tributary IM Work Plan.

Generally, PCB concentrations were present in locations near the creek and concentrations generally decreased as the distance from the Plant and creek increased. As well, PCB concentrations generally decreased as elevation above the creek increased. A summary of investigative sample results for each of the Western Tributary Parcels is presented in Tables 3.1.1, 3.1.2, 3.1.3, 3.1.4, and 3.1.5. No results greater than or equal to 50 mg/kg PCBs (≥50 mg/kg PCBs) were detected during the initial investigative/delineation sampling.

All delineation sampling, sample analysis, and data validation were completed in accordance with the U.S. EPA approved Work Plans and QAPP.

4.0 INTERIM MEASURE ACTIVITIES

This section presents activities implemented as part of the Western Tributary IM.

4.1 SITE PREPARATION

Site preparation activities were completed for each work area following the receipt of all necessary property access agreements and prior to initiating intrusive work activities. These activities are discussed in detail in Section 4.0 of the U.S. EPA approved Work Plan. Wherever possible, resources in place for the East Plant Area IM and Creek RA were used in conjunction with the Western Tributary IM.

4.2 ENVIRONMENTAL CONTROLS

Prior to the initiation of intrusive activities, environmental controls were put in place to control the migration of potentially impacted dust, sediments, or surface water from leaving the work areas. These controls are described in the following subsections.

4.2.1 FUGITIVE DUST CONTROL

For the duration of the IM, the contractor was responsible for the control of fugitive particulates generated by excavation, transportation, and backfilling of soil. These control measures included the following:

- maintaining fugitive air emissions control measures to prevent the generation of fugitive air emissions;
- covering work areas with interim plastic sheeting at the end of each work day until sample results met cleanup criteria;
- covering excavation areas with plastic sheeting until restoration activities began;
- maintaining covers over material stockpiles and temporary storage containers (roll-off boxes);
- inspecting vehicles leaving work areas, and decontaminating as necessary;
- sweeping and wetting of paved portions of the transportation routes;
- using appropriate covers on trucks hauling and importing material;
- seeding and erosion control (straw) placement in restored areas; and

- monitoring air at the work perimeter for total suspended particulates (TSPs) and PCBs, and making adjustments to the work practices described above, as required. A summary of the air monitoring results is presented in Section 4.6 of this Report.

4.2.2 EROSION CONTROL

Due to the size of the work area at Parcels 2 (approximately 0.11 acres), 53 (approximately 0.003 acres), 57 (approximately 0.01 acres), and 58/60 (approximately 0.02 acres), the work under this IM was exempt from Rule 5 of the erosion protection permit requirements (minimum 1 acre disturbed area). However, the contractor utilized construction methods that minimized the amount of exposed soil within the excavation area, to the extent practical. In areas where slopes exceeded a 5-percent grade, the contractor employed siltation fences, straw bales, or clay dams, to prevent erosion and migration of silt, mud, sediment, and other debris from the work areas.

Silt fences, clay dams and/or straw bales were placed in ditches and along perimeter areas (including those adjacent to the unnamed Western Tributary) to prevent sediments from migrating off of the Site.

4.2.3 SURFACE WATER/STORMWATER CONTROL

Surface water and stormwater controls, including clay dams and bypass pumps and piping to control run-on from upland areas and upstream portions of the creek were constructed prior to initiating excavation, and modified or relocated, as appropriate, during the work to redirect stormwater and creek water. Implementation of surface water and stormwater controls prior to and during excavation activities controlled the potential for off-Site releases and minimized the amount of stormwater contacting potentially contaminated material. Stormwater that contacted an open excavation area or excavated material was considered impacted water, and as such was collected for treatment. The water was contained, collected into frac tanks, and transported to SES's water treatment facility on Parcel 216 for treatment and eventual discharge.

4.3 SOIL EXCAVATION, VERIFICATION SAMPLING, AND BACKFILLING/FINAL GRADING

4.3.1 PROPOSED EXCAVATION LIMITS

The layout of the initial excavation limits were established prior to initiation of removal activities, based on CA investigative samples. The preliminary limits were surveyed on the Western Tributary Parcels using markers (e.g., stakes, survey paint, and survey flags) prior to excavation activities.

Figures 3.1.1, 3.1.2, 3.1.3, 3.1.4, and 3.1.5 present the proposed limits of excavation that were based on the initial delineation sample results.

4.3.2 DISCRETE CHARACTERIZATION SAMPLING DURING EXCAVATION

In addition to the initial delineation sampling, during the soil excavation phase grab characterization sampling was conducted at discreet locations to characterize the existing levels of PCBs to guide the excavation activities. Samples collected for characterization purposes were analyzed for PCBs and compared against the applicable cleanup criterion.

The procedure for characterization sampling involved the following steps:

i) Inspections were conducted of soils present near the extent of the excavated area. These soils may have included creek bank soils, residual soils remaining along areas of exposed bedrock, or soils within bedrock fractures not specifically sampled as part of the grid system employed by the verification sampling program. Where appropriate, additional characterization samples were collected in areas where the potential for additional PCB impact was suggested by visual evidence, or by a review of existing characterization data and Site conditions. Characterization samples collected were discrete grab samples.

ii) Areas excavated to bedrock were cleaned with a power-washer to remove residual soil or sediments from the rock surfaces. The water was contained, collected into frac tanks, and transported to SES's water treatment facility on Parcel 216. The surface was then inspected for cracks containing oily sediments or residue. Where necessary, additional characterization samples of material in

identified fractures were collected to determine if removal of bedrock, to eliminate the fracture and the impacted material, was necessary.

All characterization sample analysis and data validation were completed in accordance with the U.S. EPA approved QAPP.

4.3.3 SOIL EXCAVATION

The scheduling of excavation activities was coordinated so that activities were completed promptly following Site preparation and implementation of stormwater controls.

The contractor performed excavation activities in accordance with the following:

i) Excavation work was conducted along creek segments approximately 100 feet (or less as dictated by the Work Plan) in length.

ii) Excavations were performed after surface water had been diverted around work areas.

iii) Tasks were conducted in an orderly and safe manner such that the movement and double handling of materials was minimized.

iv) In areas previously delineated as less than 50 mg/kg PCBs (<50 mg/kg PCBs) soils/sediments were excavated, stockpiled, and resampled in accordance with the stockpiling methods outlined in Section 4.4 and as detailed in the May 10, 2005 letter to U.S. EPA. Once the stockpile sampling confirmed that composite samples from these soils were <50 mg/kg PCBs the soil was transported to the East Plant Area.

v) One characterization sample (see Section 4.3.2) collected from in-situ soils adjacent to the initial excavation on Parcel 53 had a detection of ≥50 mg/kg PCBs. The sample location and surrounding 5 foot area were excavated to an approximate 6 foot depth and placed directly into a truck for transportation and disposal at Heritage. No other ≥50 mg/kg PCBs soils were encountered or removed from any other Western Tributary Parcel as part of the Work Plan implementation.

vi) To the extent possible, excavation proceeded from upstream to downstream and, where possible, proceeded from high ground to lower areas, to prevent stormwater runoff being directed from an impacted area to a remediated area.

vii) Excavation areas were graded to direct stormwater runoff away from excavations.

viii) Measures necessary for dust emission control from excavation, soil handling, and transportation activities were carried out.

ix) In-creek sediment removal was coordinated with soil removal.

The final limits of soil excavation for each of the Western Tributary Parcels were established based on the verification of the removal of soil containing PCBs above the cleanup criteria. The completed excavation topography for each Western Tributary Parcel is presented in Figures 4.1.1, 4.1.2, 4.1.3, and 4.1.4. The estimated volume of material excavated for each of the Western Tributary Parcels is presented in Table 4.1. These volumes were calculated using Autodesk LandDesktop® by comparing the pre-excavation survey to the post-excavation survey.

Excavation conducted on Parcel 58 was a result of the extension of excavation activities to the east from Parcel 60. The planned excavation on Parcel 60 was extended approximately 50 feet into Parcel 58 based on verification sampling results.

4.3.4 VERIFICATION SAMPLING

Throughout the soil excavation phase, verification sampling was conducted to evaluate the limits of the excavation and to confirm cleanup goals were met. After the initial removal limits were excavated and removed, verification samples were collected along the excavation floor and sidewalls. If the results indicated the cleanup criteria were not met, additional excavation was conducted. Soil samples collected from the Western Tributary Parcels outside of the stream channel were analyzed for PCBs to determine if the applicable cleanup criterion for PCBs of 1.8 mg/kg had been achieved. An expedited turnaround time for PCB analysis was utilized for verification sample analyses to minimize the time that the excavated area was required to remain open.

The procedure for verification sampling of floodplain soil within the Parcels involved the following steps:

i) Each impacted section of creek was enclosed in an approximate 50 foot by 50 foot (50-ft by 50-ft) surveyed area/grid (verification area). The areas were centered and aligned parallel to the creek where possible. The approximately 50-ft by

50-ft grids were adjusted in size or grouped together to meet the geometry of the creek or the contaminated area.

ii) In each 50-ft by 50-ft verification area, soil was excavated where existing Site characterization data identified PCBs at concentrations exceeding 1.8 mg/kg. Post-excavation verification samples consisted of a 5-point composite sample collected from the top 4 inches of the excavated surface in each 50-ft by 50-ft grid. Grids excavated entirely to bedrock were considered to have zero residual PCBs (see Section 4.3.5).

iii) For areas where the depth of the outermost sidewall of the excavation was greater than six inches, composite soil samples were collected from the sidewalls for every 25 linear foot section of wall as a 5-point composite sample with sample aliquots collected approximately every ten linear feet of sidewall. In each 50-ft by 50-ft grid, composite sample analyses were reviewed to ensure that no composite result exceeded 1.8 mg/kg PCBs. If any of the results exceeded this limit, additional excavation was performed in the corresponding grid.

iv) When no composite sample exceeded 1.8 mg/kg, then the 50-ft by 50-ft area was deemed to have met the cleanup criterion and no further excavation was necessary.

v) Sediment and creek centerline samples were evaluated in the manner described above against the criterion of 1.0 mg/kg PCBs.

Post excavation verification sample summary results for the Western Tributary Parcels are presented on Figures 4.2.1, 4.2.2, 4.2.3, and 4.2.4. Sample results are also presented in Table 4.2. Final round sample summaries of Western Tributary Parcels verification sampling are presented on Figures 4.3.1, 4.3.2, 4.3.3, and 4.3.4**.** Laboratory analytical reports and chain of custody documents are presented in Appendix B.

4.3.5 VERIFICATION SAMPLING DATA QUALITY SUMMARY

A total of 279 samples were collected for verification purposes, which included 36 field duplicate sample sets. The rate of field duplicate collection met the 10% minimum requirement outlined in the approved QAPP. Based on data quality assessment and validation there were a few minor issues associated with the verification samples presented in the Work Plan. Data quality issues observed included the following:

- Seven (7) samples plus one duplicate sample were qualified as estimated values due to a violation of the laboratory control sample (LCS)/laboratory control sample

duplicate (LCSD) relative percent difference (RPD) between the LCS and LCSD. The percent recoveries determined were 103% and 73% for the LCS and LCSD, respectively, both within the control limits of 46 to 130%. The RPD was reported as 34% which is outside of the RPD control limit of 30%; and

- Of 36 duplicate sample sets collected, two (2) sample sets were in violation of the field duplicate precision requirements and were qualified as estimated (J) values.

The data quality objectives (DQO) in terms of precision, accuracy, representativeness, completeness, and comparability (PARCC) were met during the verification sampling event. There were no major data quality issues encountered and the minor issues observed did not impact data quantitative usability. No further analysis or sampling is required beyond this discussion. Table 4.2 presents the verification sampling results and data quality outliers.

4.3.6 BEDROCK REMOVAL

Areas of the stream where excavations proceeded down to bedrock were cleaned with a high-pressure washer to remove additional sediment/soil and oily residues not accessible with a hydraulic excavator. Wash water was contained and sent to Sevenson's water treatment plant prior to discharge.

The cleaned bedrock was then left exposed a couple of days to allow the bedrock to dry. After this time period, the bedrock was reinspected for bedrock fractures containing sediment and to determine whether oily residues were present. Sediment and residue in fractures were sampled consistent with the characterization sampling procedures outlined in Section 4.3.3 to determine if the material was above the criterion.

Bedrock with fractures containing material above the cleanup objective was physically removed to competent bedrock. Sediment sampled within the bedrock fractures were <50 mg/kg PCBs and the sediment and bedrock was stockpiled and sampled in accordance with the stockpile sampling plan. The bedrock face was then cleaned again with a high-pressure washer and inspected. The process was repeated until the surface passed the inspection.

4.3.7 BACKFILLING/FINAL GRADING

Once an excavation area was determined to meet the cleanup goal, the excavation was backfilled as soon as practical. Excavations were backfilled with clean fill from off-Site sources approved by U.S. EPA. Fill sources were characterized prior to importation to ensure they were acceptable, based on chemical analysis. Only material that met the chemical and quality assurance requirements of the project QAPP were allowed to be used as backfill. The area was then covered with clean topsoil, seed, and straw consistent with the restoration plans.

Following backfilling and seeding, straw was placed as an erosion control for the areas completed. Seeding utilizing native vegetative species was conducted during the appropriate season (to promote/allow growth). The estimated volume (tons) of soil backfilled for each Western Tributary Parcel is presented in Table 4.1. These volumes were calculated using Autodesk LandDesktop®. The as-recorded drawing for each work area is presented on Figures 4.4.1, 4.4.2, 4.4.3, and 4.4.4.

4.4 STOCKPILE SAMPLING/WASTE CHARACTERIZATION

Waste soil from the excavation activities that exhibited <50 mg/kg PCB concentrations was stockpiled, characterized and placed in the East Plant Area for use as grading fill. Based on laboratory analytical results, all soil excavated during implementation of the Western Tributary IM was determined to be <50 mg/kg PCBs, with the exception of a single characterization sample collected on Parcel 53. The >50 mg/kg sample from Parcel 53, along with the surrounding soil, was excavated and placed directly into a truck for transportation and disposal at Heritage.

Excavated material was sampled in accordance with the stockpile sampling plan as modified in the May 10, 2005 letter to U.S.EPA. The general procedure for characterization of stockpiled/staged soil involved the following steps:

i) If all the delineation samples within the Parcel had PCB concentrations of <50 mg/kg then the soil generated from the excavation areas was transported to a staging pad within the East Plant Area designed to meet Toxic Substances Control Act (TSCA) requirements or placed into a container (lined roll-off box);

ii) Each stockpile consisted of a maximum of 500 tons (approximately 27 truck loads). A minimum of one sample was composited for areas previously delineated as 5 to 10 mg/kg PCBs; two samples were composited for areas

delineated as 10 to 25 mg/kg PCBs; and 3 samples were composited for areas delineated as 25 to <50 mg/kg PCBs. No samples were collected in areas delineated as <5 mg/kg PCBs;

iii) Where space was restricted excavated material was containerized in drums or 30 cubic yard roll-off boxes;

iv) If multiple stockpiles were staged, then each stockpile would remain segregated to prevent mixing of the soil. No additional soil was added after sampling was completed; and

v) Soil was staged until sample results confirmed the material was <50 mg/kg PCBs, whereupon it was transferred to an approved fill area within the East Plant Area.

4.5 TRANSPORTATION AND DISPOSAL OF WASTE

Soils/sediment with concentrations <50 mg/kg PCBs were directly loaded into drums, roll-off boxes, or trucks and transported to the East Plant Area for staging, stockpile sampling, and placement. Soil from a characterization sample location on Parcel 53 that exhibited a PCB concentration ≥50 mg/kg, along with the surrounding soil, was direct loaded into a truck for transportation to Heritage. Tree stumps located within the excavation limits were excavated; segregated and stockpiled; and samples were collected from the soil on the tree stumps for waste characterization for disposal. The stumps were transported off-Site upon approval for disposal to the SRLF.

4.5.1 TRANSPORTERS AND DISPOSAL SITES

All materials that had concentrations <50 mg/kg PCBs were transported using transporters licensed for general transportation of sanitary wastes. Soils removed from the Western Tributary Parcels with concentrations <50 mg/kg PCBs were transported using Hoosier Transport, Inc., and U.S. Bulk Transport, Inc. (U.S. Bulk) and placed in U.S. EPA approved fill areas within the East Plant Area for use as grading fill as part of the East Plant Area IM.

Tree stumps were stockpiled, sampled and transported off-to SRLF by Relco Trucking.

One truckload of ≥50 mg/kg PCBs soil was transported by U.S. Bulk. U.S. Bulk is licensed by U.S. EPA, U.S. Department of Transportation (U.S. DOT), and the State of

Indiana for the transport of soils with concentrations ≥50 mg/kg PCBs. The transporter operated in compliance with applicable State and federal hazardous waste transportation requirements (i.e., 40 CFR Part 263). Soils were disposed at Heritage which was approved by U.S. EPA and IDEM for disposal of ≥50 mg/kg PCBs soil from the cleanup at the Facility.

4.5.2 PREPARATION OF OFF-SITE TRANSPORT VEHICLES

Each vehicle leaving the Site was decontaminated, and then inspected for exterior cleanliness, secured tarps, proper placarding, manifest/documentation, and to ensure there were no signs of material spillage from the vehicle and/or trailer. This information was recorded on a Truck Inspection Report for each vehicle.

During transportation activities over public roads, transportation was conducted in compliance with Federal, State, and local regulations concerning shipping materials, including the following:

i) the number for each transport vehicle/container was displayed visibly;

ii) the box of the transport vehicle/container was clean of loose debris or foreign material prior to loading;

iii) the box or container was lined with a minimum of one layer of 3-mil (one thousandths of an inch) polyethylene sheeting continuous along the bottom and sides. The liner was placed on the floor, extending up the sides, and draped over the sideboards. The liner was pushed into the corners to prevent tearing during loading and transport;

iv) the materials were loaded in a manner which did not damage the polyethylene liner; and

v) following loading, the liner was folded over the loaded materials prior to securing the load with an approved tarpaulin in a manner to prevent loss of materials or fugitive dust emissions.

CRA completed a Truck Inspection Report for each loaded vehicle leaving the Site. The Truck Inspection Report recorded information such as truck number, manifest number (if applicable), type and origin of waste soil, vehicle condition, and other pertinent information. Recent Truck Inspection Report forms are located in the CRA Field Trailer on-Facility. Forms have been sent to CRA's Waterloo, Ontario office for long-term filing.

4.5.3 MANIFESTING, LABELING, AND DOCUMENTATION

All waste stump material <50 mg/kg PCBs designated for off-Site disposal was manifested prior to leaving the Site using a non-hazardous waste manifest specific to the SRLF. GM retained the Generator manifest copy, the Generator Bill of Lading (BOL) copy, the scale ticket copies, and the Truck Inspection Report. Upon disposal at the SRLF, the Return to Generator copies of the manifest and BOL, as well as the Certificate of Disposal, were sent to CRA for cross check (to insure the materials reached their destination) and filing. Copies were provided to GM.

All waste material with ≥50 mg/kg PCBs designated for off-Site disposal was manifested prior to leaving the Site. The manifest forms were consistent with 40 CFR Part 262 "Environmental Protection Agency (EPA) Hazardous Waste Generator Standards", 40 CFR Part 263 "EPA Hazardous Waste Transporter Standards", 40 CFR Part 268, "Land Disposal Restriction Standards", 40 CFR Part 761, "EPA Polychlorinated Biphenyls Rules", and the State of Indiana regulations. GM retained the Generator manifest copy, the BOL copy, the scale ticket copy, and the Truck Inspection Report. Upon disposal at Heritage, the Return to Generator copies of the manifest and BOL, as well as the Certificate of Disposal, were sent to CRA for cross check (to insure the materials reached their destination) and filing. Copies were provided to GM.

A customized version of CRA's Waste Manager software database program was used to track individual waste containers from generation through disposal. Specifically, the program tracks container start dates, container locations, container contents, regulatory storage/disposal timeframes, container labeling requirements, approved disposal locations, approved waste stream profiles, and shipping documentation, including generating manifests and tracking receipt of returned manifests.

For all loads of <50 mg/kg PCBs transported off-Site or to the East Plant Area, in addition to the tracking for off-Site disposal described above, CRA maintained two daily logs; a log book, and a daily spreadsheet, summarizing all materials transported from the Western Tributary Parcels to the SRLF or the East Plant Area. These logs recorded information such as total volume/weight of material transported, waste source, description, transporter, and date shipped.

The spreadsheet tracking material removed from the Western Tributary Parcels is included in Appendix C.1. Appendix C.2 contains the manifest and tracking materials for the ≥50 mg/kg PCB load transported for disposal at Heritage. Appendix C.3

contains the manifest and tracking materials for the stump materials transported for disposal at SRLF. The materials sent to the SRLF were a mix of primarily Parcel 22 stumps and a small portion of Western Tributary stump materials.

Analytical results for stockpile sampling can be found in Appendix B.

4.6 AIR QUALITY MONITORING

4.6.1 AIR MONITORING BACKGROUND

An air monitoring program at the perimeter of the Parcel 2 excavation was conducted to evaluate potential public exposure to fugitive air emissions. In order to verify that no unacceptable emissions occurred, air monitoring for the emission of PCBs and TSPs was conducted daily around the Parcel 2 perimeter during excavation activities at locations between excavation areas and the closest potential receptors. The perimeter air monitoring program was in addition to air monitoring for contractor health and safety, including personnel air monitoring conducted by the contractor as described in the Ambient Air Quality Monitoring Plan (AAQMP) (CRA, 2004) and amendments.

According to the AAQMP (CRA, 2004) as amended at the time of work completion, PCB and TSP monitoring was performed around the active work area on a 24-hour basis. The air-monitoring program yielded average concentrations in the ambient air for the selected compounds over each 24-hour period. Concentrations of PCBs and TSPs were determined by measuring the volume of air and amount of contaminant collected onto absorbent media, or filters, over a 24-hour period. Meteorological readings (i.e., temperature, humidity, and barometric pressure) were recorded daily from nearby weather stations to correct and reduce (for reporting) the measured data to ambient conditions.

PCB sampling was completed utilizing U.S. EPA Method TO-4A (U.S. EPA, January 1999). TSP sampling was completed using U.S. EPA's Reference Method for Determination of Suspended Particulate Matter in the Atmosphere (High-Volume Method) (40 CFR Part 50 Appendix B).

PCB and TSP samples were obtained from four sampling stations positioned around the active work areas. The locations for each air monitoring station (labeled as Group 11) are presented on Figure 4.5. Group 11 air monitoring stations were located at the

western border of Parcel 2, the southern end of the West Plant Area, and two stations were located on the East Plant Area northeast of Parcel 2.

Due to the limited size of the excavations, low initial delineation PCB sample concentrations (<10 mg/kg PCBs), prior Site experience, and the distance to residential receptors, no perimeter air monitoring was conducted for the IM activities on Parcels 53, 57, 58, and 60.

4.6.2 AIR MONITORING RESULTS

4.6.2.1 TSP

TSP results for air monitoring Group 11 related to Parcel 2 are presented in Table 4.3.1. TSP results were evaluated against the upwind concentration in each air-monitoring group. The Action Level for TSP (shown as 100% Allowable on the Table) is defined as 67-percent in excess of the upwind ambient air concentration based on IDEM, Title 326, Article 6, Rule 4 of the Indiana Administrative Code.

As presented in Table 4.3.1 no TSP exceedances were observed at air monitoring Stations 26 or 27, which were located adjacent to Parcel 2. On occasion exceedances were observed at air monitoring Station 1B, located at the northwest corner of the ZIPP Lot. We do not believe these observed exceedances were related to the IM activities on Parcel 2, but rather were related to dust generated by truck traffic within the unpaved ZIPP trucking parking lot.

4.6.2.2 PCB

PCB results for Group 11 are presented in Table 4.3.2. PCB results for all four air-monitoring stations were well below the Stop Work Action Level of 1 microgram per meter cubed ($\mu g/m^3$) for the duration of the work.

5.0 RESTORATION ACTIVITIES

The objectives of the IM Restoration Activities were as follows:

- comply with Access Agreement requirements for non-GM owned Parcels;
- restore disturbed areas generally to the pre-existing geomorphology and function; and
- re-vegetate areas with native plant species, after review with the Parcel owner (private or GM-owned).

Restoration of vegetation and habitat occurred on two types of Parcels: privately-owned Parcels and GM-owned Parcels. Restoration of privately owned Parcels was based on Access Agreements signed by the individual Parcel owners and GM. Although the Access Agreements contain similar elements, each privately owned Parcel had some unique restoration requests/requirements. Figures 5.1.1, 5.1.2, 5.1.3, and 5.1.4 present the restoration features of the Western Tributary Parcels.

5.1 GRADING, MORPHOLOGY, AND FUNCTION

Common fill and topsoil were used to grade areas where soil was removed. The top six inches of the backfill was topsoil. Creek substrate (12 inch minus rock mix) was placed in the Parcels 58/60 creek channel to return the excavated portion to generally similar pre-existing grades. The creek channel and affected upland slope areas were restored to a similar geomorphology using materials similar to those naturally present in the creek prior to the IM.

To prevent excessive erosion and to allow the creek banks to reach a naturally stable condition, planting was completed immediately after construction. The surface of the creek banks were overlain with straw after planting to provide initial erosion protection.

5.2 SITE RE-VEGETATION

Two seed mixes (grass and slope forest) were used to stabilize and provide ground cover for the restored areas. The specific mix used was dependant on the hydrologic regime, past and future use of the area, and the slope of the restored area. A grass seed mix was used on Parcels 2, 53, 57, and 61. A slope forest seed mix was used on

Parcels 58 and 60 and was designed to provide natural ground cover that is generally similar to pre-excavation conditions.

6.0 SUMMARY

A summary of the IM activities for each Parcel which identifies the total number of delineation and verification samples collected, quantity of soil excavated, and quantity of soil backfilled is presented in Table 6.1.

7.0 REFERENCES

CRA, Ambient Air Quality Monitoring Plan (AAQMP), November 2004.

CRA, Current Conditions Report, May 25, 2001.

CRA, Quality Assurance Project Plan (QAPP), November 5, 2001.

CRA, Quality Assurance Project Plan (QAPP) Revision 1, December 12, 2004.

CRA, Quality Assurance Project Plan (QAPP), Revision 2, July 25, 2006.

CRA, Western Tributary Parcels 2, 57, 60, and 61 Interim Measures Work Plan, January 13, 2006.

Indiana Department of Environmental Management, February 2001, Risk Integrated System of Closure Technical Resource Guidance Document.

McGuigan, J. (CRA), Letter to Brad Stimple (U.S. EPA), May 10, 2005.

U.S. EPA, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Compendium Method TO-4A Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/ Multi-Detector Detection (GC/MD), January 1999.

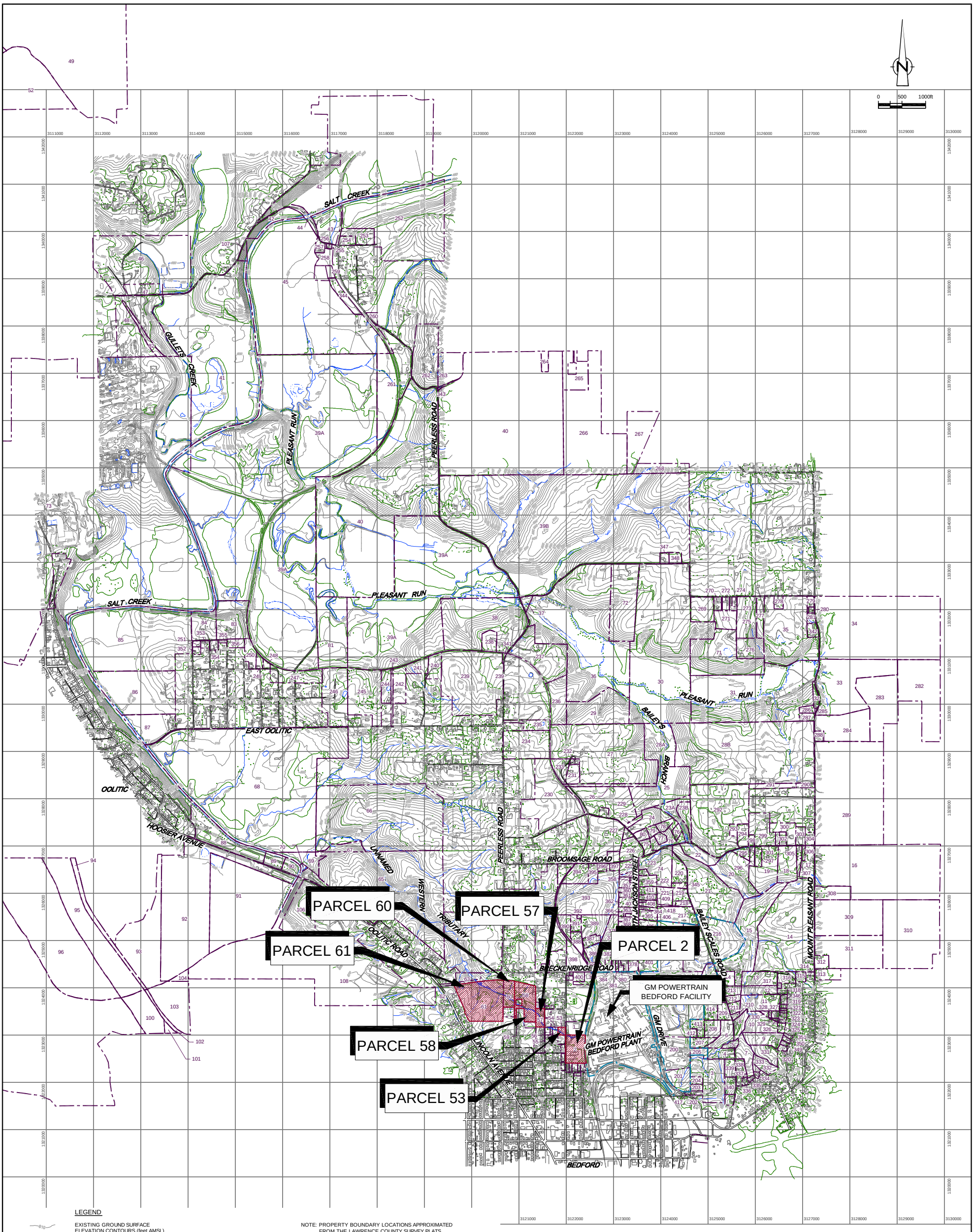
8.0 CONSTRUCTION CERTIFICATION

Under penalty of law, I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this Report, the information submitted is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Respectfully Submitted,

James J. McGuigan, P.E.

Glenn Turchan, M.A. Sc., P. Eng.



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
- APPROXIMATE STUDY AREA

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

WESTERN TRIBUTARY INTERIM MEASURE

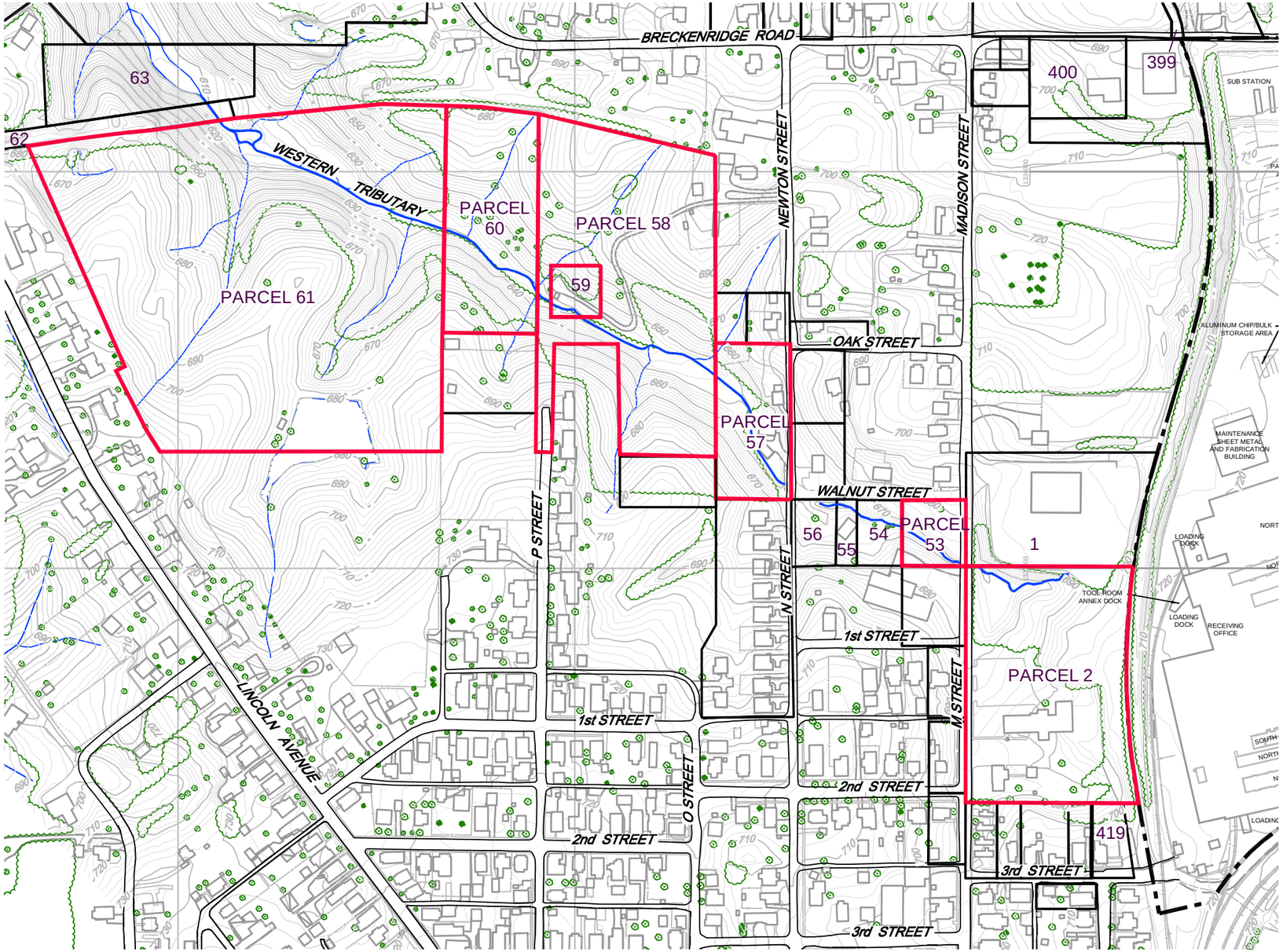
SITE LOCATION

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
J.D.	P.G.	JANUARY 2006	
Scale: AS SHOWN	Project Nº: 13968-00	Report Nº: 223	Drawing Nº: figure 1.1

13968-00(223)GN-WA001 FEB 29/2008



0 100 300ft

LEGEND

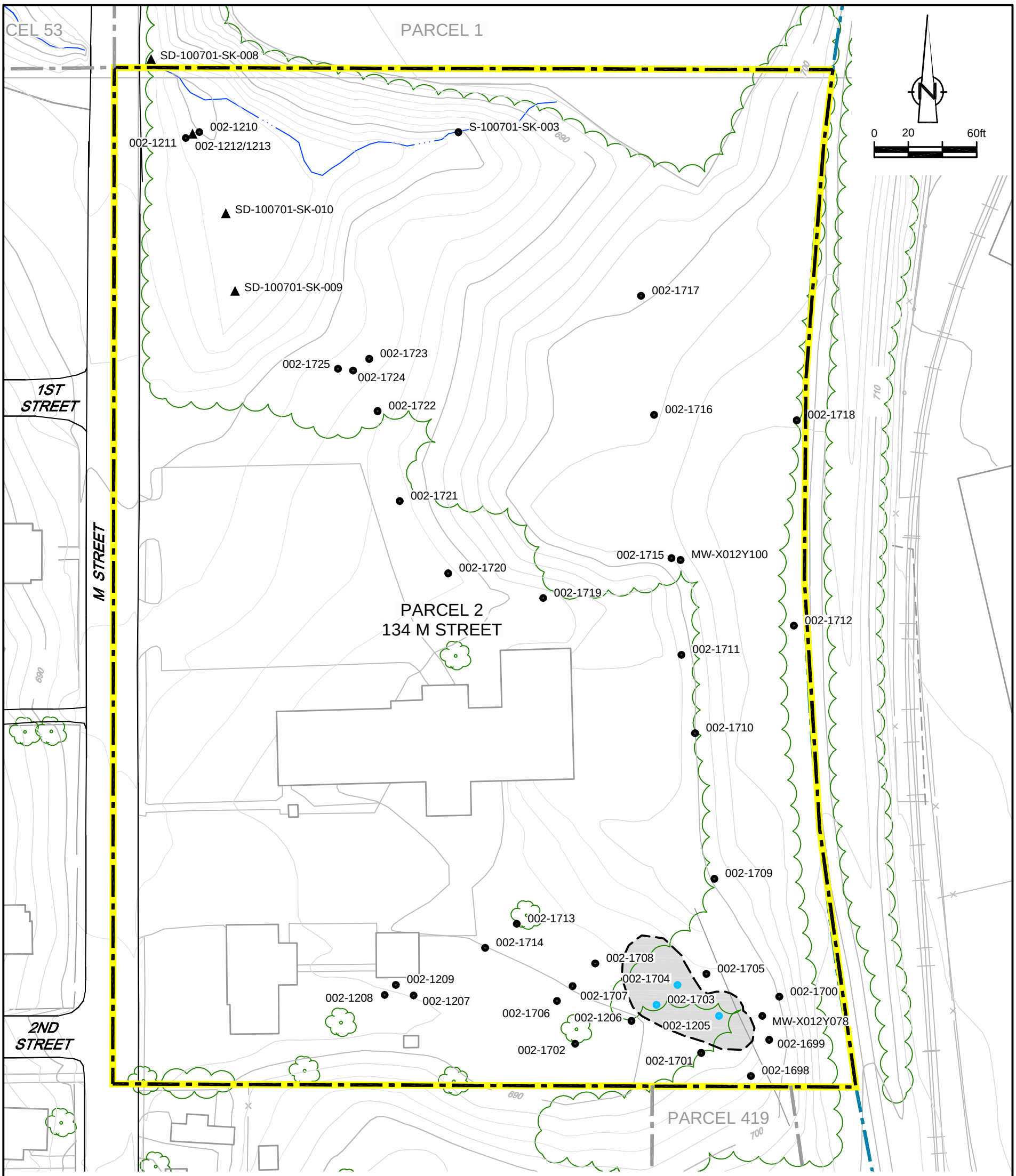
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE WESTERN TRIBUTARY INTERIM MEASURE PARCEL BOUNDARY
- WESTERN TRIBUTRARY LOCATION
- STREAMS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS

SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

figure 1.2

SITE PLAN
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- PARCEL 2 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

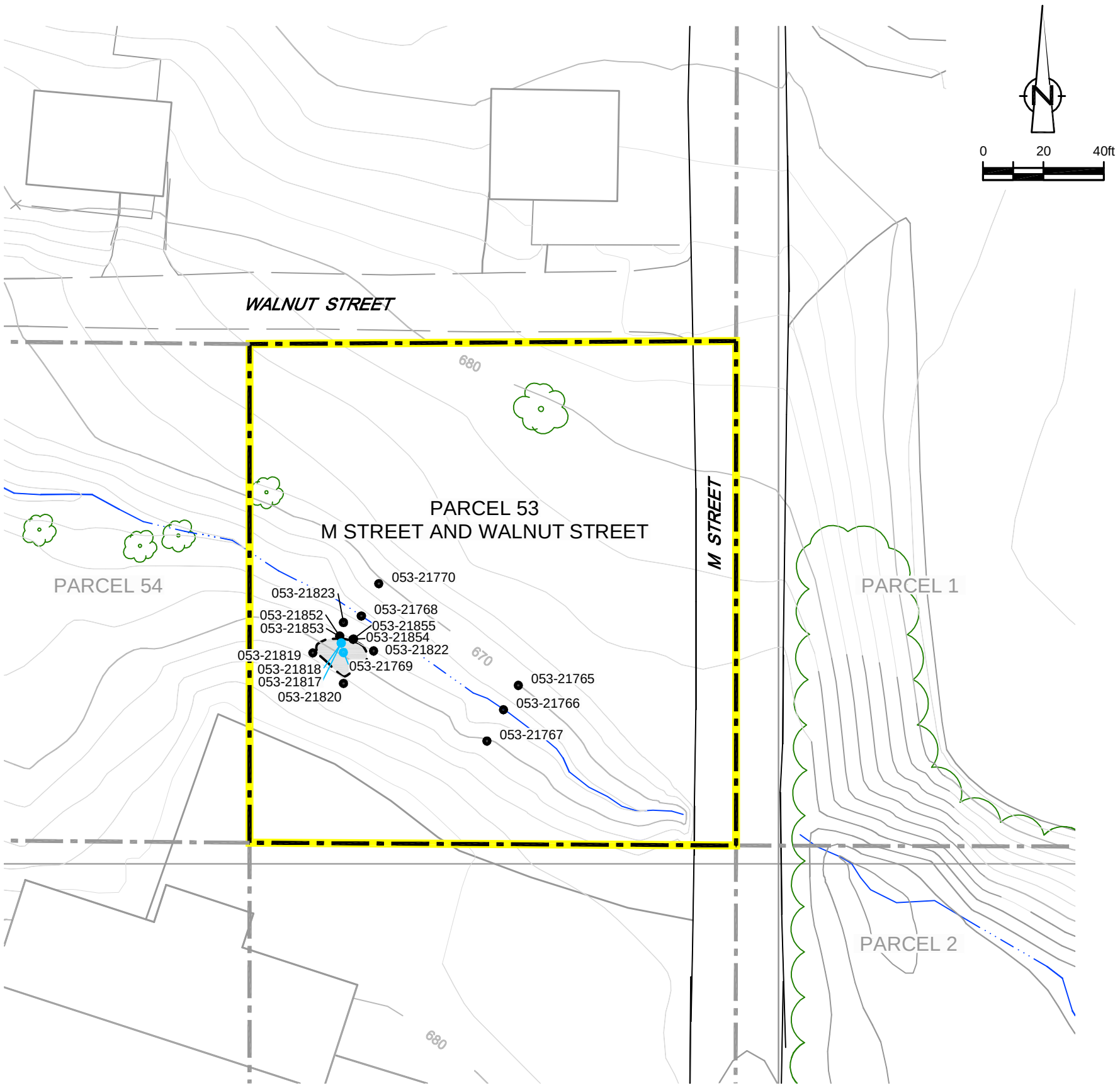
- SOIL SAMPLE RESULT ≤1.8 ppm
- SOIL SAMPLE RESULT > 1.8 ppm
- SEDIMENT SAMPLE RESULT ≤ 1.0 ppm

figure 3.1.1

PARCEL 2 INVESTIGATIVE SAMPLE LOCATIONS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(223)GN-WA006 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

LEGEND

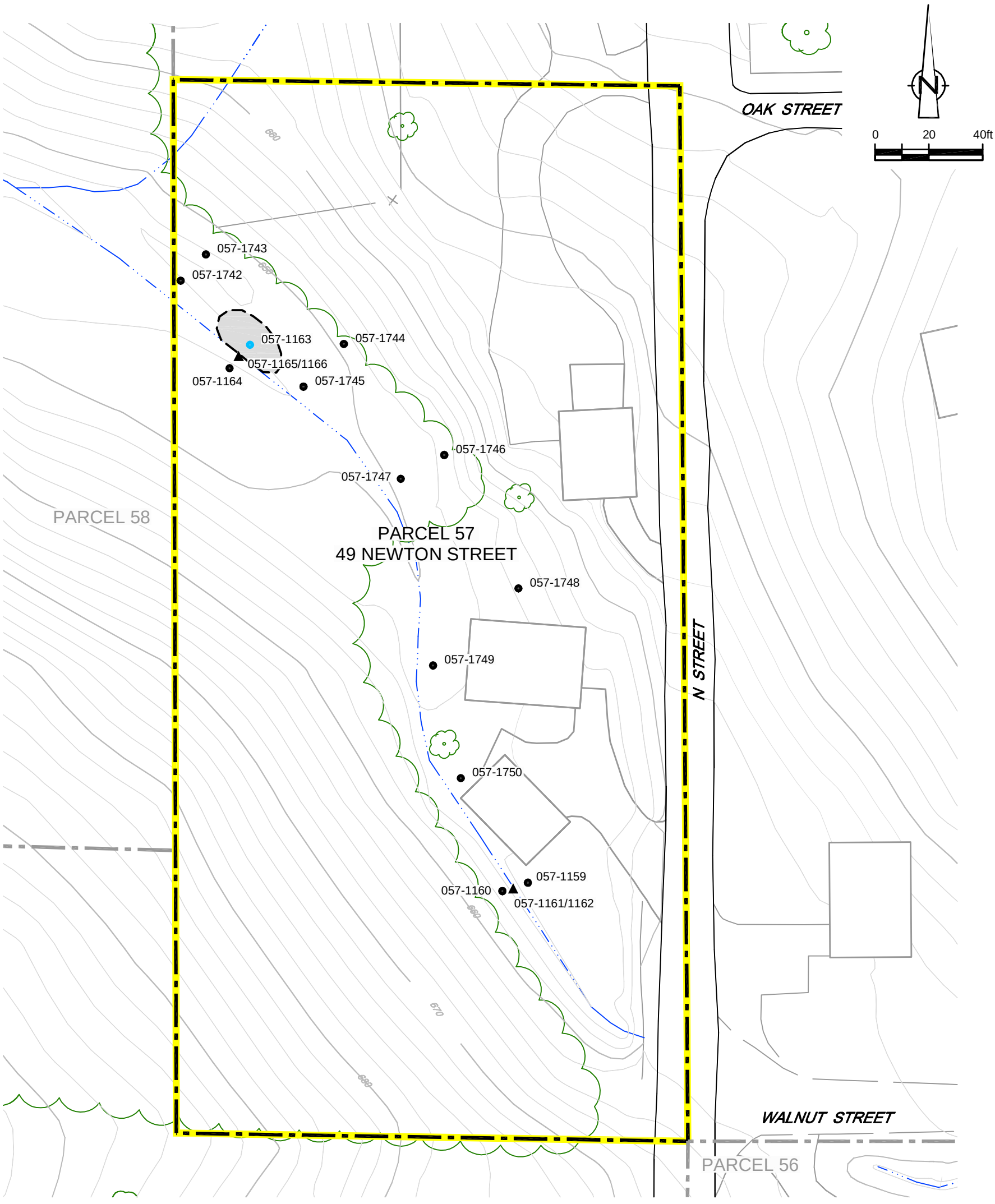
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- PARCEL 53 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

- SOIL SAMPLE RESULT ≤1.8 ppm
- SOIL SAMPLE RESULT > 1.8 ppm
- SEDIMENT SAMPLE RESULT ≤ 1.0 ppm

figure 3.1.2

PARCEL 53 INVESTIGATIVE SAMPLE LOCATIONS
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA033 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

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
- PARCEL 57 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

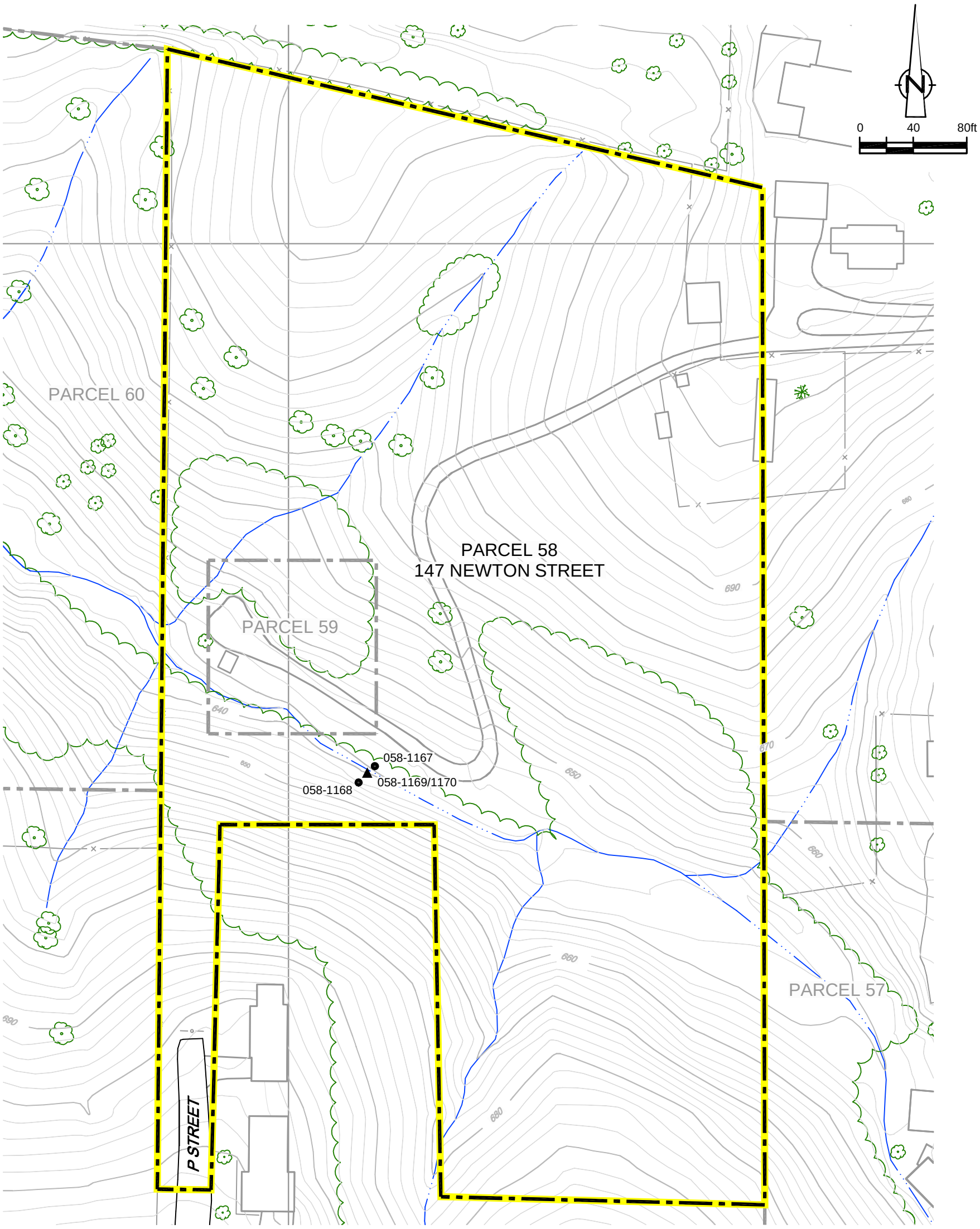
- SOIL SAMPLE RESULT ≤1.8 ppm
- SOIL SAMPLE RESULT > 1.8 ppm
- SEDIMENT SAMPLE RESULT ≤ 1.0 ppm

figure 3.1.3

PARCEL 57 INVESTIGATIVE SAMPLE LOCATIONS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(223)GN-WA007 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

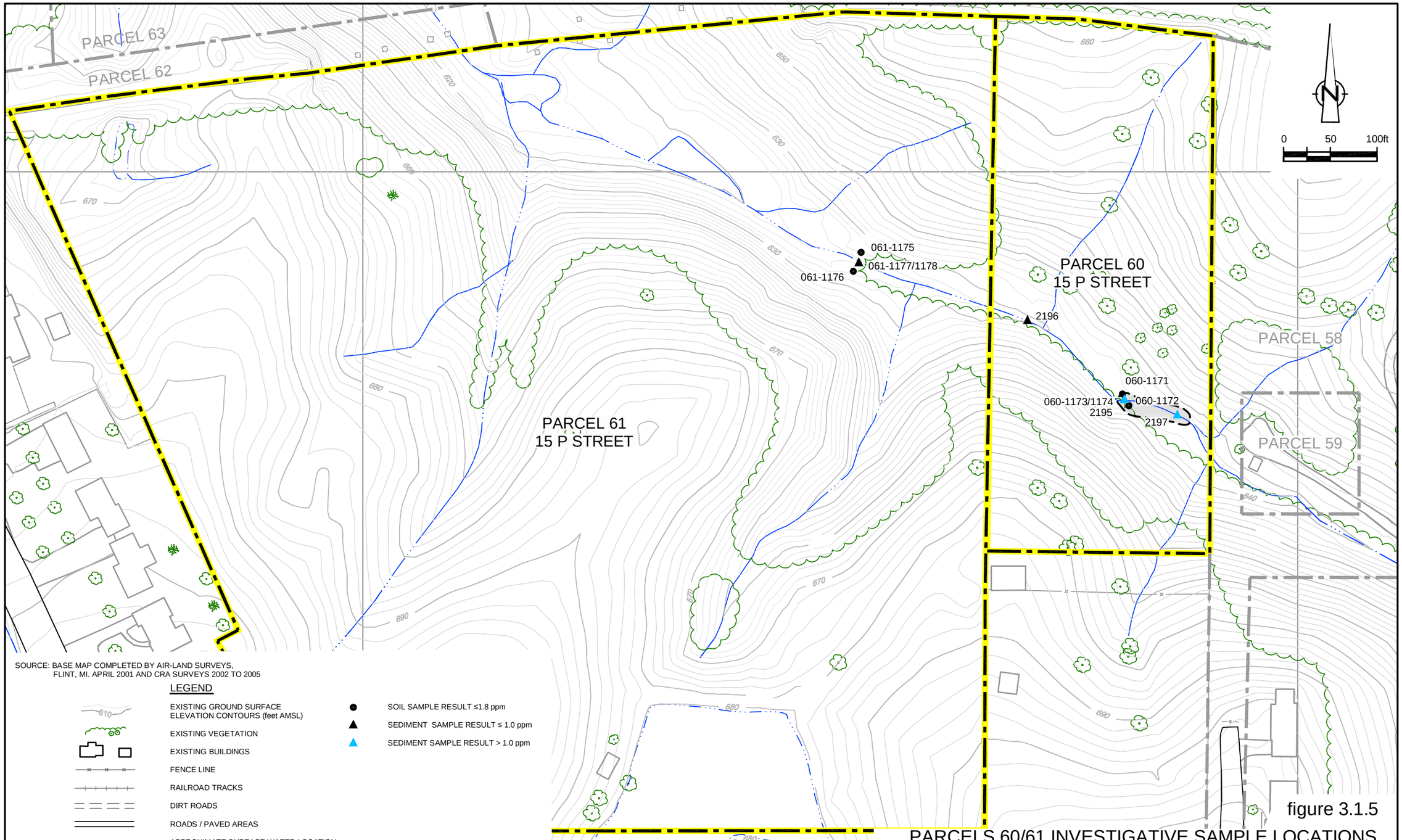
LEGEND

- 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
- PARCEL 58 PROPERTY BOUNDARY
- SOIL SAMPLE RESULT ≤1.8 ppm
- SEDIMENT SAMPLE RESULT ≤ 1.0 ppm

figure 3.1.4

PARCEL 58 INVESTIGATIVE SAMPLE LOCATIONS
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA011 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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
- PARCELS 60/61 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

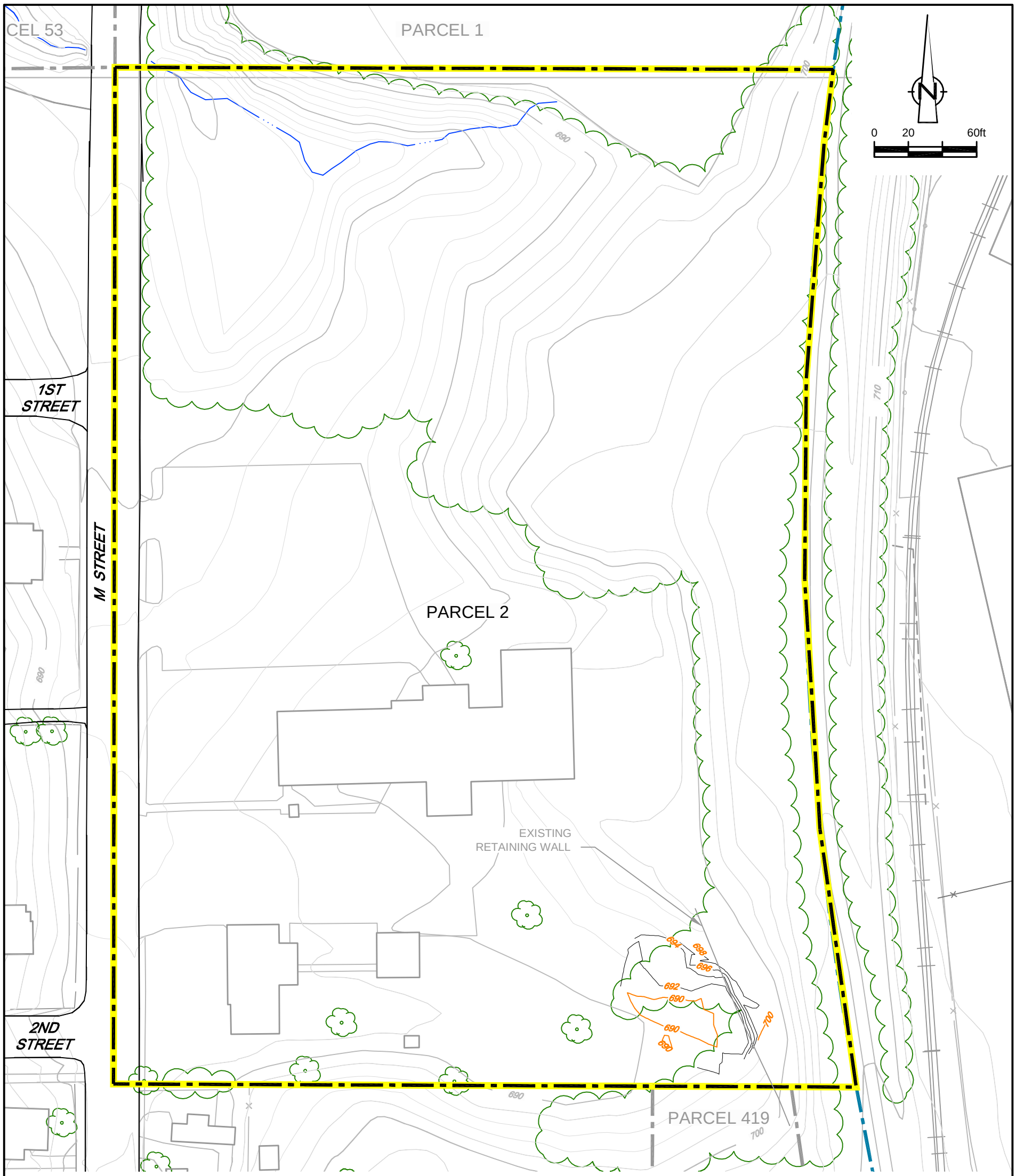
- SOIL SAMPLE RESULT ≤1.8 ppm
- SEDIMENT SAMPLE RESULT ≤ 1.0 ppm
- SEDIMENT SAMPLE RESULT > 1.0 ppm

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

figure 3.1.5

PARCELS 60/61 INVESTIGATIVE SAMPLE LOCATIONS
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA008 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

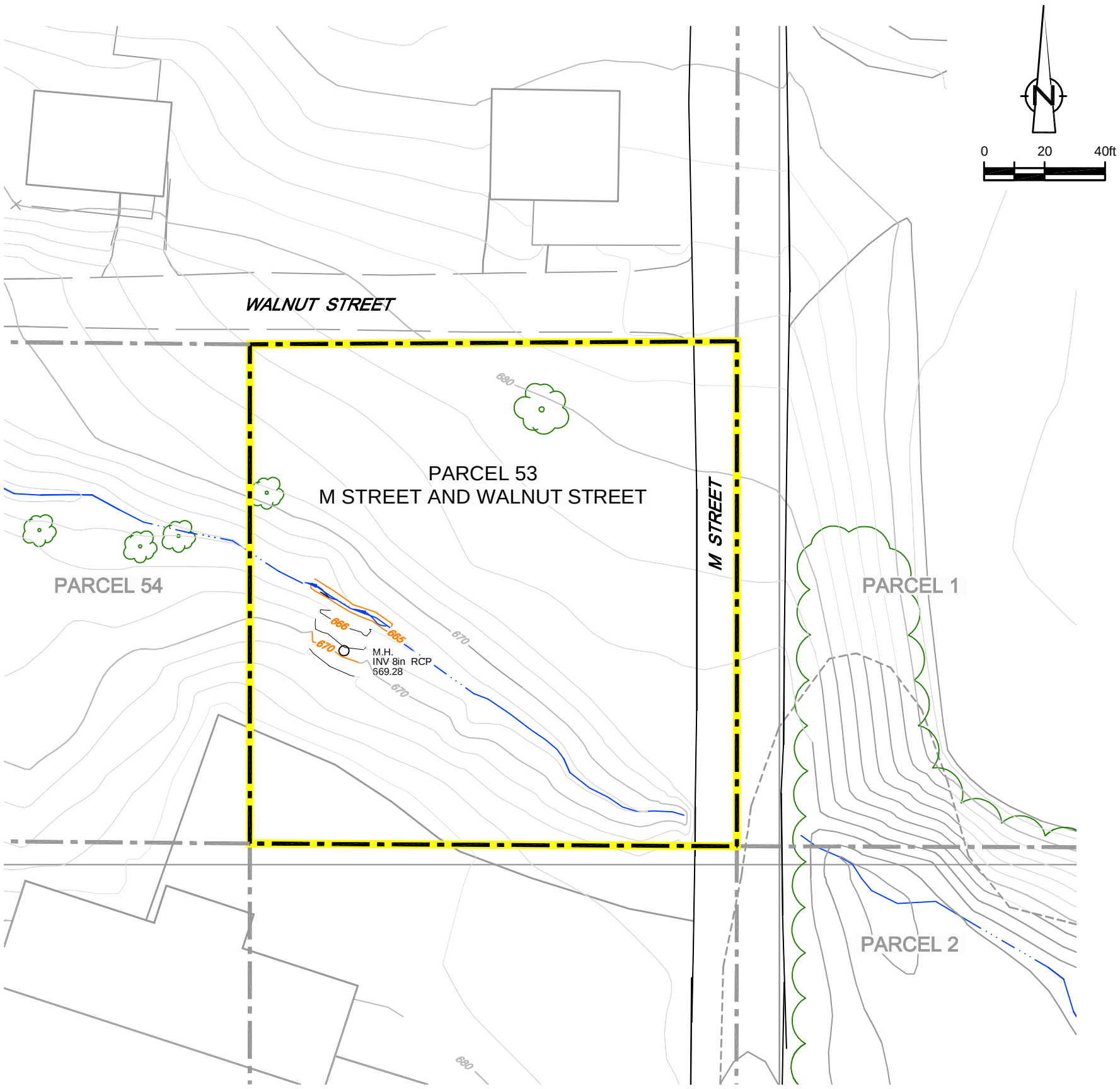
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- FINAL EXCAVATION CONTOURS (feet AMSL) (690)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- PARCEL 2 PROPERTY BOUNDARY

figure 4.1.1

PARCEL 2 - COMPLETED EXCAVATION TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA019 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

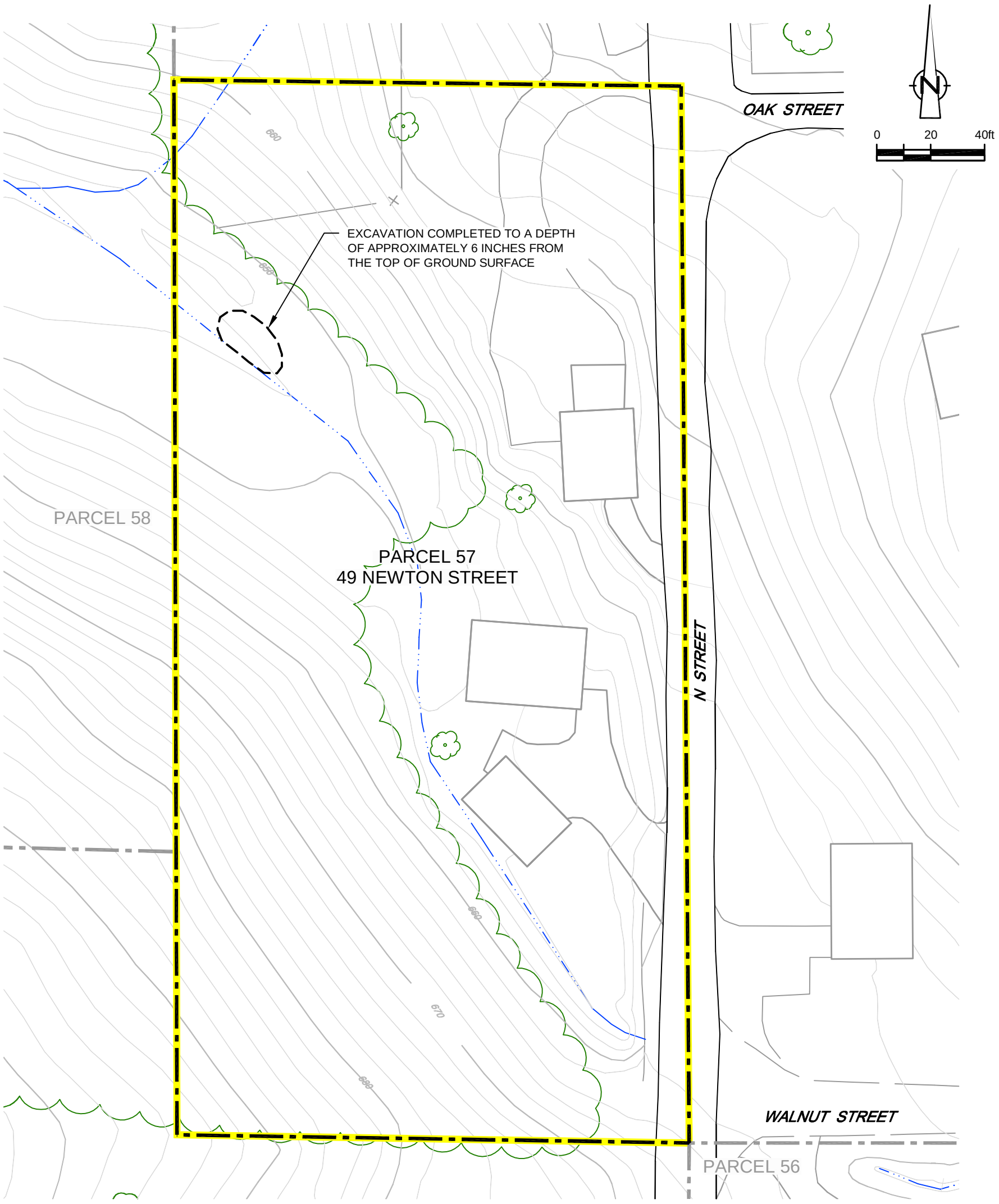
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- FINAL EXCAVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- PARCEL 53 PROPERTY BOUNDARY
- M.H. EXISTING STORM MANHOLE

figure 4.1.2

PARCEL 53 - COMPLETED EXCAVATION TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA034 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

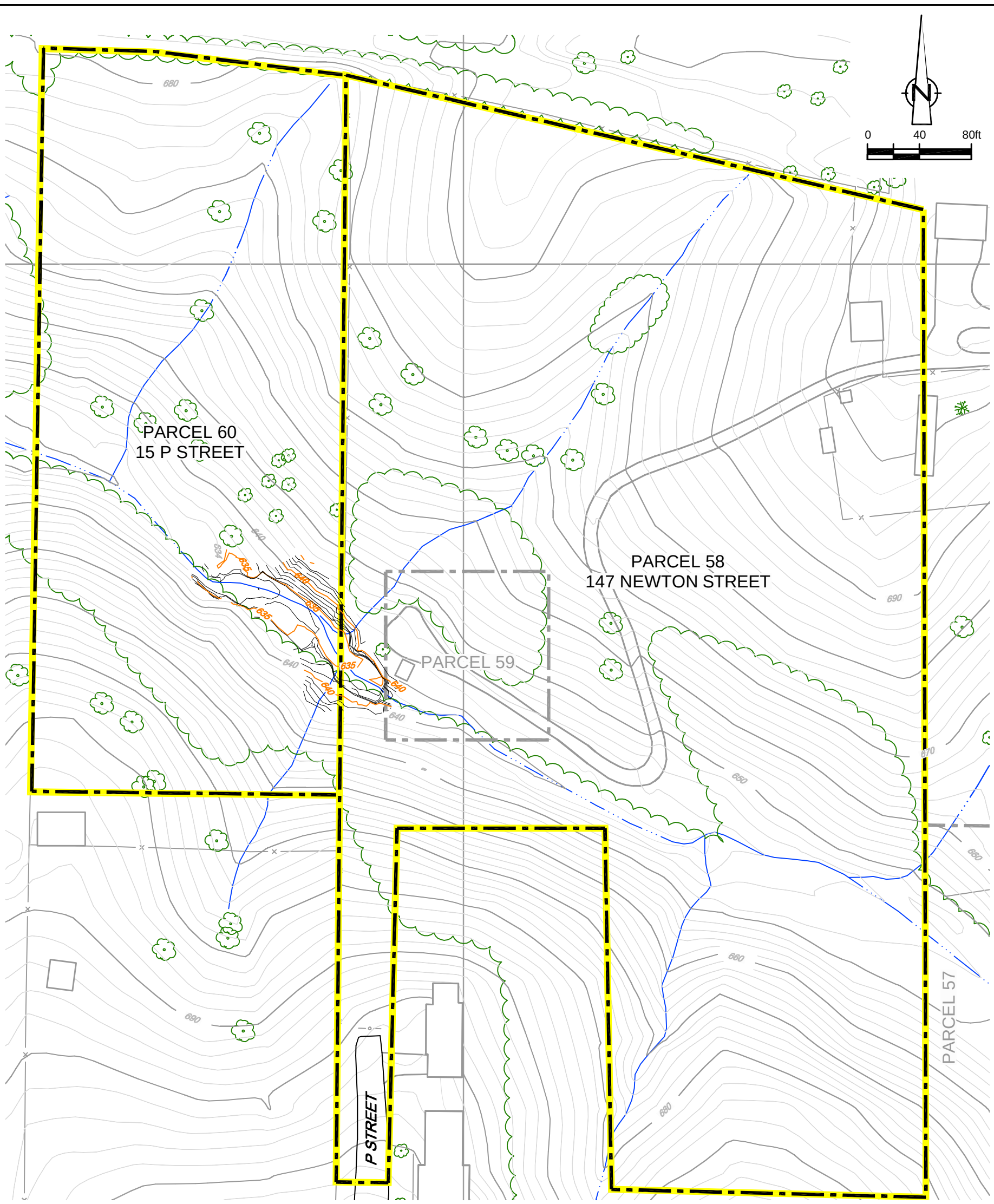
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- EXCAVATION LIMIT
- PARCEL 57 PROPERTY BOUNDARY

figure 4.1.3

PARCEL 57 - COMPLETED EXCAVATION TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA020 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

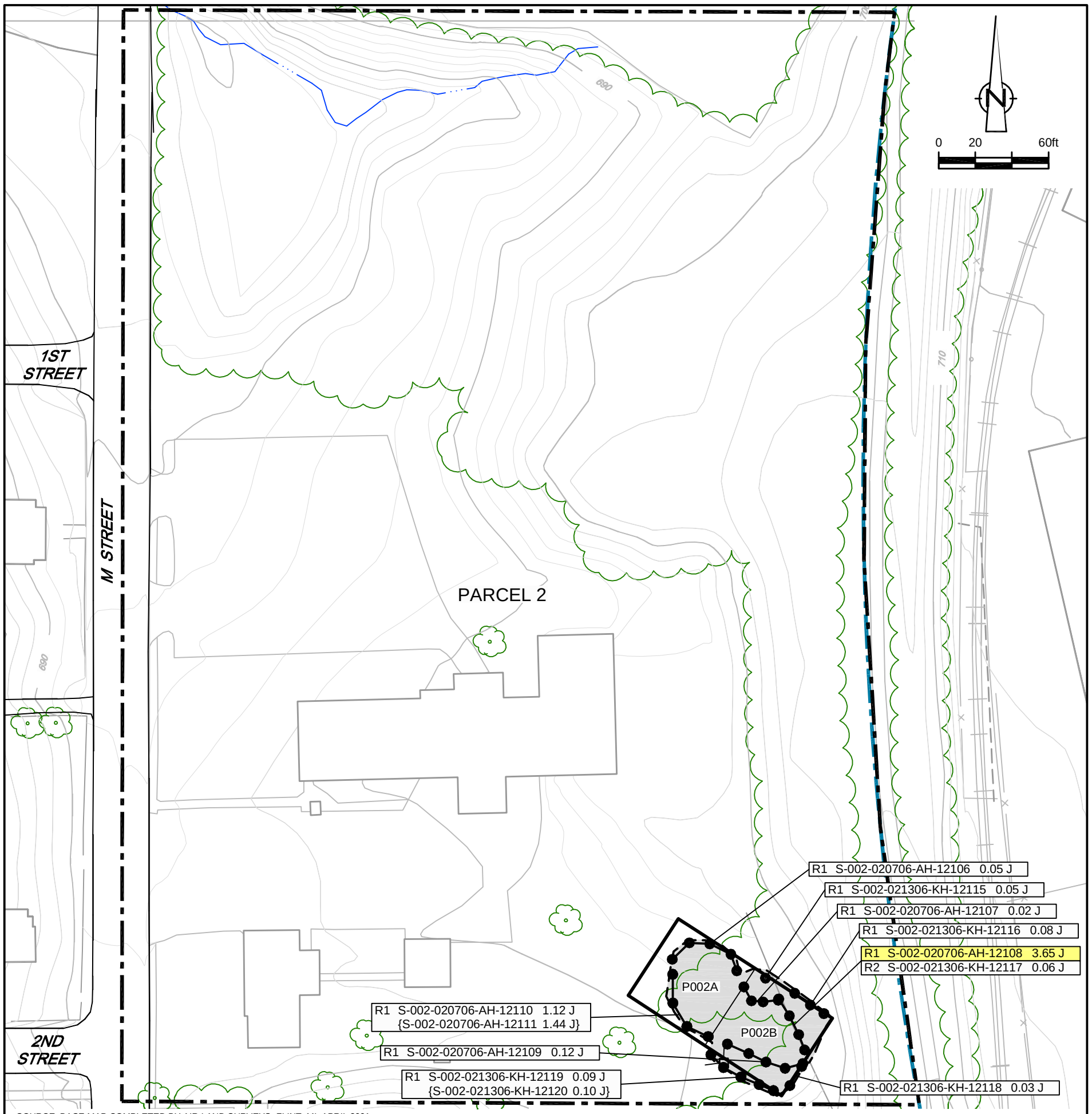
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- FINAL EXCAVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- PARCELS 58/60 PROPERTY BOUNDARY

figure 4.1.4

PARCELS 58/60 - COMPLETED EXCAVATION TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA021 FEB 29/2008



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

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P002 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-002-020706-AH-12110 1.12 J
{S-002-020706-AH-12111 1.44 J}

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

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-002-020706-AH-12108 3.65 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

EXCAVATION FLOOR SAMPLE RESULTS

		Sampling Round					
		R1		R2		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
P002	A	S-002-020706-AH-12112	0.91 J	-	-	S-002-020706-AH-12112	0.91 J
	B	S-002-020706-AH-12113	2.00 J	S-002-021306-KH-12114	0.15 J	S-002-021306-KH-12114	0.15 J

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to < 1.8 mg/kg.
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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

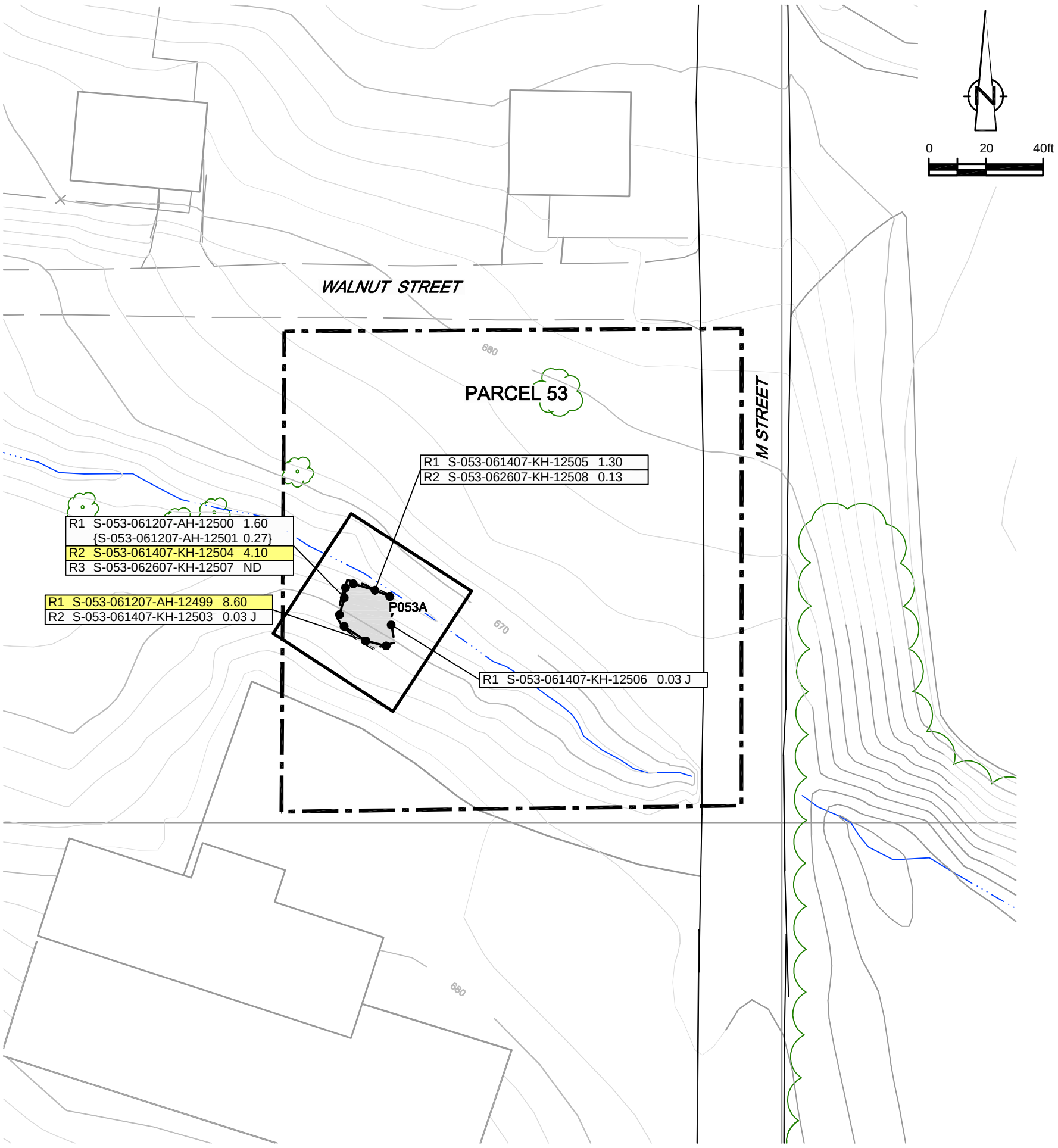
figure 4.2.1

PARCEL 2 - POST EXCAVATION VERIFICATION SAMPLE SUMMARY AND RESULTS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

CRA

13968-00(223)GN-WA012 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P053 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-053-061207-AH-12500 1.60
{S-053-061207-AH-12501 0.27}

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

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-053-061207-AH-12499 8.60 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

EXCAVATION FLOOR SAMPLE RESULTS

		Sampling Round					
		R1		R2		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
P053	A	S-053-061207-AH-12502	0.27	S-053-062807-KH-12509	0.08	S-053-062807-KH-12509	0.08

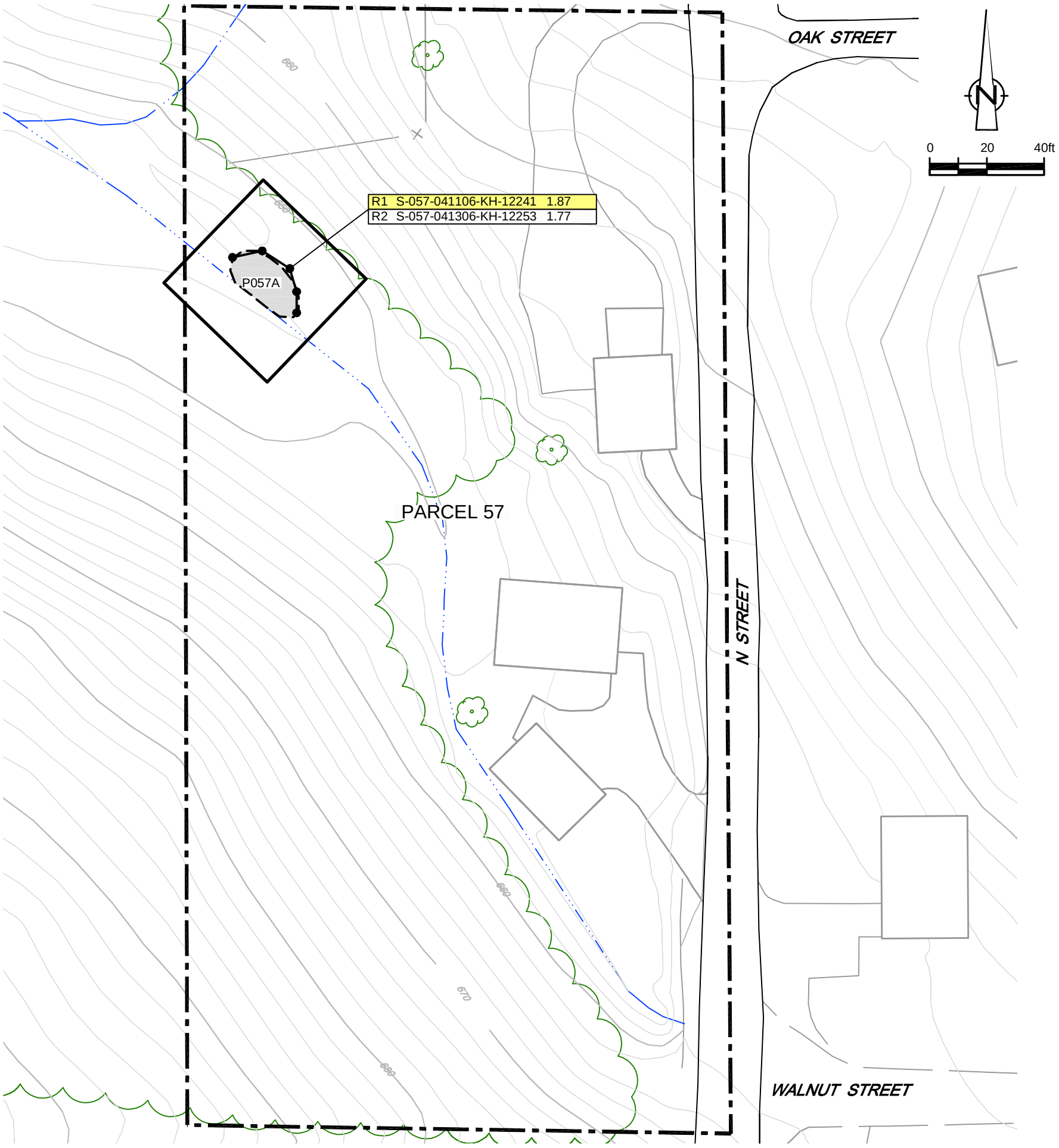
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to < 1.8 mg/kg.
b.) Sediments to < 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except 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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.2.2

PARCEL 53 - POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

CRA



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P057 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-030-080605-CH-8881 5.97
{S-030-080605-CH-8882 2.86 J}

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-057-041106-KH-12241 1.87 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

EXCAVATION FLOOR SAMPLE RESULTS

		Sampling Round			
		R1		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
P057	A	S-057-041106-KH-12240	0.76	S-057-041106-KH-12240	0.76

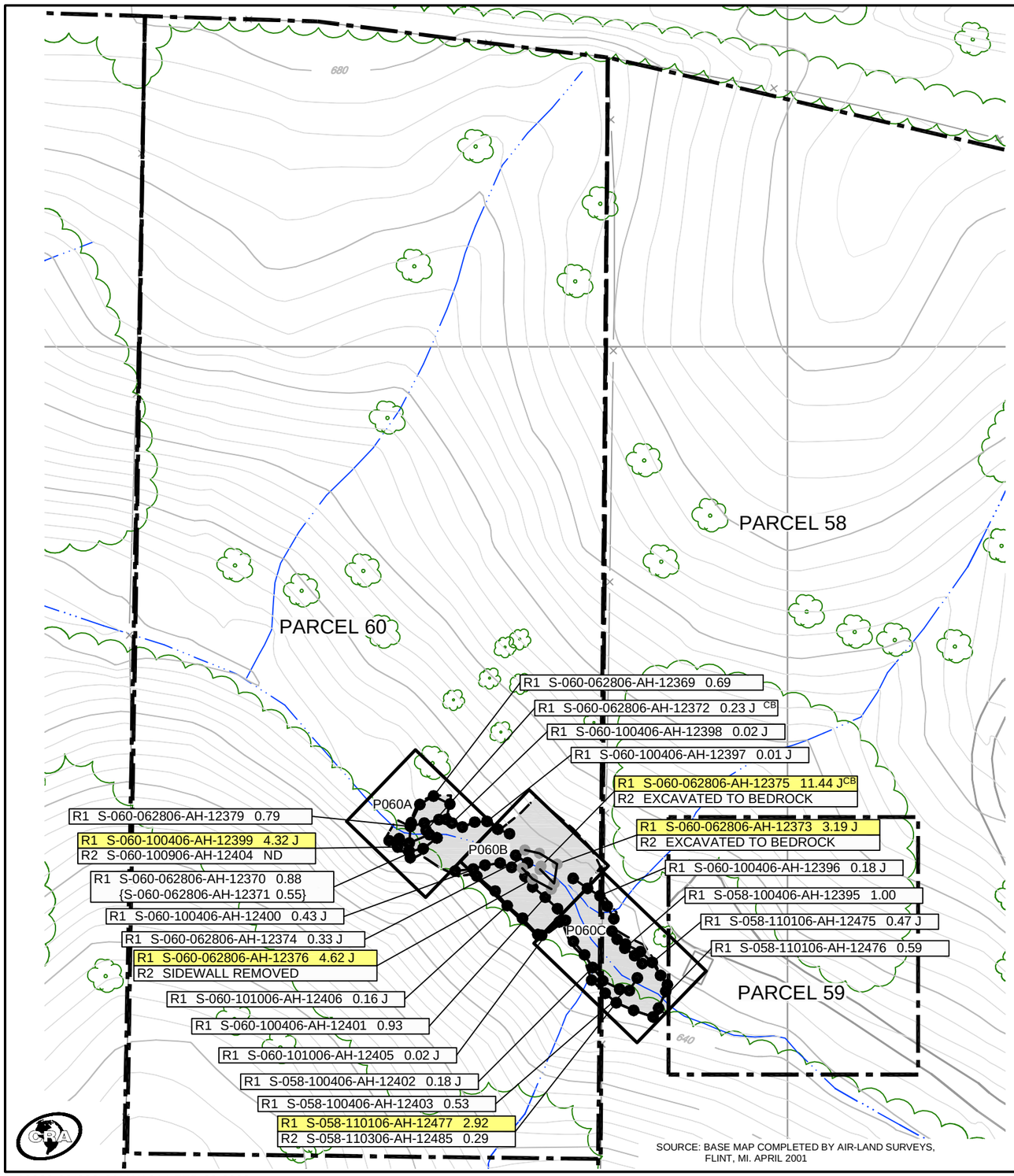
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to < 1.8 mg/kg.
b.) Sediments to < 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except 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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.2.3

PARCEL 57 - POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

CRA



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

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P060 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-060-062806-AH-12370 0.88
{S-060-062806-AH-12371 0.55}

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

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE EXCAVATED TO BEDROCK
- R1 S-060-062806-AH-12376 4.62 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE

N

0 20 60ft

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)
P060	A	S-060-062806-AH-12377	0.02 J	S-060-101206-KH-12433	ND	S-060-101206-KH-12433	ND
	B	S-060-062806-AH-12378	2.33 J	S-060-101206-KH-12434	ND	S-060-101206-KH-12434	ND
	C	S-060-101206-KH-12435	0.01 J	S-060-110106-AH-12478	0.14 J	S-060-110106-AH-12478	0.14 J

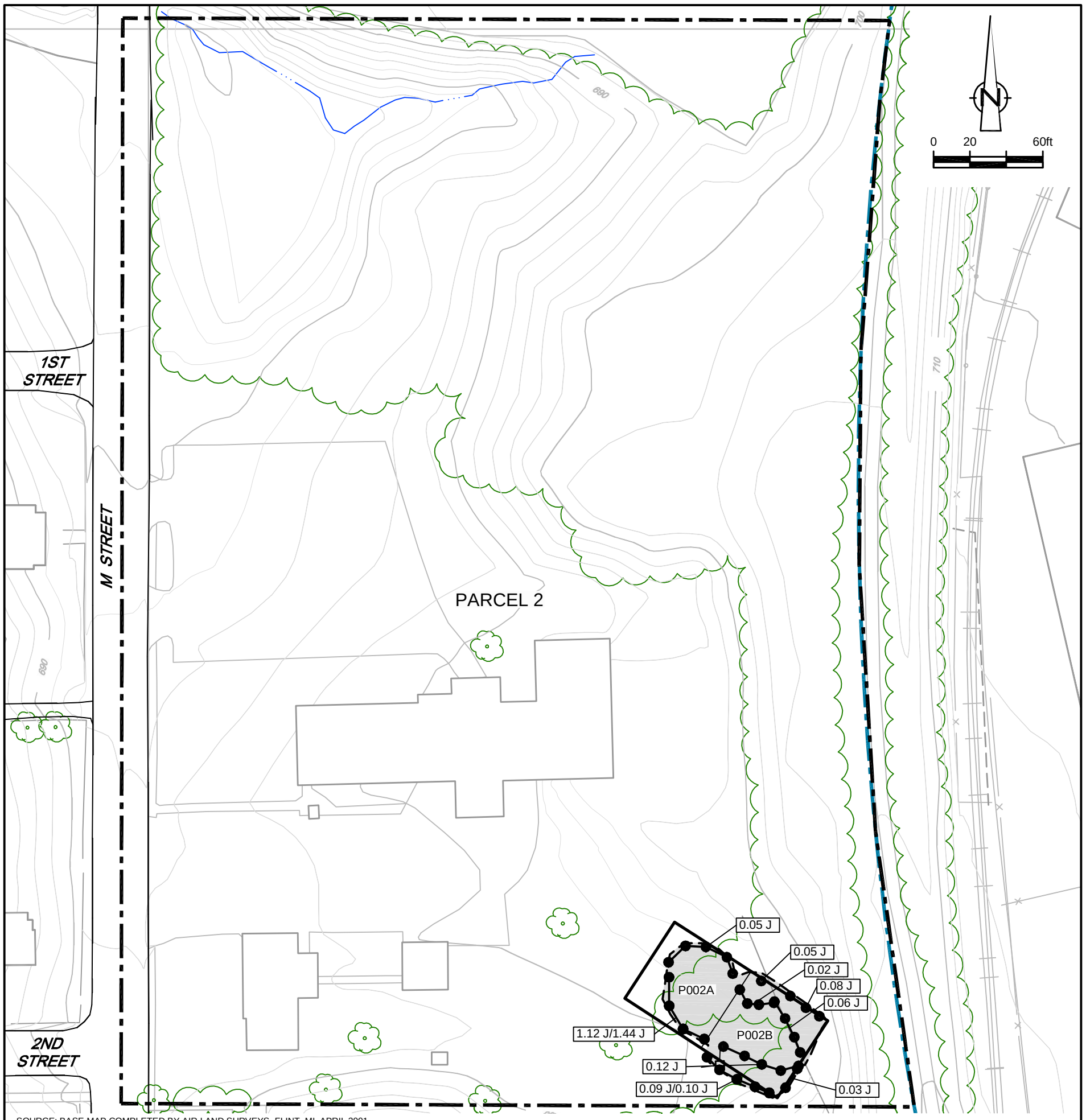
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except 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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.2.4

PARCELS 58/60 - POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(223)GN-WA014 FEB 29/2008



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

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
P002	A	0.91 J
	B	0.15 J

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P002 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.09 J/0.10 J — DUPLICATE SAMPLE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE

GENERAL NOTES:

(1). Cleanup Criteria
  a.) Soils to < 1.8 mg/kg.
  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). 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.

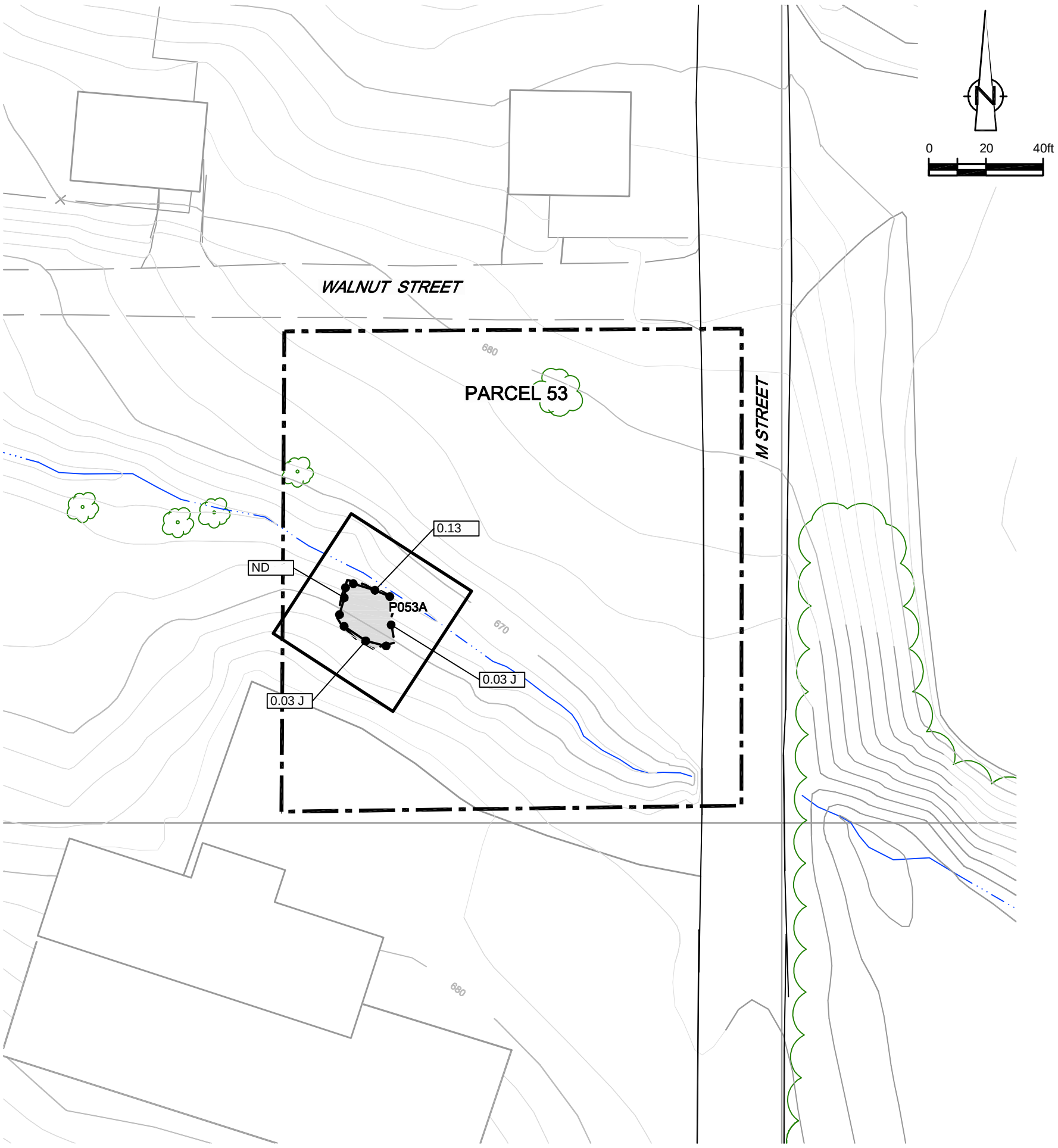
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.1

PARCEL 2 - POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(223)GN-WA016 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P053 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 1.60/0.27 — DUPLICATE SAMPLE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
P053	A	0.08

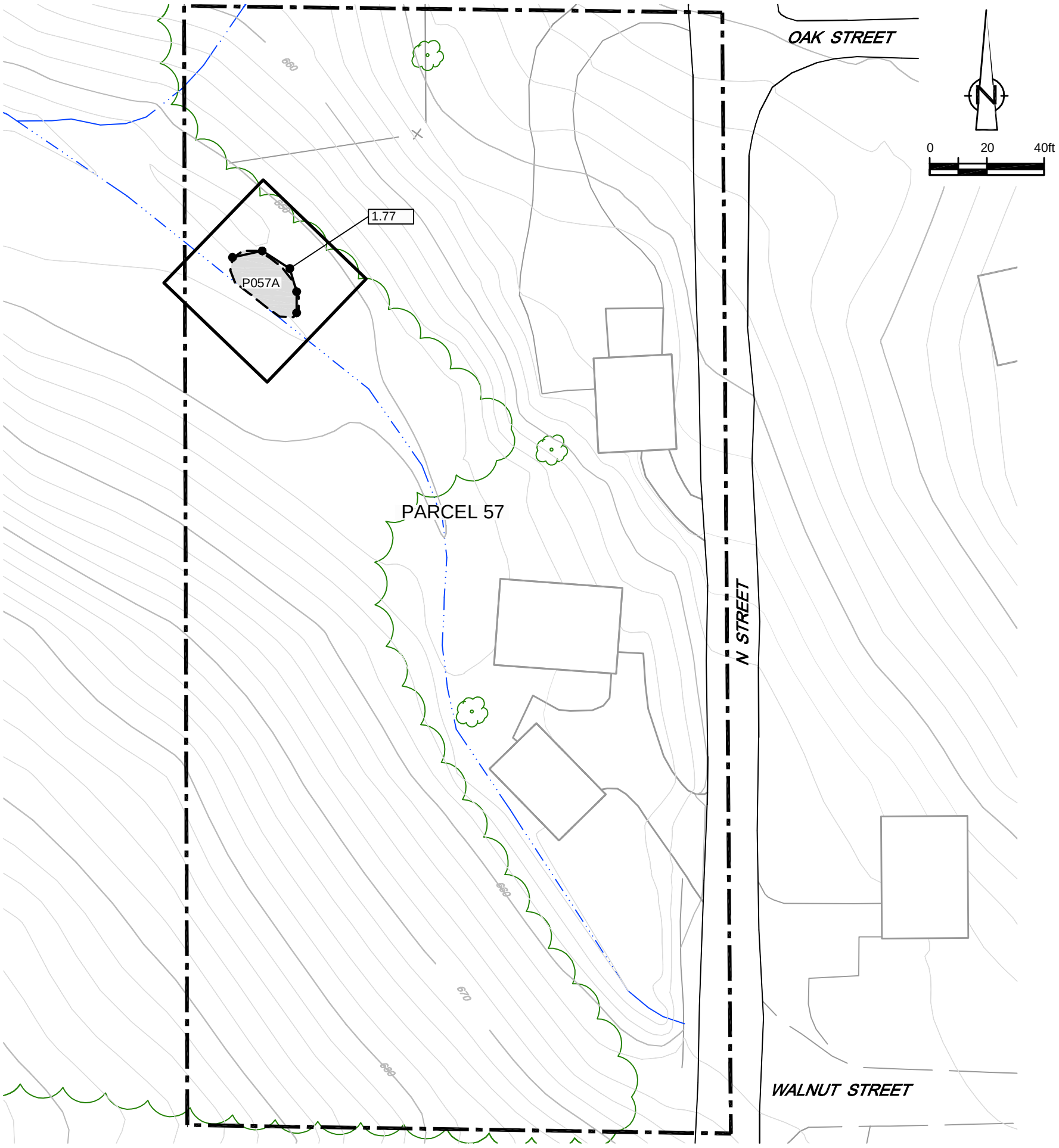
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except 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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.2

PARCEL 53 - POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA

13968-00(223)GN-WA037 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P057 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE

EXCAVATION FLOOR SAMPLE RESULTS

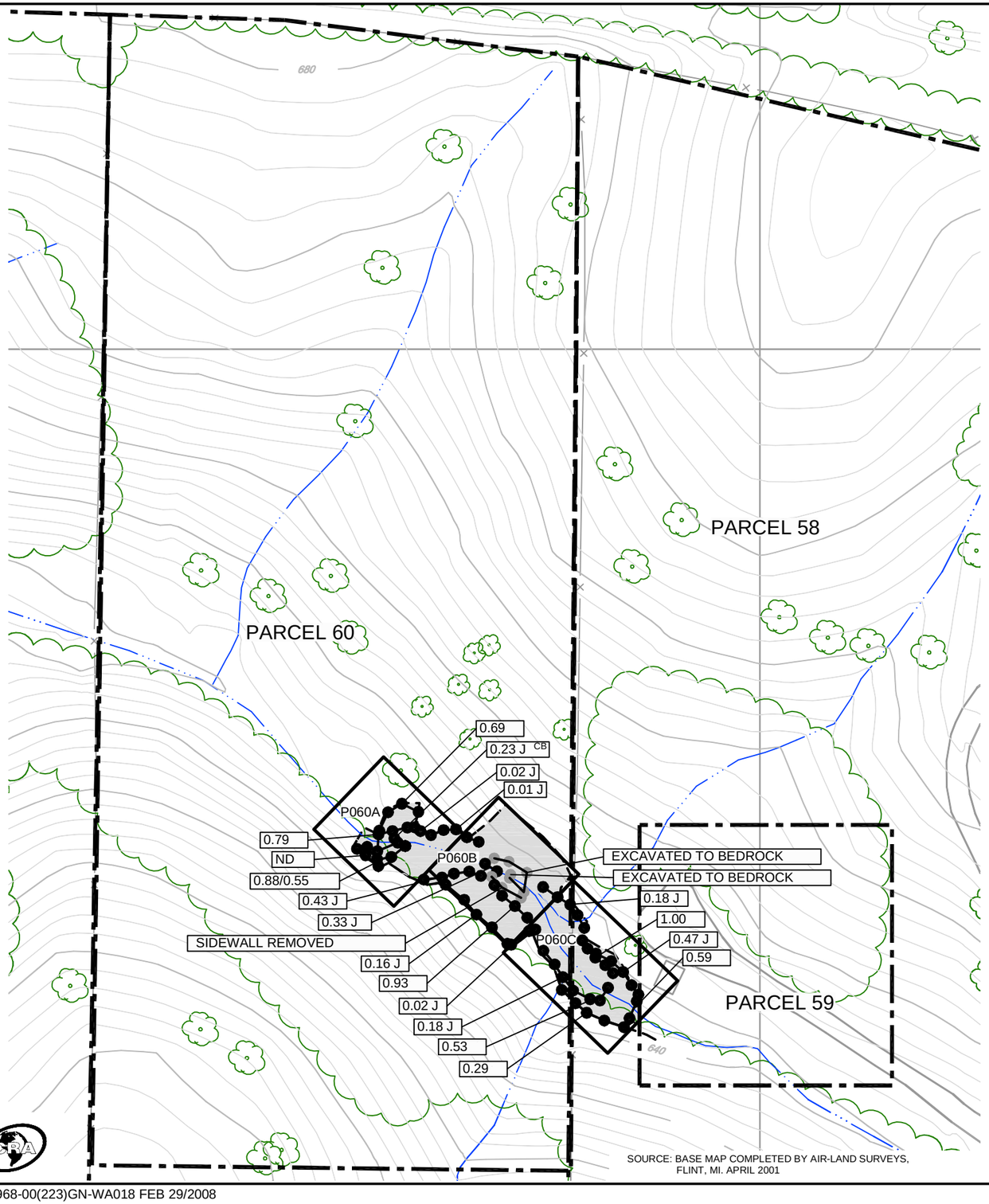
		Sampling Round
		FINAL
Verification Area	Grid	Result (mg/kg)
P057	A	0.76

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to < 1.8 mg/kg.
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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.3

PARCEL 57 - POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA017 FEB 29/2008



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

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- FINAL EXCAVATION LIMITS
- P060 — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.88/0.55 — DUPLICATE SAMPLE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE EXCAVATED TO BEDROCK
- J — ESTIMATE VALUE
- CB — CREEK BED SAMPLE

0 20 60ft

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
P060	A	ND
	B	ND
	C	0.14 J

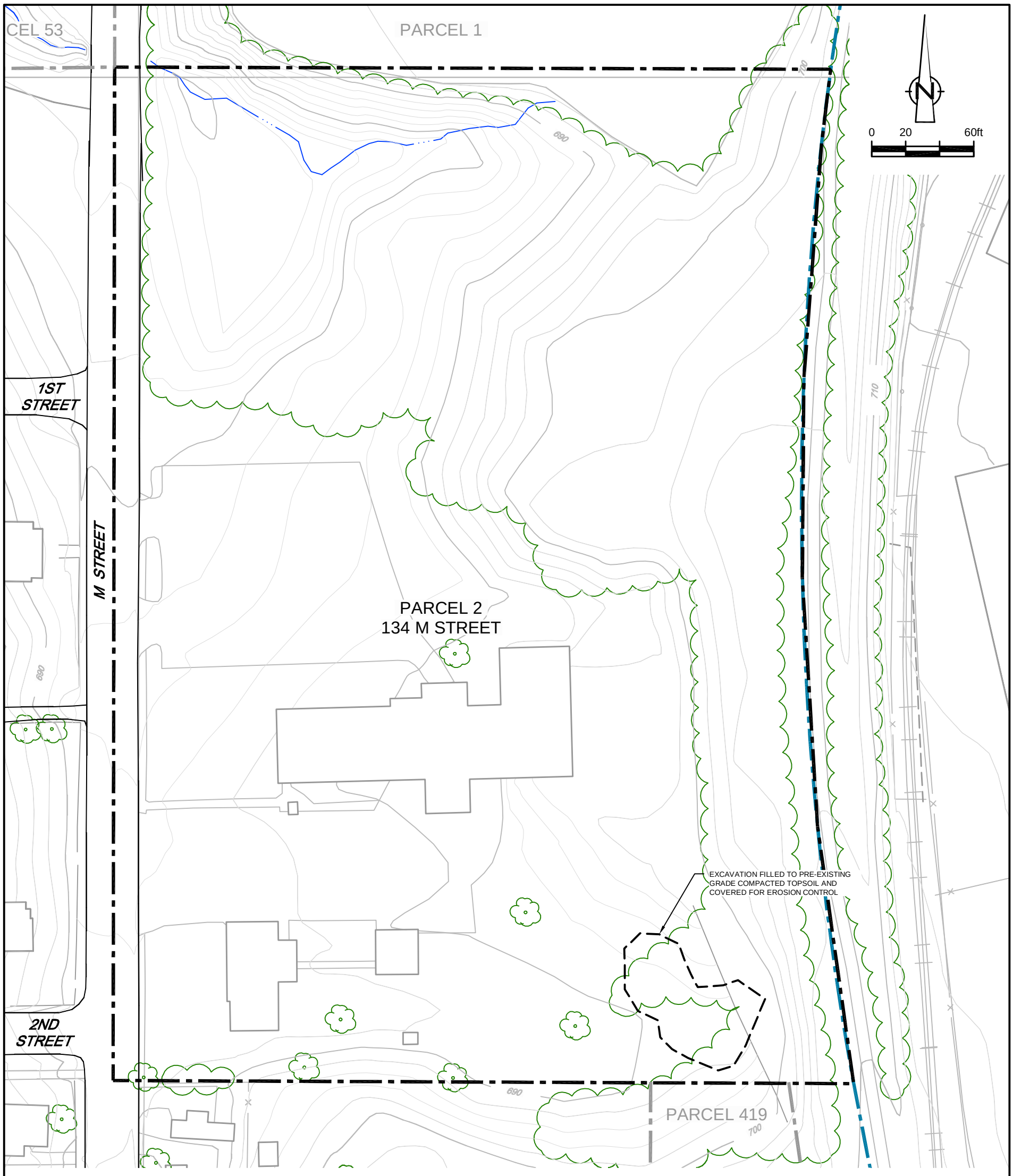
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except 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). 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.
(6). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.4

PARCELS 58/60 - POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY WESTERN TRIBUTARY INTERIM MEASURE GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(223)GN-WA018 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

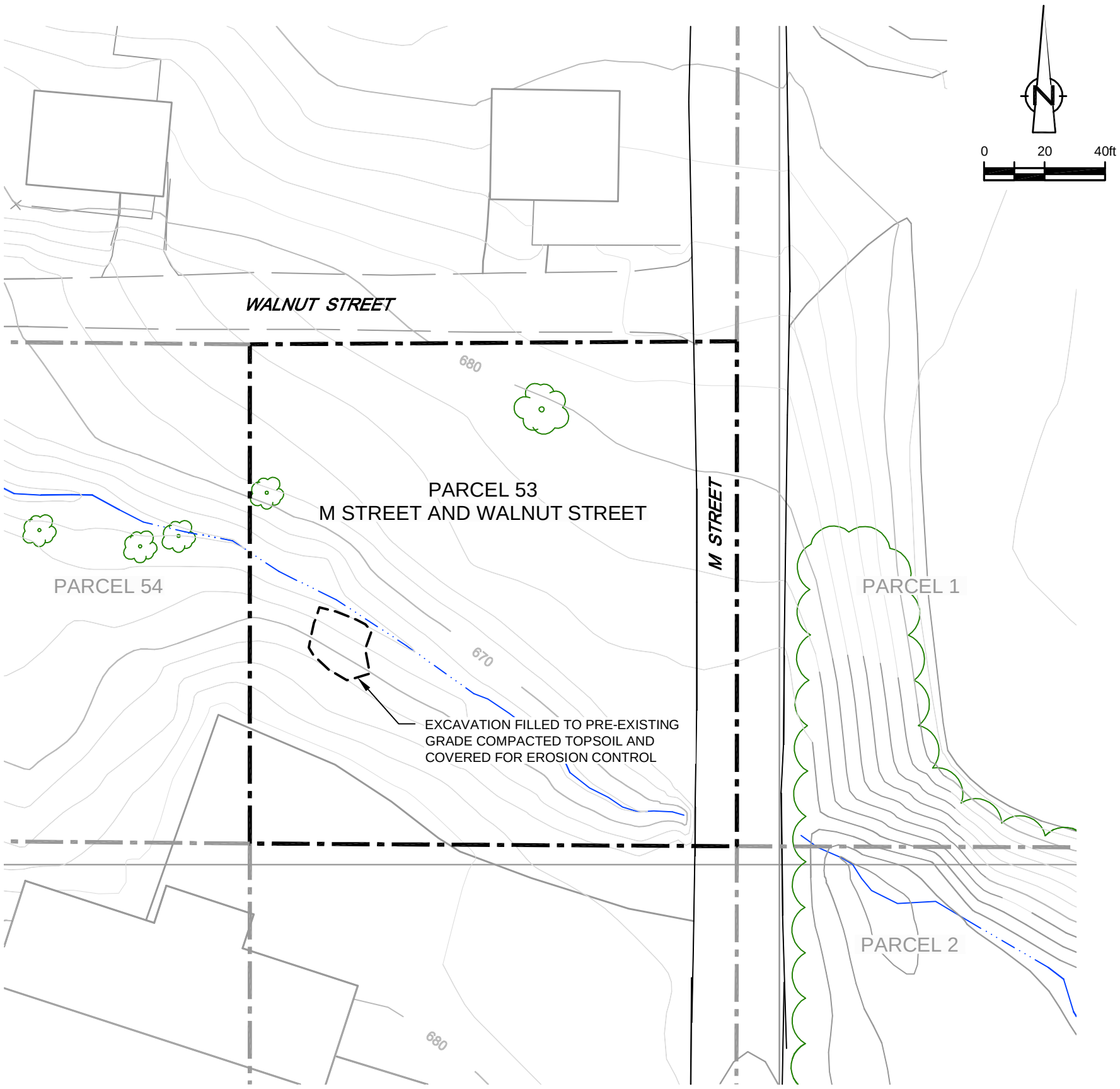
LEGEND

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

figure 4.4.1

PARCEL 2 - COMPLETED BACKFILL TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA024 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

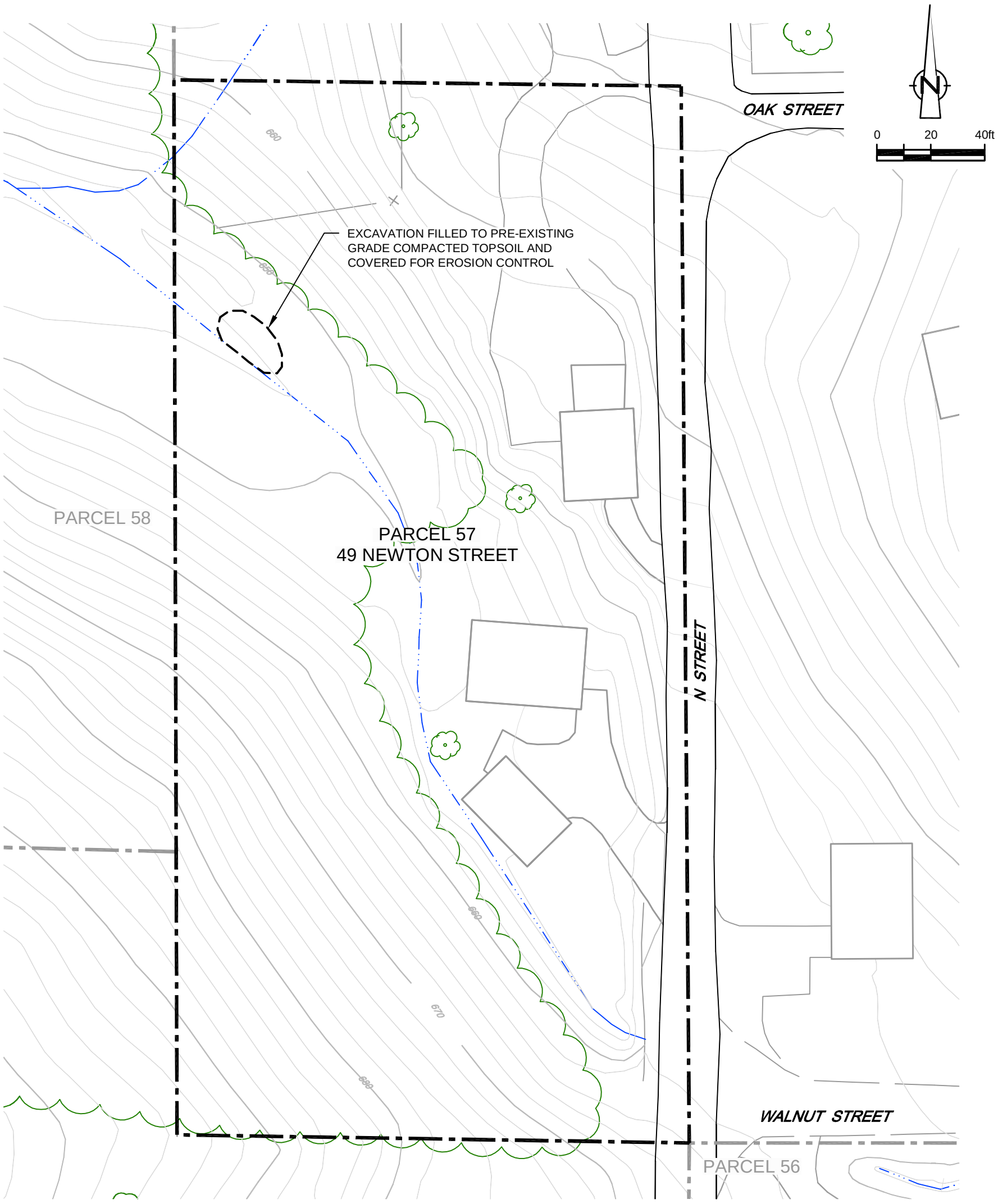
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE RESTORATION AREA

figure 4.4.2

PARCEL 53 - COMPLETED BACKFILL TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA035 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

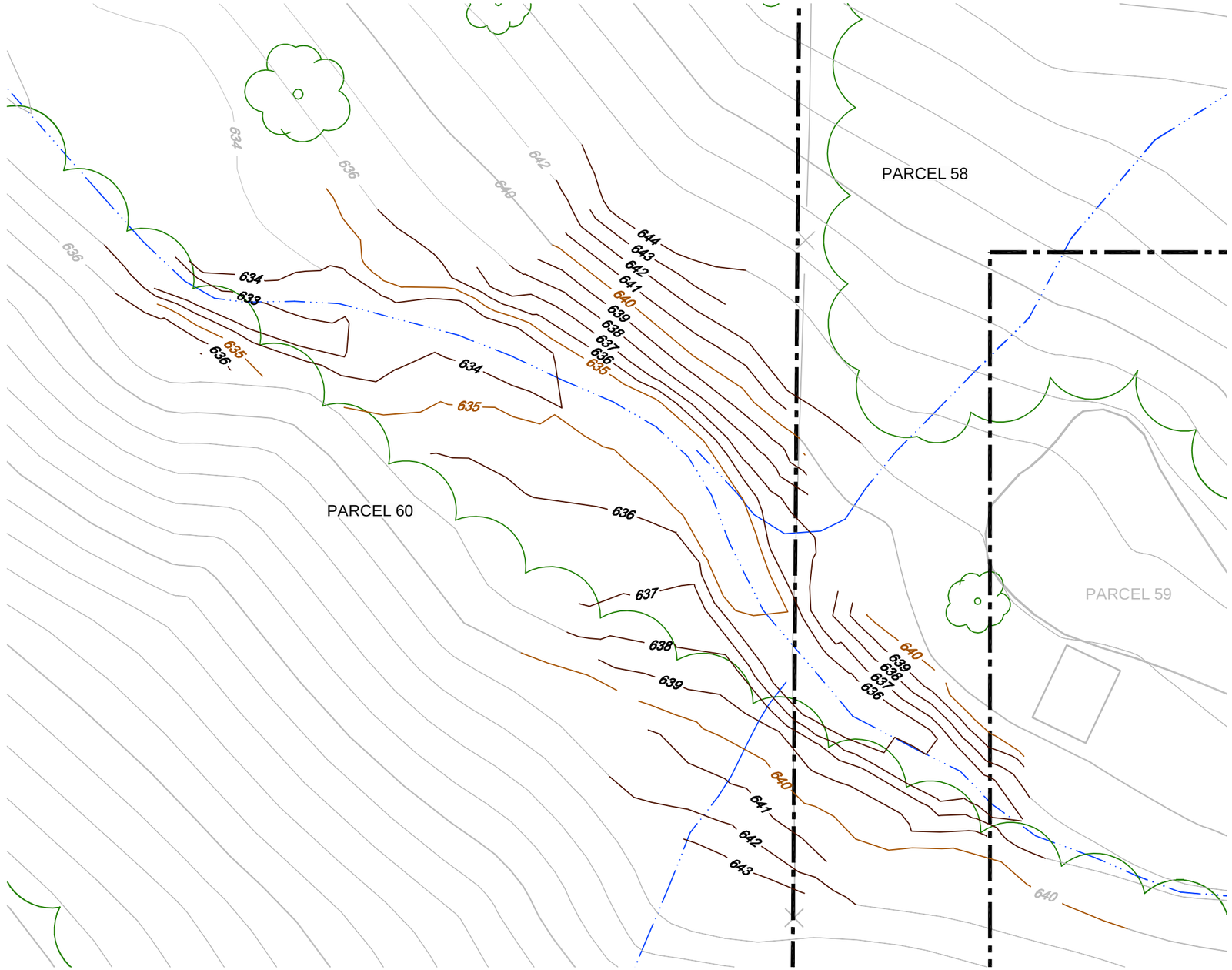
LEGEND

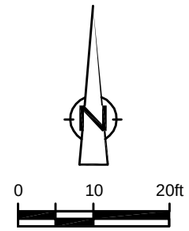
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE EXCAVATION AREA

figure 4.4.3

PARCEL 57 - COMPLETED BACKFILL TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA025 FEB 29/2008





LEGEND

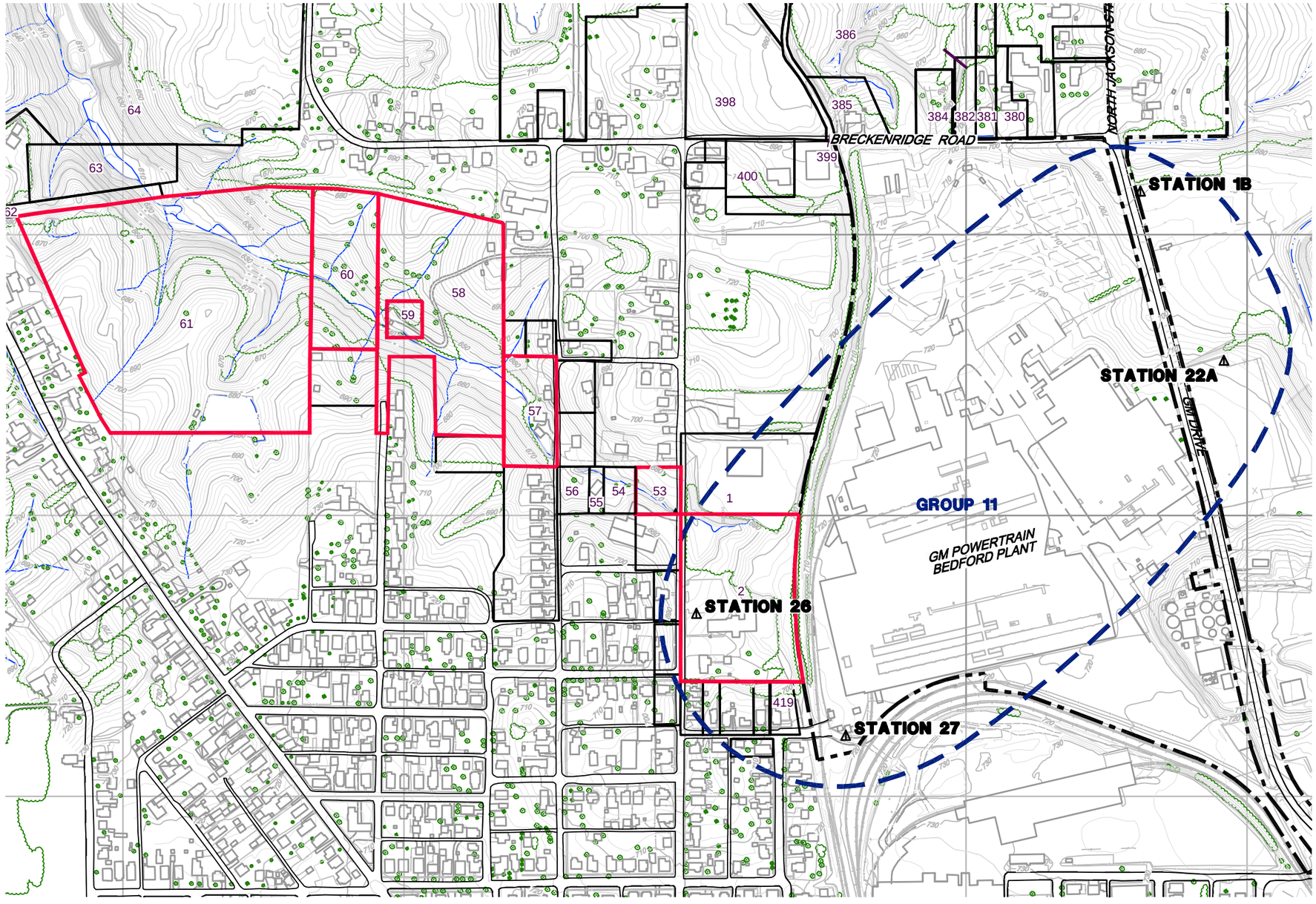
- EXISTING BUILDINGS
- EXISTING CONTOURS (610)
- UNPAVED DRIVE
- PROPERTY BOUNDARY
- APPROXIMATE CREEK CENTERLINE
- FINAL CONTOURS (640 / 639)

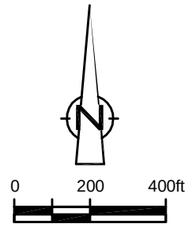
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

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

figure 4.4.4

PARCEL 58/60 - COMPLETED BACKFILL TOPOGRAPHY
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana





LEGEND

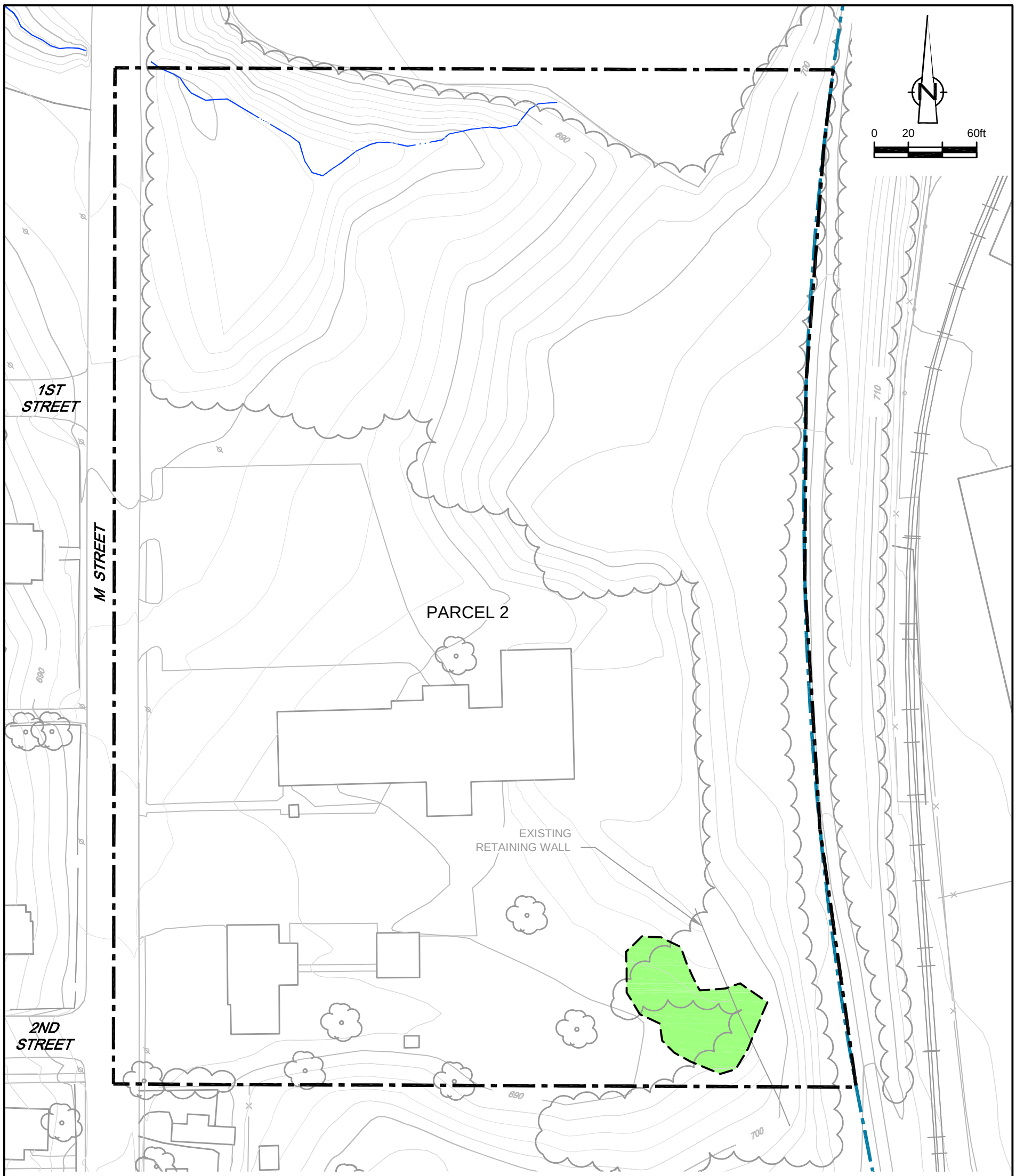
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE WESTERN TRIBUTARY PAREL BOUNDARY
- STREAMS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS
- ⚠ STATION 26 — AIR SAMPLING LOCATION
- AIR SAMPLING GROUP

SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

figure 4.5

PERIMETER AIR MONITORING LOCATIONS
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE
- RAILROAD TRACKS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- LIMIT OF DISTURBANCE
- LAWN SEED MIX

figure 5.1.1

PARCEL 2 - SITE RESTORATION
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA022 FEB 29/2008

SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

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

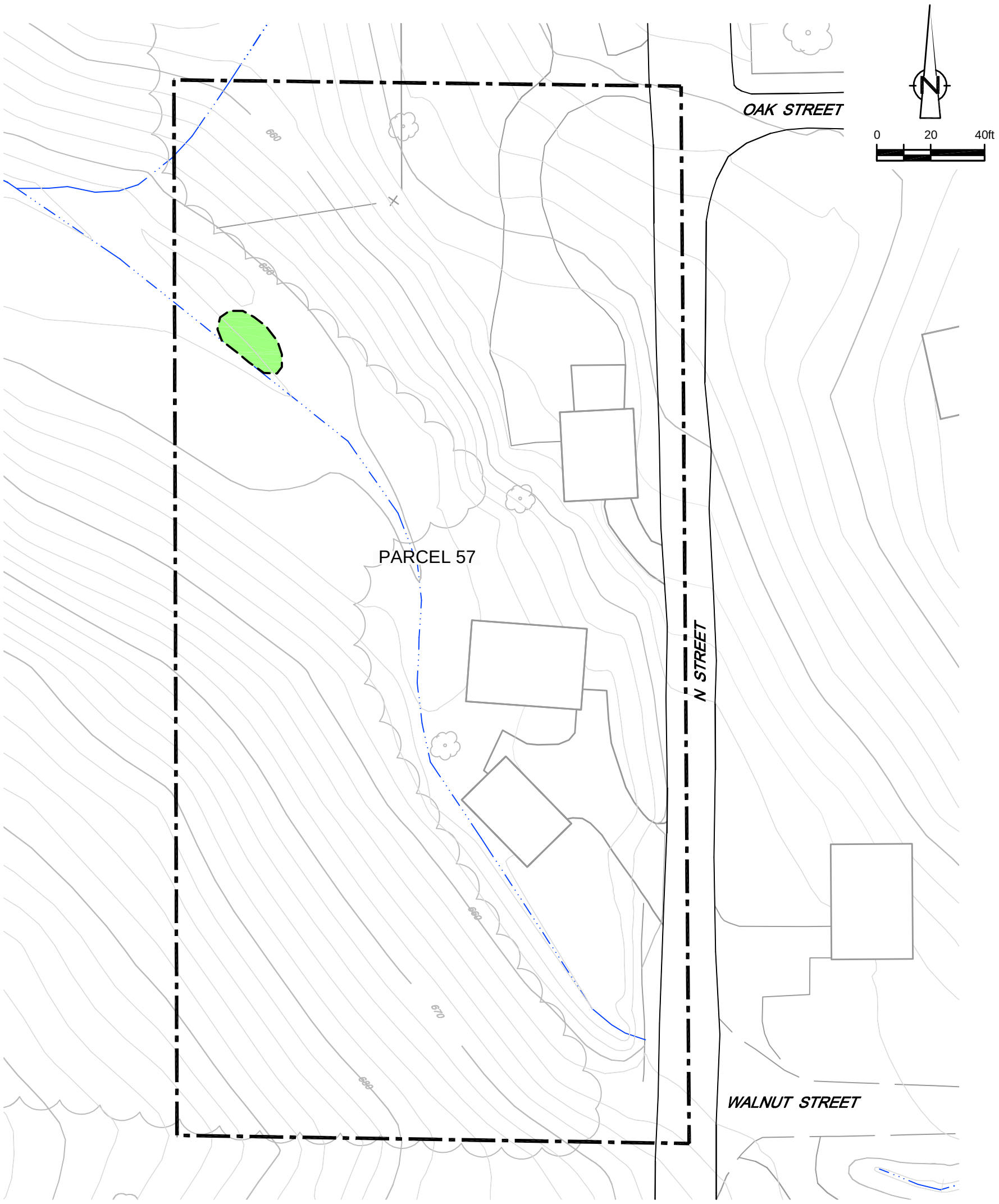
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- PARCEL 15 PROPERTY BOUNDARY
- M.H. EXISTING STORM MANHOLE
- LIMIT OF DISTURBANCE
- LAWN SEED MIX

figure 5.1.2

PARCEL 53 - SITE RESTORATION
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA039 FEB 29/2008



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

LEGEND

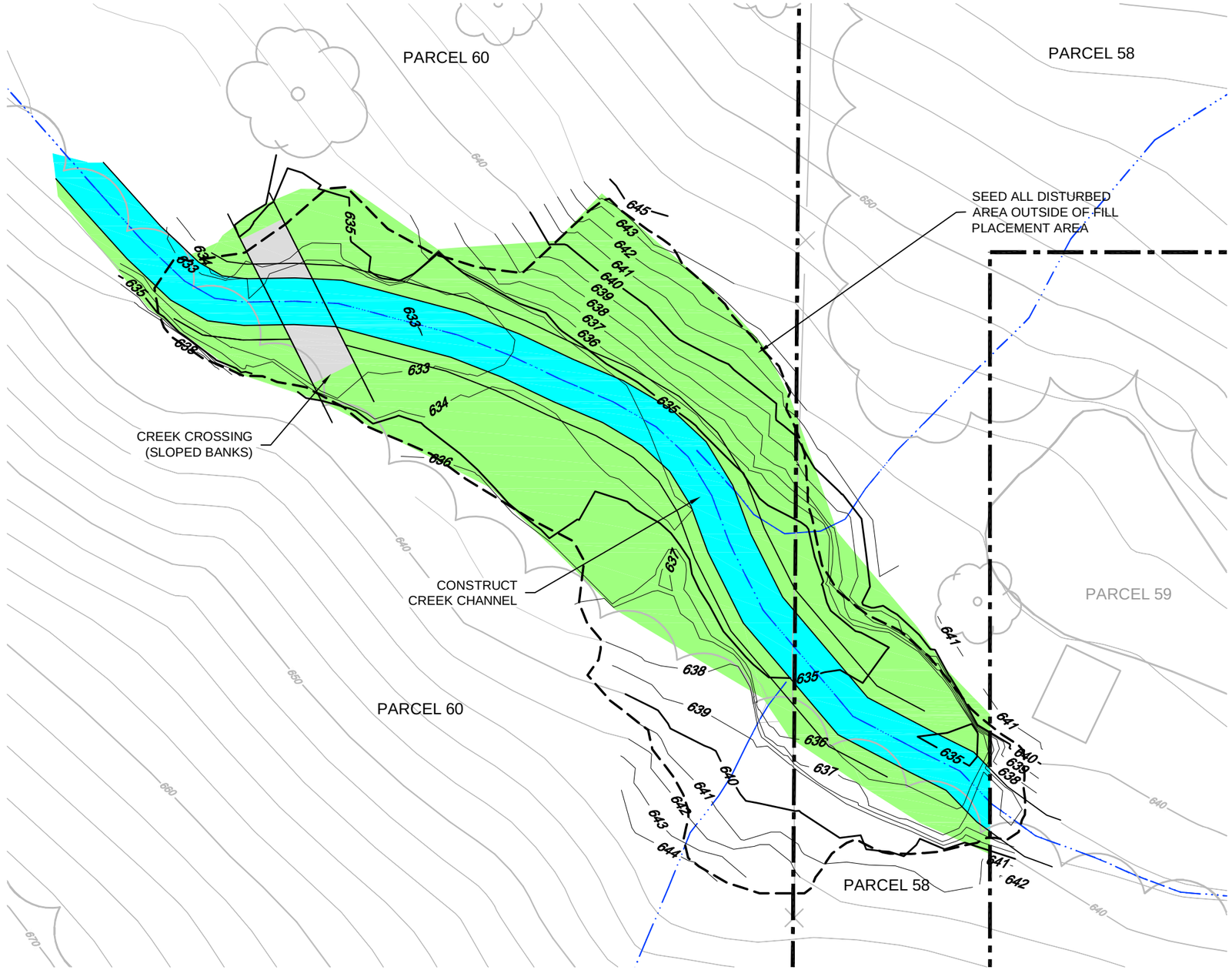
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE
- RAILROAD TRACKS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- LIMIT OF DISTURBANCE
- LAWN SEED MIX

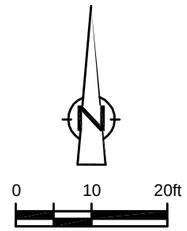
NOTE: PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 5.1.3

PARCEL 57 - SITE RESTORATION
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA023 FEB 29/2008





LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / PAVED AREAS
- APPROXIMATE CREEK CENTERLINE
- APPROXIMATE PARCEL BOUNDARY
- LIMIT OF DISTURBANCE
- CREEK CHANNEL SURFACE WATER
- CREEK CROSSING (SLOPED BANKS)
- SLOPE FOREST SEED MIX

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

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

figure 5.1.4

PARCEL 58/60 - SITE RESTORATION
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(223)GN-WA015 FEB 29/2008

TABLE 3.1.1

PARCEL 2 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*
Sample Location:		*002-1205*	*002-1206*	*002-1207*	*002-1208*	*002-1209*	*002-1209*	*002-1210*	*002-1210*	*002-1211*
Sample ID:		*S-02-030502-JW-1205*	*S-02-030502-JW-1206*	*S-02-030502-JW-1207*	*S-02-030502-JW-1208*	*S-02-030502-JW-1209*	*S-02-030502-JW-1209A*	*S-00-030502-LM-1210*	*S-00-030502-LM-1210A*	*S-00-030502-LM-1211*
Sample Date:		*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*	*3/5/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.5(ft)*	*0.5-0.83(ft)*	*0-0.33(ft)*	*0-0.33(ft) (Duplicate)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	1 U	0.23 U	0.049 U	0.047 U	0.051 U	0.042 U	0.084 U	0.068 U	0.068 U
Aroclor-1221 (PCB-1221)	mg/kg	1 U	0.23 U	0.049 U	0.047 U	0.051 U	0.042 U	0.084 U	0.068 U	0.068 U
Aroclor-1232 (PCB-1232)	mg/kg	1 U	0.23 U	0.049 U	0.047 U	0.051 U	0.042 U	0.084 U	0.068 U	0.068 U
Aroclor-1242 (PCB-1242)	mg/kg	1 U	0.23 U	0.049 U	0.047 U	0.051 U	0.042 U	0.084 U	0.068 U	0.068 U
Aroclor-1248 (PCB-1248)	mg/kg	10	1.2	0.049 U	0.047 U	0.016 J	0.042 U	0.056 J	0.08	0.11
Aroclor-1254 (PCB-1254)	mg/kg	1 U	0.23 U	0.049 U	0.047 U	0.051 U	0.042 U	0.084 U	0.068 U	0.068 U
Aroclor-1260 (PCB-1260)	mg/kg	1.3	0.17 J	0.049 U	0.047 U	0.051 U	0.042 U	0.023 J	0.038 J	0.035 J
Total PCBs	mg/kg	11.3	1.37 J	0	0	0.016 J	0	0.079 J	0.118 J	0.145 J
Total Solids	%	66.2	73.0	67.0	69.6	64.4	79.1	39.5	48.5	48.4

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.1

PARCEL 2 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*
Sample Location:		*002-1212/1213*	*002-1698*	*002-1699*	*002-1700*	*002-1701*	*002-1702*	*002-1702*	*002-1703*	*002-1704*
Sample ID:		*SD-00-030502-LM-1212*	*S-02-041202-JW-1698*	*S-02-041202-JW-1699*	*S-02-041202-JW-1700*	*S-02-041202-JW-1701*	*S-02-041202-JW-1702*	*S-02-041202-JW-1702A*	*S-02-041202-JW-1703*	*S-02-041202-JW-1704*
Sample Date:		*3/5/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*
Sample Depth:			*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft) (Duplicate)*	*0-0.33(ft)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.05 U	0.043 U	0.057 U	0.054 U	0.046 U	0.049 U	0.048 U	2.3 U	2.2 U
Aroclor-1221 (PCB-1221)	mg/kg	0.05 U	0.043 U	0.057 U	0.054 U	0.046 U	0.049 U	0.048 U	2.3 U	2.2 U
Aroclor-1232 (PCB-1232)	mg/kg	0.05 U	0.043 U	0.057 U	0.054 U	0.046 U	0.049 U	0.048 U	2.3 U	2.2 U
Aroclor-1242 (PCB-1242)	mg/kg	0.05 U	0.043 U	0.057 U	0.054 U	0.046 U	0.049 U	0.048 U	2.3 U	2.2 U
Aroclor-1248 (PCB-1248)	mg/kg	0.22	0.029 J	0.044 J	0.12 J	0.083	0.049 U	0.048 U	45	20
Aroclor-1254 (PCB-1254)	mg/kg	0.05 U	0.043 U	0.057 U	0.054 U	0.046 U	0.049 U	0.048 U	2.3 U	2.2 U
Aroclor-1260 (PCB-1260)	mg/kg	0.029 J	0.019 J	0.025 J	0.084 J	0.046 U	0.049 U	0.048 U	2.9	1.3 J
Total PCBs	mg/kg	0.249 J	0.048 J	0.069 J	0.204 J	0.083	0	0	47.9	21.3 J
Total Solids	%	66.1	75.9	58.0	61.2	71.6	67.8	68.7	71.4	73.5

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.1

PARCEL 2 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*
Sample Location:		*002-1705*	*002-1706*	*002-1707*	*002-1708*	*002-1708*	*002-1709*	*002-1710*	*002-1711*	*002-1712*
Sample ID:		*S-02-041202-JW-1705*	*S-02-041202-JW-1706*	*S-02-041202-JW-1707*	*S-02-041202-JW-1708*	*S-02-041202-JW-1708A*	*S-02-041202-JW-1709*	*S-02-041202-JW-1710*	*S-02-041202-JW-1711*	*S-02-041202-JW-1712*
Sample Date:		*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)* *(Duplicate)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.043 U
Aroclor-1221 (PCB-1221)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.043 U
Aroclor-1232 (PCB-1232)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.043 U
Aroclor-1242 (PCB-1242)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.043 U
Aroclor-1248 (PCB-1248)	mg/kg	0.017 J	0.042 J	0.17	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.074
Aroclor-1254 (PCB-1254)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.043 U
Aroclor-1260 (PCB-1260)	mg/kg	0.041 U	0.046 U	0.047 U	0.043 U	0.045 U	0.043 U	0.044 U	0.044 U	0.04 J
Total PCBs	mg/kg	0.017 J	0.042 J	0.17	0	0	0	0	0	0.114 J
Total Solids	%	79.7	71.9	69.9	76.0	73.4	76.5	74.4	75.3	76.6

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.1

PARCEL 2 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*
Sample Location:		*002-1713*	*002-1714*	*002-1716*	*002-1717*	*002-1718*	*002-1719*	*002-1720*	*002-1720*	*002-1721*
Sample ID:		*S-02-041202-JW-1713*	*S-02-041202-JW-1714*	*S-02-041202-JW-1716*	*S-02-041202-JW-1717*	*S-02-041202-JW-1718*	*S-02-041202-JW-1719*	*S-02-041202-JW-1720*	*S-02-041202-JW-1720A*	*S-02-041202-JW-1721*
Sample Date:		*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft) (Duplicate)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.058 U	0.046 U	0.045 U	0.044 U	0.041 U
Aroclor-1221 (PCB-1221)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.058 U	0.046 U	0.045 U	0.044 U	0.041 U
Aroclor-1232 (PCB-1232)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.058 U	0.046 U	0.045 U	0.044 U	0.041 U
Aroclor-1242 (PCB-1242)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.058 U	0.046 U	0.045 U	0.044 U	0.041 U
Aroclor-1248 (PCB-1248)	mg/kg	0.026 J	0.043 U	0.062	0.044 U	0.08	0.036 J	0.045 U	0.044 U	0.041 U
Aroclor-1254 (PCB-1254)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.058 U	0.046 U	0.045 U	0.044 U	0.041 U
Aroclor-1260 (PCB-1260)	mg/kg	0.047 U	0.043 U	0.044 U	0.044 U	0.041 J	0.046 U	0.045 U	0.044 U	0.041 U
Total PCBs	mg/kg	0.026 J	0	0.062	0	0.121 J	0.036 J	0	0	0
Total Solids	%	70.7	76.5	75.4	74.9	56.8	72.1	73.3	74.5	79.6

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.1

PARCEL 2 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*	*P002*
Sample Location:		*002-1722*	*002-1723*	*002-1724*	*002-1725*	*002-1715*	*SD-100701-SK-008*	*SD-100701-SK-009*	*S-100701-SK-003*	*SD-100701-SK-010*
Sample ID:		*S-02-041202-JW-1722*	*S-02-041202-JW-1723*	*S-02-041202-JW-1724*	*S-02-041202-JW-1725*	*S-02-041202-JW-1715*	*SD-100701-SK-008*	*SD-100701-SK-009*	*S-100701-SK-003*	*SD-100701-SK-010*
Sample Date:		*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*4/12/2002*	*10/7/2001*	*10/7/2001*	*10/7/2001*	*10/7/2001*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.29 U	0.12 U
Aroclor-1221 (PCB-1221)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.29 U	0.12 U
Aroclor-1232 (PCB-1232)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.29 U	0.12 U
Aroclor-1242 (PCB-1242)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.29 U	0.12 U
Aroclor-1248 (PCB-1248)	mg/kg	0.047 U	0.048 U	0.21	0.043 U	0.047 U	0.41	0.098	0.68	0.067 J
Aroclor-1254 (PCB-1254)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.29 U	0.12 U
Aroclor-1260 (PCB-1260)	mg/kg	0.047 U	0.048 U	0.054 U	0.043 U	0.047 U	0.09 U	0.051 U	0.13 J	0.12 U
Total PCBs	mg/kg	0	0	0.21	0	0	0.41	0.098	0.81 J	0.067 J
Total Solids	%	70.0	68.9	61.0	76.8	70.7	73.3	64.3	57.8	53

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.2

PARCEL 53 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*
Sample Location:		*053-21765*	*053-21766*	*053-21767*	*053-21768*	*053-21769*	*053-21770*	*053-21770*	*053-21817*	*053-21818*
Sample ID:		*S-053-021407-CH-21765*	*S-053-021407-CH-21766*	*S-053-021407-CH-21767*	*S-053-021407-CH-21768*	*S-053-021407-CH-21769*	*S-053-021407-CH-21770*	*S-053-021407-CH-21771*	*S-053-022707-CL-21817*	*S-053-022707-CL-21818*
Sample Date:		*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/27/2007*	*2/27/2007*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft) (Duplicate)*	*0-0.33(ft)*	*1-1(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Aroclor-1221 (PCB-1221)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Aroclor-1232 (PCB-1232)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Aroclor-1242 (PCB-1242)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Aroclor-1248 (PCB-1248)	mg/kg	0.044 J	0.12	0.017 J	0.27	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Aroclor-1254 (PCB-1254)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	40	0.049 U	0.05 U	22	3
Aroclor-1260 (PCB-1260)	mg/kg	0.03 J	0.024 J	0.052 U	0.033 J	2.4 U	0.049 U	0.05 U	0.88 U	0.23 U
Total PCBs	mg/kg	0.074 J	0.144 J	0.017 J	0.303 J	40	0	0	22	3
Total Solids	%	67.4	86.8	63.4	75.7	68.8	67.5	66.2	75.1	73.2

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.2

PARCEL 53 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*	*P053*
Sample Location:		*053-21819*	*053-21820*	*053-21820*	*053-21822*	*053-21823*	*053-21852*	*053-21853*	*053-21854*	*053-21855*
Sample ID:		*S-053-022707-CL-21819*	*S-053-022707-CL-21820*	*S-053-022707-CL-21821*	*S-053-022707-CL-21822*	*S-053-022707-CL-21823*	*S-053-030207-MD-21852*	*S-053-030207-MD-21853*	*S-053-030207-MD-21854*	*S-053-030207-MD-21855*
Sample Date:		*2/27/2007*	*2/27/2007*	*2/27/2007*	*2/27/2007*	*2/27/2007*	*3/2/2007*	*3/2/2007*	*3/2/2007*	*3/2/2007*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)* *(Duplicate)*	*0-0.33(ft)*	*0-0.33(ft)*	*1-1(ft)*	*2-2(ft)*	*1-1(ft)*	*2-2(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1221 (PCB-1221)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1232 (PCB-1232)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1242 (PCB-1242)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1248 (PCB-1248)	mg/kg	0.042 U	0.0099 J	0.014 J	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1254 (PCB-1254)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.13	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1260 (PCB-1260)	mg/kg	0.042 U	0.041 U	0.042 U	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Total PCBs	mg/kg	0	0.0099 J	0.014 J	0	0.13	0	0	0	0
Total Solids	%	77.8	80.0	78.5	71.1	70.2	79.7	76.8	74.6	77.6

Notes:
U - Not present at or above the associated value
J - Estimated concentration.

TABLE 3.1.3

PARCEL 57 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*
Sample Location:		*057-1159*	*057-1160*	*057-1161/1162*	*057-1161/1162*	*057-1163*	*057-1164*	*057-1164*	*057-1165/1166*	*057-1742*
Sample ID:		*S-00-030402-GS-1159*	*S-00-030402-GS-1160*	*SD-00-030402-JH-1161*	*SD-00-030402-JH-1161A*	*S-00-030402-GS-1163*	*S-00-030402-GS-1164*	*S-00-030402-GS-1164A*	*SD-00-030402-JH-1165*	*S-57-041602-GS-1742*
Sample Date:		*3/4/2002*	*3/4/2002*	*3/4/2002*	*3/4/2002*	*3/4/2002*	*3/4/2002*	*3/4/2002*	*3/4/2002*	*4/16/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*			*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*		*0-0.33(ft)*
					(Duplicate)			*(Duplicate)*		
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.043 U	0.037 U	0.04 U	0.045 U	0.21 U	0.043 U	0.042 U	0.043 U	0.23 U
Aroclor-1221 (PCB-1221)	mg/kg	0.043 U	0.037 U	0.04 U	0.045 U	0.21 U	0.043 U	0.042 U	0.043 U	0.23 U
Aroclor-1232 (PCB-1232)	mg/kg	0.043 U	0.037 U	0.04 U	0.045 U	0.21 U	0.043 U	0.042 U	0.043 U	0.23 U
Aroclor-1242 (PCB-1242)	mg/kg	0.043 U	0.037 U	0.04 U	0.045 U	0.21 U	0.043 U	0.042 U	0.043 U	0.23 U
Aroclor-1248 (PCB-1248)	mg/kg	0.12	0.038	0.31	0.37	1.9	0.02 J	0.019 J	0.3	1
Aroclor-1254 (PCB-1254)	mg/kg	0.043 U	0.037 U	0.04 U	0.045 U	0.21 U	0.043 U	0.042 U	0.043 U	0.23 U
Aroclor-1260 (PCB-1260)	mg/kg	0.034 J	0.03 J	0.04 U	0.086	0.44	0.043 U	0.042 U	0.038 J	0.3
Total PCBs	mg/kg	0.154 J	0.068 J	0.31	0.456	2.34	0.02 J	0.019 J	0.338 J	1.3
Total Solids	%	77.5	88.7	81.5	72.6	76.8	76.1	79.5	75.9	70.5

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.3

PARCEL 57 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*	*P057*
Sample Location:		*057-1743*	*057-1743*	*057-1744*	*057-1745*	*057-1746*	*057-1747*	*057-1748*	*057-1749*	*057-1750*
Sample ID:		*S-57-041602-GS-1743*	*S-57-041602-GS-1743A*	*S-57-041602-GS-1744*	*S-57-041602-GS-1745*	*S-57-041602-GS-1746*	*S-57-041602-GS-1747*	*S-57-041602-GS-1748*	*S-57-041602-GS-1749*	*S-57-041602-GS-1750*
Sample Date:		*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*	*4/16/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)* *(Duplicate)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*
Parameters	***Units***									
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.051 U	0.096 U	0.05 U	0.086 U	0.043 U	0.043 U	0.042 U	0.043 U	0.043 U
Aroclor-1221 (PCB-1221)	mg/kg	0.051 U	0.096 U	0.05 U	0.086 U	0.043 U	0.043 U	0.042 U	0.043 U	0.043 U
Aroclor-1232 (PCB-1232)	mg/kg	0.051 U	0.096 U	0.05 U	0.086 U	0.043 U	0.043 U	0.042 U	0.043 U	0.043 U
Aroclor-1242 (PCB-1242)	mg/kg	0.051 U	0.096 U	0.05 U	0.086 U	0.043 U	0.043 U	0.042 U	0.043 U	0.043 U
Aroclor-1248 (PCB-1248)	mg/kg	0.31	0.75	0.21	0.81	0.043 U	0.42	0.042 U	0.18	0.21
Aroclor-1254 (PCB-1254)	mg/kg	0.051 U	0.096 U	0.05 U	0.086 U	0.043 U	0.043 U	0.042 U	0.043 U	0.043 U
Aroclor-1260 (PCB-1260)	mg/kg	0.085	0.19	0.05 U	0.23	0.043 U	0.14	0.042 U	0.086	0.08
Total PCBs	mg/kg	0.395	0.94	0.21	1.04	0	0.56	0	0.266	0.29
Total Solids	%	65.1	68.5	66.0	77.0	77.3	77.5	78.9	76.3	76.8

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.4

PARCEL 58 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P058*	*P058*	*P058*
Sample Location:		*058-1167*	*058-1168*	*058-1169/1170*
Sample ID:		*S-00-030402-GS-1167*	*S-00-030402-GS-1168*	*SD-00-030402-JH-1169*
Sample Date:		*3/4/2002*	*3/4/2002*	*3/4/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*	
Parameters	***Units***			
PCBs				
Aroclor-1016 (PCB-1016)	mg/kg	0.045 U	0.053 U	0.047 U
Aroclor-1221 (PCB-1221)	mg/kg	0.045 U	0.053 U	0.047 U
Aroclor-1232 (PCB-1232)	mg/kg	0.045 U	0.053 U	0.047 U
Aroclor-1242 (PCB-1242)	mg/kg	0.045 U	0.053 U	0.047 U
Aroclor-1248 (PCB-1248)	mg/kg	0.12	0.053 U	0.27
Aroclor-1254 (PCB-1254)	mg/kg	0.045 U	0.053 U	0.047 U
Aroclor-1260 (PCB-1260)	mg/kg	0.045 U	0.053 U	0.052
Total PCBs	mg/kg	0.12	0	0.322
Total Solids	%	73.4	62.5	70.8

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 3.1.5

PARCEL 60/61 SUMMARY OF INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Sample Area:		*P060*	*P060*	*P060*	*P060*	*P060*	*P060 P061*	*P060 P061*	*P061*	*P061*	*P061*
Sample Location:		*060-1171*	*060-1172*	*060-1173/1174*	*2196*	*2197*	*2195*	*2195*	*061-1175*	*061-1176*	*061-1177/1178*
Sample ID:		*S-00-030402-GS-1171*	*S-00-030402-GS-1172*	*SD-00-030402-JH-1173*	*SD-042403-LM-2196*	*SD-042403-LM-2197*	*SD-042403-LM-2195*	*SD-042403-LM-2195A*	*S-00-030402-GS-1175*	*S-00-030402-GS-1176*	*SD-00-030402-JH-1177*
Sample Date:		*3/4/2002*	*3/4/2002*	*3/4/2002*	*4/24/2003*	*4/24/2003*	*4/24/2003*	*4/24/2003*	*3/4/2002*	*3/4/2002*	*3/4/2002*
Sample Depth:		*0-0.33(ft)*	*0-0.33(ft)*		*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft)*	*0-0.33(ft) (Duplicate)*	*0-0.33(ft)*	*0-0.33(ft)*	
Parameters	***Units***										
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	0.046 U	0.044 U	0.092 U	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.045 U
Aroclor-1221 (PCB-1221)	mg/kg	0.046 U	0.044 U	0.092 U	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.045 U
Aroclor-1232 (PCB-1232)	mg/kg	0.046 U	0.044 U	0.092 U	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.045 U
Aroclor-1242 (PCB-1242)	mg/kg	0.046 U	0.044 U	0.092 U	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.045 U
Aroclor-1248 (PCB-1248)	mg/kg	0.089	0.47	1.2	0.29	1.1	7.5	7.4	0.027 J	0.02 J	0.33
Aroclor-1254 (PCB-1254)	mg/kg	0.046 U	0.044 U	0.092 U	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.045 U
Aroclor-1260 (PCB-1260)	mg/kg	0.024 J	0.14	0.07 J	0.21 U	0.27 U	0.56 U	0.63 U	0.045 U	0.048 U	0.06
Total PCBs	mg/kg	0.113 J	0.61	1.27 J	0.29	1.1	7.5	7.4	0.027 J	0.02 J	0.39
Total Solids	%	71.7	74.8	72.0	77.5	61.4	59.5	52.1	73.8	68.9	72.7

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.

TABLE 4.1

EXCAVATION SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel	*Excavated Volume* [1]	*Excavated Tonnage* [1][2]	*Estimated Tonnage of Soil Removed* [3]			*Backfill Tonnage* [4]
	(cubic yards)	*(tons)*	*< 50 mg/kg*	*> 50 mg/kg*	*Total*	
2	158	221.20	408.92	0	408.9	315.1
53	3.08	4.31	-	5	9.7	7.0
57	6.38	8.93	-	-	NA	8.9
58	335	469.00	322	0	322.2	395.6
60/61	135	189.00	130	0	129.9	159.4
TOTALS	637	892			870.7	886

Notes:
1. Volumes/tonnage calculated using AutoCAD LandDesktop®.
2. Used conversion of 1 cubic yard = 1.4 tons in tonnage conversion tons
3. Tonnages based on weigh-scale tickets.
4. Backfill Volume is an average of the two tonnage calculation methods.

NA - Not Available. No scale tickets completed

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P002*		*P002*		*P002*		*P002*		*P002*		*P002*		*P002*	
Sample Location		*002-12106*		*002-12107*		*002-12108*		*002-12109*		*002-12110*		*002-12110*		*002-12112*	
Sample Identification		*S-002-020706-AH-12106*		*S-002-020706-AH-12107*		*S-002-020706-AH-12108*		*S-002-020706-AH-12109*		*S-002-020706-AH-12110*		*S-002-020706-AH-12111*		*S-002-020706-AH-12112*	
Sample Date		*2/7/2006*		*2/7/2006*		*2/7/2006*		*2/7/2006*		*2/7/2006*		*2/7/2006*		*2/7/2006*	
Sample Depth		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type												*Duplicate*			
Sample Delivery Group		*A6B07335*		*A6B07335*		*A6B07335*		*A6B07335*		*A6B07335*		*A6B07335*		*A6B07335*	
Excavated Status		*Final*		*Final*		*Excavated*		*Final*		*Final*		*Final*		*Final*	
	Units														
PCBs															
Aroclor-1016 (PCB-1016)	mg/kg	0.044 U		0.041 U		0.43 U		0.04 U		0.041 U		0.042 U		0.043 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.044 U		0.041 U		0.43 U		0.04 U		0.041 U		0.042 U		0.043 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.044 U		0.041 U		0.43 U		0.04 U		0.041 U		0.042 U		0.043 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.044 U		0.041 U		0.43 U		0.04 U		0.041 U		0.042 U		0.043 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.047 J	LCS	0.024 J	LCS	3.4 J	LCS	0.12 J	LCS	1 J	LCS	1.3 J	LCS	0.82 J	LCS
Aroclor-1254 (PCB-1254)	mg/kg	0.044 U		0.041 U		0.43 U		0.04 U		0.041 U		0.042 U		0.043 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.044 U		0.041 U		0.25 J		0.04 U		0.12		0.14		0.093	
Total PCBs	mg/kg	0.047 J	LCS	0.024 J	LCS	3.65 J	LCS	0.12 J	LCS	1.12 J	LCS	1.44 J	LCS	0.913 J	LCS
Wet															
Total Solids	%	74.7		80.8		76.4		81.9		79.7		79.4		77.1	
QC Summary		Minor Issues		Minor Issues		Minor Issues		Minor Issues		Minor Issues		Minor Issues		Minor Issues	

Notes:

U - Not present at or above the associated value.
J - Estimated concentration.
LCS - Laboratory control sample percent recovery violation.
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision violation.

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P002*		*P002*		*P002*		*P002*		*P002*		*P002*		*P002*	
Sample Location		*002-12113*		*002-12114*		*002-12115*		*002-12116*		*002-12117*		*002-12118*		*002-12119*	
Sample Identification		*S-002-020706-AH-12113*		*S-002-021306-KH-12114*		*S-002-021306-KH-12115*		*S-002-021306-KH-12116*		*S-002-021306-KH-12117*		*S-002-021306-KH-12118*		*S-002-021306-KH-12119*	
Sample Date		*2/7/2006*		*2/13/2006*		*2/13/2006*		*2/13/2006*		*2/13/2006*		*2/13/2006*		*2/13/2006*	
Sample Depth		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type															
Sample Delivery Group		*A6B07335*		*A6B13187*		*A6B13187*		*A6B13187*		*A6B13187*		*A6B13187*		*A6B13187*	
Excavated Status		*Excavated*		*Final*		*Final*		*Final*		*Final*		*Final*		*Final*	
	Units														
PCBs															
Aroclor-1016 (PCB-1016)	mg/kg	0.051 U		0.042 U		0.039 U		0.041 U		0.039 U		0.041 U		0.042 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.051 U		0.042 U		0.039 U		0.041 U		0.039 U		0.041 U		0.042 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.051 U		0.042 U		0.039 U		0.041 U		0.039 U		0.041 U		0.042 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.051 U		0.042 U		0.039 U		0.041 U		0.039 U		0.041 U		0.042 U	
Aroclor-1248 (PCB-1248)	mg/kg	1.8 J	LCS	0.12		0.03 J	BRL	0.045		0.043		0.031 J	BRL	0.066	
Aroclor-1254 (PCB-1254)	mg/kg	0.051 U		0.042 U		0.039 U		0.041 U		0.039 U		0.041 U		0.042 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.2		0.03 J	BRL	0.016 J	BRL	0.034 J	BRL	0.013 J	BRL	0.041 U		0.02 J	BRL
Total PCBs	mg/kg	2 J	LCS	0.15 J	BRL	0.046 J	BRL	0.079 J	BRL	0.056 J	BRL	0.031 J	BRL	0.086 J	BRL
Wet															
Total Solids	%	65.3		79.2		85.4		80.4		84.4		79.6		77.7	
QC Summary		Minor Issues		No Issues		No Issues		No Issues		No Issues		No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P002*		*P053*		*P053*		*P053*		*P053*		*P053*		*P053*
Sample Location		*002-12119*		*053-12499*		*053-12500*		*053-12500*		*053-12502*		*053-12507*		*053-12508*
Sample Identification		*S-002-021306-KH-12120*		*S-053-061207-AH-12499*		*S-053-061207-AH-12500*		*S-053-061207-AH-12501*		*S-053-061207-AH-12502*		*S-053-062607-KH-12507*		*S-053-062607-KH-12508*
Sample Date		*2/13/2006*		*6/12/2007*		*6/12/2007*		*6/12/2007*		*6/12/2007*		*6/26/2007*		*6/26/2007*
Sample Depth		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*
Sample Type		*Duplicate*						*Duplicate*						
Sample Delivery Group		*A6B13187*		*A7F12323*		*A7F12323*		*A7F12323*		*A7F12323*		*A7F26282*		*A7F26282*
Excavated Status		*Final*		*Excavated*		*Excavated*		*Excavated*		*Excavated*		*Final*		*Final*
	Units													
PCBs														
Aroclor-1016 (PCB-1016)	mg/kg	0.042 U		0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Aroclor-1221 (PCB-1221)	mg/kg	0.042 U		0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Aroclor-1232 (PCB-1232)	mg/kg	0.042 U		0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Aroclor-1242 (PCB-1242)	mg/kg	0.042 U		0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Aroclor-1248 (PCB-1248)	mg/kg	0.073		0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Aroclor-1254 (PCB-1254)	mg/kg	0.042 U		8.6		1.6 J	FDP	0.27 J	FDP	0.27		0.043 U		0.13
Aroclor-1260 (PCB-1260)	mg/kg	0.023 J	BRL	0.37 U		0.079 U		0.039 U		0.04 U		0.043 U		0.041 U
Total PCBs	mg/kg	0.096 J	BRL	8.6		1.6 J	FDP	0.27 J	FDP	0.27		0		0.13
Wet														
Total Solids	%	79.1		88.2		83.0		85.2		81.8		76.6		79.9
QC Summary		No Issues		No Issues		Minor Issues		Minor Issues		No Issues		No Issues		No Issues

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P057*	*P057*	*P057*	*P058*	*P058*		*P058*		*P058*	
Sample Location		*057-12240*	*057-12241*	*057-12253*	*058-12395*	*058-12402*		*058-12403*		*058-12475*	
Sample Identification		*S-057-041106-KH-12240*	*S-057-041106-KH-12241*	*S-057-041306-KH-12253*	*S-058-100406-AH-12395*	*S-058-100406-AH-12402*		*S-058-100406-AH-12403*		*S-058-110106-AH-12475*	
Sample Date		*4/11/2006*	*4/11/2006*	*4/13/2006*	*10/4/2006*	*10/4/2006*		*10/4/2006*		*11/1/2006*	
Sample Depth		*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type											
Sample Delivery Group		*A6D11342*	*A6D11342*	*A6D13349*	*A6J04342*	*A6J04342*		*A6J04342*		*A6K01295*	
Excavated Status		*Final*	*Excavated*	*Final*	*Final*	*Final*		*Final*		*Final*	
	Units										
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	0.047 U	0.045 U	0.22 U	0.041 U	0.043 U		0.045 U		0.042 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.047 U	0.045 U	0.22 U	0.041 U	0.043 U		0.045 U		0.042 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.047 U	0.045 U	0.22 U	0.041 U	0.043 U		0.045 U		0.042 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.047 U	0.045 U	0.22 U	0.041 U	0.043 U		0.045 U		0.042 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.63	1.6	1.5	0.9	0.16		0.47		0.44	
Aroclor-1254 (PCB-1254)	mg/kg	0.047 U	0.045 U	0.22 U	0.041 U	0.043 U		0.045 U		0.042 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.13	0.27	0.27	0.096	0.019 J	BRL	0.062		0.027 J	BRL
Total PCBs	mg/kg	0.76	1.87	1.77	0.996	0.179 J	BRL	0.532		0.467 J	BRL
Wet											
Total Solids	%	70.5	73.3	73.9	79.7	76.4		74.1		78.6	
QC Summary		No Issues	No Issues	No Issues	No Issues	No Issues		No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision v

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P058*	*P058*	*P058*	*P060*	*P060*		*P060*		*P060*	
Sample Location		*058-12476*	*058-12477*	*058-12485*	*060-12369*	*060-12370*		*060-12370*		*060-12372*	
Sample Identification		*S-058-110106-AH-12476*	*S-058-110106-AH-12477*	*S-058-110306-AH-12485*	*S-060-062806-AH-12369*	*S-060-062806-AH-12370*		*S-060-062806-AH-12371*		*S-060-062806-AH-12372*	
Sample Date		*11/1/2006*	*11/1/2006*	*11/3/2006*	*6/28/2006*	*6/28/2006*		*6/28/2006*		*6/28/2006*	
Sample Depth		*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type								*Duplicate*			
Sample Delivery Group		*A6K01295*	*A6K01295*	*A6K03349*	*A6F28330*	*A6F28330*		*A6F28330*		*A6F28330*	
Excavated Status		*Final*	*Excavated*	*Final*							
	Units										
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	0.039 U	0.23 U	0.042 U	0.039 U	0.042 U		0.043 U		0.048 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.039 U	0.23 U	0.042 U	0.039 U	0.042 U		0.043 U		0.048 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.039 U	0.23 U	0.042 U	0.039 U	0.042 U		0.043 U		0.048 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.039 U	0.23 U	0.042 U	0.039 U	0.042 U		0.043 U		0.048 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.5	2.6	0.23	0.57	0.73		0.49		0.2	
Aroclor-1254 (PCB-1254)	mg/kg	0.039 U	0.23 U	0.042 U	0.039 U	0.042 U		0.043 U		0.048 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.086	0.32	0.056	0.12	0.15 J	FDP	0.058 J	FDP	0.034 J	BRL
Total PCBs	mg/kg	0.586	2.92	0.286	0.69	0.88 J	FDP	0.548 J	FDP	0.234 J	BRL
Wet											
Total Solids	%	84.7	70.9	78.5	85.0	78.6		76.6		68.3	
QC Summary		No Issues	No Issues	No Issues	No Issues	No Issues		No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P060*		*P060*		*P060*		*P060*		*P060*		*P060*		*P060*	
Sample Location		*060-12373*		*060-12374*		*060-12375*		*060-12376*		*060-12377*		*060-12378*		*060-12379*	
Sample Identification		*S-060-062806-AH-12373*		*S-060-062806-AH-12374*		*S-060-062806-AH-12375*		*S-060-062806-AH-12376*		*S-060-062806-AH-12377*		*S-060-062806-AH-12378*		*S-060-062806-AH-12379*	
Sample Date		*6/28/2006*		*6/28/2006*		*6/28/2006*		*6/28/2006*		*6/28/2006*		*6/28/2006*		*6/28/2006*	
Sample Depth		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type															
Sample Delivery Group		*A6F28330*		*A6F28330*		*A6F28330*		*A6F28330*		*A6F28330*		*A6F28330*		*A6F28330*	
Excavated Status		*Excavated*				*Excavated*		*Excavated*							
	Units														
PCBs															
Aroclor-1016 (PCB-1016)	mg/kg	0.21 U		0.04 U		0.93 U		0.42 U		0.05 U		0.22 U		0.043 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.21 U		0.04 U		0.93 U		0.42 U		0.05 U		0.22 U		0.043 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.21 U		0.04 U		0.93 U		0.42 U		0.05 U		0.22 U		0.043 U	
Aroclor-1242 (PCB-1242)	mg/kg	3.1		0.04 U		0.93 U		0.42 U		0.05 U		0.22 U		0.043 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.21 U		0.3		11		4.3		0.02 J	BRL	2.2		0.69	
Aroclor-1254 (PCB-1254)	mg/kg	0.21 U		0.04 U		0.93 U		0.42 U		0.05 U		0.22 U		0.043 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.092 J	BRL	0.027 J	BRL	0.44 J	BRL	0.32 J	BRL	0.05 U		0.13 J	BRL	0.1	
Total PCBs	mg/kg	3.192 J	BRL	0.327 J	BRL	11.44 J	BRL	4.62 J	BRL	0.02 J	BRL	2.33 J	BRL	0.79	
Wet															
Total Solids	%	79.1		83.3		70.9		79.1		65.8		74.4		77.5	
QC Summary		No Issues		No Issues		No Issues		No Issues		No Issues		No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		P060		P060		P060		P060		P060		P060		P060	
Sample Location		060-12396		060-12397		060-12398		060-12399		060-12400		060-12401		060-12404	
Sample Identification		S-060-100406-AH-12396		S-060-100406-AH-12397		S-060-100406-AH-12398		S-060-100406-AH-12399		S-060-100406-AH-12400		S-060-100406-AH-12401		S-060-100906-AH-12404	
Sample Date		10/4/2006		10/4/2006		10/4/2006		10/4/2006		10/4/2006		10/4/2006		10/9/2006	
Sample Depth		(0-0.33) FT		(0-0.33) FT		(0-0.33) FT		(0-0.33) FT		(0-0.33) FT		(0-0.33) FT		(0-0.33) FT	
Sample Type															
Sample Delivery Group		A6J04339		A6J04339		A6J04339		A6J04339		A6J04339		A6J04339		A6J10265	
Excavated Status		Final		Final		Final		Excavated		Final		Final		Final	
	Units														
PCBs															
Aroclor-1016 (PCB-1016)	mg/kg	0.045 U		0.043 U		0.043 U		0.48 U		0.045 U		0.044 U		0.045 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.045 U		0.043 U		0.043 U		0.48 U		0.045 U		0.044 U		0.045 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.045 U		0.043 U		0.043 U		0.48 U		0.045 U		0.044 U		0.045 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.045 U		0.043 U		0.043 U		0.48 U		0.045 U		0.044 U		0.045 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.14		0.012 J	BRL	0.021 J	BRL	4.1		0.41		0.87		0.045 U	
Aroclor-1254 (PCB-1254)	mg/kg	0.045 U		0.043 U		0.043 U		0.48 U		0.045 U		0.044 U		0.045 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.038 J	BRL	0.043 U		0.043 U		0.22 J	BRL	0.022 J	BRL	0.062		0.045 U	
Total PCBs	mg/kg	0.178 J	BRL	0.012 J	BRL	0.021 J	BRL	4.32 J	BRL	0.432 J	BRL	0.932		0	
Wet															
Total Solids	%	72.9		76.2		76.3		69.0		74.1		74.5		72.7	
QC Summary		No Issues		No Issues		No Issues		No Issues		No Issues		No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision

TABLE 4.2

VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARIES
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Area		*P060*		*P060*		*P060*	*P060*	*P060*		*P060*	
Sample Location		*060-12405*		*060-12406*		*060-12433*	*060-12434*	*060-12435*		*060-12478*	
Sample Identification		*S-060-101006-AH-12405*		*S-060-101006-AH-12406*		*S-060-101206-KH-12433*	*S-060-101206-KH-12434*	*S-060-101206-KH-12435*		*S-060-110106-AH-12478*	
Sample Date		*10/10/2006*		*10/10/2006*		*10/12/2006*	*10/12/2006*	*10/12/2006*		*11/1/2006*	
Sample Depth		*(0-0.33) FT*		*(0-0.33) FT*		*(0-0.33) FT*	*(0-0.33) FT*	*(0-0.33) FT*		*(0-0.33) FT*	
Sample Type											
Sample Delivery Group		*A6J10283*		*A6J10283*		*A6J12319*	*A6J12319*	*A6J12319*		*A6K01297*	
Excavated Status		*Final*		*Final*		*Final*	*Final*	*Excavated*		*Final*	
	Units										
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	0.041 U		0.043 U		0.048 U	0.043 U	0.044 U		0.048 U	
Aroclor-1221 (PCB-1221)	mg/kg	0.041 U		0.043 U		0.048 U	0.043 U	0.044 U		0.048 U	
Aroclor-1232 (PCB-1232)	mg/kg	0.041 U		0.043 U		0.048 U	0.043 U	0.044 U		0.048 U	
Aroclor-1242 (PCB-1242)	mg/kg	0.041 U		0.043 U		0.048 U	0.043 U	0.044 U		0.048 U	
Aroclor-1248 (PCB-1248)	mg/kg	0.015 J	BRL	0.13		0.048 U	0.043 U	0.013 J	BRL	0.11	
Aroclor-1254 (PCB-1254)	mg/kg	0.041 U		0.043 U		0.048 U	0.043 U	0.044 U		0.048 U	
Aroclor-1260 (PCB-1260)	mg/kg	0.041 U		0.026 J	BRL	0.048 U	0.043 U	0.044 U		0.029 J	BRL
Total PCBs	mg/kg	0.015 J	BRL	0.156 J	BRL	0	0	0.013 J	BRL	0.139 J	BRL
Wet											
Total Solids	%	80.8		76.7		68.6	77.2	75.8		68.5	
QC Summary		No Issues		No Issues		No Issues	No Issues	No Issues		No Issues	

Notes:

U - Not present at or above the associate
J - Estimated concentration.
LCS - Laboratory control sample percen
BRL - Below laboratory report limit.
FDP - Field duplicate sample precision v

TABLE 4.3.1

PARCEL 2 TSP AIR MONITORING ANALYTICAL RESULTS SUMMARY
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1B* *TSP-12*	*STATION 22A* *TSP-9*	*STATION 26* *TSP-4*	*STATION 27* *TSP-10*
2/3/2006				
Total Volume(m3)	991	1113	1022	
Average Flow(m3/min)	0.85	0.98	0.92	
TSP Concentration(mg/m3)	0.2324	0.0657	0.0616	
Percent of Allowable(%)	226	64	UPWIND	
2/6/2006				
Total Volume(m3)	1296	1420	1290	
Average Flow(m3/min)	0.98	1.11	0.99	
TSP Concentration(mg/m3)	0.2555	0.0511	0.0499	
Percent of Allowable(%)	307	61	UPWIND	
2/7/2006				
Total Volume(m3)	1416	249	1522	1269
Average Flow(m3/min)	0.95	*	1.03	0.84
TSP Concentration(mg/m3)	0.4869	*	0.065	0.0388
Percent of Allowable(%)	449	*	UPWIND	36
2/8/2006				
Total Volume(m3)	1422	1697	NR	1168
Average Flow(m3/min)	0.91	1.11	NR	0.89
TSP Concentration(mg/m3)	0.4157	0.082	NR	0.0456
Percent of Allowable(%)	383	76	NR	42
2/10/2006				
Total Volume(m3)	1429	1372	1534	1109
Average Flow(m3/min)	0.9	0.88	0.99	0.83
TSP Concentration(mg/m3)	0.7528	0.0916	0.0875	0.071
Percent of Allowable(%)	635	77	74	UPWIND
2/23/2006				
Total Volume(m3)	1170	1159	1291	1142
Average Flow(m3/min)	0.81	0.82	0.97	0.84
TSP Concentration(mg/m3)	0.2163	0.0893	0.5856	0.0468
Percent of Allowable(%)	22	9	UPWIND	5

Notes:
* - Results not reported due to machine malfunction

TABLE 4.3.2

PARCEL 2 PCB AIR MONITORING ANALYTICAL RESULTS SUMMARY
GM BEDFORD POWERTRAIN FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1B PUF-7*	*STATION 22A PUF-3*	*STATION 26 PUF-8*	*STATION 27 PUF-9*
2/3/2006				
Total Volume(m3)			256	
Total PCB Mass(ug)			0	
PCB Concentration(ug/m3)			ND(0.0029)	
Percent of Allowable(%)			--	
2/6/2006				
Total Volume(m3)			299	325
Total PCB Mass(ug)			0	0
PCB Concentration(ug/m3)			ND(0.0025)	ND(0.0023)
Percent of Allowable(%)			--	--
2/7/2006				
Total Volume(m3)	357	19	339	422
Total PCB Mass(ug)	1.2	*	0	0
PCB Concentration(ug/m3)	0.0034	*	ND(0.0022)	ND(0.0018)
Percent of Allowable(%)	0	*	--	--

Notes:
* - Results not reported due to machine malfunction
ND - Non detect

TABLE 6.1

MASTER WESTERN TRIBUTARY PARCELS SUMMARY TABLE
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel	*Delineation and Verification Samples Collected*	*Quantity of Soil Excavated (tons)* [1]	*Quantity of Soil Backfilled (tons)* [1]
2	58	221	221[(2)]
53	28	4	10
57	21	9	9
58	9	469	336
60/61	34	189	138

Note:

1. Quantities of Soil Excavated and Backfilled were calculated using Autodesk LandDesktop®.
2. Restored to pre-excavation

APPENDIX A

PHOTOGRAPHIC LOG

PHOTO 01: PARCEL 2 - PRE-CONSTRUCTION CONDITIONS OF SWALE (FACING SOUTHEAST). MARCH 2003

PHOTO 02: PARCEL 2 - PRE-CONSTRUCTION CONDITIONS OF SWALE (FACING SOUTHEAST). MARCH 2003

CONSTRUCTION CERTIFICATION REPORT
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO 03: PARCEL 2 - EXCAVATION PREPARATION TO PROTECT THE LAWN (FACING WEST). FEBRUARY 2006

PHOTO 04: PARCEL 2 - AIR MONITORING STATION ON PARCEL 2 (FACING NORTH). FERUARY 2006

PHOTO 05: PARCEL 2 - BRUSH/BRANCHES BEING LOADED FOR DISPOSAL AT SYCAMORE RIDGE LANDFILL (FACING SOUTHEAST). FEBRUARY 2006

PHOTO 06: PARCEL 2 - EXCAVATION PROGRESS (FACING EAST). FEBRUARY 2006

PHOTO 07: PARCEL 2 - RETAINING WALL EXCAVATION (FACING SOUTHEAST). FEBRUARY 2006

PHOTO 08: PARCEL 2 - TARPED EXCAVATION AREA (FACING EAST). FEBRUARY 2006

PHOTO 09: PARCEL 2 - IMPORTED FILL MATERIAL FOR RESTORATION (FACING WEST). FEBRUARY 2006

PHOTO 10: PARCEL 2 - HYDROSEEDING OF RESTORATION (FACING EAST). FEBRUARY 2006

PHOTO 11: PARCEL 2 - EROSION CONTROL MATING PLACED OVER RESTORATION (FACING EAST). MARCH 2006

PHOTO 12: PARCEL 53 - PRE-CONSTRUCTION CONDITIONS OF PARCEL 53. JUNE 2007

PHOTO 13: PARCEL 53 - EXCAVATION AREA (FACING NORTH). JUNE 2007

PHOTO 14: PARCEL 53 - EXCAVATION PROGRESS (FACING NORTHWEST). JUNE 2007

PHOTO 15: PARCEL 53 - CRA SAMPLERS COLLECTING VERIFICATION AND CHARACTERIZATION SOIL SAMPLES (FACING NORTHWEST). JUNE 2007

PHOTO 16: PARCEL 53 - OVERLOOKING RESTORATION. JULY 2007

PHOTO 17: PARCEL 53 - OVERLOOKING RESTORATION. JULY 2007

PHOTO 18: PARCEL 57 - SETTING UP OF PERIMETER FENCE AROUND THE EXCAVATION AREA (FACING SOUTH). APRIL 2006

CONSTRUCTION CERTIFICATION REPORT
WESTERN TRIBUTARY INTERIM MEASURE
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO 19: PARCEL 57 - HAND EXCAVATION OF TOP 4 TO 6 INCHES OF SOIL (FACING WEST). APRIL 2006

PHOTO 20: PARCEL 57 - LIMITS OF INITIAL EXCAVATION (FACING EAST). APRIL 2006

PHOTO 21: PARCEL 57 - HAND EXCAVATION AND PLACEMENT INTO DRUMS FOR SOIL REMOVAL (FACING EAST). APRIL 2006

PHOTO 22: PARCEL 57 - TARPING OF THE EXCAVATION (FACING WEST). APRIL 2006

PHOTO 23: PARCEL 57 - GRADING THE RESTORED AREA PRIOR TO SEEDING (FACING WEST). APRIL 2006

PHOTO 24: PARCEL 60 & 61 - PRE-EXCAVATION PREPARATIONS. STAKING THE EXCAVATION LIMIT (FACING NORTHWEST). JUNE 2006

PHOTO 25: PARCEL 60 - PRE-EXCAVATION PREPARATIONS. DAMING UPSTREAM WATERS FOR DIVERSION (FACING NORTH). JUNE 2006

PHOTO 26: PARCEL 60 - EXCAVATION PROGRESS IN STREAM (FACING SOUTHEAST). JUNE 2006

PHOTO 27: PARCEL 60 - EXCAVATION PROGRESS ON BANK (FACING NORTH). JULY 2006

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PHOTO 30: PARCEL 60 & 61 - EXCAVATION AREA TARPED (FACING WEST). JULY 2006

PHOTO 31: PARCEL 60 - BREAKING OUT ROCK IN THE CREEK (FACING NORTHEAST) SEPTEMBER 2006

PHOTO 32: PARCEL 60 - ROCK REMOVED FROM THE CREEK BED. OCTOBER 2006

PHOTO 33: PARCEL 60 - POWERWASHING THE EXPOSED BEDROCK ALONG THE CREEK (FACING EAST). OCTOBER 2006

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PHOTO 35: PARCEL 60 - LOOKING ALONG THE CLEAN CREEK EXCAVATION (FACING WEST). NOVEMBER 2006

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PHOTO 38: PARCEL 60 - RESTORED CREEK CHANNEL. STRAW IN PLACE FOR EROSION CONTROL (FACING EAST). NOVEMBER 2006

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PHOTO 40: PARCEL 60 - RESTORED DRIVEWAY (FACING SOUTH). NOVEMBER 2006

PHOTO 41: PARCEL 60 - REPAVED DRIVEWAY (FACING NORTH). NOVEMBER 2006

PHOTO 42: PARCEL 61 - REINSTALLED CATTLE FENCE NOVEMBER 2006

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTS (INVESTIGATIVE, STOCKPILE, AND VERIFICATION SAMPLES)

APPENDIX C

MATERIAL TRACKING

C.1 MATERIAL TRACKING SPREADSHEET

C.2 MATERIAL TRACKING MANIFEST FOR HERITAGE

C.3 MATERIAL TRACKING MANIFEST FOR SRLF

C.1 MATERIAL TRACKING SPREADSHEET

APPENDIX C.1

PARCEL 2 MATERIAL TRACKING
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Time*	*Waste Description*	*Waste Source*	*Truck #*	*Transporter*	*Landfill Weight (lb)*	*Contractor*
2/7/2006	9:08:44	Soil <50 ppm	P002	10376	K+A	31,280	Sevenson
2/7/2006	9:20:35	Soil <50 ppm	P002	10377	K+A	33,160	Sevenson
2/7/2006	9:51:32	Soil <50 ppm	P002	10376	K+A	32,720	Sevenson
2/7/2006	10:07:50	Soil <50 ppm	P002	10377	K+A	28,760	Sevenson
2/7/2006	10:30:33	Soil <50 ppm	P002	10376	K+A	30,300	Sevenson
2/7/2006	10:52:16	Soil <50 ppm	P002	10377	K+A	28,000	Sevenson
2/7/2006	11:18:08	Soil <50 ppm	P002	10376	K+A	29,040	Sevenson
2/7/2006	11:30:56	Soil <50 ppm	P002	10377	K+A	28,340	Sevenson
2/7/2006	11:59:07	Soil <50 ppm	P002	10376	K+A	30,280	Sevenson
2/7/2006	12:04:57	Soil <50 ppm	P002	10377	K+A	26,780	Sevenson
2/7/2006	13:41:16	Soil <50 ppm	P002	10376	K+A	25,800	Sevenson
2/7/2006	13:49:29	Soil <50 ppm	P002	10377	K+A	26,080	Sevenson
2/7/2006	14:18:23	Soil <50 ppm	P002	10376	K+A	29,620	Sevenson
2/7/2006	14:32:05	Soil <50 ppm	P002	10377	K+A	29,140	Sevenson
2/7/2006	14:57:35	Soil <50 ppm	P002	10376	K+A	29,860	Sevenson
2/7/2006	15:11:51	Soil <50 ppm	P002	10377	K+A	30,900	Sevenson
2/7/2006	15:38:00	Soil <50 ppm	P002	10376	K+A	35,700	Sevenson
2/10/2006	14:29:12	Soil <50 ppm	P002	10376	K+A	32,720	Sevenson
2/10/2006	14:44:18	Soil <50 ppm	P002	10377	K+A	26,640	Sevenson
2/10/2006	15:09:51	Soil <50 ppm	P002	10376	K+A	31,680	Sevenson
2/10/2006	15:29:45	Soil <50 ppm	P002	10377	K+A	30,940	Sevenson
2/10/2006	15:57:22	Soil <50 ppm	P002	10376	K+A	38,060	Sevenson
2/10/2006	16:09:45	Soil <50 ppm	P002	10377	K+A	37,040	Sevenson
2/10/2006	16:40:14	Soil <50 ppm	P002	10376	K+A	36,680	Sevenson
2/10/2006	16:58:09	Soil <50 ppm	P002	10377	K+A	39,400	Sevenson
2/10/2006	17:15:07	Soil <50 ppm	P002	10376	K+A	38,920	Sevenson
					TOTAL	817,840	

APPENDIX C.1

PARCEL 53 MATERIAL TRACKING SPREADSHEET
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date Shipped	*Load No.*	*Manifest No.*	*Waste Description*	*Waste Source*	*Truck No.*	*Transporter*	*Landfill Weight (lbs)*	*Contractor*
6/26/2007	1644750	92785WAS	Soil > 50 ppm	Parcel 53	67	U.S. Bulk Transport Inc.	10,780	Sevenson
						TOTAL	10,780	

APPENDIX C.1

MATERIAL TRACKING SPREADSHEET
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Time*	*Waste Description*	*Waste Source*	*Truck #*	*Transporter*	*Landfill Weight (lbs)*	*Contractor*
6/30/2006	7:52:00	Soil <50 ppm	60, 61	99	Hoosier	28,840	Sevenson
6/30/2006	8:33:46	Soil <50 ppm	60, 61	99	Hoosier	15,600	Sevenson
7/10/2006	8:54:00	Soil <50 ppm	60, 61	99	Hoosier	45,300	Sevenson
7/10/2006	9:55:00	Soil <50 ppm	60, 61	99	Hoosier	43,680	Sevenson
7/10/2006	-	Soil <50 ppm	60, 61	99	Hoosier	46,940	Sevenson
7/18/2006	10:59:00	Soil <50 ppm	60, 61	99	Hoosier	47,440	Sevenson
7/18/2006	12:13:00	Soil <50 ppm	60, 61	99	Hoosier	45,480	Sevenson
7/18/2006	13:37:00	Soil <50 ppm	60, 61	99	Hoosier	43,360	Sevenson
9/20/2006	7:46 AM	Soil <50 ppm	60 & 61	99	Hoosier	29,200	Sevenson
9/20/2006	9:37 AM	Soil <50 ppm	60 & 61	99	Hoosier	31,460	Sevenson
9/20/2006	9:39 AM	Soil <50 ppm	60 & 61	99	Hoosier	30,080	Sevenson
9/20/2006	10:16 AM	Soil <50 ppm	60 & 61	99	Hoosier	36,560	Sevenson
9/26/2006	9:02 AM	Soil <50 ppm	60 & 61	6	Hoosier	36,980	Sevenson
9/26/2006	10:29 AM	Soil <50 ppm	60 & 61	6	Hoosier	31,340	Sevenson
9/27/2006	7:55 AM	Soil <50 ppm	60 & 61	99	Hoosier	31,420	Sevenson
9/27/2006	8:41 AM	Soil <50 ppm	60 & 61	99	Hoosier	29,800	Sevenson
9/27/2006	10:33 AM	Soil <50 ppm	60 & 61	99	Hoosier	35,260	Sevenson
10/4/2006	9:21 AM	Soil <50 ppm	60 & 61	1010	Hoosier	28,840	Sevenson
10/4/2006	9:25 AM	Soil <50 ppm	60 & 61	104	Hoosier	33,460	Sevenson
10/4/2006	9:47 AM	Soil <50 ppm	60 & 61	1010	Hoosier	25,080	Sevenson
10/4/2006	10:03 AM	Soil <50 ppm	60 & 61	104	Hoosier	27,900	Sevenson
10/6/2006	11:13 AM	Soil <50 ppm	60-61	1011	Hoosier	35,980	Sevenson
10/6/2006	12:03 PM	Soil <50 ppm	60-61	1010	Hoosier	33,060	Sevenson
10/11/2006	9:27 AM	Soil <50 ppm	60 & 61	N/A	Hoosier	36,900	Sevenson
10/11/2006	10:10 AM	Soil <50 ppm	60 & 61	N/A	Hoosier	37,280	Sevenson
10/11/2006	10:42 AM	Soil <50 ppm	60 & 61	N/A	Hoosier	31,660	Sevenson
10/13/2006	8:56 AM	Soil <50 ppm	60 & 61	106	Hoosier	32,840	Sevenson
10/13/2006	9:33 AM	Soil <50 ppm	60 & 61	106	Hoosier	40,140	Sevenson
10/20/2006	8:50 AM	Soil <50 ppm	61	99	Hoosier	29,520	Sevenson
11/2/2006	8:31 AM	Soil <50 ppm	61	106	Hoosier	39,000	Sevenson
11/2/2006	9:06 AM	Soil <50 ppm	61	106	Hoosier	40,280	Sevenson
11/6/2006	8:44 AM	Soil <50 ppm	60	106	Hoosier	35,120	Sevenson
11/6/2006	9:12 AM	Soil <50 ppm	60	99	Hoosier	28,900	Sevenson
11/8/2006	10:33 AM	Soil <50 ppm	60	1010	Hoosier	31,420	Sevenson
					TOTAL	1,176,120	

C.2 MATERIAL TRACKING MANIFEST FOR HERITAGE

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IND006036099	1	(800)535-5053	000092785MAS

GENERATOR

5. Generator's Name and Mailing Address
GENERAL MOTORS CORP. / JEFF NICHOLS (CRA)
P.O. BOX 1268
BEDFORD, IN 47421
Generator's Phone: (812)279-7404

Generator's Site Address (if different than mailing address)
GENERAL MOTORS CORPORATION / TIM RIENKS
105 GM DRIVE
BEDFORD, IN 47421
GEN: 2195

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC — U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,POLYCHLORINATED BIPHENYLS, SOLID,9, UN3432,PGIII,(PCB REMEDIATION WASTE 761.61(C)	1	DT	5018	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.ERG# 171 1.EARLIEST DATE OF REMOVAL FROM SERVICE FOR DISPOSAL: 6/19/07 SES.
1.WI2_0346627_T#1644750
[10436731]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JEFF NICHOLS OF CRA, AGENT FOR GM — Signature — Month: 6 Day: 26 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
		6	26	07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IND006036099	1	(800)535-5053	000092785WAS

GENERATOR

5. Generator's Name and Mailing Address
GENERAL MOTORS CORP. / JEFF NICHOLS (CRA)
P.O. BOX 1268
BEDFORD, IN 47421
Generator's Phone: (812)279-7404

Generator's Site Address (if different than mailing address)
GENERAL MOTORS CORPORATION / TIM RIENKS
105 GM DRIVE
BEDFORD, IN 47421
GEN: 2195

6. Transporter 1 Company Name
U.S. BULK TRANSPORT, INC
U.S. EPA ID Number
PAD987347515

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number
IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,POLYCHLORINATED BIPHENYLS, SOLID,9, UN3432,PGIII,(PCB REMEDIATION WASTE 761.61(C))	1	DT	5018	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.ERG# 171 1.EARLIEST DATE OF REMOVAL FROM SERVICE FOR DISPOSAL: 6/19/07 SES.
1.W12_0346627_T#1644750
M4900kg (10806)
[10436731]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JEFF NICHOLS OF CRA, AGENT FOR GM
Signature
Month 6 Day 26 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Signature
Month 6 Day 26 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED
JUL 0 2 2007
CRA, INC.

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month 6 Day 26 Year

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: General Motors - Powertrain Division
105 GM Drive
Bedford IN 47421

EPA ID NUMBER: IND006036099

Wastestream: 2195-12 PCB Remediation Waste (Soil)

Disposal Method: Landfilled

Disposal Date: 26-Jun-07

Manifest: 92785WAS

Net Kg: 4900

KENNETH S. PRICE, CHAIRMAN

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 6/26/07.	LOAD #: 1644750
TIME IN: 7:46 am. TIME OUT: 8:46 am.	MANIFEST #: 000092785 WAS

WASTE TYPE		
SOIL < 50 ppm PCBs	YES	(NO)
SOIL > 50 ppm PCBs	(YES)	NO
TRASH / DEBRIS	YES	(NO)
OTHER:	(YES)	NO

WASTE PROFILE NO: 2195-12

WASTE DESCRIPTION: Soil >50 ppm PCBs

WORK AREA:
Parcel / Area: P53 ~~22~~ 6/26/07

TEMPERATURE (°F): 73	WIND (mph) (0 - 5)	5 - 10	10 - 15
(CLEAR)	CLOUDY	RAIN	SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Soil
LOCATION:	Staging Pad/Stockpile: N/A.
PERSONNEL:	Sevenson excavator operator/laborers

NOTES:

LOAD WEIGHT (LBS): GROSS: 37240 TARE: 26200 NET: 11040.

TRANSPORTER INFORMATION:

TRUCKING COMPANY: U.S. Bulk Transport, Inc.

TRUCK #: 67

TRAILER #: -

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	(YES)	NO	LOAD COVERED / SECURED:	(YES)	NO
LINER INSTALLED:	(YES)	NO	TRUCK & TRAILER CLEAN:	(YES)	NO
PROPER PLACARDS USED:	(YES)	NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Randy R Campbell	PRINT: Pete Bridcut
SIGN:	SIGN:

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 75655

GROSS	
TARE	37240 lb 8:45 AM 06 26 07 26200.
DUNNAGE	
NET	11040.

VENDOR:	
MATERIAL:	Soil.
SHIPPER NO.:	1644750.
SIGNED IN:	
LOT NO.:	SES.
CARRIER:	USBulk
SIGNED OUT:	
TRAILER:	
IN TRACTOR NUMBER:	#67
OUT TRACTOR NUMBER:	
REMARKS:	

C.3 MATERIAL TRACKING MANIFEST FOR SRLF

APPENDIX C.3

PARCEL 22 STUMP MATERIAL TRACKING SPREADSHEET
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date Shipped	*Load No.*	*Manifest No.*	*Waste Description*	*Waste Source*	*Truck No.*	*Transporter*	*Landfill Weight (lbs)*	*Contractor*
2/7/2006	22213	22213	Chipped stumps/soil < 50 ppm	Parcel 22A	562	Relco Systems	**25,660**	Sevenson
2/7/2006	22214	22214	Chipped stumps/soil < 50 ppm	Parcel 22A	831	Relco Systems	**36,240**	Sevenson
2/7/2006	22215	22215	Chipped stumps/soil < 50 ppm	Parcel 22A	562	Relco Systems	**35,760**	Sevenson
2/8/2006	22216	22216	Chipped stumps/soil < 50 ppm	Parcel 22A	717	Relco Systems	**47,100**	Sevenson
2/9/2006	22217	22217	Chipped stumps/soil < 50 ppm	Parcel 22A	562	Relco Systems	**34,040**	Sevenson
2/11/2006	22218	22218	Chipped stumps/soil < 50 ppm	Parcel 22A	562	Relco Systems	**31,700**	Sevenson
2/11/2006	22219	22219	Chipped stumps/soil < 50 ppm	Parcel 22A	562	Relco Systems	**42,260**	Sevenson
4/21/2006	22273	22273	Chipped stumps/soil < 50 ppm	Parcel 22A	834	Relco Systems	**35,540**	Sevenson
							288,300	

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 52483

GROSS	63260 lb 8:54 AM 02 07 06
TARE	36830
DUNNAGE	
NET	26430

VENDOR:	
MATERIAL:	TREE STUMPS
SHIPPER NO.:	22213
LOT NO.:	5
CARRIER:	Kelna
TRAILER:	18468
IN TRACTOR NUMBER:	562
OUT TRACTOR NUMBER:	
SIGNED IN:	[illegible]
SIGNED OUT:	
REMARKS:	

22213

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street
Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	
EXCAV ID ____			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer # 1845

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY)

222135

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MAY 08 2006
CRA, INC.

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy. 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street
Bedford IN 47421

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation~~ chipped stumps and soil Waste <50ppm PCBs	~~309089~~ 512088	~~09/08/2005~~ 12/16/2006	gross = 63260
EXCAV ID P22A Per Tauschauna			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors [signature] 2/7/06

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer # 1848

Company: Relco
Address: 50 M Street
Bedford, Indiana 47421
Contact: Mike Leathers
Phone: (812)279-9789

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Michael Blank [signature] 2/7/06

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

[signature] [signature] 2/7/06

Name (print or type) Signature Date (MM/DD/YY)

222804

REL 562

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 2/7/06	LOAD #: 22213
TIME IN: 754 / TIME OUT: 854	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	**YES**	NO
SOIL > 50 ppm PCBs	YES	**NO**
TRASH / DEBRIS	YES	NO
OTHER: Tree Stumps	YES	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
Parcel / Area: 22A

TEMPERATURE (°F): 35 | WIND (mph): 0 - 5 | 5 - 10 | 10 - 15 | CLEAR | CLOUDY | RAIN | SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 63260 TARE: 36830 NET: 26430

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	562
TRAILER #:	846

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	YES NO	LOAD COVERED / SECURED:	YES NO
LINER INSTALLED:	YES NO	TRUCK & TRAILER CLEAN:	YES NO
PROPER PLACARDS USED:	N/A YES NO	OTHER:	

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN:	SIGN:

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 52507

GROSS	72340 lb 2:34 PM 02 07 06
TARE	36340
DUNNAGE	
NET	36000

VENDOR:	
MATERIAL:	~~[illegible]~~ tree stumps
SHIPPER NO.:	22214
LOT NO.:	S
CARRIER:	Rilce
TRAILER:	1848
SIGNED IN:	LB
SIGNED OUT:	
IN TRACTOR NUMBER:	831
OUT TRACTOR NUMBER:	
REMARKS:	

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	36000 lb
EXCAV ID ____ P22A			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: ONYX Industrial Services, Inc.
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 831
Phone: 937-237-1097 Trailer # 1515

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY)

22214 S

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CRA, INC.

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy. 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation~~ Chipped Stumps PCB Waste <50ppm PCBs and Soil	309089 3/28/06	09/08/2005 12/16/2006	360016
EXCAV ID ____ P22A			

JM 2/7/06

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — 02/07/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: ~~Dave Bowers~~
Phone: 937-237-1097
Truck# 831
Trailer # 1848

Company: Retro Systems
Address: 50 North M Street Bedford, IN 47421
Contact: Mike Leathers
Phone: (812)279-9789

JM 2/7/06

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) | Signature | Date (MM/DD/YY) 2-8-06

Brian Sullivan

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received: TON = 17.68
Address: 5621 E. Cottom Road- Pimento IN 47866 TF 223092

I hereby acknowledge receipt of the above described materials

Erin Tuft — 2-8-06

Name (print or type) | Signature | Date (MM/DD/YY)

Rel 714

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 2/7/06	LOAD #: 22214
TIME IN: 1334 / TIME OUT: 1434	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	**YES**	NO
SOIL > 50 ppm PCBs	YES	**NO**
TRASH / DEBRIS	YES	**NO**
OTHER: Tree Stumps	**YES**	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
Parcel / Area: P22A

TEMPERATURE (°F): 35 | WIND (mph): **0 - 5** 5 - 10 10 - 15 | **CLEAR** CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 72340 TARE: 36340 NET: 36000

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	831
TRAILER #:	1848

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	**YES**	NO	LOAD COVERED / SECURED:	**YES**	NO
LINER INSTALLED:	**YES**	NO	TRUCK & TRAILER CLEAN:	**YES**	NO
PROPER PLACARDS USED:	N/A YES	NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN:	SIGN:

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 52517

GROSS	73620 lb 5:34 PM 02 07 06
TARE	36830
DUNNAGE	
NET	36790

VENDOR:			
MATERIAL:	Tree stumps		
SHIPPER NO.:	22215	SIGNED IN:	
LOT NO.:	5		
CARRIER:	ZECO	SIGNED OUT:	
TRAILER:	1846		
IN TRACTOR NUMBER:	562	OUT TRACTOR NUMBER:	
REMARKS:			

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CRA, INC.

222155

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

JM 2/7/06

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation Waste <50ppm PCBs~~ Chipped Stumps and Soil	~~309089~~ 512088	~~09/08/2005~~ 6/16/2006	36790 (net)
EXCAV ID P22A			

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — [signature] — 02/07/06

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

JM 2/7/06

Company: ~~ONYX Industrial Services, Inc.~~ Company: Relco Systems
Address: ~~6151 Executive Blvd Huber Heights, OH 45424~~ Address: 50 North M St, Bedford, IN 47421
Contact: ~~Dave Bowers~~ Contact: Mike Leathers
Phone: ~~937-237-1097~~ Phone: (812) 279-9789
Truck# ~~562~~ 716
Trailer # 1846

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Michael Blank — [signature] — 2/07/06

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received: TON = 18.12
Address: 5621 E. Cottom Road- Pimento IN 47866 # 222924

I hereby acknowledge receipt of the above described materials

R TUCKER — [signature] — 2-8-6

Name (print or type) Signature Date (MM/DD/YY)

REL 716

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	36990 (net)
EXCAV ID P22A			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — 02/07/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer # 1246

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) | Signature | Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 21706	LOAD #: 22215
TIME IN: 1634 TIME OUT: 1734	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	(YES)	NO
SOIL > 50 ppm PCBs	YES	(NO)
TRASH / DEBRIS	YES	(NO)
OTHER: Tree Stumps	(YES)	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
(Parcel) / Area: 22A

TEMPERATURE (°F): 35 | WIND (mph): (0 - 5) 5 - 10 10 - 15 | (CLEAR) CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 73620 TARE: 36830 NET: 36790

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	562
TRAILER #:	1846

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	(YES)	NO	LOAD COVERED / SECURED:	(YES)	NO
LINER INSTALLED:	(YES)	NO	TRUCK & TRAILER CLEAN:	(YES)	NO
PROPER PLACARDS USED:	(N/A) YES	NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN: D. J	SIGN: by for TM

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 52580

GROSS: 84840 lb 10:17 AM 02 08 06	VENDOR:
TARE: 37380	MATERIAL: Tree Stumps
DUNNAGE:	SHIPPER NO.: ~~33215~~ 33216
NET: 47460	LOT NO.: S
	CARRIER: Rico
	TRAILER: 1846
	SIGNED IN: R.R. Trailer
	SIGNED OUT:
	IN TRACTOR NUMBER: 717
	OUT TRACTOR NUMBER:
	REMARKS:

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MAY 08 2006
CRA, INC.

REPUBLIC SERVICES, INC.

~~22215~~ 5
22216 OR
5/8/06

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street
Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation~~ Chipped Stumps and Soil Waste <50ppm PCBs	309089 312088	09/08/2005 12/16/2006	474601b
EXCAV ID ~~EXCAV ID~~ P22A			

TM 2/7/06

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.
Jeff Nichols, of CRA, Agent for General Motors

2/8/06

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: ~~ONYX Industrial Services, Inc.~~ Relco Systems
Address: ~~6151 Executive Blvd~~ 50 North M Street
~~Huber Heights, OH 45424~~ Bedford, IN 47421
Contact: ~~Dave Bowers~~ Truck# 1846 Contact: Mike Leathers
Phone: ~~937-237-1097~~ Trailer # 717 Phone: (812) 279-9789

TM 2/7/06

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Jonathan Collins 2/8/6

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received: TON = 23.55
Address: 5621 E. Cottom Road- Pimento IN 47866 # 223327

I hereby acknowledge receipt of the above described materials

R TUCKER 2-9-6

Name (print or type) Signature Date (MM/DD/YY)

REL716

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	474016
EXCAV ID ____			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — 2/18/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 1816
Phone: 937-237-1097 Trailer # 712

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) | Signature | Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

TM 2/8/06

DATE: 2/8/06		LOAD #: ~~22215~~ 22216	
TIME IN: 917	TIME OUT: 1017	MANIFEST #: Same	

WASTE TYPE

SOIL < 50 ppm PCBs	**YES**	NO
SOIL > 50 ppm PCBs	YES	**NO**
TRASH / DEBRIS	YES	NO
OTHER: Tree Stumps	YES	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
Parcel / Area: 22A

TEMPERATURE (°F): 35	WIND (mph) 0 - 5 5 - 10 10 - 15	CLEAR CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 84840 TARE: 37380 NET: 47460

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	717
TRAILER #:	1846

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	YES NO	LOAD COVERED / SECURED:	YES NO
LINER INSTALLED:	YES NO	TRUCK & TRAILER CLEAN:	YES NO
PROPER PLACARDS USED:	N/A YES NO	OTHER:	

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN:	SIGN:

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 52684

GROSS: 71840 lb 10:40 AM 02 09 06	VENDOR:
	MATERIAL: Tree Stumps
	SHIPPER NO.: 22217
TARE: 36830	LOT NO.: S
	CARRIER: Reiro
	TRAILER: 1848
DUNNAGE:	IN TRACTOR NUMBER: 362
NET: 35010	OUT TRACTOR NUMBER:
	REMARKS:
	SIGNED IN: SDW
	SIGNED OUT:

RECEIVED
MAY 0 8 2006
CRA, INC.

22175

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy. 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs Chipped Stumps and Soil	309089 2120065	09/08/2005 2/17/07 2006	3 5010 lb
EXCAV ID ____ P22A			

TM 2/7/06

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.
Jeff Nichols, of CRA, Agent for General Motors — 2/9/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers
Phone: 937-237-1097

Company: Relco Systems
Address: 30 North M Street
Bedford, IN
Truck# 562 Contact: Mike Leathers
Trailer # 1848 Phone: (812) 279-9789

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.
Michael Blunk — 2/9/06

Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

Sylvia

I hereby acknowledge receipt of the above described materials
2-11-06

Name (print or type) | Signature | Date (MM/DD/YY)

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	3 5010 lb
EXCAV ID ____ P220			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — 3/9/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer #

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) | Signature | Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 2/9/06	LOAD #: 22217
TIME IN: 0940 / TIME OUT: 1040	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	(YES)	NO
SOIL > 50 ppm PCBs	YES	(NO)
TRASH / DEBRIS	YES	(NO)
OTHER: Tree Stumps	(YES)	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
(Parcel) / Area: 22A

TEMPERATURE (°F): 25 | WIND (mph): (0 - 5) 5 - 10 10 - 15 | (CLEAR) CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 71840 TARE: 36830 NET: 35010

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	562
TRAILER #:	1848

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	(YES)	NO	LOAD COVERED / SECURED:	(YES)	NO
LINER INSTALLED:	(YES)	NO	TRUCK & TRAILER CLEAN:	(YES)	NO
PROPER PLACARDS USED:	(N/A) YES	NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN: Brianna Bergeron for Dan	SIGN: TM for TM

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 53048

GROSS: 69560 lb 9:11 AM 02 11 06	VENDOR:
TARE: 37300	MATERIAL: Tree Stumps
DUNNAGE:	SHIPPER NO.: 22218 / SIGNED IN:
NET: 32260	LOT NO.: S / CARRIER: BTL(10) / SIGNED OUT:
	TRAILER: 1812
	IN TRACTOR NUMBER: 362 / OUT TRACTOR NUMBER:
	REMARKS:

22218S

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CRA, INC.

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street
Bedford IN 47421

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs Chipped Stumps and Soil	309089	09/08/2005	32260 lb
EXCAV ID ____ P22A			

TM 2/7/06

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.
Jeff Nichols, of CRA, Agent for General Motors — 2/11/06

Name (print or type) | Signature | Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: ONYX Industrial Services, Inc.
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers
Phone: 937-237-1097
Truck# 562
Trailer # 1842

Company: Reico Systems
Address: 50 North M St.
Bedford, IN 47421
Contact: Mike Leathers
Phone: (812) 279-9789

TM 2/7/06

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.
Michael Blank — 2/11/06

Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials — 2/15/06

Name (print or type) | Signature | Date (MM/DD/YY)

#562

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	32.26 TN
EXCAV ID ____ F32A			

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors — 2/11/06

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: ONYX Industrial Services, Inc.
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer # 1642

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

2/11/06

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 2/11/06	LOAD #: 22218
TIME IN: 0811 / TIME OUT: 0911	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	(YES)	NO
SOIL > 50 ppm PCBs	YES	(NO)
TRASH / DEBRIS	YES	(NO)
OTHER: Tree Stumps	(YES)	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION:
Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA:
(Parcel) / Area: 22A

TEMPERATURE (°F): 25 | WIND (mph): (0 - 5) 5 - 10 10 - 15 | (CLEAR) CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: NA
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 69560 TARE: 37300 NET: 32260

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	562
TRAILER #:	1842

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	(YES)	NO	LOAD COVERED / SECURED:	(YES)	NO
LINER INSTALLED:	(YES)	NO	TRUCK & TRAILER CLEAN:	(YES)	NO
PROPER PLACARDS USED:	(N/A)	YES NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN: Brian M. Daugherty for Dan	SIGN: BJ for TM

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 53050

GROSS	80400 lb 10:50 AM 02 11 06
TARE	38100
DUNNAGE	
NET	42300

VENDOR:			
MATERIAL:	Tree Stumps		
SHIPPER NO.:	22219	SIGNED IN:	
LOT NO.:	S		
CARRIER:	Relco	SIGNED OUT:	
TRAILER:	1836		
IN TRACTOR NUMBER:	562	OUT TRACTOR NUMBER:	
REMARKS:			

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CRA, INC.

22195

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation Waste~~ <50ppm PCBs chipped shrubs and soil	~~309089~~ SI20BB	~~09/08/2005~~ 12/16/2006	42300 lb
EXCAV ID P22A			

2/11/06 RJ

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.
Jeff Nichols, of CRA, Agent for General Motors

Name (print or type) | Signature | Date (MM/DD/YY) 2/11/06

TRANSPORTER INFORMATION

Company: ~~ONYX Industrial Services, Inc.~~ Company: Reico Systems
Address: ~~6151 Executive Blvd~~ Address: 50 North M St.
~~Huber Heights, OH 45424~~ Bedford, IN 47421
Contact: ~~Dave Bowers~~ Truck# 562 Contact: Mike Leathers
Phone: ~~937-237-1097~~ Trailer # 1838 Phone: (812) 279-9785

2/11/06 RJ

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Mike Bleek | 2/11/06
Driver's Name (print or type) | Signature | Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Kevin Tutt | 2/11/06
Name (print or type) | Signature | Date (MM/DD/YY)

TON = 21.13
# 224960

Rel 794

232195

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street
Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
PCB Remediation Waste <50ppm PCBs	309089	09/08/2005	42300 lb
EXCAV ID ____ P32A			

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.
Jeff Nichols, of CRA, Agent for General Motors

Name (print or type) Signature Date (MM/DD/YY) 2/11/06

TRANSPORTER INFORMATION

Company: **ONYX Industrial Services, Inc.**
Address: 6151 Executive Blvd
Huber Heights, OH 45424
Contact: Dave Bowers Truck# 562
Phone: 937-237-1097 Trailer # 1026

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
SES

DATE: 2/11/06	LOAD #: 22219
TIME IN: 0950 / TIME OUT: 1050	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	(YES)	NO
SOIL > 50 ppm PCBs	YES	(NO)
TRASH / DEBRIS	YES	(NO)
OTHER: Tree Stumps	(YES)	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION: Chipped Stumps and Soil with PCB < 50 ppm

WORK AREA: (Parcel) / Area: 22A

TEMPERATURE (°F): 25 | WIND (mph): (0 - 5) 5 - 10 10 - 15 | (CLEAR) CLOUDY RAIN SNOW

LOADING INFORMATION:

EQUIPMENT:	Sevenson - CAT excavator
MATERIAL:	Chipped Stumps and Soil
LOCATION:	Staging Pad/Stockpile: N/A
PERSONNEL:	Sevenson excavator operator/laborers
LOAD WEIGHT (LBS):	GROSS: 80400 TARE: 38100 NET: 42300

NOTES:

TRANSPORTER INFORMATION:

TRUCKING COMPANY:	Relco Systems
TRUCK #:	562
TRAILER #:	1836

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	(YES)	NO	LOAD COVERED / SECURED:	(YES)	NO
LINER INSTALLED:	(YES)	NO	TRUCK & TRAILER CLEAN:	(YES)	NO
PROPER PLACARDS USED:	(N/A)	YES NO	OTHER:		

SES REPRESENTATIVE:	CRA REPRESENTATIVE:
PRINT: Dan Sekanovich	PRINT: Taushauna Moore
SIGN: Brenda Meyerrose for Dan	SIGN: TM for TM

GM POWERTRAIN, Bedford Plant, 105 GM Drive, Bedford, Indiana 47421

SCALE TICKET: 82484

GROSS: 73260 lb 10:20 AM 04 21 06	VENDOR:
TARE: 37140 lb 8:43 AM 04/21/06	MATERIAL: Chipped Stumps + Soil
DUNNAGE	SHIPPER NO.: 22273
NET: 36120	LOT NO.: SES.
	CARRIER: Holco
	TRAILER: 1848
	SIGNED IN: SDW
	SIGNED OUT: JS
	IN TRACTOR NUMBER: 834
	OUT TRACTOR NUMBER: 834
	REMARKS: Picking Up Tree Stumps.

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CRA, INC.

REPUBLIC SERVICES, INC.

22273 S

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

2/11/06 SJ

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation~~ chipped stumps ~~Waste <50ppm PCBs~~ and soil	~~309089~~ 512085	~~09/08/2005~~ 12/16/2006	36120 lbs (Net)
EXCAV ID P22 P36B			

Per DANNA LINLEY

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors

Name (print or type) Signature Date (MM/DD/YY) 04/21/06

TRANSPORTER INFORMATION

2/11/06 SJ

Company: ~~ONYX Industrial Services, Inc.~~
Address: ~~6151 Executive Blvd~~
~~Huber Heights, OH 45424~~
Contact: ~~Dave Bowers~~
Phone: ~~937-237-1097~~

company: Relco Systems
Address: 50 North M Street
Bedford, IN 47421
contact: Mike Leathers
Phone: (812) 279-9789

834
Truck# ~~18~~
Trailer # 1818

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

DOUGLAS W DAVIDSON 04/21/06

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received: TON =
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY) 4/21/06

240477
G.M
REL 834

REPUBLIC SERVICES, INC.

22273 S

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: General Motors
Address: 105 GM Drive
City: Bedford State: IN
Zip: 47421 County: Lawrence

Site Location: Same as generator

Generator Contact: Kim Crame
Consultant/Contractor: Conestoga-Rovers & Assoc.
Consultant/Contractor Address: GM Drive & 4th Street Bedford IN 47421

CUSTOMER/BILLING INFORMATION

Billing Name: Encore
Address: 2000 Centerpointe Pkwy, 1st Floor
Cobalt Station
Mail Code 483-520-190
City: Pontiac State: MI Zip: 48341
County: Oakland

Generator Phone: 812-279-7404
Consultant/Contractor Phone: 812-277-8960
Contact: Jeff Nichols

Waste Name/ Material Spilled	Republic Services Approval #	Expiration Date	Volume/Weight
~~PCB Remediation Waste~~ <50ppm PCBs	~~309089~~	~~09/08/2005~~	36120 lbs (Net)
EXCAV ID ~~P22~~ P36B DL 04/25/06			

Attach additional sheet if necessary
I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste generating process, since the last shipment of the waste.

Jeff Nichols, of CRA, Agent for General Motors | [signature] | 04/21/06

Name (print or type) Signature Date (MM/DD/YY)

TRANSPORTER INFORMATION

Company: ~~ONYX Industrial Services, Inc.~~
Address: ~~6151 Executive Blvd~~
~~Huber Heights, OH 45424~~
Contact: ~~Dave Bowers~~
Phone: ~~937-237-1097~~
Truck# 8311
Trailer #

Company: Relco Systems
Address: 50 North 4 Street
Bedford, IN 47421
Contact: Mike Leathers
Phone: (812) 279-9769

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

DOUGLAS W DAVIDSON | [signature] | 04/21/06

Driver's Name (print or type) Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Operating Number: 84-06 Qty Received:
Address: 5621 E. Cottom Road- Pimento IN 47866

I hereby acknowledge receipt of the above described materials

Name (print or type) Signature Date (MM/DD/YY)

Truck Inspection/Loading Report
GMPT Bedford Plant
Bedford, Indiana

Distribution:
CRA
~~ENTACT~~
SES

DATE: 04/21/06	LOAD #: 22273
TIME IN: 920 am / TIME OUT: 1020 am	MANIFEST #: Same

WASTE TYPE

SOIL < 50 ppm PCBs	YES	NO
SOIL > 50 ppm PCBs	YES	NO
TRASH / DEBRIS	YES	NO
OTHER: Tree Stumps	YES	NO

WASTE PROFILE NO: 512088

WASTE DESCRIPTION: Chipped Stumps and Soil with PCBs <50 ppm

WORK AREA: Parcel / Area: 22.

TEMPERATURE (°F): 60 | WIND (mph): 0 - 5 | 5 - 10 | 10 - 15 | CLEAR | CLOUDY | RAIN | SNOW

LOADING INFORMATION:

EQUIPMENT:	SES ~~ENTACT~~ CAT excavator
MATERIAL:	Soil
LOCATION:	Staging Pad/Stockpile: N/A
PERSONNEL:	SES ~~ENTACT~~ excavator operator/laborers

NOTES:

LOAD WEIGHT (LBS): GROSS: TARE: NET:

TRANSPORTER INFORMATION:

	U.S. Bulk Transport, Inc.	Relco
TRUCK #:		834
TRAILER #:		1848

FINAL INSPECTION:

DRIVER HAS PROPER PAPERWORK:	YES	NO	LOAD COVERED / SECURED:	YES	NO
LINER INSTALLED: DOT 06/21/06	YES	NO	TRUCK & TRAILER CLEAN:	YES	NO
PROPER PLACARDS USED:	N/A	YES NO	OTHER:		

ENTACT REPRESENTATIVE:

PRINT: ~~Cynthia Hudson~~ Dan Sekanovich

SIGN: D.S

CRA REPRESENTATIVE:

PRINT: ~~Shelly Gould~~ Dayna Finley

SIGN: DF