October 1, 2007

CONSTRUCTION CERTIFICATION REPORT

UPSTREAM PARCELS REMOVAL ACTION

GM POWERTRAIN FACILITY
BEDFORD, INDIANA

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LIST OF ACRONYMS AND TERMS

µg/m^3	microgram per meter cubed
AAQMP	Ambient Air Quality Monitoring Plan
AOC	Administrative Order on Consent
AOI	Area of Interest
Bailey's Branch Creek	Bailey's Branch Creek at the upstream end of Pleasant Run Watershed
BCa	bias-corrected and accelerated
BOL	Bill of Lading
CA	Corrective Action
CCR	Current Conditions Report
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CRA	Conestoga-Rovers & Associates Inc.
Facility	General Motors Powertrain Bedford Facility
GC/MD	Gas Chromatographic/Multi-Detector Detection
GM	General Motors Corporation
Heritage	Heritage Environmental Services landfill
IDEM	Indiana Department of Environmental Management
IDNR	Indiana Department of Natural Resources
IM	Interim Measures
mg/kg	milligrams per kilogram
N AOI 4	area north of Area of Interest 4
PCBs	polychlorinated biphenyls
ppm	parts per million
PUF	Polyurethane Foam
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RA	Removal Action
RCRA	Resource Conservation and Recovery Act
Report	Construction Certification Report
RFI	RCRA Facility Investigation
SAP	Sampling and Analysis Plan
SES	Sevenson Environmental Services, Inc.
Site	GM Powertrain Bedford Removal Action Site
SOW	Scope of Work

LIST OF ACRONYMS AND TERMS

SRLF	Republic Services Inc, Sycamore Ridge Landfill
SSC	Site Source Control
Tributary 3	unnamed tributary of Baileys Branch Creek originating in the area north of Area of Interest 4 within the Upstream Parcels
TSCA	Toxic Substances Control Act
TSPs	total suspended particulates
U.S. DOT	United States Department of Transportation
U.S. EPA	United States Environmental Protection Agency
UCL	upper confidence limit
Work Plan	Upstream Parcels Removal Action Work Plan

1.0 INTRODUCTION

1.1 GENERAL

This document presents the Final Construction Certification Report (Report) for the implementation of the United States Environmental Protection Agency (U.S. EPA) approved Upstream Parcels Removal Action Work Plan (Work Plan), dated July 18, 2003 for the property adjacent to Bailey's Branch Creek on the upstream reach of the Pleasant Run Watershed (Bailey's Branch Creek) in Lawrence County, Indiana. Bailey's Branch Creek and areas downstream were affected by historical releases of polychlorinated biphenyls (PCBs), thus requiring remediation of select properties. This Report describes the Removal Action (RA) completed in areas referred to as the Upstream Parcels. The Upstream Parcels include Parcels 3, 4, 5, 6, 7, 8, 10, 11, 12, 205, 215, 216 (west of Bailey Scales Rd.), 401, and the area north of the Area of Interest 4 (N AOI 4). The Upstream Parcels form part of the GM Powertrain Bedford RA Site (Site) as defined in the Administrative Order on Consent (AOC) (effective July 31, 2003). The Site location is presented on Figure 1.1. The Site Plan for the Upstream Parcels is presented on Figures 1.2.1 and 1.2.2.

Conestoga-Rovers & Associates, Inc. (CRA) has prepared this Report on behalf of General Motors Corporation (GM) in accordance with the AOC, under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), in accordance with the requirements of the Toxic Substances Control Act (TSCA), and consistent with the Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) work conducted under the Performance Based Agreement (effective March 20, 2001, as amended October 1, 2002) between U.S. EPA and GM for the GM Powertrain Bedford Facility (Facility). Additional properties downstream of those presented in this Report will be addressed in separate documents.

This Report documents the completion of the RA activities in accordance with the Work Plan that was approved by U.S. EPA as part of the AOC. The Work Plan was implemented Fall 2003 and was completed March 2007. Specifically, this Report describes implementation of the Work Plan, including the excavation of impacted soil materials; verification that each excavated area achieved the AOC cleanup criteria; staging of waste; waste characterization sampling and analysis; transportation and off-Site disposal of the material at appropriate permitted landfill facilities; backfilling of the excavations; and restoration of those properties. A photographic log of pre- and post-excavation Site conditions is presented in Appendix A.

1.2 PROJECT BACKGROUND

The Facility is located at 105 GM Drive, Bedford (Lawrence County), Indiana. The Facility produces aluminum casting products, such as transmission cases, pistons, and engine blocks. Major aluminum production processes include die casting and permanent molding. The Facility has been operating as an aluminum foundry since 1942, with major facility modifications completed in 1950, 1953, 1966, 1971, 1974, 1977, 1979, and 1980.

Located on 152.5 acres, the Facility contains approximately 915,000 square feet of floor space and employs approximately 1,000 people. The Facility background is summarized in further detail in the Current Conditions Report (CCR) prepared by CRA dated May 25, 2001.

The objective of the Site RA for the Upstream Parcels was to:

- excavate and remove soil containing PCBs exceeding the cleanup criteria, identified in the initial CA investigation;
- verify through sampling that the cleanup criteria were met;
- dispose of the excavated material at appropriate and U.S. EPA approved facilities; and
- restore the remediated areas of the Upstream Parcels.

1.3 PRE-REMOVAL ACTION SITE DESCRIPTION

The Upstream Parcels are located in the area on and adjacent to Bailey's Branch Creek and an unnamed tributary (Tributary 3). The Upstream Parcels encompass an area of approximately 58.1 acres. Bailey's Branch Creek flows from the south, generally northward from the Upstream Parcels and eventually discharges to Pleasant Run Creek. Pleasant Run Creek subsequently discharges to Salt Creek.

The Upstream Parcels lie within an area of Indiana that was not glaciated (driftless area) during the last glacial period on the North American continent. Consequently, the surficial geology of the area generally consists of a relatively thin layer of unconsolidated deposits of sand, clay, and chert produced by the weathering of limestone bedrock (regolith, which is more commonly referred to as terre rosa in this area due to its reddish color) and wind-deposited silty material, known as loess.

Bedrock within the immediate vicinity of the Upstream Parcels consists of the lower beds of the Middle Mississippian, St. Louis Formation (the oldest formation within the Blue River Group), Salem Formation (the youngest formation with the Sanders Group) and Harrodsburg Formation (middle Sanders Group). The St. Louis Limestone is only present in a thin layer in the immediate vicinity of Outfall #002. The Salem Formation is dominant throughout the remainder of the Upstream Parcels with frequent outcrops along the creek channel. The contact between the Salem and the underlying Harrodsburg Formations along the main channel is along Parcels 11 and 12 east of Bailey Scales Road. This contact can also be seen immediately east of Bailey Scales Road along Tributary 3.

The Upstream Parcels border Bailey's Branch Creek and two of its tributaries along steep sided ravines. In this area, the ravine generally has approximately 20-30 feet of vertical relief. Along this length, the creek has a bedrock bottom with scattered rock and sediments. Bedrock can generally be found approximately 1 to 2 feet below the ground surface on the ravine side slopes. Given the topography along the stream channel in the Upstream Parcels, the majority of the areas affected by the PCB releases were confined to the stream channel and banks, as little floodplain is present in these areas.

Parcels 3, 4, 5, 6, 8, 10, 11, 12, and 401 are currently used for residential purposes. Parcels 7, 205, 215, and 216 are undeveloped. Parcels 205, 215, and 216 have historically been owned by GM and are part of the Facility property. The N AOI 4 is also part of the Facility property and is used for purposes related to the Facility manufacturing.

1.4 CLEANUP OBJECTIVES

The cleanup criterion selected by U.S. EPA in the AOC for floodplain soils at the Site is 1.8 milligrams per kilogram (mg/kg) total PCBs. The AOC also identifies a cleanup criterion of 1 mg/kg total PCBs for creek sediment and stream bank material at the Site. Both criteria are considered conservative in their application in this RA 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 RA for the Upstream Parcels, access was obtained from the owners of Parcels 3, 4, 5, 6, 10, and 401. The remaining Parcels (Parcels 7, 8, 11, 12, 205, 215, 216, and the N AOI 4) were either already owned by GM or purchased by GM prior to the initiation of RA activities. Subsequent to the initiation of the RA, GM has purchased, and currently owns Parcels 3, 5, and 10.

Communication with the Parcel owners prior to implementation of the RA 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 RA. 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 (e.g., tree planting);
- follow-up visits, as necessary, during re-establishment of vegetation to address outstanding issues and make repairs; and
- following completion of the RA, miscellaneous additional activities, including periodic monitoring of re-established vegetation and stream stabilization progress and continued monitoring of seeps and springs.

Site-related Landscaping and Tree/Shrub Replacement Plans for Parcels 4, 6, and 401 are presented in Appendix B.

1.6 REPORT ORGANIZATION

This Report is organized in the following sections:

i) Section 1.0 presents the Site location and background, pre-RA 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 Work Plan implementation;

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

iv) Section 4.0 presents the RA 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 RA activities for each of the Upstream 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 Scope of Work activities that were conducted at the Site. CRA, as designated in the AOC, directed and generally oversaw activities on behalf of GM during the implementation of the RA, including collection and management of related data and development and preparation of this Final Construction Certification Report. The Project Coordinator designated in the AOC (Mr. James J. McGuigan, CRA) provided overall project management and coordination between GM, CRA, the selected environmental contractor (Sevenson Environmental Services (SES)), the Facility, property owners, U.S. EPA, and Indiana Department of Environmental Management (IDEM).

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

- utility locates;
- mobilization of construction facilities, Site trailer(s), 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,
  - clearing and grubbing of existing vegetation (as required),
  - work zone identification, and
  - construction of temporary staging facilities at the GM Powertrain Facility;
- implementation of environmental controls;
- implementation of a Site-specific Health and Safety Plan;
- diversion of creek (sequential in work zones);
- implementation of stormwater controls (berms and drainage swales);
- removal and handling of sediment deposits in creek bed and stream bank soils, to bedrock or 1 mg/kg PCBs, while creek was diverted;

- soil excavation, handling, and backfilling including:
  - layout of initial excavation limits including areas of PCB concentrations equal to or exceeding 50 mg/kg, and areas between 1.8 mg/kg and 50 mg/kg for non-industrial Parcels,
  - layout of initial excavation limits including areas of PCB concentrations exceeding 5.3 mg/kg for industrial parcels (portions of the floodplain in Tributary 3 within the East Plant Area, which are being addressed as part of the East Plant Area Interim Measure (IM)),
  - excavation of soil within the non-industrial parcels to achieve 1.8 mg/kg PCBs,
  - excavation of soil within industrial parcels excavation limits to achieve 5.3 mg/kg PCB or to a depth of 2 feet, up to 25-feet from the edge of the creek, and backfilled with clean soil. Installation of Silt fencing along the upslope side of these areas to prevent recontamination from upgradient areas being addressed in the East Plant Area IM,
  - layout of verification sampling grids on non-industrial parcels,
  - collection of soil verification samples for PCBs,
  - additional excavation/verification sampling, as necessary, to meet the cleanup goals, and
  - backfilling/grading, and restoration of excavated areas, as required, with appropriate material;
- transportation to a U.S. EPA approved off-Site disposal facility for soil and sediment equal to or exceeding 50 mg/kg PCB:
  - if direct loading for off-Site disposal was not practical, soil and sediment were moved to a temporary staging pad prior to off-Site disposal;
- transportation to either a U.S. EPA approved off-Site disposal facility or to an on-Site interim staging facility for soils less than 50 mg/kg PCB. If transported to an interim staging facility, soils were stored for a period consistent with the terms of the AOC. Soils staged at the interim staging areas were transported off-site for proper disposal;
- removal of miscellaneous debris (e.g., tree stumps, rocks), and staging and/or disposal at appropriate off-Site facilities (as required);
- fugitive air emissions monitoring;
- ambient air quality monitoring;
- water management;
- stream monitoring;

- RA closeout activities including:
  - cleanup/restoration of support areas,
  - restoration of excavation areas, and
  - final decontamination of construction equipment and temporary facilities; and
- demobilization of temporary facilities and equipment from the Site.

The existing Quality Assurance Project Plan (QAPP) (CRA November 5, 2001) for the Facility was modified in accordance with the AOC to incorporate the RA activities and approved by the U.S. EPA for use in the implementation of the Upstream Parcels RA.

2.1 WORK PLAN ADDENDA

During implementation of the Work, several unanticipated conditions were observed that necessitated modifying the Work Plan through preparation of various addendums.

Addenda to the Work Plan include:

- Upstream Parcels RA Work Plan: Addendum No. 1 (CRA, November 2003);
- Upstream Parcels RA Work Plan: Addendum No. 2 (CRA, February 13, 2004);
- Upstream Parcels RA Work Plan: Addendum No. 3 (CRA, May 12, 2004);
- Upstream Parcels RA Work Plan: Addendum No. 4 (CRA, June 15, 2004); and
- Upstream Parcels RA Work Plan: Addendum No. 5 (CRA, August 10, 2004).

Addendum No. 1 provided an overview of the current conditions and provided details related to the implementation of the removal of PCB-impacted fill material from Parcel 401 and the cleaning and closure of an abandoned culvert located underneath GM Drive at Breckenridge Road, in the area known as the north employee parking lot.

Addendum No. 2 was prepared to describe the removal of limited areas of surficial bedrock within and adjacent to the creek channel, as necessary to allow the efficient removal of oily soil and sediment that had accumulated in fractures.

Addendum No. 3 documented the investigation and RA activities associated with impacted fill materials identified on Parcel 205. This addendum summarized the current conditions and provided details related to the implementation of removal of

impacted fill material from Parcel 205. Parcel 205 is owned by GM and is contiguous with the East Plant Area.

Addendum No. 4 presented revised soil verification sampling procedures for sidewall sampling from the Upstream Parcels.

Addendum No. 5 described additional details regarding the implementation of the Work Plan in the Lower Quarry located on Parcels 11 & 12.

2.2 SITE SOURCE CONTROL SYSTEMS

During implementation of the Work, the Site Source Control (SSC) Work Plan (CRA, November 11, 2003) was initiated concurrently. Conditions observed during the Upstream Work and verified through monitoring conducted under the SSC Work Plan, necessitated modifying the Work Plan through preparation of various addendums. Subsequent Work Plans were prepared for construction of SSC systems on Parcel 3/205, Parcel 201, and the Area north of Area of Interest (AOI) 4 (N AOI 4). A separate document will be prepared to present details of the construction activities completed as part of the SSC program.

The SSC Work Plan set out designs to contain Spring 3-002 and the springs adjacent to AOI 4 in addition to methods for controlling any additional impacted springs as they were identified.

Addenda to the SSC Work Plan completed within the Upstream Parcels work areas were:

- SSC Work Plan: Addendum No. 1 (CRA, April 21, 2004);
- SSC Work Plan: Addendum No. 2 (CRA, October 1, 2004); and
- SSC Work Plan: Addendum No. 3 (CRA, November 17, 2004).

Addendum No. 1 presented additional details for proposed collection systems in the Parcel 3 and Parcel 205 creek area.

Addendum No. 2 presented design details for construction of collection systems in the Parcel 3 and Parcel 205 creek area, in addition to collection systems in the creek area adjacent to AOI 4.

Addendum No. 3 presented design details for construction of a trench collection system east of the Facility Storm Water Lagoon (AOI 10).

SSC Work Plan Addenda No. 4, No. 5, and No. 6 are not specific to the Upstream Parcels area.

3.0 RFI INVESTIGATIVE/DELINEATION SAMPLING/SITE CHARACTERIZATION ACTIVITIES

Surficial soil, sediment, and surface water sampling was previously completed within the floodplain areas of the Upstream Parcels under the CA. Figures 3.1.1 through 3.1.14 identify the location of investigative samples collected for each of the Upstream Parcels. PCBs were identified at varying concentrations across the floodway area of the Parcels.

Generally, higher PCB concentrations were present near the creek. PCB concentrations generally decreased as the distance from the Facility and creek increased. In addition, PCB concentrations generally decreased as elevation above the creek increased. A summary of CA investigative sample results for each of the Upstream Parcels is presented in Tables 3.1.1 through 3.1.14**.**

All characterization sample analysis and data validation has been completed in accordance with the approved QAPP.

4.0 REMOVAL ACTION ACTIVITIES

This section presents activities implemented as part of the RA of the Upstream Parcels.

4.1 SITE PREPARATION

Following the receipt of all necessary property access agreements, Site preparation activities were completed for each work area prior to initiating intrusive work activities. These activities are discussed in detail in Section 4.0 of the approved Work Plan, and included:

- utility locates;
- mobilization of construction facilities, Site trailer(s), material, equipment, and personnel necessary to perform the work;
- provision and maintenance of construction facilities and temporary controls; and
- 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,
  - clearing and grubbing of existing vegetation (as required),
  - work zone identification, and
  - construction of temporary staging facilities at the Facility.

4.2 ENVIRONMENTAL CONTROLS

Environmental controls were put in place prior to intrusive activities 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 Upstream Parcels RA, 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 such as a water misting system to prevent the generation of fugitive air emissions;
- covering work areas with clean soil or interim plastic sheeting;
- maintaining covers over material stockpiles;
- inspecting vehicles leaving work areas, and decontaminating as necessary;
- sweeping of paved portions of transportation routes;
- using appropriate covers on trucks hauling material;
- seeding and erosion control matting 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

A Rule 5 Sediment and Erosion Control Permit was obtained and the contractor utilized construction methods that minimized the amount of exposed soil within the excavation area, to the extent practical (Appendix C). In areas where slopes exceeded 5-percent grade, the contractor employed siltation fences, straw bales, riprap, soil berms, or erosion mats, as directed by CRA, to prevent erosion and migration of silt, mud, sediment, and other debris from the work areas.

Silt fences and/or straw bales were placed in ditches and along perimeter areas (including those adjacent to Bailey's Branch Creek) to prevent sediments from migrating off the Site.

4.2.3 SURFACE WATER/STORMWATER CONTROL

In order to complete the removal activities, the creek was generally segmented into sections 100 to 500 feet in length. Surface water and stormwater controls, including check dams, diversion channels, diversion pumping and piping, and drainage swales to

control run-on from upland areas and upstream portions of the creek were constructed prior to initiating significant excavation, and modified or relocated, as appropriate, during the work.

Construction of surface water and stormwater controls prior to initiating excavation, controlled the potential for off-Site releases and minimized the amount of stormwater contacting potentially contaminated material.

Stormwater and creek water flowing toward the work zones was redirected around the Site perimeter, to the extent practical, through the use of dikes/swales/dams to minimize the potential for stormwater to contact potentially contaminated soil material, surface water, and/or stormwater runoff. Stormwater that came in contact with potentially contaminated material was considered contaminated water, and as such was collected for treatment prior to discharge. A significant rainfall event in the fall of 2003 caused creek flow in excess of the diversion system capacity. In response, work areas were required to be covered with temporary plastic sheeting to isolate potentially impacted areas during subsequent significant rainfall events. Areas potentially impacted by rain events were re-sampled using verification sampling procedures and compared against the applicable cleanup criteria. Appropriate action was then implemented, as necessary to ensure all portions of the creek continued to meet cleanup criteria.

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 parcels using markers (e.g., stakes, survey paint, and survey flags) prior to excavation activities.

Figures 3.1 through 3.14 present the proposed limits of excavation that were based on the available delineation sample results.

4.3.2 SOIL EXCAVATION

The scheduling of excavation activities was coordinated so that activities were completed promptly following construction of storm water controls based on weather/seasonal conditions.

The contractor performed excavation activities in accordance with the following:

i) excavation work was conducted along creek segments generally 100 to 500 feet 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) to the extent possible, excavations and movement of soils were scheduled such that materials with a PCB concentration greater than or equal to 50 mg/kg were removed first;

v) the equal to or greater than 50 mg/kg soils/sediments were transported for off site disposal;

vi) the less than 50 mg/kg soils/sediments were then excavated and transported to staging piles to sample to confirm that these soils were less than 50 mg/kg, before transporting off site for disposal;

vii) 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;

viii) excavation areas were graded to direct stormwater runoff away from excavations;

ix) measures necessary for dust emission control from excavation, soil handling, and transportation activities were carried out; and

x) in-creek sediment removal were coordinated with soil removal.

Excavation on Parcel 401 initially proceeded as described above. However, during the initial excavation phase of Parcel 401, a previously unidentified area of fill was uncovered. Additional excavation on Parcel 401 was required to remove PCB-impacted material in the fill.

The final limits of soil excavation for each of the Upstream Parcels were established based on the verification of the removal of soil containing PCBs above the cleanup criteria. Excavated material with PCB concentrations ≥50 mg/kg and <50 mg/kg were segregated, prior to transportation for disposal. The completed excavation topography for each Upstream Parcel is presented in Figures 4.1.1 through 4.1.14. The estimated volume of materials excavated for each of the Upstream 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. Since bedrock was also excavated and hauled off for disposal, the actual tonnage of materials removed from the Site was greater than what was calculated by using Autodesk LandDesktop®. Quantities of materials disposed off-Site as measured by weigh scales are presented in Table 4.2.

4.3.3 SOIL EXCAVATION FOR INDUSTRIAL PARCELS

The procedure for removing stream bank and near stream bank soil on the industrial parcels owned by GM on the Facility property (Parcels 205, 215, 216, and N AOI 4) involved the following steps:

i) Excavated soil from locations at and adjacent to the stream bank where existing RCRA Facility Investigation (RFI) characterization data identified PCBs at concentrations exceeding 5.3 mg/kg. Portions of the floodplain in Tributary 3 within the East Plant Area, which are being addressed as part of the East Plant Area Interim Measures, were excavated to a depth of 2 feet, up to 25-feet from the edge of the creek, and backfilled with clean soil. Silt fence was placed along the upslope side of these areas to control recontamination from upgradient areas that will be addressed in the East Plant Area IM.

ii) In areas where the excavation depth was less than 2 feet, or the excavation width was less than 25 feet from the stream channel, 5-point composite samples were collected from the top 4 inches of the ground surface at approximate 5-foot spacing along 25-foot segments. If the concentration of a composite sample exceeded 5.3 mg/kg PCBs and the maximum depth and width limits were not reached within the segment represented by the composite sample, additional soil removal and re-sampling was conducted for that segment.

iii) Excavated areas were graded such that no material exceeding 5.3 mg/kg was within 2 feet of the final ground surface elevation in the 25 foot zone, and no material exceeding 1.8 mg/kg was within 1-foot of the final ground surface elevation. A double row of silt fence was placed on the uphill side of the covered areas. Each silt fence row was keyed into the soil a minimum of six inches.

Excavation from the Parcels 3 and 205 creek bank was extended northward into a fill area on Parcel 205 to address the potential for recontamination of the creek from the area, which is up the bank from the creek. Additional excavation was also required in the area south of Tributary 3 on the bank opposite of Parcel 401 to address the potential for recontamination to Tributary 3 from a impacted material (Figure 4.2.14B).

The fill area on Parcel 401 was not discovered until after the excavation of the preliminary limits was initiated. Test pits were excavated and additional interim grab samples collected to determine the extent of fill material above the cleanup criteria. Removal of fill material above the criteria extended under the Parcel 401 garage, which necessitated its demolition to allow safe and complete excavation underneath it. Upon removal of the fill material, verification sampling proceeded until the criterion was met within the Parcel 401 excavation boundaries.

Sample collection procedures outlined in the Sampling and Analysis (SAP) (CRA July 2003) were followed. Quality Assurance/Quality Control (QA/QC) procedures were also followed for all sample analysis as outlined in the approved QAPP. All laboratory analytical results were validated in accordance with the approved QAPP.

4.3.4 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:

1) 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 contamination was suggested by visual evidence, or by a review of existing characterization data and Site

conditions. Samples collected were either discrete grab samples (if the area of concern was isolated), or a composite sample (if a larger area of concern existed);

2) Areas excavated to bedrock were cleaned with a power-washer to remove residual soil or sediments from the rock surfaces. The water and was contained, collected, and conveyed to a water treatment facility. The surface was then inspected for cracks containing oily sediments or residue. Where necessary, additional characterization samples of materials in identified fractures were taken to determine if removal of bedrock, to eliminate the fracture and the impacted material, was necessary;

3) Inspections were also conducted of sources of water within the extent of the excavated area. These sources included surface stormwater runoff, streams intercepting the excavation, surface water seeps and springs from the surrounding overburden, and water seeps originating from bedrock fractures within the limits of the excavation. Grab samples were collected from the water sources; and

4) The sample analyses were reviewed to determine if the conditions could reasonably be expected to result in the reintroduction of PCB contamination into the excavated areas. If the potential for recontamination existed, then either additional excavation of soil was completed and/or the fractures were broken out to remove any contaminated material, or the impacted water source was contained and collected for treatment.

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

4.3.5 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 (except as described above in Section 4.2 on the Facility property). Soil samples collected from the Upstream 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 on a 95 percent upper confidence limit (UCL) of the mean basis throughout each approximate ½-acre verification area. A rapid 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 soils within the Parcels involved the following steps:

i) For each 200 foot section of creek, an approximate ½-acre area (verification area) was surveyed along the creek centerline. The areas were approximately 100 feet wide and 200 feet long oriented lengthwise, centered over and roughly parallel with the creek. In areas where the excavation limits were extended 50 feet beyond the limit of the ½ acre, an additional ½-acre verification area was included to provide coverage for the additional acreage. Each verification area was subdivided into eight grid blocks. The approximately 50 by 50 foot blocks were adjusted in size to meet the geometry of the creek or the contaminated area. Where the excavation width was less than 150 feet, the verification sampling grid was centered on the excavation rather than the creek.

ii) Within each ½-acre verification area, soil was excavated from locations where existing site characterization data identified PCBs at concentrations exceeding 1.8 mg/kg. Excavation was conducted to the extent appropriate to achieve a 95% UCL of 1.8 mg/kg based on post-excavation samples for the verification area. Post-excavation verification samples consisted of a 5-point composite sample collected from the top 4 inches of the excavated surface at each of the eight blocks. Blocks excavated entirely to bedrock were considered to have zero residual PCBs in soil for calculating the 95% UCL soil PCB concentration.

iii) For areas downstream of the Site Source Control barrier downstream of Outfall 002, where the depth of the outermost sidewall of the excavation was greater than six inches, soil samples were collected from the side walls for every 25 linear foot section as a 5-point composite sample with sample aliquots collected approximately every 5 linear feet of sidewall. The rationale for this sample spacing was outlined in the Upstream Parcels RA Work Plan Addendum No. 4. In each ½-acre verification area, composite sample analyses were reviewed to ensure that no composite result exceeded 5 mg/kg PCBs. If any of the results exceeded this limit, additional excavation was performed in the corresponding block. If no composite sample exceeded 1.8 mg/kg, then the ½-acre area was determined to have met the cleanup criterion, outlined in the AOC and Work Plan, and no further excavation was necessary.

iv) When one or more composite samples exceeded 1.8 mg/kg (and no composite sample exceeded 5 mg/kg), then the 95% UCL on the mean of the sample concentrations were calculated using all composite samples (base and sidewall samples) collected from each of the ½-acre verification areas.

v) If the 95% UCL did not exceed the 1.8 mg/kg PCBs, the ½-acre area was determined to have met the cleanup criteria, outlined in the AOC and Work Plan.

As outlined in the approved Work Plan the 95% UCL was calculated using a nonparametric bootstrap method, since the verification sample concentrations are not necessarily normally or lognormally distributed. Current U.S. EPA guidance recommends the use of nonparametric methods (including nonparametric bootstrap methods) especially for situations where the probability distribution of a data set is not normal or is difficult to identify (U.S. EPA, 2002). The nonparametric methods do not rely on assumptions about the distribution of the data and are reliable for a wide range of distributions including normal and lognormal data. Bootstrap procedures are robust nonparametric methods that can be used to construct approximate confidence limits for the population mean.

Among the different variations of the bootstrap procedures method, the bias-corrected and accelerated (BCa) percentile method is generally considered to be the most robust and reliable for calculating confidence intervals when the underlying distribution of the data is unknown or difficult to verify (Efron and Tibshirani, 1998). For this reason, the BCa method was used in addition to the Percentile Bootstrap method for calculating the 95% UCLs for each ½-acre verification area.

Post excavation verification sampling summary results for the Upstream Parcels are presented on Figures 4.2.1 through 4.2.14 and final summary on Figures 4.3.1 through 4.3.14**.** Back-up calculations used to determine the UCLs are presented in Appendix D. Laboratory analytical reports and chain of custody documents are presented in Appendix E.

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 sediments and oily residues not accessible with a hydraulic excavator. Wash water was contained and treated prior to discharge.

The cleaned bedrock was then left exposed a couple of days to allow the bedrock to re-establish conditions. After this time period, the bedrock was then inspected for larger bedrock fractures containing sediment and to determine whether oily residues were present. Sediments and residues in fractures were sampled to identify if they had the potential to re-contaminate the creek. Where material exhibited characteristics similar to

other sediment samples collected from within cracks in the same area, discrete samples were not always collected prior to sediment removal.

Fractures containing contaminated material were broken out to competent bedrock. If samples of the sediment within the bedrock fractures were >50 parts per million (ppm) PCBs, the sediment and excavated bedrock was transported for disposal with the >50 mg/kg PCB material. If the sediment within the bedrock fractures were <50 ppm PCBs, 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

Bedrock trenches/excavations were filled with a concrete grout mixture to return the bedrock to the approximate grade of the surrounding bedrock. This was done to prevent distortion of creek flow and to not leave large holes in the creek bottom.

Once an excavation area was determined to meet the cleanup goal, the excavation was backfilled as soon as was 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 materials that met the chemical and quality assurance requirements of the project QAPP were allowed to be used as backfill. Fill material was placed in excavations and compacted using appropriate compaction equipment, as directed by CRA's representative. The area was then covered with topsoil. consistent with the restoration plans.

Following backfilling and seeding, placement of erosion control mats for the areas were completed. Seeding was done utilizing native vegetative species. However, some restoration activities, such as tree and shrub planting and some re-seeding were completed in the appropriate season (to promote/allow growth). The estimated volume (tons) of soil backfilled for each Upstream Parcel is presented in Table 4.3. These volumes were calculated using Autodesk LandDesktop®. The as-recorded drawing for each parcel is presented on Figures 4.4.1 through 4.4.14.

Portions of the Parcel 401 fill excavation required engineered backfill (compacted stone and/or clay) to construct a base pad for the replaced garage and ensure the stability of the slope.

4.4 STOCKPILE SAMPLING/WASTE CHARACTERIZATION

As stated previously, materials excavated from those areas previously delineated as ≥50 mg/kg were direct loaded without additional sampling from the staging pad for proper off-site disposal. Stockpiles of soil/sediment and rock generated during the <50 mg/kg (as identified in the RFI) excavation activities were sampled to characterize levels of PCB contamination. The results of this stockpile sampling determined the appropriate disposal location for the contaminated material.

The procedure for characterization of stockpiled soils involved the following steps:

i) Soils generated from the excavation areas were stockpiled at on-Site staging pads. If multiple stockpiles were generated at each staging pad, then each stockpile would remain segregated to prevent cross contamination of material. No additional soils were added once a stockpile was considered ready for sampling.

ii) To determine the tonnage of soils in each stockpile, the approximate dimensions of each stockpile were measured and the mass of soil in tons calculated using an average soil density of 1.4 tons per cubic yard.

iii) Each stockpile was divided into grids based on the total tonnage of soil calculated, and sampled at a frequency of one 5-point composite sample for approximately every 500 tons of soil material. Each sample was analyzed for PCBs.

iv) Pre-excavation data from the initial delineation sampling event, post-excavation verification data, and stockpile sample data were all analyzed to determine the destination for transport and disposal of stockpiled soils. If any of the samples exhibited concentrations of PCBs greater than or equal to 50 mg/kg, the stockpiled soils were transported and disposed at the Heritage Environmental Services landfill (Heritage) located in Roachdale, Indiana. If all pre-excavation, post-excavation verification, and stockpile data exhibited concentrations of PCBs less than 50 mg/kg, the stockpiled soils from the Upstream Area were transported and disposed of at the Republic Services Inc, Sycamore Ridge Landfill (SRLF) located in Pimento, Indiana.

v) In one instance soils greater than 50 mg/kg were transported to the SRLF from the Parcel 401 property, before results of the post excavation sampling had been received. This material was removed from Sycamore Ridge and sent to the TSCA landfill cell at the Environmental Quality Landfill in Belleville, Michigan.

4.5 TRANSPORTATION AND DISPOSAL OF WASTE

This section summarizes the transportation and disposal of soils/sediment and rock excavated from the Upstream Parcels as part of the Upstream Parcels RA. Soils with concentrations less than 50 mg/kg PCBs were stockpiled separately from materials with concentrations greater than or equal to 50 mg/kg PCBs.

4.5.1 TRANSPORTERS AND DISPOSAL SITES

Transporters licensed by U.S. EPA, U.S. Department of Transportation (U.S. DOT), and the State of Indiana were used for the transport of soils with concentrations greater than or equal to 50 mg/kg PCBs. Transporters operated in compliance with applicable State and federal hazardous waste transportation requirements (i.e., 40 CFR Part 263). Soils removed from the Upstream Parcels with concentrations greater than or equal to 50 mg/kg PCBs were transported using U.S. Bulk Transport, Inc., Beelman Truck Co., Triad Transport, and Autumn Industries and disposed at the Heritage Environmental Services LLC Facility located in Roachdale, Indiana (following application for and approval of this location by both U.S. EPA and IDEM).

Materials with concentrations less than 50 mg/kg PCBs were transported using transporters licensed for general transportation of sanitary wastes. Soils removed from the Upstream Parcels with concentrations less than 50 mg/kg PCBs were transported using Buchta Trucking and U.S. Bulk Transport, Inc. and disposed of at the SRLF located in Pimento, Indiana.

As previously described, approximately 1,504 tons of ≥50 mg/kg PCBs soil materials, which were excavated from an area anticipated to be <50 mg/kg PCBs material, were inadvertently transported to the SRLF. U.S. EPA, IDEM and the SRLF were immediately notified of the situation and the disposal area at the SRLF was isolated and secured from the active area of the landfill. These materials, as well as other waste materials in contact with these materials at SRLF, a total of 4,755 tons, were subsequently re-excavated and transported to The Environmental Quality Company's TSCA Landfill located in Belleville, Michigan. Full details of the re-excavation activity are available in the Sycamore Ridge Landfill Soil and Waste Removal Construction Report (CRA, February 2004).

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:

- the number for each transport vehicle/container was displayed visibly;
- the box of the transport vehicle/container was clean of loose debris or foreign material prior to loading;
- the box or container was lined with a minimum of one layer of 6-mil 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;
- the materials were loaded in a manner which did not damage the polyethylene liner; and
- 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, type and origin of waste soils, vehicle condition, and other pertinent information. Recent Truck Inspection Report forms are located in the CRA Field Trailer on-Site. Forms older than six months have been sent to CRA's Waterloo, Ontario office for long-term filing.

4.5.3 MANIFESTING, LABELING, AND DOCUMENTATION

All waste material with greater than or equal to 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 "U.S. EPA Hazardous Waste Generator Standards", 40 CFR Part 263 "U.S. EPA Hazardous Waste Transporter Standards", 40 CFR Part 268,

"Land Disposal Restriction Standards", 40 CFR Part 761, "U.S. EPA Polychlorinated Biphenyls Rules", and the State of Indiana regulations.

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 Heritage Landfill, 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 less than 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 and the Truck Inspection Report. Upon disposal at SRLF, the Return to Generator manifest copy and the Certificate of Disposal were sent to GM for cross check and filing.

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.

CRA also maintained two daily logs, a log book, and a daily spreadsheet, summarizing all materials transported from the Upstream Parcels to the landfills. These logs recorded information such as total volume/weight of material transported, waste source, description, profile number, transporter, disposal facility, date shipped, start accumulation date, manifest and load number, and manifest/Certificate of Disposal return date. These logs are stored in the on-Site trailer, and are periodically transferred to CRA's Waterloo, Ontario office for long-term storage.

Copies of material tracking forms: manifest summary sheets, manifests, BOLs, certificates of disposal, weigh scale tickets, and truck inspection reports for material removed from the Upstream Parcels are included in Appendix F.

The quantities and types of materials ($\geq$50 mg/kg PCBs and <50 mg/kg PCBs) removed off-Site for disposal (as determined by landfill weigh scales) are presented in Table 4.2.

4.6 AIR QUALITY MONITORING

4.6.1 AIR MONITORING BACKGROUND

CRA conducted a perimeter air monitoring program to evaluate potential exposure to fugitive air emissions resulting from excavation activities within the Upstream Parcels. In order to verify that no unacceptable emissions occurred, air monitoring for the emission of PCBs and TSPs was conducted daily around the Site 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 Upstream Parcel Removal Action Work Plan (CRA, July 18, 2003).

In accordance with the Ambient Air Quality Monitoring Plan (AAQMP) (CRA, 2003), PCB and TSP monitoring was performed around the active work areas 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 [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]. 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 groups positioned around each of the active work areas. There were three air monitoring group stations set up at different areas on-Site. The locations for each air monitoring station and group are presented on Figure 4.5. Group 1 air monitoring stations were located around the perimeter of the Staging Pad Area and N AOI 4 (excavation and backfill activities). Stations 1 and 2A were relocated on August 19, 2004 to ensure adequate coverage as the excavation areas progressed. The stations were re-designated as Stations 1A and 2B, respectively. Group 1 was also updated to Group 1A as a result of the relocations. Group 2 and 3 air-monitoring stations were located along Bailey's Branch of Pleasant

Run Creek to monitor Parcels 6-12 and Parcels 3-6 (excavation and backfill activities), respectively. The various groups shown on Figure 4.5 represent the locations that were sampled in the Upstream Parcels work area.

4.6.2 AIR MONITORING RESULTS

4.6.2.1 TSP

TSP results for air monitoring Groups 1, 2, and 3 are presented in Tables in Appendix G. TSP results were evaluated against the upwind concentration of each air-monitoring group and the Action Level for TSP is 100% Allowable, which is defined as 67% in excess of the upwind ambient air concentration.

As presented in the TSP result tables, TSP exceedances were observed in all three air monitoring groups on various dates. It should be noted that dust is generated by activities other than the excavation (i.e., transportation activities throughout the site) and therefore TSP exceedances were not shown to be related to air-borne exceedances of PCB criteria concentrations. The majority of exceedances occurred at Group 1 air monitoring stations. Air monitoring Station 1, of Group 1, was located at the northwest corner of the Facility trucking lot on the east side of GM Drive. TSP exceedances at this location were correlated to Facility truck traffic in their gravel lot.

To minimize the amount of dust generated, the Site contractor employed various additional and enhanced dust suppression techniques. These were actions taken in response to observations and TSP monitoring data. Dust suppression techniques utilized include:

- monitoring weather conditions and forecasts and scheduling work activities in consideration of weather conditions;
- installing tire wash station for haul trucks leaving the staging pad area;
- replacing gravel entrances to work areas;
- wetting on-Site haul roads;
- adjusting construction techniques;
- restricting vehicle and truck speed; and
- increasing street sweeping activities.

4.6.2.2 PCBS

PCB results for the three air monitoring groups are presented in Appendix G. PCB results for all three air-monitoring groups are consistently below the Stop Work Action Level (1 microgram per meter cubed ($\mu g/m^3$)) with the exception of four samples collected during October 2003 and November 2003 at Station 8A. It is believed that these exceedances were related to the location of the station downwind and in close proximity to a vacuum truck air exhaust during vacuuming of water/oil from the creek bottom during bedrock removal near Outfall #002 and were not related to the physical soil and sediment removal activity. Additional filters were placed on the truck's vacuum system exhaust and no exceedances of the PCB Stop Work Action Level were subsequently recorded.

4.7 REMOVAL ACTION SUMMARY

As described above, RA activities included Site preparation; environmental controls including fugitive dust, erosion, and stormwater; soil excavation, verification sampling, and backfilling/final grading; stockpile sampling/waste characterization; and transportation and disposal of waste.

The completed excavation topography figures, post excavation sample summary locations and results, and completed backfill topography figures for the each of the Upstream Parcels are presented on Figures 4.1 through 4.4. Tables 4.1 through 4.3 present an estimated volume of soil/sediment excavated, quantities and types of materials removed offsite for disposal, and an estimated volume of soil backfilled for each of the Upstream Parcels.

5.0 RESTORATION ACTIVITIES

The objectives of the Restoration Activities were as follows:

- restore disturbed areas generally to pre-existing morphology, and function;
- comply with Access Agreement requirements for non-GM owned Parcels;
- re-vegetate areas with native plant species, after review with the Parcel owner (private or GM-owned);
- construct rock vortex weirs at spacing approved by IDEM; and
- construct habitat features consistent with the stream type and size.

Restoration of vegetation and habitat occurred on two types of Parcels: privately-owned Parcels and GM-owned Parcels. Some construction activities are on-going in the section of the GM-owned property referred to as the East Plant Area. Therefore, changes to Site grading and restoration will be required as part of the overall East Plant Area remedy. 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.

5.1 GRADING, MORPHOLOGY, AND FUNCTION

Clean fill, mixed with rock/gravel substrate as appropriate, near the creek channel, was placed in areas where soil was removed. The top six inches of the fill was topsoil. The creek channel and creek overbank areas were restored to a similar geomorphology using materials similar to those naturally present in the creek prior to the RA. Where pool-riffle sequences naturally occurred, geomorphologically similar sequences were constructed, utilizing existing natural features, such as rock ledges, and constructed features, such as rock current deflectors.

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 a biodegradable erosion control mat after planting to provide initial erosion protection for approximately two growing seasons.

The creek banks were sloped to provide stability during large flow events. In areas where the creek banks were originally unstable and showing visible signs of erosion, the creek banks were protected either utilizing a natural but constructed bank stabilization

structure (i.e., root wads, log deflectors, limestone slab banks, etc.) or were graded back to a slope no greater than 1V:2H.

5.2 SITE RE-VEGETATION

A variety of seed mixes were used to stabilize and provide ground cover for the restored areas. The specific mix used was dependant on the hydrologic regime, future use of the area, and the slope of the restored area. A lawn seed mix was used only on those Parcels that are privately owned and only in those areas that the Parcel owners identified as being part of their functional yard area. The remaining seed mixes were designed to provide natural ground cover for a variety of different habitats (i.e., riparian forest, sloped forest, grassy/forb bench, and emergent wetlands).

On non GM-owned properties with access agreements, shrubs and four size categories of trees were planted: seedlings, 0.75-1.0 inch diameter, 2-3 inch diameter, and 5 inches or greater in diameter. Species, number of trees, and tree diameter were specified in restoration plans developed for each individual Parcel and in accordance with the Parcel-specific access agreements.

For Parcels owned by GM, the selection of tree species generally followed the guidelines for restoration of riparian habitats developed by the Indiana Department of Natural Resources (IDNR) even though the contributory drainage area for the Upstream Parcels is less than the threshold that triggers the guidelines (one-square mile).

Re-vegetation features (trees and shrubs) are documented on Figures 5.1.1 through 5.1.14

5.3 HABITAT ENHANCEMENTS

Habitat enhancement features were installed or placed throughout the project Site as part of the restoration effort. The objective of the enhancements was to attract and provide habitat for a variety of wildlife species. Habitat enhancement features included terrestrial features such as vernal pools, fascine bundles, and fallen logs; and in-stream features such as limestone slab habitat bank stabilization, root wads, log deflectors, and rock current deflectors. Vernal pools are ephemeral shallow waters that provide breeding habitat for amphibians. Fascine bundles are live stems of native shrubs and trees that stabilize restored stream banks, provide habitat and food for wildlife, and enhance water quality by filtering sediment and providing shade for the stream. Fallen

logs placed in the restored floodplain provide cover habitat for small mammals and herpetiles, as well as provide a source of organic matter for soil as they degrade over time. The limestone slabs and root wads placed at select locations along the restored stream banks in the Upstream Parcels provide the dual functions of stabilizing the restored stream channel and providing cover for fish. Log deflectors and rock current deflectors enhance the habitat diversity for aquatic organisms by creating riffle and pools.

Restoration and habitat enhancement features for each Upstream Parcel are documented on Figures 5.1.1 through 5.1.14.

5.4 BAILEY SCALES ROAD CULVERT IMPROVEMENTS

During the removal of impacted materials adjacent to, and within the culvert under Bailey Scales Road, the condition of the existing culvert foundation was observed to have been degraded due to its age. The culvert was seated on deteriorated footings, with the culvert bottom consisting of uneven bedrock and loose rock.

In order to improve the stability of the culvert, after completion of sediment removal a new concrete floor was poured for the existing culvert. The concrete floor also included sections of strip footer along both sides of the culvert to provide a stable bearing surface for the culvert pipe. The concrete floor also served to slightly increase hydraulic capacity through the culvert.

6.0 SUMMARY

A summary of the RA activities for each Upstream Parcel that identifies the total number of delineation and verification samples collected, quantity of soil excavated, quantity of soil backfilled, and number of trees and shrubs installed is presented on Table 6.1.

7.0 REFERENCES

CRA, Ambient Air Quality Monitoring Plan (AAQMP), 2003.

CRA, Current Conditions Report, May 25, 2001.

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

CRA, Sampling and Analysis Plan (SAP), July, 2003.

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CRA, Site Source Control Work Plan: Addendum No. 1, April 21, 2004.

CRA, Site Source Control Work Plan: Addendum No. 2, October 1, 2004.

CRA, Site Source Control Work Plan: Addendum No. 3, November 17, 2004.

CRA, Sycamore Ridge Landfill Soil and Waste Removal Construction Report, February 2004.

CRA, Upstream Parcels Removal Action Workplan, Addendum No. 1, November 2003.

CRA, Upstream Parcels Removal Action Workplan, Addendum No. 3, May 12, 2004.

CRA, Upstream Parcels Removal Action Workplan, Addendum No. 2, February 13, 2004.

CRA, Upstream Parcels Removal Action Workplan, Addendum No. 4, June 15, 2004.

CRA, Upstream Parcels Removal Action Workplan, Addendum No. 5, August 10, 2004.

CRA, Upstream Parcels Removal Action Workplan, July 18, 2003.

Efron, B. and R.J. Tibshirani. 1998. An Introduction to Bootstrap, Chapman & Hall/CRC, Boca Raton, 1998.

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

Melhorn, W.N., and N.M. Smith, 1959, The Mt. Carmel Fault and Related Structural Features in South-Central Indiana, Indiana Department of Conservation, Geological Survey, Report of Progress No. 16.

U.S. Environmental Protection Agency (U.S. EPA). 2001. Region 9. "Preliminary Remediation Goals".

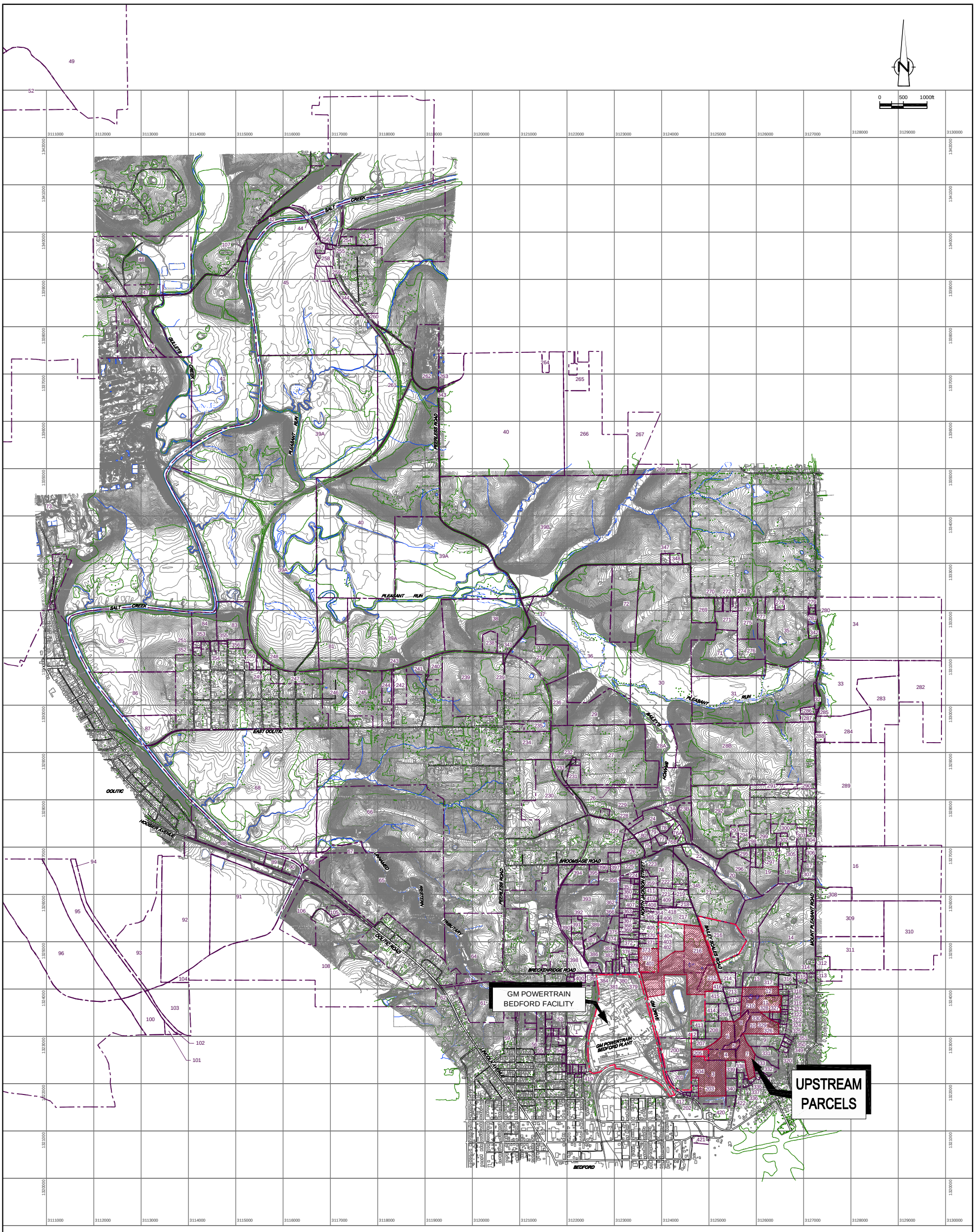
8.0 CONSTRUCTION CERTIFICATION

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.
Project Coordinator

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



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

UPSTREAM PARCELS REMOVAL ACTION

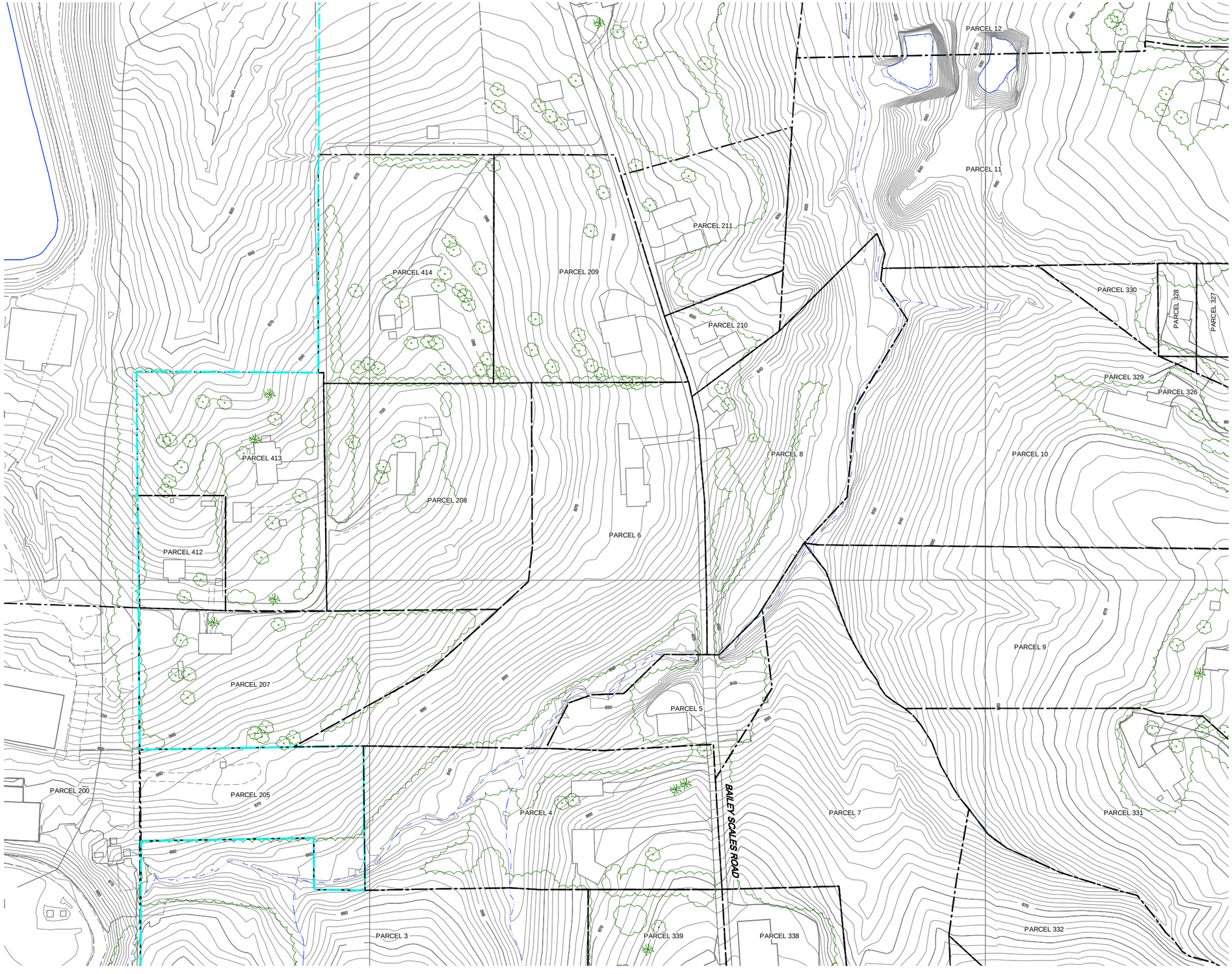
SITE LOCATION
UPSTREAM PARCELS

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
J.M.	P.G.	DECEMBER 2005	
Scale: AS SHOWN	Project No.: 13968-00	Report No.: 117	Drawing No.: figure 1.1

13968-00(117)GN-WA010 FEB 15/2007



N⁰	Revision	Date	Initial

N

0 40 80ft

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

NOTES:

1) THE NORTHERN BOUNDARY OF PARCEL 12 IS LOCATED APPROXIMATELY 200 FEET NORTH OF THE SOUTHERN BOUNDARY. THE PORTION OF PARCEL 12 SHOWN ON THIS FIGURE INCLUDES THE ANTICIPATED WORK AREA FOR PARCEL 12.
2) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

SCALE VERIFICATION

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

Approved

DRAWING STATUS

Status	Date	Initial

GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

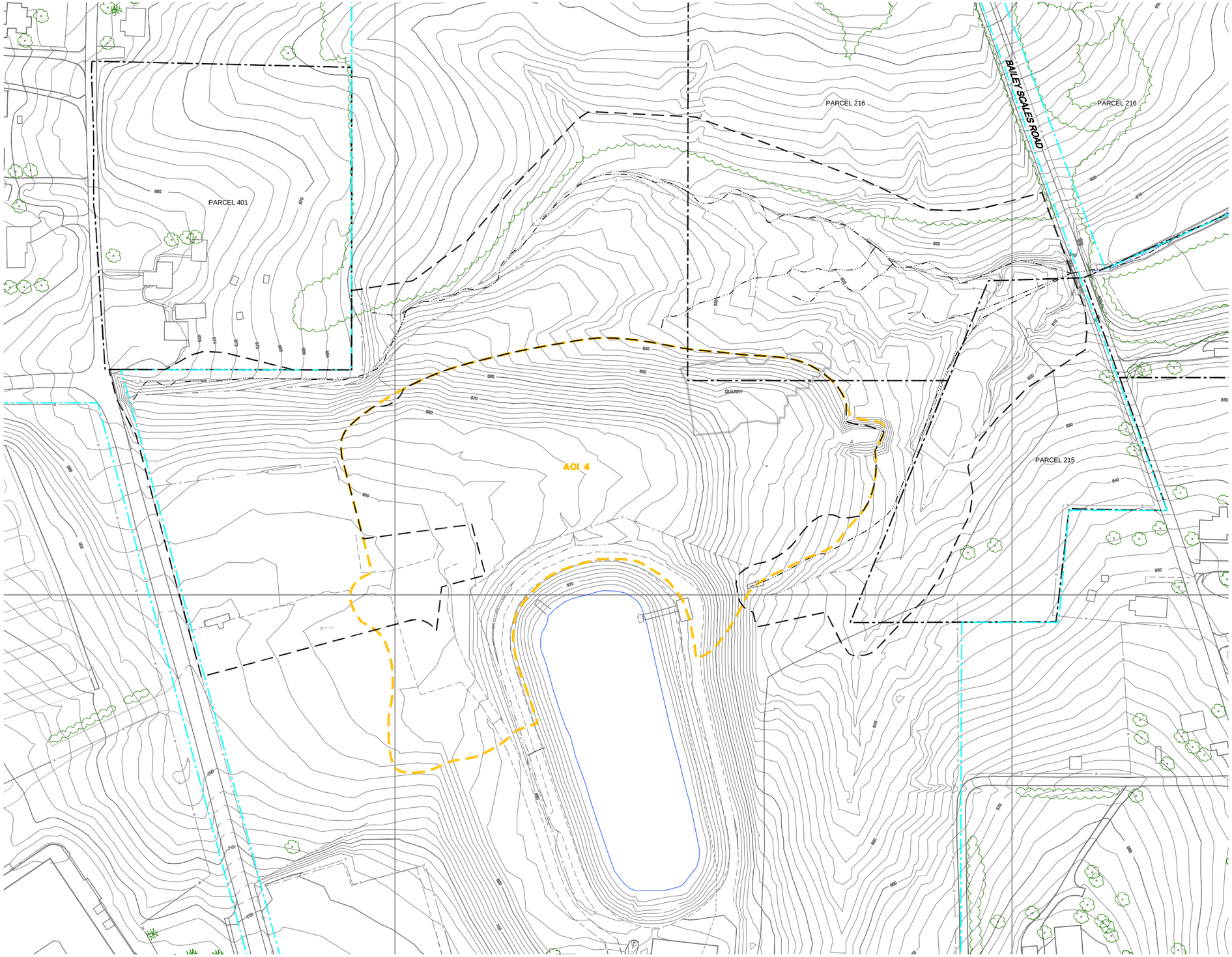
UPSTREAM PARCELS REMOVAL ACTION

SITE PLAN
UPSTREAM PARCELS

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
J.M.	P.G.	DECEMBER 2005	
Scale: AS SHOWN	Project N⁰: 13968-00	Report N⁰: 117	Drawing N⁰: figure 1.2.1



N⁰	Revision	Date	Initial

0 40 80ft

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
- WORK AREA LIMITS
- AOI 4 LIMIT

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

SCALE VERIFICATION

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

Approved

DRAWING STATUS

Status	Date	Initial

GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

UPSTREAM PARCELS REMOVAL ACTION

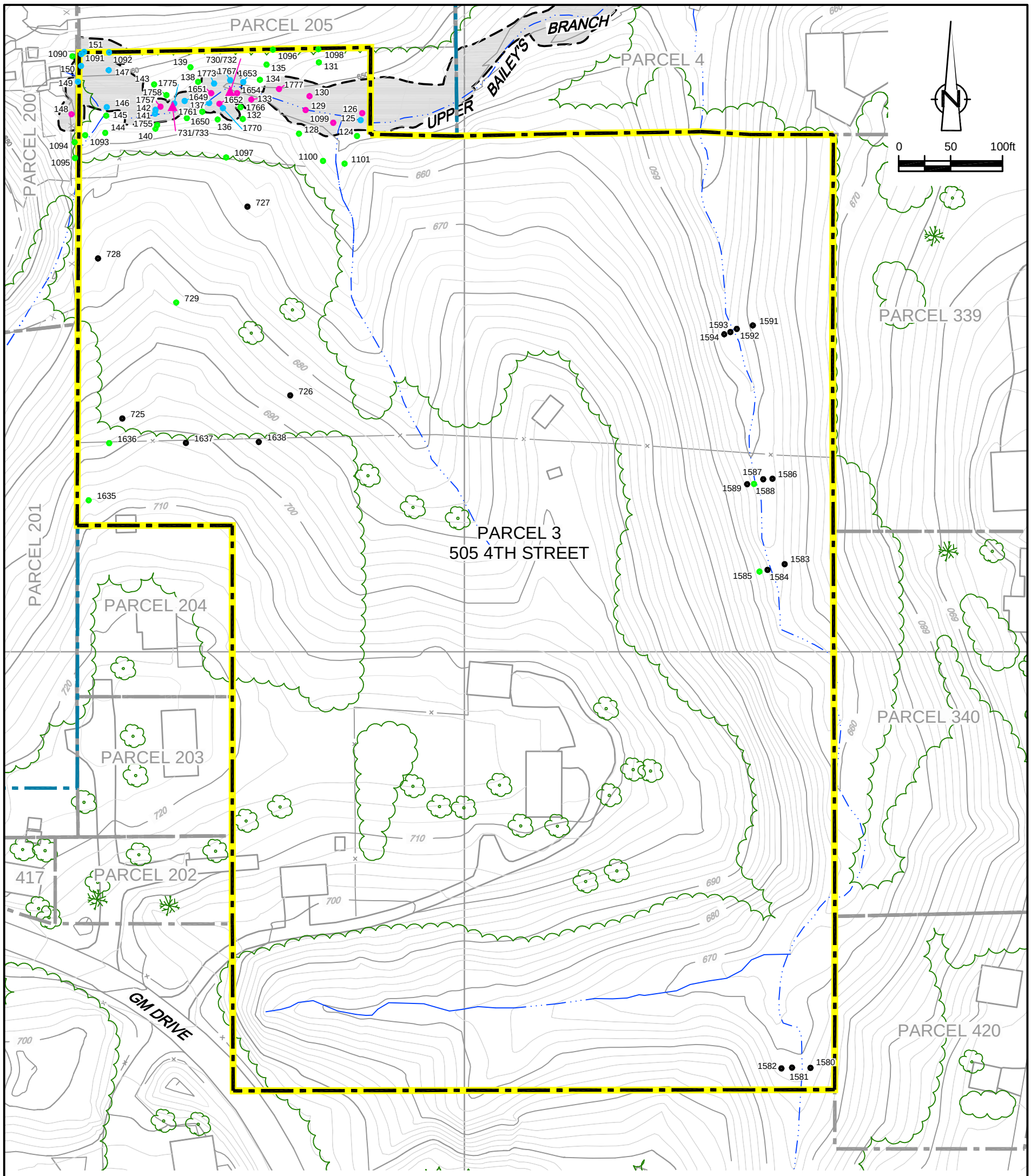
SITE PLAN
AREA NORTH OF AOI 4

CONESTOGA-ROVERS & ASSOCIATES

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

Project Manager:	Reviewed By:	Date:	
J.M.	P.G.	DECEMBER 2005	
Scale: AS SHOWN	Project N⁰: 13968-00	Report N⁰: 117	Drawing N⁰: figure 1.2.2

13968-00(117)GN-WA012 FEB 15/2007



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
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- PARCEL 3 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm
- SEDIMENT - ≥ 50 ppm

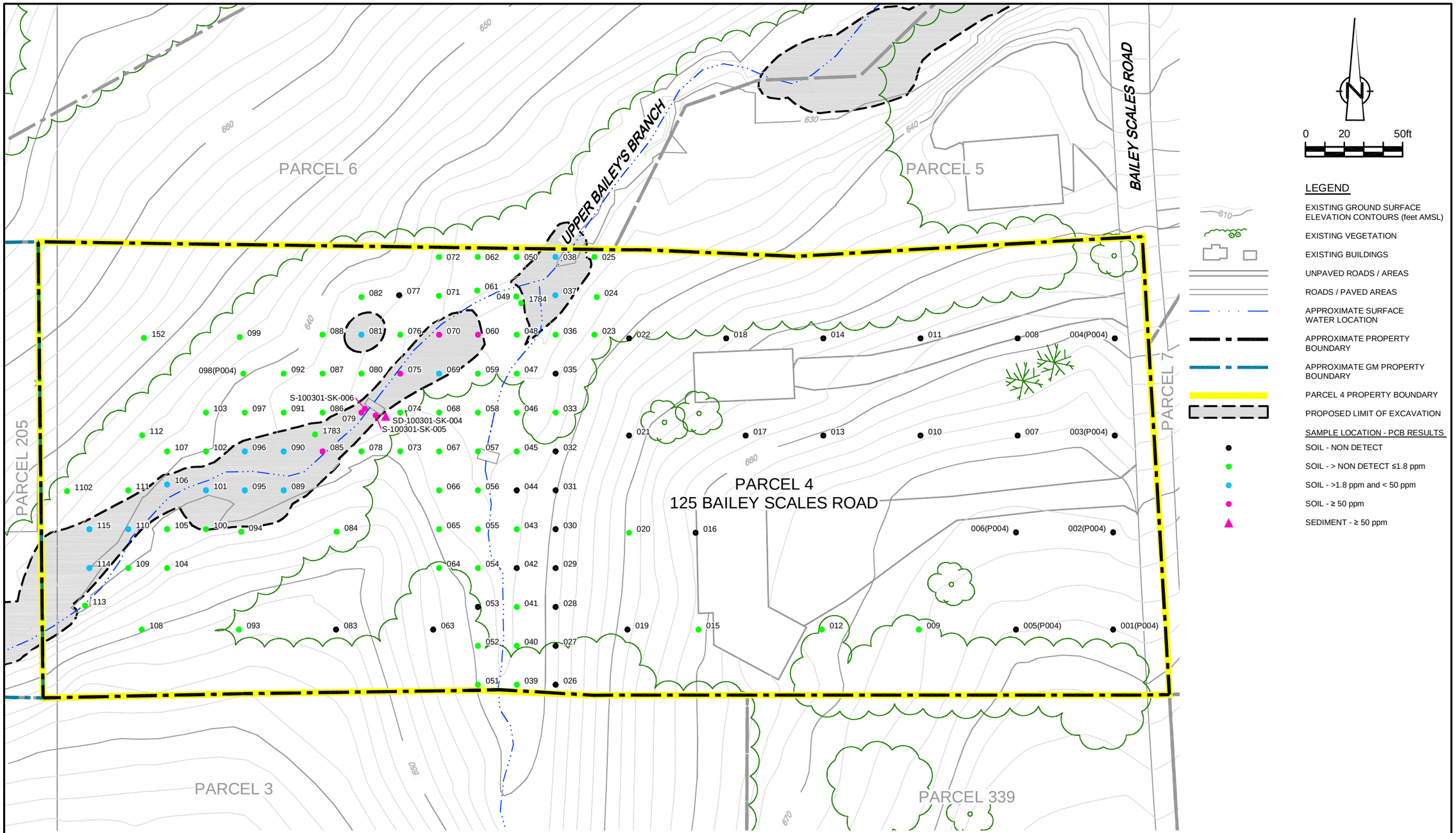
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.1

PARCEL 3 INVESTIGATIVE SAMPLELOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



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

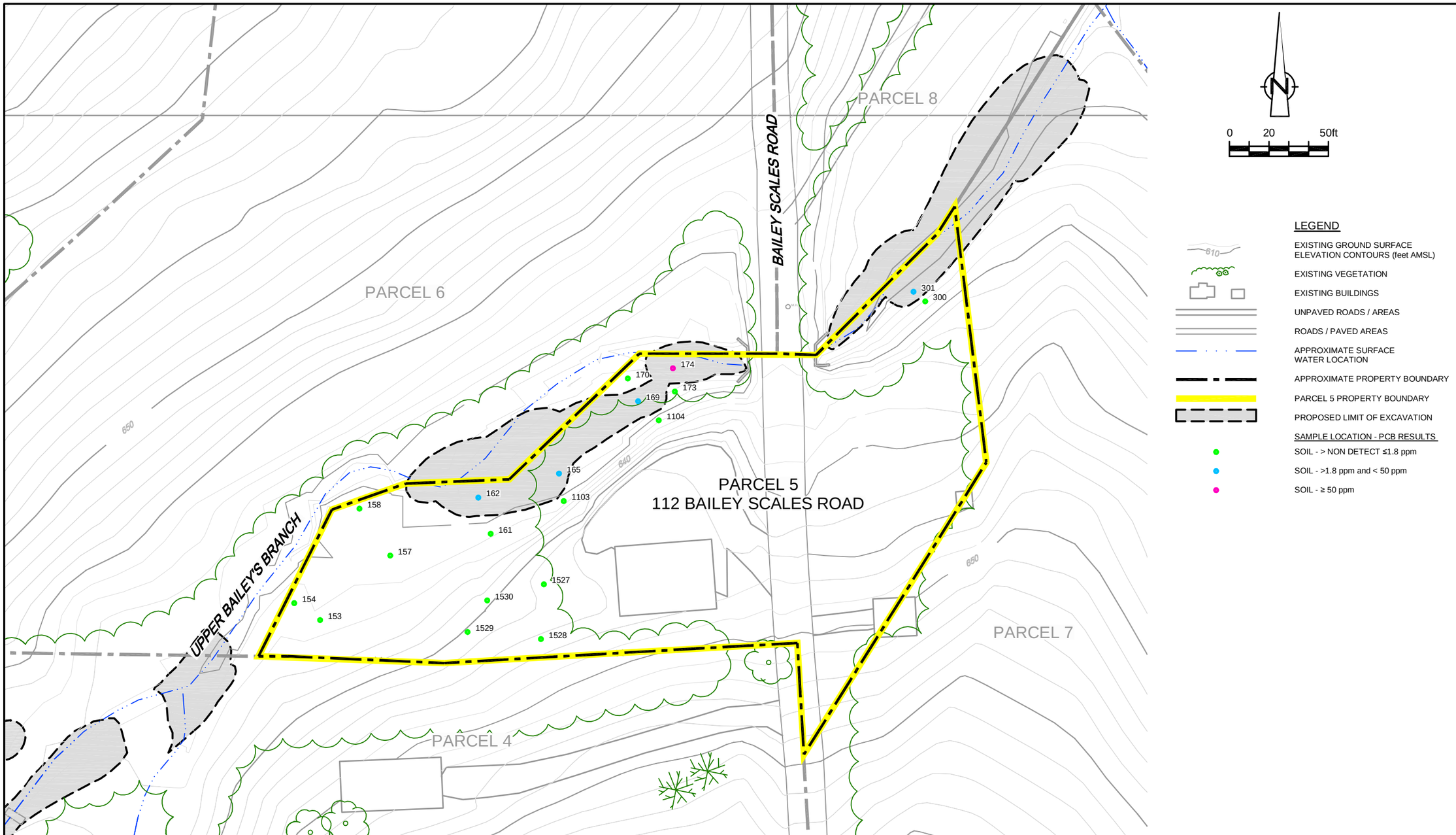
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.2

PARCEL 4 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA002 FEB 15/2007



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

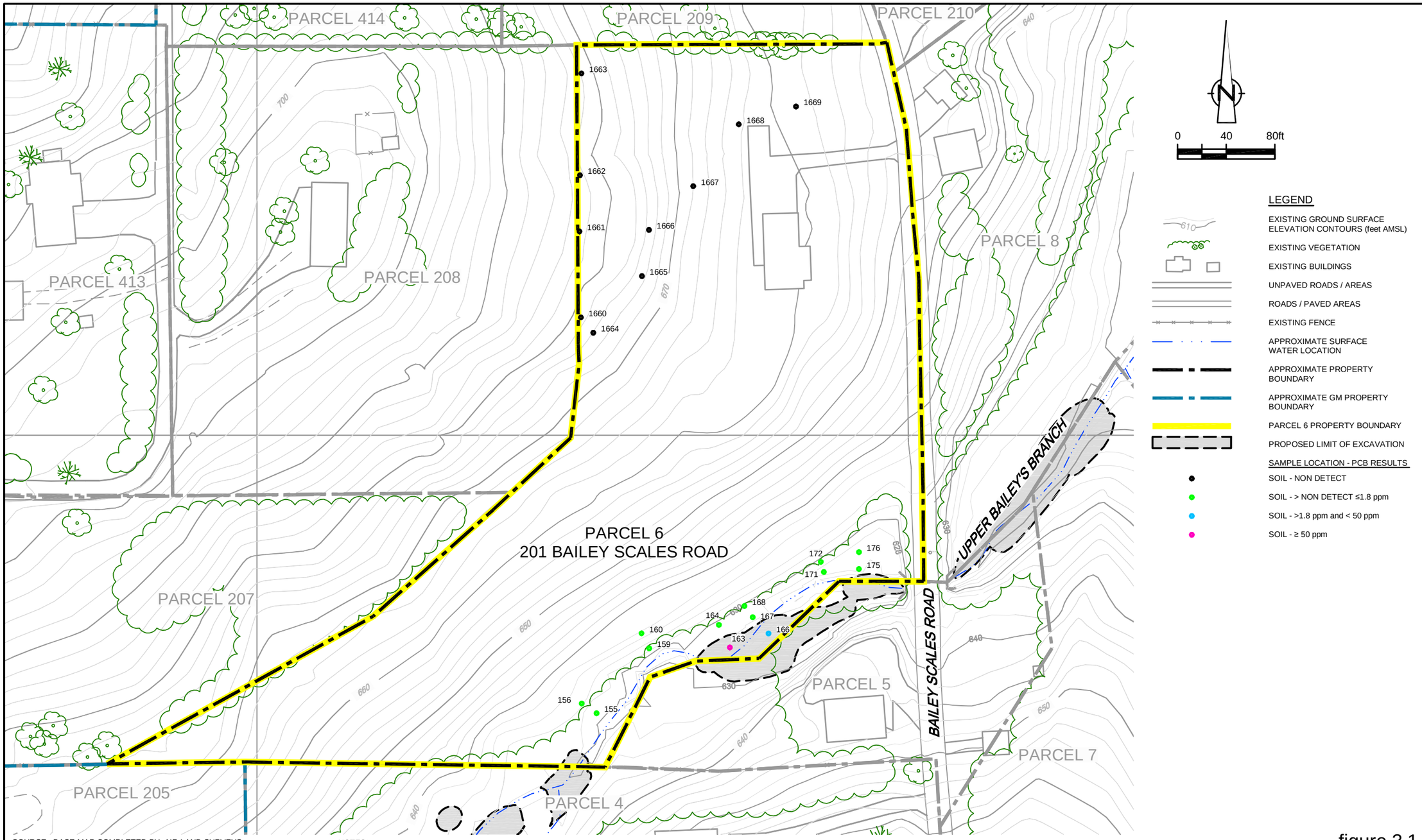
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.3

PARCEL 5 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA003 FEB 15/2007



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

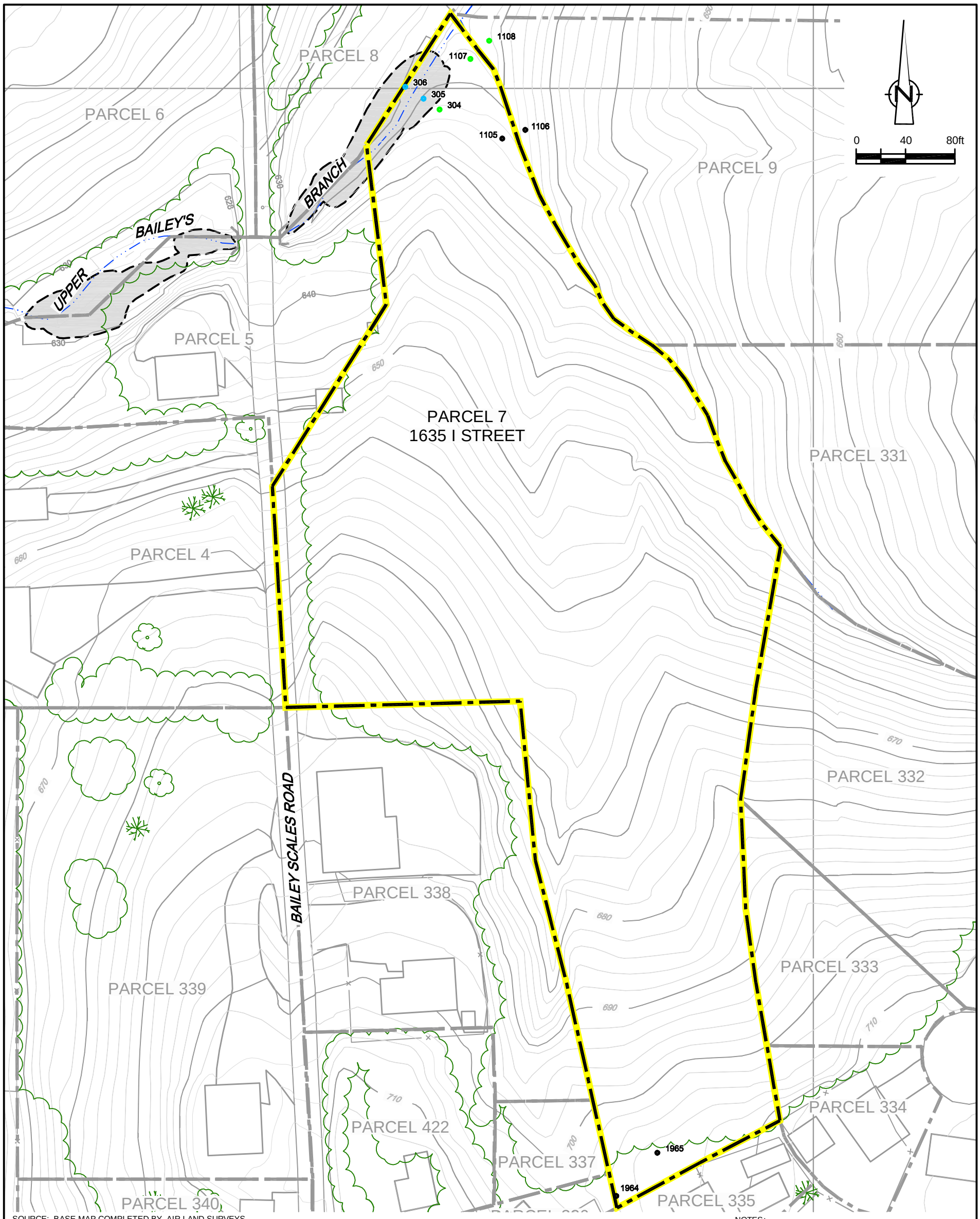
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.4

PARCEL 6 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA004 FEB 15/2007



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
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION
- PARCEL 7 PROPERTY BOUNDARY

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm

NOTES:

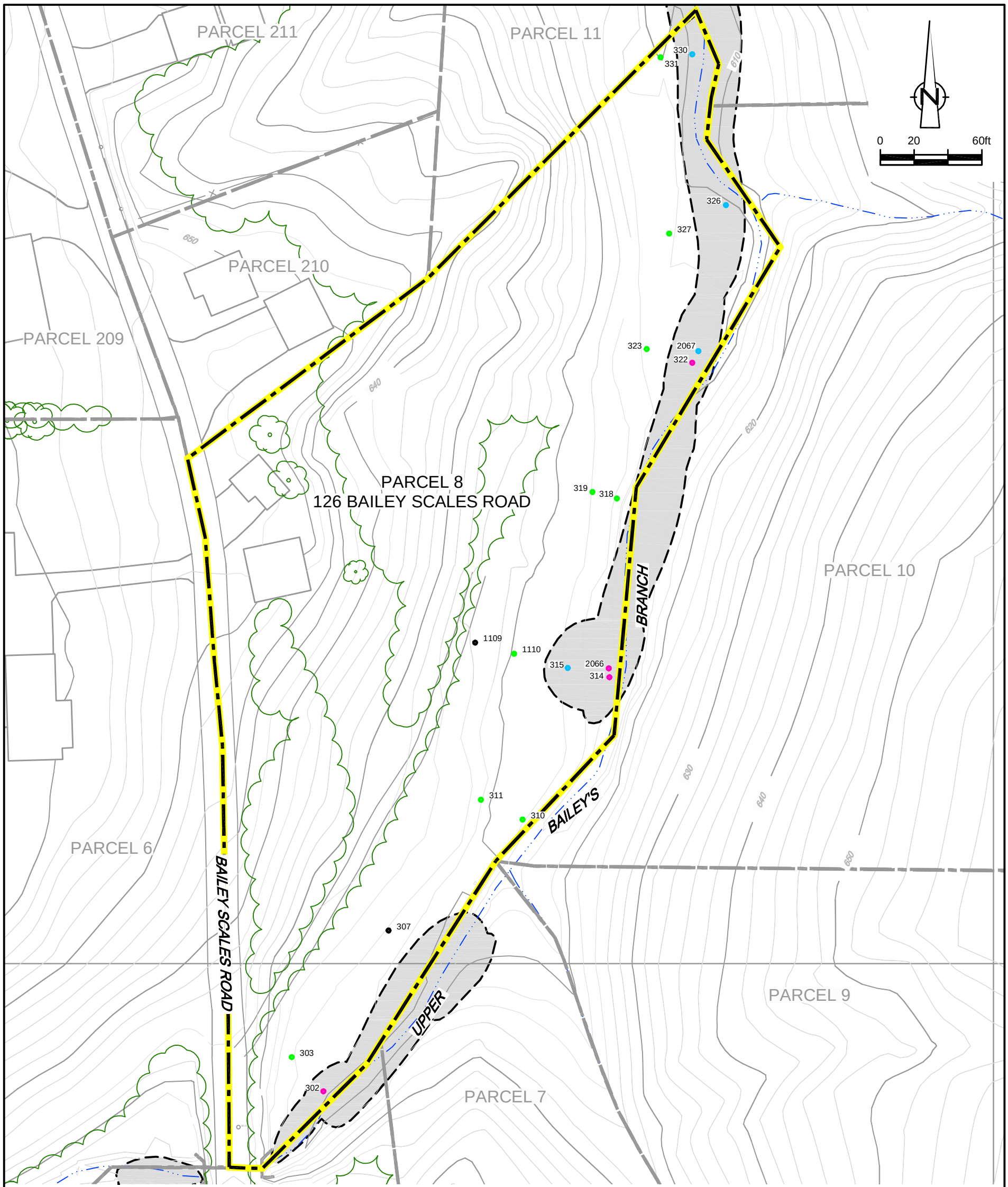
(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.5

PARCEL 7 INVESTIGATIVE SAMPLE LOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA047 FEB 15/2007



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
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- PARCEL 8 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm

NOTES:

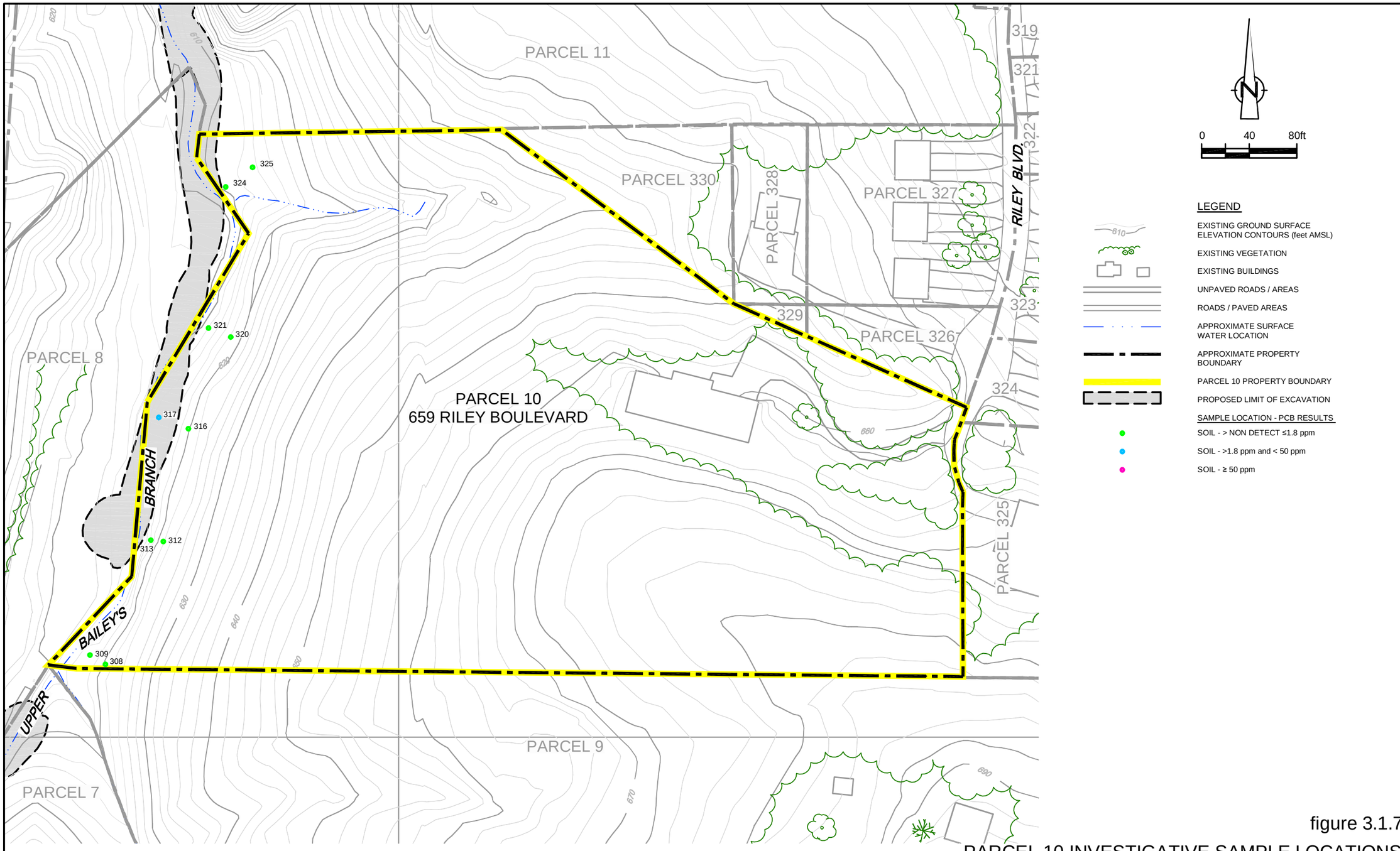
(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.6

PARCEL 8 INVESTIGATIVE SAMPLELOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA048 FEB 15/2007



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

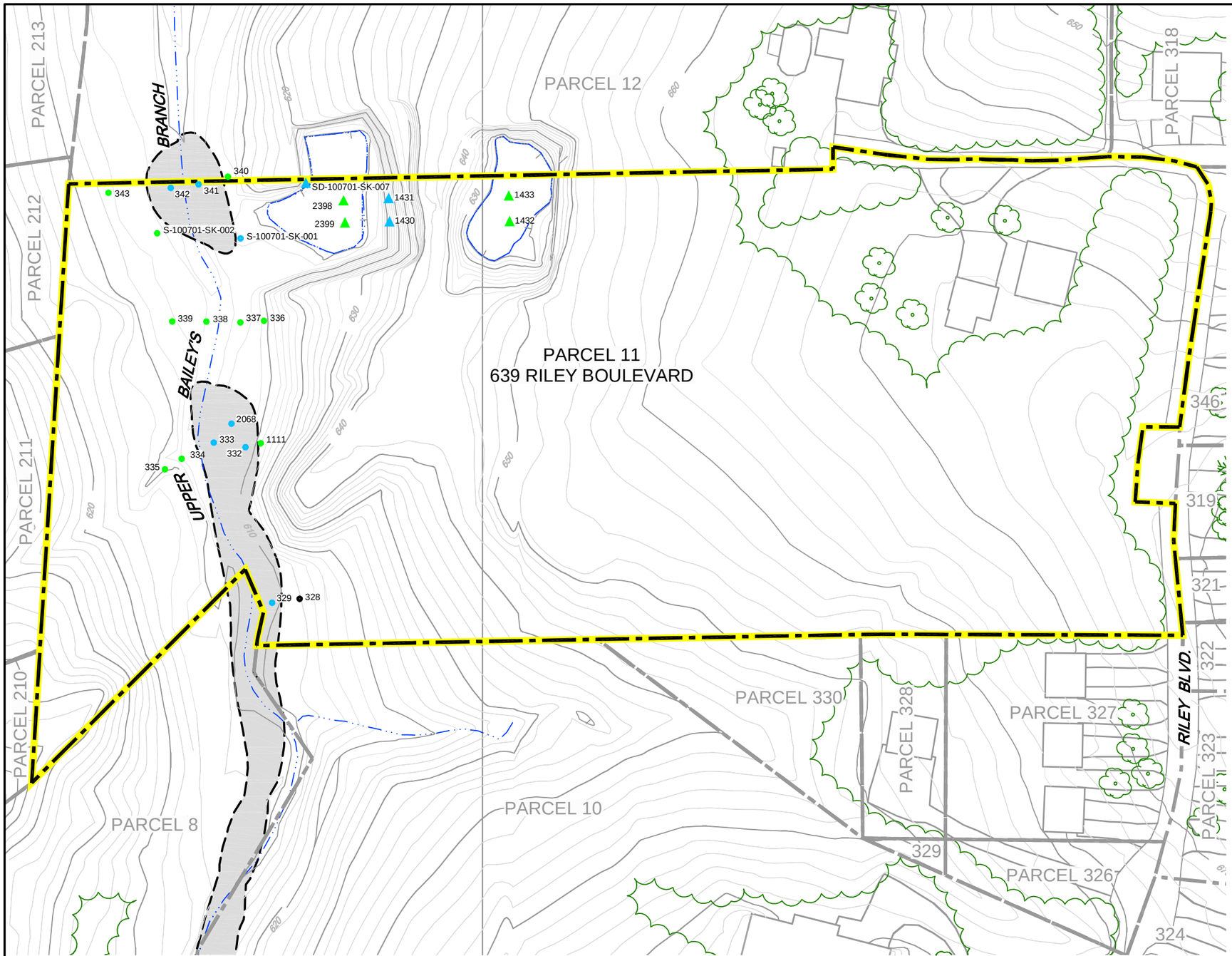
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.7

PARCEL 10 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA049 FEB 15/2007



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- PARCEL 11 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm
- SEDIMENT - > NON DETECT ≤1 ppm
- SEDIMENT - >1 ppm and < 50 ppm

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

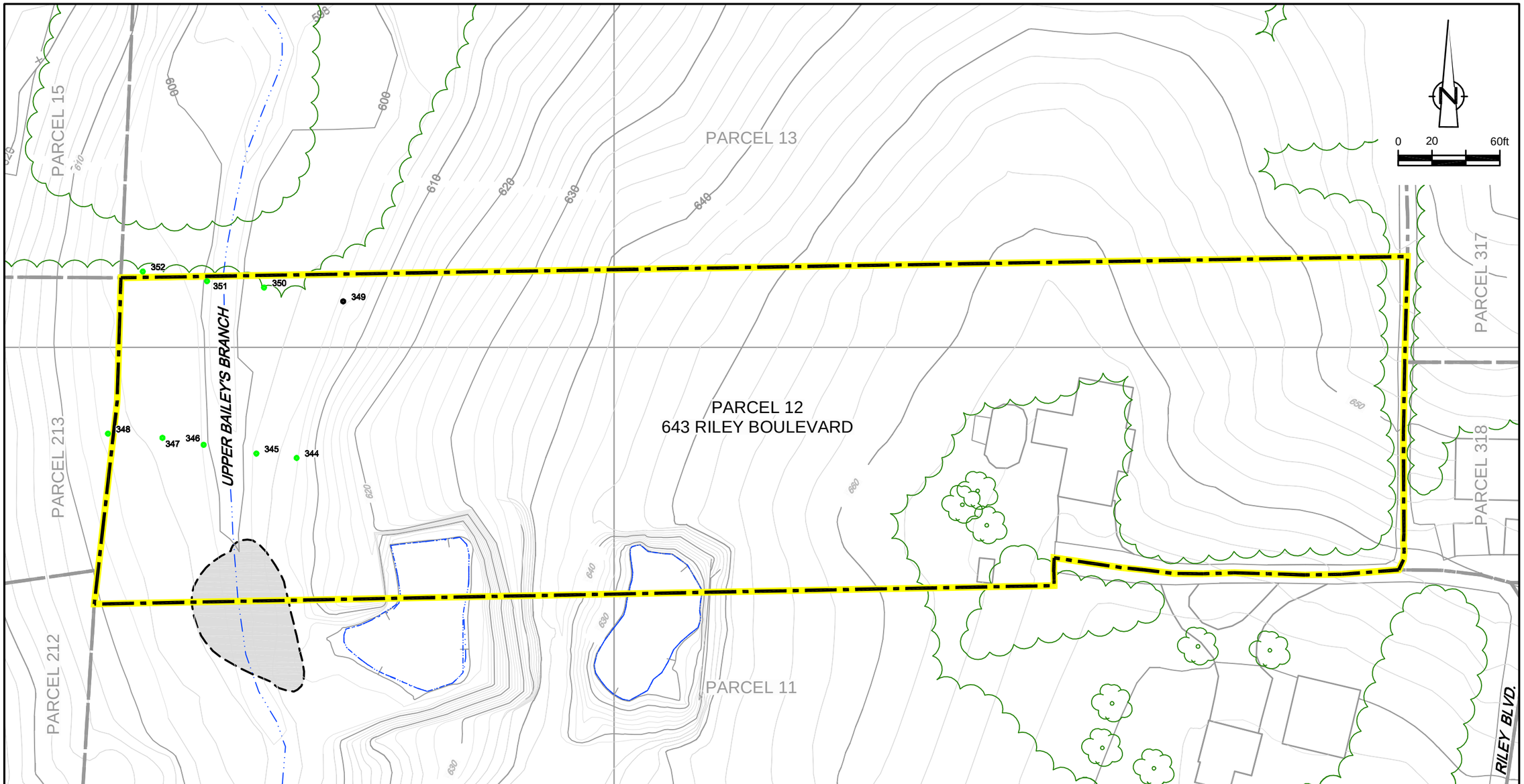
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.8

PARCEL 11 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA050 FEB 15/2007



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

NOTES:

(1) 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
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- PARCEL 12 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

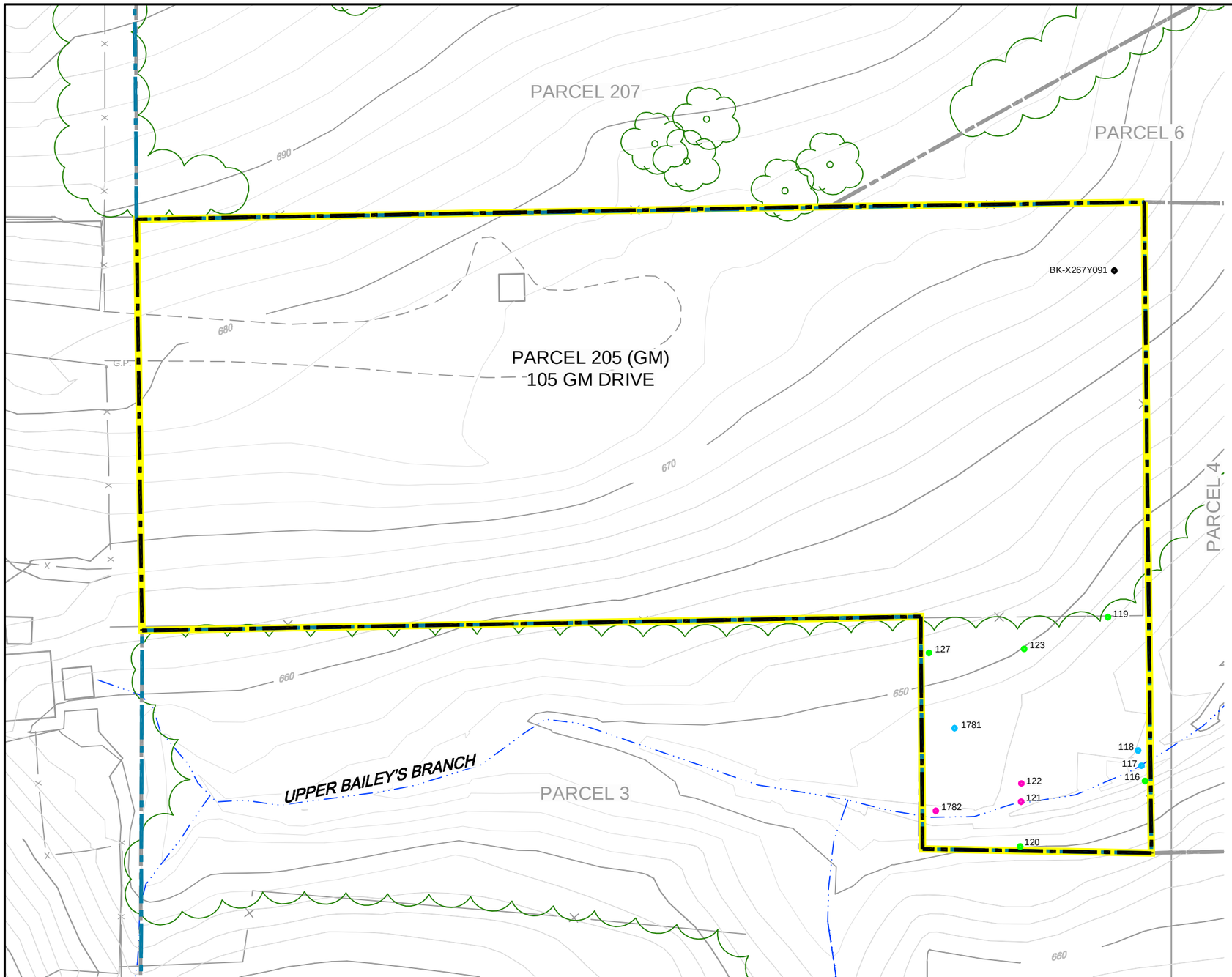
- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm

figure 3.1.9

PARCEL 12 INVESTIGATIVE SAMPLE LOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA051 FEB 15/2007



0 20 40ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- UNPAVED ROADS / AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- PARCEL 205 PROPERTY BOUNDARY

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

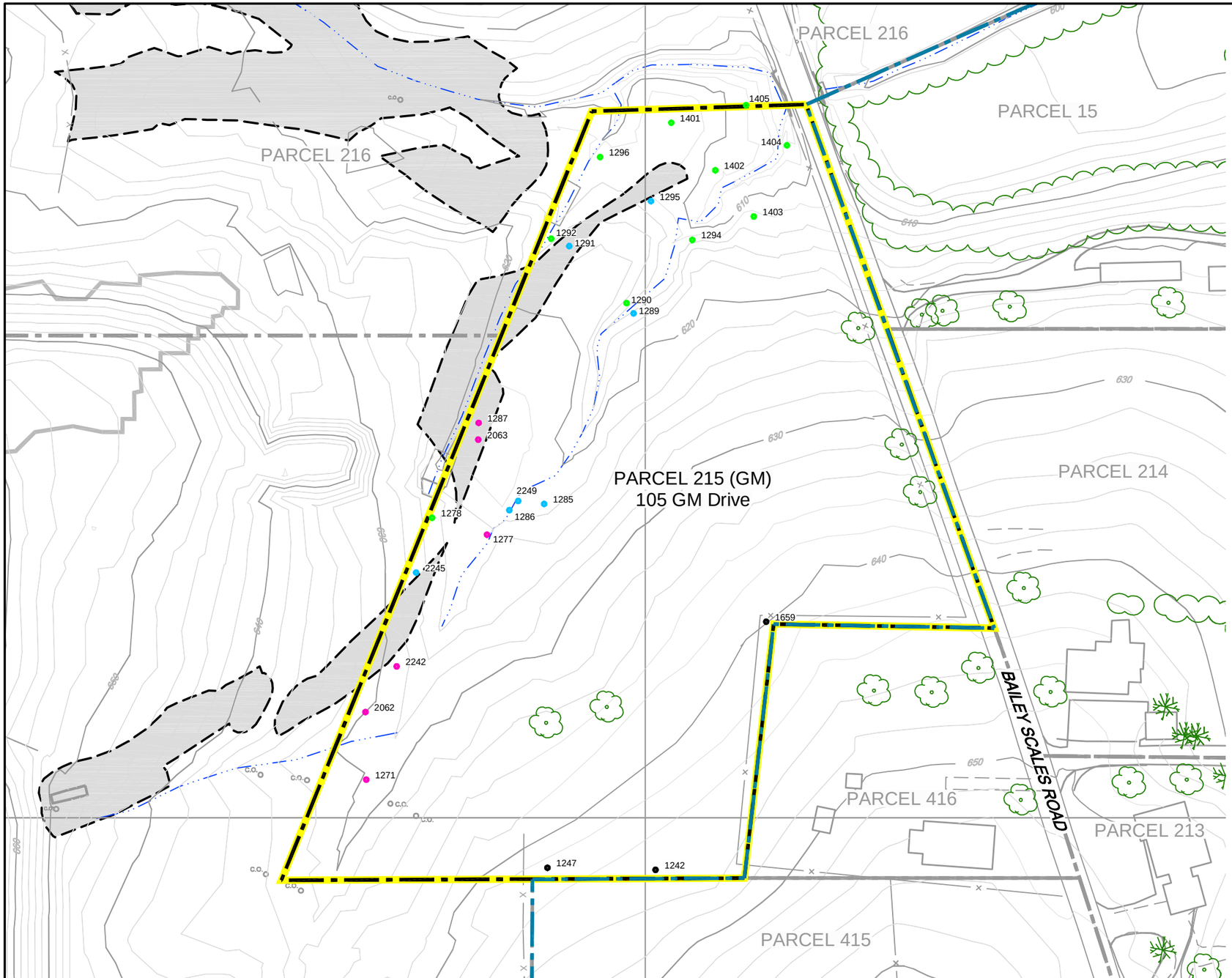
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

figure 3.1.10

PARCEL 205 INVESTIGATIVE SAMPLE LOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA052 FEB 15/2007



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- PARCEL 215 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm

NOTES:

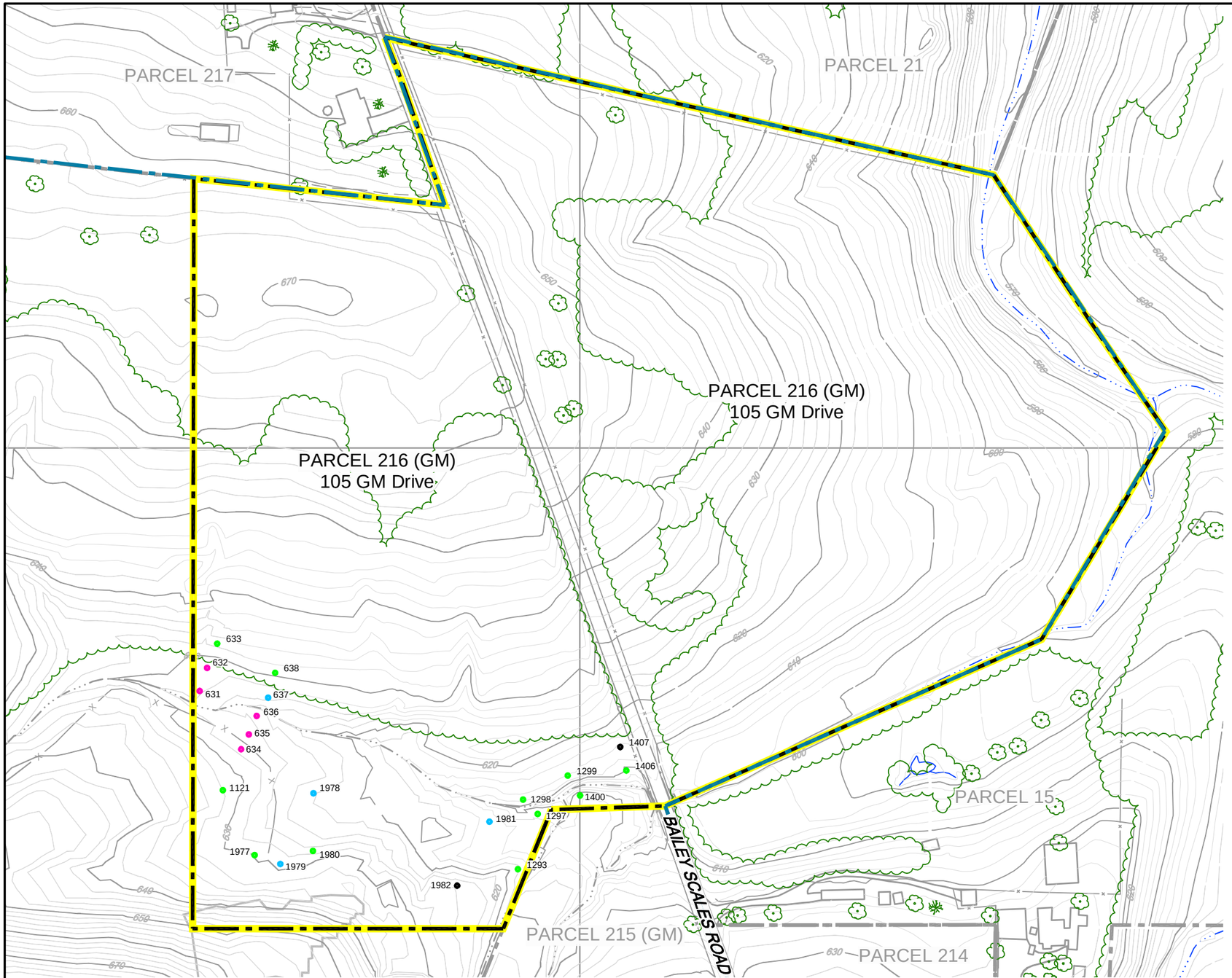
(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

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

figure 3.1.11

PARCEL 215 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA053 FEB 15/2007



0 60 150ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- PARCEL 216 PROPERTY BOUNDARY

SAMPLE LOCATION - PCB RESULTS

- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

(2) PARCEL 216 EAST OF BAILEY SCALES ROAD WAS PART OF THE DOWNSTREAM PARCELS REMOVAL ACTION WORK PLAN AND THE PORTION OF THE PARCEL EAST OF BAILEY SCALES ROAD WILL BE DISCUSSED IN THE FINAL CONSTRUCTION CERTIFICATION REPORT FOR THE DOWNSTREAM PARCELS WORK PLAN

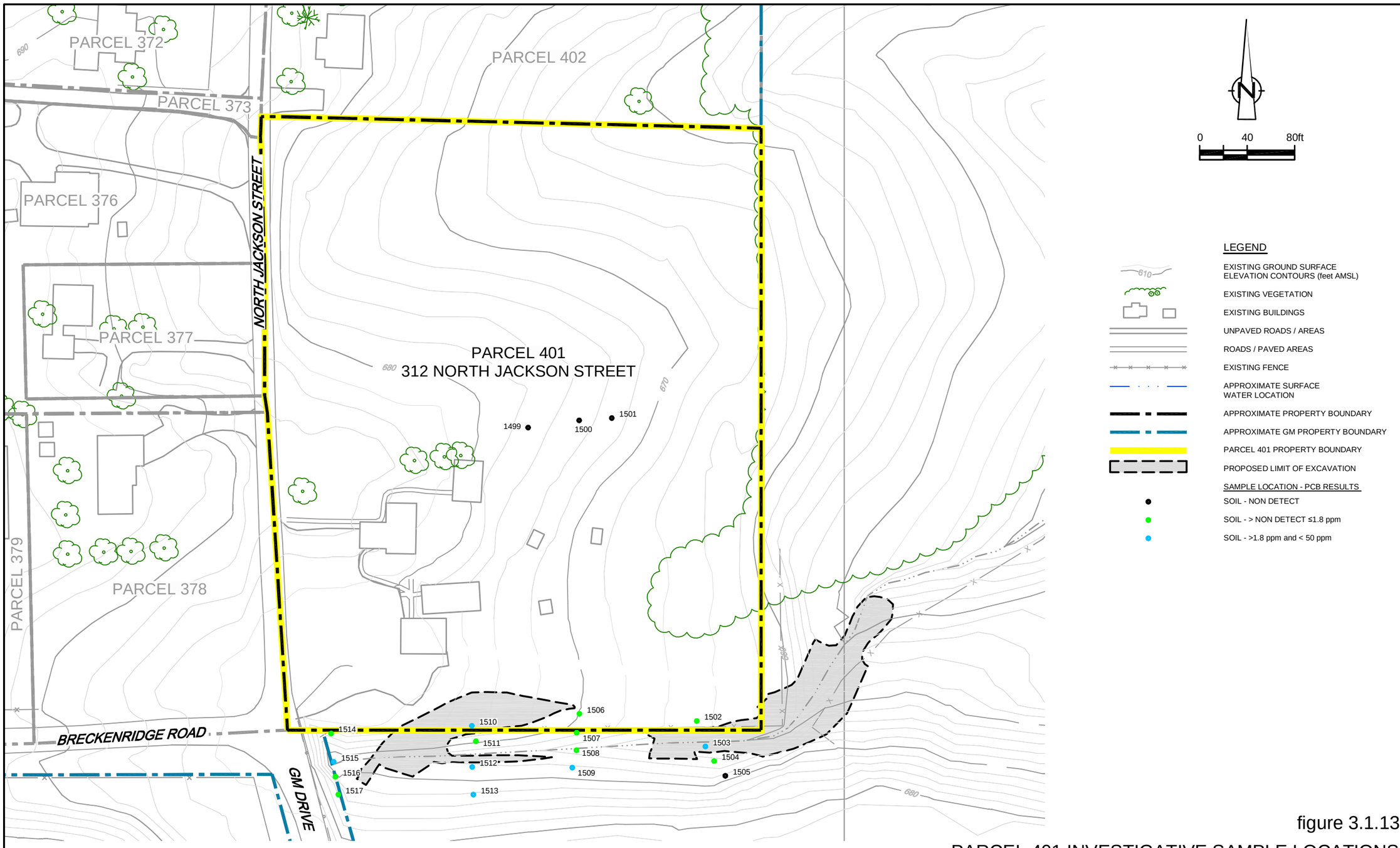
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

figure 3.1.12

PARCEL 216 INVESTIGATIVE SAMPLE LOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD PLANT

Bedford, Indiana

13968-00(117)GN-WA054 FEB 15/2007



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

NOTES:

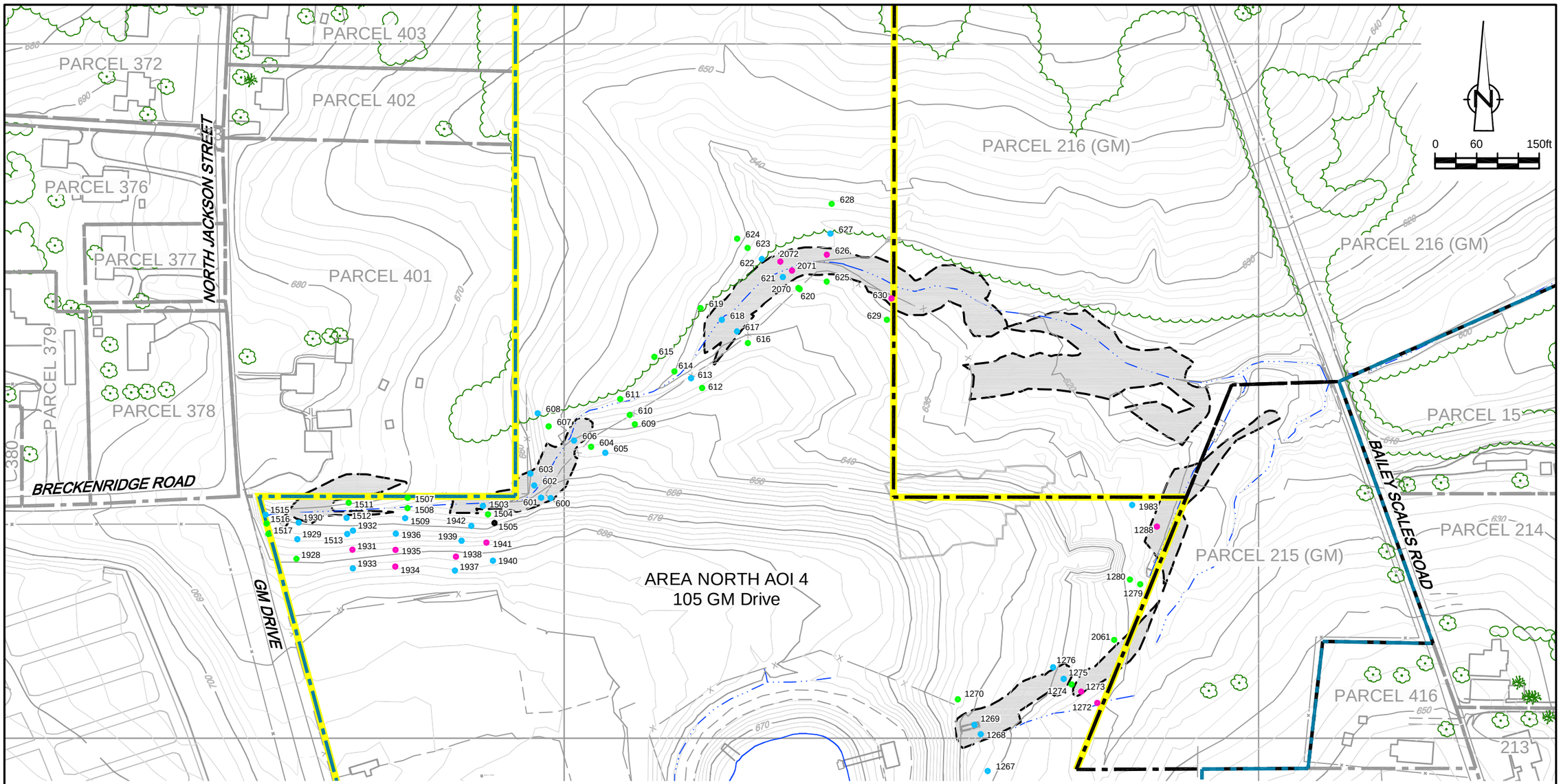
(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 3.1.13

PARCEL 401 INVESTIGATIVE SAMPLE LOCATIONS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD PLANT

Bedford, Indiana

13968-00(117)GN-WA055 FEB 15/2007



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

NOTES:

(1) 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
- UNPAVED ROADS / AREAS
- ROADS / PAVED AREAS
- EXISTING FENCE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- AREA NORTH OF AOI 4 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION - PCB RESULTS

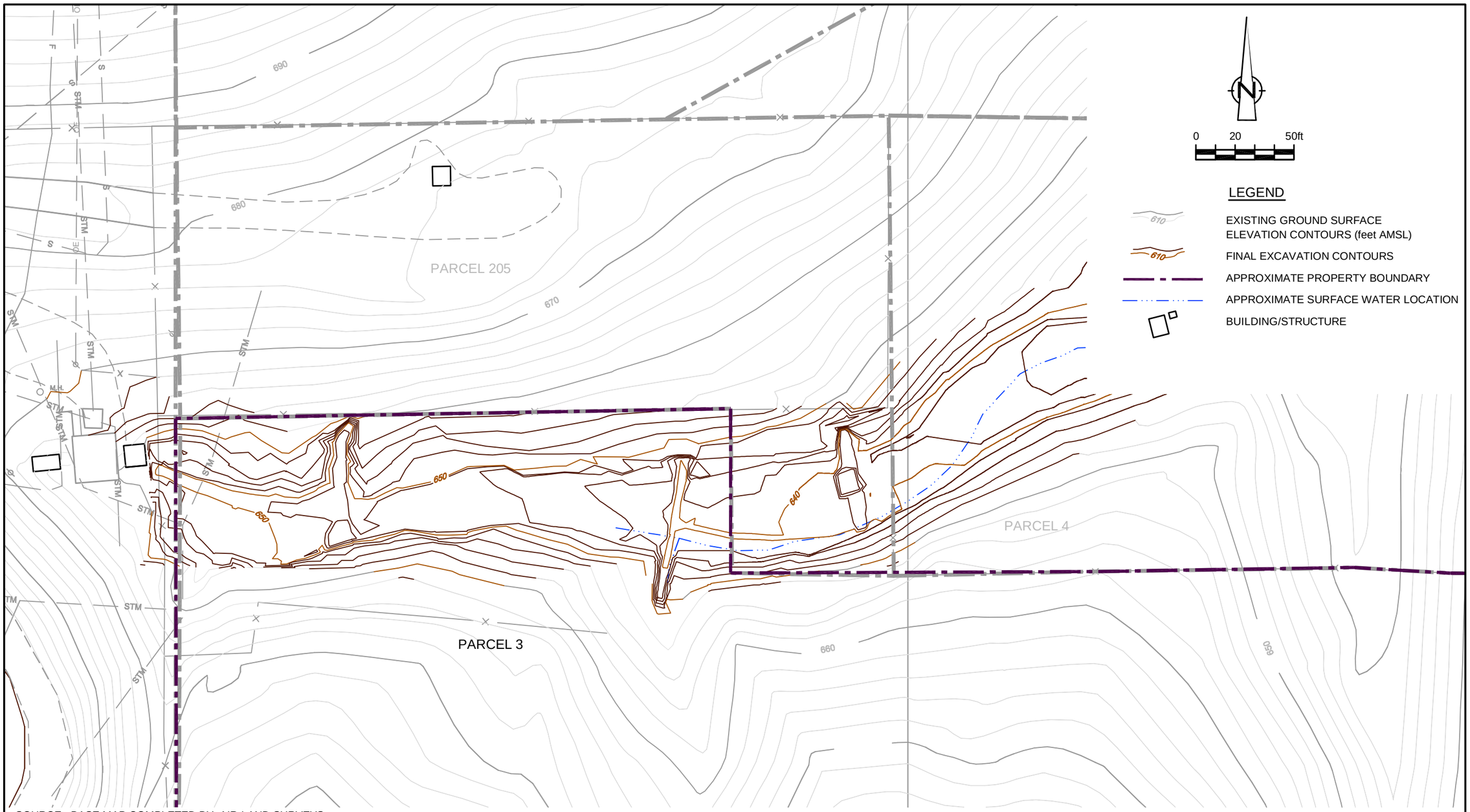
- SOIL - NON DETECT
- SOIL - > NON DETECT ≤1.8 ppm
- SOIL - >1.8 ppm and < 50 ppm
- SOIL - ≥ 50 ppm

figure 3.1.14

AREA NORTH OF AOI 4 INVESTIGATIVE SAMPLE LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA056 FEB 15/2007



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

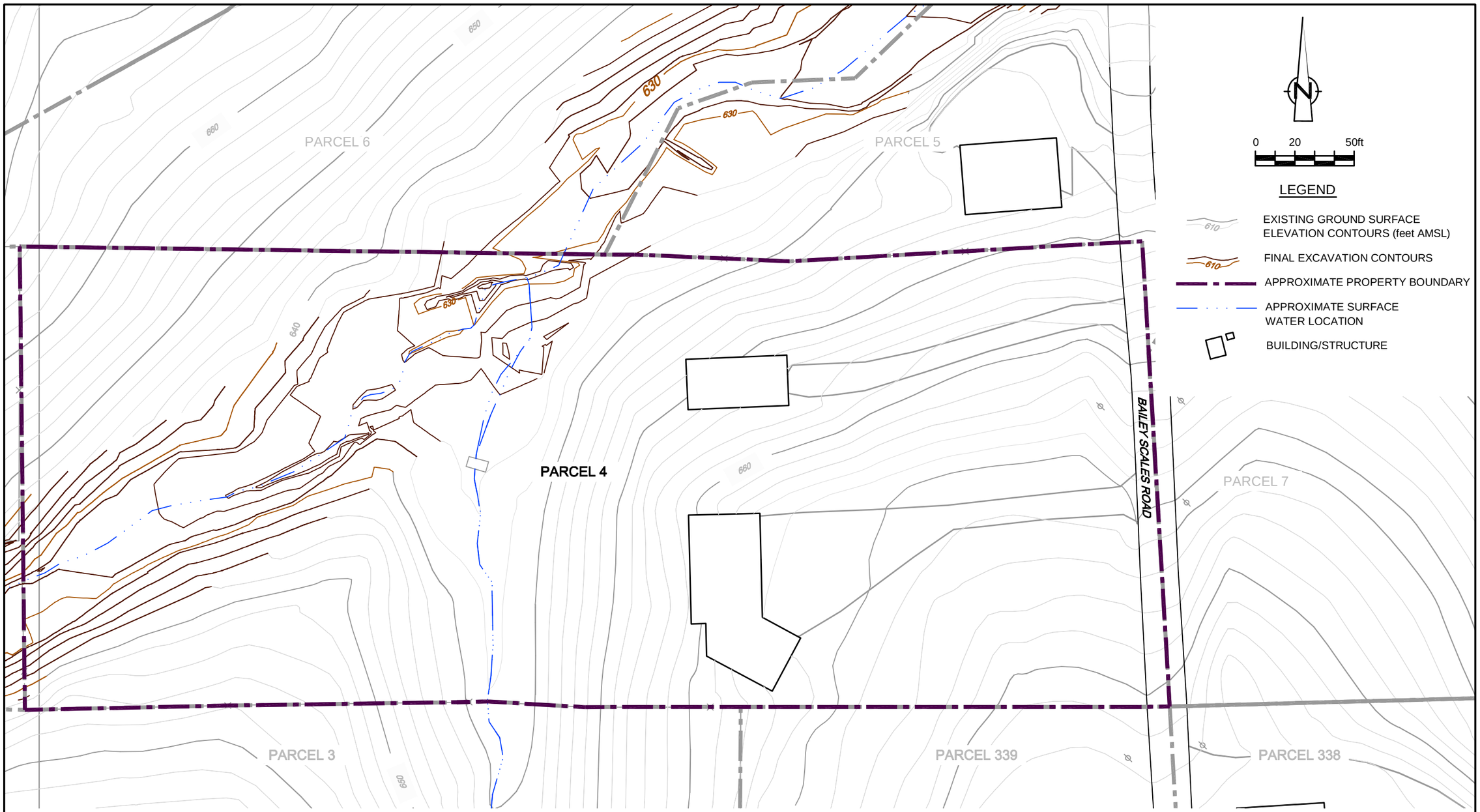
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.1

PARCEL 3 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA090 FEB 15/2007



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

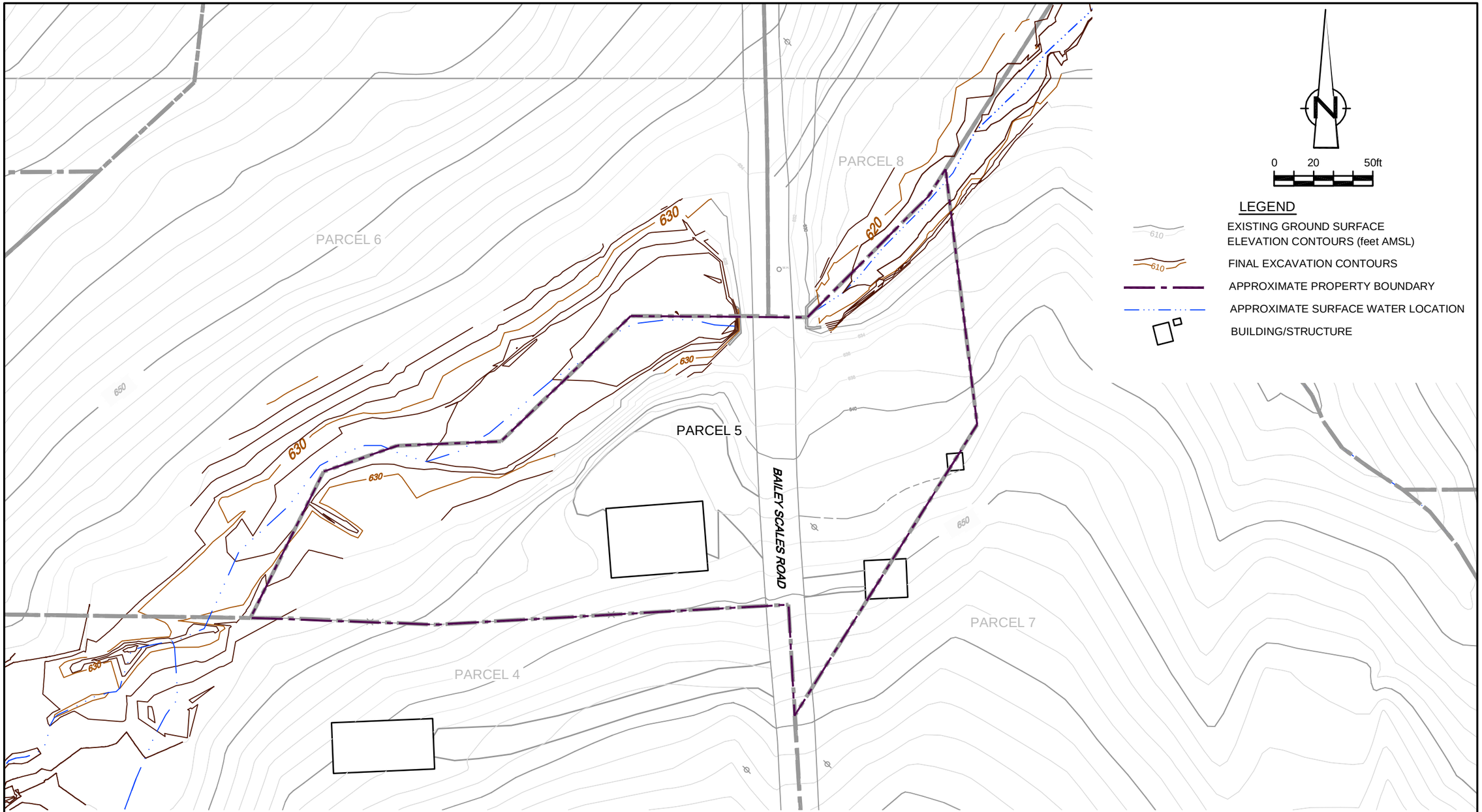
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.2

PARCEL 4 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA021 FEB 15/2007



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

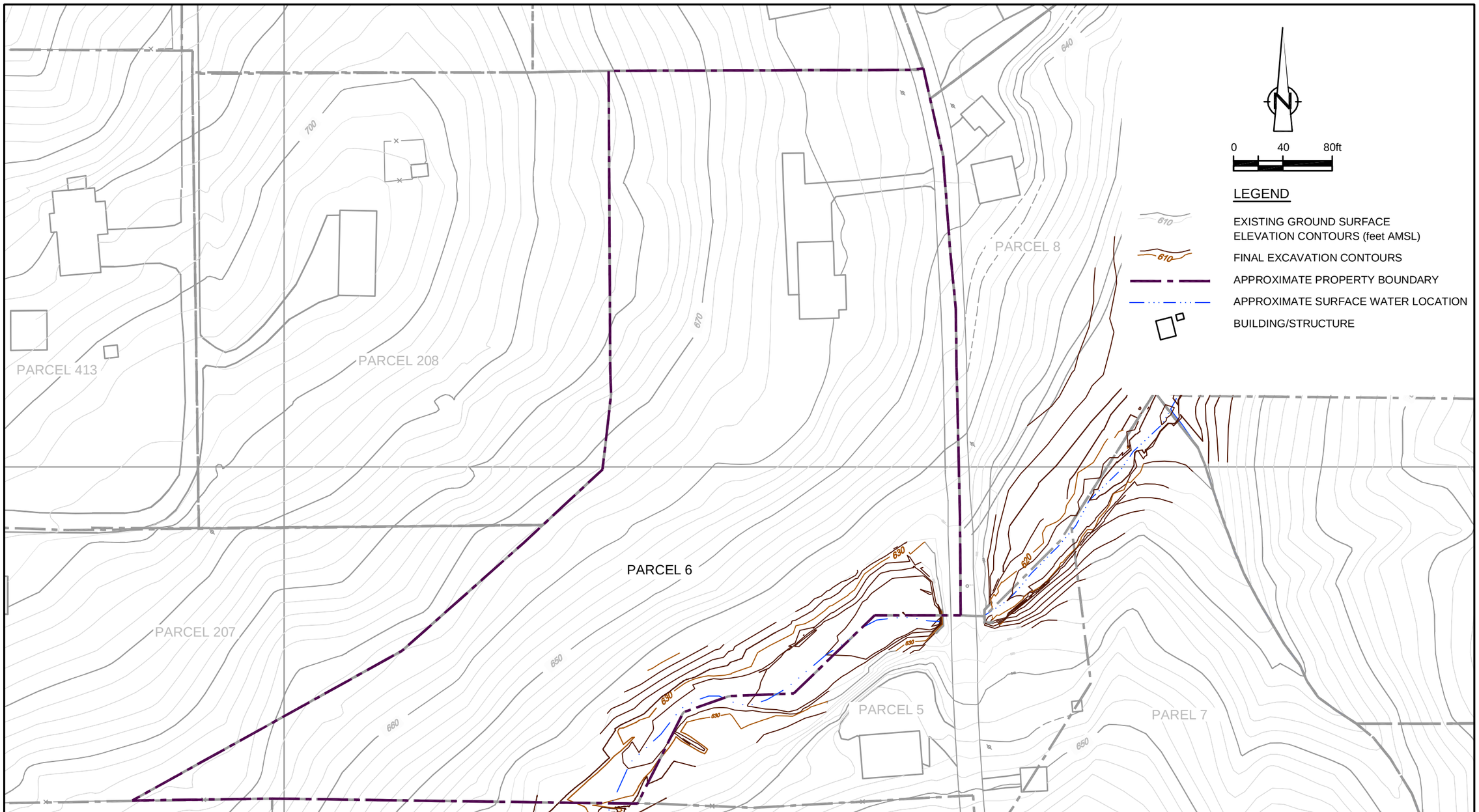
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.3

PARCEL 5 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA023 FEB 15/2007



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

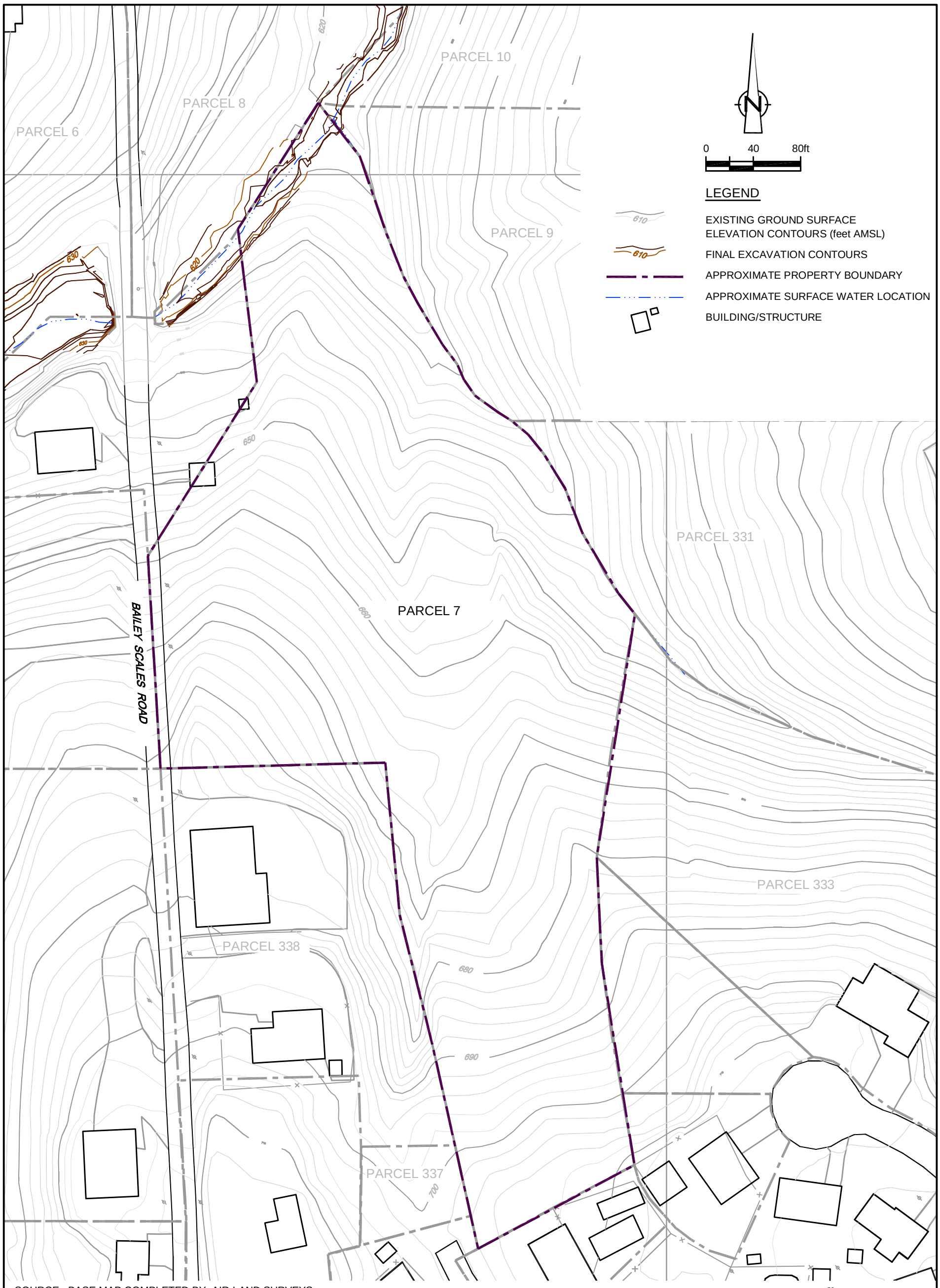
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.4

PARCEL 6 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA024 FEB 15/2007



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

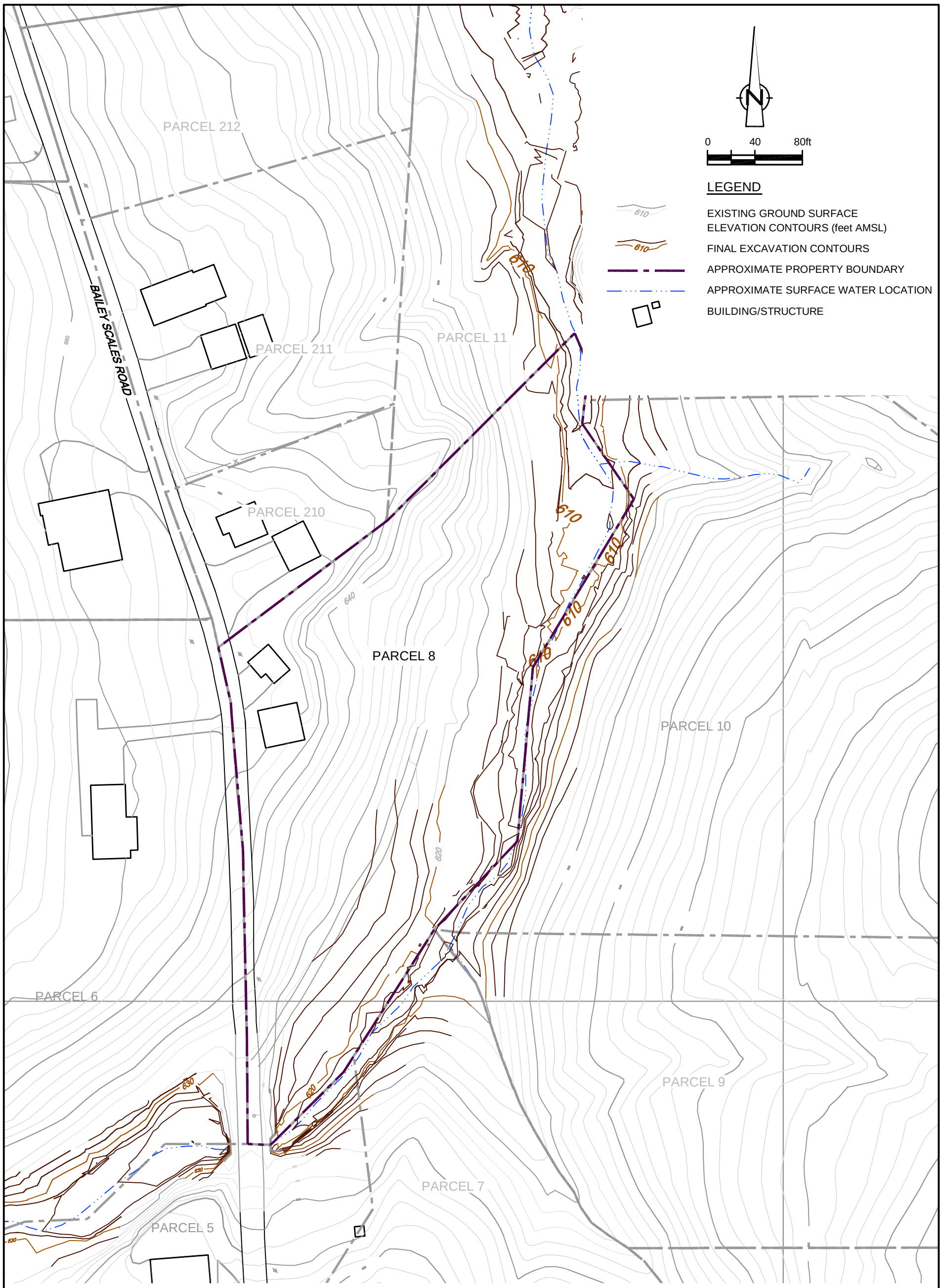
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.5

PARCEL 7 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA057 FEB 15/2007



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

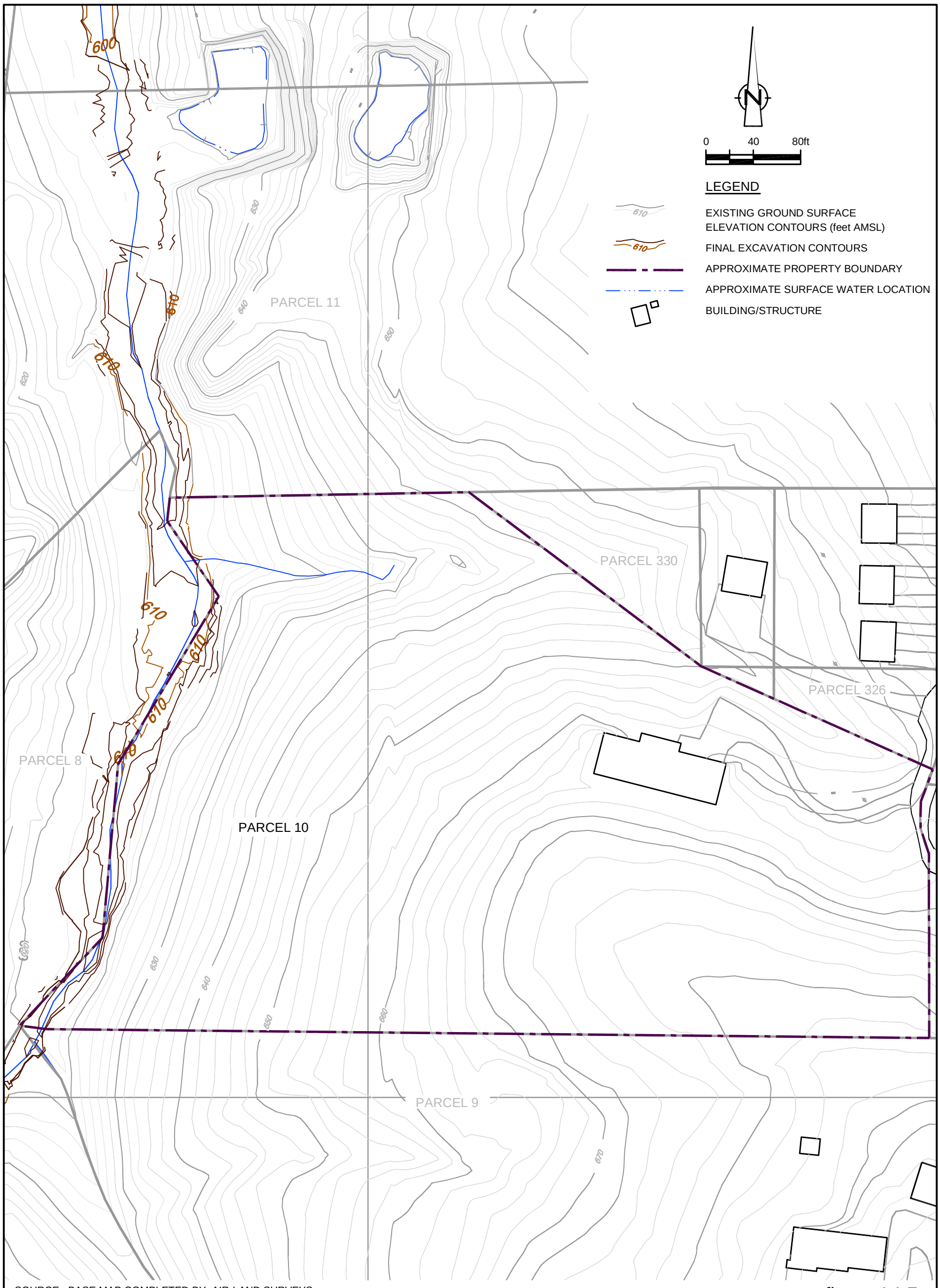
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.6

PARCEL 8 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA058 FEB 15/2007



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

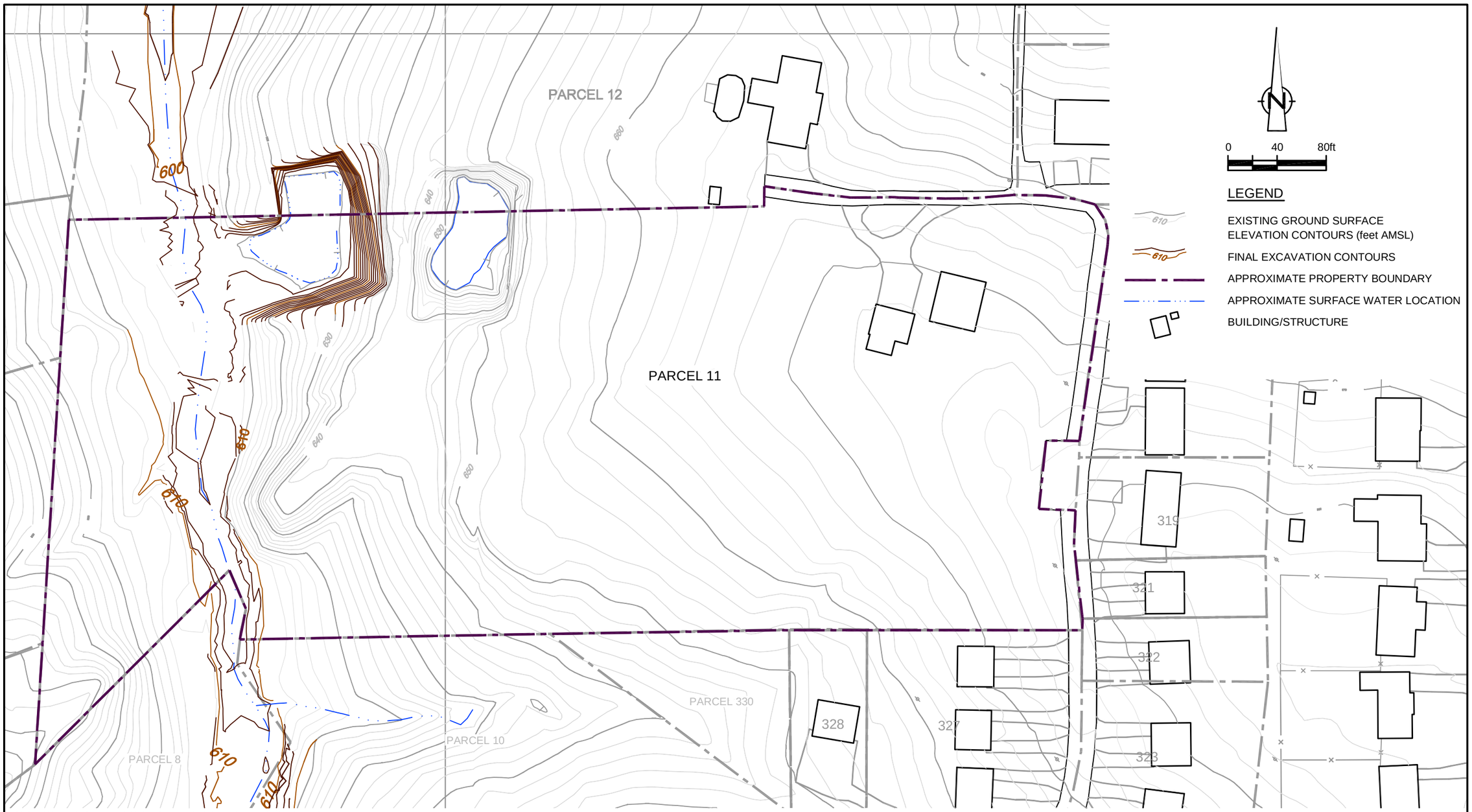
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.7

PARCEL 10 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA059 FEB 15/2007



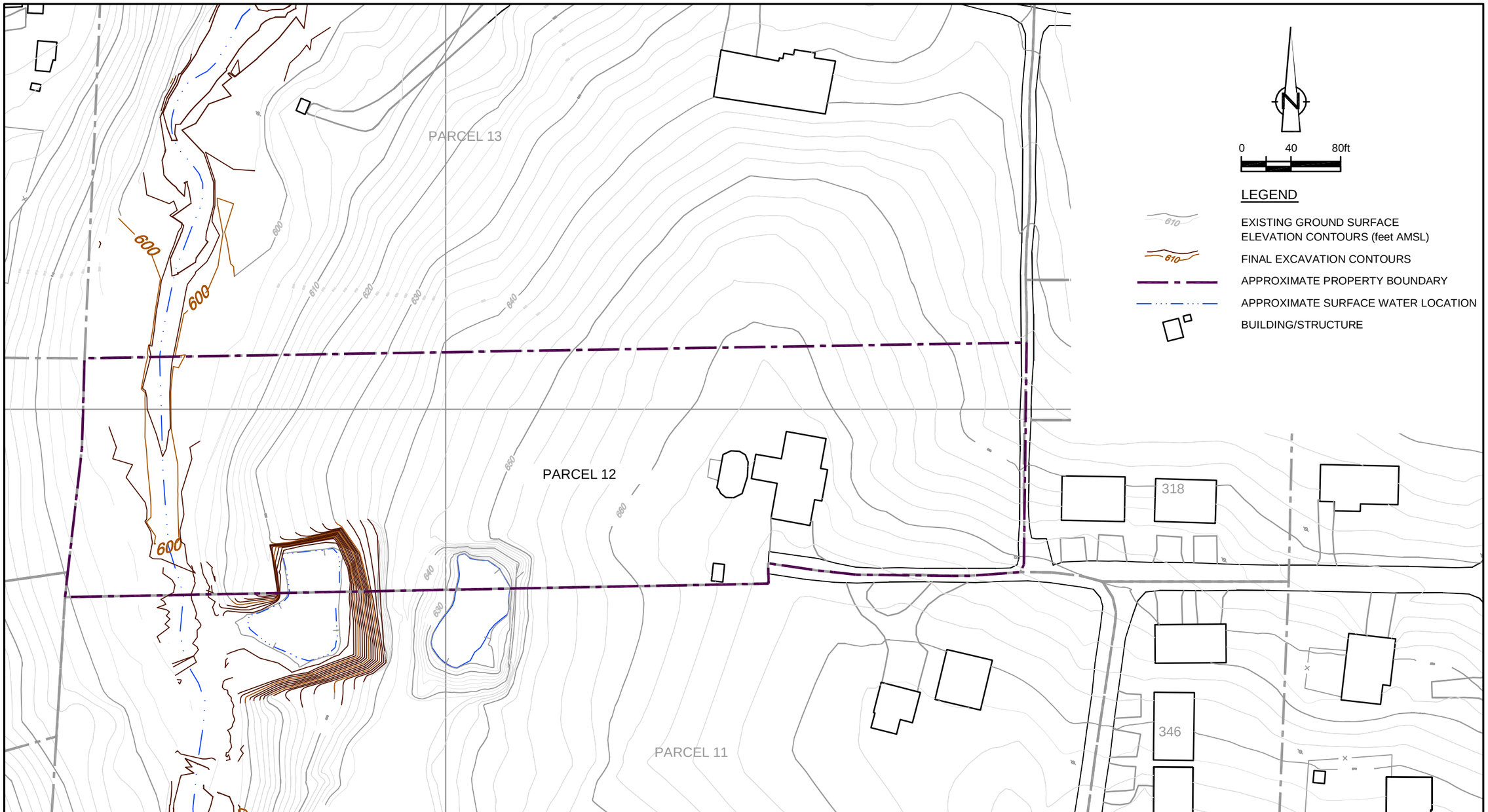
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.8

PARCEL 11COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



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

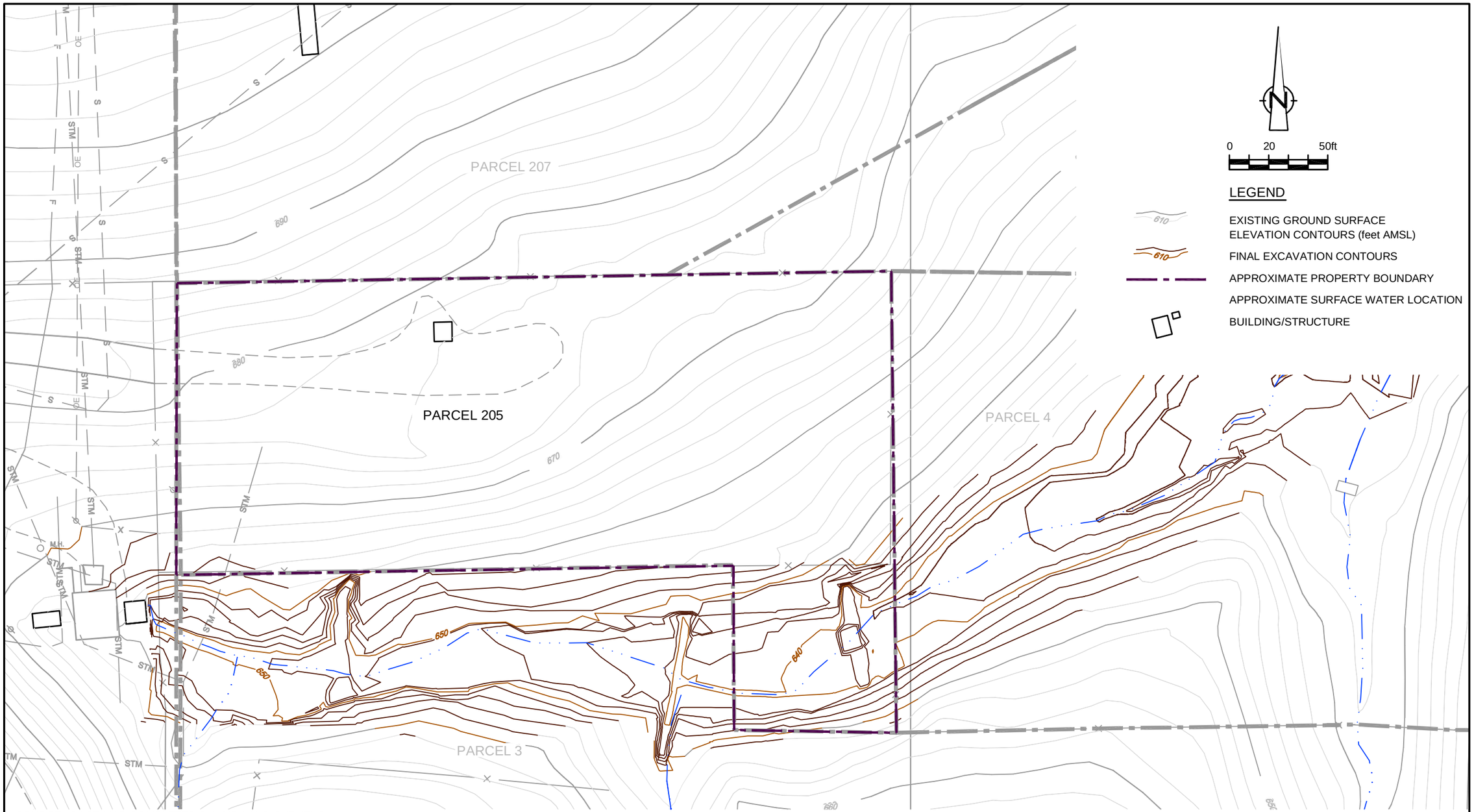
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.9

PARCEL 12 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA061 FEB 15/2007



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

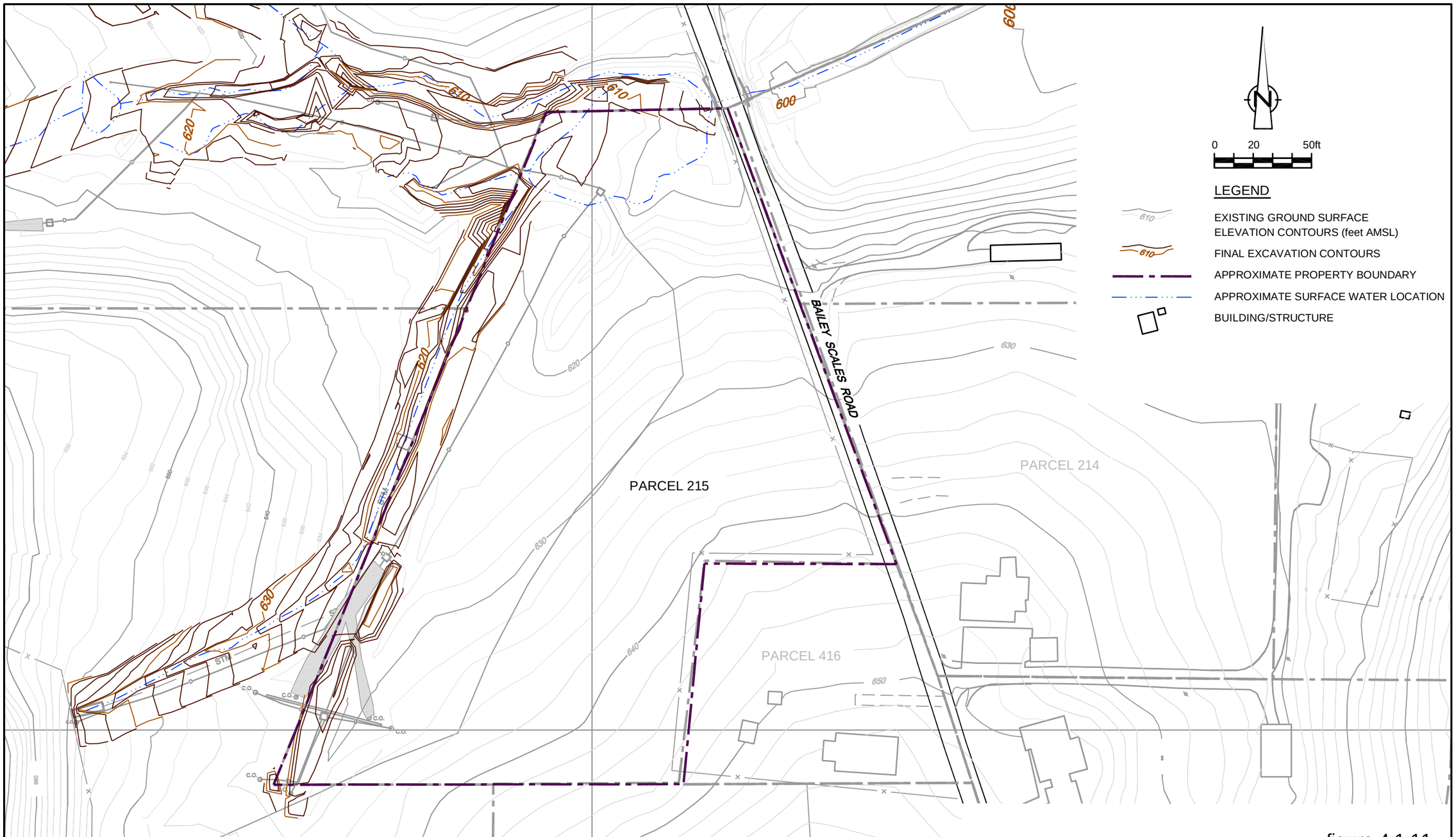
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.10

PARCEL 205 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA062 FEB 15/2007



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

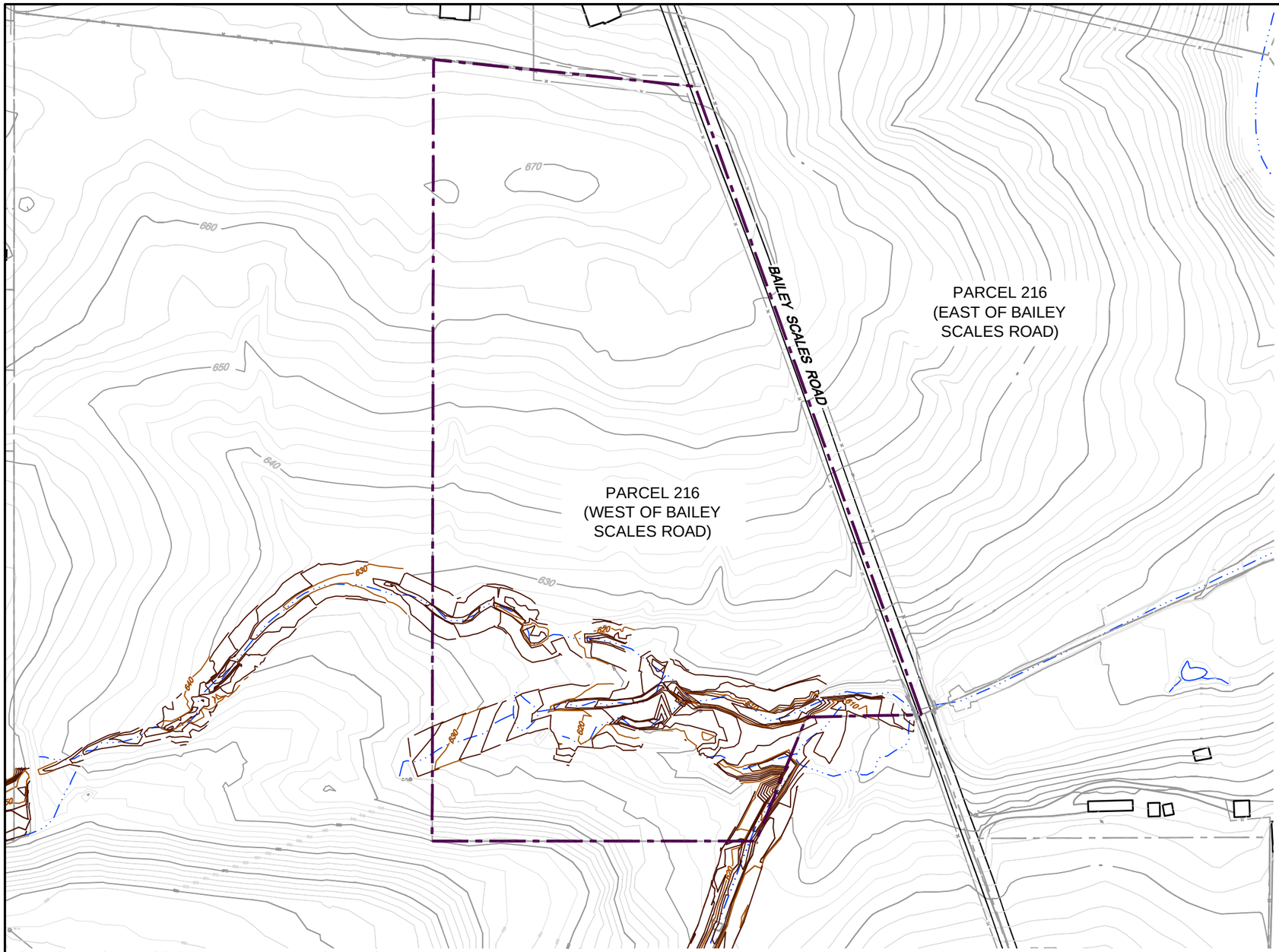
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.11

PARCEL 215 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA063 FEB 15/2007



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

0 50 150ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- FINAL EXCAVATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- BUILDING/STRUCTURE

NOTES:

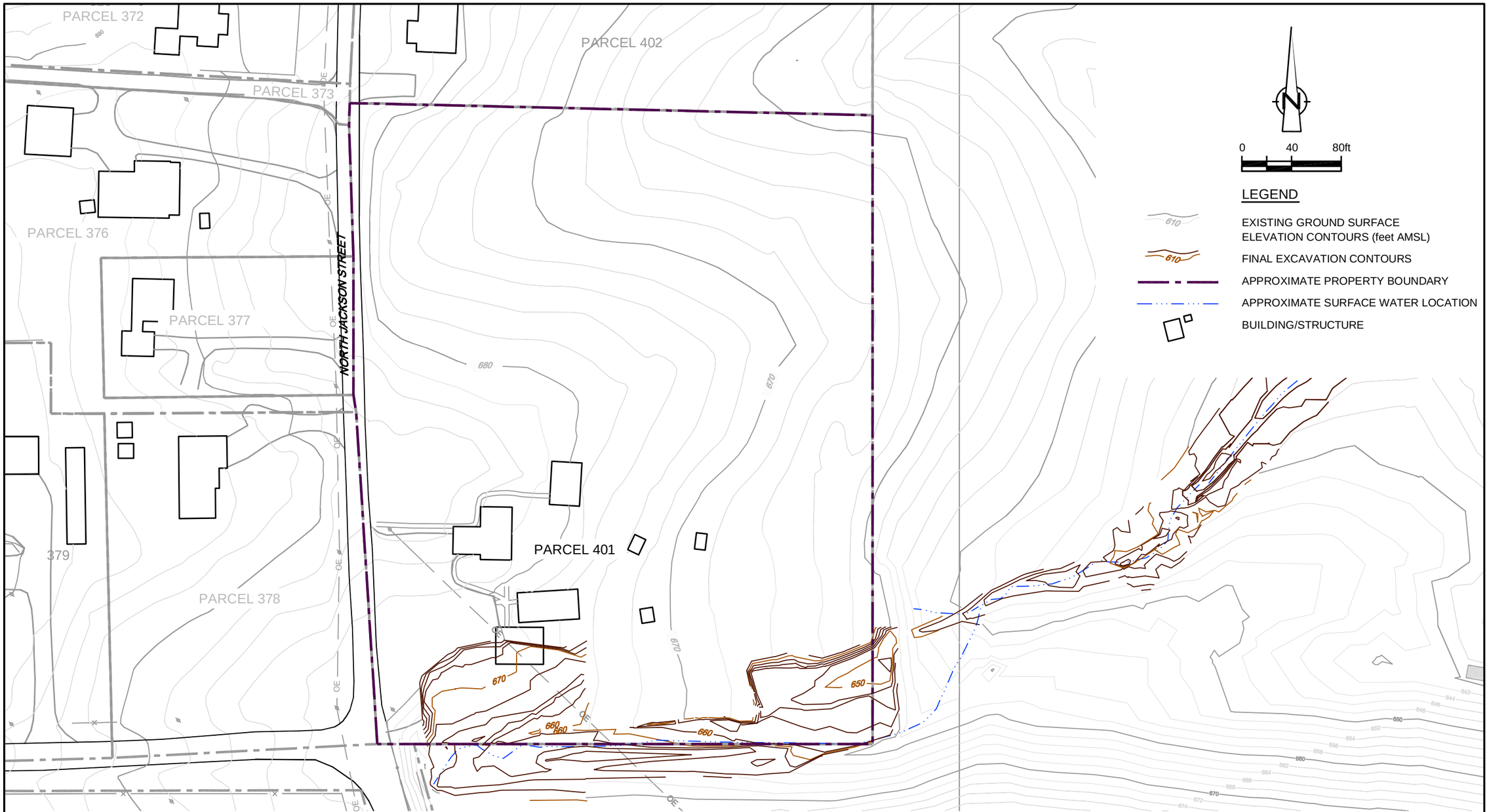
(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

(2) PARCEL 216 EAST OF BAILEY SCALES ROAD WAS PART OF THE DOWNSTREAM PARCELS REMOVAL ACTION WORK PLAN AND THE PORTION OF THE PARCEL EAST OF BAILEY SCALES ROAD WILL BE DISCUSSED IN THE FINAL CONSTRUCTION CERTIFICATION REPORT FOR THE DOWNSTREAM PARCELS WORK PLAN

figure 4.1.12

PARCEL 216 (WEST OF BAILEY SCALES ROAD) COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA064 FEB 15/2007



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

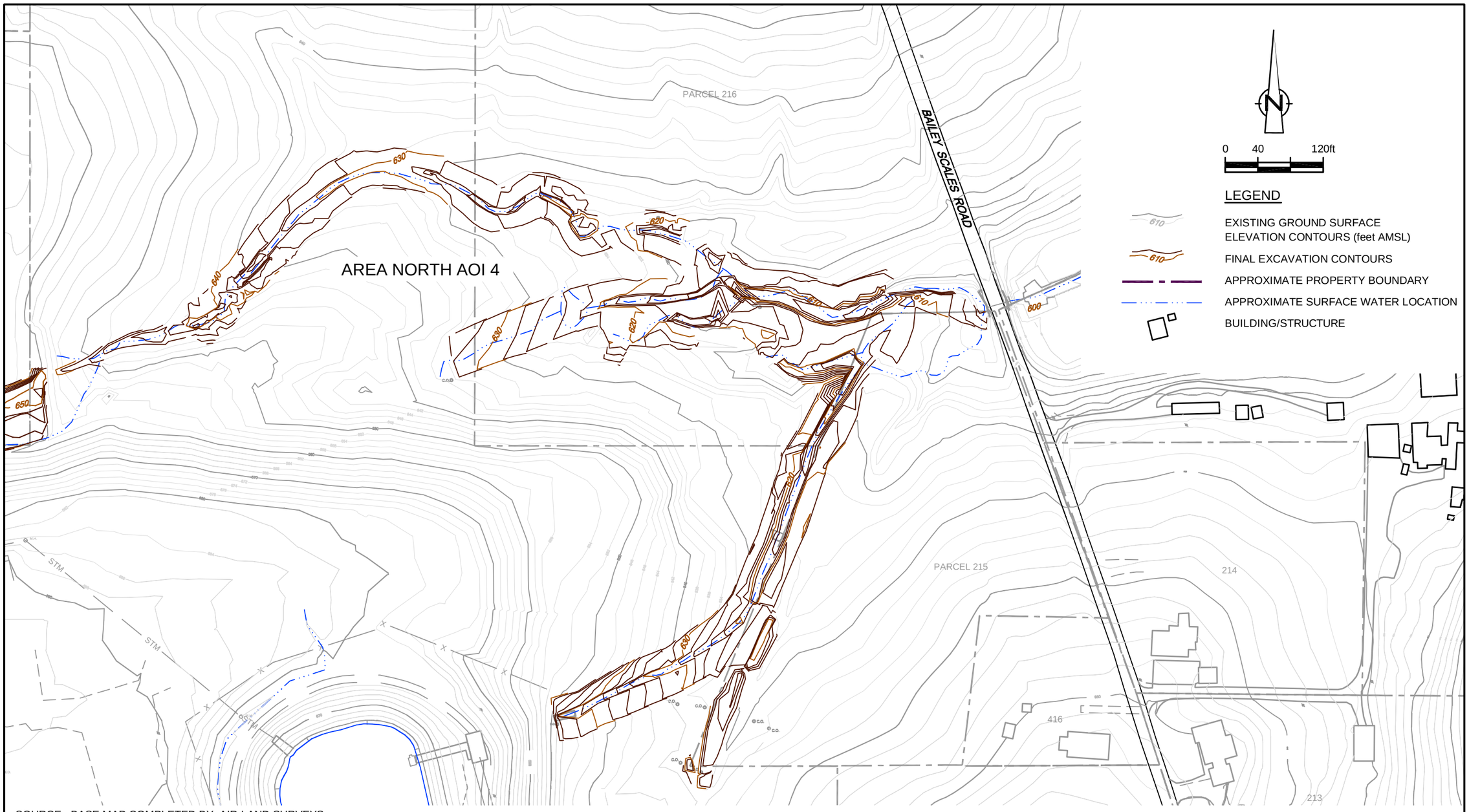
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.13

PARCEL 401 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA065 FEB 15/2007



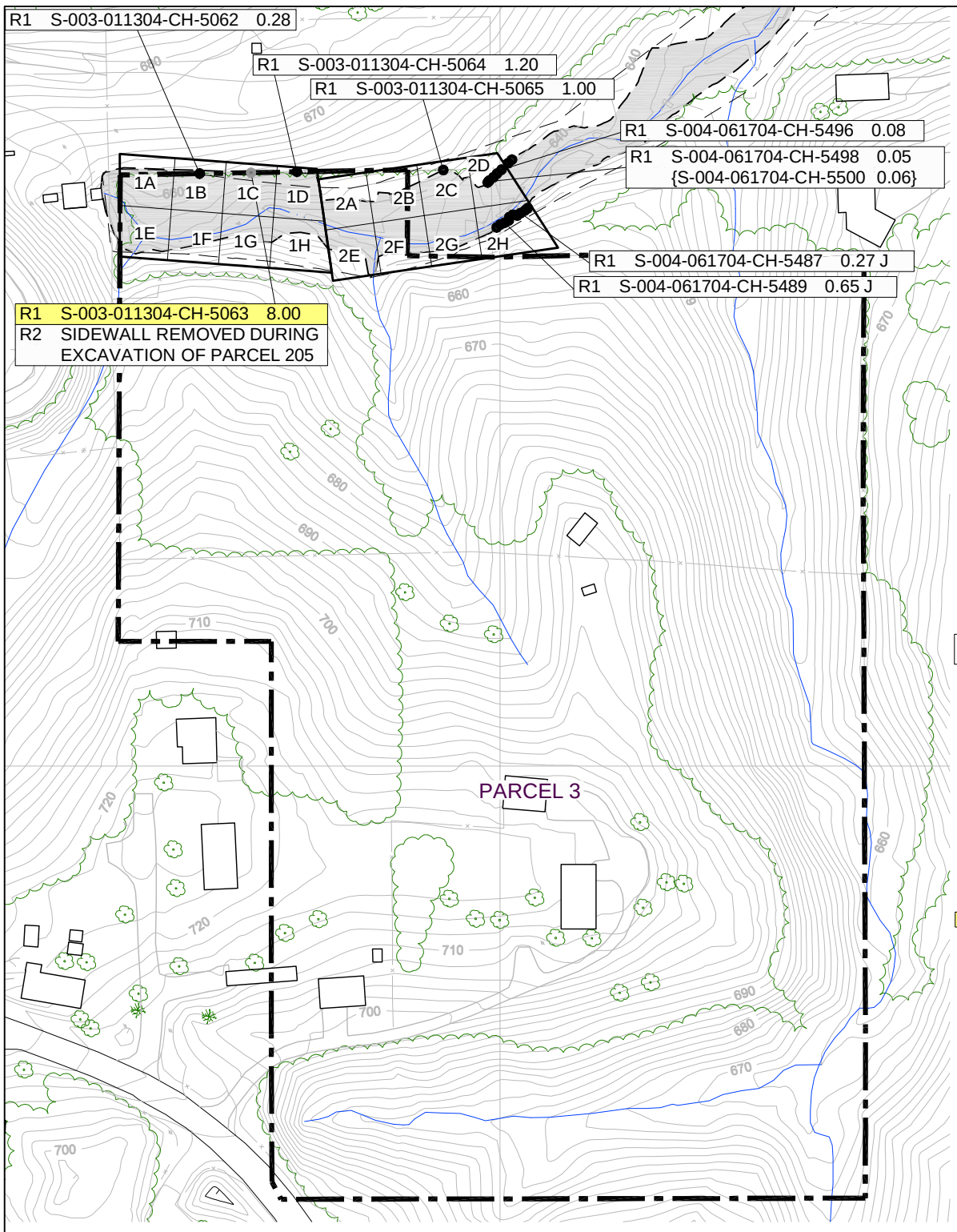
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

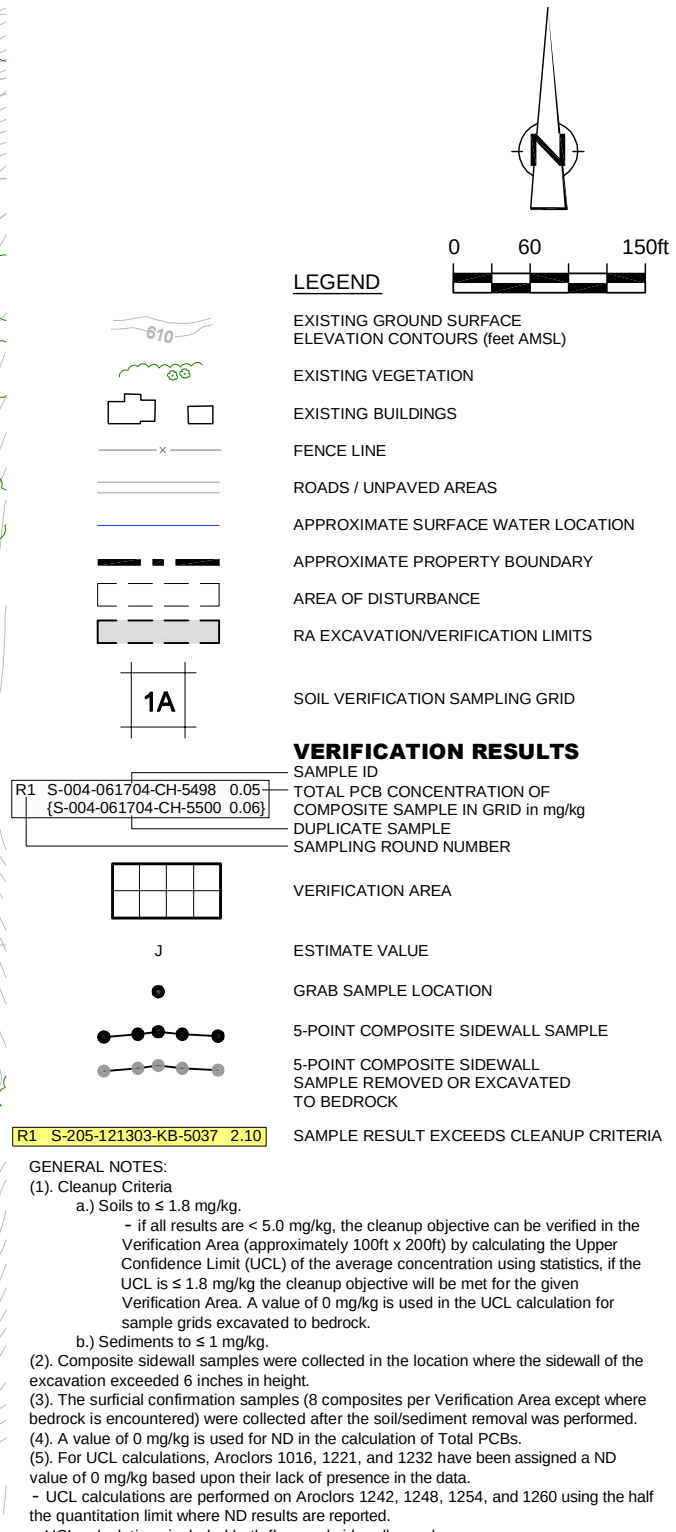
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.1.14

AREA NORTH OF AOI4 COMPLETED EXCAVATION
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana





GENERAL NOTES:

(1). Cleanup Criteria

a.) Soils to ≤ 1.8 mg/kg.

- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.

- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

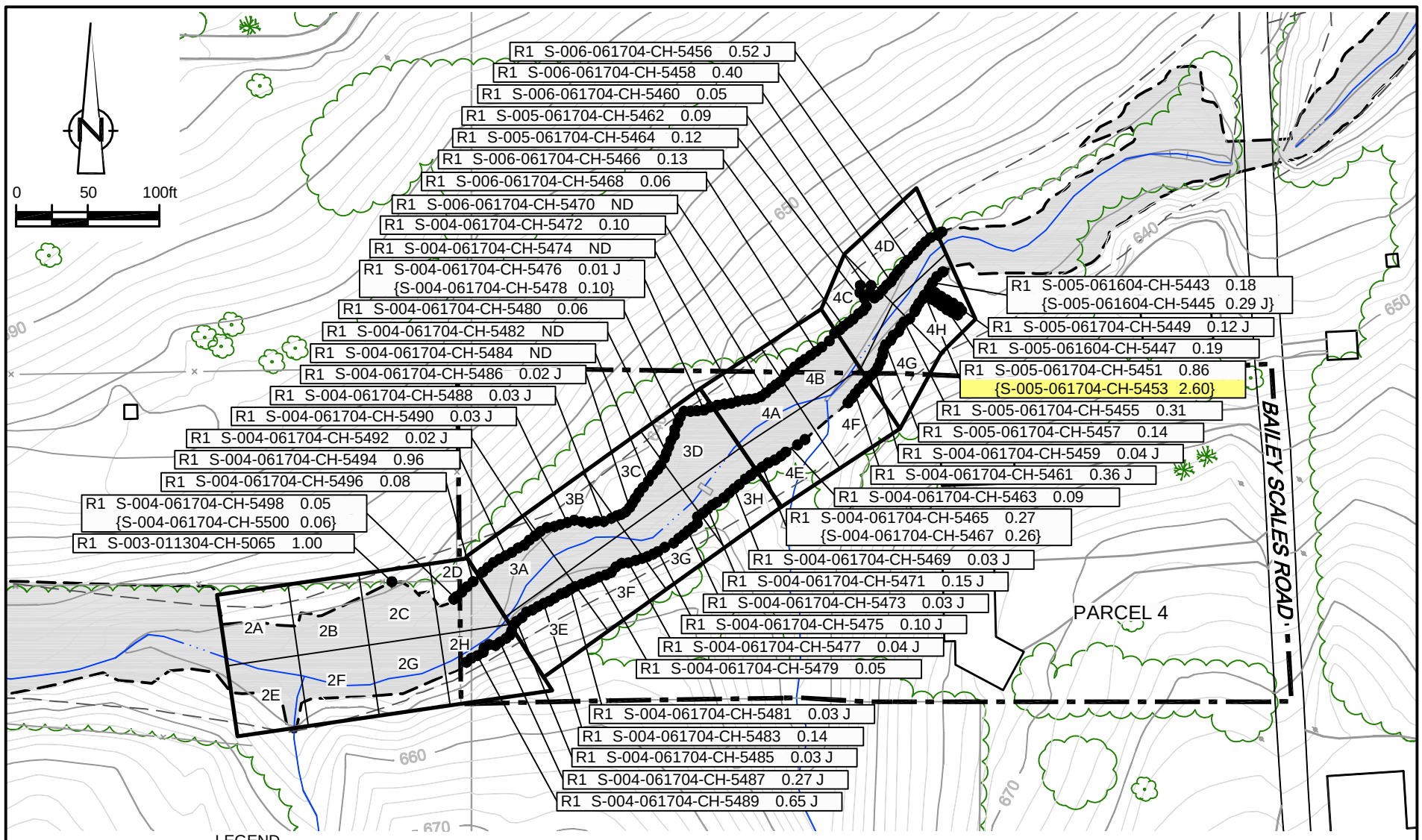
EXCAVATION FLOOR SAMPLE RESULTS

		Sampling Round							
		R1		R2		R3		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
1	A	S-205-121303-KB-5037 {S-205-121303-KB-5038	2.10 7.70}	EXCAVATED TO BEDROCK		- -	- -	EXCAVATED TO BEDROCK	
	B	S-205-121303-KB-5039	7.20	EXCAVATED TO BEDROCK		-	-	EXCAVATED TO BEDROCK	
	C	S-205-121503-KB-5043 {S-205-121503-KB-5044	20.00 13.00}	S-003-062904-CH-5687	4.53 J	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	D	S-205-121503-KB-5045	34.00	EXCAVATED TO BEDROCK		-	-	EXCAVATED TO BEDROCK	
	E	S-003-121303-KB-5040	0.18	-	-	-	-	S-003-121303-KB-5040	0.18
	F	S-003-121303-KB-5041	0.08	-	-	-	-	S-003-121303-KB-5041	0.08
	G	S-003-121303-KB-5042	0.96	-	-	-	-	S-003-121303-KB-5042	0.96
	H	S-003-121603-KB-5050	0.21 J	-	-	-	-	S-003-121603-KB-5050	0.21 J
UCL Calculations		Not Required Based on 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)
2	A	S-205-121603-KB-5046 {S-205-121603-KB-5047	0.34 J 0.24 J}	- -	- -	S-205-121603-KB-5046 {S-205-121603-KB-5047	0.34 J 0.24 J}
	B	S-205-121603-KB-5048	0.40 J	-	-	S-205-121603-KB-5048	0.40 J
	C	S-205-121603-KB-5049	22.00	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	D	S-004-040204-CH-5144	0.73 J	-	-	S-004-040204-CH-5144	0.73 J
	E	S-003-121603-KB-5051	5.10	S-003-032304-CH-5138	0.83	S-003-032304-CH-5138	0.83
	F	S-003-121703-KB-5054 {S-003-121703-KB-5055	0.11 J 0.11 J}	- -	- -	S-003-121703-KB-5054 {S-003-121703-KB-5055	0.11 J 0.11 J}
	G	S-003-121703-KB-5056	0.10 J	-	-	S-003-121703-KB-5056	0.10 J
	H	S-004-031604-CH-5111	0.03 J	-	-	S-004-031604-CH-5111	0.03 J
UCL Calculations		Not Required Based on Sample Results					

figure 4.2.1

PARCEL 3 (VERIFICATION AREAS 1 AND 2)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 3A — SOIL VERIFICATION SAMPLING GRID
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-003-121603-KB-5051 5.10 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

VERIFICATION RESULTS

R1 S-004-061704-CH-5498 0.05
{S-004-061704-CH-5500 0.06}

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

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

EXCAVATION FLOOR SAMPLE RESULTS

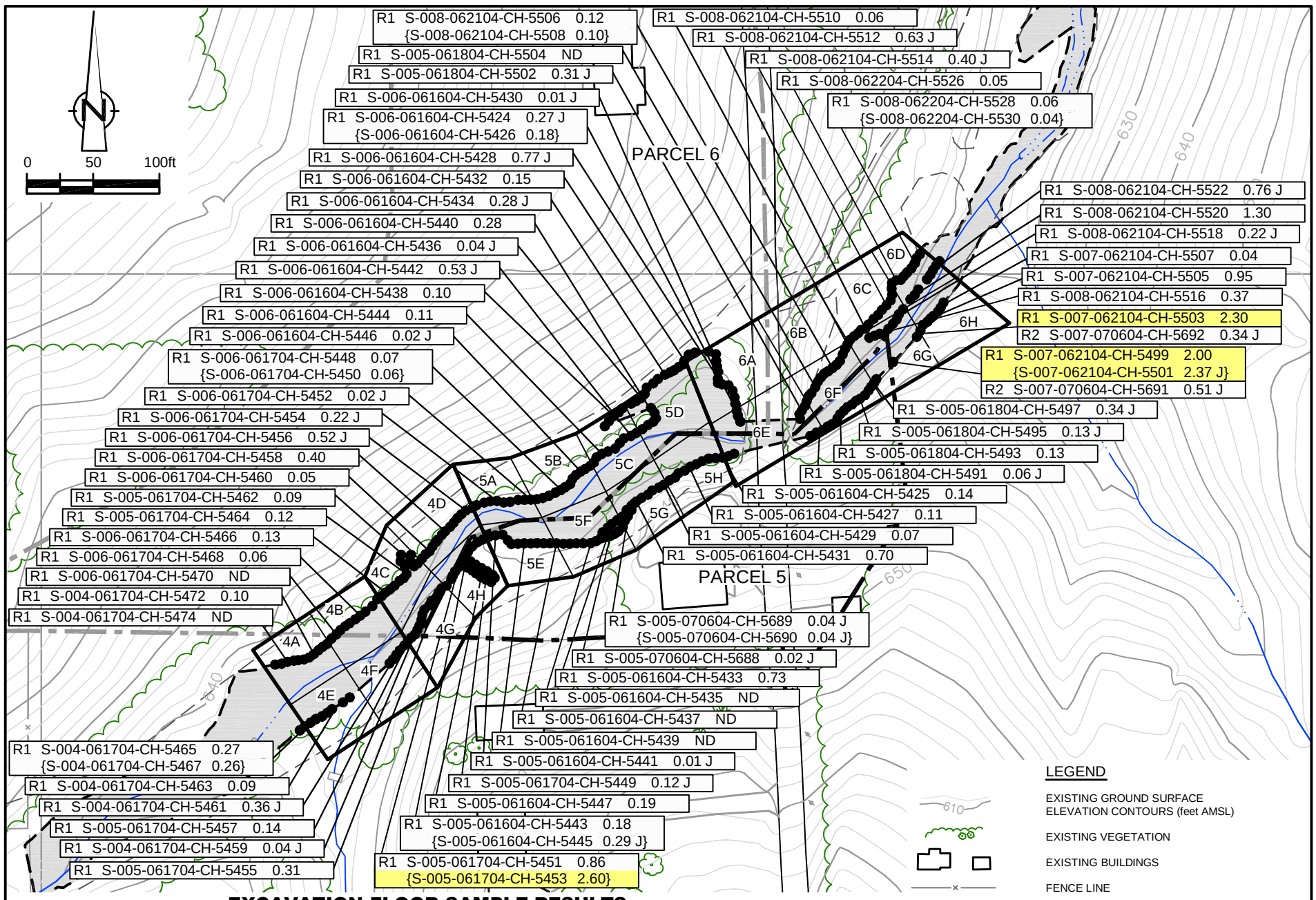
Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
2	A	S-205-121603-KB-5046 {S-205-121603-KB-5047	0.34 J 0.24 J}	- -	- -	S-205-121603-KB-5046 {S-205-121603-KB-5047	0.34 J 0.24 J}
	B	S-205-121603-KB-5048	0.40 J	-	-	S-205-121603-KB-5048	0.40 J
	C	S-205-121603-KB-5049	22.00	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	D	S-004-040204-CH-5144	0.73 J	-	-	S-004-040204-CH-5144	0.73 J
	E	S-003-121603-KB-5051	5.10	S-003-032304-CH-5138	0.83	S-003-032304-CH-5138	0.83
	F	S-003-121703-KB-5054 {S-003-121703-KB-5055	0.11 J 0.11 J}	- -	- -	S-003-121703-KB-5054 {S-003-121703-KB-5055	0.11 J 0.11 J}
	G	S-003-121703-KB-5056	0.10 J	-	-	S-003-121703-KB-5056	0.10 J
	H	S-004-031604-CH-5111	0.03 J	-	-	S-004-031604-CH-5111	0.03 J
UCL Calculations		Not Required Based on Sample Results					

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
3	A	S-004-031604-CH-5106	0.05	S-004-031604-CH-5106	0.05
	B	S-004-031604-CH-5107 {S-004-031604-CH-5108	0.10 0.06}	S-004-031604-CH-5107 {S-004-031604-CH-5108	0.10 0.06}
	C	S-004-031604-CH-5109	0.11	S-004-031604-CH-5109	0.11
	D	S-004-031604-CH-5110	0.05 J	S-004-031604-CH-5110	0.05 J
	E	S-004-031604-CH-5112	0.11 J	S-004-031604-CH-5112	0.11 J
	F	S-004-031604-CH-5113	0.01 J	S-004-031604-CH-5113	0.01 J
	G	S-004-031604-CH-5114	0.03 J	S-004-031604-CH-5114	0.03 J
	H	S-004-031604-CH-5115	0.04 J	S-004-031604-CH-5115	0.04 J
UCL Calculations		Not Required Based on 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)
4	A	S-004-041304-CH-5160	0.04 J	-	-	S-004-041304-CH-5160	0.04 J
	B	S-006-031804-CH-5119	0.56	-	-	S-006-031804-CH-5119	0.56
	C	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}	- -	- -	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}
	D	S-006-031804-CH-5122	0.19	-	-	S-006-031804-CH-5122	0.19
	E	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}	- -	- -	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}
	F	S-004-031604-CH-5118	0.01 J	-	-	S-004-031604-CH-5118	0.01 J
	G	S-005-031804-CH-5128	0.51 J	S-004-040204-CH-5145	0.10 J	S-004-040204-CH-5145	0.10 J
	H			S-004-040204-CH-5146	0.17 J	S-004-040204-CH-5146	0.17 J
UCL Calculations						Percentile Bootstrap 95% UCL	0.36 mg/kg
						BCa Bootstrap 95% UCL	0.43 mg/kg

figure 4.2.2

PARCEL 4 (VERIFICATION AREAS 2 TO 4)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
4	A	S-004-041304-CH-5160	0.04 J	-	-	S-004-041304-CH-5160	0.04 J
	B	S-006-031804-CH-5119	0.56	-	-	S-006-031804-CH-5119	0.56
	C	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}	- -	- -	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}
	D	S-006-031804-CH-5122	0.19	-	-	S-006-031804-CH-5122	0.19
	E	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}	- -	- -	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}
	F	S-004-031604-CH-5118	0.01 J	-	-	S-004-031604-CH-5118	0.01 J
	G	S-005-031804-CH-5128	0.51 J	S-004-040204-CH-5145	0.10 J	S-004-040204-CH-5145	0.10 J
	H			S-004-040204-CH-5146	0.17 J	S-004-040204-CH-5146	0.17 J
UCL Calculations						Percentile Bootstrap 95% UCL	0.36 mg/kg
						BCa Bootstrap 95% UCL	0.43 mg/kg

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
5	A	S-006-031804-CH-5123	0.49	S-006-031804-CH-5123	0.49
	B	S-006-031804-CH-5124	0.28	S-006-031804-CH-5124	0.28
	C	S-006-031804-CH-5125	0.19	S-006-031804-CH-5125	0.19
	D	S-006-031804-CH-5126	0.15	S-006-031804-CH-5126	0.15
	E	S-005-031804-CH-5129	0.73	S-005-031804-CH-5129	0.73
	F	S-005-031804-CH-5130 {S-005-031804-CH-5131	0.08 J 0.12 J}	S-005-031804-CH-5130 {S-005-031804-CH-5131	0.08 J 0.12 J}
	G	S-005-031804-CH-5132	1.20	S-005-031804-CH-5132	1.20
	H	S-005-031804-CH-5133	0.13	S-005-031804-CH-5133	0.13
UCL Calculations		Not Required Based on 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)
6	A	S-006-031804-CH-5127	1.20	-	-	S-006-031804-CH-5127	1.20
	B	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}	- -	- -	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}
	C	S-008-050404-CH-5255	0.29	-	-	S-008-050404-CH-5255	0.29
	D	S-008-050404-CH-5256	0.10	-	-	S-008-050404-CH-5256	0.10
	E	S-005-031804-CH-5134	0.12	S-005-051104-CH-5284	0.86 J	S-005-051104-CH-5284	0.86 J
	F	S-005-051104-CH-5261	1.79 J	-	-	S-005-051104-CH-5261	1.79 J
	G	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}	- -	- -	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}
	H	S-007-050504-CH-5264	0.12	-	-	S-007-050504-CH-5264	0.12
UCL Calculations		Not Required Based on Sample Results					

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE PRE-EXCAVATION SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 5A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-008-062204-CH-5528 0.06
{S-008-062204-CH-5530 0.04}

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- J — ESTIMATE VALUE. RESULT IS LESS THAN REPORTING LIMIT
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-007-062104-CH-5503 2.30 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Cleanup Criteria
- a.) Soils to ≤ 1.8 mg/kg.
  - if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
- b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

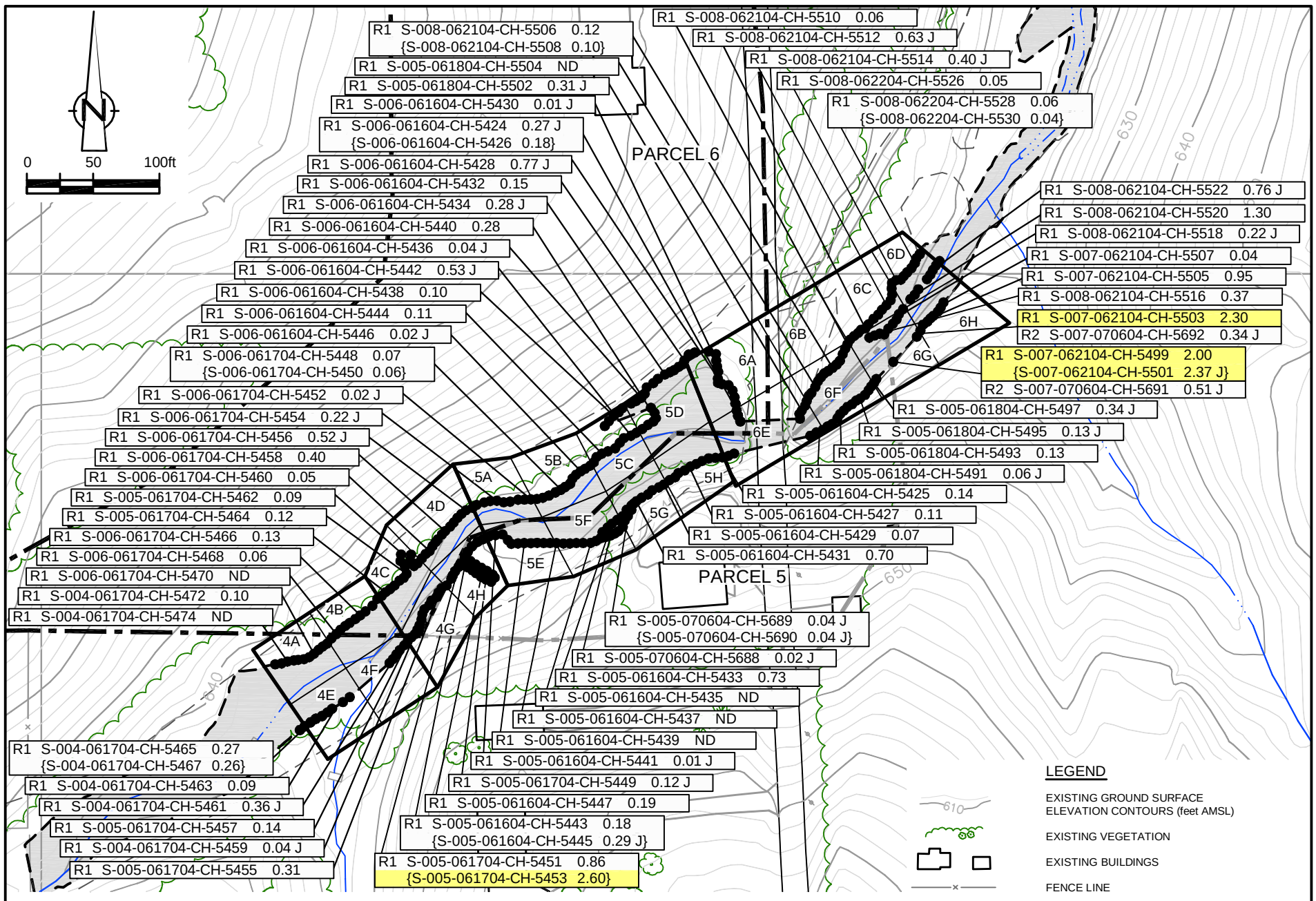
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

figure 4.2.3

PARCEL 5 (VERIFICATION AREAS 4 TO 6) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



		Sampling Round					
		R1		R2		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
4	A	S-004-041304-CH-5160	0.04 J	-	-	S-004-041304-CH-5160	0.04 J
	B	S-006-031804-CH-5119	0.56	-	-	S-006-031804-CH-5119	0.56
	C	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}	- -	- -	S-006-031804-CH-5120 {S-006-031804-CH-5121	0.12 0.15}
	D	S-006-031804-CH-5122	0.19	-	-	S-006-031804-CH-5122	0.19
	E	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}	- -	- -	S-004-031604-CH-5116 {S-004-031604-CH-5117	0.07 J 0.08 J}
	F	S-004-031604-CH-5118	0.01 J	-	-	S-004-031604-CH-5118	0.01 J
	G	S-005-031804-CH-5128	0.51 J	S-004-040204-CH-5145	0.10 J	S-004-040204-CH-5145	0.10 J
	H			S-004-040204-CH-5146	0.17 J	S-004-040204-CH-5146	0.17 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.36 mg/kg					
		BCa Bootstrap 95% UCL 0.43 mg/kg					

		Sampling Round			
		R1		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
5	A	S-006-031804-CH-5123	0.49	S-006-031804-CH-5123	0.49
	B	S-006-031804-CH-5124	0.28	S-006-031804-CH-5124	0.28
	C	S-006-031804-CH-5125	0.19	S-006-031804-CH-5125	0.19
	D	S-006-031804-CH-5126	0.15	S-006-031804-CH-5126	0.15
	E	S-005-031804-CH-5129	0.73	S-005-031804-CH-5129	0.73
	F	S-005-031804-CH-5130 {S-005-031804-CH-5131	0.08 J 0.12 J}	S-005-031804-CH-5130 {S-005-031804-CH-5131	0.08 J 0.12 J}
	G	S-005-031804-CH-5132	1.20	S-005-031804-CH-5132	1.20
	H	S-005-031804-CH-5133	0.13	S-005-031804-CH-5133	0.13
UCL Calculations		Not Required Based on 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)
6	A	S-006-031804-CH-5127	1.20	-	-	S-006-031804-CH-5127	1.20
	B	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}	- -	- -	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}
	C	S-008-050404-CH-5255	0.29	-	-	S-008-050404-CH-5255	0.29
	D	S-008-050404-CH-5256	0.10	-	-	S-008-050404-CH-5256	0.10
	E	S-005-031804-CH-5134	0.12	S-005-051104-CH-5284	0.86 J	S-005-051104-CH-5284	0.86 J
	F	S-005-051104-CH-5261	1.79 J	-	-	S-005-051104-CH-5261	1.79 J
	G	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}	- -	- -	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}
	H	S-007-050504-CH-5264	0.12	-	-	S-007-050504-CH-5264	0.12
UCL Calculations		Not Required Based on Sample Results					

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE PRE-EXCAVATION SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 5A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

R1 S-008-062204-CH-5528 0.06
{S-008-062204-CH-5530 0.04}

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- J — ESTIMATE VALUE. RESULT IS LESS THAN REPORTING LIMIT
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-007-062104-CH-5503 2.30 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Cleanup Criteria
- a.) Soils to ≤ 1.8 mg/kg.
  - if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
- b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

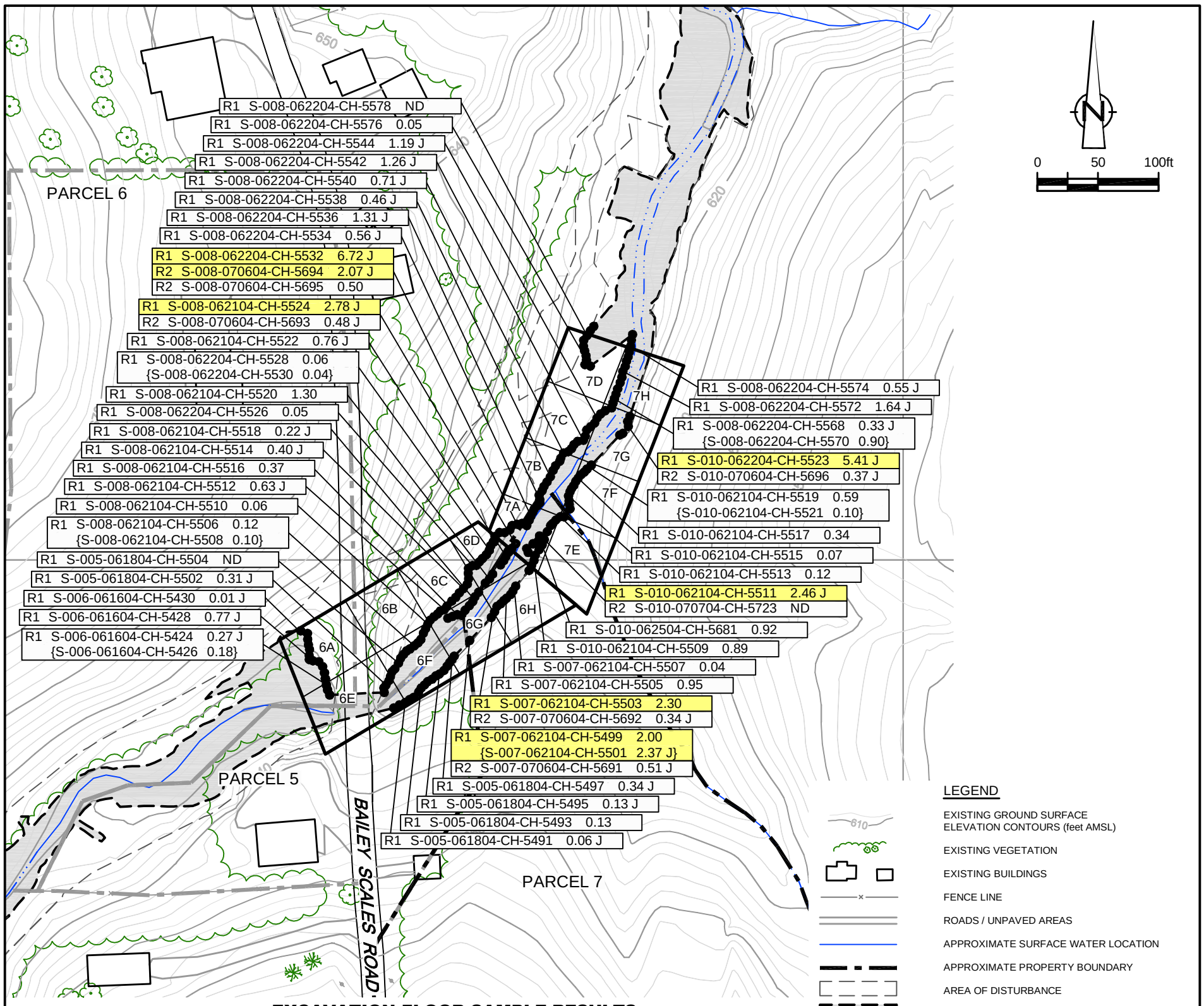
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

figure 4.2.4

PARCEL 6 (VERIFICATION AREAS 4 TO 6) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
6	A	S-006-031804-CH-5127	1.20	-	-	S-006-031804-CH-5127	1.20
	B	S-008-050404-CH-5253	0.95	-	-	S-008-050404-CH-5253	0.95
		{S-008-050404-CH-5254	0.59}	-	-	{S-008-050404-CH-5254	0.59}
	C	S-008-050404-CH-5255	0.29	-	-	S-008-050404-CH-5255	0.29
	D	S-008-050404-CH-5256	0.10	-	-	S-008-050404-CH-5256	0.10
	E	S-005-031804-CH-5134	0.12	S-005-051104-CH-5284	0.86 J	S-005-051104-CH-5284	0.86 J
	F	S-005-051104-CH-5261	1.79 J	-	-	S-005-051104-CH-5261	1.79 J
	G	S-007-050504-CH-5262	0.06	-	-	S-007-050504-CH-5262	0.06
		{S-007-050504-CH-5263	0.06 J}	-	-	{S-007-050504-CH-5263	0.06 J}
	H	S-007-050504-CH-5264	0.12	-	-	S-007-050504-CH-5264	0.12
UCL Calculations		Not Required Based on Sample Results					

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
7	A	S-008-050404-CH-5257	0.25	S-008-050404-CH-5257	0.25
	B	S-008-050404-CH-5258	0.09	S-008-050404-CH-5258	0.09
	C	S-008-050404-CH-5259	0.18	S-008-050404-CH-5259	0.18
	D	S-008-050404-CH-5260	0.07	S-008-050404-CH-5260	0.07
	E	S-007-050504-CH-5265	0.09	S-007-050504-CH-5265	0.09
	F	S-010-050504-CH-5266	0.02 J	S-010-050504-CH-5266	0.02 J
	G	S-010-050504-CH-5267	0.02 J	S-010-050504-CH-5267	0.02 J
	H	S-010-050504-CH-5268	0.06	S-010-050504-CH-5268	0.06
UCL Calculations				Percentile Bootstrap 95% UCL	0.73 mg/kg
				BCa Bootstrap 95% UCL	0.74 mg/kg

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 6A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

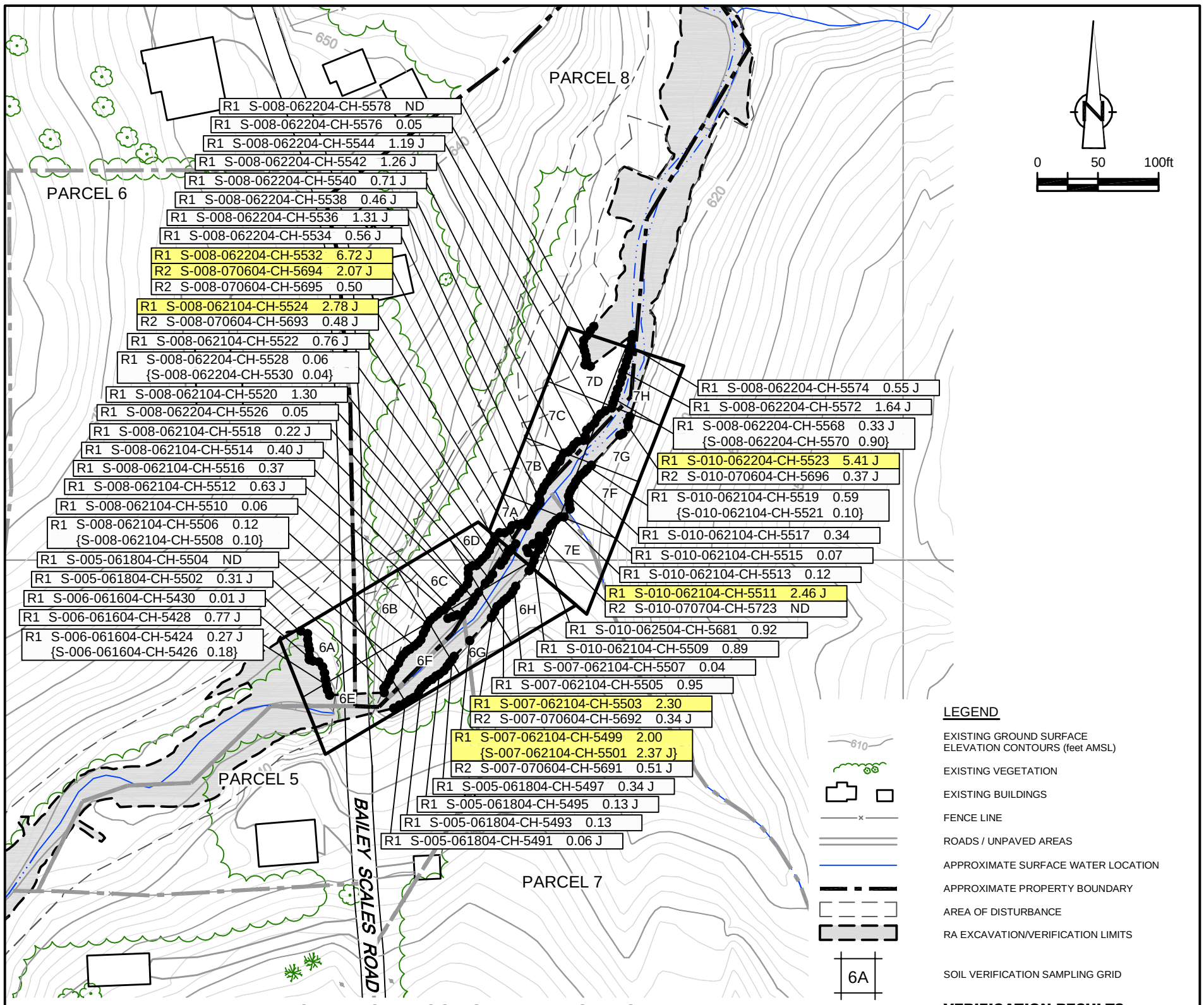
R1 S-010-062104-CH-5519 0.59
{S-010-062104-CH-5521 0.10}

- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- R1 S-007-062104-CH-5499 2.00 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 4.2.5

PARCEL 7 (VERIFICATION AREAS 6 AND 7) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



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)
6	A	S-006-031804-CH-5127	1.20	-	-	S-006-031804-CH-5127	1.20
	B	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}	- -	- -	S-008-050404-CH-5253 {S-008-050404-CH-5254	0.95 0.59}
	C	S-008-050404-CH-5255	0.29	-	-	S-008-050404-CH-5255	0.29
	D	S-008-050404-CH-5256	0.10	-	-	S-008-050404-CH-5256	0.10
	E	S-005-031804-CH-5134	0.12	S-005-051104-CH-5284	0.86 J	S-005-051104-CH-5284	0.86 J
	F	S-005-051104-CH-5261	1.79 J	-	-	S-005-051104-CH-5261	1.79 J
	G	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}	- -	- -	S-007-050504-CH-5262 {S-007-050504-CH-5263	0.06 0.06 J}
	H	S-007-050504-CH-5264	0.12	-	-	S-007-050504-CH-5264	0.12
UCL Calculations		Not Required Based on Sample Results					

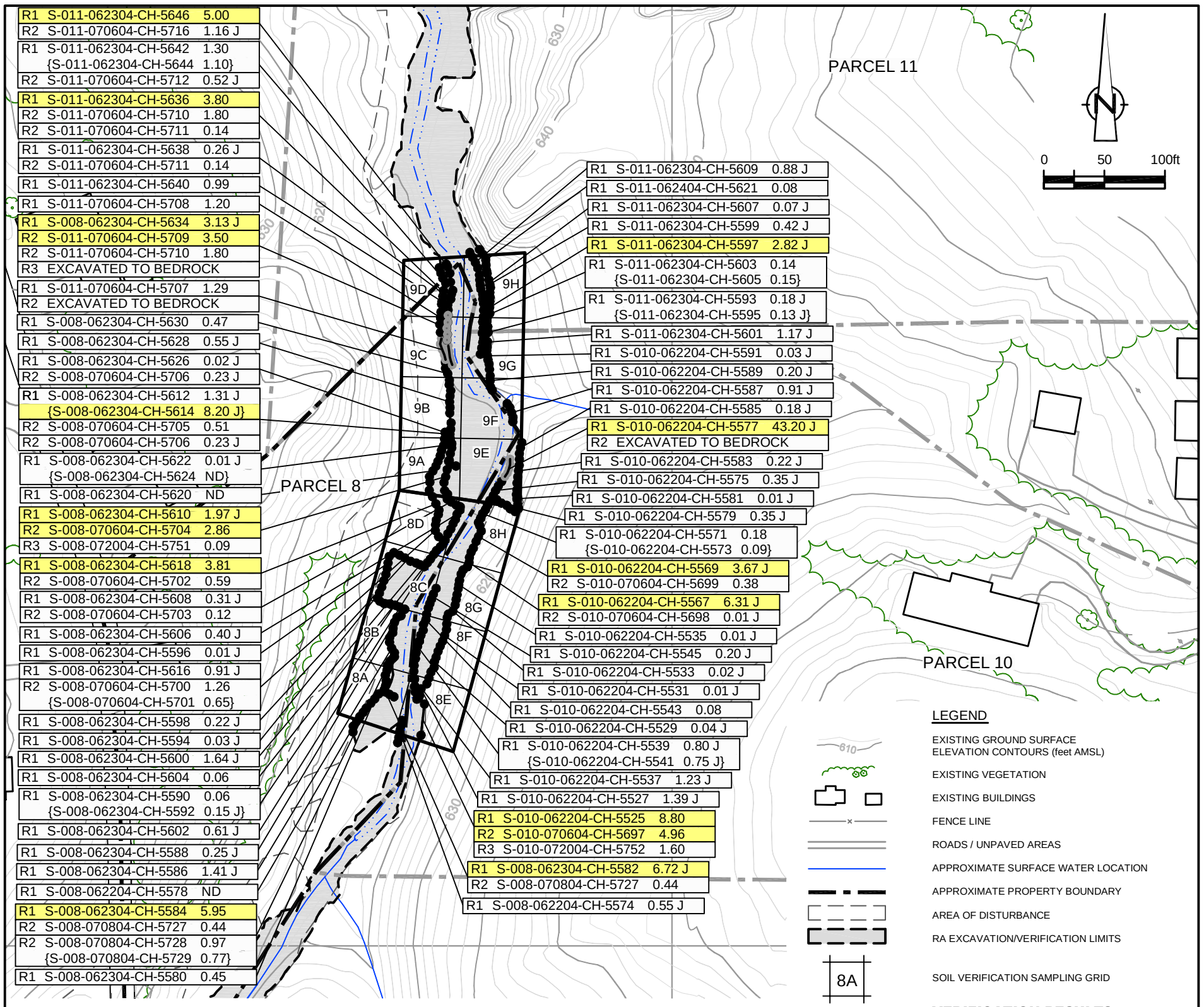
		Sampling Round			
		R1		FINAL	
Verification Area	Grid	Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
7	A	S-008-050404-CH-5257	0.25	S-008-050404-CH-5257	0.25
	B	S-008-050404-CH-5258	0.09	S-008-050404-CH-5258	0.09
	C	S-008-050404-CH-5259	0.18	S-008-050404-CH-5259	0.18
	D	S-008-050404-CH-5260	0.07	S-008-050404-CH-5260	0.07
	E	S-007-050504-CH-5265	0.09	S-007-050504-CH-5265	0.09
	F	S-010-050504-CH-5266	0.02 J	S-010-050504-CH-5266	0.02 J
	G	S-010-050504-CH-5267	0.02 J	S-010-050504-CH-5267	0.02 J
	H	S-010-050504-CH-5268	0.06	S-010-050504-CH-5268	0.06
UCL Calculations				Percentile Bootstrap 95% UCL	0.73 mg/kg
				BCa Bootstrap 95% UCL	0.74 mg/kg

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.2.6A

PARCEL 8 (LOWER) (VERIFICATION AREAS 6 AND 7)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
8	A	S-008-050604-CH-5269	0.86 J	-	-	S-008-050604-CH-5269	0.86 J
	B	S-008-050604-CH-5270	0.26	-	-	S-008-050604-CH-5270	0.26
	C	S-008-050604-CH-5271	2.14	S-010-060704-CH-5368	ND	S-010-060704-CH-5368	ND
	D	S-008-050604-CH-5272	0.53	-	-	S-008-050604-CH-5272	0.53
	E	S-010-051104-CH-5311	0.48	-	-	S-010-051104-CH-5311	0.48
	F	S-010-051104-CH-5312 {S-010-051104-CH-5313	0.03 J 0.03 J}	- -	- -	S-010-051104-CH-5312 {S-010-051104-CH-5313	0.03 J 0.03 J}
	G	S-010-051104-CH-5314	0.05	-	-	S-010-051104-CH-5314	0.05
	H	S-010-051104-CH-5315	0.42	-	-	S-010-051104-CH-5315	0.42
UCL Calculations		Not Required Based on 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)
9	A	S-008-050604-CH-5273	8.33	S-010-060704-CH-5372	0.29	S-010-060704-CH-5372	0.29
	B	S-008-050604-CH-5274 {S-008-050604-CH-5275	6.95 10.80}	S-010-060704-CH-5373	ND	S-010-060704-CH-5373	ND
	C	S-008-050604-CH-5276	0.18 J	-	-	S-008-050604-CH-5276	0.18 J
	D	S-011-050604-CH-5277	0.18 J	-	-	S-011-050604-CH-5277	0.18 J
	E	S-010-051104-CH-5316	2.40	-	-	S-010-051104-CH-5316	2.40
	F	S-010-051104-CH-5317	0.58	-	-	S-010-051104-CH-5317	0.58
	G	S-010-051104-CH-5318	0.22 J	-	-	S-010-051104-CH-5318	0.22 J
	H	S-011-051104-CH-5319	0.19 J	-	-	S-011-051104-CH-5319	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg					
		BCa Bootstrap 95% UCL 0.75 mg/kg					

GENERAL NOTES:

(1). Cleanup Criteria

a.) Soils to ≤ 1.8 mg/kg.

- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.

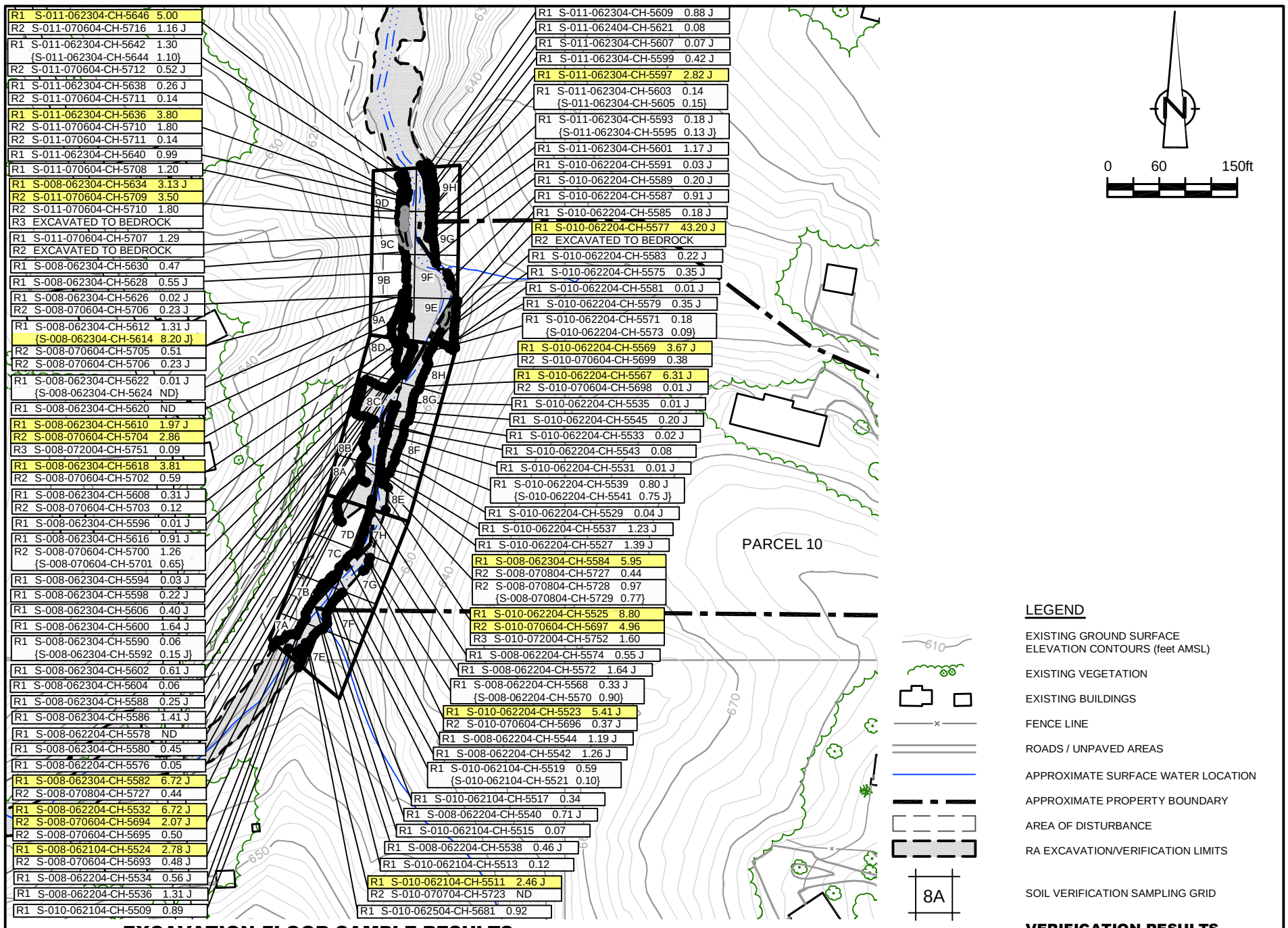
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

figure 4.2.6B

PARCEL 8 (UPPER) (VERIFICATION AREAS 8 AND 9)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
7	A	S-008-050404-CH-5257	0.25	S-008-050404-CH-5257	0.25
	B	S-008-050404-CH-5258	0.09	S-008-050404-CH-5258	0.09
	C	S-008-050404-CH-5259	0.18	S-008-050404-CH-5259	0.18
	D	S-008-050404-CH-5260	0.07	S-008-050404-CH-5260	0.07
	E	S-007-050504-CH-5265	0.09	S-007-050504-CH-5265	0.09
	F	S-010-050504-CH-5266	0.02 J	S-010-050504-CH-5266	0.02 J
	G	S-010-050504-CH-5267	0.02 J	S-010-050504-CH-5267	0.02 J
	H	S-010-050504-CH-5268	0.06	S-010-050504-CH-5268	0.06
UCL Calculations		Percentile Bootstrap 95% UCL 0.73 mg/kg			
		BCa Bootstrap 95% UCL 0.74 mg/kg			

Verification Area	Grid	R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
8	A	S-008-050604-CH-5269	0.86 J	-	-	S-008-050604-CH-5269	0.86 J
	B	S-008-050604-CH-5270	0.26	-	-	S-008-050604-CH-5270	0.26
	C	S-008-050604-CH-5271	2.14	S-010-060704-CH-5368	ND	S-010-060704-CH-5368	ND
	D	S-008-050604-CH-5272	0.53	-	-	S-008-050604-CH-5272	0.53
	E	S-010-051104-CH-5311	0.48	-	-	S-010-051104-CH-5311	0.48
	F	S-010-051104-CH-5312 {S-010-051104-CH-5313	0.03 J 0.03 J}	- -	- -	S-010-051104-CH-5312 {S-010-051104-CH-5313	0.03 J 0.03 J}
	G	S-010-051104-CH-5314	0.05	-	-	S-010-051104-CH-5314	0.05
	H	S-010-051104-CH-5315	0.42	-	-	S-010-051104-CH-5315	0.42
UCL Calculations		Not Required Based on Sample Results					

Verification Area	Grid	R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
9	A	S-008-050604-CH-5273	8.33	S-010-060704-CH-5372	0.29	S-010-060704-CH-5372	0.29
	B	S-008-050604-CH-5274 {S-008-050604-CH-5275	6.95 10.80}	S-010-060704-CH-5373	ND	S-010-060704-CH-5373	ND
	C	S-008-050604-CH-5276	0.18 J	-	-	S-008-050604-CH-5276	0.18 J
	D	S-011-050604-CH-5277	0.18 J	-	-	S-011-050604-CH-5277	0.18 J
	E	S-010-051104-CH-5316	2.40	-	-	S-010-051104-CH-5316	2.40
	F	S-010-051104-CH-5317	0.58	-	-	S-010-051104-CH-5317	0.58
	G	S-010-051104-CH-5318	0.22 J	-	-	S-010-051104-CH-5318	0.22 J
	H	S-011-051104-CH-5319	0.19 J	-	-	S-011-051104-CH-5319	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg					
		BCa Bootstrap 95% UCL 0.75 mg/kg					

VERIFICATION RESULTS

R1 S-010-062204-CH-5571 0.18
{S-010-062204-CH-5573 0.09}

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

VERIFICATION AREA

J — ESTIMATE VALUE

ND — NOT DETECTED

BCa — BIAS-CORRECTED AND ACCELERATED

GRAB SAMPLE LOCATION

5-POINT COMPOSITE SIDEWALL SAMPLE

5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

R1 S-010-062104-CH-5511 2.46 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Cleanup Criteria
- a.) Soils to ≤ 1.8 mg/kg.
  - if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
- b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

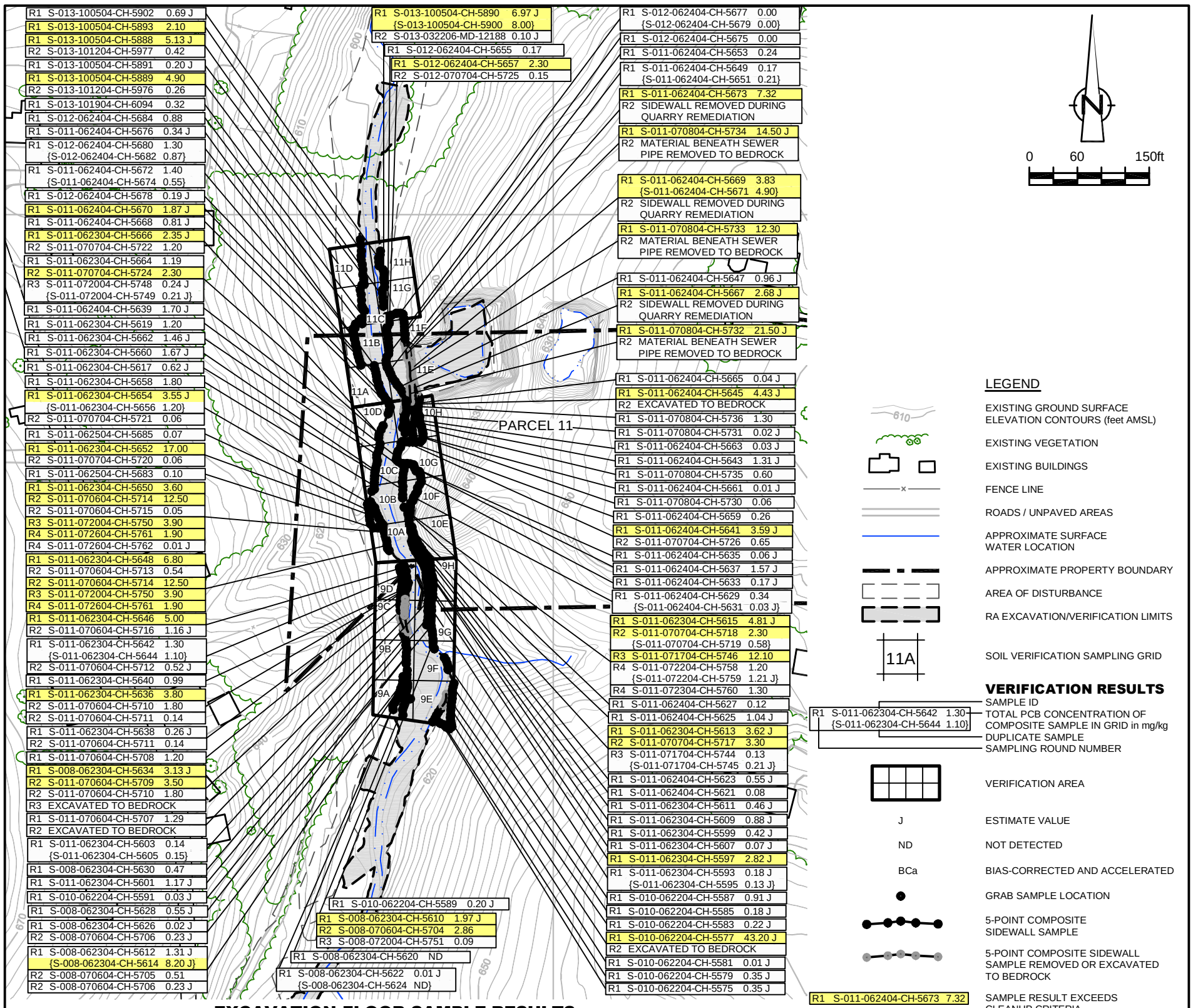
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

figure 4.2.7

PARCEL 10 (VERIFICATION AREAS 7 TO 9)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
9	A	S-008-050604-CH-5273	8.33	S-010-060704-CH-5372	0.29	S-010-060704-CH-5372	0.29
	B	S-008-050604-CH-5274 {S-008-050604-CH-5275}	6.95 10.80}	S-010-060704-CH-5373	ND	S-010-060704-CH-5373	ND
	C	S-008-050604-CH-5276	0.18 J	-	-	S-008-050604-CH-5276	0.18 J
	D	S-011-050604-CH-5277	0.18 J	-	-	S-011-050604-CH-5277	0.18 J
	E	S-010-051104-CH-5316	2.40	-	-	S-010-051104-CH-5316	2.40
	F	S-010-051104-CH-5317	0.58	-	-	S-010-051104-CH-5317	0.58
	G	S-010-051104-CH-5318	0.22 J	-	-	S-010-051104-CH-5318	0.22 J
	H	S-011-051104-CH-5319	0.19 J	-	-	S-011-051104-CH-5319	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg					
		BCa Bootstrap 95% UCL 0.75 mg/kg					

Verification Area	Grid	R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	R3 Sample ID	R3 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
10	A	S-011-051804-CH-5334	1.74 J	-	-	-	-	S-011-051804-CH-5334	1.74 J
	B	S-011-051804-CH-5335	2.10	S-011-060804-CH-5397	0.07	-	-	S-011-060804-CH-5397	0.07
	C	S-011-051804-CH-5336 {S-011-051804-CH-5337	0.25 0.32}	- -	- -	- -	- -	S-011-051804-CH-5336 {S-011-051804-CH-5337	0.25 0.32}
	D	S-011-051804-CH-5338	0.20	-	-	-	-	S-011-051804-CH-5338	0.20
	E	S-011-051804-CH-5346	5.60	S-011-060804-CH-5396	0.60 J	-	-	S-011-060804-CH-5396	0.60 J
	F	S-011-051804-CH-5345	0.10	-	-	-	-	S-011-051804-CH-5345	0.10
	G	S-011-051804-CH-5344	0.78	-	-	-	-	S-011-051804-CH-5344	0.78
	H	S-011-051804-CH-5343	3.20	S-011-060804-CH-5398	9.00	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
UCL Calculations		Percentile Bootstrap 95% UCL 0.83 mg/kg							
		BCa Bootstrap 95% UCL 0.85 mg/kg							

Verification Area	Grid	R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
11	A	S-011-051804-CH-5339	0.01 J	-	-	S-011-051804-CH-5339	0.01 J
	B	S-011-051804-CH-5340	0.02 J	-	-	S-011-051804-CH-5340	0.02 J
	C	S-012-101104-CH-5998	0.08	-	-	S-012-101104-CH-5998	0.08
	D	S-012-101104-CH-6000	0.16 J	-	-	S-012-101104-CH-6000	0.16 J
	E	S-011-051804-CH-5342	1.98 J	S-011-060804-CH-5399	0.44	S-011-060804-CH-5399	0.44
	F	S-011-051804-CH-5341	1.80 J	S-012-060804-CH-5400	1.99 J	S-012-060804-CH-5400	1.99 J
	G	S-012-101104-CH-5997	0.35 J	-	-	S-012-101104-CH-5997	0.35 J
	H	S-012-101104-CH-5999	0.09	-	-	S-012-101104-CH-5999	0.09
UCL Calculations		Percentile Bootstrap 95% UCL 0.74 mg/kg					
		BCa Bootstrap 95% UCL 0.77 mg/kg					

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

figure 4.2.8A

PARCEL 11 (VERIFICATION AREAS 9 TO 11) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

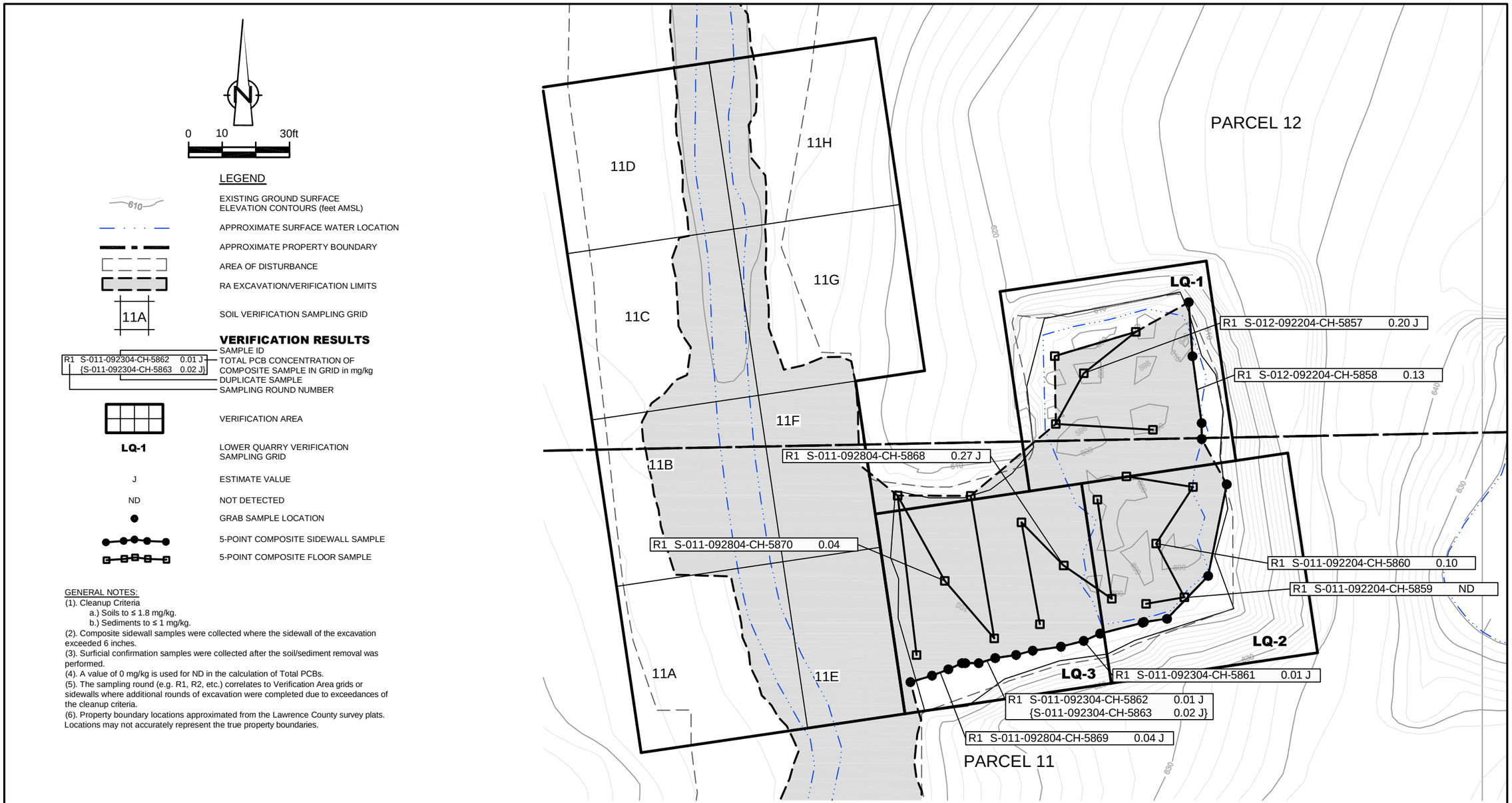
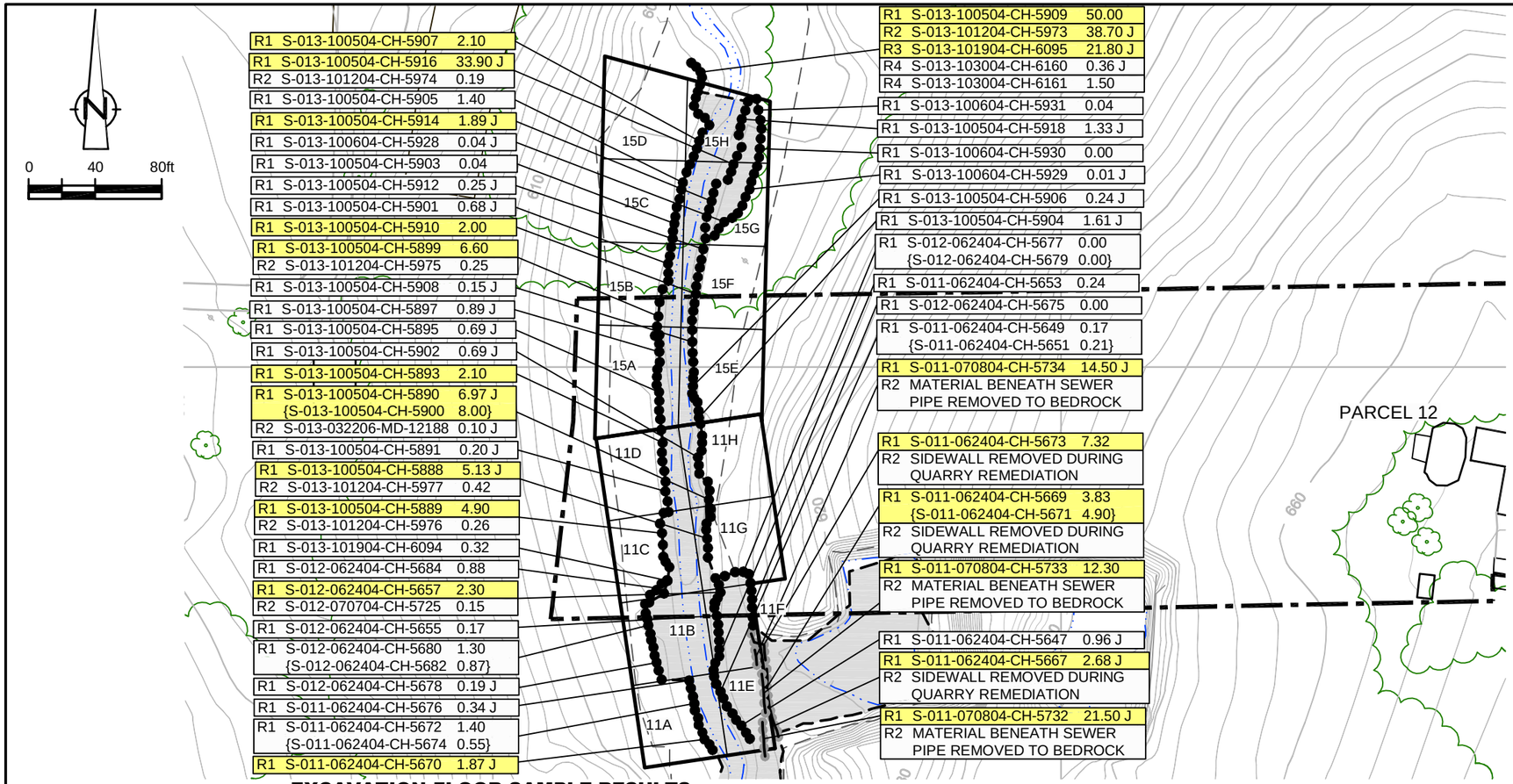


figure 4.2.8B

PARCEL 11 (QUARRY SAMPLE LOCATIONS)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
11	A	S-011-051804-CH-5339	0.01 J	-	-	S-011-051804-CH-5339	0.01 J
	B	S-011-051804-CH-5340	0.02 J	-	-	S-011-051804-CH-5340	0.02 J
	C	S-012-101104-CH-5998	0.08	-	-	S-012-101104-CH-5998	0.08
	D	S-012-101104-CH-6000	0.16 J	-	-	S-012-101104-CH-6000	0.16 J
	E	S-011-051804-CH-5342	1.98 J	S-011-060804-CH-5399	0.44	S-011-060804-CH-5399	0.44
	F	S-011-051804-CH-5341	1.80 J	S-012-060804-CH-5400	1.99 J	S-012-060804-CH-5400	1.99 J
	G	S-012-101104-CH-5997	0.35 J	-	-	S-012-101104-CH-5997	0.35 J
	H	S-012-101104-CH-5999	0.09	-	-	S-012-101104-CH-5999	0.09
UCL Calculations		Percentile Bootstrap 95% UCL					0.74 mg/kg
		BCa Bootstrap 95% UCL					0.77 mg/kg

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
15	A	S-012-101104-CH-5982 {S-012-101104-CH-5984	0.30 J 0.41}	S-012-101104-CH-5982 {S-012-101104-CH-5984	0.30 J 0.41}
	B	S-013-101104-CH-5986	0.40 J	S-013-101104-CH-5986	0.40 J
	C	S-013-101104-CH-5988	0.16 J	S-013-101104-CH-5988	0.16 J
	D	S-013-101104-CH-5990	1.70	S-013-101104-CH-5990	1.70
	E	S-012-101104-CH-5983	0.16 J	S-012-101104-CH-5983	0.16 J
	F	S-013-101104-CH-5985	0.02 J	S-013-101104-CH-5985	0.02 J
	G	S-013-101104-CH-5987	0.07 J	S-013-101104-CH-5987	0.07 J
	H	S-013-101104-CH-5989	0.13 J	S-013-101104-CH-5989	0.13 J
UCL Calculations		Percentile Bootstrap 95% UCL			0.87 mg/kg
		BCa Bootstrap 95% UCL			0.90 mg/kg

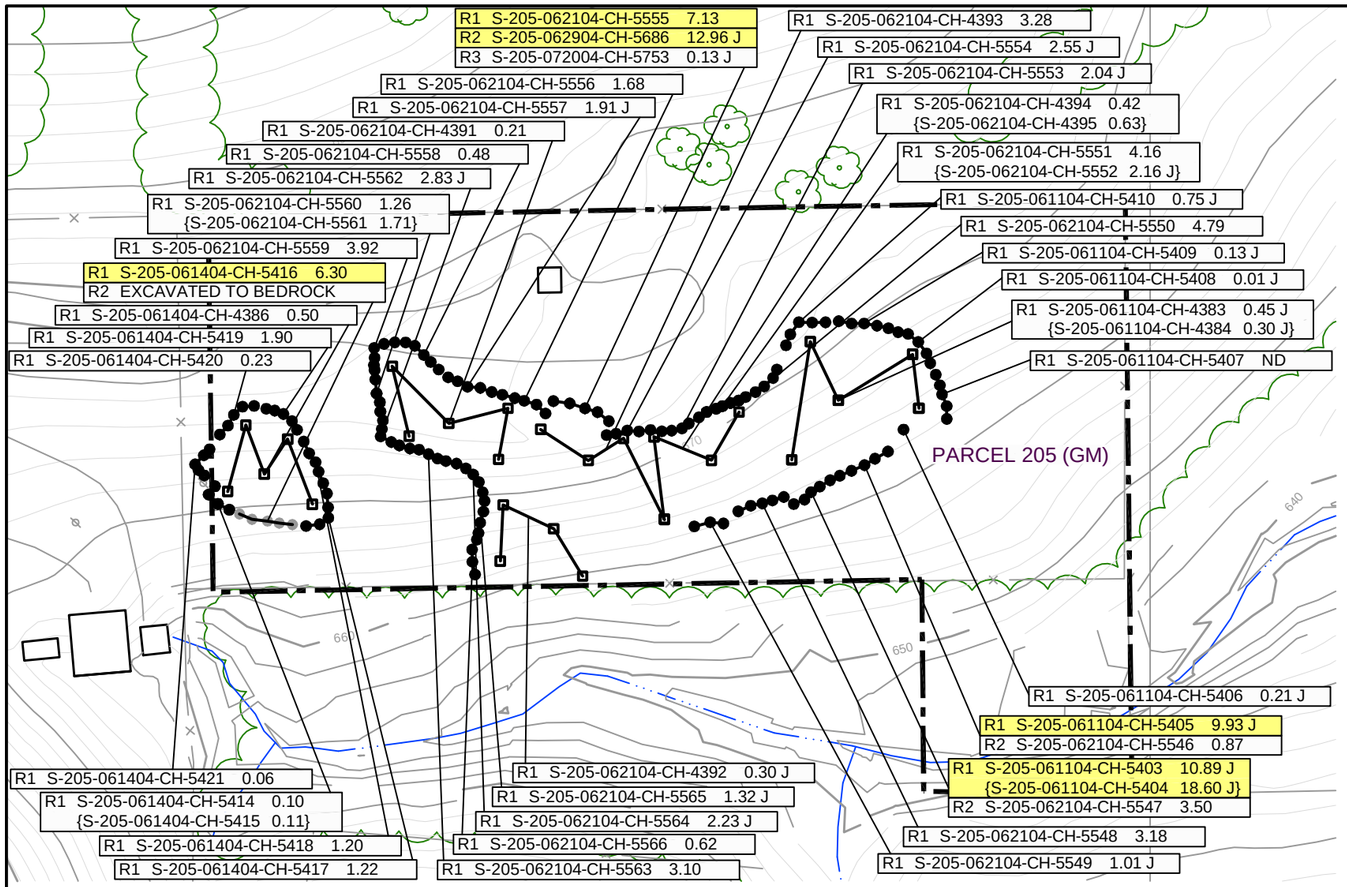
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.2.9

PARCEL 12 (VERIFICATION AREAS 11 AND 15) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



LEGEND

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

VERIFICATION RESULTS

R1 S-205-062104-CH-4394 0.42 / {S-205-062104-CH-4395 0.63}
- SAMPLE ID
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN mg/kg
- DUPLICATE SAMPLE
- SAMPLING ROUND NUMBER

J — ESTIMATE VALUE

ND — NOT DETECTED

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 5-POINT COMPOSITE FLOOR SAMPLE

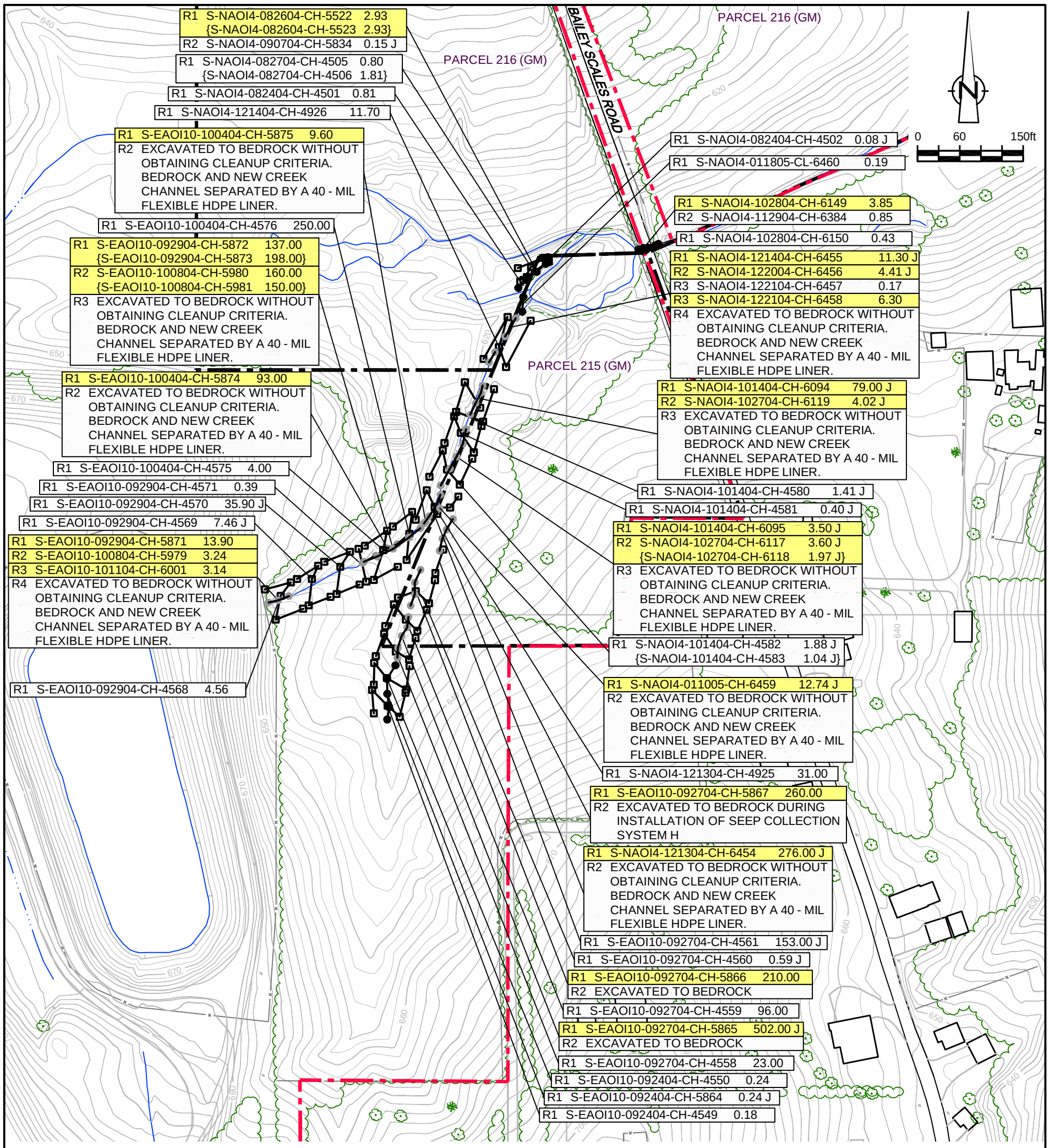
R1 S-205-062104-CH-5555 7.13 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

0 20 60ft

GENERAL NOTES:
(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Parcel excavation to industrial parcel criteria of 5.3 mg/kg PCBs.

figure 4.2.10

PARCEL 205
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- R1 S-EAOI10-092904-CH-5872 137.00 {S-EAOI10-092904-CH-5873 198.00} — SAMPLE ID; TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN mg/kg; DUPLICATE SAMPLE; SAMPLING ROUND NUMBER
- J — ESTIMATE VALUE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE CREEK BED SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 5-POINT COMPOSITE FLOOR SAMPLE
- R1 S-EAOI10-092904-CH-5871 13.90 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Area to be incorporated in the East Plant Area Cover System IM.

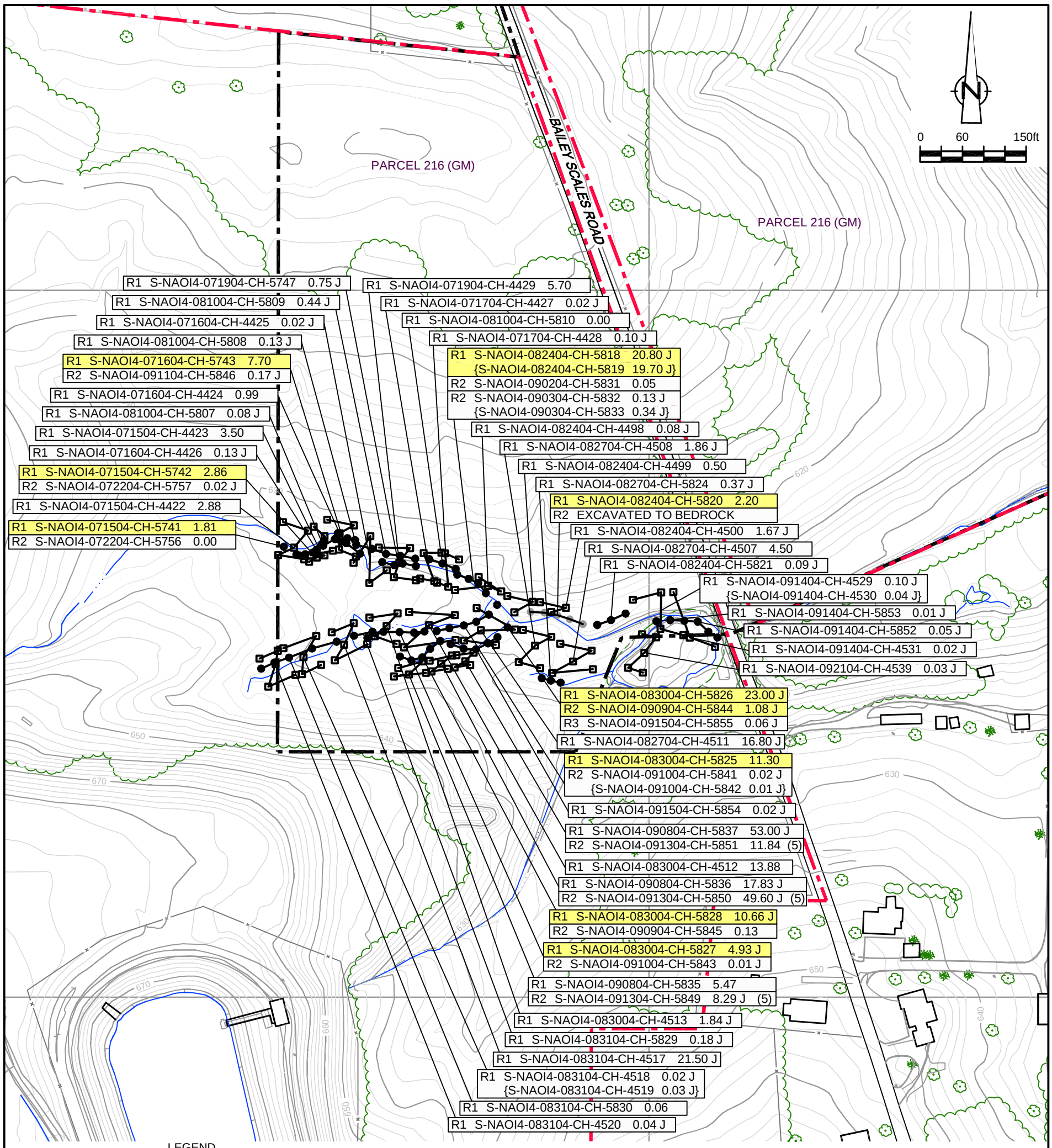
figure 4.2.11

PARCEL 215 AND AREA NORTH OF AOI4
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

CRA

13968-00(117)GN-WA103 FEB 15/2007



LEGEND

EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)

EXISTING VEGETATION

EXISTING BUILDINGS

FENCE LINE

ROADS / UNPAVED AREAS

APPROXIMATE SURFACE WATER LOCATION

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE GM PROPERTY BOUNDARY

R1 S-NAOI4-083104-CH-4518 0.02 J
{S-NAOI4-083104-CH-4519 0.08 J}

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

J — ESTIMATE VALUE

GRAB SAMPLE LOCATION

5-POINT COMPOSITE CREEK BED SAMPLE

5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

5-POINT COMPOSITE FLOOR SAMPLE

R1 S-NAOI4-083004-CH-5828 10.66 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Parcel 216 east of bailey scales road was part of the downstream parcels removal action work plan and the portion of the parcel east of bailey scales road will be discussed in the final Construction Certification Report for the Downstream Parcels Work Plan.
(7). Area to be incorporated in the East Plant Area Cover System IM.

figure 4.2.12

PARCEL 216 (WEST OF BAILEY SCALES ROAD)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

CBA

LEGEND

EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)

EXISTING VEGETATION

EXISTING BUILDINGS

FENCE LINE

ROADS / UNPAVED AREAS

APPROXIMATE SURFACE WATER LOCATION

APPROXIMATE PROPERTY BOUNDARY

12A — SOIL VERIFICATION SAMPLING GRID

GRAB SAMPLE LOCATION

5-POINT COMPOSITE SIDEWALL SAMPLE

5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

R1 S-401-050604-CH-5288 4.58 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

VERIFICATION RESULTS

R1 S-401-051204-CH-5321 0.27 {S-401-051204-CH-5322 1.46}

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

VERIFICATION AREA

J — ESTIMATE VALUE

ND — NOT DETECTED

BCa — BIAS-CORRECTED AND ACCELERATED

GENERAL NOTES:

(1). Cleanup Criteria

a.) Soils to ≤ 1.8 mg/kg.

- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.

(2). Composite side wall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

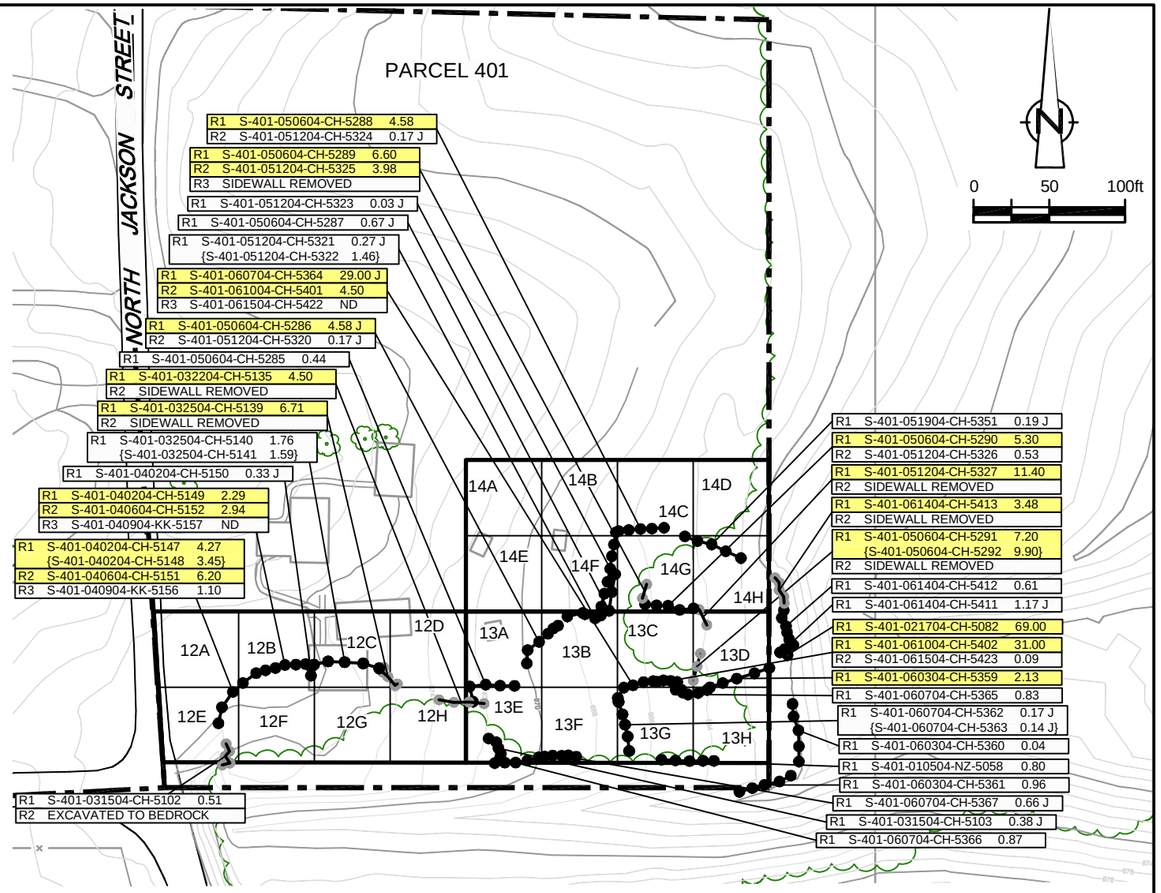
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.

- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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



EXCAVATION FLOOR SAMPLE RESULTS

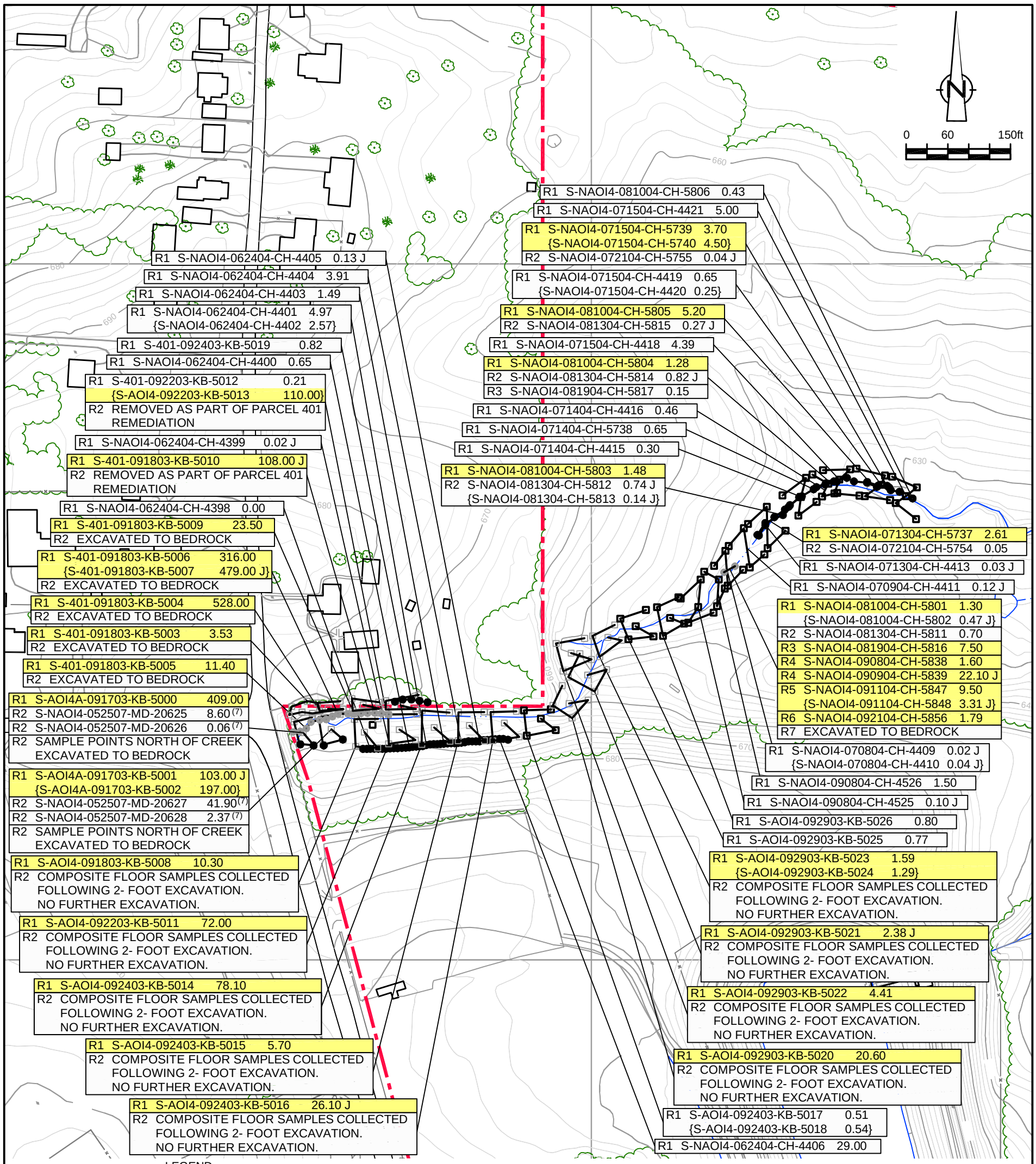
Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
12	A	S-401-051004-CH-5307	0.42	-	-	S-401-051004-CH-5307	0.42
	B	S-401-051004-CH-5308	0.01 J	-	-	S-401-051004-CH-5308	0.01 J
	C	S-401-042104-CH-5202	4.42 J	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	D	S-401-042004-CH-5203	0.67	-	-	S-401-042004-CH-5203	0.67
	E	S-401-042104-CH-5208	3.10	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	F	S-401-042104-CH-5209	10.00 J	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	G	S-401-042104-CH-5210	3.77 J	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	H	S-401-042104-CH-5211	33.30 J	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
UCL Calculations		Not Required Based on Sample Results					

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	R3 Sample ID	R3 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
13	A	S-401-042004-CH-5204	0.72 J	-	-	-	-	S-401-042004-CH-5204	0.72 J
	B	S-401-042004-CH-5205	2.54 J	S-401-050504-CH-5280	0.43	-	-	S-401-050504-CH-5280	0.43
	C	S-401-042104-CH-5206	5.90	S-401-050504-CH-5281	2.15	S-401-051204-CH-5329	1.42	S-401-051204-CH-5329	1.42
	D	S-401-051904-CH-5350	0.38 J	-	-	-	-	S-401-051904-CH-5350	0.38 J
	E	S-401-042104-CH-5212 {S-401-042104-CH-5217	3.38 2.60 J}	S-401-050504-CH-5282	0.87 J	- -	- -	S-401-050504-CH-5282	0.87 J
	F	S-401-050504-CH-5283	0.62	-	-	-	-	S-401-050504-CH-5283	0.62
	G	S-401-052604-SP-5352	3.06	S-401-061004-CH-4381	17.00	EXCAVATED TO BEDROCK		EXCAVATED TO BEDROCK	
	H	S-401-052604-SP-5353	7.40 J	EXCAVATED TO BEDROCK		-	-	EXCAVATED TO BEDROCK	
UCL Calculations		Percentile Bootstrap 95% UCL 0.82 mg/kg							
		BCa Bootstrap 95% UCL 0.85 mg/kg							

Verification Area	Grid	Sampling Round R1 Sample ID	R1 Result (mg/kg)	R2 Sample ID	R2 Result (mg/kg)	R3 Sample ID	R3 Result (mg/kg)	R4 Sample ID	R4 Result (mg/kg)	FINAL Sample ID	FINAL Result (mg/kg)
14	A	S-401-042004-CH-5192	0.05 J	-	-	-	-	-	-	S-401-042004-CH-5192	0.05 J
	B	S-401-042004-CH-5193	0.03 J	-	-	-	-	-	-	S-401-042004-CH-5193	0.03 J
	C	S-401-042004-CH-5194	0.25	-	-	-	-	-	-	S-401-042004-CH-5194	0.25
	D	S-401-051304-CH-5330	ND	-	-	-	-	-	-	S-401-051304-CH-5330	ND
	E	S-401-042004-CH-5196	0.11 J	-	-	-	-	-	-	S-401-042004-CH-5196	0.11 J
	F	S-401-042004-CH-5197	0.19	-	-	-	-	-	-	S-401-042004-CH-5197	0.19
	G	S-401-042104-CH-5198	4.00	S-401-050504-CH-5278 {S-401-050504-CH-5279	2.55 3.33 J}	S-401-051204-CH-5328	10.30 J	S-401-051904-CH-5347 {S-401-051904-CH-5348	0.22 J 0.23 J}	S-401-051904-CH-5347 {S-401-051904-CH-5348	0.22 J 0.23 J}
	H	S-401-051304-CH-5331	6.60	S-401-051904-CH-5349	0.96 J	-	-	-	-	S-401-051904-CH-5349	0.96 J
UCL Calculations		Not Required Based on Sample Results									

figure 4.2.13

PARCEL 401 (VERIFICATION AREAS 12 TO 14)
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- R1 S-NAOI4-062404-CH-4401 4.97 / {S-NAOI4-062404-CH-4402 2.57} — SAMPLE ID; TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN mg/kg; DUPLICATE SAMPLE; SAMPLING ROUND NUMBER
- J — ESTIMATE VALUE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE CREEK BED SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 5-POINT COMPOSITE FLOOR SAMPLE
- R1 S-NAOI4-081004-CH-5803 1.48 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

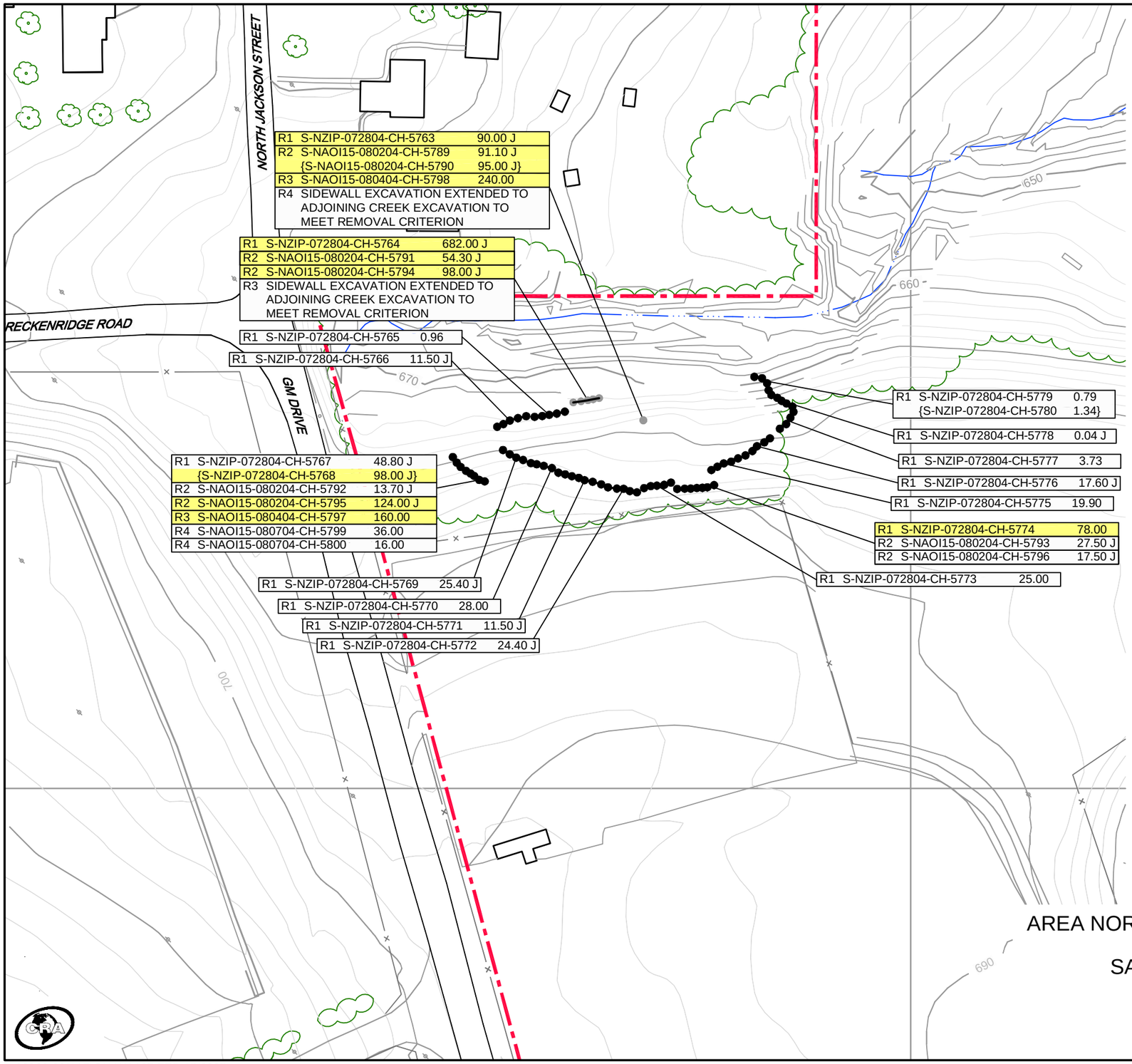
GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Area to be incorporated in the East Plant Area Cover System IM.
(7). Result is less than 50 mg/kg PCBs and area to be incorporated in the East Plant Area Cover System

figure 4.2.14A

AREA NORTH OF AOI4
POST EXCAVATION VERIFICATION
SAMPLE SUMMARY LOCATIONS AND RESULTS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA



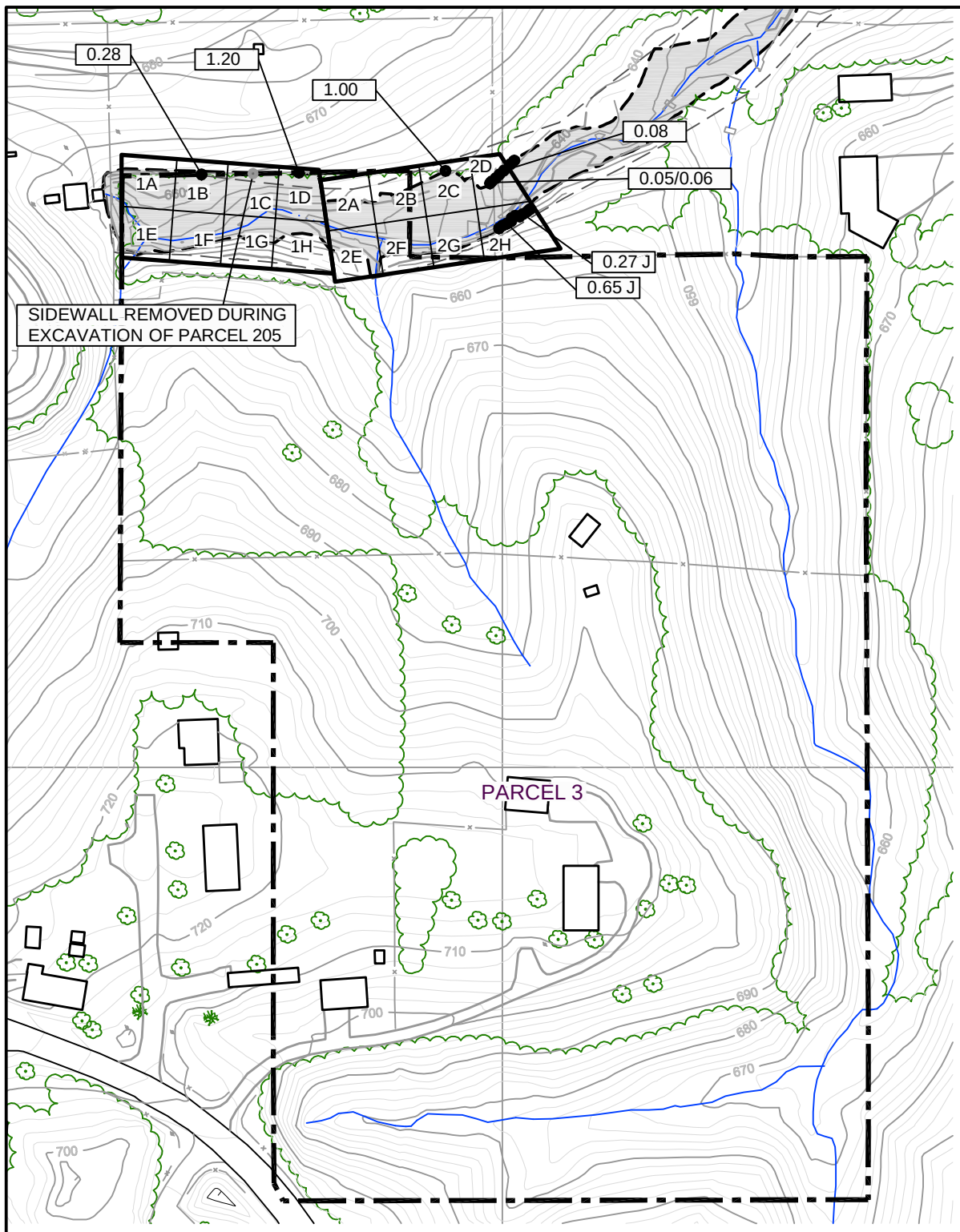
GENERAL NOTES:

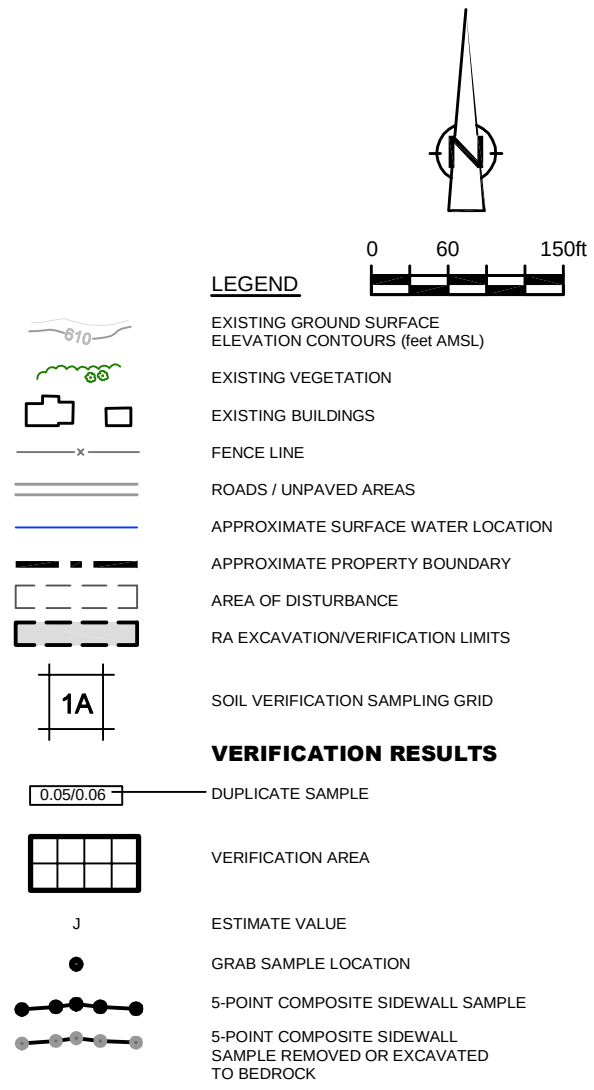
(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). The sampling round (e.g. R1, R2, etc..) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(4). Area to be incorporated in the East Plant Area Cover System IM.
(5). Excavation completed to remove material with the potential to re-contaminate the creek. Silt fences were installed post excavation to separate the area from the creek.

figure 4.2.14B

AREA NORTH OF AOI4 (NORTH ZIPP LOT EXCAVATION) POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana





GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

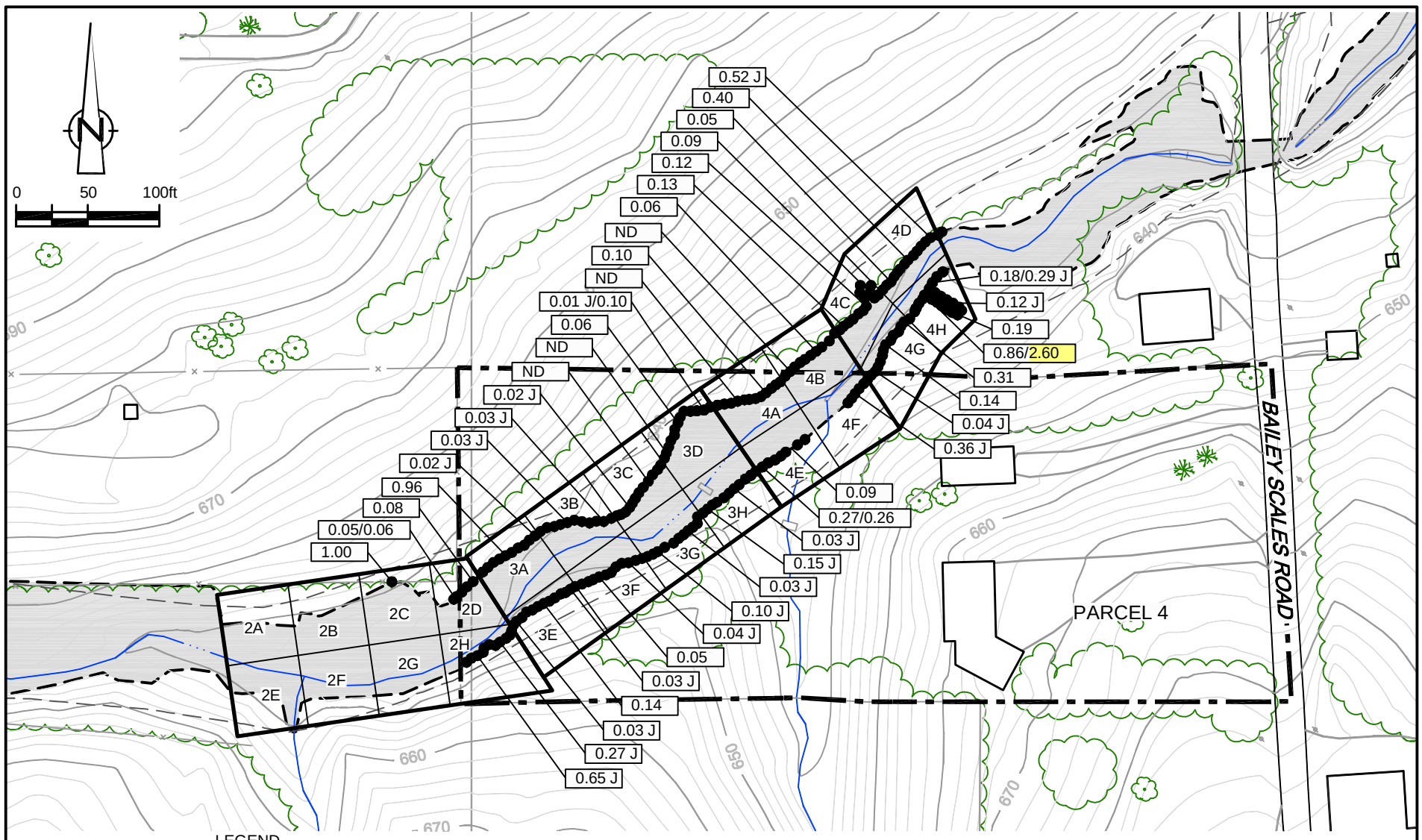
EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
1	A	EXCAVATED TO BEDROCK
	B	EXCAVATED TO BEDROCK
	C	EXCAVATED TO BEDROCK
	D	EXCAVATED TO BEDROCK
	E	0.18
	F	0.08
	G	0.96
	H	0.21 J
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
2	A	0.34 J/0.24 J}
	B	0.40 J
	C	EXCAVATED TO BEDROCK
	D	0.73 J
	E	0.83
	F	0.11 J/0.11 J
	G	0.10 J
	H	0.03 J
UCL Calculations		Not Required Based on Sample Results

figure 4.3.1

PARCEL 3 (VERIFICATION AREAS 1 AND 2)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 3A — SOIL VERIFICATION SAMPLING GRID
- **VERIFICATION RESULTS**
- 0.05/0.06 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.60 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
2	A	0.34 J/0.24 J}
	B	0.40 J
	C	EXCAVATED TO BEDROCK
	D	0.73 J
	E	0.83
	F	0.11 J/0.11 J
	G	0.10 J
	H	0.03 J
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
4	A	0.04 J
	B	0.56
	C	0.12/0.15
	D	0.19
	E	0.07 J/0.08 J
	F	0.01 J
	G	0.10 J
	H	0.17 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.36 mg/kg
		BCa Bootstrap 95% UCL 0.43 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
3	A	0.05
	B	0.10/0.06
	C	0.11
	D	0.05 J
	E	0.11 J
	F	0.01 J
	G	0.03 J
	H	0.04 J
UCL Calculations		Not Required Based on Sample Results

GENERAL NOTES:

(1). Cleanup Criteria

a.) Soils to ≤ 1.8 mg/kg.

- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.

(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.

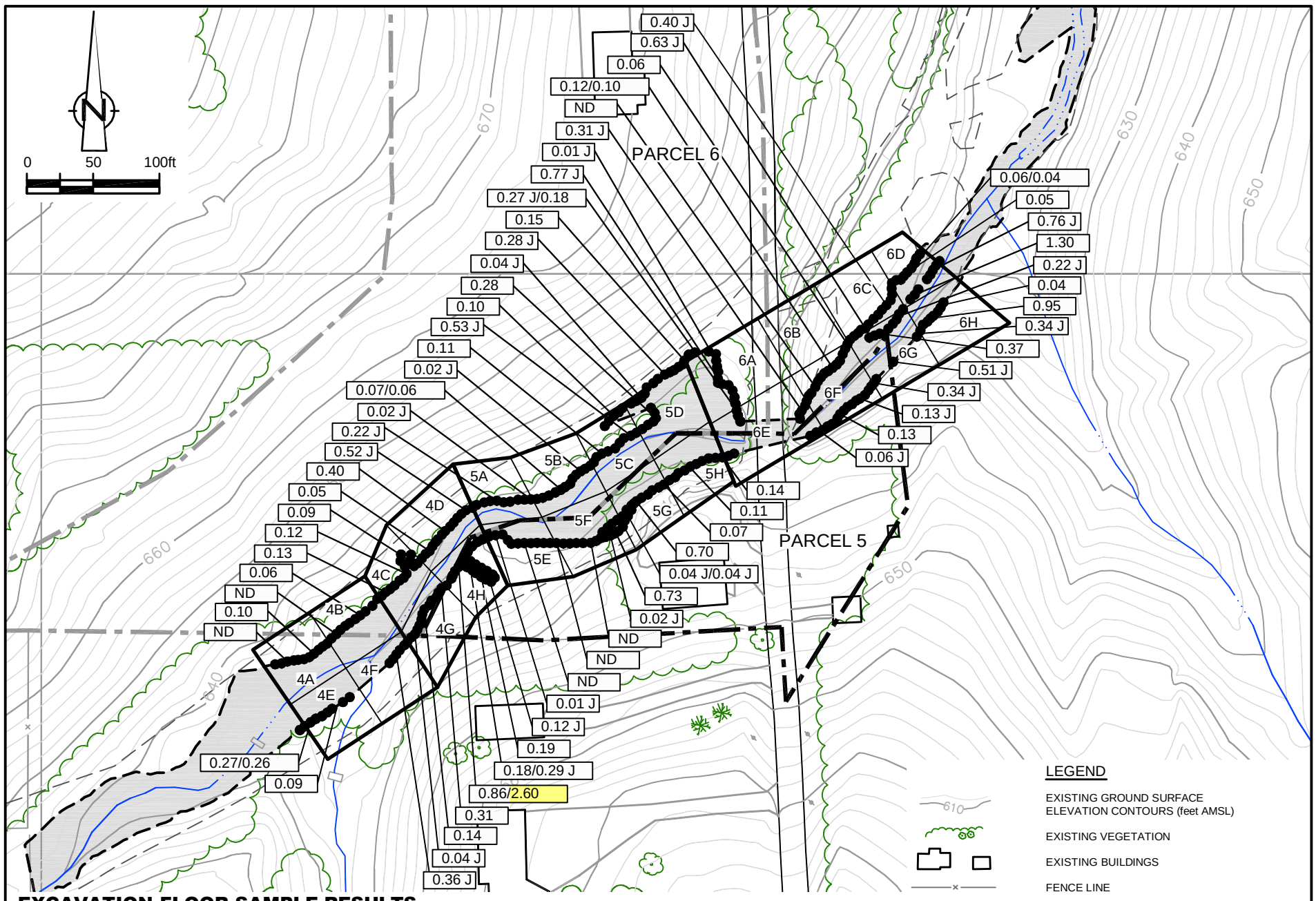
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

figure 4.3.2

PARCEL 4 (VERIFICATION AREAS 2 TO 4)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
4	A	0.04 J
	B	0.56
	C	0.12/0.15
	D	0.19
	E	0.07 J/0.08 J
	F	0.01 J
	G	0.10 J
	H	0.17 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.36 mg/kg
		BCa Bootstrap 95% UCL 0.43 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
5	A	0.49
	B	0.28
	C	0.19
	D	0.15
	E	0.73
	F	0.08 J/0.12 J
	G	1.20
	H	0.13
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
6	A	1.20
	B	0.95/0.59
	C	0.29
	D	0.10
	E	0.86 J
	F	1.79 J
	G	0.06/0.06 J
	H	0.12
UCL Calculations		Not Required Based on Sample Results

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE PRE-EXCAVATION SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 5A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.07/0.06 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE. RESULT IS LESS THAN REPORTING LIMIT
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.60 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

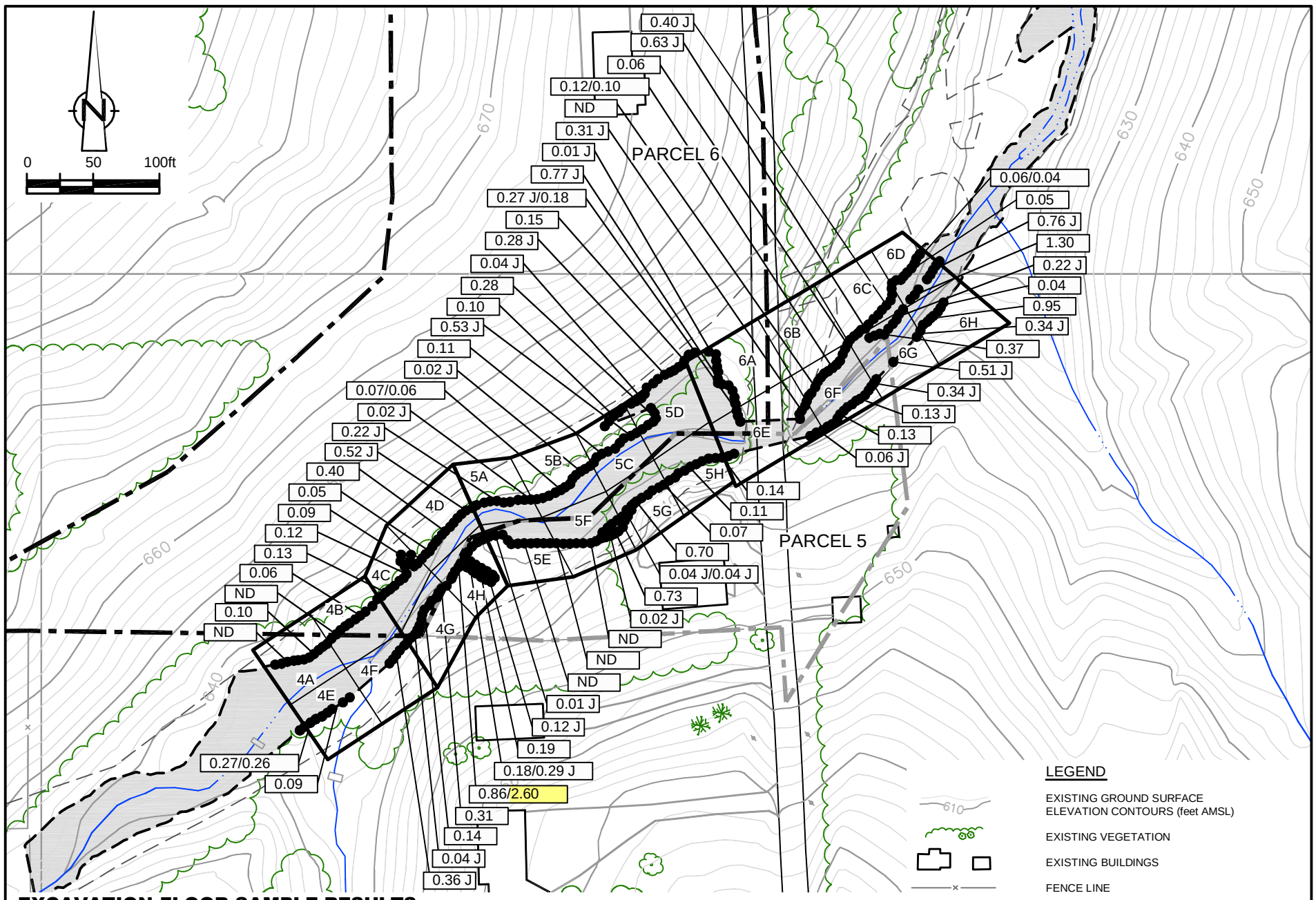
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.3

PARCEL 5 (VERIFICATION AREAS 4 TO 6) POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
4	A	0.04 J
	B	0.56
	C	0.12/0.15
	D	0.19
	E	0.07 J/0.08 J
	F	0.01 J
	G	0.10 J
	H	0.17 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.36 mg/kg
		BCa Bootstrap 95% UCL 0.43 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
5	A	0.49
	B	0.28
	C	0.19
	D	0.15
	E	0.73
	F	0.08 J/0.12 J
	G	1.20
	H	0.13
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
6	A	1.20
	B	0.95/0.59
	C	0.29
	D	0.10
	E	0.86 J
	F	1.79 J
	G	0.06/0.06 J
	H	0.12
UCL Calculations		Not Required Based on Sample Results

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE PRE-EXCAVATION SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 5A — SOIL VERIFICATION SAMPLING GRID
- **VERIFICATION RESULTS**
- 0.07/0.06 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE. RESULT IS LESS THAN REPORTING LIMIT
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.60 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

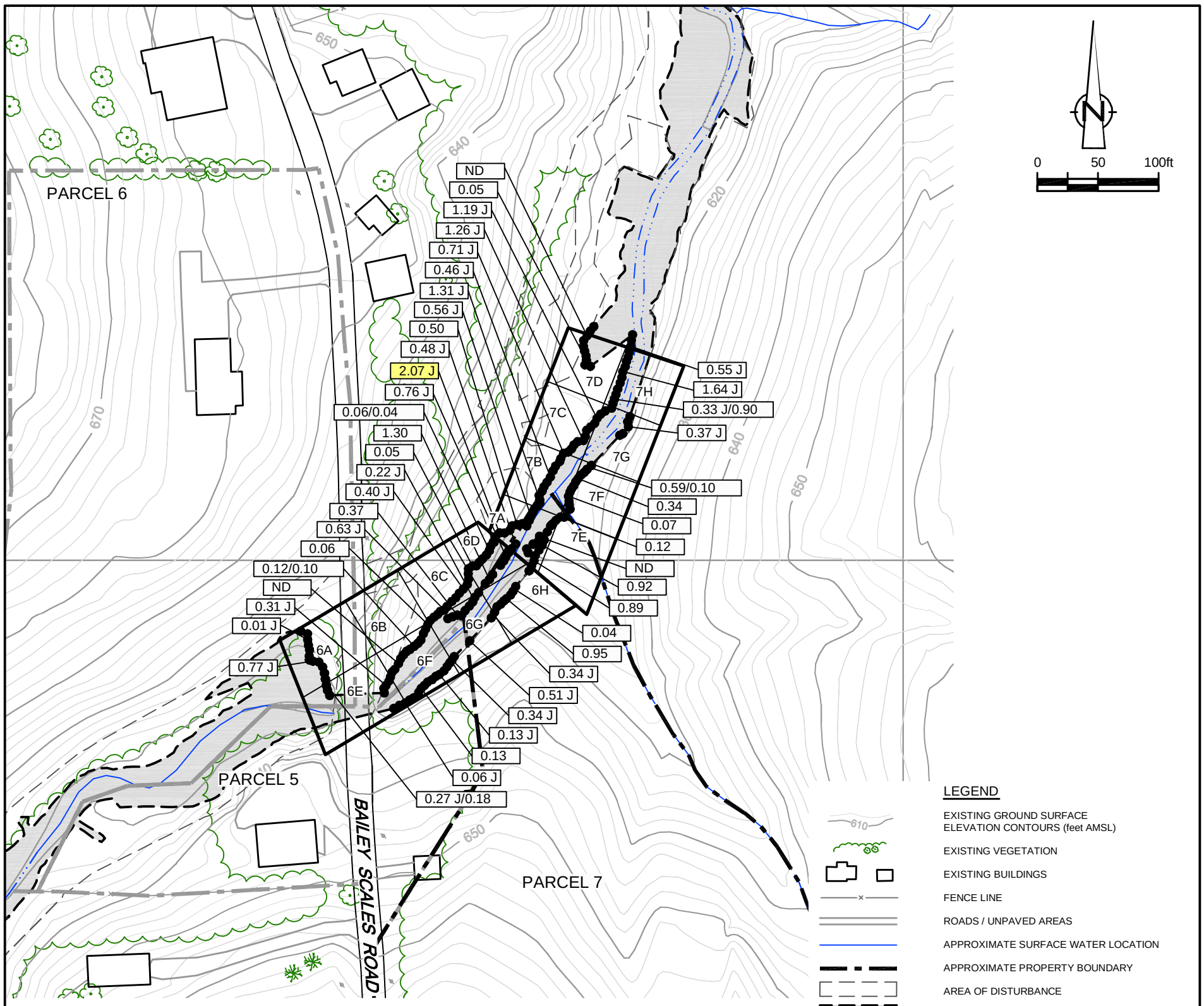
GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.4

PARCEL 6 (VERIFICATION AREAS 4 TO 6) POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
6	A	1.20
	B	0.95/0.59
	C	0.29
	D	0.10
	E	0.86 J
	F	1.79 J
	G	0.06/0.06 J
	H	0.12
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
7	A	0.25
	B	0.09
	C	0.18
	D	0.07
	E	0.09
	F	0.02 J
	G	0.02 J
	H	0.06
UCL Calculations		Percentile Bootstrap 95% UCL 0.73 mg/kg
		BCa Bootstrap 95% UCL 0.74 mg/kg

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

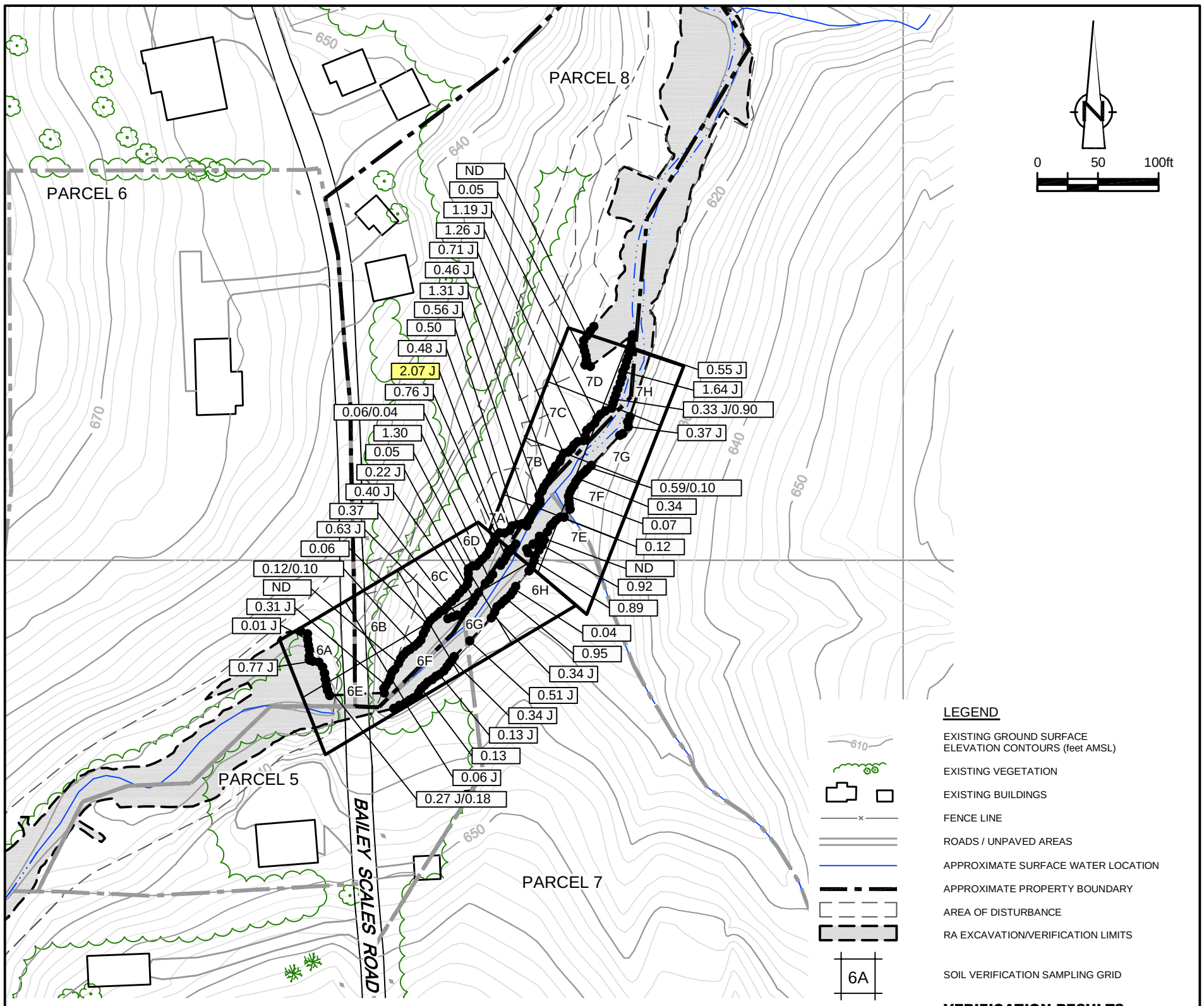
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 6A — SOIL VERIFICATION SAMPLING GRID
- **VERIFICATION RESULTS**
- 0.12/0.10 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.07 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

figure 4.3.5

PARCEL 7 (VERIFICATION AREAS 6 AND 7) POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
6	A	1.20
	B	0.95/0.59
	C	0.29
	D	0.10
	E	0.86 J
	F	1.79 J
	G	0.06/0.06 J
	H	0.12
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
7	A	0.25
	B	0.09
	C	0.18
	D	0.07
	E	0.09
	F	0.02 J
	G	0.02 J
	H	0.06
UCL Calculations		Percentile Bootstrap 95% UCL 0.73 mg/kg
		BCa Bootstrap 95% UCL 0.74 mg/kg

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 6A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.12/0.10 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.07 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

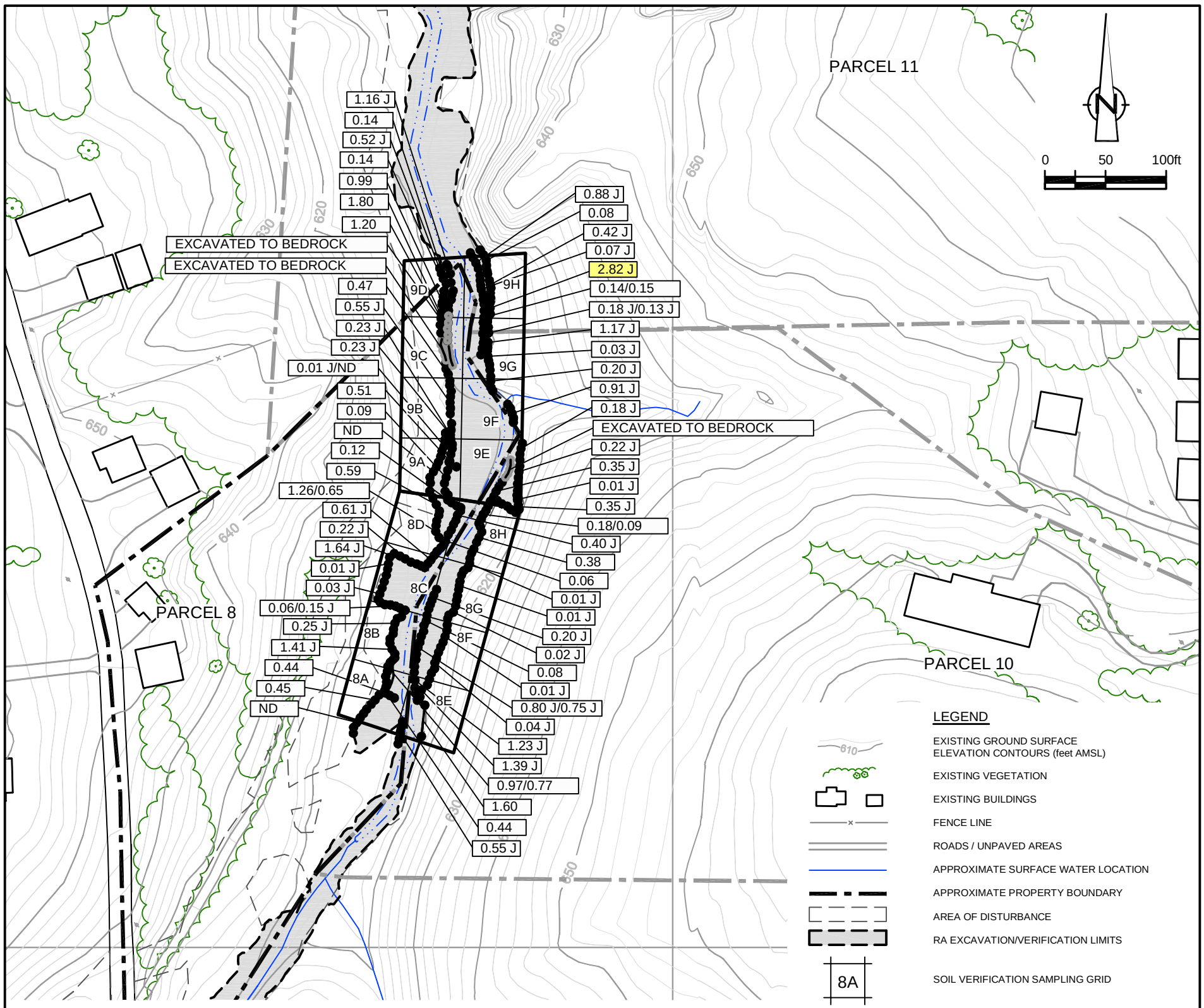
b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.6A

PARCEL 8 (LOWER) (VERIFICATION AREAS 6 AND 7)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
8	A	0.86 J
	B	0.26
	C	ND
	D	0.53
	E	0.48
	F	0.03 J
	G	0.05/0.03 J
	H	0.42
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
9	A	0.29
	B	ND
	C	0.18 J
	D	0.18 J
	E	2.40
	F	0.58
	G	0.22 J
	H	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg
		BCa Bootstrap 95% UCL 0.75 mg/kg

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 8A — SOIL VERIFICATION SAMPLING GRID
- **VERIFICATION RESULTS**
- 0.97/0.77 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.82 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

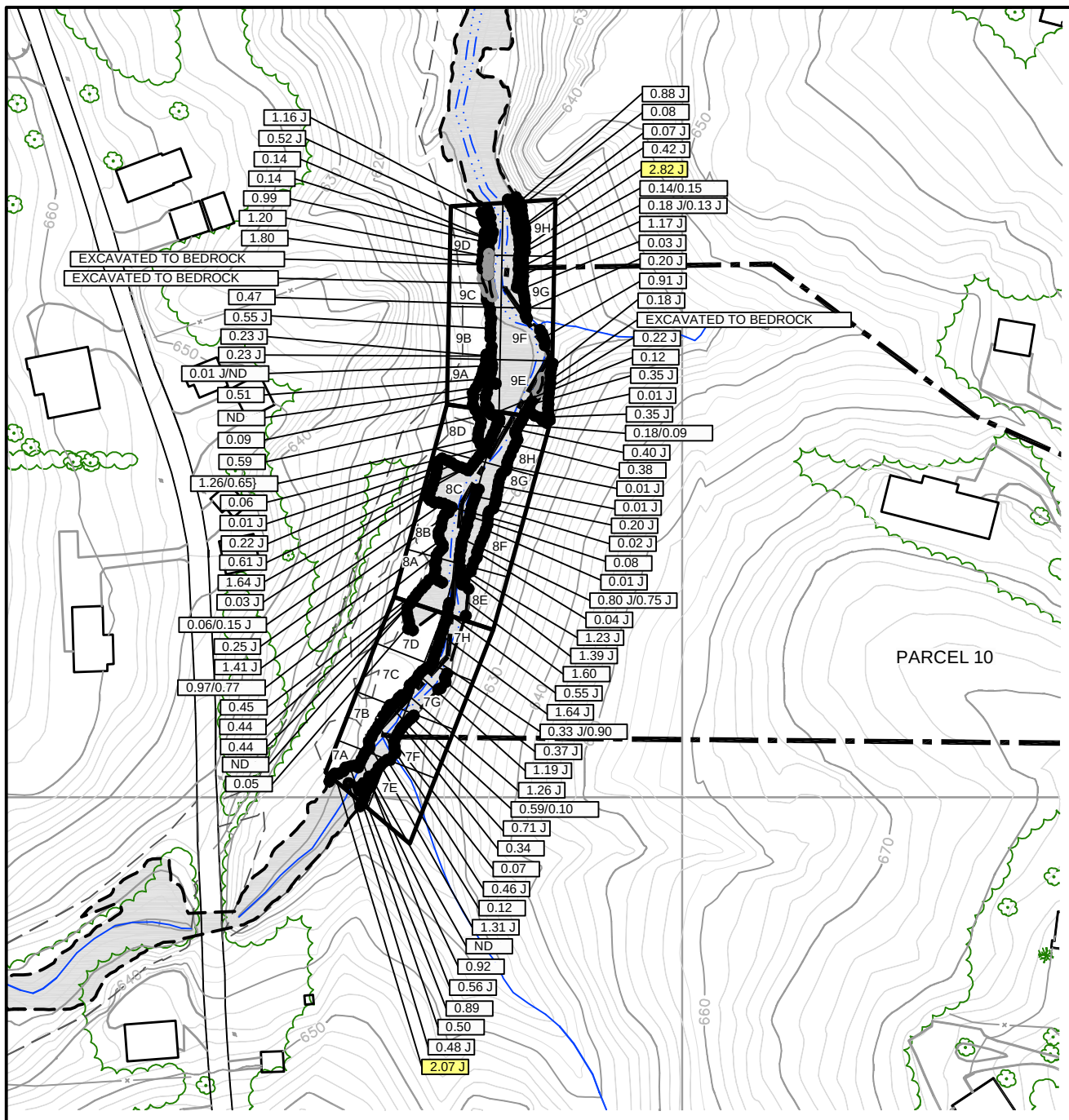
b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.6B

PARCEL 8 (UPPER) (VERIFICATION AREAS 8 AND 9)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
7	A	0.25
	B	0.09
	C	0.18
	D	0.07
	E	0.09
	F	0.02 J
	G	0.02 J
	H	0.06
UCL Calculations		Percentile Bootstrap 95% UCL 0.73 mg/kg
		BCa Bootstrap 95% UCL 0.74 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
8	A	0.86 J
	B	0.26
	C	ND
	D	0.53
	E	0.48
	F	0.03 J
	G	0.05/0.03 J
	H	0.42
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
9	A	0.29
	B	ND
	C	0.18 J
	D	0.18 J
	E	2.40
	F	0.58
	G	0.22 J
	H	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg
		BCa Bootstrap 95% UCL 0.75 mg/kg

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 8A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

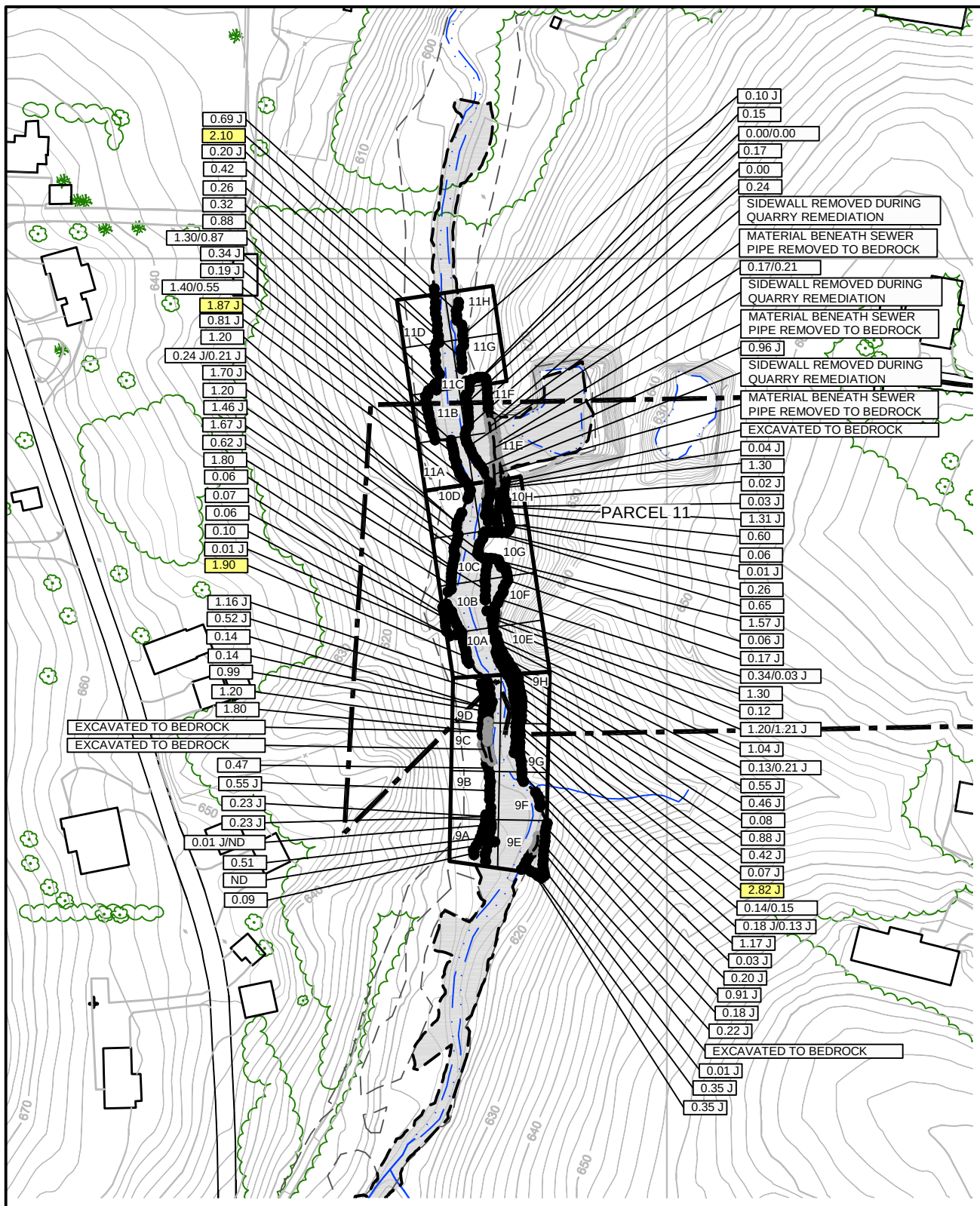
- 0.59/0.10 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 2.07 J — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.7

PARCEL 10 (VERIFICATION AREAS 7 TO 9)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
9	A	0.29
	B	ND
	C	0.18 J
	D	0.18 J
	E	2.40
	F	0.58
	G	0.22 J
	H	0.19 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.71 mg/kg
		BCa Bootstrap 95% UCL 0.75 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
10	A	1.74 J
	B	0.07
	C	0.25/0.32
	D	0.20
	E	0.60 J
	F	0.10
	G	0.78
	H	EXCAVATED TO BEDROCK
UCL Calculations		Percentile Bootstrap 95% UCL 0.83 mg/kg
		BCa Bootstrap 95% UCL 0.85 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
11	A	0.01 J
	B	0.02 J
	C	0.08
	D	0.16 J
	E	0.44
	F	1.99 J
	G	0.35 J
	H	0.09
UCL Calculations		Percentile Bootstrap 95% UCL 0.74 mg/kg
		BCa Bootstrap 95% UCL 0.77 mg/kg

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.8A

PARCEL 11 (VERIFICATION AREAS 9 TO 11)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

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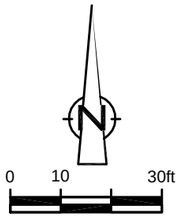


LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) — 610
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF DISTURBANCE
- RA EXCAVATION/VERIFICATION LIMITS
- 11A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.01 J/0.02 J — DUPLICATE SAMPLE
- VERIFICATION AREA
- LQ-1 — LOWER QUARRY VERIFICATION SAMPLING GRID
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE FLOOR 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 where the sidewall of the excavation exceeded 6 inches.
(3). Surficial confirmation samples 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.

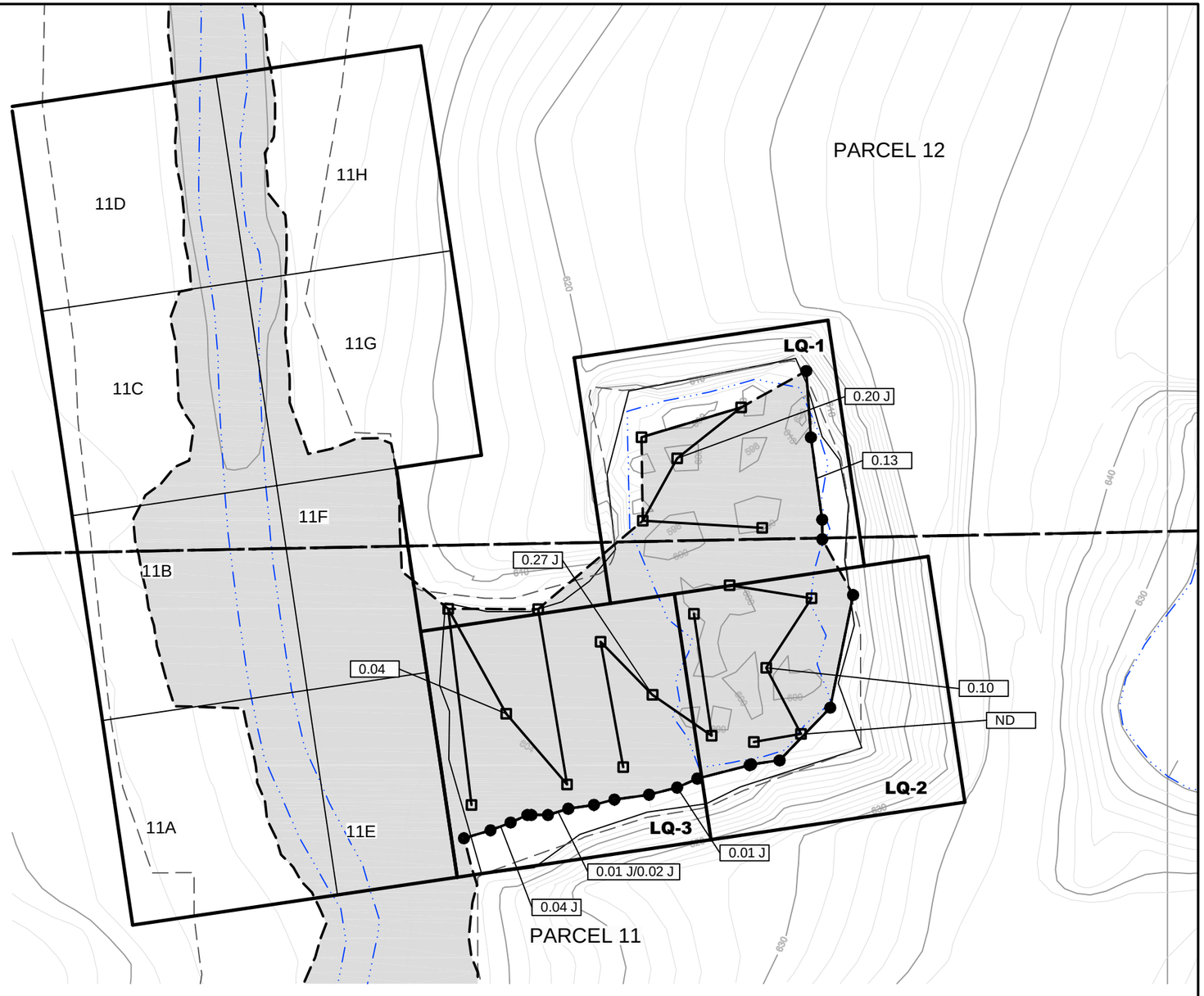
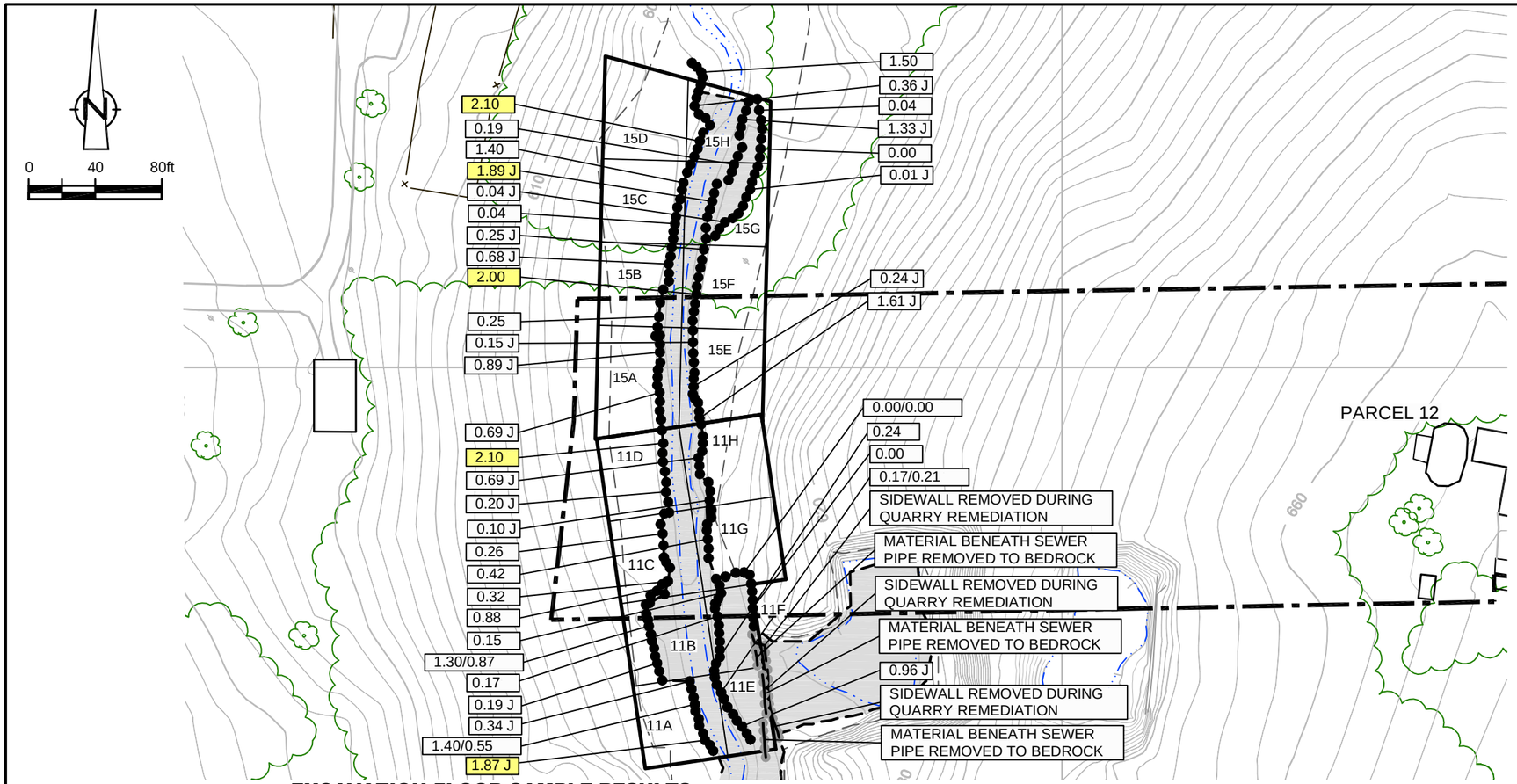


figure 4.3.8B

PARCEL 11 (QUARRY SAMPLE LOCATIONS)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA



EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
11	A	0.01 J
	B	0.02 J
	C	0.08
	D	0.16 J
	E	0.44
	F	1.99 J
	G	0.35 J
	H	0.09
UCL Calculations		Percentile Bootstrap 95% UCL 0.74 mg/kg
		BCa Bootstrap 95% UCL 0.77 mg/kg

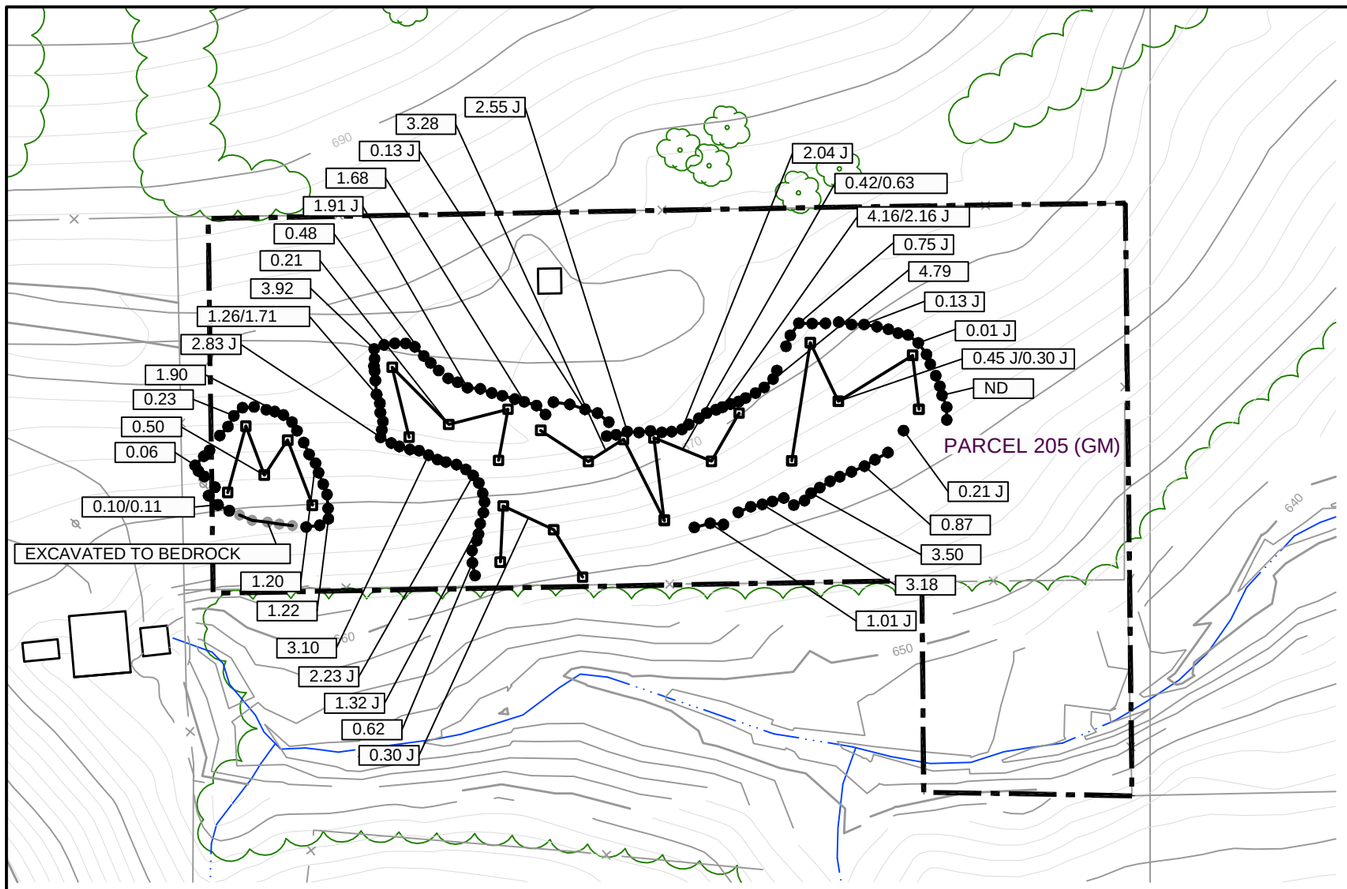
Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
15		0.30 J/0.41
	B	0.40 J
	C	0.16 J
	D	1.70
	E	0.16 J
	F	0.02 J
	G	0.07 J
	H	0.13 J
UCL Calculations		Percentile Bootstrap 95% UCL 0.87 mg/kg
		BCa Bootstrap 95% UCL 0.90 mg/kg

GENERAL NOTES:
(1). Cleanup Criteria
a.) Soils to ≤ 1.8 mg/kg.
- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.
(2). Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.
(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
(7). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.

figure 4.3.9

PARCEL 12 (VERIFICATION AREAS 11 AND 15) POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY *Bedford, Indiana*



LEGEND

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

VERIFICATION RESULTS

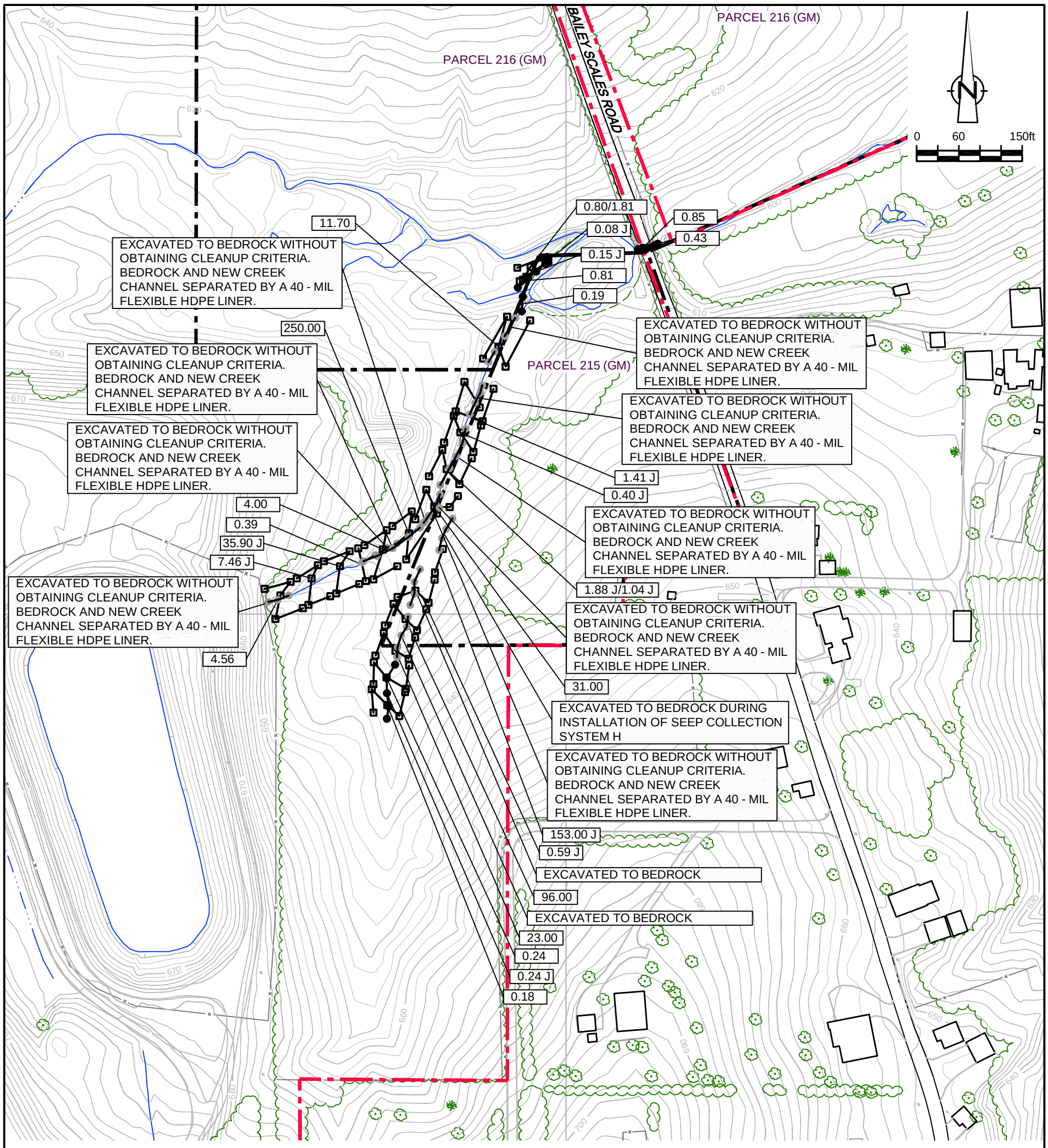
- 0.42/0.63 — DUPLICATE SAMPLE
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 5-POINT COMPOSITE FLOOR SAMPLE

0 20 60ft

GENERAL NOTES:
(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Parcel excavation to industrial parcel criteria of 5.3 mg/kg PCBs.

figure 4.3.10

PARCEL 205
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- 0.80/1.81 — DUPLICATE SAMPLE
- J — ESTIMATE VALUE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE CREEK BED SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 5-POINT COMPOSITE FLOOR SAMPLE

GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Area to be incorporated in the East Plant Area Cover System IM.

figure 4.3.11

PARCEL 215 AND AREA NORTH OF AOI4
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA

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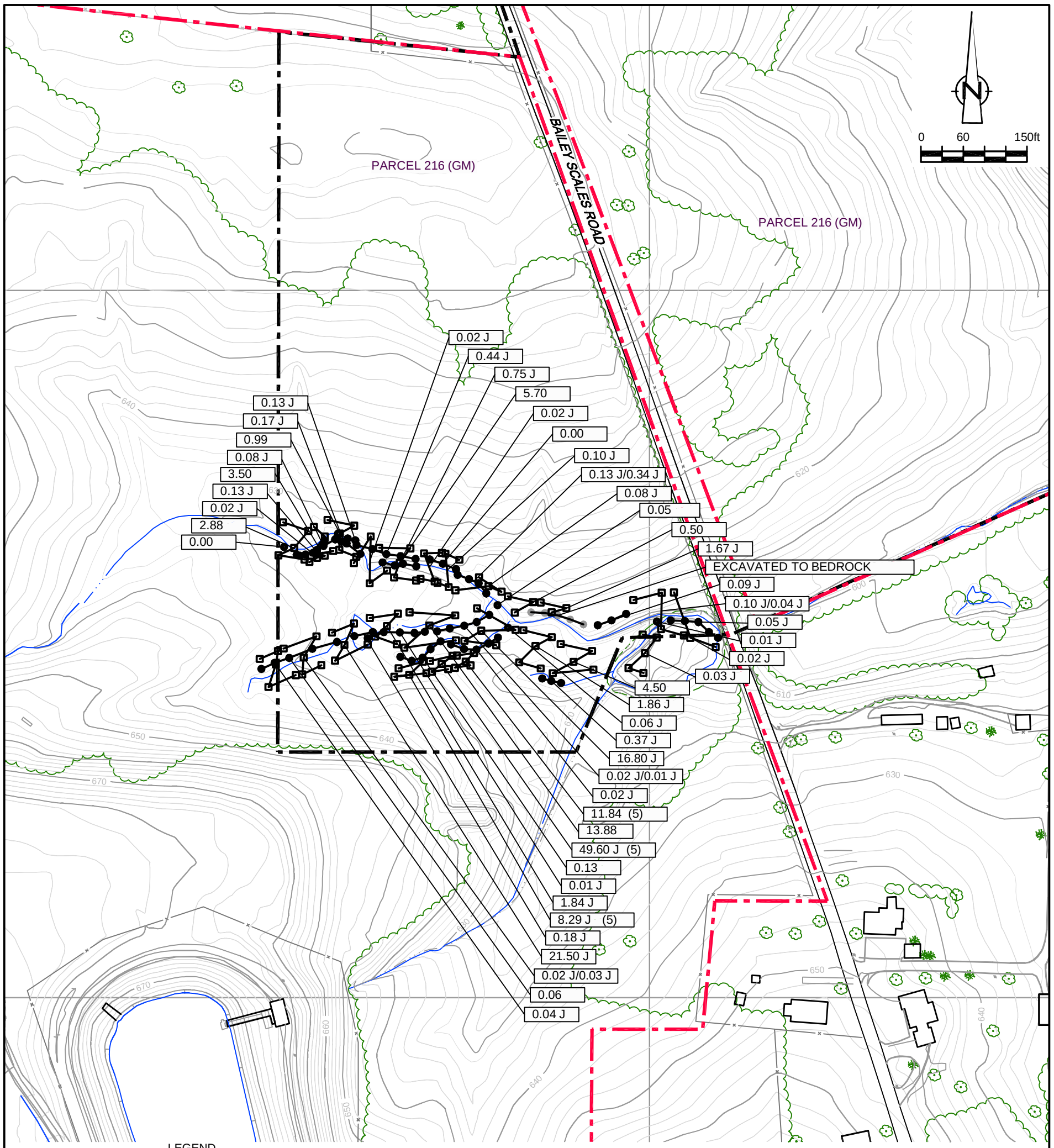


GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Parcel 216 east of bailey scales road was part of the downstream parcels removal action work plan and the portion of the parcel east of bailey scales road will be discussed in the Final Construction Certification Report for the Downstream Parcels Work Plan.
(7). Area to be incorporated in the East Plant Area Cover System IM.

figure 4.3.12

PARCEL 216 (WEST OF BAILEY SCALES ROAD)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- 12A — SOIL VERIFICATION SAMPLING GRID

VERIFICATION RESULTS

- 0.27 J/1.46 — DUPLICATE SAMPLE
- VERIFICATION AREA
- J — ESTIMATE VALUE
- ND — NOT DETECTED
- BCa — BIAS-CORRECTED AND ACCELERATED
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK
- 2.13 — SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

GENERAL NOTES:

(1). Cleanup Criteria

a.) Soils to ≤ 1.8 mg/kg.

- if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.

b.) Sediments to ≤ 1 mg/kg.

(2). Composite side wall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.

(3). The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.

(4). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.

(5). For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.

- UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported.
- UCL calculations included both floor and sidewall samples.

(6). The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.

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

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
12	A	0.42
	B	0.01 J
	C	EXCAVATED TO BEDROCK
	D	0.67
	E	EXCAVATED TO BEDROCK
	F	EXCAVATED TO BEDROCK
	G	EXCAVATED TO BEDROCK
	H	EXCAVATED TO BEDROCK
UCL Calculations		Not Required Based on Sample Results

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
13	A	0.72 J
	B	0.43
	C	1.42
	D	0.38 J
	E	0.87 J
	F	0.62
	G	EXCAVATED TO BEDROCK
	H	EXCAVATED TO BEDROCK
UCL Calculations		Percentile Bootstrap 95% UCL 0.82 mg/kg
		BCa Bootstrap 95% UCL 0.85 mg/kg

Verification Area	Grid	Sampling Round: FINAL Result (mg/kg)
14	A	0.05 J
	B	0.03 J
	C	0.25
	D	ND
	E	0.11 J
	F	0.19
	G	0.22 J/0.23 J
	H	0.96 J
UCL Calculations		Not Required Based on Sample Results

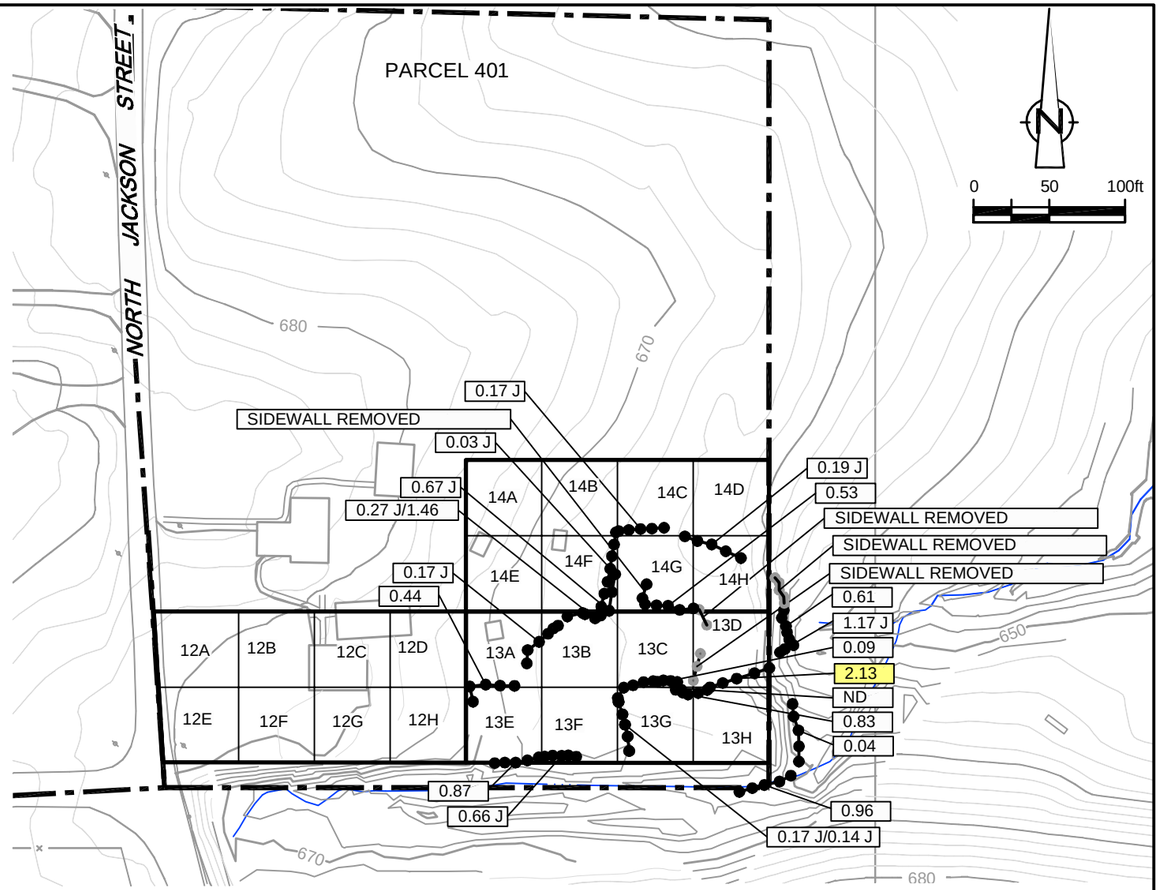
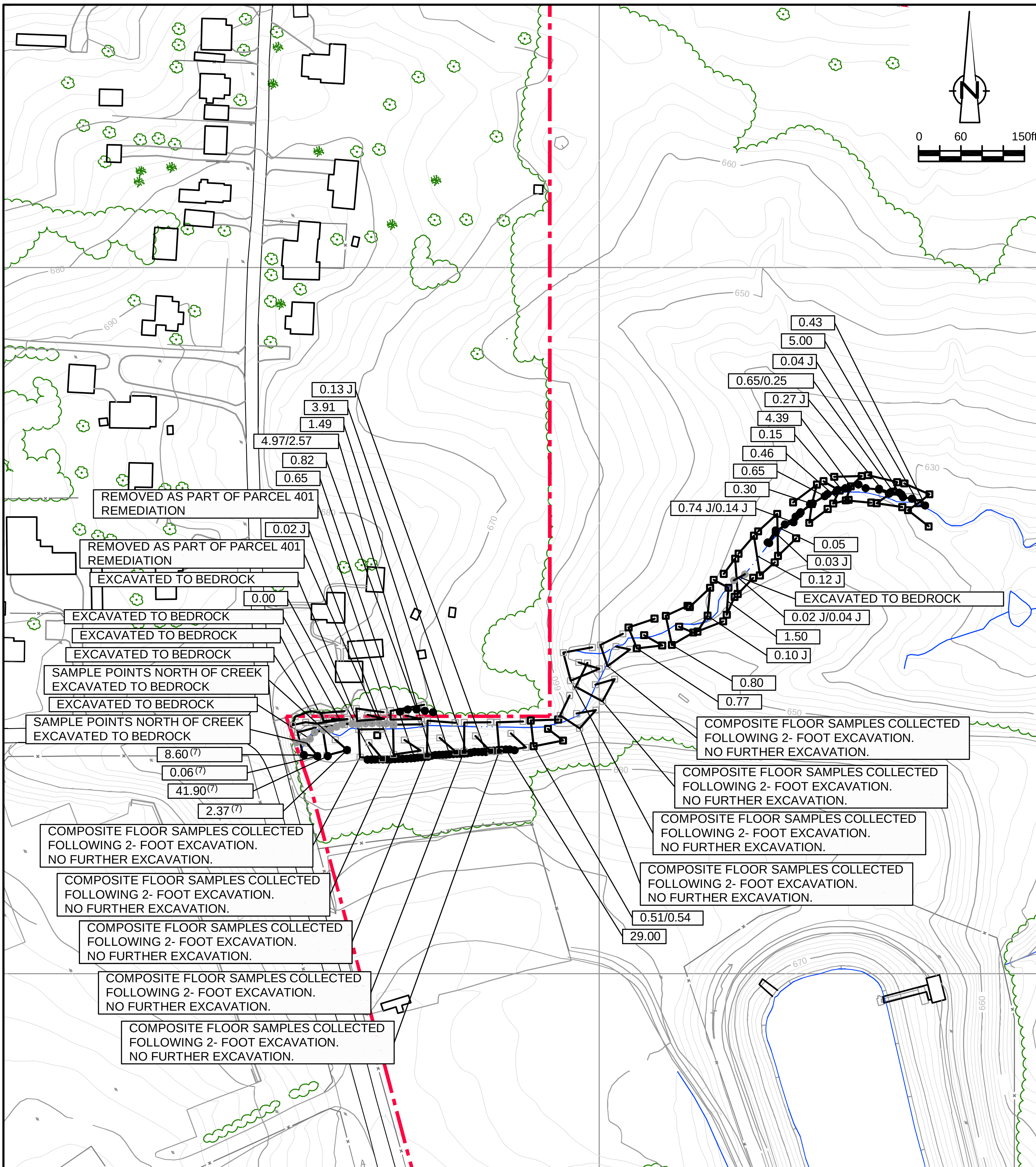


figure 4.3.13

PARCEL 401 (VERIFICATION AREAS 12 TO 14)
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



LEGEND

EXISTING GROUND SURFACE

EXISTING VEGETATION

EXISTING BUILDINGS

FENCE LINE

ROADS / UNPAVED AREAS

APPROXIMATE SURFACE WATER LOCATION

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE GM PROPERTY BOUNDARY

0.51/0.54 DUPLICATE SAMPLE

J ESTIMATE VALUE

GRAB SAMPLE LOCATION

5-POINT COMPOSITE CREEK BED SAMPLE

5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

5-POINT COMPOSITE FLOOR SAMPLE

GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). All 4000 series samples are for information purposes only; 5000 series samples are for verification.
(5). Excavation was completed to 2' depth and 25' perpendicular to the center of channel as per floor excavation criteria.
(6). Area to be incorporated in the East Plant Area Cover System IM.
(7). Result is less than 50 mg/kg PCBs and area to be incorporated in the East Plant Area Cover System

figure 4.3.14A

AREA NORTH OF AOI4
POST EXCAVATION VERIFICATION
FINAL SAMPLE SUMMARY
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

CRA

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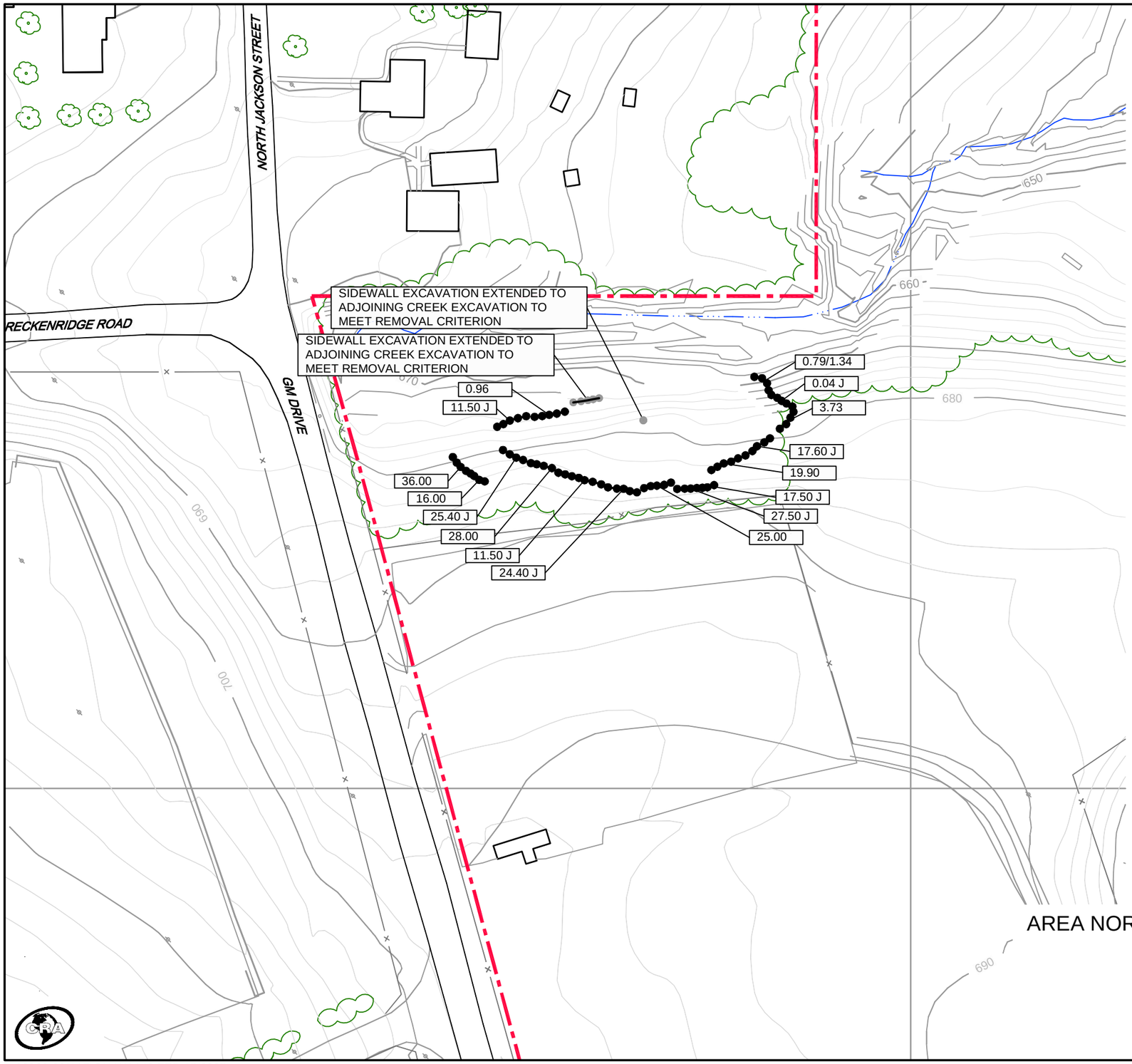

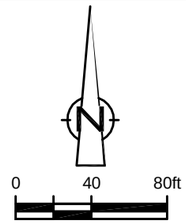

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- 0.79/1.34 — DUPLICATE SAMPLE
- J — ESTIMATE VALUE
- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- 5-POINT COMPOSITE SIDEWALL SAMPLE REMOVED OR EXCAVATED TO BEDROCK

GENERAL NOTES:

(1). Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
(2). A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
(3). 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.
(4). Area to be incorporated in the East Plant Area Cover System IM.
(5). Excavation completed to remove material with the potential to re-contaminate the creek. Silt fences were installed post excavation to separate the area from the creek.

figure 4.3.14B

AREA NORTH OF AOI4 (NORTH ZIPP LOT EXCAVATION) POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

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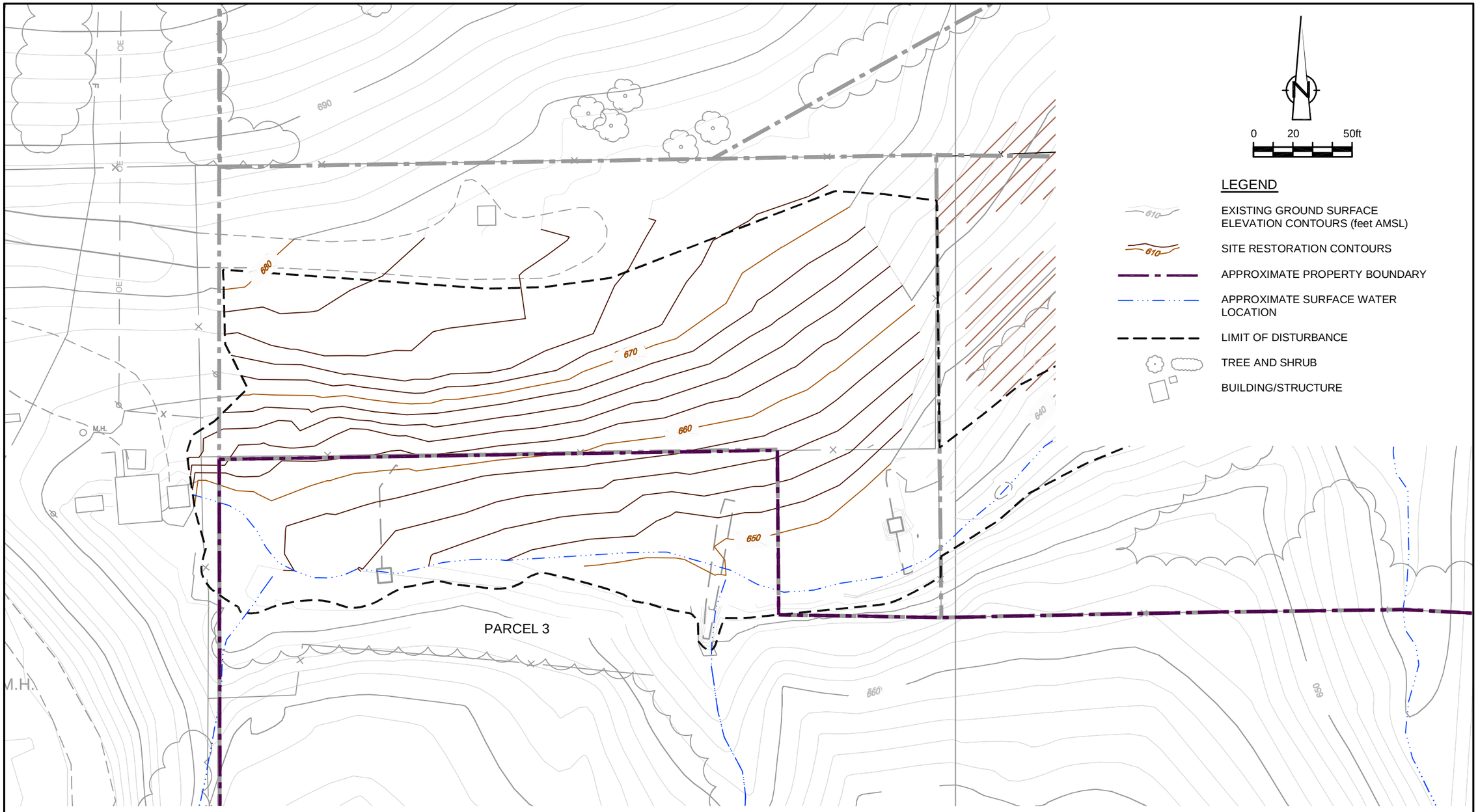


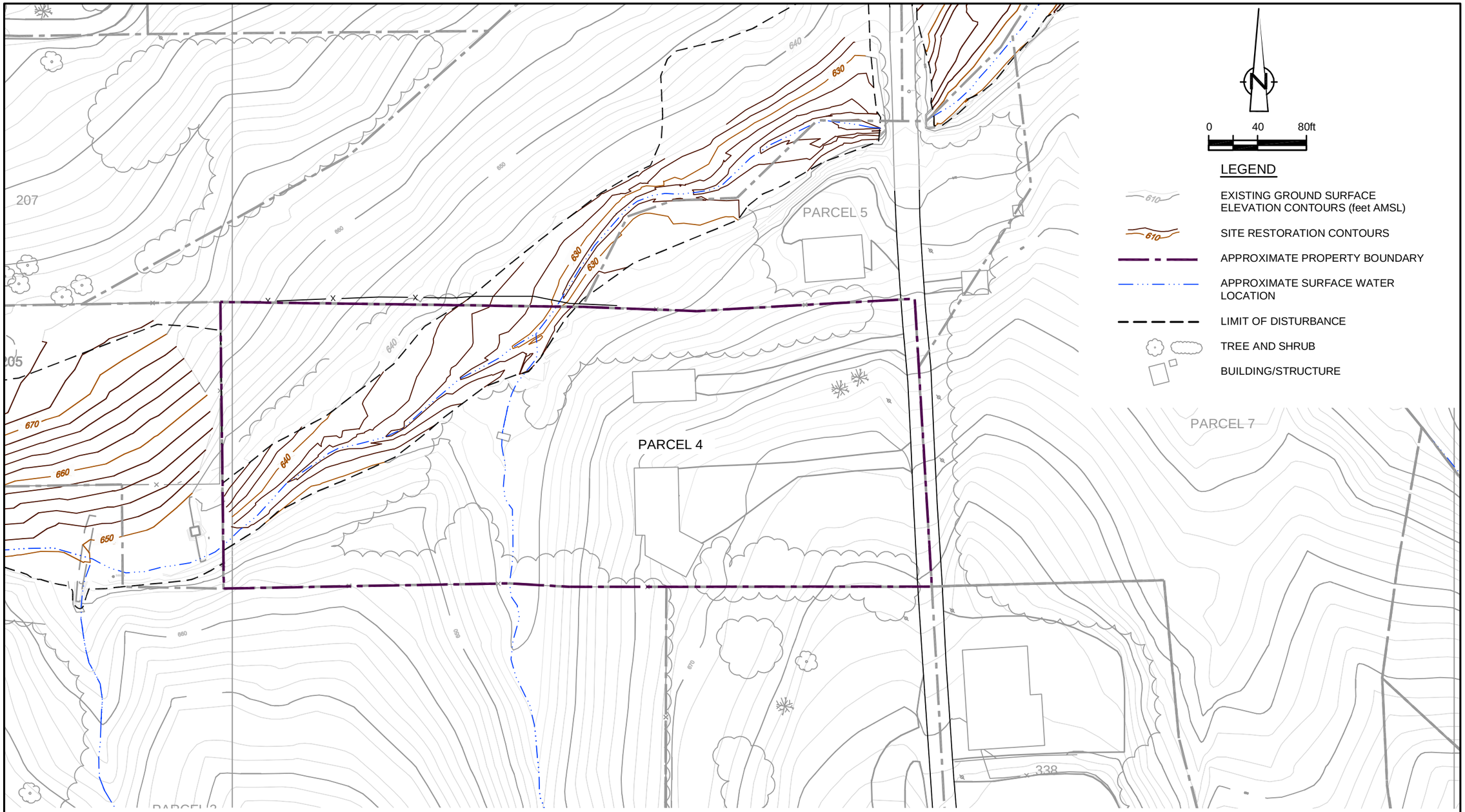
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.1

PARCEL 3 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



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

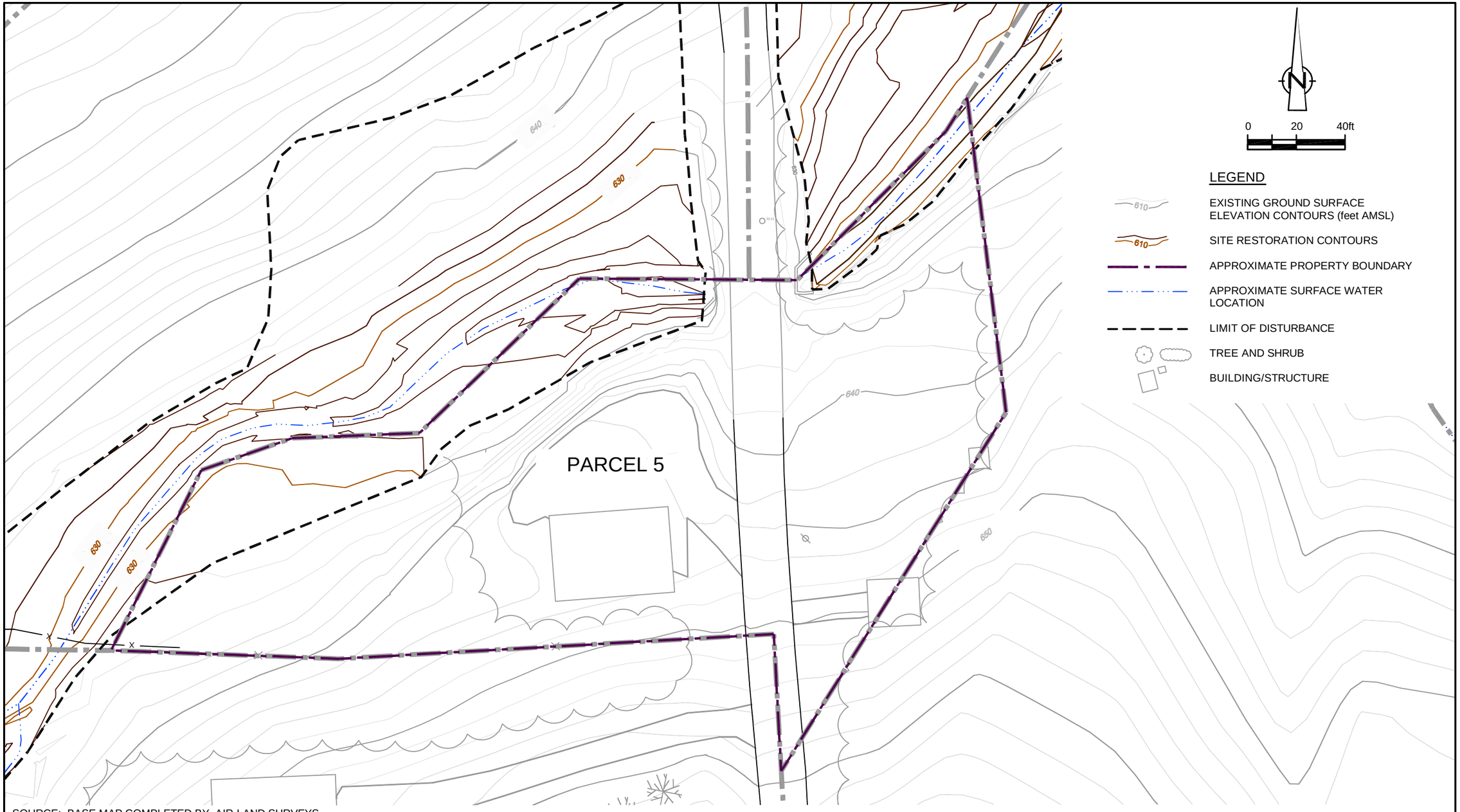
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.2

PARCEL 4 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA067 FEB 15/2007



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

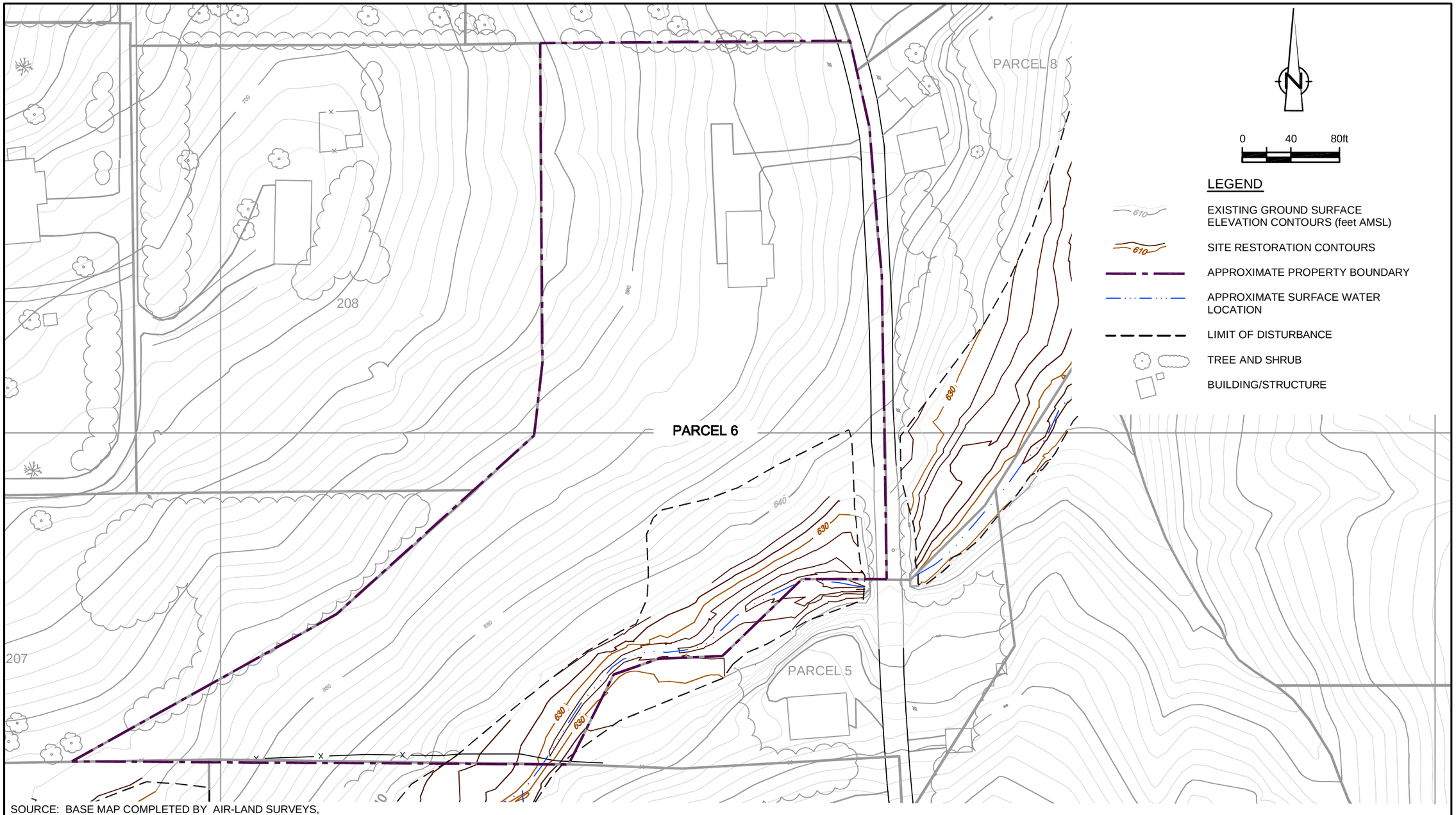
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.3

PARCEL 5 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA068 FEB 15/2007



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

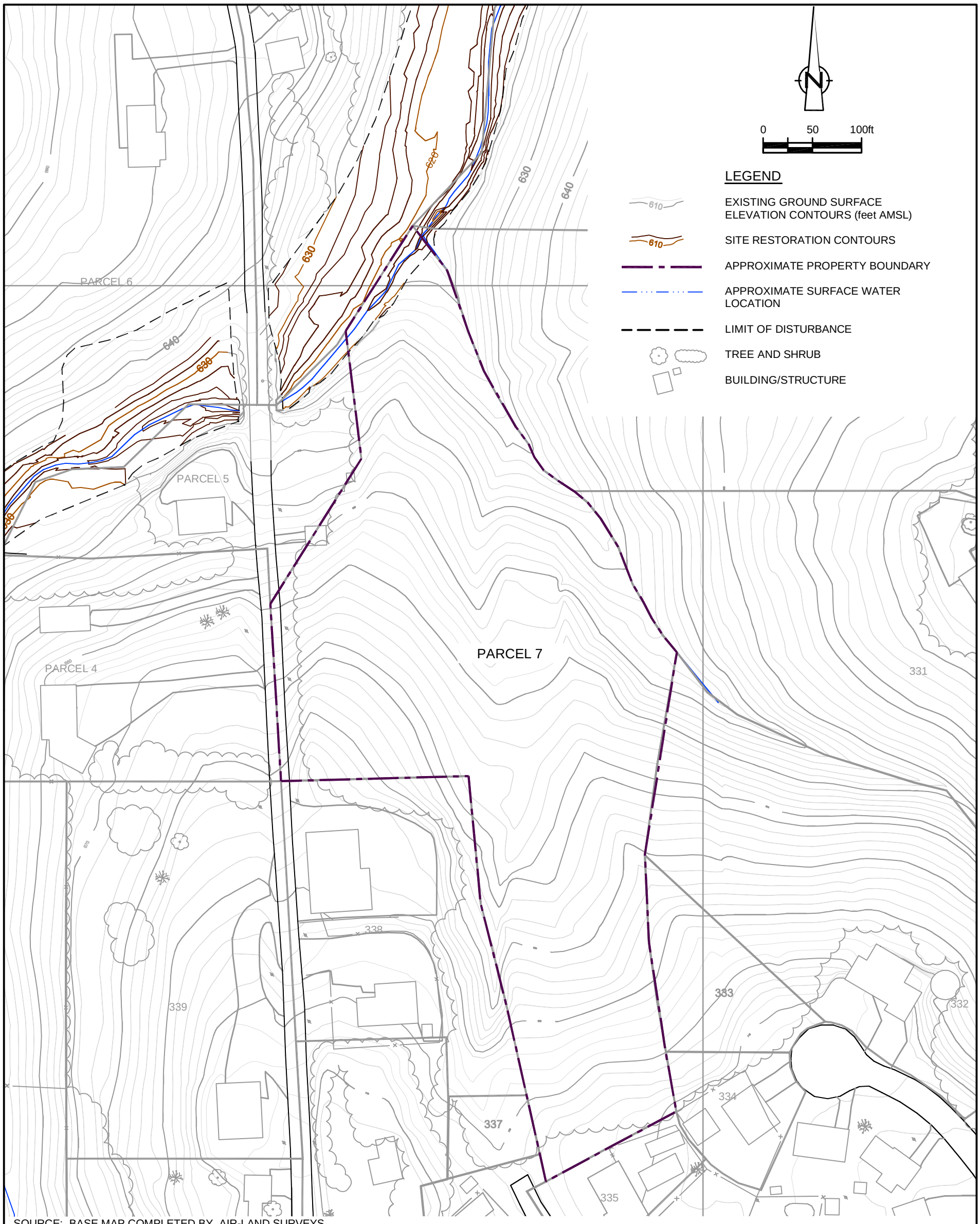
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.4

PARCEL 6 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA069 FEB 15/2007



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

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.5

PARCEL 7 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

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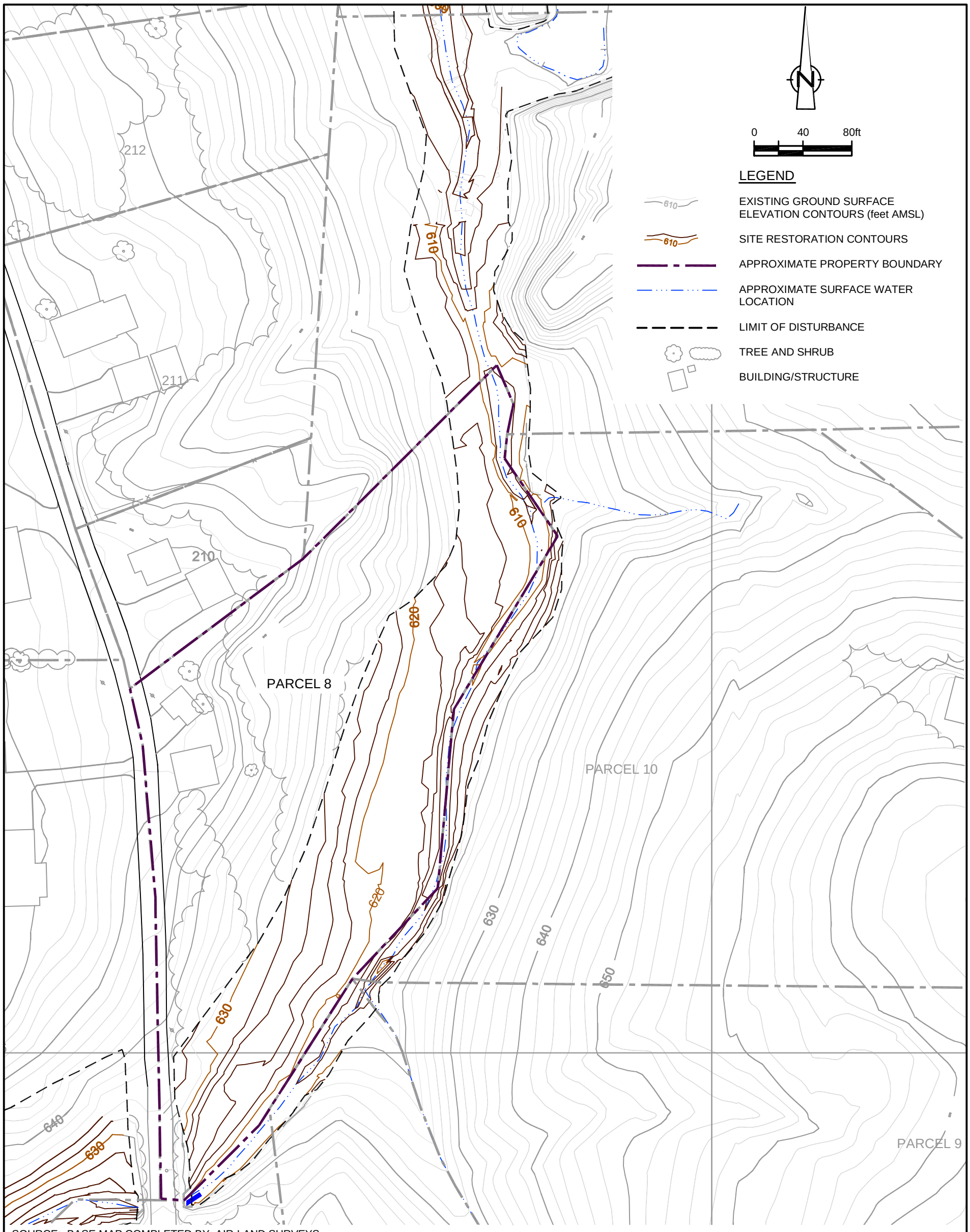


SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

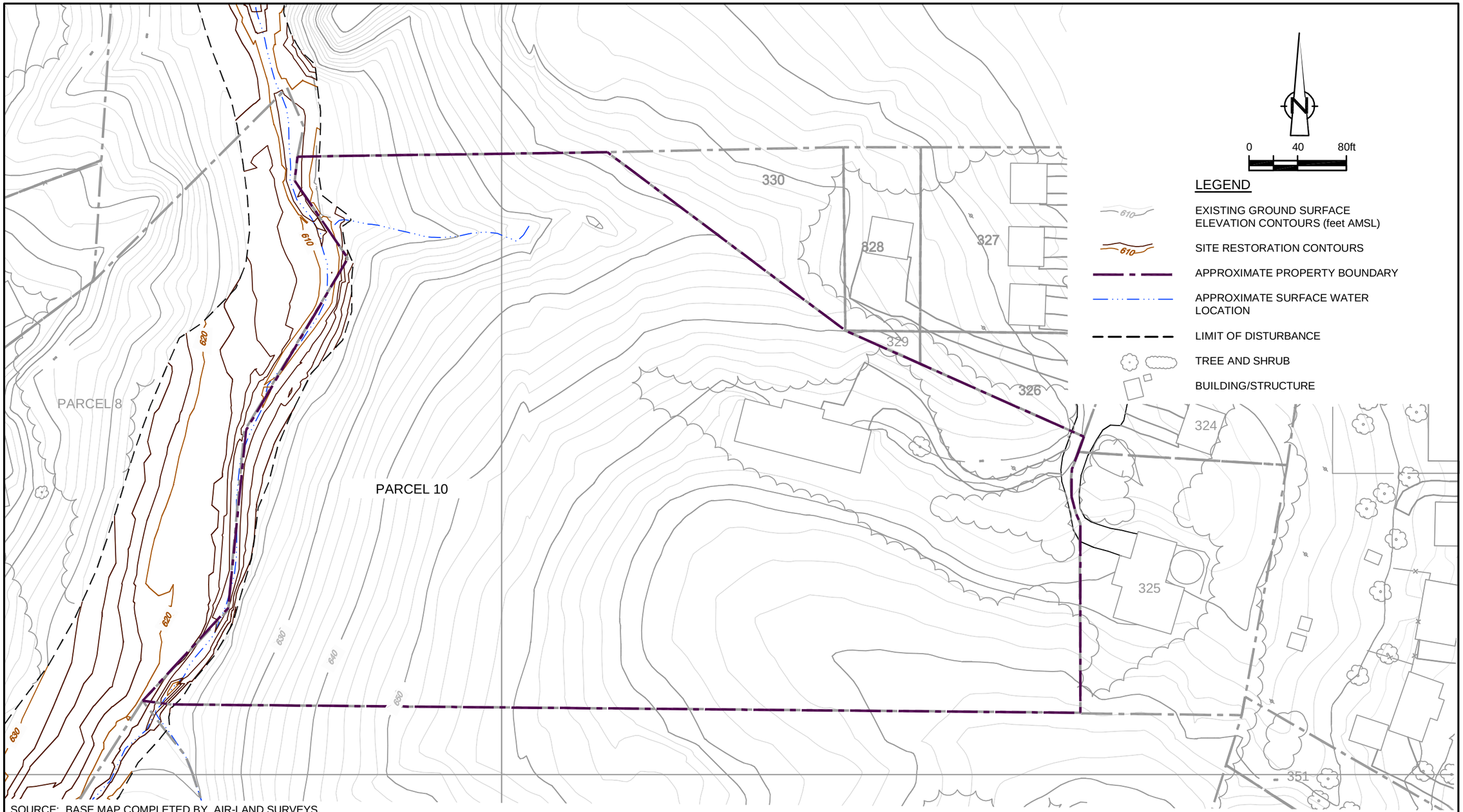
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.6

PARCEL 8 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA071 FEB 15/2007



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

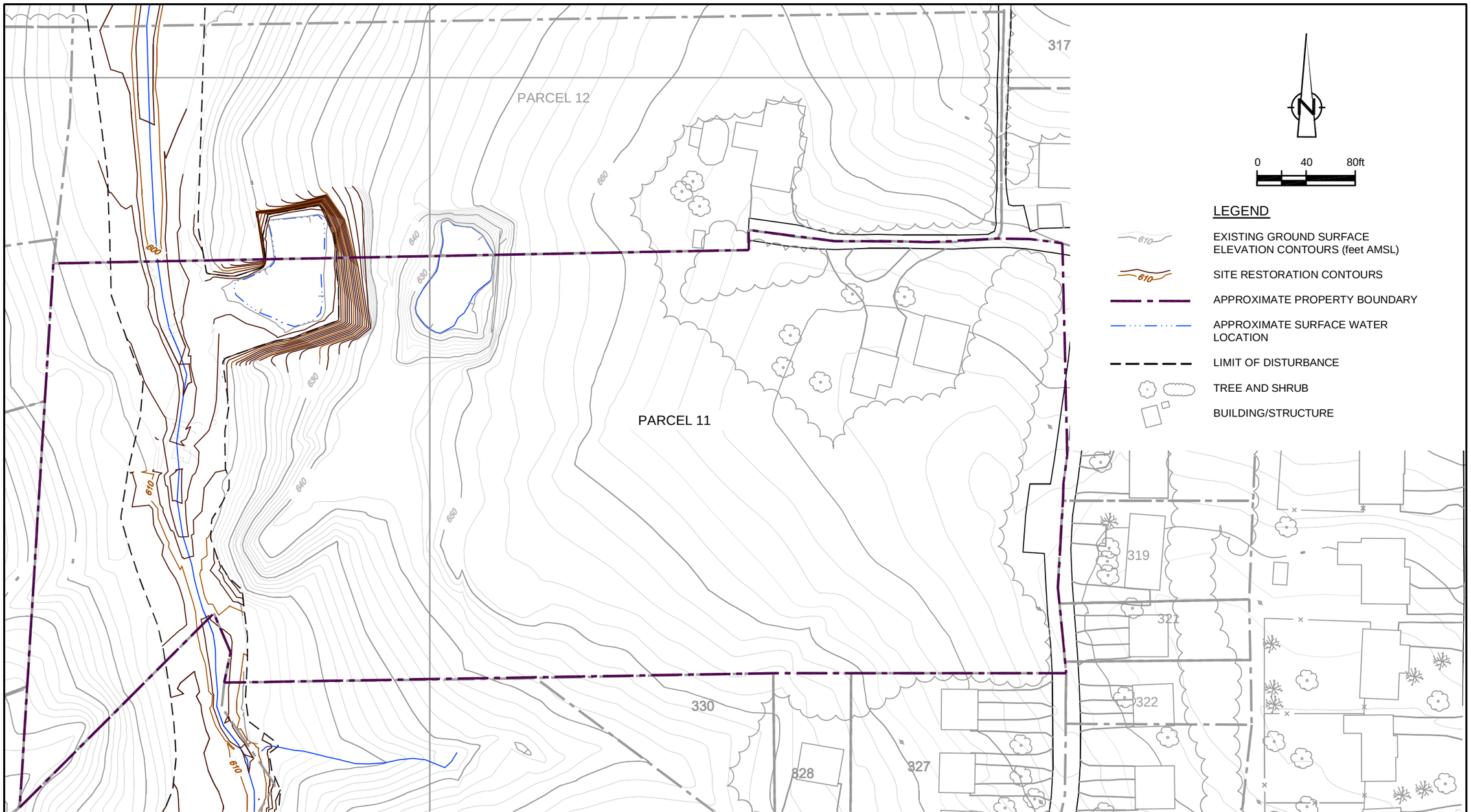
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.7

PARCEL 10 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA072 FEB 15/2007



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

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.8

PARCEL 11 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA073 FEB 15/2007

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

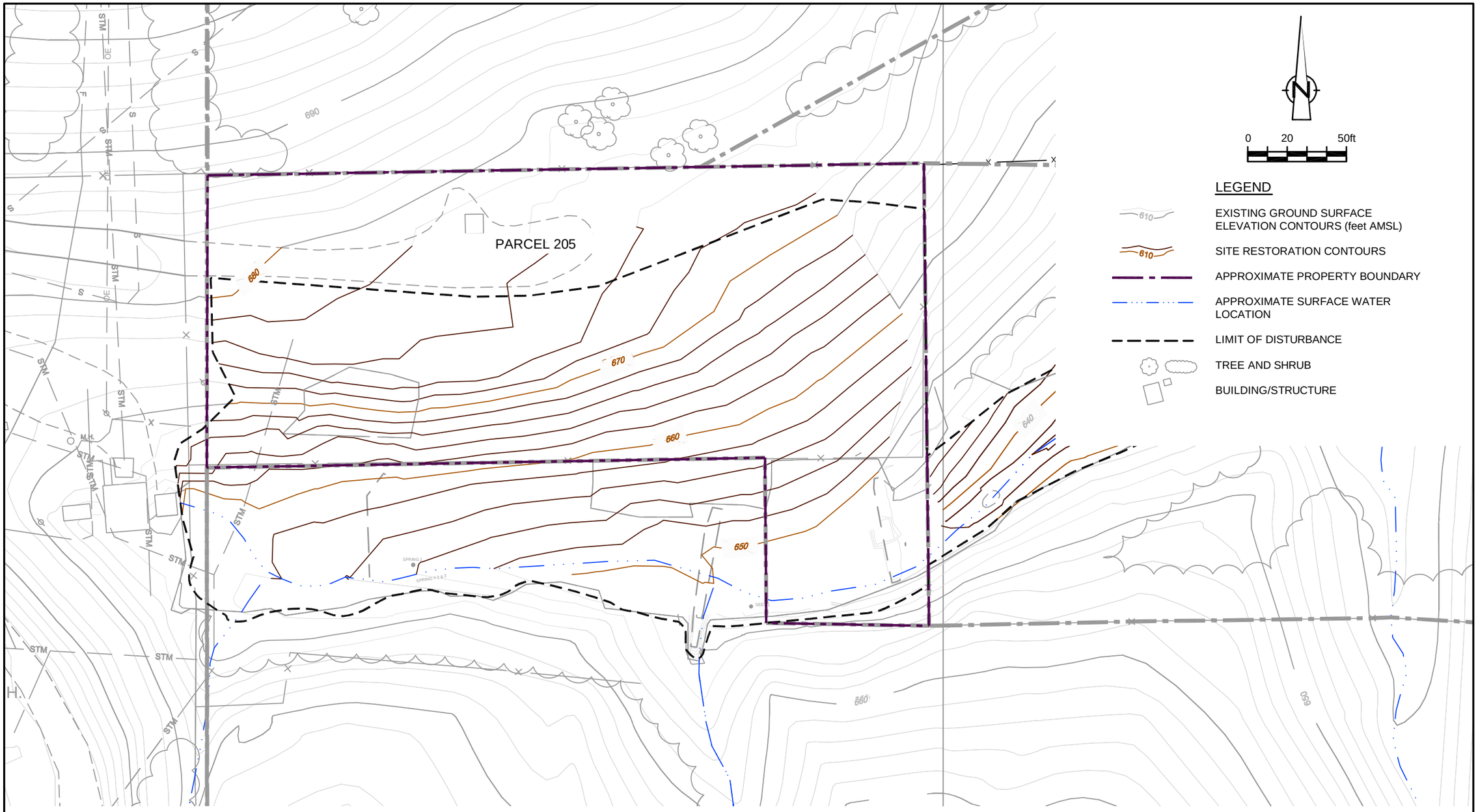
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.9

PARCEL 12 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA109 FEB 15/2007



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

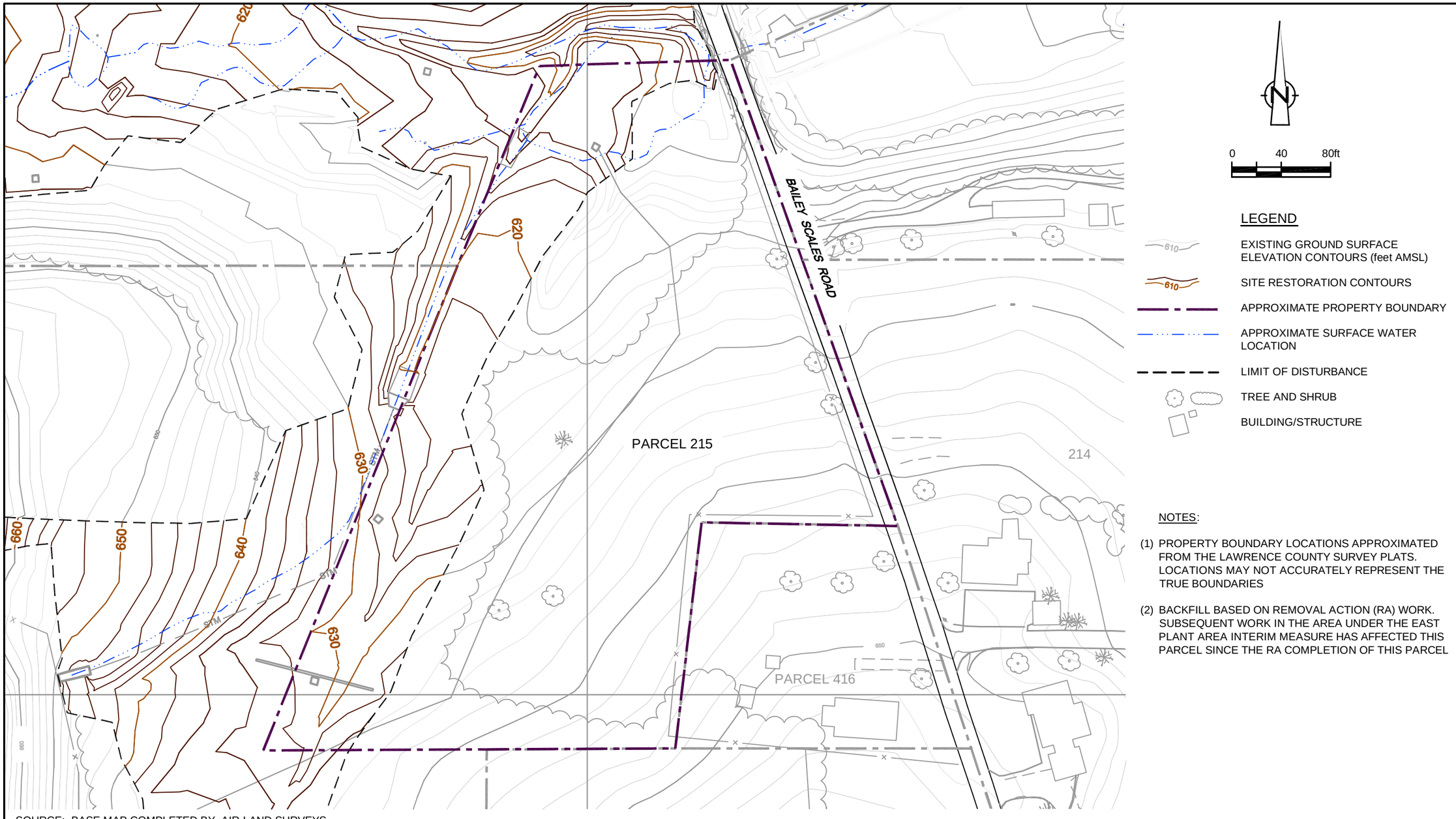
NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 4.4.10

PARCEL 205 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA082 FEB 15/2007



NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

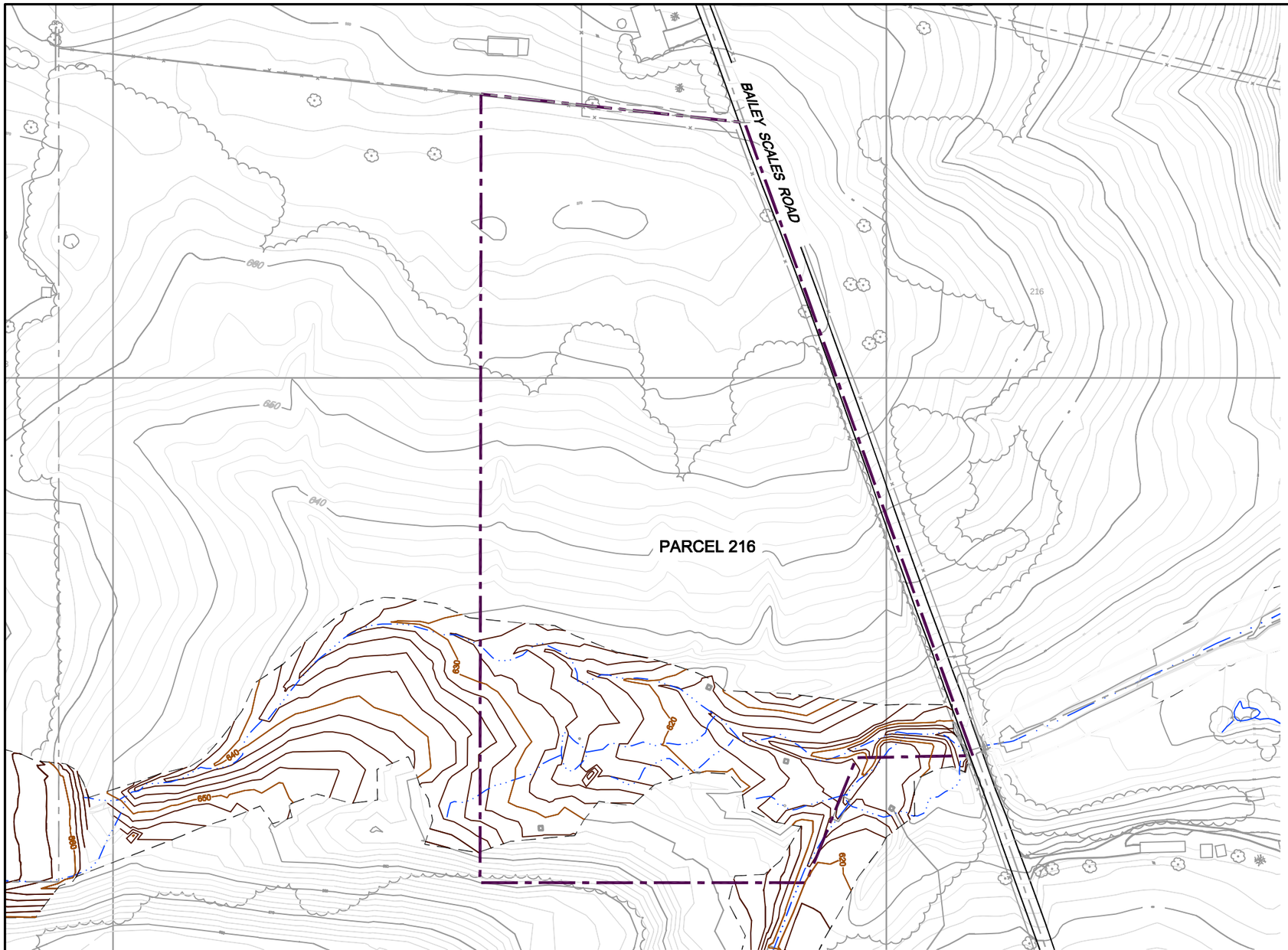
(2) BACKFILL BASED ON REMOVAL ACTION (RA) WORK. SUBSEQUENT WORK IN THE AREA UNDER THE EAST PLANT AREA INTERIM MEASURE HAS AFFECTED THIS PARCEL SINCE THE RA COMPLETION OF THIS PARCEL

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

figure 4.4.11

PARCEL 215 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA087 FEB 15/2007



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

0 75 150ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- TREE AND SHRUB
- BUILDING/STRUCTURE

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

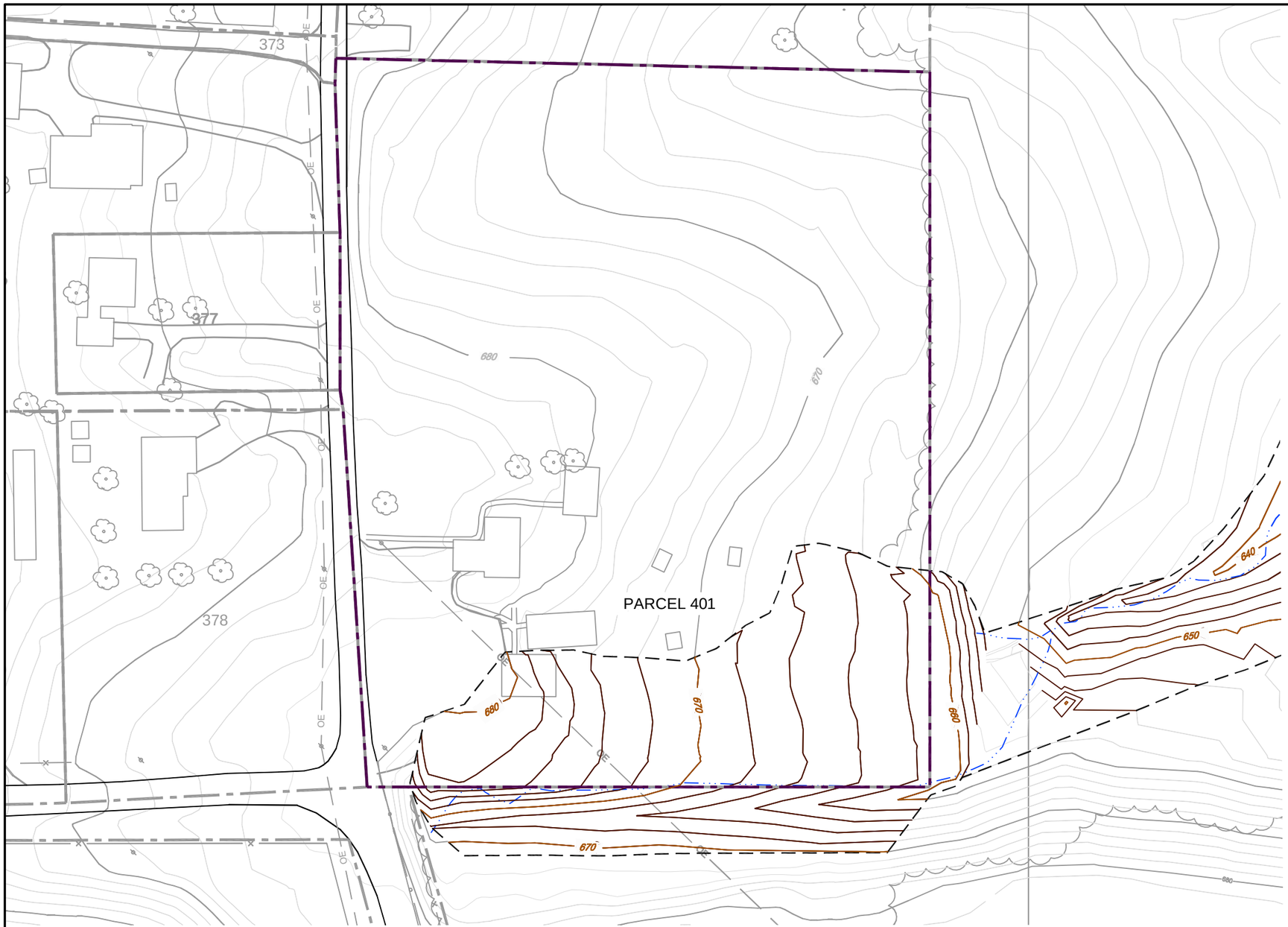
(2) PARCEL 216 EAST OF BAILEY SCALES ROAD WAS PART OF THE DOWNSTREAM PARCELS REMOVAL ACTION WORK PLAN AND THE PORTION OF THE PARCEL EAST OF BAILEY SCALES ROAD WILL BE DISCUSSED IN THE FINAL CONSTRUCTION CERTIFICATION REPORT FOR THE DOWNSTREAM PARCELS WORK PLAN

(3) BACKFILL BASED ON REMOVAL ACTION (RA) WORK. SUBSEQUENT WORK IN THE AREA UNDER THE EAST PLANT AREA INTERIM MEASURE HAS AFFECTED THIS PARCEL SINCE THE RA COMPLETION OF THIS PARCEL

figure 4.4.12

PARCEL 216 (WEST OF BAILEY SCALES ROAD) COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA088 FEB 15/2007



0 40 80ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- TREE AND SHRUB
- BUILDING/STRUCTURE

NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

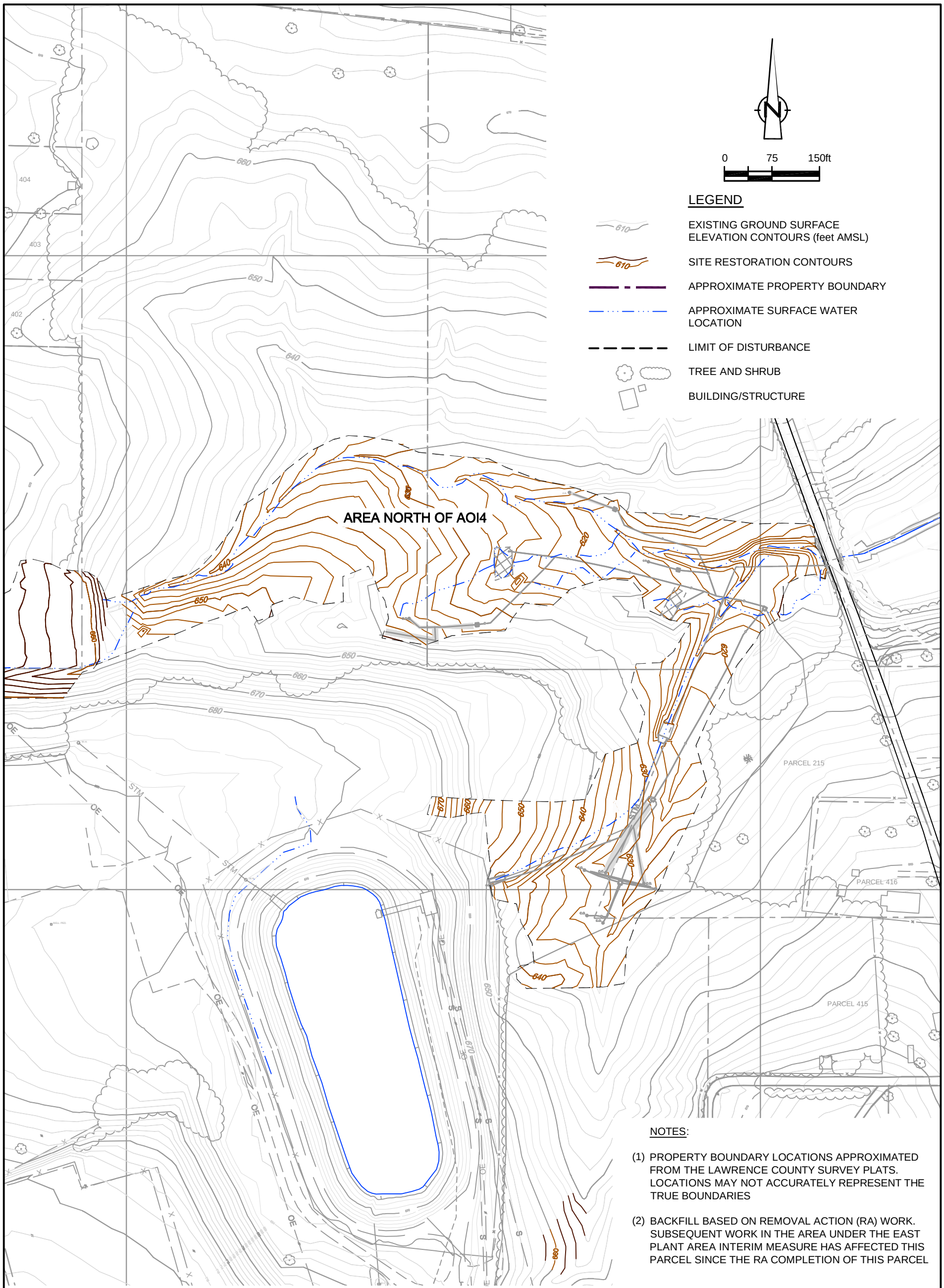
(2) BACKFILL BASED ON REMOVAL ACTION (RA) WORK. SUBSEQUENT WORK IN THE AREA UNDER THE EAST PLANT AREA INTERIM MEASURE HAS AFFECTED THIS PARCEL SINCE THE RA COMPLETION OF THIS PARCEL

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

figure 4.4.13

PARCEL 401 COMPLETED BACKFILL
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA085 FEB 15/2007



NOTES:

(1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

(2) BACKFILL BASED ON REMOVAL ACTION (RA) WORK. SUBSEQUENT WORK IN THE AREA UNDER THE EAST PLANT AREA INTERIM MEASURE HAS AFFECTED THIS PARCEL SINCE THE RA COMPLETION OF THIS PARCEL

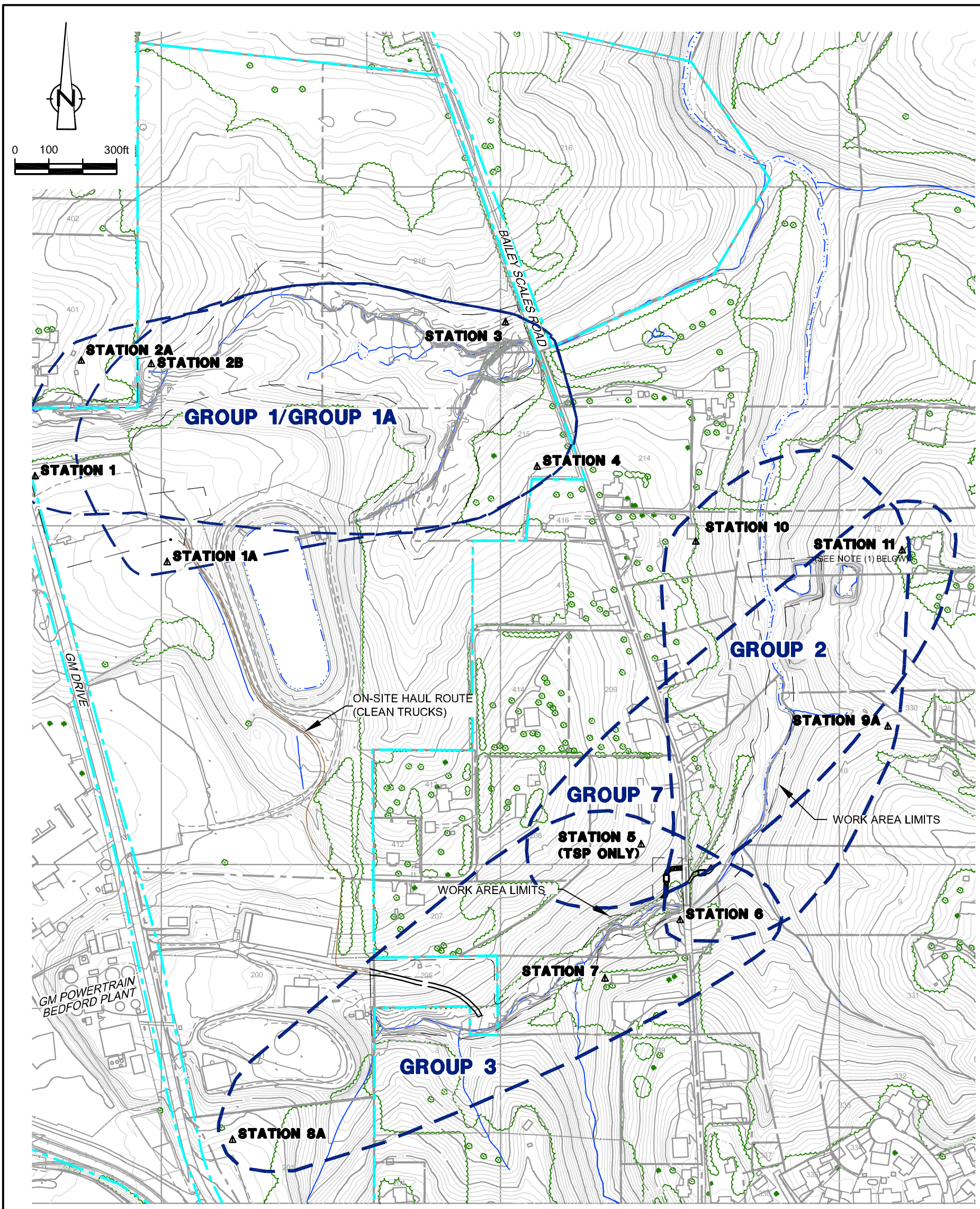
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001, AND CRA SURVEYS 2002 TO 2005

figure 4.4.14

AREA NORTH OF AOI4 COMPLETED BACKFILL UPSTREAM PARCELS REMOVAL ACTION GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA074 FEB 15/2007



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
- APPROXIMATE GM PROPERTY BOUNDARY
- WORK AREA LIMITS
- STATION 3 — AIR SAMPLING LOCATION
- AIR SAMPLING GROUP

NOTES:

(1) TSP FOR GROUP 7. PCB and TSP FOR GROUP 4.

(2) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES.

figure 4.5

UPSTREAM PARCELS AIR SAMPLING LOCATIONS
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY

Bedford, Indiana

13968-00(117)GN-WA080 FEB 15/2007

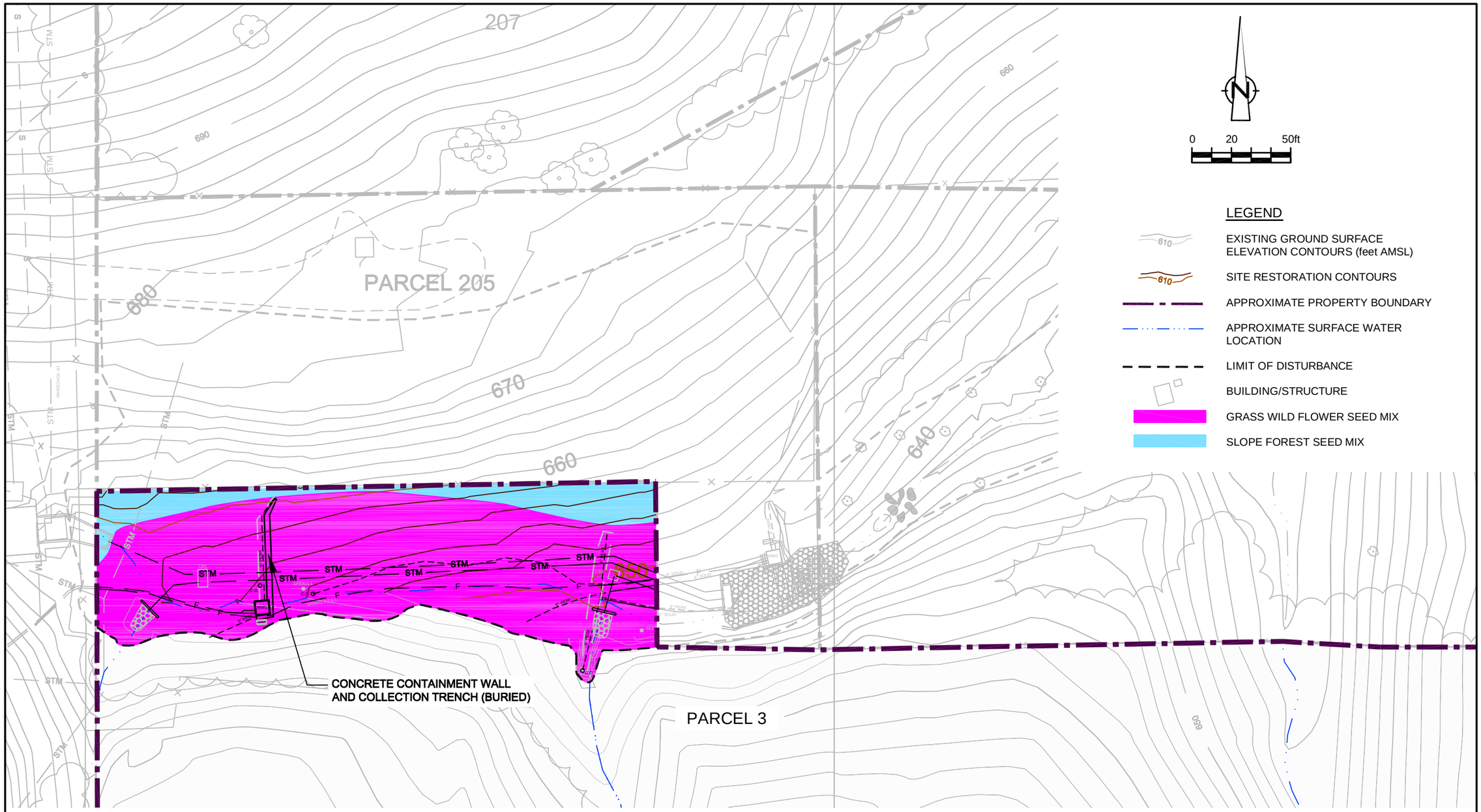
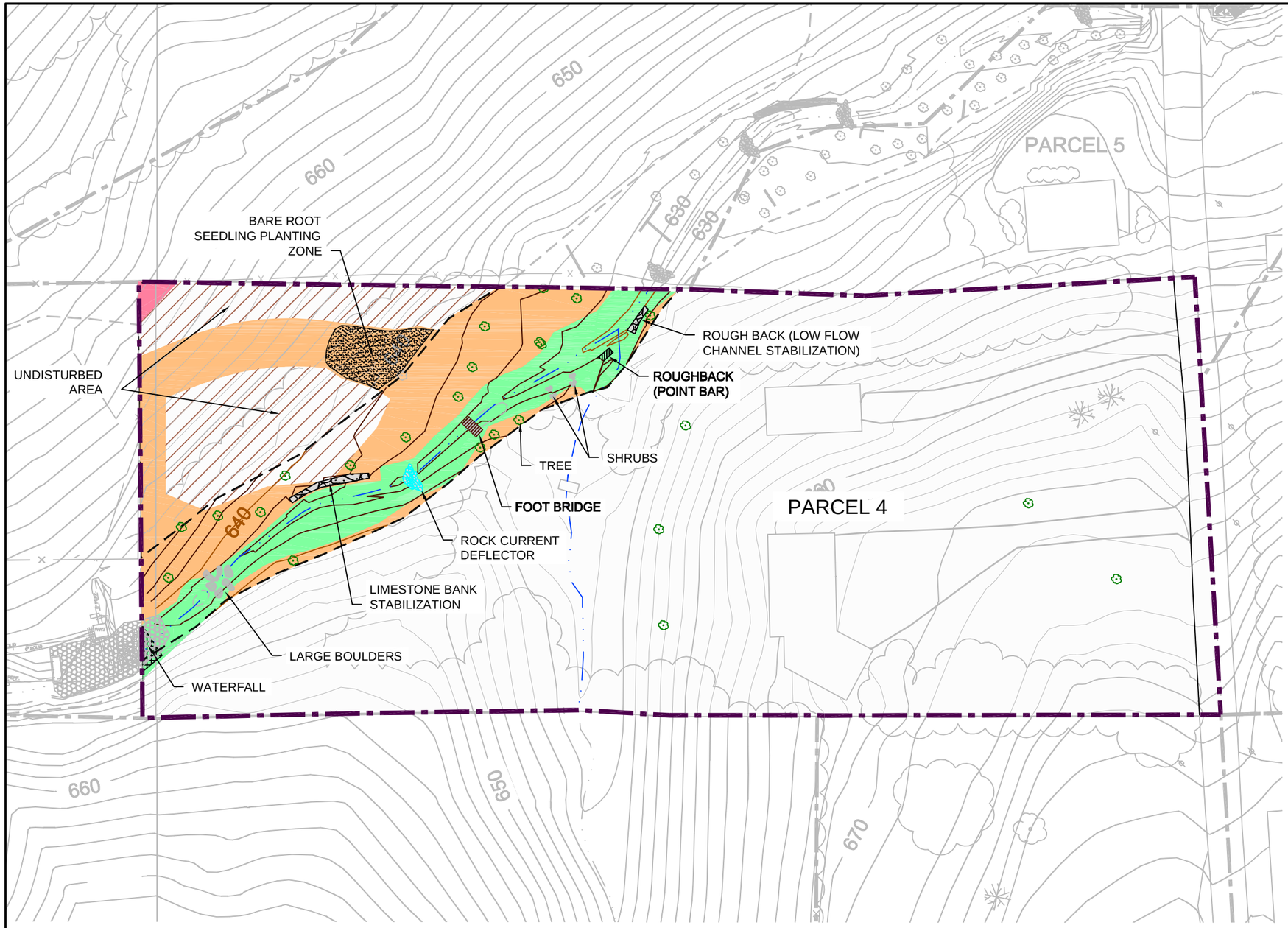


figure 5.1.1

SITE RESTORATION - PARCEL 3
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA081 FEB 15/2007



0 20 60ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- LIMESTONE BANK STABILIZATION
- ROUGHBACK (POINT BAR)
- ROCK CURRENT DEFLECTOR
- LARGE BOULDERS
- ROOTWAD FEATURE
- FOOTBRIDGE
- TREE AND SHRUB
- LOG HABITAT FEATURE
- VERNAL POND
- BUILDING/STRUCTURE
- LAWN SEED MIX
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX
- UNDISTURBED AREA
- BARE ROOT SEEDLING

figure 5.1.2

SITE RESTORATION - PARCEL 4
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA032 FEB 16/2007

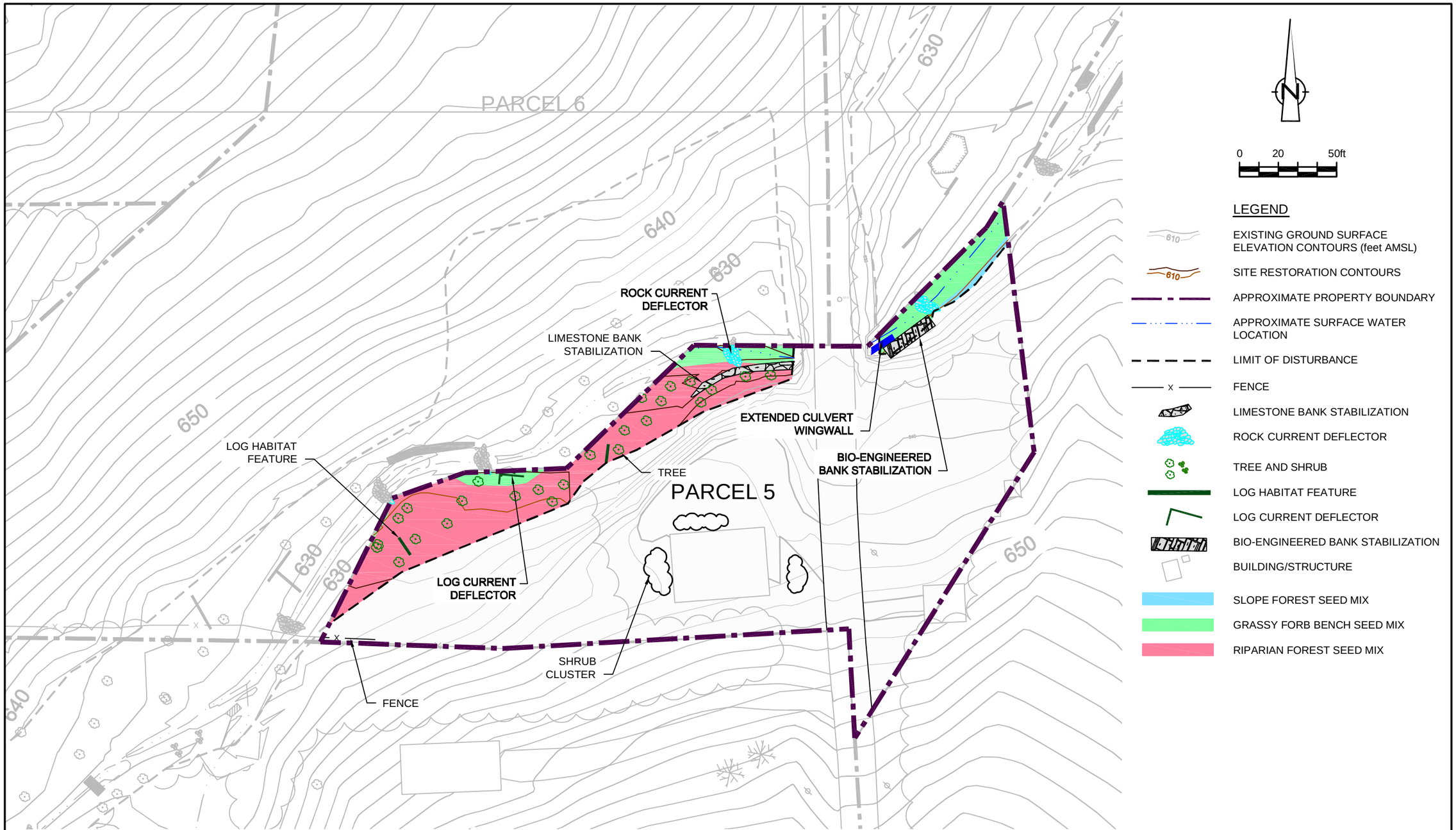


figure 5.1.3

SITE RESTORATION - PARCEL 5
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA034 FEB 15/2007

0 40 80ft

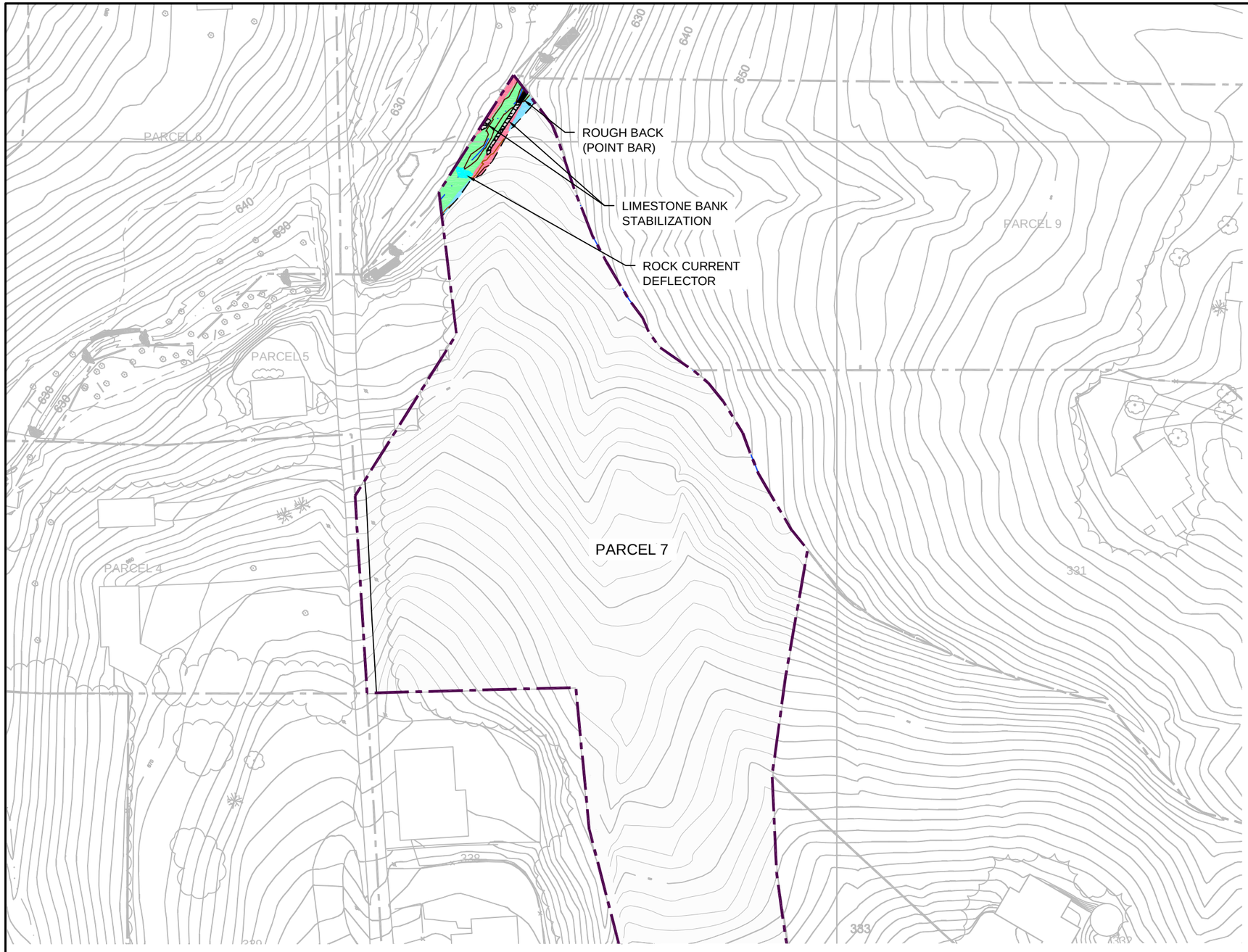
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- FENCE
- LIMESTONE BANK STABILIZATION
- ROCK CURRENT DEFLECTOR
- TREE AND SHRUB
- LOG HABITAT FEATURE
- FRENCH DRAIN
- BUILDING/STRUCTURE
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX
- UNDISTURBED AREA

figure 5.1.4

SITE RESTORATION - PARCEL 6
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA033 FEB 15/2007



N

0 50 100ft

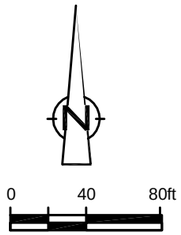
LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- LIMESTONE BANK STABILIZATION
- ROUGHBACK (POINT BAR)
- ROCK CURRENT DEFLECTOR
- BUILDING/STRUCTURE
- SLOPE FOREST SEED MIX
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX

figure 5.1.5

SITE RESTORATION - PARCEL 7
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA075 FEB 15/2007



LEGEND

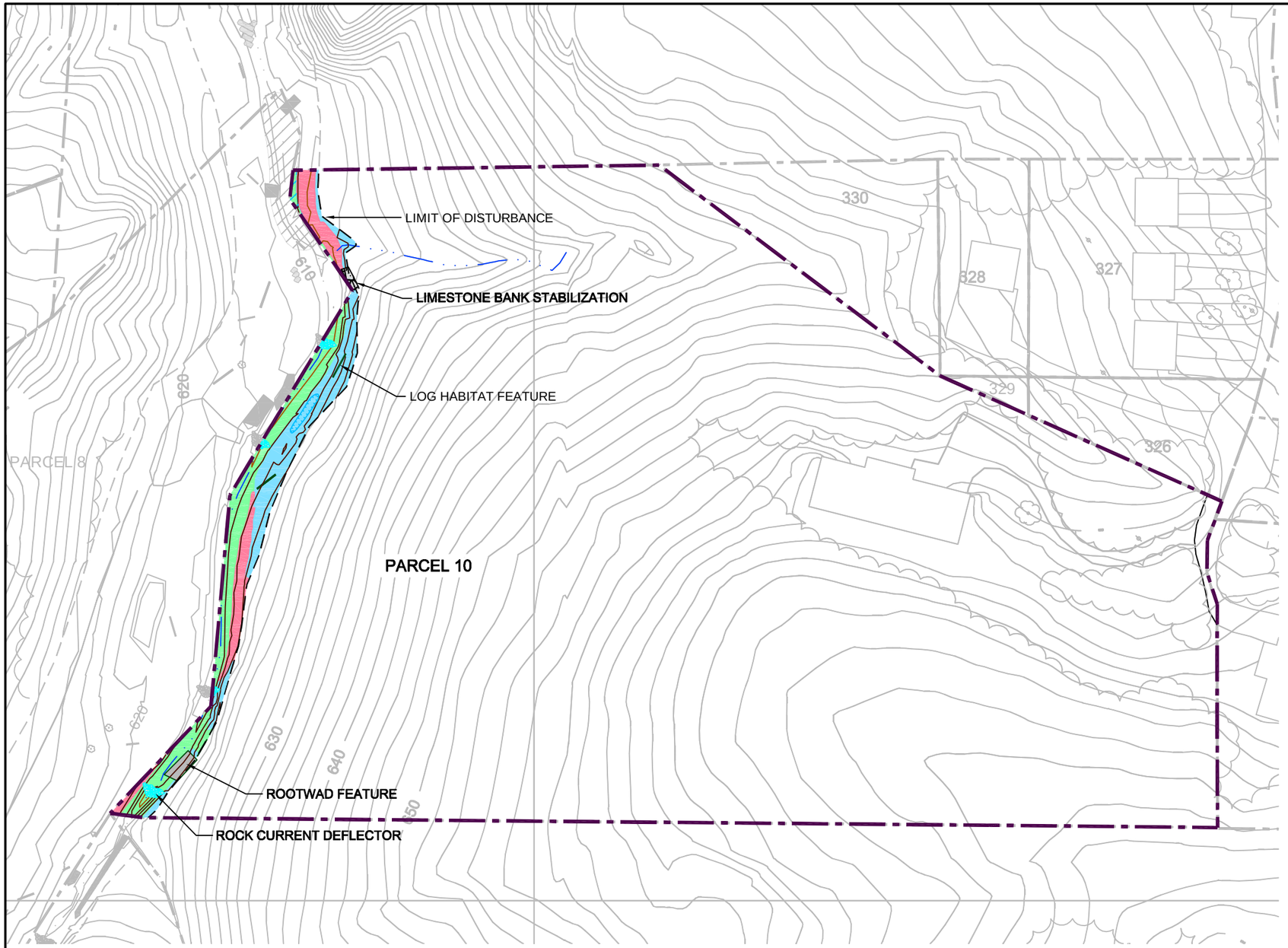
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- BANK STABILIZATION
- ROCK CURRENT DEFLECTOR
- LARGE BOULDERS
- ROOTWAD FEATURE
- HABITAT POOL
- LOG HABITAT FEATURE
- VERNAL POND
- BUILDING/STRUCTURE
- SLOPE FOREST SEED MIX
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX
- UNDISTURBED AREA

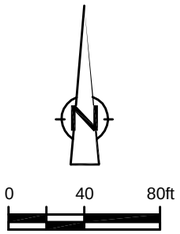
NOTE: BARE ROOT SEEDLINGS AND SHRUBS WERE PLANTED WITHIN THE LIMIT OF DISTURBANCE ON PARCELS 8, 10, 11 AND 12

figure 5.1.6

SITE RESTORATION - PARCEL 8
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA076 FEB 15/2007





LEGEND

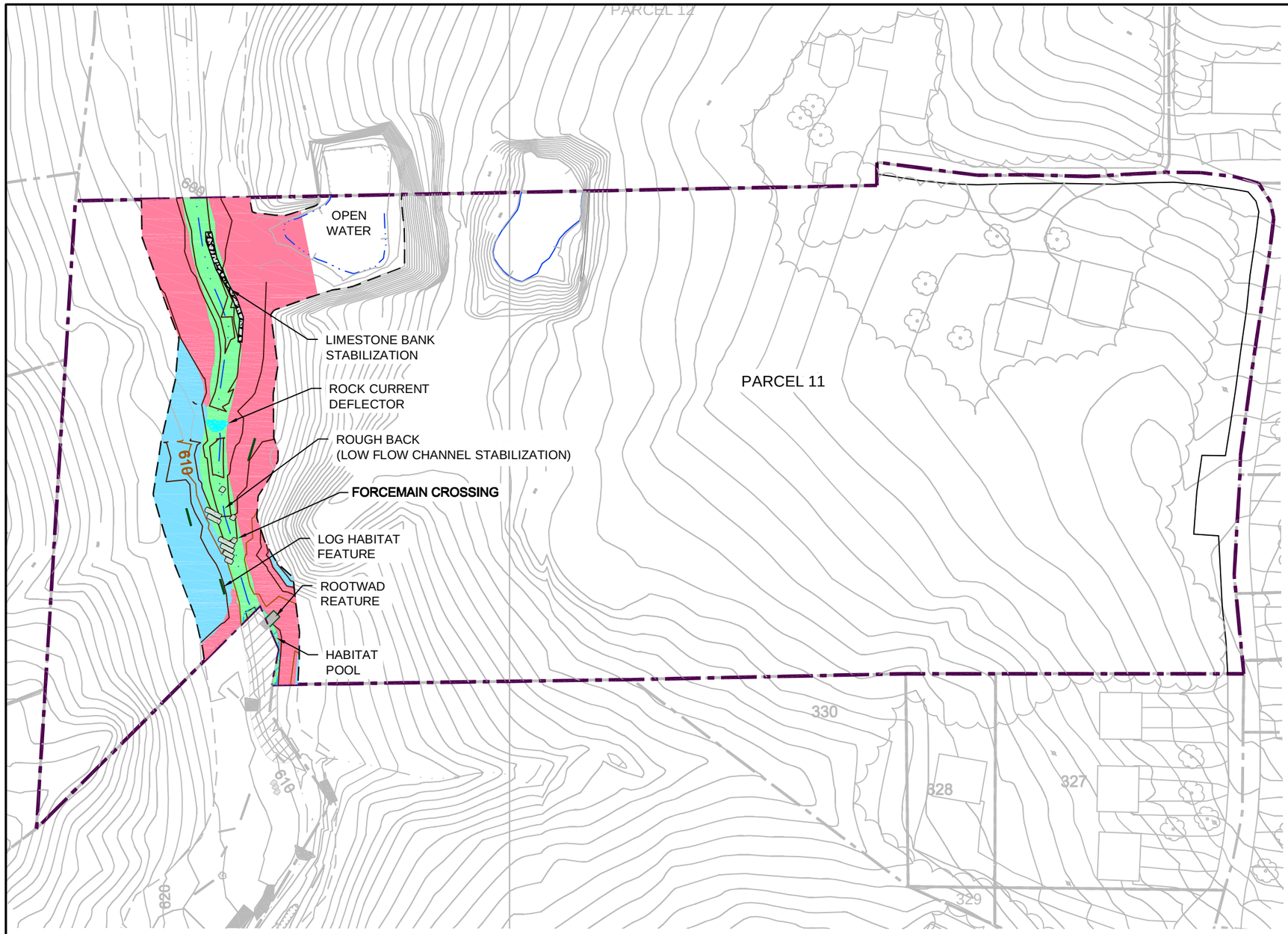
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- LIMESTONE BANK STABILIZATION
- ROCK CURRENT DEFLECTOR
- ROOTWAD FEATURE
- LOG HABITAT FEATURE
- VERNAL POND
- BUILDING/STRUCTURE
- SLOPE FOREST SEED MIX
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX

NOTE: BARE ROOT SEEDLINGS AND SHRUBS WERE PLANTED WITHIN THE LIMIT OF DISTURBANCE ON PARCELS 8, 10, 11 AND 12

figure 5.1.7

SITE RESTORATION - PARCEL 10
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA077 FEB 15/2007



N

0 40 80ft

LEGEND

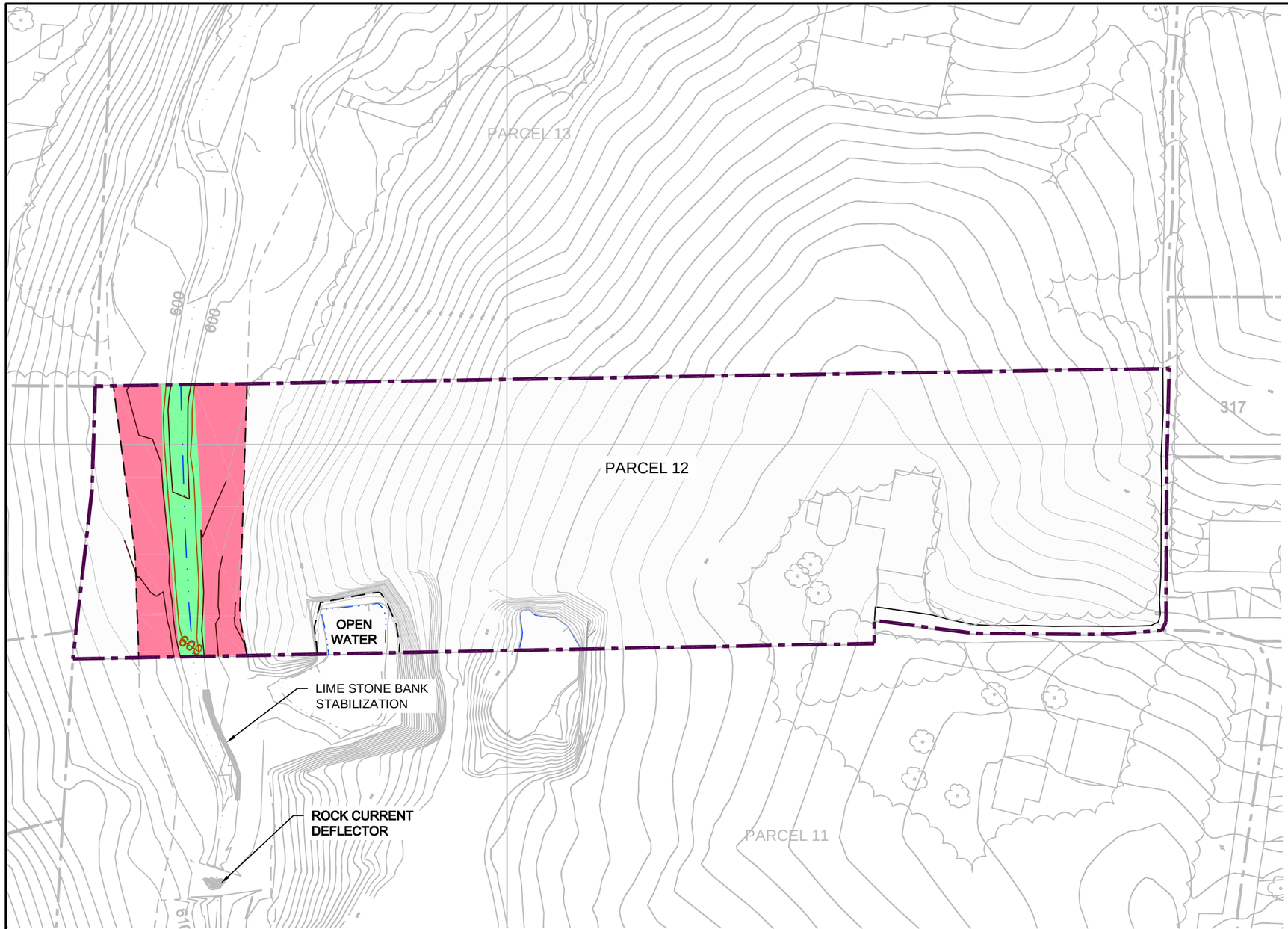
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- HABITAT POOL
- LIMESTONE BANK STABILIZATION
- ROUGHBACK (LOW FLOW CHANNEL STABILIZATION)
- ROCK CURRENT DEFLECTOR
- ROOTWAD FEATURE
- FORCEMAIN CROSSING
- LOG HABITAT FEATURE
- BUILDING/STRUCTURE
- SLOPE FOREST SEED MIX
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX

NOTE: BARE ROOT SEEDLINGS AND SHRUBS WERE PLANTED WITHIN THE LIMIT OF DISTURBANCE ON PARCELS 8, 10, 11 AND 12

figure 5.1.8

SITE RESTORATION - PARCEL 11
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA078 FEB 15/2007



N

0 40 80ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- BUILDING/STRUCTURE
- GRASSY FORB BENCH SEED MIX
- RIPARIAN FOREST SEED MIX

NOTE: BARE ROOT SEEDLINGS AND SHRUBS WERE PLANTED WITHIN THE LIMIT OF DISTURBANCE ON PARCELS 8, 10, 11 AND 12

figure 5.1.9

SITE RESTORATION - PARCEL 12
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

GRA

13968-00(117)GN-WA110 FEB 15/2007

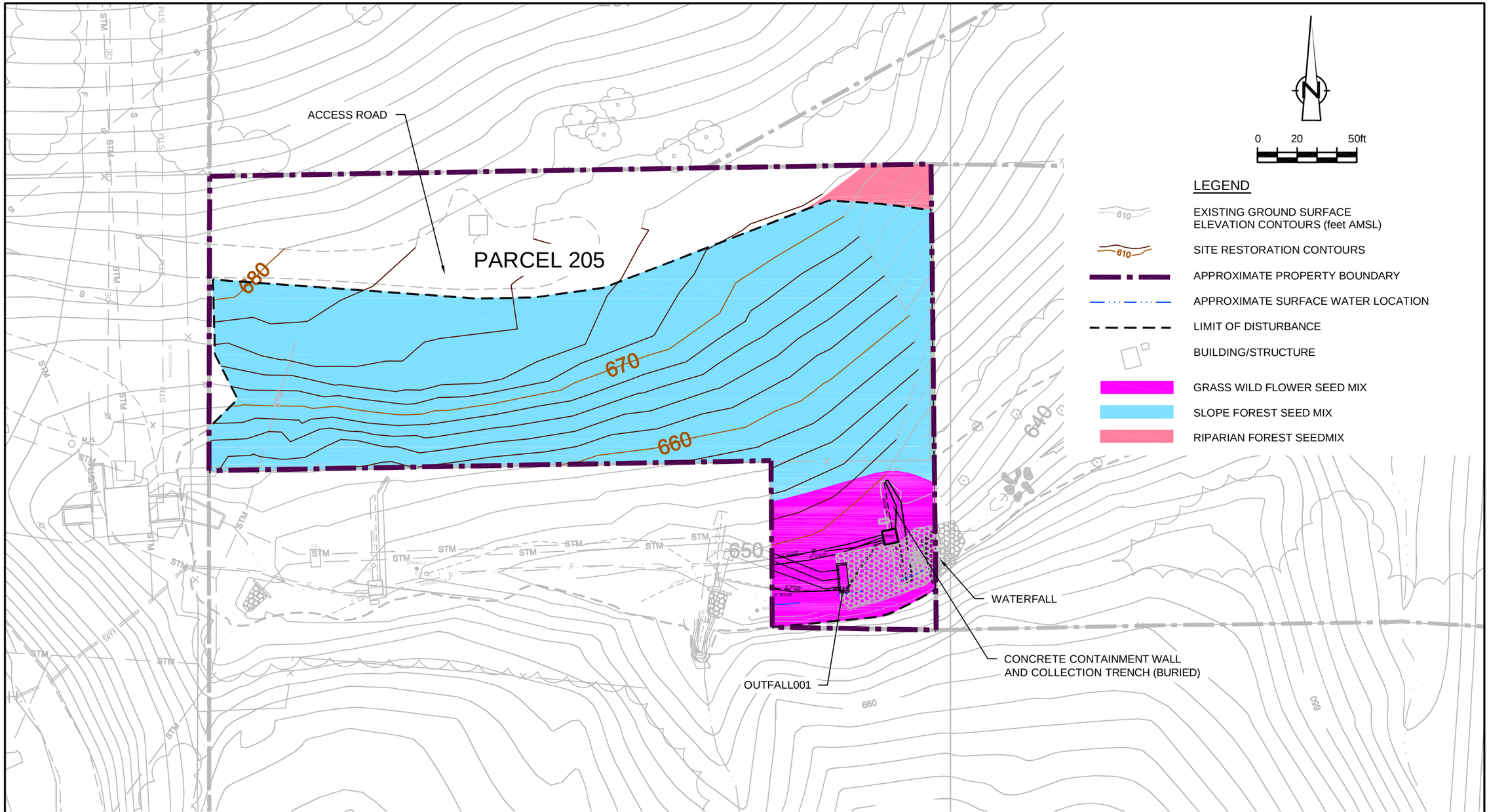
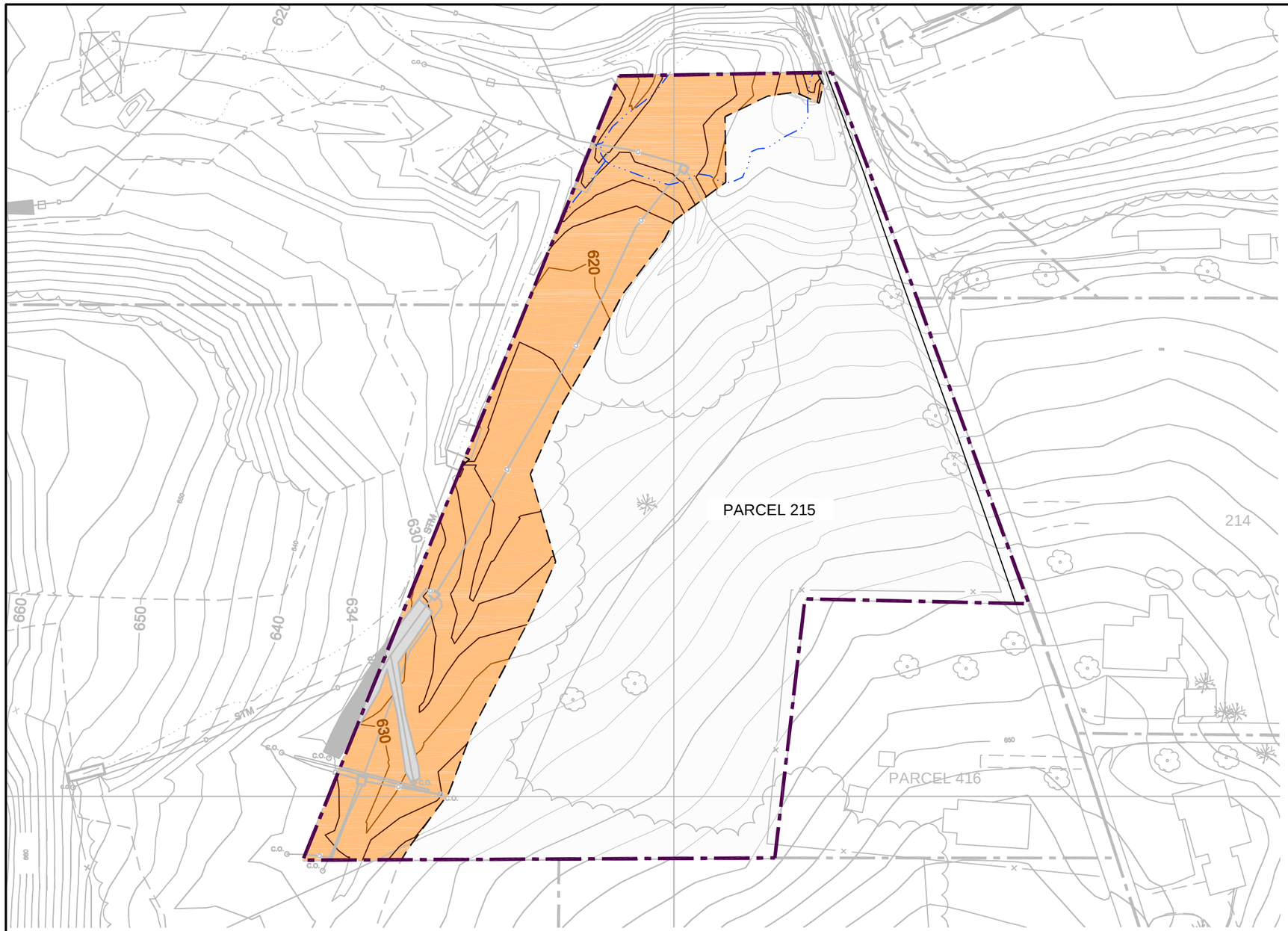
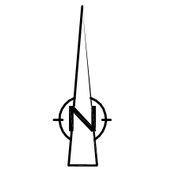


figure 5.1.10

SITE RESTORATION - PARCEL 205
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana





LEGEND

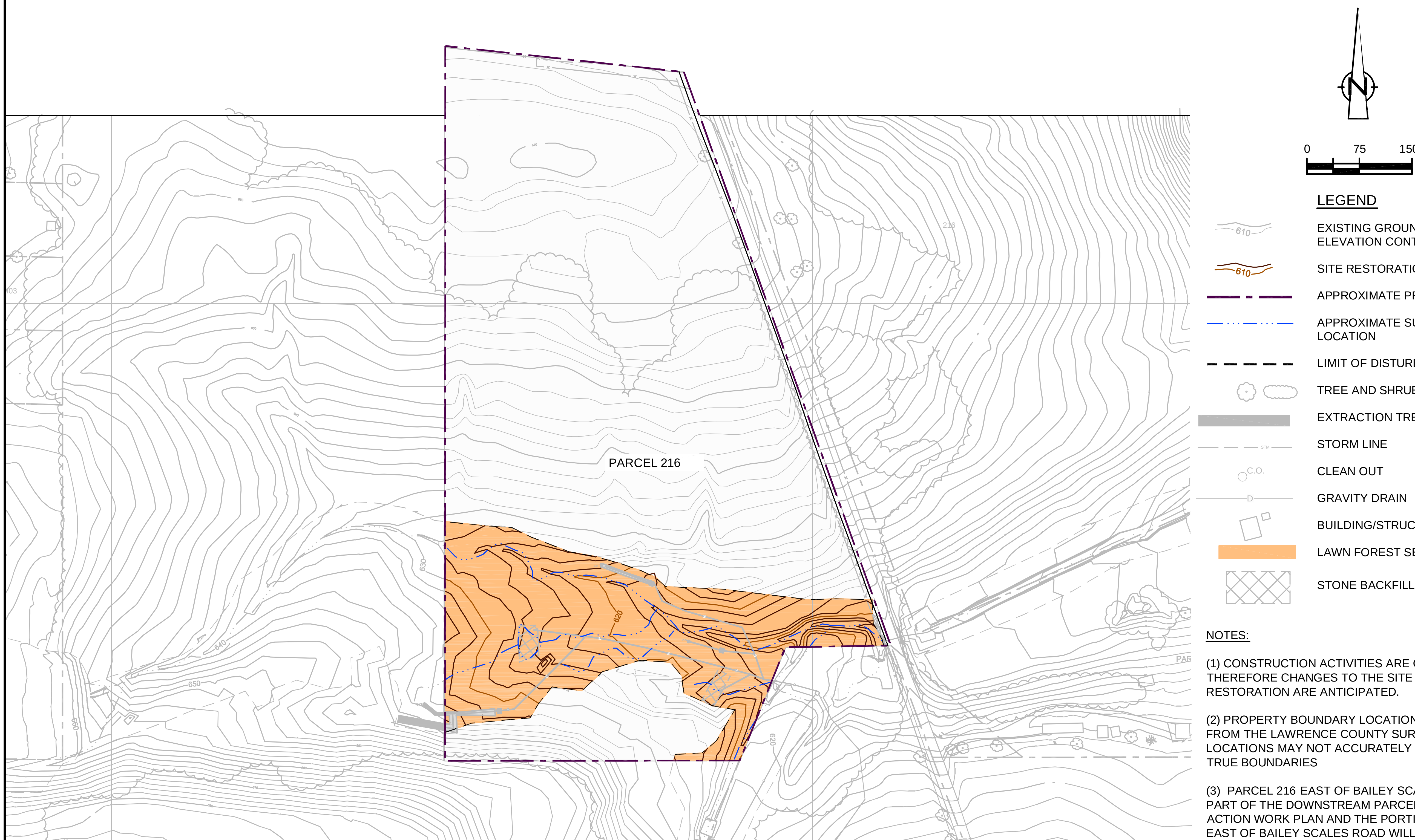
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- TREE AND SHRUB
- EXTRACTION TRENCH
- STORM LINE
- CLEAN OUT
- GRAVITY DRAIN
- BUILDING/STRUCTURE
- LAWN FOREST SEED MIX
- STONE BACKFILL

NOTE: CONSTRUCTION ACTIVITIES ARE ON-GOING. THEREFORE CHANGES TO THE SITE GRADING AND RESTORATION ARE ANTICIPATED.

figure 5.1.11

SITE RESTORATION - PARCEL 215
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

13968-00(117)GN-WA086 FEB 15/2007



LEGEND

EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)

SITE RESTORATION CONTOURS

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE SURFACE WATER LOCATION

LIMIT OF DISTURBANCE

TREE AND SHRUB

EXTRACTION TRENCH

STORM LINE

CLEAN OUT

GRAVITY DRAIN

BUILDING/STRUCTURE

LAWN FOREST SEED MIX

STONE BACKFILL

NOTES:

(1) CONSTRUCTION ACTIVITIES ARE ON-GOING. THEREFORE CHANGES TO THE SITE GRADING AND RESTORATION ARE ANTICIPATED.

(2) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

(3) PARCEL 216 EAST OF BAILEY SCALES ROAD WAS PART OF THE DOWNSTREAM PARCELS REMOVAL ACTION WORK PLAN AND THE PORTION OF THE PARCEL EAST OF BAILEY SCALES ROAD WILL BE DISCUSSED IN THE FINAL CONSTRUCTION CERTIFICATION REPORT FOR THE DOWNSTREAM PARCELS WORK PLAN

figure 5.1.12

SITE RESTORATION - PARCEL 216 (WEST OF BAILEY SCALES ROAD)
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

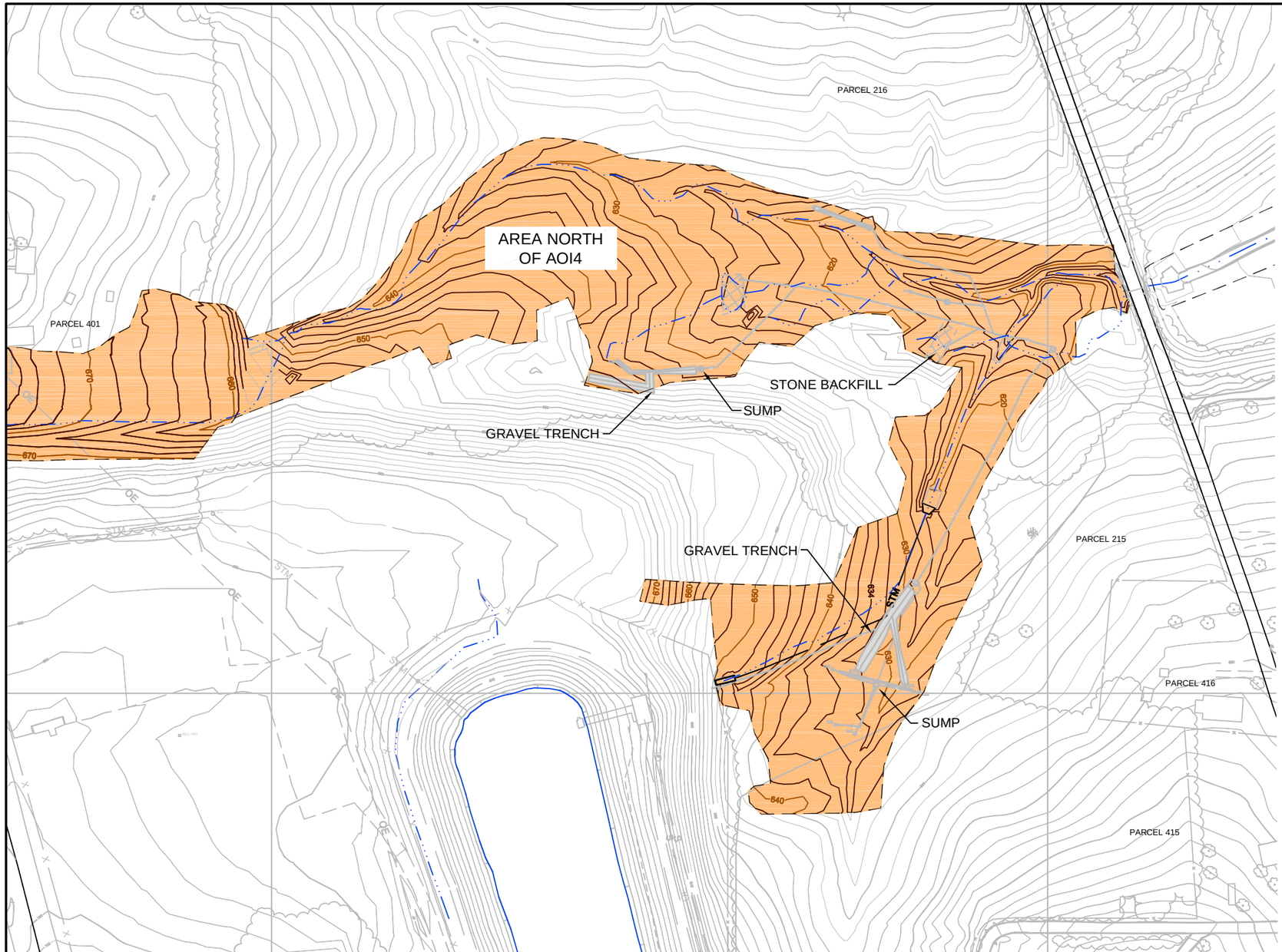
13968-00(117)GN-WA089 FEB 15/2007

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- TREE AND SHRUB
- BUILDING/STRUCTURE
- LAWN FOREST SEED MIX

figure 5.1.13

SITE RESTORATION - PARCEL 401
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- SITE RESTORATION CONTOURS
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- LIMIT OF DISTURBANCE
- TREE AND SHRUB
- EXTRACTION TRENCH
- STORM LINE
- CLEAN OUT
- GRAVITY DRAIN
- BUILDING/STRUCTURE
- LAWN FOREST SEED MIX
- STONE BACKFILL

NOTE: CONSTRUCTION ACTIVITIES ARE ON-GOING. THEREFORE CHANGES TO THE SITE GRADING AND RESTORATION ARE ANTICIPATED.

figure 5.1.14

SITE RESTORATION - AREA NORTH OF AOI4
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1090*	*1091*	*1091*	*1092*	*1093*	*1094*	*1095*
Sample ID:		*S-00-022502-CH-1090*	*S-00-022502-GS-1091A*	*S-00-022502-GS-1091*	*S-00-022502-GS-1092*	*S-00-022502-CH-1093*	*S-00-022502-GS-1094*	*S-00-022502-CH-1095*
Sample Date:		*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
			Duplicate					
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (89)	ND (240)	ND (240)	ND (230)	ND (45)	ND (44)	ND (230)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (89)	ND (240)	ND (240)	ND (230)	ND (45)	ND (44)	ND (230)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (89)	ND (240)	ND (240)	ND (230)	ND (45)	ND (44)	ND (230)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (89)	ND (240)	ND (240)	ND (230)	ND (45)	ND (44)	ND (230)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (89)	2400	ND (240)	1900	450	16 J	960
Aroclor-1254 (PCB-1254)	µg/Kg	820	ND (240)	2100	ND (230)	ND (45)	ND (44)	ND (230)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (89)	410	ND (240)	230	96	ND (44)	99 J
Sum of Detected PCBs (ND=0)	µg/Kg	820	2810	2100	2130	546	16 J	1059 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1096*	*1097*	*1098*	*1099*	*1100*	*1101*	*124*
Sample ID:		*S-00-022502-GS-1096*	*S-00-022502-CH-1097*	*S-00-022502-GS-1098*	*S-00-022502-CH-1099*	*S-00-022502-CH-1100*	*S-00-022502-GS-1101*	*S-04-011502-LM-124*
Sample Date:		*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (86)	ND (47)	ND (44)	ND (48000)	ND (45)	ND (48)	ND (240)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (86)	ND (47)	ND (44)	ND (48000)	ND (45)	ND (48)	ND (240)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (86)	ND (47)	ND (44)	ND (48000)	ND (45)	ND (48)	ND (240)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (86)	ND (47)	ND (44)	ND (48000)	ND (45)	ND (48)	ND (240)
Aroclor-1248 (PCB-1248)	µg/Kg	940	ND (47)	290	180000	100	51	1400
Aroclor-1254 (PCB-1254)	µg/Kg	ND (86)	89	ND (44)	ND (48000)	ND (45)	ND (48)	ND (240)
Aroclor-1260 (PCB-1260)	µg/Kg	190	ND (47)	36 J	ND (48000)	ND (45)	ND (48)	150
Sum of Detected PCBs (ND=0)	µg/Kg	1130	89	326 J	180000	100	51	1550

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***125***	***126***	***128***	***129***	***130***	***131***	***132***
Sample ID:		***S-04-011502-LM-125***	***S-04-011502-LM-126***	***S-04-011502-LM-128***	***S-04-011502-LM-129***	***S-04-011502-LM-130***	***S-04-011502-LM-131***	***S-04-011502-LM-132***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0.33-0.66)***
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (930)	ND (24000)	ND (44)	ND (220000)	ND (26000)	ND (230)	ND (43)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (930)	ND (24000)	ND (44)	ND (220000)	ND (26000)	ND (230)	ND (43)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (930)	ND (24000)	ND (44)	ND (220000)	ND (26000)	ND (230)	ND (43)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (930)	ND (24000)	ND (44)	ND (220000)	ND (26000)	ND (230)	ND (43)
Aroclor-1248 (PCB-1248)	µg/Kg	15000	290000	300	1900000	250000	1200	8.8 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (930)	ND (24000)	ND (44)	ND (220000)	ND (26000)	ND (230)	ND (43)
Aroclor-1260 (PCB-1260)	µg/Kg	1100	13000	29 J	85000 J	13000 J	110 J	ND (43)
Sum of Detected PCBs (ND=0)	µg/Kg	16100	303000	329 J	1985000 J	263000 J	1310 J	8.8 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*132*	*133*	*133*	*134*	*134*	*135*	*135*
Sample ID:		*S-04-011502-LM-132A*	*S-04-011502-LM-133A*	*S-04-011502-LM-133*	*S-04-011502-LM-134*	*S-04-011502-LM-134A*	*S-04-011502-LM-135*	*S-04-011502-LM-135A*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0.33-0.54)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (110)	ND (2500)	ND (40000)	ND (45)	ND (230)	ND (45)	ND (90)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (110)	ND (2500)	ND (40000)	ND (45)	ND (230)	ND (45)	ND (90)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (110)	ND (2500)	ND (40000)	ND (45)	ND (230)	ND (45)	ND (90)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (110)	ND (2500)	ND (40000)	ND (45)	ND (230)	ND (45)	ND (90)
Aroclor-1248 (PCB-1248)	µg/Kg	1300	41000	540000	160	1500	40 J	920
Aroclor-1254 (PCB-1254)	µg/Kg	ND (110)	ND (2500)	ND (40000)	ND (45)	ND (230)	ND (45)	ND (90)
Aroclor-1260 (PCB-1260)	µg/Kg	130	2200 J	17000 J	22 J	ND (230)	ND (45)	130
Sum of Detected PCBs (ND=0)	µg/Kg	1430	43200 J	557000 J	182 J	1500	40 J	1050

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***136***	***136***	***137***	***138***	***139***	***140***	***141***
Sample ID:		***S-04-011502-LM-136A***	***S-04-011502-LM-136***	***S-04-011502-LM-137***	***S-04-011502-LM-138***	***S-04-011502-LM-139***	***S-04-011502-LM-140***	***S-04-011502-LM-141***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
		Duplicate						
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (250)	ND (100)	ND (460)	ND (91)	ND (45)	ND (49)	ND (460)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (250)	ND (100)	ND (460)	ND (91)	ND (45)	ND (49)	ND (460)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (250)	ND (100)	ND (460)	ND (91)	ND (45)	ND (49)	ND (460)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (250)	ND (100)	ND (460)	ND (91)	ND (45)	ND (49)	ND (460)
Aroclor-1248 (PCB-1248)	µg/Kg	1200	720	3200	700	410	640	3800
Aroclor-1254 (PCB-1254)	µg/Kg	ND (250)	ND (100)	ND (460)	ND (91)	ND (45)	ND (49)	ND (460)
Aroclor-1260 (PCB-1260)	µg/Kg	150 J	94 J	390 J	88 J	65	110	ND (460)
Sum of Detected PCBs (ND=0)	µg/Kg	1350 J	814 J	3590 J	788 J	475	750	3800

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***142***	***143***	***144***	***145***	***146***	***147***	***148***
Sample ID:		***S-04-011502-LM-142***	***S-04-011502-LM-143***	***S-04-011502-LM-144***	***S-04-011502-LM-145***	***S-04-011502-LM-146***	***S-04-011502-LM-147***	***S-04-011502-LM-148A***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
								Duplicate
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (910)	ND (46)	ND (51)	ND (110)	ND (3500)	ND (430)	ND (8300)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (910)	ND (46)	ND (51)	ND (110)	ND (3500)	ND (430)	ND (8300)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (910)	ND (46)	ND (51)	ND (110)	ND (3500)	ND (430)	ND (8300)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (910)	ND (46)	ND (51)	ND (110)	ND (3500)	ND (430)	ND (8300)
Aroclor-1248 (PCB-1248)	µg/Kg	11000	560	120	1400	21000	5200	150000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (910)	ND (46)	ND (51)	ND (110)	ND (3500)	ND (430)	ND (8300)
Aroclor-1260 (PCB-1260)	µg/Kg	1600	90	ND (51)	ND (110)	ND (3500)	ND (430)	7700 J
Sum of Detected PCBs (ND=0)	µg/Kg	12600	650	120	1400	21000	5200	157700 J

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*148*	*149*	*150*	*151*	*1580*	*1580*	*1581*
Sample ID:		*S-04-011502-LM-148*	*S-04-011502-LM-149*	*S-04-011502-LM-150*	*S-04-011502-LM-151*	*S-03-040302-GS-1580*	*S-03-040302-GS-1580A*	*S-03-040302-JW-1581*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
							Duplicate	
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4200)	ND (520)	ND (490)	ND (490)	ND (46)	ND (47)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4200)	ND (520)	ND (490)	ND (490)	ND (46)	ND (47)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4200)	ND (520)	ND (490)	ND (490)	ND (46)	ND (47)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4200)	ND (520)	ND (490)	ND (490)	ND (46)	ND (47)	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	69000	9900	4000	2500	ND (46)	ND (47)	ND (46)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4200)	ND (520)	ND (490)	ND (490)	ND (46)	ND (47)	ND (46)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (4200)	1200	ND (490)	1400	ND (46)	ND (47)	ND (46)
Sum of Detected PCBs (ND=0)	µg/Kg	69000	11100	4000	3900	ND	ND	ND

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***1582***	***1583***	***1584***	***1585***	***1586***	***1587***	***1588***
Sample ID:		***S-03-040302-GS-1582***	***S-03-040302-GS-1583***	***S-03-040302-GS-1584***	***S-03-040302-JW-1585***	***S-03-040302-GS-1586***	***S-03-040302-GS-1587***	***S-03-040302-GS-1588***
Sample Date:		***4/3/2002***	***4/3/2002***	***4/3/2002***	***4/3/2002***	***4/3/2002***	***4/3/2002***	***4/3/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (46)	ND (50)	ND (43)	15 J	ND (50)	ND (51)	8.9 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (46)	ND (50)	ND (43)	ND (52)	ND (50)	ND (51)	ND (49)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	15 J	ND	ND	8.9 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1589*	*1591*	*1591*	*1592*	*1593*	*1594*	*1635*
Sample ID:		*S-03-040302-GS-1589*	*S-03-040402-GS-1591*	*S-03-040402-GS-1591A*	*S-03-040402-GS-1592*	*S-03-040402-GS-1593*	*S-03-040402-GS-1594*	*S-00-040802-GS-1635A*
Sample Date:		*4/3/2002*	*4/4/2002*	*4/4/2002*	*4/4/2002*	*4/4/2002*	*4/4/2002*	*4/8/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
				Duplicate				*Duplicate*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	910
Aroclor-1260 (PCB-1260)	µg/Kg	ND (54)	ND (45)	ND (48)	ND (55)	ND (61)	ND (47)	ND (210)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	ND	ND	910

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1635*	*1636*	*1637*	*1638*	*1649*	*1649*
Sample ID:		*S-00-040802-GS-1635*	*S-00-040802-GS-1636*	*S-00-040802-GS-1637*	*S-00-040802-GS-1638*	*S-00-040902-JW-1649A*	*S-00-040902-JW-1649B*
Sample Date:		*4/8/2002*	*4/8/2002*	*4/8/2002*	*4/8/2002*	*4/9/2002*	*4/9/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-0.67)*
						Duplicate	
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	ND (990)	ND (910)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	ND (990)	ND (910)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	ND (990)	ND (910)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	ND (990)	ND (910)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	10000	10000
Aroclor-1254 (PCB-1254)	µg/Kg	900	120	ND (48)	ND (47)	ND (990)	ND (910)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (87)	ND (45)	ND (48)	ND (47)	850 J	850 J
Sum of Detected PCBs (ND=0)	µg/Kg	900	120	ND	ND	10850 J	10850 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1649*	*1649*	*1650*	*1650*	*1650*	*1651*
Sample ID:		*S-00-040902-JW-1649C*	*S-00-040902-JW-1649*	*S-00-040902-GS-1650A*	*S-00-040902-GS-1650B*	*S-00-040902-GS-1650*	*S-00-040902-JW-1651A*
Sample Date:		*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*
Sample Depth:		*(0.67-1)*	*(0-0.33)*	*(0.33-0.67)*	*(0.67-1)*	*(0-0.33)*	*(0.33-0.67)*
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (87)	ND (970)	ND (52)	ND (53)	ND (230)	ND (55000)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (87)	ND (970)	ND (52)	ND (53)	ND (230)	ND (55000)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (87)	ND (970)	ND (52)	ND (53)	ND (230)	ND (55000)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (87)	ND (970)	ND (52)	ND (53)	ND (230)	ND (55000)
Aroclor-1248 (PCB-1248)	µg/Kg	590	16000	150	180	710	860000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (87)	ND (970)	ND (52)	ND (53)	ND (230)	ND (55000)
Aroclor-1260 (PCB-1260)	µg/Kg	38 J	1500	22 J	25 J	100 J	ND (55000)
Sum of Detected PCBs (ND=0)	µg/Kg	628 J	17500	172 J	205 J	810 J	860000

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1651*	*1652*	*1652*	*1653*	*1653*	*1653*
Sample ID:		*S-00-040902-JW-1651*	*S-00-040902-GS-1652A*	*S-00-040902-GS-1652*	*S-00-040902-JW-1653A*	*S-00-040902-JW-1653B*	*S-00-040902-JW-1653C*
Sample Date:		*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*
Sample Depth:		*(0-0.33)*	*(0.33-0.67)*	*(0-0.33)*	*(0-0.33)*	*(0.33-0.67)*	*(0.67-1)*
					Duplicate		
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (990000)	ND (55000)	ND (990)	ND (230)	ND (530)	ND (210)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (990000)	ND (55000)	ND (990)	ND (230)	ND (530)	ND (210)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (990000)	ND (55000)	ND (990)	ND (230)	ND (530)	ND (210)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (990000)	330000	ND (990)	ND (230)	ND (530)	ND (210)
Aroclor-1248 (PCB-1248)	µg/Kg	9900000	ND (55000)	16000	1500	5900	820
Aroclor-1254 (PCB-1254)	µg/Kg	ND (990000)	ND (55000)	ND (990)	ND (230)	ND (530)	ND (210)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (990000)	ND (55000)	1200	200 J	300 J	ND (210)
Sum of Detected PCBs (ND=0)	µg/Kg	9900000	330000	17200	1700 J	6200 J	820

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1653*	*1653*	*1654*	*1654*	*1755*	*1755*
Sample ID:		*S-00-040902-JW-1653D*	*S-00-040902-JW-1653*	*S-00-040902-GS-1654A*	*S-00-040902-GS-1654*	*S-00-042202-GS-1755*	*S-00-042202-GS-1755A*
Sample Date:		*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/9/2002*	*4/22/2002*	*4/22/2002*
Sample Depth:		*(1-1.33)*	*(0-0.33)*	*(0.33-0.5)*	*(0-0.33)*	*(0-0.33)*	*(0.33-0.67)*
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (2100)	ND (250)	ND (18000)	ND (11000)	ND (41)	ND (41)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (2100)	ND (250)	ND (18000)	ND (11000)	ND (41)	ND (41)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (2100)	ND (250)	ND (18000)	ND (11000)	ND (41)	ND (41)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (2100)	ND (250)	ND (18000)	ND (11000)	ND (41)	ND (41)
Aroclor-1248 (PCB-1248)	µg/Kg	20000	1000	150000	99000	43	ND (41)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (2100)	ND (250)	ND (18000)	ND (11000)	ND (41)	ND (41)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (2100)	150 J	13000 J	6900 J	ND (41)	ND (41)
Sum of Detected PCBs (ND=0)	µg/Kg	20000	1150 J	163000 J	105900 J	43	ND

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1757*	*1758*	*1758*	*1761*	*1761*	*1766*	*1766*
Sample ID:		*S-00-042202-GS-1757*	*S-00-042202-GS-1758*	*S-00-042202-GS-1758A*	*S-00-042202-GS-1761*	*S-00-042202-GS-1761A*	*S-00-042302-JW-1766*	*S-00-042302-JW-1766A*
Sample Date:		*4/22/2002*	*4/22/2002*	*4/22/2002*	*4/22/2002*	*4/22/2002*	*4/23/2002*	*4/23/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0.33-0.67)*	*(0-0.33)*	*(0.33-0.67)*	*(0-0.33)*	*(0.33-0.67)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (23000)	ND (46)	ND (42)	ND (42)	ND (42)	ND (46)	ND (41)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (23000)	ND (46)	ND (42)	ND (42)	ND (42)	ND (46)	ND (41)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (23000)	ND (46)	ND (42)	ND (42)	ND (42)	ND (46)	ND (41)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (23000)	ND (46)	ND (42)	ND (42)	ND (42)	ND (46)	ND (41)
Aroclor-1248 (PCB-1248)	µg/Kg	220000	97	26 J	420	590	460	160
Aroclor-1254 (PCB-1254)	µg/Kg	ND (23000)	ND (46)	ND (42)	ND (42)	ND (42)	ND (46)	ND (41)
Aroclor-1260 (PCB-1260)	µg/Kg	15000 J	ND (46)	ND (42)	85	100	50	9.6 J
Sum of Detected PCBs (ND=0)	µg/Kg	235000 J	97	26 J	505	690	510	169.6 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1766*	*1767*	*1770*	*1770*	*1770*	*1770*
Sample ID:		*S-00-042302-JW-1766B*	*S-00-042302-GS-1767*	*S-00-042302-JW-1770A*	*S-00-042302-JW-1770B*	*S-00-042302-JW-1770C*	*S-00-042302-JW-1770*
Sample Date:		*4/23/2002*	*4/23/2002*	*4/23/2002*	*4/23/2002*	*4/23/2002*	*4/23/2002*
Sample Depth:		*(0.33-0.67)*	*(0-0.33)*	*(0.33-0.67)*	*(0.67-1)*	*(0-0.33)*	*(0-0.33)*
		Duplicate					
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (41)	ND (250)	ND (40)	ND (40)	ND (440)	ND (200)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (41)	ND (250)	ND (40)	ND (40)	ND (440)	ND (200)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (41)	ND (250)	ND (40)	ND (40)	ND (440)	ND (200)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (41)	ND (250)	ND (40)	140	ND (440)	ND (200)
Aroclor-1248 (PCB-1248)	µg/Kg	200	1800	81	ND (40)	2300	1600
Aroclor-1254 (PCB-1254)	µg/Kg	ND (41)	ND (250)	ND (40)	ND (40)	ND (440)	ND (200)
Aroclor-1260 (PCB-1260)	µg/Kg	9.2 J	180 J	ND (40)	ND (40)	220 J	170 J
Sum of Detected PCBs (ND=0)	µg/Kg	209.2 J	1980 J	81	140	2520 J	1770 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1773*	*1775*	*1775*	*1777*	*1777*	*725*
Sample ID:		*S-00-042302-GS-1773*	*S-00-042302-JW-1775A*	*S-00-042302-JW-1775*	*S-00-042402-GS-1777A*	*S-00-042402-GS-1777*	*S-00-020102-CH-725*
Sample Date:		*4/23/2002*	*4/23/2002*	*4/23/2002*	*4/24/2002*	*4/24/2002*	*2/1/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-0.67)*	*(0-0.33)*	*(0-0.33)*
			Duplicate				
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (950)	ND (930)	ND (470)	ND (4600)	ND (4700)	ND (48)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (950)	ND (930)	ND (470)	ND (4600)	ND (4700)	ND (48)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (950)	ND (930)	ND (470)	ND (4600)	ND (4700)	ND (48)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (950)	ND (930)	ND (470)	ND (4600)	ND (4700)	ND (48)
Aroclor-1248 (PCB-1248)	µg/Kg	6400	5300	4200	40000	74000	ND (48)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (950)	ND (930)	ND (470)	ND (4600)	ND (4700)	ND (48)
Aroclor-1260 (PCB-1260)	µg/Kg	500 J	530 J	400 J	2800 J	ND (4700)	ND (48)
Sum of Detected PCBs (ND=0)	µg/Kg	6900 J	5830 J	4600 J	42800 J	74000	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.1

ANALYTICAL RESULTS SUMMARY
PARCEL 3
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*726*	*726*	*727*	*728*	*729*	*730/732*	*731/733*
Sample ID:		*S-00-020102-GS-726*	*S-00-020102-GS-726A*	*S-00-020102-GS-727*	*S-00-020102-GS-728*	*S-00-020102-GS-729*	*SD-00-020102-JW-730*	*SD-00-020102-JH-731*
Sample Date:		*2/1/2002*	*2/1/2002*	*2/1/2002*	*2/1/2002*	*2/1/2002*	*2/1/2002*	*2/1/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*		
			Duplicate					
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	ND (45)	ND (11000)	ND (4400000)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	ND (45)	ND (11000)	ND (4400000)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	ND (45)	ND (11000)	ND (4400000)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	130	150000	25000000
Aroclor-1248 (PCB-1248)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	ND (45)	ND (11000)	ND (4400000)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	ND (45)	ND (11000)	ND (4400000)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (47)	ND (52)	ND (50)	ND (52)	16 J	7800 J	ND (4400000)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	146 J	157800 J	25000000

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***001(P004)***	***002(P004)***	***003(P004)***	***004(P004)***	***005(P004)***	***005(P004)***	***006(P004)***
Sample ID:		***S-04-011602-LM-001***	***S-04-011602-LM-002***	***S-04-011602-LM-003***	***S-04-011602-LM-004***	***S-04-011602-LM-005***	***S-04-011602-LM-005A***	***S-04-011602-LM-006***
Sample Date:		***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
							dupl of S-04-011602-LM-005	
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	ND (44)	ND (44)	ND (44)	ND (45)	ND (44)	ND (45)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	ND	ND	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*007*	*008*	*009*	*010*	*010*	*011*	*012*	*013*
Sample ID:		*S-04-011602-LM-007*	*S-04-011602-LM-008*	*S-04-011602-LM-009*	*S-04-011602-LM-010*	*S-04-011602-LM-010A*	*S-04-011602-LM-011*	*S-04-011602-LM-012*	*S-04-011602-LM-013*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
						dupl of S-04-011602-LM-010			
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	12 J	ND (41)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (42)	ND (42)	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	ND (42)	15 J	ND (42)	ND (42)	ND (41)	ND (44)	ND (41)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	15 J	ND	ND	ND	12 J	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*014*	*015*	*016*	*017*	*018*	*019*	*020*	*021*
Sample ID:		*S-04-011602-LM-014*	*S-04-011602-LM-015*	*S-04-011602-LM-016*	*S-04-011602-LM-017*	*S-04-011602-LM-018*	*S-04-011602-LM-019*	*S-04-011602-LM-020*	*S-04-011602-LM-021*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (41)	8.2 J	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	11 J	ND (42)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (41)	ND (42)	ND (45)	ND (43)	ND (43)	ND (43)	ND (45)	ND (42)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	8.2 J	ND	ND	ND	ND	11 J	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*022*	*023*	*024*	*025*	*026*	*027*	*027*	*028*
Sample ID:		*S-04-011602-LM-022*	*S-04-011602-LM-023*	*S-04-011602-LM-024*	*S-04-011602-LM-025*	*S-04-011602-LM-026*	*S-04-011602-LM-027*	*S-04-011602-LM-027A*	*S-04-011602-LM-028*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	24 J	25 J	320	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	ND (47)	ND (50)	ND (53)	ND (49)	ND (48)	ND (44)	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	24 J	25 J	320	ND	ND	ND	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*028*	*029*	*029*	*029*	*030*	*031*	*032*
Sample ID:		*S-04-011602-LM-028A*	*S-04-011602-LM-029*	*S-04-011602-LM-029A*	*S-04-011602-LM-029B*	*S-04-011602-LM-030*	*S-04-011602-LM-031*	*S-04-011602-LM-032*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0.33-0.66)*	*(0.66-1)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
		dupl of S-04-011602-LM-028						
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	ND (44)	ND (42)	ND (42)	ND (43)	ND (41)	ND (40)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	ND	ND	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*033*	*033*	*035*	*036*	*037*	*038*	*039*	*040*
Sample ID:		*S-04-011602-LM-033*	*S-04-011602-LM-033A*	*S-04-011602-LM-035*	*S-04-011602-LM-036*	*S-04-011602-LM-037*	*S-04-011602-LM-038*	*S-04-011602-LM-039*	*S-04-011602-LM-040*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (52)	ND (44)	ND (47)	ND (57)	ND (100)	ND (420)	ND (52)	ND (45)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (52)	ND (44)	ND (47)	ND (57)	ND (100)	ND (420)	ND (52)	ND (45)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (52)	ND (44)	ND (47)	ND (57)	ND (100)	ND (420)	ND (52)	ND (45)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (52)	ND (44)	ND (47)	45 J	4000	ND (420)	11 J	ND (45)
Aroclor-1248 (PCB-1248)	µg/Kg	18 J	ND (44)	ND (47)	ND (57)	ND (100)	9800	ND (52)	ND (45)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (52)	ND (44)	ND (47)	ND (57)	ND (100)	ND (420)	ND (52)	7.2 J
Aroclor-1260 (PCB-1260)	µg/Kg	ND (52)	ND (44)	ND (47)	ND (57)	ND (100)	ND (420)	ND (52)	ND (45)
Sum of Detected PCBs (ND=0)	µg/Kg	18 J	ND	ND	45 J	4000	9800	11 J	7.2 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***041***	***042***	***043***	***043***	***044***	***045***	***045***
Sample ID:		***S-04-011602-LM-041***	***S-04-011602-LM-042***	***S-04-011602-LM-043***	***S-04-011602-LM-043A***	***S-04-011602-LM-044***	***S-04-011602-LM-045***	***S-04-011602-LM-045A***
Sample Date:		***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0.33-0.66)***
					dupl of S-04-011602-LM-043			
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (46)	12 J	9.3 J	ND (44)	7.6 J	ND (42)
Aroclor-1248 (PCB-1248)	µg/Kg	36 J	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	ND (46)	ND (48)	ND (44)	ND (44)	ND (42)	ND (42)
Sum of Detected PCBs (ND=0)	µg/Kg	36 J	ND	12 J	9.3 J	ND	7.6 J	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*045*	*046*	*047*	*048*	*049*	*050*	*051*	*052*
Sample ID:		*S-04-011602-LM-045B*	*S-04-011602-LM-046*	*S-04-011602-LM-047*	*S-04-011602-LM-048*	*S-04-011602-LM-049*	*S-04-011602-LM-050*	*S-04-011602-LM-051*	*S-04-011602-LM-052*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0.66-1)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (42)	ND (43)	ND (44)	ND (44)	ND (41)	ND (40)	ND (58)	ND (45)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (42)	ND (43)	ND (44)	ND (44)	ND (41)	ND (40)	ND (58)	ND (45)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (42)	ND (43)	ND (44)	ND (44)	ND (41)	ND (40)	ND (58)	ND (45)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (42)	47	14 J	850	1400	130	17 J	ND (45)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (42)	ND (43)	ND (44)	ND (44)	ND (41)	ND (40)	ND (58)	ND (45)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (42)	35 J	ND (44)	ND (44)	ND (41)	48	ND (58)	8.3 J
Aroclor-1260 (PCB-1260)	µg/Kg	ND (42)	ND (43)	ND (44)	620	ND (41)	ND (40)	ND (58)	ND (45)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	82 J	14 J	1470	1400	178	17 J	8.3 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*053*	*054*	*055*	*055*	*056*	*057*	*057*
Sample ID:		*S-04-011602-LM-053*	*S-04-011602-LM-054*	*S-04-011602-LM-055*	*S-04-011602-LM-055A*	*S-04-011602-LM-056*	*S-04-011602-LM-057*	*S-04-011602-LM-057A*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
								dupl of S-04-011602-LM-057
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	ND (51)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	ND (51)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	ND (51)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	24 J	17 J	ND (43)	9.4 J	24 J	ND (51)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	170
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	ND (51)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (43)	ND (53)	ND (50)	ND (51)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	24 J	17 J	ND	9.4 J	24 J	170

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*058*	*059*	*060*	*061*	*062*	*063*	*064*	*065*
Sample ID:		*S-04-011602-LM-058*	*S-04-011602-LM-059*	*S-04-011602-LM-060*	*S-04-011602-LM-061*	*S-04-011602-LM-062*	*S-04-011602-LM-063*	*S-04-011602-LM-064*	*S-04-011602-LM-065*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (49)	ND (45)	ND (5100)	ND (43)	ND (42)	ND (43)	ND (56)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (49)	ND (45)	ND (5100)	ND (43)	ND (42)	ND (43)	ND (56)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (49)	ND (45)	ND (5100)	ND (43)	ND (42)	ND (43)	ND (56)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	23 J	ND (45)	ND (5100)	ND (43)	70	ND (43)	23 J	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (49)	ND (45)	140000	1100	ND (42)	ND (43)	ND (56)	ND (46)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (49)	160	ND (5100)	ND (43)	ND (42)	ND (43)	ND (56)	12 J
Aroclor-1260 (PCB-1260)	µg/Kg	ND (49)	ND (45)	38000	500	ND (42)	ND (43)	ND (56)	ND (46)
Sum of Detected PCBs (ND=0)	µg/Kg	23 J	160	178000	1600	70	ND	23 J	12 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***065***	***066***	***067***	***068***	***069***	***069***	***070***
Sample ID:		***S-04-011602-LM-065A***	***S-04-011602-LM-066***	***S-04-011602-LM-067***	***S-04-011602-LM-068***	***S-04-011602-LM-069***	***S-04-011602-LM-069A***	***S-04-011602-LM-070***
Sample Date:		***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
		dupl of S-04-011602-LM-065					*dupl of S-04-011602-LM-069*	
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	ND (2200)	ND (880)	ND (9700)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	ND (2200)	ND (880)	ND (9700)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	ND (2200)	ND (880)	ND (9700)
Aroclor-1242 (PCB-1242)	µg/Kg	15 J	22 J	9.6 J	22 J	ND (2200)	ND (880)	ND (9700)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	22000	8800	350000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	ND (2200)	ND (880)	ND (9700)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (45)	ND (47)	ND (43)	ND (43)	ND (2200)	ND (880)	42000
Sum of Detected PCBs (ND=0)	µg/Kg	15 J	22 J	9.6 J	22 J	22000	8800	392000

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***071***	***072***	***073***	***074***	***074***	***075***	***076***
Sample ID:		***S-04-011602-LM-071***	***S-04-011602-LM-072***	***S-04-011602-LM-073***	***S-04-011602-LM-074***	***S-04-011602-LM-074A***	***S-04-011602-LM-075***	***S-04-011602-LM-076***
Sample Date:		***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***	***1/16/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
						dupl of S-04-011602-LM-074		
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (43)	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (43)	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (43)	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	41 J	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	730	ND (43)	16 J	1100	600	660000	930
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44)	ND (43)	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	300	ND (43)	ND (45)	ND (43)	ND (45)	ND (45000)	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	1030	41 J	16 J	1100	600	660000	930

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*077*	*078*	*079*	*080*	*080*	*080*	*081*	*081*
Sample ID:		*S-04-011602-LM-077*	*S-04-011502-LM-78*	*S-04-011502-LM-79*	*S-04-011502-LM-80*	*S-04-011602-LM-080A*	*S-04-011602-LM-080B*	*S-04-011502-LM-81*	*S-04-011502-LM-81A*
Sample Date:		*1/16/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/16/2002*	*1/16/2002*	*1/15/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-0.66)*	*(0.66-1)*	*(0-0.33)*	*(0.33-2)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (96)	ND (21000)	ND (45)	ND (41)	ND (41)	ND (440)	ND (40)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (96)	ND (21000)	ND (45)	ND (41)	ND (41)	ND (440)	ND (40)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (96)	ND (21000)	ND (45)	ND (41)	ND (41)	ND (440)	ND (40)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	ND (96)	ND (21000)	ND (45)	66	8.3 J	ND (440)	ND (40)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	430	120000	170	ND (41)	ND (41)	2700	60
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44)	ND (96)	ND (21000)	ND (45)	ND (41)	ND (41)	ND (440)	ND (40)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	85 J	9800 J	56	ND (41)	ND (41)	890	17 J
Sum of Detected PCBs (ND=0)	µg/Kg	ND	515 J	129800 J	226	66	8.3 J	3590	77 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***082***	***082***	***083***	***084***	***085***	***086***	***087***	***088***
Sample ID:		***S-04-011502-LM-082***	***S-04-011502-LM-082A***	***S-04-011502-LM-83***	***S-04-011502-LM-84***	***S-04-011502-LM-85***	***S-04-011502-LM-86***	***S-04-011502-LM-87***	***S-04-011502-LM-88***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
			dupl of S-04-011502-LM-082						
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (46)	ND (44)	ND (47)	ND (7600)	ND (230)	ND (45)	ND (47)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (46)	ND (44)	ND (47)	ND (7600)	ND (230)	ND (45)	ND (47)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (46)	ND (44)	ND (47)	ND (7600)	ND (230)	ND (45)	ND (47)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (45)	ND (46)	ND (44)	ND (47)	ND (7600)	ND (230)	ND (45)	ND (47)
Aroclor-1248 (PCB-1248)	µg/Kg	99	220	ND (44)	39 J	58000	960	120	160
Aroclor-1254 (PCB-1254)	µg/Kg	ND (45)	ND (46)	ND (44)	ND (47)	ND (7600)	ND (230)	ND (45)	ND (47)
Aroclor-1260 (PCB-1260)	µg/Kg	23 J	ND (46)	ND (44)	ND (47)	3300 J	150 J	39 J	47
Sum of Detected PCBs (ND=0)	µg/Kg	122 J	220	ND	39 J	61300 J	1110 J	159 J	207

Notes

J = The reported laboratory result is qualified as an estimated value
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R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*089*	*089*	*090*	*090*	*091*	*092*	*093*
Sample ID:		*S-04-011502-LM-089*	*S-04-011502-LM-089A*	*S-04-011502-LM-090*	*S-04-011502-LM-090A*	*S-04-011502-LM-091*	*S-04-011502-LM-092*	*S-04-011502-LM-093*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
			dupl of S-04-011502-LM-089					
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (240)	ND (230)	ND (450)	ND (440)	ND (41)	ND (46)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (240)	ND (230)	ND (450)	ND (440)	ND (41)	ND (46)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (240)	ND (230)	ND (450)	ND (440)	ND (41)	ND (46)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (240)	ND (230)	ND (450)	ND (440)	ND (41)	ND (46)	90
Aroclor-1248 (PCB-1248)	µg/Kg	1900	1200	6100	5100	150	160	ND (44)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (240)	ND (230)	ND (450)	ND (440)	ND (41)	ND (46)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	160 J	87 J	780	610	20 J	22 J	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	2060 J	1287 J	6880	5710	170 J	182 J	90

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*094*	*095*	*096*	*097*	*098(P004)*	*099*	*100*	*101*
Sample ID:		*S-04-011502-LM-094*	*S-04-011502-LM-095*	*S-04-011502-LM-096*	*S-04-011502-LM-097*	*S-04-011502-LM-098*	*S-04-011502-LM-099*	*S-04-011502-LM-100*	*S-04-011502-LM-101*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (49)	ND (860)	ND (920)	ND (45)	ND (48)	ND (50)	ND (49)	ND (4400)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (49)	ND (860)	ND (920)	ND (45)	ND (48)	ND (50)	ND (49)	ND (4400)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (49)	ND (860)	ND (920)	ND (45)	ND (48)	ND (50)	ND (49)	ND (4400)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (49)	ND (860)	ND (920)	ND (45)	ND (48)	ND (50)	ND (49)	ND (4400)
Aroclor-1248 (PCB-1248)	µg/Kg	110	5700	7800	400	110	120	310	38000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (49)	ND (860)	ND (920)	ND (45)	ND (48)	ND (50)	ND (49)	ND (4400)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (49)	610 J	660 J	ND (45)	15 J	19 J	55	2200 J
Sum of Detected PCBs (ND=0)	µg/Kg	110	6310 J	8460 J	400	125 J	139 J	365	40200 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***102***	***103***	***103***	***104***	***104***	***105***	***106***
Sample ID:		***S-04-011502-LM-102***	***S-04-011502-LM-103***	***S-04-011502-LM-103A***	***S-04-011502-LM-104***	***S-04-011502-LM-104A***	***S-04-011502-LM-105***	***S-04-011502-LM-106***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0.33-2)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
						dupl of S-04-011502-LM-104		
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (210)	ND (47)	ND (48)	ND (48)	ND (47)	ND (43)	ND (250)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (210)	ND (47)	ND (48)	ND (48)	ND (47)	ND (43)	ND (250)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (210)	ND (47)	ND (48)	ND (48)	ND (47)	ND (43)	ND (250)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (210)	ND (47)	ND (48)	ND (48)	ND (47)	ND (43)	ND (250)
Aroclor-1248 (PCB-1248)	µg/Kg	920	64	100	190 J	290 J	480	2000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (210)	ND (47)	ND (48)	ND (48)	ND (47)	ND (43)	ND (250)
Aroclor-1260 (PCB-1260)	µg/Kg	150 J	ND (47)	23 J	34 J	54 J	63	210 J
Sum of Detected PCBs (ND=0)	µg/Kg	1070 J	64	123 J	224 J	344 J	543	2210 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***106***	***107***	***108***	***109***	***110***	***111***	***111***
Sample ID:		***S-04-011502-LM-106A***	***S-04-011502-LM-107***	***S-04-011502-LM-108***	***S-04-011502-LM-109***	***S-04-011502-LM-110***	***S-04-011502-LM-111***	***S-04-011502-LM-111A***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
		dupl of S-04-011502-LM-106						*dupl of S-04-011502-LM-111*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (41)	ND (44)	ND (99)	ND (42)	ND (4700)	ND (46)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (41)	ND (44)	ND (99)	ND (42)	ND (4700)	ND (46)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (41)	ND (44)	ND (99)	ND (42)	ND (4700)	ND (46)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (41)	ND (44)	ND (99)	ND (42)	ND (4700)	ND (46)	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	65	360	160	72	27000	360	200
Aroclor-1254 (PCB-1254)	µg/Kg	ND (41)	ND (44)	ND (99)	ND (42)	ND (4700)	ND (46)	ND (46)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (41)	51	ND (99)	ND (42)	1400 J	36 J	37 J
Sum of Detected PCBs (ND=0)	µg/Kg	65	411	160	72	28400 J	396 J	237 J

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*112*	*113*	*113*	*114*	*115*	*152*	*152*	*1102*
Sample ID:		*S-04-011502-LM-112*	*S-04-011502-LM-113*	*S-04-011502-LM-113A*	*S-04-011502-LM-114*	*S-04-011502-LM-115*	*S-04-011502-LM-152*	*S-04-011502-LM-152A*	*S-00-022502-CH-1102*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*2/25/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0.33-1)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (47)	ND (84)	ND (2200)	ND (490)	ND (43)	ND (43)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (47)	ND (84)	ND (2200)	ND (490)	ND (43)	ND (43)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (47)	ND (84)	ND (2200)	ND (490)	ND (43)	ND (43)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (47)	ND (84)	ND (2200)	ND (490)	ND (43)	ND (43)	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	42 J	290	450	12000	2900	21 J	ND (43)	190
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (47)	ND (84)	ND (2200)	ND (490)	ND (43)	ND (43)	ND (46)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	34 J	60 J	850 J	330 J	ND (43)	ND (43)	22 J
Sum of Detected PCBs (ND=0)	µg/Kg	42 J	324 J	510 J	12850 J	3230 J	21 J	ND	212 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1783*	*1783*	*1783*	*1783*	*1783*	*1783*	*1784*
Sample ID:		*S-00-042502-JW-1783*	*S-00-042502-JW-1783A*	*S-00-042502-JW-1783B*	*S-00-042502-JW-1783C*	*S-00-042502-JW-1783D*	*S-00-042502-JW-1783E*	*S-00-042502-JW-1784*
Sample Date:		*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*
Sample Depth:		*(0-0.33)*	*(0.33-0.67)*	*(0.67-1)*	*(0.67-1)*	*(1-1.33)*	*(1.33-1.67)*	*(0-0.33)*
					dupl of S-00-042502-JW-1783B			
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (430)	ND (42)	ND (42)	ND (41)	ND (44)	ND (43)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (430)	ND (42)	ND (42)	ND (41)	ND (44)	ND (43)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (430)	ND (42)	ND (42)	ND (41)	ND (44)	ND (43)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (430)	ND (42)	ND (42)	ND (41)	ND (44)	ND (43)	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	1500	690	170	89	ND (44)	ND (43)	160
Aroclor-1254 (PCB-1254)	µg/Kg	ND (430)	ND (42)	ND (42)	ND (41)	ND (44)	ND (43)	ND (46)
Aroclor-1260 (PCB-1260)	µg/Kg	160 J	88	25 J	ND (41)	ND (44)	ND (43)	65
Sum of Detected PCBs (ND=0)	µg/Kg	1660 J	778	195 J	89	ND	ND	225

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.2

ANALYTICAL RESULTS SUMMARY
PARCEL 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1784*	*1784*	*1784*	*SD-100301-SK-004*	*S-100301-SK-005*	*S-100301-SK-006*
Sample ID:		*S-00-042502-JW-1784A*	*S-00-042502-JW-1784B*	*S-00-042502-JW-1784C*	*SD-100301-SK-004*	*S-100301-SK-005*	*S-100301-SK-006*
Sample Date:		*4/25/2002*	*4/25/2002*	*4/25/2002*	*10/3/2001*	*10/3/2001*	*10/3/2001*
Sample Depth:		*(0.33-0.67)*	*(0.67-1)*	*(1-1.33)*	*(5-10)*	*(5-10)*	*(5-10)*
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (41)	ND (42)	ND (42)	ND (4500)	ND (230000)	ND (81000)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (41)	ND (42)	ND (42)	ND (4500)	ND (230000)	ND (81000)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (41)	ND (42)	ND (42)	ND (4500)	ND (230000)	ND (81000)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (41)	ND (42)	ND (42)	ND (4500)	ND (230000)	ND (81000)
Aroclor-1248 (PCB-1248)	µg/Kg	73	19 J	53	50000	2100000	1200000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (41)	ND (42)	ND (42)	ND (4500)	ND (230000)	ND (81000)
Aroclor-1260 (PCB-1260)	µg/Kg	37 J	ND (42)	15 J	ND (4500)	ND (230000)	ND (81000)
Sum of Detected PCBs (ND=0)	µg/Kg	110 J	19 J	68 J	50000	2100000	1200000

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.3

ANALYTICAL RESULTS SUMMARY
PARCEL 5
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*153*	*154*	*157*	*157*	*158*	*158*	*161*
Sample ID:		*S-04-011602-LM-153*	*S-04-011602-LM-154*	*S-04-011602-LM-157*	*S-04-011602-LM-157A*	*S-04-011602-LM-158*	*S-04-011602-LM-158A*	*S-04-011602-LM-161*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth (feet):		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameter	*Unit*							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	54	180	83	6.2 J	510	170	99 J
Aroclor-1248 (PCB-1248)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	ND (46)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	97 J
Aroclor-1260 (PCB-1260)	µg/Kg	ND (48)	ND (43)	ND (43)	ND (41)	ND (46)	ND (40)	ND (46)
Sum of Detected PCBs (ND=0)	µg/Kg	54	180	83	6.2 J	510	170	196 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.3

ANALYTICAL RESULTS SUMMARY
PARCEL 5
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*162*	*165*	*165*	*169*	*170*	*173*
Sample ID:		*S-04-011602-LM-162*	*S-04-011602-LM-165*	*S-04-011602-LM-165A*	*S-04-011602-LM-169*	*S-04-011602-LM-170*	*S-04-011602-LM-173*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth (feet):		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
				Duplicate			
Parameter	***Unit***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Aroclor-1242 (PCB-1242)	µg/Kg	3400 J	5400	5300	3400 J	1300	75
Aroclor-1248 (PCB-1248)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (230)	ND (470)	ND (490)	ND (260)	ND (44)	ND (48)
Sum of Detected PCBs (ND=0)	µg/Kg	3,400 J	5,400	5,300	3,400 J	1,300	75

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.3

ANALYTICAL RESULTS SUMMARY
PARCEL 5
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*174*	*300*	*301*	*1103*	*1103*	*1104*
Sample ID:		*S-04-011602-LM-174*	*S-00-011702-LM-300*	*S-00-011702-LM-301*	*S-00-022502-CH-1103*	*S-00-022502-CH-1103A*	*S-00-022502-GS-1104*
Sample Date:		*1/16/2002*	*1/17/2002*	*1/17/2002*	*2/25/2002*	*2/25/2002*	*2/25/2002*
Sample Depth (feet):		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
						dupl of S-00-022502-CH-1103	
Parameter	***Unit***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (12000)	ND (50)	ND (490)	ND (44)	ND (44)	ND (45)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (12000)	ND (50)	ND (490)	ND (44)	ND (44)	ND (45)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (12000)	ND (50)	ND (490)	ND (44)	ND (44)	ND (45)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (12000)	ND (50)	ND (490)	ND (44)	ND (44)	ND (45)
Aroclor-1248 (PCB-1248)	µg/Kg	160000	160	3500	66 J	49 J	140 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (12000)	ND (50)	ND (490)	ND (44)	ND (44)	ND (45)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (12000)	25 J	390 J	29 J	20 J	34 J
Sum of Detected PCBs (ND=0)	µg/Kg	160,000	185 J	3,890 J	95 J	69 J	174 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.3

ANALYTICAL RESULTS SUMMARY
PARCEL 5
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***1527***	***1528***	***1529***	***1529***	***1530***
Sample ID:		***S-05-032602-GS-1527***	***S-05-032602-GS-1528***	***S-05-032602-GS-1529***	***S-05-032602-GS-1529A***	***S-05-032602-GS-1530***
Sample Date:		***3/26/2002***	***3/26/2002***	***3/26/2002***	***3/26/2002***	***3/26/2002***
Sample Depth (feet):		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
					dupl of S-05-032602-GS-1529	
Parameter	***Unit***					
PCBs						
Aroclor-1016 (PCB-1016)	µg/Kg	ND (49)	ND (50)	ND (46)	ND (38)	ND (40)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (49)	ND (50)	ND (46)	ND (38)	ND (40)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (49)	ND (50)	ND (46)	ND (38)	ND (40)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (49)	ND (50)	ND (46)	ND (38)	ND (40)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (49)	13 J	51	33 J	56
Aroclor-1254 (PCB-1254)	µg/Kg	360	ND (50)	ND (46)	ND (38)	ND (40)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (49)	ND (50)	38 J	14 J	27 J
Sum of Detected PCBs (ND=0)	µg/Kg	360	13 J	89 J	47 J	83 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.4

ANALYTICAL RESULTS SUMMARY
PARCEL 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1660*	*1660*	*1661*	*1662*	*1663*	*1664*
Sample ID:		*S-06-041002-GS-1660*	*S-06-041002-GS-1660A*	*S-06-041002-GS-1661*	*S-06-041002-GS-1662*	*S-06-041002-GS-1663*	*S-06-041002-GS-1664*
Sample Date:		*4/10/02*	*4/10/02*	*4/10/02*	*4/10/02*	*4/10/02*	*4/10/02*
Sample Depth: (feet)		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
			dup of S-06-041002-GS-1660				
Parameter	*Unit*						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (47)	ND (45)	ND (44)	ND (44)	ND (46)	ND (42)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	ND	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.4

ANALYTICAL RESULTS SUMMARY
PARCEL 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1665*	*1666*	*1667*	*1668*	*1669*	*155*	*156*
Sample ID:		*S-06-041002-GS-1665*	*S-06-041002-GS-1666*	*S-06-041002-GS-1667*	*S-06-041002-GS-1668*	*S-06-041002-GS-1669*	*S-04-011602-LM-155*	*S-04-011602-LM-156*
Sample Date:		*4/10/02*	*4/10/02*	*4/10/02*	*4/10/02*	*4/10/02*	*1/16/2002*	*1/16/2002*
Sample Depth: (feet)		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Unit***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	40 J	54
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	ND (43)	ND (44)	ND (44)	ND (43)	ND (47)	ND (47)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	ND	40 J	54

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.4

ANALYTICAL RESULTS SUMMARY
PARCEL 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*159*	*159*	*160*	*160*	*160*	*163*	*164*
Sample ID:		*S-04-011602-LM-159*	*S-04-011602-LM-159A*	*S-04-011602-LM-160*	*S-04-011602-LM-160A*	*S-04-011602-LM-160A-D*	*S-04-011602-LM-163*	*S-04-011602-LM-164*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth: (feet)		*(0-0.33)*	*(0.33-1.67)*	*(0-0.33)*	*(0.33-1.08)*	*(0.33-1.08)*	*(0-0.33)*	*(0-0.33)*
						dupl of S-04-011602-LM-160A		
Parameter	*Unit*							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	ND (8600)	ND (47)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	ND (8600)	ND (47)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	ND (8600)	ND (47)
Aroclor-1242 (PCB-1242)	µg/Kg	160	ND (42)	21 J	9.5 J	42 J	ND (8600)	100
Aroclor-1248 (PCB-1248)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	77,000	ND (47)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	ND (8600)	ND (47)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (47)	ND (42)	ND (47)	ND (46)	ND (49)	ND (8600)	ND (47)
Sum of Detected PCBs (ND=0)	µg/Kg	160	ND	21 J	9.5 J	42 J	77,000	100

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.4

ANALYTICAL RESULTS SUMMARY
PARCEL 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*166*	*167*	*168*	*171*	*172*	*175*	*176*
Sample ID:		*S-04-011602-LM-166*	*S-04-011602-LM-167*	*S-04-011602-LM-168*	*S-04-011602-LM-171*	*S-04-011602-LM-172*	*S-04-011602-LM-175*	*S-04-011602-LM-176*
Sample Date:		*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*	*1/16/2002*
Sample Depth: (feet)		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Unit***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	ND (45)	ND (48)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	ND (45)	ND (48)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	ND (45)	ND (48)
Aroclor-1242 (PCB-1242)	µg/Kg	4,300	520	20 J	52	170	ND (45)	110
Aroclor-1248 (PCB-1248)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	730	ND (48)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	ND (45)	ND (48)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (450)	ND (43)	ND (51)	ND (48)	ND (52)	ND (45)	56
Sum of Detected PCBs (ND=0)	µg/Kg	4,300	520	20 J	52	170	730	166

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.5

ANALYTICAL RESULTS SUMMARY
PARCEL 7
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***1105***	***1106***	***1106***	***1107***	***1108***	***304***	***305***	***306***
Sample ID:		***S-00-022502-CH-1105***	***S-00-022502-CH-1106***	***S-00-022502-CH-1106A***	***S-00-022502-JW-1107***	***S-00-022502-JW-1108***	***S-00-011702-LM-304***	***S-00-011702-LM-305***	***S-00-011702-LM-306***
Sample Date:		***2/25/2002***	***2/25/2002***	***2/25/2002***	***2/25/2002***	***2/25/2002***	***1/17/2002***	***1/17/2002***	***1/17/2002***
Sample Depth (feet):		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
				dupl of S-00-022502-CH-1106					
Parameter	***Unit***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	ND (52)	ND (2200)	ND (430)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	ND (52)	ND (2200)	ND (430)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	ND (52)	ND (2200)	ND (430)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	ND (52)	ND (2200)	ND (430)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	100	10000	2400
Aroclor-1254 (PCB-1254)	µg/Kg	ND (51)	ND (44)	ND (45)	36 J	40 J	ND (52)	ND (2200)	ND (430)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (51)	ND (44)	ND (45)	ND (45)	ND (48)	20 J	1000 J	300 J
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	36 J	40 J	120 J	11,000 J	2,700 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.6

ANALYTICAL RESULTS SUMMARY
PARCEL 8
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*302*	*303*	*307*	*310*	*310*	*311*	*311*
Sample ID:		*S-00-011702-LM-302*	*S-00-011702-LM-303*	*S-00-011702-LM-307*	*S-00-011702-LM-310*	*S-00-011702-LM-310A*	*S-00-011702-LM-311*	*S-00-011702-LM-311A*
Sample Date:		*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (22000)	ND (44)	ND (47)	ND (43)	ND (43)	ND (44)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (22000)	ND (44)	ND (47)	ND (43)	ND (43)	ND (44)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (22000)	ND (44)	ND (47)	ND (43)	ND (43)	ND (44)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (22000)	ND (44)	ND (47)	ND (43)	ND (43)	ND (44)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	100000	19 J	ND (47)	88	82	ND (44)	39 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (22000)	ND (44)	ND (47)	ND (43)	ND (43)	ND (44)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	7200 J	ND (44)	ND (47)	23 J	18 J	ND (44)	12 J
Sum of Detected PCBs (ND=0)	µg/Kg	107,200 J	19 J	ND	111 J	100 J	ND	51 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.6

ANALYTICAL RESULTS SUMMARY
PARCEL 8
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*314*	*315*	*318*	*319*	*319*	*322*	*323*
Sample ID:		*S-00-011702-LM-314*	*S-00-011702-LM-315*	*S-00-011702-LM-318*	*S-00-011702-LM-319*	*S-00-011702-LM-319A*	*S-00-011702-LM-322*	*S-00-011702-LM-323*
Sample Date:		*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
						Duplicate		
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (21000)	ND (1800)	ND (230)	ND (47)	ND (44)	ND (21000)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (21000)	ND (1800)	ND (230)	ND (47)	ND (44)	ND (21000)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (21000)	ND (1800)	ND (230)	ND (47)	ND (44)	ND (21000)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (21000)	ND (1800)	ND (230)	ND (47)	ND (44)	ND (21000)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	100000	9300	620	64	49	240000	9.5 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (21000)	ND (1800)	ND (230)	ND (47)	ND (44)	ND (21000)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	6200 J	760 J	110 J	20 J	15 J	14000 J	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	106,200 J	10,060 J	730 J	84 J	64 J	254,000 J	9.5 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.6

ANALYTICAL RESULTS SUMMARY
PARCEL 8
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*326*	*327*	*330*	*330*	*331*	*331*	*1109*
Sample ID:		*S-00-011702-LM-326*	*S-00-011702-LM-327*	*S-00-011802-SV-330*	*S-00-011802-SV-330A*	*S-00-011802-SV-331*	*S-00-011802-SV-331A*	*S-00-022502-GS-1109*
Sample Date:		*1/17/2002*	*1/17/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*2/25/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4900)	ND (43)	ND (840)	ND (410)	ND (57)	ND (43)	ND (42)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4900)	ND (43)	ND (840)	ND (410)	ND (57)	ND (43)	ND (42)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4900)	ND (43)	ND (840)	ND (410)	ND (57)	ND (43)	ND (42)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4900)	ND (43)	ND (840)	ND (410)	46 J	ND (43)	ND (42)
Aroclor-1248 (PCB-1248)	µg/Kg	43000	33 J	12000	7600	ND (57)	ND (43)	ND (42)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4900)	ND (43)	ND (840)	ND (410)	ND (57)	ND (43)	ND (42)
Aroclor-1260 (PCB-1260)	µg/Kg	3000 J	11 J	ND (840)	ND (410)	ND (57)	ND (43)	ND (42)
Sum of Detected PCBs (ND=0)	µg/Kg	46,000 J	44 J	12,000	7,600	46 J	ND	ND

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.6

ANALYTICAL RESULTS SUMMARY
PARCEL 8
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1110*	*2066*	*2066*	*2066*	*2067*	*2067*	*2067*
Sample ID:		*S-00-022502-JW-1110*	*S-073102-BT-2066*	*S-073102-BT-2066A*	*S-073102-BT-2066B*	*S-073102-BT-2067*	*S-073102-BT-2067A*	*S-073102-BT-2067B*
Sample Date:		*2/25/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(0-0.33)*	*(0-0.33)*	*(0.33-1)*
							Duplicate	
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	15000	63000	2000	41000	37000	550 J
Aroclor-1254 (PCB-1254)	µg/Kg	27 J	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	ND (1900)	ND (8000)	ND (390)	ND (3900)	ND (3900)	R
Sum of Detected PCBs (ND=0)	µg/Kg	27 J	15,000	63,000	2,000	41,000	37,000	550 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.7

ANALYTICAL RESULTS SUMMARY
PARCEL 10
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*308*	*308*	*308*	*309*	*309*	*312*	*313*
Sample ID:		*S-00-011702-LM-308*	*S-00-011702-LM-308A*	*S-00-011702-LM-308B*	*S-00-011702-LM-309*	*S-00-011702-LM-309A*	*S-00-011702-LM-312*	*S-00-011702-LM-313*
Sample Date:		*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*
Sample Depth (feet):		*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*
			dupl of S-00-011702-LM-308					
Parameter	***Unit***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (45)	ND (42)	ND (45)	ND (43)	ND (45)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (45)	ND (42)	ND (45)	ND (43)	ND (45)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (45)	ND (42)	ND (45)	ND (43)	ND (45)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	ND (45)	ND (42)	ND (45)	ND (43)	ND (45)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	48	ND (42)	130	46	22 J	38 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44)	ND (45)	ND (42)	ND (45)	ND (43)	ND (45)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	15 J	ND (42)	49	ND (43)	ND (45)	13 J
Sum of Detected PCBs (ND=0)	µg/Kg	ND	63 J	ND	179	46	22 J	51 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.7

ANALYTICAL RESULTS SUMMARY
PARCEL 10
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*316*	*317*	*320*	*321*	*324*	*325*
Sample ID:		*S-00-011702-LM-316*	*S-00-011702-LM-317*	*S-00-011702-LM-320*	*S-00-011702-LM-321*	*S-00-011702-LM-324*	*S-00-011702-LM-325*
Sample Date:		*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*	*1/17/2002*
Sample Depth (feet):		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Unit***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (830)	ND (47)	ND (220)	ND (91)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (830)	ND (47)	ND (220)	ND (91)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (830)	ND (47)	ND (220)	ND (91)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (45)	ND (830)	ND (47)	ND (220)	ND (91)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	17 J	4000	36 J	1300	580	15 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (45)	ND (830)	ND (47)	ND (220)	ND (91)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (45)	430 J	ND (47)	200 J	84 J	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	17 J	4430 J	36 J	1500 J	664 J	15 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P011*	*P011*	*P011*	*P011*	*P011*	*P011*
Sample Location:		*328*	*328*	*329*	*329*	*332*	*332*
Sample ID:		*S-00-011802-SV-328*	*S-00-011802-SV-328A*	*S-00-011802-SV-329*	*S-00-011802-SV-329A*	*S-00-011802-SV-332*	*S-00-011802-SV-332A*
Sample Date:		*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*
Sample Depth:		*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*
							Duplicate
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (48)	ND (42)	18000	970	8300	11000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (48)	ND (42)	ND (1100)	ND (43)	ND (1000)	ND (990)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	18000	970	8300	11000

Notes

J = The reported laboratory result is qualified as an estimated value

UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P011*	*P011*	*P011*	*P011*	*P011*	*P011*
Sample Location:		*333*	*334*	*335*	*336*	*337*	*338*
Sample ID:		*S-00-011802-SV-333*	*S-00-011802-SV-334*	*S-00-011802-SV-335*	*S-00-011802-SV-336*	*S-00-011802-SV-337*	*S-00-011802-SV-338*
Sample Date:		*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*	*1/18/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4200)	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4200)	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4200)	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4200)	840	13 J	18 J	1400	400
Aroclor-1248 (PCB-1248)	µg/Kg	49000	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4200)	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (4200)	ND (45)	ND (44)	ND (45)	ND (44)	ND (41)
Sum of Detected PCBs (ND=0)	µg/Kg	49000	840	13 J	18 J	1400	400

Notes

J = The reported laboratory result is qualified as an estimated value

UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P011*	*P011*	*P011*	*P011*	*P011 P012*	*P011 P012*
Sample Location:		*339*	*1111*	*2068*	*2068*	*340*	*340*
Sample ID:		*S-00-011802-SV-339*	*S-00-022502-JW-1111*	*S-073102-BT-2068*	*S-073102-BT-2068A*	*S-00-012102-SV-340*	*S-00-012102-SV-340A*
Sample Date:		*1/18/2002*	*2/25/2002*	*7/31/2002*	*7/31/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-1)*	*(0-0.33)*	*(0-0.33)*
							Duplicate
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (47)	ND (80)	ND (1900)	ND (75)	ND (43)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (47)	ND (80)	ND (1900)	ND (75)	ND (43)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (47)	ND (80)	ND (1900)	ND (75)	ND (43)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	64	ND (80)	ND (1900)	ND (75)	ND (43)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (47)	390	9500	480	ND (43)	190
Aroclor-1254 (PCB-1254)	µg/Kg	ND (47)	ND (80)	ND (1900)	ND (75)	50	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (47)	76 J	ND (1900)	39 J	ND (43)	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	64	466 J	9500	519 J	50	190

Notes

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NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P011 P012*	*P011 P012*	*P011 P012*	*P011 P012*	*P011 P012*
Sample Location:		*341*	*342*	*343*	*1430*	*1430*
Sample ID:		*S-00-012102-SV-341*	*S-00-012102-SV-342*	*S-00-012102-SV-343*	*SD-00-031502-RB-1430*	*SD-00-031502-RB-1430B*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*3/15/2002*	*3/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.83)*	*(0-0.83)*
						Duplicate
Parameter	***Units***					
PCBs						
Aroclor-1016 (PCB-1016)	µg/Kg	ND (910)	ND (2200)	ND (50)	ND (1400)	ND (1400)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (910)	ND (2200)	ND (50)	7500	4500
Aroclor-1232 (PCB-1232)	µg/Kg	ND (910)	ND (2200)	ND (50)	ND (1400)	ND (1400)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (910)	ND (2200)	ND (50)	ND (1400)	ND (1400)
Aroclor-1248 (PCB-1248)	µg/Kg	5300	10000	29 J	1300 J	700 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (910)	ND (2200)	ND (50)	ND (1400)	ND (1400)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (910)	ND (2200)	ND (50)	ND (1400)	ND (1400)
Sum of Detected PCBs (ND=0)	µg/Kg	5300	10000	29 J	8800 J	5200 J

Notes

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NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		***P011 P012***	***P011 P012***	***P011 P012***	***P011 P012***	***P011 P012***
Sample Location:		***1430***	***1431***	***1431***	***1432***	***1432***
Sample ID:		***SD-00-031502-RB-1430A***	***SD-00-031502-RB-1431***	***SD-00-RB-1431A***	***SD-00-031502-RB-1432***	***SD-00-031502-RB-1432A***
Sample Date:		***3/15/2002***	***3/15/2002***	***3/15/2002***	***3/15/2002***	***3/15/2002***
Sample Depth:		***(0.83-1.67)***	***(0-0.83)***	***(0.83-1.67)***	***(0-0.83)***	***(0.83-1.5)***
Parameter	***Units***					
PCBs						
Aroclor-1016 (PCB-1016)	µg/Kg	ND (64)	ND (960)	ND (850)	ND (110)	ND (58)
Aroclor-1221 (PCB-1221)	µg/Kg	230	5100	6600	ND (110)	ND (58)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (64)	ND (960)	ND (850)	ND (110)	ND (58)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (64)	ND (960)	ND (850)	ND (110)	ND (58)
Aroclor-1248 (PCB-1248)	µg/Kg	34 J	890 J	840 J	26 J	ND (58)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (64)	ND (960)	ND (850)	ND (110)	ND (58)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (64)	ND (960)	ND (850)	ND (110)	ND (58)
Sum of Detected PCBs (ND=0)	µg/Kg	264 J	5990 J	7440 J	26 J	ND

Notes

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NA = Not Applicable

TABLE 3.1.8

ANALYTICAL RESULTS SUMMARY
PARCEL 11
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P011 P012*	*P011 P012*	*P011 P012*	*P011 P012*	*P011 P012*
Sample Location:		*1433*	*1433*	*SD-100701-SK-007*	*S-100701-SK-001*	*S-100701-SK-002*
Sample ID:		*SD-00-031502-RB-1433*	*SD-00-031502-RB-1433A*	*SD-100701-SK-007*	*S-100701-SK-001*	*S-100701-SK-002*
Sample Date:		*3/15/2002*	*3/15/2002*	*10/7/2001*	*10/7/2001*	*10/7/2001*
Sample Depth:		*(0-0.83)*	*(0.83-1.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Units***					
PCBs						
Aroclor-1016 (PCB-1016)	µg/Kg	ND (89)	ND (61)	ND (1300)	ND (2700)	ND (93)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (89)	ND (61)	ND (1300)	ND (2700)	ND (93)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (89)	ND (61)	ND (1300)	ND (2700)	ND (93)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (89)	ND (61)	ND (1300)	ND (2700)	ND (93)
Aroclor-1248 (PCB-1248)	µg/Kg	29 J	ND (61)	1700	14000	220
Aroclor-1254 (PCB-1254)	µg/Kg	ND (89)	ND (61)	ND (1300)	ND (2700)	ND (93)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (89)	ND (61)	ND (1300)	3800	ND (93)
Sum of Detected PCBs (ND=0)	µg/Kg	29 J	ND	1700	17800	220

Notes

J = The reported laboratory result is qualified as an estimated value

UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.9

ANALYTICAL RESULTS SUMMARY
PARCEL 12
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P012*	*P012*	*P012*	*P012*	*P012 P013*	*P012 P013*	*P012 P013*
Sample Location:		*344*	*345*	*346*	*347*	*349*	*349*	*350*
Sample ID:		*S-00-012102-SV-344*	*S-00-012102-SV-345*	*S-00-012102-SV-346*	*S-00-012102-SV-347*	*S-00-012102-SV-349*	*S-00-012102-SV-349A*	*S-00-012102-SV-350*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	ND (47)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	ND (47)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	ND (47)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	ND (47)
Aroclor-1248 (PCB-1248)	µg/Kg	35 J	340	260	31 J	ND (50)	ND (45)	210
Aroclor-1254 (PCB-1254)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	ND (47)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (52)	ND (46)	ND (45)	ND (45)	ND (50)	ND (45)	25 J
Sum of Detected PCBs (ND=0)	µg/Kg	35 J	340	260	31 J	ND	ND	235 J

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.9

ANALYTICAL RESULTS SUMMARY
PARCEL 12
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P012 P013*	*P012 P013*	*P012 P013*	*P012 P013*	*P012 P013*	*P012 P213(GM)*	*P012 P213(GM)*
Sample Location:		*350*	*351*	*351*	*352*	*352*	*348*	*348*
Sample ID:		*S-00-012102-SV-350A*	*S-00-012102-SV-351*	*S-00-012102-SV-351A*	*S-00-012102-SV-352*	*S-00-012102-SV-352A*	*S-00-012102-SV-348*	*S-00-012102-SV-348A*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*
								Duplicate
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (41)	ND (41)	ND (48)	ND (43)	ND (46)	ND (46)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (41)	ND (41)	ND (48)	ND (43)	ND (46)	ND (46)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (41)	ND (41)	ND (48)	ND (43)	ND (46)	ND (46)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (41)	ND (41)	ND (48)	ND (43)	ND (46)	ND (46)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	270	270	20 J	ND (43)	66	ND (46)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (41)	ND (41)	ND (48)	ND (43)	ND (46)	ND (46)
Aroclor-1260 (PCB-1260)	µg/Kg	19 J	44	42	ND (48)	ND (43)	ND (46)	ND (46)
Sum of Detected PCBs (ND=0)	µg/Kg	19 J	314	312	20 J	ND	66	ND

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.10

ANALYTICAL RESULTS SUMMARY
PARCEL 205
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*116*	*117*	*118*	*119*	*120*	*121*
Sample ID:		*S-04-011502-LM-116*	*S-04-011502-LM-117*	*S-04-011502-LM-118*	*S-04-011502-LM-119*	*S-04-011502-LM-120*	*S-04-011502-LM-121*
Sample Date:		*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*	*1/15/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (48)	ND (450)	ND (8800)	ND (430)	ND (100)	ND (470000)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (48)	ND (450)	ND (8800)	ND (430)	ND (100)	ND (470000)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (48)	ND (450)	ND (8800)	ND (430)	ND (100)	ND (470000)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (48)	ND (450)	ND (8800)	ND (430)	ND (100)	ND (470000)
Aroclor-1248 (PCB-1248)	µg/Kg	350	3900	49000	490	720	3300000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (48)	ND (450)	ND (8800)	ND (430)	ND (100)	ND (470000)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (48)	410	ND (8800)	ND (430)	64	ND (470000)
Sum of Detected PCBs (ND=0)	µg/Kg	350	4,310	49,000	490	784	3,300,000

Notes

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R = Rejected
NA = Not Applicable

TABLE 3.1.10

ANALYTICAL RESULTS SUMMARY
PARCEL 205
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***122***	***123***	***127***	***127***	***1781***	***1781***
Sample ID:		***S-04-011502-LM-122***	***S-04-011502-LM-123***	***S-04-011502-LM-127***	***S-04-011502-LM-127A***	***S-00-042502-JW-1781***	***S-00-042502-JW-1781A***
Sample Date:		***1/15/2002***	***1/15/2002***	***1/15/2002***	***1/15/2002***	***4/25/2002***	***4/25/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0.33-0.67)***
					Duplicate		
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44000)	ND (92)	ND (46)	ND (45)	ND (5100)	ND (900)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44000)	ND (92)	ND (46)	ND (45)	ND (5100)	ND (900)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44000)	ND (92)	ND (46)	ND (45)	ND (5100)	ND (900)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44000)	ND (92)	ND (46)	ND (45)	ND (5100)	ND (900)
Aroclor-1248 (PCB-1248)	µg/Kg	650000	340	200	330	19000	9900
Aroclor-1254 (PCB-1254)	µg/Kg	ND (44000)	ND (92)	ND (46)	ND (45)	ND (5100)	ND (900)
Aroclor-1260 (PCB-1260)	µg/Kg	25000	43	ND (46)	50	1400 J	780 J
Sum of Detected PCBs (ND=0)	µg/Kg	675,000	383	200	380	20,400 J	10,680 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.10

ANALYTICAL RESULTS SUMMARY
PARCEL 205
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1781*	*1781*	*1781*	*1781*	*1782*	*1782*
Sample ID:		*S-00-042502-JW-1781B*	*S-00-042502-JW-1781C*	*S-00-042502-JW-1781D*	*S-00-042502-JW-1781E*	*S-00-042502-LM-1782*	*S-00-042502-LM-1782A*
Sample Date:		*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*	*4/25/2002*
Sample Depth:		*(0.67-1)*	*(1-1.33)*	*(1.33-1.67)*	*(1.67-2)*	*(0-0.33)*	*(0.33-0.67)*
Parameters	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (210)	ND (220)	ND (430)	ND (870)	ND (8600)	ND (210)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (210)	ND (220)	ND (430)	ND (870)	ND (8600)	ND (210)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (210)	ND (220)	ND (430)	ND (870)	ND (8600)	ND (210)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (210)	ND (220)	ND (430)	ND (870)	ND (8600)	ND (210)
Aroclor-1248 (PCB-1248)	µg/Kg	1100	1100	1700	7200	98000	1600
Aroclor-1254 (PCB-1254)	µg/Kg	ND (210)	ND (220)	ND (430)	ND (870)	ND (8600)	ND (210)
Aroclor-1260 (PCB-1260)	µg/Kg	76 J	75 J	ND (430)	810 J	8600	110 J
Sum of Detected PCBs (ND=0)	µg/Kg	1,176 J	1,175 J	1,700	8,010 J	106,600	1,710 J

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.10

ANALYTICAL RESULTS SUMMARY
PARCEL 205
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		***1782***	***1782***	***BK-X267Y091***
Sample ID:		***S-00-042502-LM-1782B***	***S-00-042502-LM-1782C***	***S-010223-MO-003***
Sample Date:		***4/25/2002***	***4/25/2002***	***1/23/2002***
Sample Depth:		***(0.67-1)***	***(1-1.33)***	***(0-2)***
Parameters	***Units***			
PCBs				
Aroclor-1016 (PCB-1016)	µg/Kg	ND (880)	ND (43)	ND (41)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (880)	ND (43)	ND (41)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (880)	ND (43)	ND (41)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (880)	ND (43)	ND (41)
Aroclor-1248 (PCB-1248)	µg/Kg	5300	490	ND (41)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (880)	ND (43)	ND (41)
Aroclor-1260 (PCB-1260)	µg/Kg	430 J	31 J	ND (41)
Sum of Detected PCBs (ND=0)	µg/Kg	5,730 J	521 J	ND

Notes

J = The reported laboratory result is qualified as an estimated value
UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.
R = Rejected
NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*
Sample Location:		*1271*	*1277*	*1277*	*1278*	*1285*	*1285*	*1285*
Sample ID:		*S-00-030802-JW-1271*	*S-00-030802-JW-1277*	*S-00-030802-JW-1277A*	*S-00-030802-JW-1278*	*S-00-031102-JW-1285*	*S-00-031102-JW-1285A*	*S-00-031102-JW-1285B*
Sample Date:		*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*
				Duplicate			*Duplicate*	
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (46000)	ND (23000)	ND (24000)	ND (39)	ND (230)	ND (220)	ND (4500)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (46000)	ND (23000)	ND (24000)	ND (39)	ND (230)	ND (220)	ND (4500)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (46000)	ND (23000)	ND (24000)	ND (39)	ND (230)	ND (220)	ND (4500)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (46000) UJ	ND (23000) UJ	ND (24000) UJ	ND (39)	ND (230)	ND (220)	ND (4500)
Aroclor-1248 (PCB-1248)	µg/Kg	220000	92000	210000	71	860	1400	5000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (46000)	ND (23000)	ND (24000)	ND (39)	ND (230)	ND (220)	ND (4500)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (46000)	11000 J	21000 J	24 J	ND (230)	ND (220)	ND (4500)
Sum of Detected PCBs (ND=0)	µg/Kg	220000 UJ	103000 UJ	231000 UJ	95 J	860	1400	5000

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*
Sample Location:		*1286*	*1286*	*1287*	*1287*	*1289*	*1290*	*1291*
Sample ID:		*S-00-031102-JW-1286*	*S-00-031102-JW-1286A*	*S-00-031102-JW-1287*	*S-00-031102-JW-1287A*	*S-00-031102-JW-1289*	*S-00-031102-JW-1290*	*S-00-031102-GS-1291*
Sample Date:		*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*
Sample Depth:		*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (500)	ND (43)	ND (6600)	ND (850)	ND (470)	ND (90)	ND (5200)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (500)	ND (43)	ND (6600)	ND (850)	ND (470)	ND (90)	ND (5200)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (500)	ND (43)	ND (6600)	ND (850)	ND (470)	ND (90)	ND (5200)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (500)	49	ND (6600)	ND (850)	ND (470)	ND (90)	ND (5200)
Aroclor-1248 (PCB-1248)	µg/Kg	7000	ND (43)	89000	9000	5700	860	36000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (500)	ND (43)	ND (6600)	ND (850)	ND (470)	ND (90)	ND (5200)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (500)	ND (43)	9600	690 J	510	86 J	3900 J
Sum of Detected PCBs (ND=0)	µg/Kg	7000	49	98600	9690 J	6210	946 J	39900

Notes

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NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*
Sample Location:		*1292*	*1294*	*1295*	*1296*	*1401*	*1402*	*1403*
Sample ID:		*S-00-031102-GS-1292*	*S-00-031102-JW-1294*	*S-00-031102-JW-1295*	*S-00-031102-GS-1296*	*S-00-031102-JW-1401*	*S-00-031102-JW-1402*	*S-00-031102-GS-1403*
Sample Date:		*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (46)	ND (2300)	ND (44)	ND (46)	ND (290)	ND (50)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (46)	ND (2300)	ND (44)	ND (46)	ND (290)	ND (50)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (46)	ND (2300)	ND (44)	ND (46)	ND (290)	ND (50)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (45)	ND (46)	ND (2300)	ND (44)	ND (46)	ND (290)	ND (50)
Aroclor-1248 (PCB-1248)	µg/Kg	30 J	ND (46)	39000	ND (44)	ND (46)	ND (290)	ND (50)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (45)	50	ND (2300)	230	96	1200	130
Aroclor-1260 (PCB-1260)	µg/Kg	ND (45)	ND (46)	3200	ND (44)	ND (46)	ND (290)	ND (50)
Sum of Detected PCBs (ND=0)	µg/Kg	30 J	50	42200	230	96	1200	130

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*
Sample Location:		*1403*	*1404*	*2062*	*2062*	*2062*	*2062*	*2062*
Sample ID:		*S-00-031102-JW-1403A*	*S-00-031102-JW-1404*	*S-073002-LM-2062*	*S-073002-LM-2062A*	*S-073002-LM-2062B*	*S-073002-LM-2062C*	*S-073002-LM-2062D*
Sample Date:		*3/11/2002*	*3/11/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*
		Duplicate			*Duplicate*			
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (44)	ND (27000)	ND (27000)	ND (8800)	ND (48000)	ND (48000)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (44)	ND (27000)	ND (27000)	ND (8800)	ND (48000)	ND (48000)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (44)	ND (27000)	ND (27000)	ND (8800)	ND (48000)	ND (48000)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (45)	ND (44)	ND (27000)	ND (27000)	68000	340000	190000
Aroclor-1248 (PCB-1248)	µg/Kg	ND (45)	220	210000	190000	ND (8800)	ND (48000)	ND (48000)
Aroclor-1254 (PCB-1254)	µg/Kg	110	ND (44)	ND (27000)	ND (27000)	ND (8800)	ND (48000)	ND (48000)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (45)	57	ND (27000)	ND (27000)	ND (8800)	ND (48000)	ND (48000)
Sum of Detected PCBs (ND=0)	µg/Kg	110	277	210000	190000	68000	340000	190000

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM)*	*P215(GM) P216(GM)*
Sample Location:		*2063*	*2063*	*2063*	*2063*	*2063*	*2063*	*1405*
Sample ID:		*S-073002-LM-2063*	*S-073002-LM-2063A*	*S-073002-LM-2063B*	*S-073002-LM-2063C*	*S-073002-LM-2063D*	*S-073002-LM-2063E*	*S-00-031102-GS-1405*
Sample Date:		*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*3/11/2002*
Sample Depth:		*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*	*(2-3)*	*(3-4)*	*(0-0.33)*
Parameter	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	150000	4100	5000	800	2800	660	ND (44)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	250
Aroclor-1260 (PCB-1260)	µg/Kg	ND (10000)	ND (430)	ND (870)	ND (220)	ND (430)	ND (87)	ND (44)
Sum of Detected PCBs (ND=0)	µg/Kg	150000	4100	5000	800	2800	660	250

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.11

ANALYTICAL RESULTS SUMMARY
PARCEL 215
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel:		***P215(GM) P415***	***P215(GM) P415***	***P215(GM) P416***
Sample Location:		***1242***	***1247***	***1659***
Sample ID:		***S-00-030702-MD-1242***	***S-00-030702-MD-1247***	***S-00-041002-GS-1659***
Sample Date:		***3/7/2002***	***3/7/2002***	***4/10/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
Parameter	***Units***			
PCBs				
Aroclor-1016 (PCB-1016)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (48)	ND (46)	ND (48)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (48)	ND (46)	ND (48)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND

Notes

J = The reported laboratory result is qualified as an estimated value

UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.12

ANALYTICAL RESULTS SUMMARY
PARCEL 216
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*
Sample Location:		*631*	*632*	*633*	*634*	*634*	*635*
Sample ID:		*S-00-012102-LM-631*	*S-00-012102-LM-632*	*S-00-012102-LM-633*	*S-00-012102-LM-634*	*S-00-012102-LM-634A*	*S-00-012102-LM-635*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (5300) UJ	ND (4400)	ND (46)	ND (6200)	ND (8900)	ND (1900)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (5300) UJ	ND (4400)	ND (46)	ND (6200)	ND (8900)	ND (1900)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (5300) UJ	ND (4400)	ND (46)	ND (6200)	ND (8900)	ND (1900)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (5300) UJ	ND (4400)	ND (46)	ND (6200)	ND (8900)	ND (1900)
Aroclor-1248 (PCB-1248)	µg/Kg	56000 J	49000	9.7 J	120000	180000	31000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (5300) UJ	ND (4400)	ND (46)	ND (6200)	ND (8900)	ND (1900)
Aroclor-1260 (PCB-1260)	µg/Kg	13000 J	8700	ND (46)	21000	43000	7100
Sum of Detected PCBs (ND=0)	µg/Kg	69000 J	57700	9.7 J	141000	223000	38100

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.12

ANALYTICAL RESULTS SUMMARY
PARCEL 216
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*
Sample Location:		*635*	*636*	*636*	*637*	*637*	*638*
Sample ID:		*S-00-012102-LM-635A*	*S-00-012102-LM-636*	*S-00-012102-LM-636A*	*S-00-012102-LM-637*	*S-00-012102-LM-637A*	*S-00-012102-LM-638*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (3800) UJ	ND (3600)	ND (8100)	ND (4500)	ND (440)	ND (44) UJ
Aroclor-1221 (PCB-1221)	µg/Kg	ND (3800) UJ	ND (3600)	ND (8100)	ND (4500)	ND (440)	ND (44) UJ
Aroclor-1232 (PCB-1232)	µg/Kg	ND (3800) UJ	ND (3600)	ND (8100)	ND (4500)	ND (440)	ND (44) UJ
Aroclor-1242 (PCB-1242)	µg/Kg	ND (3800) UJ	ND (3600)	ND (8100)	ND (4500)	ND (440)	51 J
Aroclor-1248 (PCB-1248)	µg/Kg	42000 J	47000	96000	26000	1400	ND (44) UJ
Aroclor-1254 (PCB-1254)	µg/Kg	ND (3800) UJ	ND (3600)	ND (8100)	ND (4500)	ND (440)	ND (44) UJ
Aroclor-1260 (PCB-1260)	µg/Kg	14000 J	15000	24000	9900	440	20 J
Sum of Detected PCBs (ND=0)	µg/Kg	56000 J	62000	120000	35900	1840	71 J

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.12

ANALYTICAL RESULTS SUMMARY
PARCEL 216
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*
Sample Location:		*638*	*1121*	*1293*	*1293*	*1297*
Sample ID:		*S-00-012102-LM-638A*	*S-00-022502-GS-1121*	*S-00-031102-GS-1293*	*S-00-031102-GS-1293A*	*S-00-031102-GS-1297*
Sample Date:		*1/21/2002*	*2/25/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*
Sample Depth:		*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
					Duplicate	
Parameter	***Units***					
PCBs						
Aroclor-1016 (PCB-1016)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (52)	ND (51)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (52)	ND (51)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (52)	ND (51)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (52)	ND (51)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (43)	19 J	99	63	ND (51)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (43)	ND (47)	ND (47)	ND (52)	370
Aroclor-1260 (PCB-1260)	µg/Kg	ND (43)	23 J	ND (47)	ND (52)	ND (51)
Sum of Detected PCBs (ND=0)	µg/Kg	ND	42 J	99	63	370

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.12

ANALYTICAL RESULTS SUMMARY
PARCEL 216
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*	*P216(GM)*
Sample Location:		*1298*	*1299*	*1400*	*1406*	*1407*	*1977*
Sample ID:		*S-00-031102-JW-1298*	*S-00-031102-GS-1299*	*S-00-031102-JW-1400*	*S-00-031102-GS-1406*	*S-00-031102-GS-1407*	*S-072202-JW-1977*
Sample Date:		*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*3/11/2002*	*7/22/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (250)	ND (47)	ND (87)	ND (52)	ND (48)	R
Aroclor-1221 (PCB-1221)	µg/Kg	ND (250)	ND (47)	ND (87)	ND (52)	ND (48)	R
Aroclor-1232 (PCB-1232)	µg/Kg	ND (250)	ND (47)	ND (87)	ND (52)	ND (48)	R
Aroclor-1242 (PCB-1242)	µg/Kg	ND (250)	ND (47)	ND (87)	ND (52)	ND (48)	R
Aroclor-1248 (PCB-1248)	µg/Kg	ND (250)	46 J	ND (87)	ND (52)	ND (48)	R
Aroclor-1254 (PCB-1254)	µg/Kg	1200	ND (47)	1200	170	ND (48)	67 J
Aroclor-1260 (PCB-1260)	µg/Kg	ND (250)	23 J	ND (87)	ND (52)	ND (48)	R
Sum of Detected PCBs (ND=0)	µg/Kg	1200	69 J	1200	170	ND	67 J

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.12

ANALYTICAL RESULTS SUMMARY
PARCEL 216
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		***P216(GM)***	***P216(GM)***	***P216(GM)***	***P216(GM)***	***P216(GM)***	***P216(GM)***
Sample Location:		***1978***	***1978***	***1979***	***1980***	***1981***	***1982***
Sample ID:		***S-072202-JW-1978***	***S-072202-JW-1978A***	***S-072202-JW-1979***	***S-072202-JW-1980***	***S-072202-JW-1981***	***S-072202-JW-1982***
Sample Date:		***7/22/2002***	***7/22/2002***	***7/22/2002***	***7/22/2002***	***7/22/2002***	***7/22/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***	***(0-0.33)***
			Duplicate				
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (2400)	ND (2400)	ND (2000)	ND (35)	ND (2100)	ND (43)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (2400)	ND (2400)	ND (2000)	ND (35)	ND (2100)	ND (43)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (2400)	ND (2400)	ND (2000)	ND (35)	ND (2100)	ND (43)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (2400)	ND (2400)	ND (2000)	ND (35)	ND (2100)	ND (43)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (2400)	ND (2400)	14000	ND (35)	21000	ND (43)
Aroclor-1254 (PCB-1254)	µg/Kg	12000	14000	ND (2000)	220	ND (2100)	ND (43)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (2400)	ND (2400)	ND (2000)	ND (35)	ND (2100)	ND (43)
Sum of Detected PCBs (ND=0)	µg/Kg	12000	14000	14000	220	21000	ND

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.13

ANALYTICAL RESULTS SUMMARY
PARCEL 401
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		*P401*	*P401*	*P401*	*P401*	*P401 GMPT*	*P401 GMPT*
Sample Location:		*1499*	*1500*	*1500*	*1501*	*1502*	*1506*
Sample ID:		*S-00-032602-GS-1499*	*S-00-032602-GS-1500*	*S-00-032602-GS-1500A*	*S-00-032602-GS-1501*	*S-00-032602-GS-1502*	*S-00-032602-GS-1506*
Sample Date:		*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
				Duplicate			
Parameter	***Units***						
PCBs							
Aroclor-1016 (PCB-1016)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	ND (87)	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	ND (87)	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	ND (87)	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	ND (87)	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	1100	170
Aroclor-1254 (PCB-1254)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	ND (87)	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (45)	ND (44)	ND (44)	ND (44)	480	170
Sum of Detected PCBs (ND=0)	µg/Kg	ND	ND	ND	ND	1580	340

Notes

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TABLE 3.1.13

ANALYTICAL RESULTS SUMMARY
PARCEL 401
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

AOI:		***P401 GMPT***	***P401 GMPT***
Sample Location:		***1510***	***1514***
Sample ID:		***S-00-032602-GS-1510***	***S-00-032602-GS-1514***
Sample Date:		***3/26/2002***	***3/26/2002***
Sample Depth:		***(0-0.33)***	***(0-0.33)***
Parameter	***Units***		
PCBs			
Aroclor-1016 (PCB-1016)	µg/Kg	ND (840)	ND (400)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (840)	ND (400)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (840)	ND (400)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (840)	ND (400)
Aroclor-1248 (PCB-1248)	µg/Kg	8200	1200
Aroclor-1254 (PCB-1254)	µg/Kg	ND (840)	ND (400)
Aroclor-1260 (PCB-1260)	µg/Kg	2400	250 J
Sum of Detected PCBs (ND=0)	µg/Kg	10600	1450 J

Notes

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TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*600*	*600*	*601*	*602*	*603*	*604*	*605*
Sample ID:		*S-00-012102-LM-600*	*S-00-012102-LM-600A*	*S-00-012102-LM-601*	*S-00-012102-LM-602*	*S-00-012102-LM-603*	*S-00-012102-LM-604*	*S-00-012102-LM-605*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
			Dupl of S-00-012102-LM-600					
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (1900)	ND (1900)	ND (2200)	ND (4200)	ND (510)	ND (49)	ND (430) UJ
Aroclor-1221 (PCB-1221)	µg/Kg	ND (1900)	ND (1900)	ND (2200)	ND (4200)	ND (510)	ND (49)	ND (430) UJ
Aroclor-1232 (PCB-1232)	µg/Kg	ND (1900)	ND (1900)	ND (2200)	ND (4200)	ND (510)	ND (49)	ND (430) UJ
Aroclor-1242 (PCB-1242)	µg/Kg	ND (1900)	ND (1900)	ND (2200)	ND (4200)	ND (510)	ND (49)	ND (430) UJ
Aroclor-1248 (PCB-1248)	µg/Kg	13000	12000	6000	ND (4200)	5900	310	3700 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (1900)	ND (1900)	ND (2200)	33000	ND (510)	ND (49)	ND (430) UJ
Aroclor-1260 (PCB-1260)	µg/Kg	3100	3000	1900 J	ND (4200)	2800	160	610 J
Sum of Detected PCBs (ND=0)	µg/Kg	16100	15000	7900 J	33000	8700	470	4310 UJ

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*606*	*607*	*608*	*609*	*610*	*610*	*611*
Sample ID:		*S-00-012102-LM-606*	*S-00-012102-LM-607*	*S-00-012102-LM-608*	*S-00-012102-LM-609*	*S-00-012102-LM-610*	*S-00-012102-LM-610A*	*S-00-012102-LM-611*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
							Dupl of S-00-012102-LM-610	
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4300) UJ	ND (83) UJ	ND (1100)	ND (99)	ND (95)	ND (230)	ND (47)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4300) UJ	ND (83) UJ	ND (1100)	ND (99)	ND (95)	ND (230)	ND (47)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4300) UJ	ND (83) UJ	ND (1100)	ND (99)	ND (95)	ND (230)	ND (47)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4300) UJ	ND (83) UJ	ND (1100)	ND (99)	ND (95)	ND (230)	ND (47)
Aroclor-1248 (PCB-1248)	µg/Kg	29000 J	830 J	5200	360	940	510	31 J
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4300) UJ	ND (83) UJ	ND (1100)	ND (99)	ND (95)	ND (230)	ND (47)
Aroclor-1260 (PCB-1260)	µg/Kg	6900 J	250 J	2100	130	180	ND (230)	36 J
Sum of Detected PCBs (ND=0)	µg/Kg	35900 UJ	1080 UJ	7300	490	1120	510	67 J

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*612*	*612*	*613*	*614*	*615*	*616*	*616*
Sample ID:		*S-00-012102-LM-612*	*S-00-012102-LM-612A*	*S-00-012102-LM-613*	*S-00-012102-LM-614*	*S-00-012102-LM-615*	*S-00-012102-LM-616*	*S-00-012102-LM-616A*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*
			Dupl of S-00-012102-LM-612					
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (53) UJ	ND (54)	ND (390)	ND (43)	ND (47) UJ	ND (49) UJ	ND (44)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (53) UJ	ND (54)	ND (390)	ND (43)	ND (47) UJ	ND (49) UJ	ND (44)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (53) UJ	ND (54)	ND (390)	ND (43)	ND (47) UJ	ND (49) UJ	ND (44)
Aroclor-1242 (PCB-1242)	µg/Kg	200 J	ND (54)	ND (390)	ND (43)	ND (47) UJ	110 J	ND (44)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (53) UJ	79	3700	140	ND (47) UJ	ND (49) UJ	ND (44)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (53) UJ	ND (54)	ND (390)	ND (43)	41 J	ND (49) UJ	ND (44)
Aroclor-1260 (PCB-1260)	µg/Kg	110 J	41 J	1300	90	ND (47) UJ	41 J	14 J
Sum of Detected PCBs (ND=0)	µg/Kg	310 UJ	120 J	5000	230	41 UJ	151 UJ	14 J

Notes

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NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*617*	*617*	*618*	*618*	*619*	*619*	*620*
Sample ID:		*S-00-012102-LM-617*	*S-00-012102-LM-617A*	*S-00-012102-LM-618*	*S-00-012102-LM-618A*	*S-00-012102-LM-619*	*S-00-012102-LM-619A*	*S-00-LM620*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	ND (45)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	ND (45)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	ND (45)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	ND (45)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	150
Aroclor-1254 (PCB-1254)	µg/Kg	2800	1500	11000	2800	100	ND (42)	ND (45)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (450)	ND (460)	ND (760)	ND (390)	ND (47)	ND (42)	150
Sum of Detected PCBs (ND=0)	µg/Kg	2800	1500	11000	2800	100	ND	300

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*620*	*621*	*622*	*623*	*624*	*625*	*626*
Sample ID:		*S-00-012102-LM-620A*	*S-00-012102-LM-621*	*S-00-012102-LM-622*	*S-00-012102-LM-623*	*S-00-012102-LM-624*	*S-00-012102-LM-625*	*S-00-012102-LM-626*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*
Sample Depth:		*(0.33-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (44)	ND (2100)	ND (930)	ND (48)	ND (51)	ND (95) UJ	ND (9300) UJ
Aroclor-1221 (PCB-1221)	µg/Kg	ND (44)	ND (2100)	ND (930)	ND (48)	ND (51)	ND (95) UJ	ND (9300) UJ
Aroclor-1232 (PCB-1232)	µg/Kg	ND (44)	ND (2100)	ND (930)	ND (48)	ND (51)	ND (95) UJ	ND (9300) UJ
Aroclor-1242 (PCB-1242)	µg/Kg	ND (44)	ND (2100)	ND (930)	ND (48)	ND (51)	430 J	ND (9300) UJ
Aroclor-1248 (PCB-1248)	µg/Kg	ND (44)	14000	11000	29 J	34 J	ND (95) UJ	120000 J
Aroclor-1254 (PCB-1254)	µg/Kg	190	ND (2100)	ND (930)	ND (48)	ND (51)	ND (95) UJ	ND (9300) UJ
Aroclor-1260 (PCB-1260)	µg/Kg	ND (44)	3600	2800	32 J	29 J	97 J	29000 J
Sum of Detected PCBs (ND=0)	µg/Kg	190	17600	13800	61 J	63 J	527 UJ	149000 UJ

Notes

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TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*627*	*628*	*629*	*630*	*630*	*1267*	*1267*
Sample ID:		*S-00-012102-LM-627*	*S-00-012102-LM-628*	*S-00-012102-LM-629*	*S-00-012102-LM-630*	*S-00-012102-LM-630A*	*S-00-030802-JW-1267*	*S-00-030802-JW-1267A*
Sample Date:		*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*1/21/2002*	*3/8/2002*	*3/8/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
						Dupl of S-00-012102-LM-630		*Dupl of S-00-030802-JW-1267*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4400)	ND (48)	ND (48)	ND (2500)	ND (4300)	ND (220)	ND (88)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4400)	ND (48)	ND (48)	ND (2500)	ND (4300)	ND (220)	ND (88)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4400)	ND (48)	ND (48)	ND (2500)	ND (4300)	ND (220)	ND (88)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4400)	ND (48)	ND (48)	ND (2500)	ND (4300)	ND (220)	ND (88)
Aroclor-1248 (PCB-1248)	µg/Kg	38000	35 J	63	35000	39000	1700	830
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4400)	ND (48)	ND (48)	ND (2500)	ND (4300)	ND (220)	ND (88)
Aroclor-1260 (PCB-1260)	µg/Kg	9400	38 J	58	12000	14000	330	230
Sum of Detected PCBs (ND=0)	µg/Kg	47400	73 J	121	47000	53000	2030	1060

Notes

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TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1268*	*1269*	*1270*	*1272*	*1273*	*1274*	*1275*
Sample ID:		*S-00-030802-JW-1268*	*S-00-030802-JW-1269*	*S-00-030802-JW-1270*	*S-00-030802-JW-1272*	*S-00-030802-JW-1273*	*S-00-030802-JW-1274*	*S-00-030802-JW-1275*
Sample Date:		*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/8/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (930)	ND (190)	ND (83)	ND (9500)	ND (54000)	ND (42)	ND (840)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (930)	ND (190)	ND (83)	ND (9500)	ND (54000)	ND (42)	ND (840)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (930)	ND (190)	ND (83)	ND (9500)	ND (54000)	ND (42)	ND (840)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (930) UJ	ND (190)	ND (83)	89000	ND (54000)	ND (42)	ND (840)
Aroclor-1248 (PCB-1248)	µg/Kg	6100	2600	810	ND (9500)	920000	270	11000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (930)	ND (190)	ND (83)	ND (9500)	ND (54000)	ND (42)	ND (840)
Aroclor-1260 (PCB-1260)	µg/Kg	2500	260	70 J	ND (9500)	41000 J	40 J	1500
Sum of Detected PCBs (ND=0)	µg/Kg	8600 UJ	2860	880 J	89000	961000 J	310 J	12500

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1276*	*1279*	*1280*	*1288*	*1288*	*1928*	*1928*
Sample ID:		*S-00-030802-JW-1276*	*S-00-030802-JW-1279*	*S-00-030802-JW-1280*	*S-00-031102-LM-1288*	*S-00-031102-LM-1288A*	*S-061002-GS-1928*	*S-061002-GS-1928A*
Sample Date:		*3/8/2002*	*3/8/2002*	*3/8/2002*	*3/11/2002*	*3/11/2002*	*6/10/2002*	*6/10/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-2)*	*(0-0.33)*	*(0-0.33)*
								Dupl of S-061002-GS-1928
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (420)	ND (44)	ND (49)	ND (9200)	ND (440)	ND (83)	ND (82)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (420)	ND (44)	ND (49)	ND (9200)	ND (440)	ND (83)	ND (82)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (420)	ND (44)	ND (49)	ND (9200)	ND (440)	ND (83)	ND (82)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (420)	ND (44)	ND (49)	ND (9200)	ND (440)	ND (83)	ND (82)
Aroclor-1248 (PCB-1248)	µg/Kg	3000	ND (44)	43 J	99000	4500	360	420
Aroclor-1254 (PCB-1254)	µg/Kg	ND (420)	65	ND (49)	ND (9200)	ND (440)	ND (83)	ND (82)
Aroclor-1260 (PCB-1260)	µg/Kg	530	ND (44)	18 J	9100 J	410 J	82 J	110
Sum of Detected PCBs (ND=0)	µg/Kg	3530	65	61 J	108100 J	4910 J	442 J	530

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1929*	*1930*	*1931*	*1932*	*1933*	*1934*	*1935*	*1936*
Sample ID:		*S-061002-JW-1929*	*S-061002-JW-1930*	*S-061002-GS-1931*	*S-061002-GS-1932*	*S-061002-GS-1933*	*S-061002-JW-1934*	*S-061002-GS-1935*	*S-061002-GS-1936*
Sample Date:		*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (4300)	ND (730)	ND (23000)	ND (470)	ND (1800)	ND (87000)	ND (9100)	ND (1900)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (4300)	ND (730)	ND (23000)	ND (470)	ND (1800)	ND (87000)	ND (9100)	ND (1900)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (4300)	ND (730)	ND (23000)	ND (470)	ND (1800)	ND (87000)	ND (9100)	ND (1900)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (4300)	ND (730)	ND (23000)	ND (470)	ND (1800)	ND (87000)	ND (9100)	ND (1900)
Aroclor-1248 (PCB-1248)	µg/Kg	27000	4800	130000	3500	13000	650000	79000	12000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (4300)	ND (730)	ND (23000)	ND (470)	ND (1800)	ND (87000)	ND (9100)	ND (1900)
Aroclor-1260 (PCB-1260)	µg/Kg	2800 J	1100	12000 J	800	1800	61000 J	7200 J	1600 J
Sum of Detected PCBs (ND=0)	µg/Kg	29800 J	5900	142000 J	4300	14800	711000 J	86200 J	13600 J

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1937*	*1938*	*1938*	*1939*	*1940*	*1941*	*1942*	*1983*
Sample ID:		*S-061002-GS-1937*	*S-061002-JW-1938*	*S-061002-JW-1938A*	*S-061002-GS-1939*	*S-061002-JW-1940*	*S-061002-GS-1941*	*S-061002-GS-1942*	*S-072202-JW-1983*
Sample Date:		*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*7/22/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
				Dupl of S-061002-JW-1938					
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (3900)	ND (8700)	ND (2100)	ND (720)	ND (500)	ND (7800)	ND (840)	ND (4300)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (3900)	ND (8700)	ND (2100)	ND (720)	ND (500)	ND (7800)	ND (840)	ND (4300)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (3900)	ND (8700)	ND (2100)	ND (720)	ND (500)	ND (7800)	ND (840)	ND (4300)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (3900)	ND (8700)	ND (2100)	ND (720)	ND (500)	ND (7800)	ND (840)	ND (4300)
Aroclor-1248 (PCB-1248)	µg/Kg	ND (3900)	88000	12000	5200	1700	100000	5200	35000
Aroclor-1254 (PCB-1254)	µg/Kg	31000	ND (8700)	ND (2100)	ND (720)	ND (500)	ND (7800)	ND (840)	ND (4300)
Aroclor-1260 (PCB-1260)	µg/Kg	ND (3900)	9700	2100	640 J	270 J	11000	890	ND (4300)
Sum of Detected PCBs (ND=0)	µg/Kg	31000	97700	14100	5840 J	1970 J	111000	6090	35000

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*2061*	*2061*	*2061*	*2061*	*1503*	*1504*	*1505*
Sample ID:		*S-073002-LM-2061*	*S-073002-LM-2061A*	*S-073002-LM-2061B*	*S-073002-LM-2061C*	*S-00-032602-GS-1503*	*S-00-032602-GS-1504*	*S-00-032602-GS-1505*
Sample Date:		*7/30/2002*	*7/30/2002*	*7/30/2002*	*7/30/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*
Sample Depth:		*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (38)	ND (36)	ND (35)	ND (36)	ND (980)	ND (47)	ND (48)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (38)	ND (36)	ND (35)	ND (36)	ND (980)	ND (47)	ND (48)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (38)	ND (36)	ND (35)	ND (36)	ND (980)	ND (47)	ND (48)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (38)	ND (36)	ND (35)	ND (36)	ND (980)	ND (47)	ND (48)
Aroclor-1248 (PCB-1248)	µg/Kg	260	ND (36)	ND (35)	35 J	8800	31 J	ND (48)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (38)	ND (36)	ND (35)	ND (36)	ND (980)	ND (47)	ND (48)
Aroclor-1260 (PCB-1260)	µg/Kg	64	ND (36)	ND (35)	ND (36)	1700	ND (47)	ND (48)
Sum of Detected PCBs (ND=0)	µg/Kg	324	ND	ND	35 J	10500	31 J	ND

Notes

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R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1507*	*1508*	*1509*	*1509*	*1511*	*1512*	*1513*
Sample ID:		*S-00-032602-GS-1507*	*S-00-032602-GS-1508*	*S-00-032602-GS-1509*	*S-00-032602-GS-1509A*	*S-00-032602-GS-1511*	*S-00-032602-GS-1512*	*S-00-032602-GS-1513*
Sample Date:		*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*	*3/26/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
					Dupl of S-00-032602-GS-1509			
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	µg/Kg	ND (46)	ND (45)	ND (450)	ND (220)	ND (47)	ND (2200)	ND (480)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (46)	ND (45)	ND (450)	ND (220)	ND (47)	ND (2200)	ND (480)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (46)	ND (45)	ND (450)	ND (220)	ND (47)	ND (2200)	ND (480)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (46)	ND (45)	ND (450)	ND (220)	ND (47)	ND (2200)	ND (480)
Aroclor-1248 (PCB-1248)	µg/Kg	500	230	2000	1100	230	14000	ND (480)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (46)	ND (45)	ND (450)	ND (220)	ND (47)	ND (2200)	4600
Aroclor-1260 (PCB-1260)	µg/Kg	220	62	310 J	200 J	64	1800 J	ND (480)
Sum of Detected PCBs (ND=0)	µg/Kg	720	292	2310 J	1300 J	294	15800 J	4600

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*1515*	*1516*	*1517*	*2070*	*2070*	*2070*	*2070*	*2070*
Sample ID:		*S-00-032602-GS-1515*	*S-00-032602-GS-1516*	*S-00-032602-GS-1517*	*S-073102-BT-2070*	*S-073102-BT-2070A*	*S-073102-BT-2070B*	*S-073102-BT-2070C*	*S-073102-BT-2070D*
Sample Date:		*3/26/2002*	*3/26/2002*	*3/26/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*
Sample Depth:		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*
						Duplicate			
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (460)	ND (69)	ND (46)	ND (82)	ND (210)	ND (40)	ND (43)	ND (42)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (460)	ND (69)	ND (46)	ND (82)	ND (210)	ND (40)	ND (43)	ND (42)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (460)	ND (69)	ND (46)	ND (82)	ND (210)	ND (40)	ND (43)	ND (42)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (460)	ND (69)	ND (46)	ND (82)	ND (210)	ND (40)	ND (43)	ND (42)
Aroclor-1248 (PCB-1248)	µg/Kg	3000	770	130	320	540	23 J	71	ND (42)
Aroclor-1254 (PCB-1254)	µg/Kg	ND (460)	ND (69)	ND (46)	ND (82)	ND (210)	ND (40)	ND (43)	ND (42)
Aroclor-1260 (PCB-1260)	µg/Kg	820	180	47	180	250	11 J	27 J	ND (42)
Sum of Detected PCBs (ND=0)	µg/Kg	3820	950	177	500	790	34 J	98 J	ND

Notes

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UJ = The analyte was not detected above the sample reporting detection limit. The reported detection limit is an estimated quantity.

R = Rejected

NA = Not Applicable

TABLE 3.1.14

ANALYTICAL RESULTS SUMMARY
AREA NORTH OF AOI 4
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Sample Location:		*2071*	*2071*	*2071*	*2071*	*2072*	*2072*	*2072*	*2072*
Sample ID:		*S-073102-BT-2071*	*S-073102-BT-2071A*	*S-073102-BT-2071B*	*S-073102-BT-2071C*	*S-073102-BT-2072*	*S-073102-BT-2072A*	*S-073102-BT-2072B*	*S-073102-BT-2072C*
Sample Date:		*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*	*7/31/2002*
Sample Depth:		*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*	*(0-0.33)*	*(0.33-1)*	*(1-1.5)*	*(1.5-2)*
Parameters	***Units***								
PCBs									
Aroclor-1016 (PCB-1016)	µg/Kg	ND (1800)	ND (1800)	ND (1800)	ND (20000)	ND (3600)	ND (360000)	ND (370000)	ND (1900)
Aroclor-1221 (PCB-1221)	µg/Kg	ND (1800)	ND (1800)	ND (1800)	ND (20000)	ND (3600)	ND (360000)	ND (370000)	ND (1900)
Aroclor-1232 (PCB-1232)	µg/Kg	ND (1800)	ND (1800)	ND (1800)	ND (20000)	ND (3600)	ND (360000)	ND (370000)	ND (1900)
Aroclor-1242 (PCB-1242)	µg/Kg	ND (1800)	ND (1800)	ND (1800)	ND (20000)	ND (3600)	ND (360000)	ND (370000)	ND (1900)
Aroclor-1248 (PCB-1248)	µg/Kg	12000	14000	13000	120000	17000	1100000	820000	19000
Aroclor-1254 (PCB-1254)	µg/Kg	ND (1800)	ND (1800)	ND (1800)	ND (20000)	ND (3600)	ND (360000)	ND (370000)	ND (1900)
Aroclor-1260 (PCB-1260)	µg/Kg	2500	2700	2300	26000	3500 J	270000 J	190000 J	3800
Sum of Detected PCBs (ND=0)	µg/Kg	14500	16700	15300	146000	20500 J	1370000 J	1010000 J	22800

Notes

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R = Rejected

NA = Not Applicable

TABLE 4.1

ESTIMATED VOLUME OF WASTE MATERIAL EXCAVATED
UPSTREAM PARCELS REMOVAL ACTION CONSTRUCTION CERTIFICATION REPORT
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel	*Excavated Volume (cubic yards)*	*Excavated Tonnage (tons)*
3	2,524	3,534
4	921	1,289
5	641	897
6	1,143	1,600
7	219	307
8	1,329	1,861
10	397	556
11	719	1,007
12	45	63
205	859	1,203
215	1,338	1,873
216 (West of Bailey Scales Road)	4,642	6,499
401	5,342	7,479
Area North of AOI 4	6982	9774.8

Notes:

1. Volumes were calculated using AutoCAD LandDesktop®.
2. Excavation volumes were completed by comparing the pre-excavation survey to the final excavation survey.
3. Used conversion of 1 cubic yard = 1.4 tons in tonnage conversion tons

TABLE 4.2

ESTIMATED TONNAGE OF WASTE MATERIAL
(SOIL AND BEDROCK REMOVED)
UPSTREAM PARCELS REMOVAL ACTION CONSTRUCTION CERTIFICATION REPORT
GM POWERTRAIN BEDFORD FACILITY

	Volume Estimate [1]	*Estimated Tonnage of Soil Removed* [2]		
Upstream Parcels	*Cubic Yards*	*< 50 mg/kg*	*> 50 mg/kg*	*Total*
3	2,524	-	4,485	4,485.4
4	921	43	2,169	2,212.5
5	641	30	1,266	1,296.6
6	1,143	54	1,329	1,383.0
7[3]	219	118	332	450.6
8	1,329	718	2,016	2,734.2
10	397	215	602	816.8
11	719	2,215	1,015	3,229.4
12	45	139	122	260.8
205	859	1,794	1,647	3,440.6
215	1,338	1,932	1,954	3,885.4
216 (West of Bailey Scales Road)	4,642	6,702	6,778	13,479.8
401	5,342	8,338	9,638	17,975.6
Area North of AOI 4	6,982	10,080	11,381	21,461.4
TOTALS	27,102			77,112.0

Notes:

1) Volume Estimate calculated from final excavation survey data and pre-excavation survey using AutoCAD LandDesktop®.

2) Estimate based on actual tonnages from disposal log. Sources listed in log with combined waste sources (i.e., waste sourced from multiple parcels) were distributed using a weighted average by the estimated volume removed (see Note 1).

3) No entry for Parcel 7 in disposal log. Estimate approximated from Parcel 8.

TABLE 4.3

ESTIMATED VOLUME OF SOIL BACKFILLED
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel	*Backfill Volume (tons)*
3	1,370.6
4	844.2
5	550.2
6	876.4
7	124.4
8	1,605.8
10	370.0
11	1,520.4
12	306.6
205	835.8
215	2,589.0
216	5,769.0
401	8,339.8
Area North of AOI 4	13,902.0

Notes:

1. Volumes were calculated using AutoCAD LandDeveloper®.
2. Backfill volumes were calculated by comparing the final excavation survey to the backfill survey.
3. Used conversion of 1 cubic yard = 1.4 tons to get quantity in tons
4. Construction activities are on-going, therefore, changes to the site grading and restoration are anticipated.

TABLE 5.1

TREE/VEGETATION SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Upstream Parcels	*Number of trees/seedlings installed*	*Number of shrubs installed*	*Other*
3	-	-	grass/wildflower seed mix and slope forest seed mix
4	173	20	lawn area seed mix and dry to mesic prairie seed mix
5	62	16	riparian corridor forest seed mix and dry to mesic prairie seed mix
6	8	-	riparian corridor forest seed mix and dry to mesic prairie seed mix
7	-	-	-
8 thru 12	248	44	slope forest seed mix, riparian forest seed mix and grassy/forb bench seed mix
205	-	-	grass/wildflower seed mix and slope forest seed mix
215	-	-	lawn seed
216 (West of Bailey Scales Road)	-	-	lawn seed
401	6	33	lawn seed
Area North of AOI 4	-	-	lawn seed

TABLE 6.1

MASTER UPSTREAM 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]	*Number of Trees/ Seedlings Installed*	*Number of Shrubs Installed*	*Other*
3	93	3,534	1,371	-	-	grass/wildflower seed mix and slope forest seed mix
4	170	1,289	844	173	20	lawn area seed mix and dry to mesic prairie seed mix
5	56	897	550	62	16	riparian corridor forest seed mix and dry to mesic prairie seed mix
6	54	1,600	876	8	0	riparian corridor forest seed mix and dry to mesic prairie seed mix
7	18	307	124	-	-	-
8	102	1,861	1,606	248 (Parcels 8 -12)	44 (Parcels 8 - 12)	slope forest seed mix, riparian forest seed mix and grassy/forb bench seed mix
10	60	556	370	248 (Parcels 8 -12)	44 (Parcels 8 - 12)	grass/wildflower seed mix and slope forest seed mix
11	148	1,007	1,520	248 (Parcels 8 -12)	44 (Parcels 8 - 12)	lawn seed
12	29	63	307	248 (Parcels 8 -12)	44 (Parcels 8 - 12)	lawn seed
205	56	1,203	836	-	-	lawn seed
215	80	1,873	2589	-	-	lawn seed
216 (West of Bailey Scales Road)	116	6,499	5,769	-	-	lawn seed planted
401	67	7,479	8,340	6	33	lawn seed planted
Area North of AOI4	178	9,775	13,902	-	-	lawn seed planted

Note:

1. Quantities of Soil Excavated and Backfilled were calculated using Autodesk LandDesktop®.

APPENDIX A

PHOTOGRAPHIC LOG

PHOTO No.1, PARCEL 3: INVESTIGATION SOIL SAMPLING (MAY 2002)

PHOTO No.2, PARCEL 3: MOBILIZATION ON PARCEL 3 CREEK ALIGNMENT, FACING UPSTREAM (WEST) (SEP. 2003)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.3, PARCEL 3: EXCAVATION AND ROCK BREAKING, FACING DOWNSTREAM (EAST) (OCT. 2003)

PHOTO No.4, PARCEL 3: ROCK BREAKING ALONG CREEK ALIGNMENT FACING DOWNSTREAM (EAST) (NOV. 2003)

PHOTO No.5, PARCEL 3: UPSTREAM (WEST) ALONG EXCAVATED CREEK ALIGNMENT (JAN. 2004)

PHOTO No.6, PARCEL 3: CLEANED EXCAVATION AND INSTALLATION OF SOME SITE SOURCE CONTROL FEATURES FACING DOWNSTREAM (EAST) (APR. 2004)

PHOTO No.7, PARCEL 3: RESTORED PARCEL 3 AND 205, FACING DOWNSTREAM (EAST) (NOV. 2004)

PHOTO No.8, PARCEL 3: UPSTREAM (WEST) ALONG RESTORED FORMER CREEK ALIGNMENT (APR. 2006)

PHOTO No.9, PARCEL 205: MOBILIZATION AT OUTFALL 002 ON PARCEL 205 (MAY 2002)

PHOTO No.10, PARCEL 205: TRENCH 1 EXCAVATION ALONG PARCEL 205 SIDEWALL (NOV. 2003)

PHOTO No.11, PARCEL 205: GRADING BACKFILL IN PARCELS 3 AND 205 RESTORATION (AUG. 2004)

PHOTO No.12, PARCEL 205: POST-BACKFILLING ON PARCEL 205 FACING SOUTH LOOKING TOWARD PARCEL 3 AND 4 (MAR. 2005)

PHOTO No.13, PARCEL 4: PRE-EXCAVATION CONDITIONS FROM FOOTBRIDGE LOOKING DOWNSTREAM (NORTHEAST) (SEP. 2003)

PHOTO No.14, PARCEL 4: MOBILIZATION ON PARCEL 4, FACING DOWNSTREAM (EAST) ALONG CLEARED CREEK ALIGNMENT (SEP. 2003)

PHOTO No.15, PARCEL 4: EXCAVATION WORK ON PARCEL 4 PROGRESSING DOWNSTREAM (NORTHEAST) (MAR. 2004)

PHOTO No.16, PARCEL 4: BACKFILL PROGRESS ON PARCEL 4 (JUL. 2004)

PHOTO No.17, PARCEL 4: BACKFILL AND ROUGHBACK PLACEMENT ALONG CREEK ALIGNMENT (SEP. 2004)

PHOTO No.18, PARCEL 4: RESTORED CREEK ALIGNMENT (APR. 2005)

PHOTO No.19, PARCEL 4: RESTORED CREEK ALIGNMENT (NOV. 2005)

PHOTO No.20, PARCEL 4: POST-RESTORATION CONDITION FROM BRIDGE FACING DOWNSTREAM (NORTHEAST) (JUL. 2006)

CONSTRUCTION CERTIFICATE REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

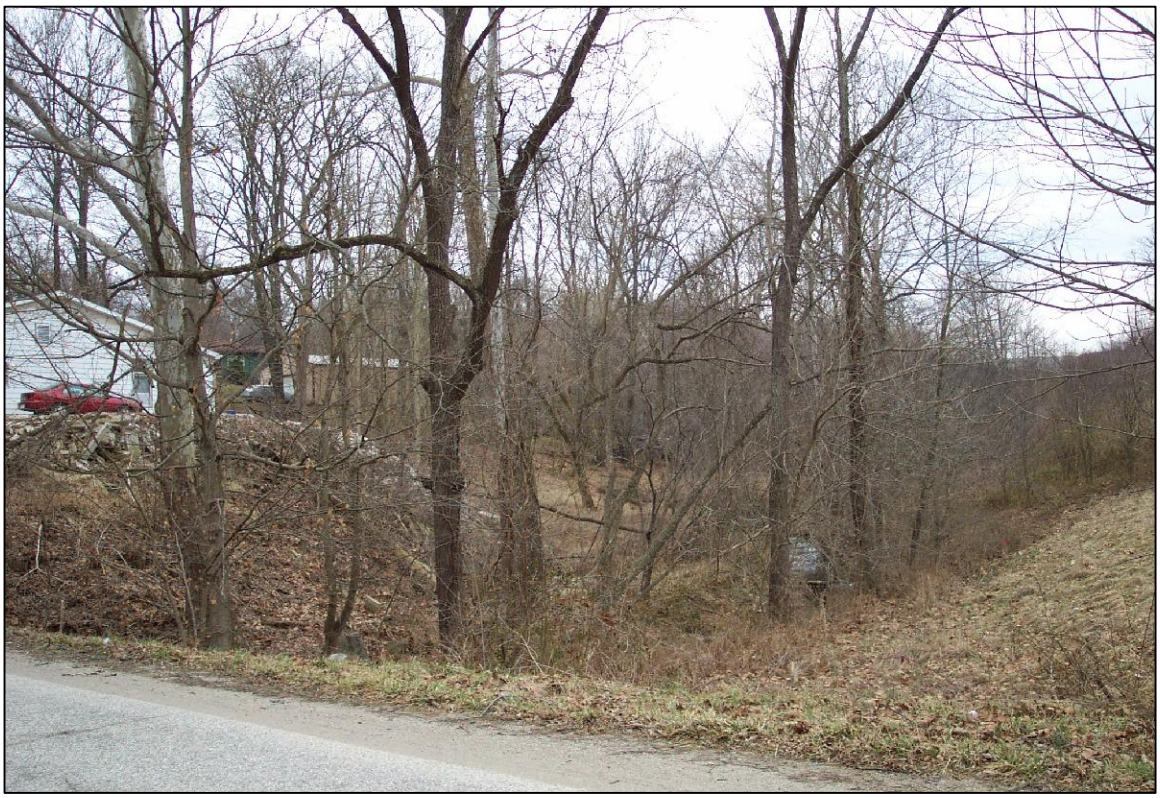

PHOTO No.21, PARCEL 5: PRE-EXCAVATION CONDITIONS FACING (UPSTREAM) WEST FROM BAILEY SCALES ROAD (MAR. 2003)

PHOTO No.22, PARCEL 5: MOBILIZATION ON PARCEL 5 AND 6 FROM BAILEY SCALES ROAD (OCT. 2003)

PHOTO No.23, PARCEL 5: EXCAVATED CREEK CHANNEL FACING UPSTREAM (WEST) ALONG CREEK ALIGNMENT (FEB. 2004)

PHOTO No.24, PARCEL 5: BROKEN OUT FRACTURE LOOKING DOWNSTREAM ALONG PARCEL 5 & 6 ALIGNMENT (MAR. 2004)

PHOTO No.25, PARCEL 5: CRACK FILLING ALONG PARCEL 5 AND 6 CREEK ALIGNMENT (APR. 2004)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.26, PARCEL 5: VERIFICATION SOIL SAMPLING PARCEL 5 AND 6 EXCAVATION LIMITS (JUN. 2004)

PHOTO No.27, PARCEL 5: GRADING BACKFILL IN PARCEL 5 AND 6 RESTORATION (OCT. 2004)

PHOTO No.28, PARCEL 5: BACKFILLED CREEK ALIGNMENT ALONG PARCEL 5 AND 6 (OCT. 2004)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
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PHOTO No.29, PARCEL 5: COMPLETED RESTORATION INSTALLATION (JAN. 2005)

PHOTO No.30, PARCEL 5: COMPLETED RESTORATION IN FULL BLOOM (SEP. 2005)

PHOTO No.31, PARCELS 5: COMPLETED RESTORATION AT ONSET OF FALL (JUN. 2006)

PHOTO No.32, PARCELS 5 & 8: MOBILIZATION ALONG PARCEL 5 AND 8 FACING UPSTREAM (SOUTHWEST) TOWARDS BAILEY SCALES ROAD (MAR. 2004)

PHOTO No.33, PARCELS 5 & 8: FACING UPSTREAM (SOUTHWEST) TOWARDS CULVERT AT BAILEY SCALES ROAD ALONG EXCAVATED AND CLEANED CREEK ALIGNMENT (JUL. 2004)

PHOTO No.34, PARCEL 5 & 8: INSTALLATION OF EROSION CONTROL MATS ALONG PARCELS 5 AND 8 (FEB. 2005)

PHOTO No.35, PARCELS 5 & 8: RESTORED WALL ON PARCEL 5 AT BAILEY SCALES CULVERT (JUN. 2006)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
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PHOTO No.36, PARCELS 7 & 8: FACING DOWNSTREAM (NORTHEAST) TOWARDS PIPE CROSSING CREEK AT PARCEL 7 AND 8

PHOTO No.37, PARCELS 7 & 8: EXCAVATED CREEK CHANNEL FACING DOWNSTREAM (NORTHEAST) (JUL. 2004)

PHOTO No.38, PARCELS 7 & 8: RESTORED CREEK ALIGNMENT FACING DOWNSTREAM (NORTHEAST) (SEP. 2005)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.39, PARCELS 8 & 10: LOOKING UPSTREAM ALONG CHANNEL PRE-REMOVAL (JUN. 2003)

PHOTO No.40, PARCELS 8 & 10: LOOKING DOWNSTREAM ALONG CHANNEL PRE-REMOVAL (JUN. 2003)

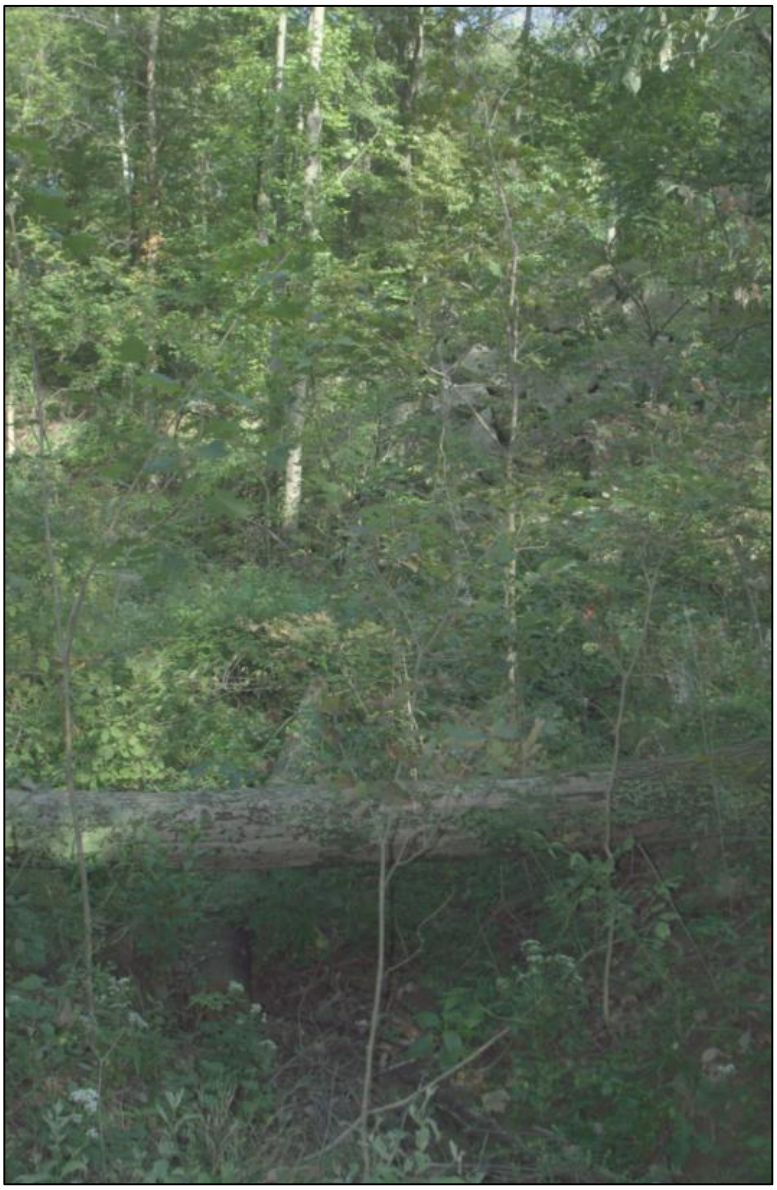

PHOTO No.41, PARCELS 8 & 10: LOOKING DOWNSTREAM PRE-CONSTRUCTION ACTIVITIES (SEP. 2003)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.42, PARCELS 8 & 10: LOOKING DOWNSTREAM ALONG CHANNEL EXCAVATION (JUL. 2004)

PHOTO No.43, PARCELS 8 & 10: LOOKING DOWNSTREAM ALONG CHANNEL EXCAVATION (JUL. 2004)

PHOTO No.44, PARCELS 8 & 10:POWERWASHING CREEKBED (AUG. 2004)

PHOTO No.45, PARCELS 8 & 10: LOOKING DOWNSTREAM DURING RESTORATION (JAN. 2005)

PHOTO No.46, PARCELS 8 & 10: RESTORED CREEK FACING DOWNSTREAM; FASCINE BUNDLE IN THE FOREGROUND (FEB. 2005)

PHOTO No.47, PARCELS 8 & 10: LOOKING UPSTREAM ACROSS ROOT WAD AND POND FEATURE (APR. 2005)

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PHOTO No.49, PARCELS 11 & 12: LOOKING DOWNSTREAM PRE-CONSTRUCTION ACTIVITIES (MAR. 2003)

CONSTRUCTION CERTIFICATION REPORT
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GM POWERTRAIN BEDFORD FACILITY
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PHOTO No.50, PARCELS 11 & 12: LOOKING UPSTREAM PRE-CONSTRUCTION ACTIVITIES (SEP. 2003)

CONSTRUCTION CERTIFICATION REPORT
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GM POWERTRAIN BEDFORD FACILITY
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PHOTO No.51, PARCELS 11 & 12: LOOKING DOWN INTO CREEK PRE-CONSTRUCTION (SEP. 2003)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
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Bedford, Indiana

PHOTO No.52, PARCELS 11 & 12: LOOKING UPSTREAM. CONSTRUCTION MOBILIZATION ONGOING (APR. 2004)

PHOTO No.53, PARCELS 11 & 12: WASHED CREEKBED FACING DOWNSTREAM (AUG. 2004)

CONSTRUCTION CERTIFICATION REPORT
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GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.54, PARCELS 11 & 12: ONGOING RESTORATION OF QUARRY PARCEL 11 REGION (NOV. 2004)

PHOTO No.55, PARCELS 11 & 12: LOOKING DOWNSTREAM ALONG CREEK EXCAVATION (NOV. 2004)

PHOTO No.56, PARCELS 11 & 12: RESTORATION BACKFILLING (JAN. 2005)

PHOTO No.57, PARCELS 11 & 12: RESTORED PARCELS; LOG FEATURE IN FOREGROUND, RIFFLE FEATURE IN CREEK (MAY 2005)

PHOTO No.58, PARCELS 11 & 12: RESTORED CREEK BESIDE THE QUARRY (MAY 2005)

PHOTO No.59, PARCELS 11 & 12: RESTORED CREEK LOOKING DOWNSTREAM (SEP. 2005)

PHOTO No.60, QUARRY: LOOKING DOWN INTO QUARRY PRE-CONSTRUCTION (CIRCA. 2002)

PHOTO No.61, QUARRY: LOWER QUARRY PRE-CONSTRUCTION LOOKING EAST ACROSS THE CREEK (AUG. 2004)

PHOTO No.62, QUARRY: LOOKING DOWN INTO QUARRY DURING CONSTRUCTION ACTIVITIES (SEP. 2004)

PHOTO No.63, QUARRY: CLEANED QUARRY EXCAVATION (SEP. 2004)

PHOTO No.64, QUARRY: ONGOING EXCAVATION IN THE LOWER QUARRY (SEP. 2004)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

PHOTO No.65, QUARRY: RESTORATION WORK AROUND THE QUARRY. QUARRY PIT IS FENCED OFF (JAN. 2005)

PHOTO No.66, QUARRY: RESTORED LOWER QUARRY (SEP. 2005)

PHOTO No.67, PARCEL 401: EAST BANK FILL AREA ON PARCEL 401 (SEP. 2003)

PHOTO No.68, PARCEL 401: EAST BANK FILL AREA ON PARCEL 401 (SEP. 2003)

PHOTO No.69, PARCEL 401: EXCAVATION OF PARCEL 401 FILL AREA (FEB. 2004)

PHOTO No.70, PARCEL 401: EXCAVATION OF FILL AREA (MAR. 2004)

PHOTO No.71, PARCEL 401: EXCAVATION OF FILL AREA (APR. 2004)

PHOTO No.72, PARCEL 401: EXCAVATION OF PARCEL 401 FILL AREA (MAY 2004)

PHOTO No.73, PARCEL 401: BACKFILLED CREEK ALIGNMENT ALONG PARCEL 401 AND AOI 4 (JUL. 2004)

PHOTO No.74, PARCEL 401: RESTORED PARCEL 401 FILL AREA (SEP. 2004)

PHOTO No.75, N AOI 4: FACING CREEK LOOKING NORTHEAST DOWN AOI 4 SLOPE (SEP. 2002)

PHOTO No.76, N AOI 4: LOOKING ALONG APPROXIMATE CREEK ALIGNMENT (MAR. 2003)

PHOTO No.77, N AOI 4: CREEK CONDITIONS PRIOR TO REMOVAL ACTION (MAR. 2003)

PHOTO No.78, N AOI 4: LOOKING WEST ALONG CREEK ALIGNMENT PRIOR TO EXCAVATION (NOV. 2003)

PHOTO No.79, N AOI 4: LOOKING ALONG CLEARED CREEK ALIGNMENT FACING EAST (APR. 2004)

PHOTO No.80, N AOI 4: EXCAVATION PROGRESS LOOKING EAST ALONG CREEK ALIGNMENT (AUG. 2004)

PHOTO No.81, N AOI 4: EXCAVATION LOOKING WEST AT DAM (AUG. 2004)

PHOTO No.82, N AOI 4: BACKFILLING EXCAVATION SEPARATING BEDROCK FROM CHANNEL WITH LINER (AUG. 2004)

PHOTO No.83, N AOI 4: RESTORATION PROGRESS LOOKING WEST TOWARDS AOI 4 ALONG CREEK CHANNEL (NOV. 2003)

PHOTO No.84, N AOI 4: CREEK RESTORATION LOOKING EAST TOWARD BAILEY SCALES ROAD (AUG. 2005)

PHOTO No.85, N AOI 4: CREEK RESTORATION LOOKING WEST FROM BAILEY SCALES ROAD (AUG. 2005)

CONSTRUCTION CERTIFICATION REPORT
UPSTREAM PARCELS REMOVAL ACTION
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

APPENDIX B

LANDSCAPING AND TREE/SHRUB REPLACEMENT PLANS

PARCEL 4 CRANE AGREEMENT
PARCEL 6 HAMMOND AGREEMENT
PARCEL 401 HENDERSON AGREEMENT

PARCEL 4 CRANE AGREEMENT

Attachment A

Landscaping & Tree/Shrub Replacement Plan

A total of 25 trees of various sizes will be planted according to the general layout provided in Figure 1. The nominal diameter of the tree trunks will vary from less than 1 to at least 5 inches. A total of 4 trees shall have a nominal diameter of at least 5 inches, 11 trees shall have a nominal diameter of at least 2 to 3 inches and 10 trees shall have a nominal diameter of at least 0.75 to 1 inch. The types of trees planted shall be selected from the list below, based on availability at the time of planting; however, at least 5 different varieties shall be selected. In the event that more than 25 trees of 3 inches or greater diameter are removed as a result of the Removal Action work on the Property, GM will replace each of such trees with a seedling selected from the list below; however, if feasible, at least 5 different varieties shall be selected. All replacement trees will be monitored for a period of 3 years. If at the end of the monitoring period the number of surviving trees and any volunteers which have established themselves since the completion of the replanting program is less than the number of trees replanted, then to the extent of such difference GM shall replant seedlings selected in the manner described above.

Common Name	**Scientific Name**	**Comments**
Box Elder	*Acer negundo*	Fast growing/wet habitat
Red Maple	*Acer rubrum*	Relatively Fast growing/wet habitat
Silver Maple	*Acer saccharinum*	Fast growing/moist soil
Shellbark Hickory	*Carya lacinosa*	Slow growing/bottomland
Bitternut Hickory	*Carya cordiformis*	
Green Ash	*Fraxinus pennsylvanicus*	Moderately fast growing/moist soil
Black Walnut	*Juglans nigra*	Slow growing/well-drained soil
Sweet Gum	*Liquidambar styraciflua*	Fast growing/moist bottomland soil
Blackgum	*Nyssa sylvatica*	Tolerates short-term flooding
American Sycamore	*Platanus occidentalis*	Fast growing/bottomland soil
Black Cherry	*Prunus serotina*	Moderate rainfall/well-drained soil
Shingle Oak	*Quercus imbricaria*	
Shumard Oak	*Quercus shumardii*	Moist, well drained soil
Bur Oak	*Quercus macrocarpa*	Moist soil/intolerant of flooding
Pin Oak	*Quercus palustris*	Wet bottomland habitat

A total of 10 shrubs from the following list shall also be planted.

Common Name	**Scientific Name**
Spicebush	*Lindera benzoin*
Elderberry	*Sambucus canadensis*
Blackhaw	*Viburnum prunifolium*
Gray Dogwood	*Cornus racemosa*
Indigobush	*Amorpha fruticosa*

PARCEL 6 HAMMOND AGREEMENT

Attachment A

Landscaping & Tree/Shrub Replacement Plan

A total of 20 trees of various sizes will be planted according to the general layout provided in Figure 1. The nominal diameter of the tree trunks will vary from less than 1 to at least 5 inches. A total of 5 trees shall have a nominal diameter of at least 5 inches, 5 trees shall have a nominal diameter of at least 2 to 3 inches and 10 trees shall have a nominal diameter of at least 0.75 to 1 inch. The types of trees planted shall be selected from the list below, based on availability at the time of planting; however, at least 5 different varieties shall be selected. In the event that more than 20 trees of 3 inches or greater diameter are removed as a result of the Removal Action work on the Property, GM will replace each of such trees with a seedling selected from the list below; however, if feasible, at least 5 different varieties shall be selected. All replacement trees will be monitored for a period of 3 years. If at the end of the monitoring period the number of surviving trees and any volunteers which have established themselves since the completion of the replanting program is less than the number of trees replanted, then to the extent of such difference GM shall replant seedlings selected in the manner described above.

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American Sycamore	*Platanus occidentalis*	Fast growing/bottomland soil
Black Cherry	*Prunus serotina*	Moderate rainfall/well-drained soil
Shingle Oak	*Quercus imbricaria*	
Shumard Oak	*Quercus shumardii*	Moist, well drained soil
Bur Oak	*Quercus macrocarpa*	Moist soil/intolerant of flooding
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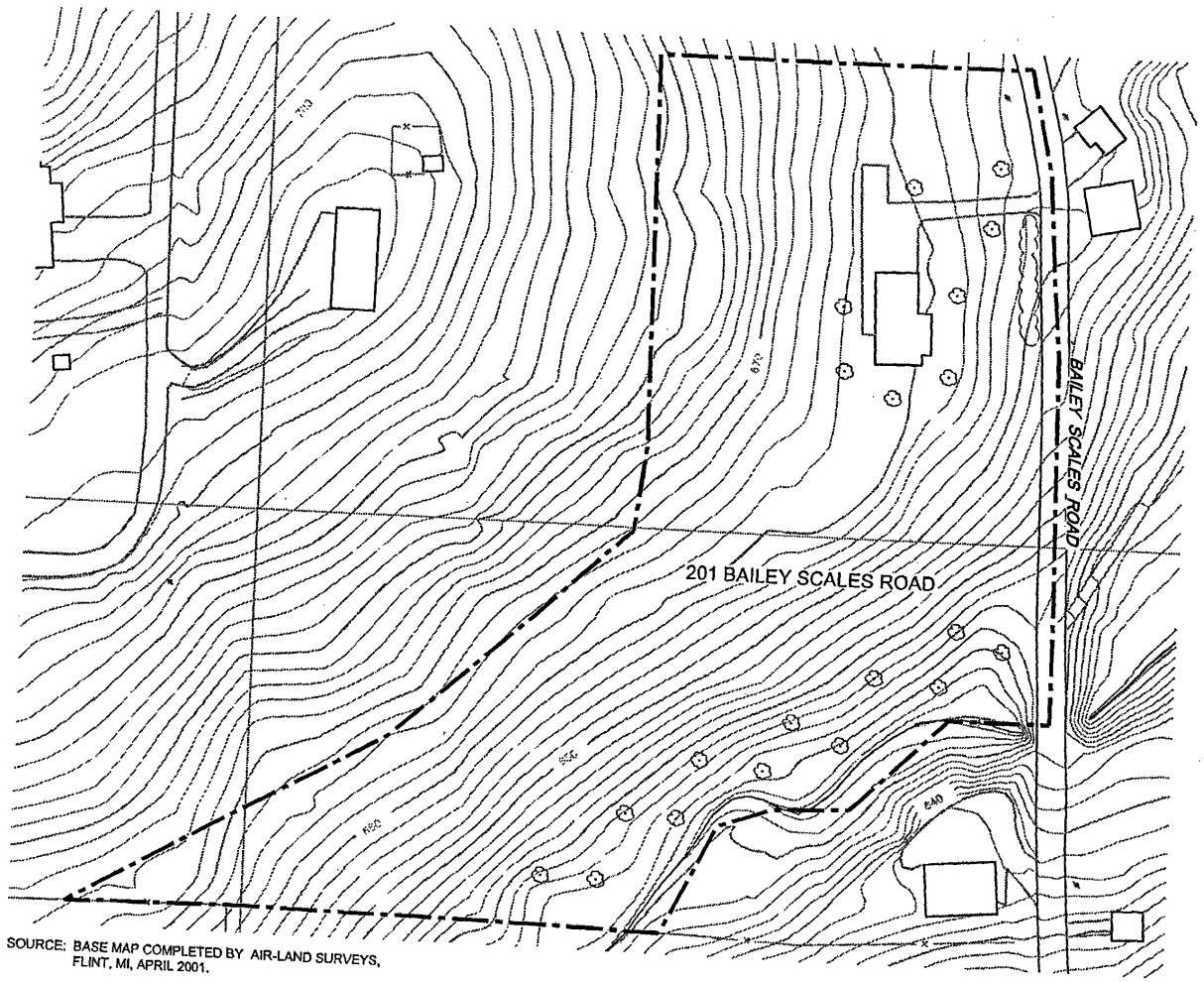


SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001.

N

0 40 80ft

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- PROPOSED TREE PLANTING LOCATIONS (ADDITIONAL SEEDLINGS WILL BE PLANTED IN THIS AREA IF REQUIRED PURSUANT TO ATTACHMENT A TO THE ACCESS AGREEMENT)
- PROPOSED SHRUBBERY PLANTING LOCATIONS

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

FIGURE 1

GENERALIZED TREE AND SHRUBBERY PLANTING PLAN - YARD AREA
201 BAILEY SCALES ROAD
Bedford, Indiana

13968-00(PRES024)GN-WA003 AUG 22/2003

PARCEL 401 HENDERSON AGREEMENT

Amendment to Access Agreement

General Motors Corporation, (GM), 300 Renaissance Center, P.O. Box 300, Detroit MI 48265-3000 and Gordon E. Henderson,(Henderson), for $1.00 and other valuable considerations, do hereby amend that certain Access Agreement executed by Henderson on December 4, 2002 and by General Motors on December 18, 2002, a copy being attached hereto, said amendment being as follows:

In the course of conducting the cleanup at the GM Bedford Plant, certain PCB containing fill materials on the Henderson's property will be removed from the property in order to meet the Removal Action requirements provided in the Upstream Parcels Removal Action Work Plan...as amended. These Removal Action excavation activities will require GM to remove substantial amounts of surface and subsurface soil and fill materials from the property, resulting in large, open holes and trenches. Further, Henderson has authorized GM to demolish the existing garage in order to access impacted fill materials around and below this structure to achieve the established cleanup criteria. Henderson understands he will not have use of a garage for an indefinite period of time. Further, Henderson understands he will not have full use of Henderson's property for the period during the cleanup and until restoration has been completed.

GM will demolish the existing garage and remove and dispose the materials from the demolition of the garage at GM's expense. GM will notify Henderson no less than two days prior to the initiation of any demolition activities. Prior to demolition, GM will assist Henderson with the relocation of the possessions/materials currently stored within the existing garage. Henderson may salvage structural items from the existing garage prior to demolition, as practical. Henderson will provide a written list of items he would like returned to him from the garage structure prior to demolition. Henderson will be required to remove salvage items within 2 days if GM determines it is impracticable for GM to remove them. GM will provide a temporary enclosed structure to be placed at a location on the property specified by Henderson for the storage of two automobiles. GM will also provide a steel storage container for the storage of tools and equipment currently located within the garage. The storage container will be provided with shelving and lights and will be placed at a location specified by Henderson.

Upon completion of the excavation of fill materials in proximity to the former garage, and the completion of confirmation sampling to verify removal of impacted fill materials above the cleanup objective, GM will backfill the area with imported soils. After excavation of fill material, the building envelope beneath the garage will be raised to founding grade using engineered structural fill.

Prior to the placement of the structural backfill, the subgrade will be proof-rolled, to identify any weak or compressible zones in the subgrade. Proof-rolling will be performed using heavy construction equipment such as a hoe-ram mounted compactor, or equivalent. If any such zones are discovered, the material will be sub-excavated as directed by qualified geotechnical personnel.

GM will replace the existing garage with a structure (Attachment A) at approximately the same location on the property. Henderson acknowledges that settling and perhaps damage to the foundation and structure will occur due to construction on compacted soil and fill materials. Final orientation of the garage and garage doors will be per Henderson's direction as described below. In general, the replacement garage will be 36 feet wide, 30 feet deep, and 9 feet high; with three 9' x 7' insulated garage doors (white raised-panel or smooth doors per Henderson's direction as described below). Each of three garage doors will be equipped with remote controlled electric garage door openers. The garage will also include two 3' x 3' windows (casement aluminum or vinyl clad windows), 1 man-door, six 4' florescent lights, 16 electrical outlets, 2 - 50 amp 220 volt electric outlet, 100 amp electric sub-panel, 4/12 pitch trussed roof with architectural shingles, and vinyl siding (color to be selected by Henderson as described below). Placement of the main door and windows will be at Henderson's discretion as described below. The replacement garage will also include a new 8" double-wall flue from ceiling through the roof to appropriate height. The garage will have 2' perimeter footers with 8" stem walls, 12" to extend above finished grade, with 4" sweat finished floor with 6x6 wire mesh and 4" of pea gravel sub base. The garage will have 4" insulation in the side walls and 6" insulation in the roof.

GM shall provide notice at least 7 days prior to start of construction of replacement garage. Henderson shall provide to GM written selection of options specified in preceding paragraph within 2 days after GM provides such notice.

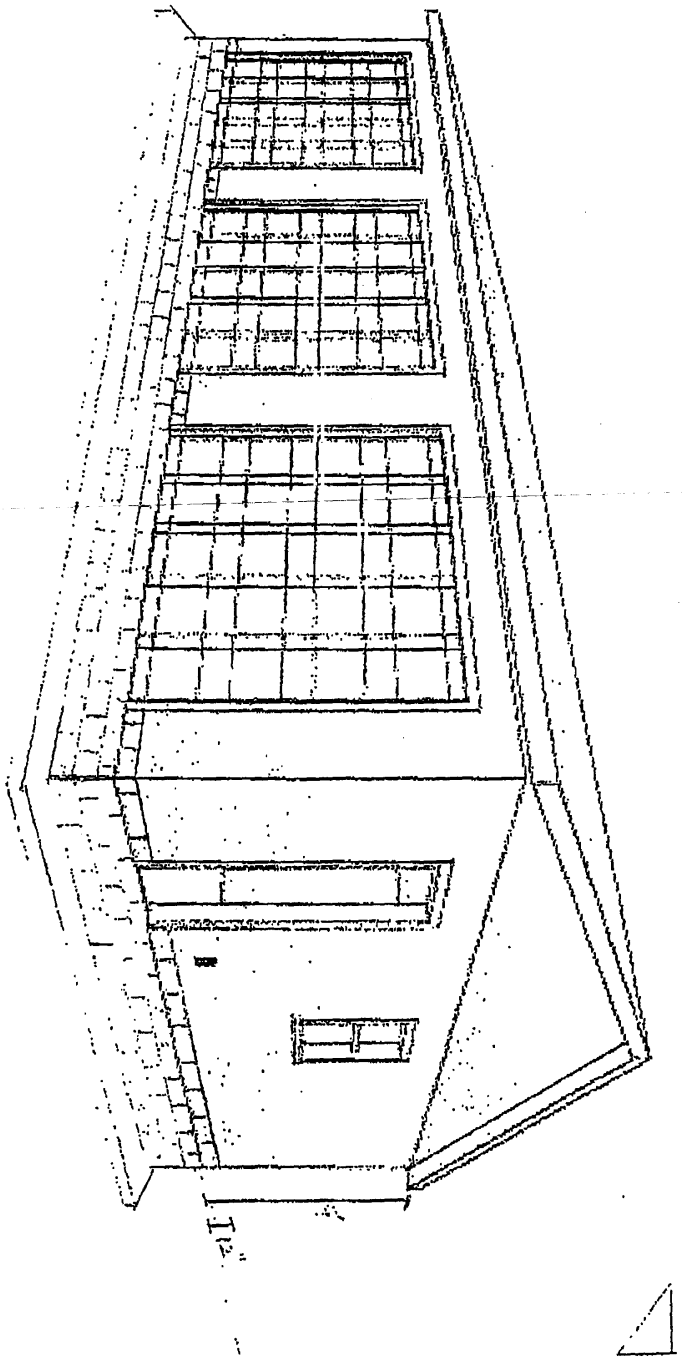
GM will assist Henderson with the relocation of his possessions from the temporary storage container to the new garage.

Upon completion of the construction of the garage and restoration activities for the property, landscaping will be completed as soon as practicable. Lawn and driveway areas will be replaced with like materials. However, some restoration activities, such as re-seeding, may need to be completed in the appropriate season.

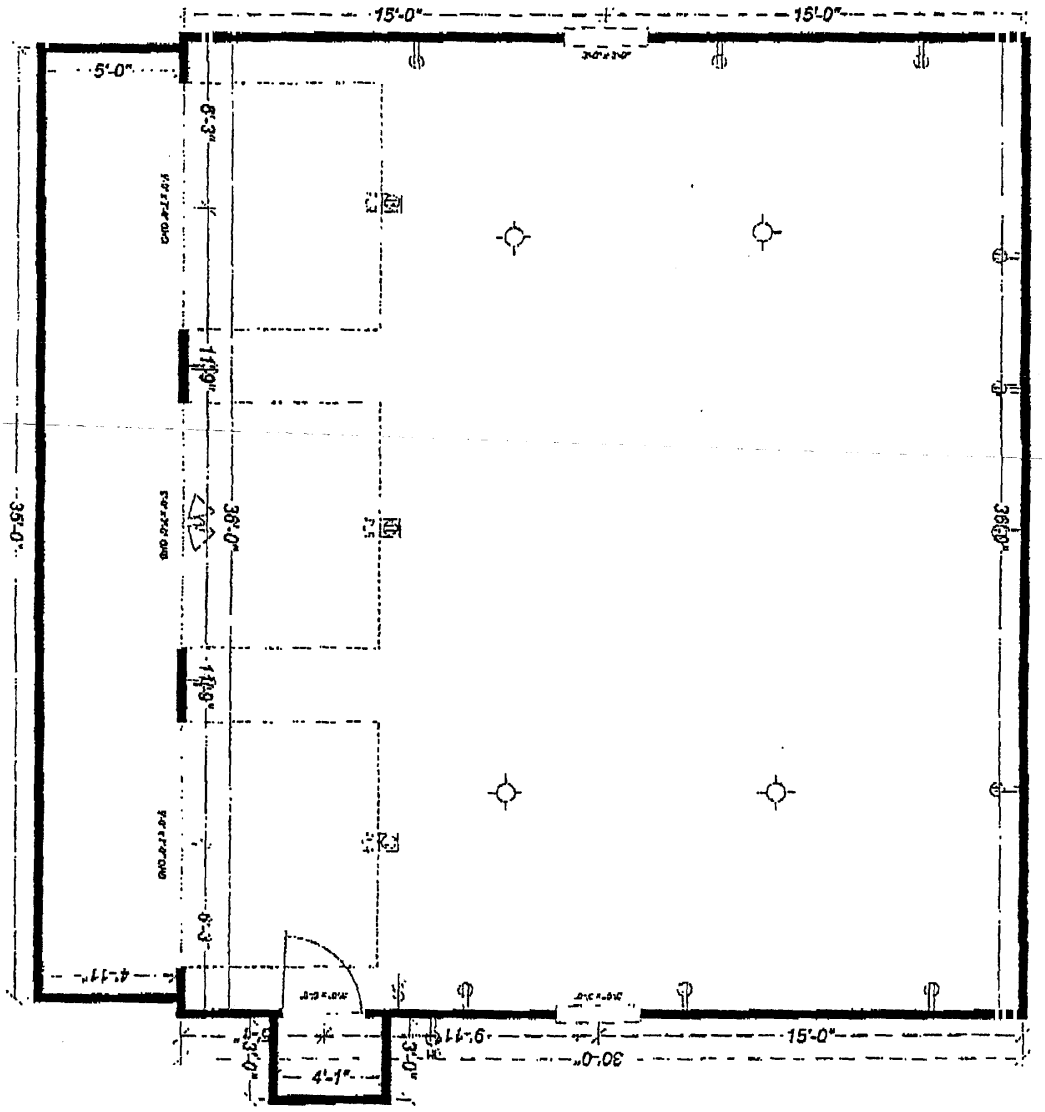
General Motors Corporation

By: R D Jones, AGENT
Dated: 2-26-04

Gordon Henderson
Gordon E. Henderson
Dated: 3-4-04



ATTACHMENT A



ATTACHMENT A

APPENDIX C

RULE 5 SOIL EROSION CONTROL PLAN NOTICE OF SUFFICIENCY

Indiana Department of Environmental Management
Notice of Intent (NOI)
Storm Water Runoff Associated with Construction Activity
NPDES General Permit Rule 327 IAC 15-5 (Rule 5)

Submission of this Notice of Intent letter constitutes notice that the operator is applying for coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit Rule for Storm Water Discharges Associated with Construction Activity (see 327 IAC 15-2-5 (c) for definition of operator). Permitted operators are required to comply with all terms and conditions of the General Permit Rule 327 IAC 15-5 (Rule 5).

Construction Project:

Name: Upstream Parcel Interim Measure County: Lawrence

Location: Bedford

Operator's Name: Ms. Cheryl Hiatt Phone: 248-680-5219

Company Name: General Motors Corporation

Complete Address: Troy Tech Park South, Bldg. A., 1996 Technology Dr., MC483-619-356
Troy Michigan 48083

Contact Person (i.e. project manager, engineer): Ashley Valentine, P.E.

Complete Address (if different from above): Conestoga-Rovers & Associates, 9033 Meridian Way
West Chester, OH 45069 Phone: 513-942-4750

Affiliation with operator (i.e. consultant): Consultant

Ownership Status : (check one) Federal ____ State____ Public (other than Federal or State)____
Private X Other (specify)____

Location: Latitude 39° 52' N and Quarter Bartlettsvil Section 12
Longitude 86° 28' W Township 5 North Range 1 West

Name of Receiving Water: (and if applicable, name of municipal operator of storm sewer): ____
Bailey's Branch Creek (also known as Unnamed Tributary to Pleasant Run)

Please note that even if a retention pond is present on the property, the name of the nearest possible receiving water is required.

Acreage: Total acreage: 9.28 Acreage to be Disturbed: 2.8

Timetable: Estimated Start Date: March 2003 Estimated End Date for all Land Disturbing Activity: September 2003

Please note: the operator is responsible for all construction activities within the boundaries of the project until all construction is complete. If individual lots are to be sold within a subdivision or Commercial Park, the operator should consider developing contractual agreements to bind lot buyers and builders to compliance with the Soil Erosion Control Plan established by the operator, and to indemnify the operator for any violations. An example of a contractual clause of this nature may be obtained by contacting IDEM, Office of Water Management, Rule 5 Desk at (317) 233-1864 or (800) 451-6027 ext. 31864.

Exclusions from Coverage Under this General Permit:

1. Storm water discharges excluded by any provision of 327 IAC 15-2-3.
2. Storm water discharges to waters designated as outstanding state resources listed in 327 IAC 2-1-2(3) or waters designated for exceptional use listed in 327 IAC 2-1-11(b).

Soil Erosion Control Plan Certification:

By signing this Notice of Intent letter, I, the operator, certify the following:

A. The erosion control measures included in the Soil Erosion Control Plan comply with the requirements of 327 IAC 15-5-7 and 15-5-9 and the plan complies with applicable state, county, and local erosion control requirements;
B. The erosion control measures will be implemented in accordance with the plan;
C. The appropriate state, county, or local erosion control authority **and** the county Soil and Water Conservation District (SWCD) office have been sent a copy of the erosion control plan for review; and
D. Implementation of the erosion control measures will be conducted by personnel trained in erosion control practices.

Operator Responsibility Statement:

By signing this Notice of Intent letter, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name of Operator Ms. Cheryl Hiatt

Signature of Operator Cheryl Hiatt Date 11/5/03

In Addition to this Form, Completed in Full, Please Submit the Following:

X Proof of publication in a newspaper of general circulation in the affected area notifying the public that a construction activity is to commence, including the start date, end date, and location of the project, and the name and address or phone number of the contact person;

X **$100** check or money order payable to the Indiana Department of Environmental Management.

Mail to: Indiana Department of Environmental Management
Office of Water Quality, Storm Water (Rule 5) Desk
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

Questions regarding Erosion & Sediment Control Plan development or implementation may be directed to your local SWCD or Department of Natural Resources Office. Questions regarding the Notice of Intent may be directed to the Rule 5 contact person at (317) 233-1864 or (800) 451-6027 ext. 31864. The NOI should be submitted only after your Soil Erosion Control Plan has been submitted to your local SWCD. Initiation of earth disturbing activity before submittal of the Erosion & Sediment Control Plan, the NOI, Proof of Publication, and the $100 filing fee is considered operating without a permit and will potentially subject the operator to enforcement and penalty under IC 13-30.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

March 17, 2003

Dear Storm Water General Permit Applicant

Re: **Notice of Sufficiency**
Upstream Parcel Interim Measure
Lawrence County

The Notice of Intent (NOI) letter submitted to the Indiana Department of Environmental Management (IDEM) for the above-mentioned project is sufficient to comply with the NOI letter requirements of 327 IAC 15-5 (Rule 5). Enclosed please find a copy of Rule 5, the NPDES General Permit for Storm Water Runoff Associated with Construction Activity. **You must comply with all of the requirements of this rule. In accordance with 327 IAC 15-5-10, you are required to implement your Soil Erosion Control Plan, maintain the erosion control structures until your project is complete, and amend your NOI as dates or other facts are altered. All Notices of Intent submitted for Rule 5 NPDES General Permit coverage are automatically limited to a maximum term length of 5 years. IAW with 40 Code of Federal Regulations 122.46(a), regardless of the estimated end date provided on the Notice of Intent form/letter. All projects requiring coverage beyond the 5 years must reapply for a new permit 90 days prior the expiration date.**

The name of this project is Upstream Parcel Interim Measure and is located in Lawrence County. This name and county name should be included on any type of correspondence that is submitted to IDEM pertaining to this project.

___ If marked with an X, please review the enclosed sheet titled "Developer's Continuing Responsibility" and submit an amended timetable which includes home or building construction, installation of roads and utilities, and revegetation of cleared areas after all construction is complete.

NOTE: *This Notice of Sufficiency does not constitute approval of your Erosion/Sediment Control Plan (E/SCP), nor does it supersede the requirements of your local Soil & Water Conservation District Office (SWCD) or the Indiana Department of Natural Resources, Division of Soil Conservation (DNR). Questions regarding the development or implementation of the E/SCP may be directed to the local county SWCD or if you are unable to reach the SWCD, please contact DNR at 317/233-3870. Any other questions regarding Rule 5 requirements may be directed to the IDEM Rule 5 Coordinator at 317/233-1864 or 800/451-6027 ext.31864. For info and forms visit: www.state.in.us/idem/owm/facmang/storm/stormindex.html*

Sincerely,

Reggie Baker, Jr., Chief
Urban Wet Weather Section
Office of Water Quality

Enclosure

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

July 14, 2003

Dear Storm Water General Permit Applicant:

Re **Notice of Sufficiency**
GM Upstream Parcel Interim Measure phase 2
Lawrence County

The Notice of Intent (NOI) letter submitted to the Indiana Department of Environmental Management (IDEM) for the above-mentioned project is sufficient to comply with the NOI letter requirements of 327 IAC 15-5 (Rule 5). Enclosed please find a copy of Rule 5, the NPDES General Permit for Storm Water Runoff Associated with Construction Activity. **You must comply with all of the requirements of this rule. In accordance with 327 IAC 15-5-10, you are required to implement your Soil Erosion Control Plan, maintain the erosion control structures until your project is complete, and amend your NOI as dates or other facts are altered. All Notices of Intent submitted for Rule 5 NPDES General Permit coverage are automatically limited to a maximum term length of 5 years. IAW with 40 Code of Federal Regulations 122.46(a), regardless of the estimated end date provided on the Notice of Intent form/letter. All projects requiring coverage beyond the 5 years must reapply for a new permit 90 days prior the expiration date.**

The name of this project is GM Upstream Parcel Interim Measure phase 2 and is located in Lawrence County. This name and county name should be included on any type of correspondence that is submitted to IDEM pertaining to this project.

___ If marked with an X, please review the enclosed sheet titled "Developer's Continuing Responsibility" and submit an amended timetable which includes home or building construction, installation of roads and utilities, and revegetation of cleared areas after all construction is complete.

NOTE: *This Notice of Sufficiency does not constitute approval of your Erosion/Sediment Control Plan (E/SCP), nor does it supersede the requirements of your local Soil & Water Conservation District Office (SWCD) or the Indiana Department of Natural Resources, Division of Soil Conservation (DNR). Questions regarding the development or implementation of the E/SCP may be directed to the local county SWCD or if you are unable to reach the SWCD, please contact DNR at 317/233-3870. Any other questions regarding Rule 5 requirements may be directed to the IDEM Rule 5 Coordinator at 317/233-1864 or 800/451-6027 ext.31864. For info and forms visit: www.state.in.us/idem/owm/facmang/storm/stormindex.html*

Sincerely,

Reggie Baker, Jr., Chief
Urban Wet Weather Section
Office of Water Quality

Enclosure

APPENDIX D

BACK-UP CALCULATIONS FOR UPPER CONFIDENCE LIMITS

July 27, 2004

MEMORANDUM

To: Cheryl Hiatt
Ed Peterson

From: C. Y. Jeng
Steve Song

Re: Computation of Nonparametric Bootstrap 95% UCLs

We have prepared this memorandum in response to USEPA's recent request for an explanation of how ENVIRON calculates nonparametric bootstrap 95% upper confidence limits (UCLs) using the percentile and BCa (bias-corrected and accelerated) methods to assess attainment of the PCBs soil cleanup level. Nonparametric bootstrap methods are being used as specified in the Upstream Removal Action Work Plan for this purpose, instead of traditional parametric methods, because data sets from verification sampling are expected to be highly skewed (i.e., they have a small proportion of data points that are much higher than the rest of the data set). For such data sets, matching the shape of the data distribution with an appropriate parametric method, if one exists at all, is difficult to do reliably. Conversely, nonparametric bootstrap methods do not rely on assumptions about the shape of the data distribution, and are robust enough to give reliable results even for data sets where parametric methods are available.

This memorandum provides a basic description of the algorithms for the two nonparametric bootstrap methods (percentile and BCa) specified in the Upstream Removal Action Work Plan, and includes example calculations using data from Verification Area 2 which were previously provided to USEPA and IDEM. The computer subroutines we wrote to implement the two algorithms in Mathematica are shown in Attachment 1. Tables that summarize the data sets and corresponding percentile and BCa 95% UCLs for the verification areas where UCLs have been calculated so far are provided in Attachment 2.

Discussion of the theory underlying the bootstrap method in general and the two algorithms discussed in this memorandum can be found in *An Introduction to the Bootstrap* (Efron and Tibshirani 1998), and are not repeated here.

Algorithm for the Percentile Method

Step 1: Obtain *bootstrap samples* by randomly selecting data points from the original data set. Random selection is done using a random number generator and with replacement, so that a data point in the original data set can be selected more than once. A bootstrap sample is constructed to have the same number of data points as the original data set.

The following are several bootstrap samples that were obtained from the test data set {0.288, 0.404, 1, 0, 0.727, 0.83, 0.111, 0.099, 1.96, 0.032}:

{0.099, 0.111, 1, 0.83, 0.099, 0.032, 0.288, 0.288, 0, 0},
{0.288, 0.83, 0.111, 0.032, 0.83, 0.032, 1.96, 0.727, 0.099, 0},
{0.288, 0.404, 0.288, 0, 0.111, 0.032, 0.83, 1.96, 1, 0.404},
{0, 1.96, 0.032, 0, 1.96, 1.96, 1, 0.404, 0.404, 0.032},
{0, 0.288, 0.111, 0.032, 0.404, 1, 0.288, 0.099, 1.96, 0.83}

In this example, the original data set has 10 data points, so each bootstrap sample also consists of 10 data points.

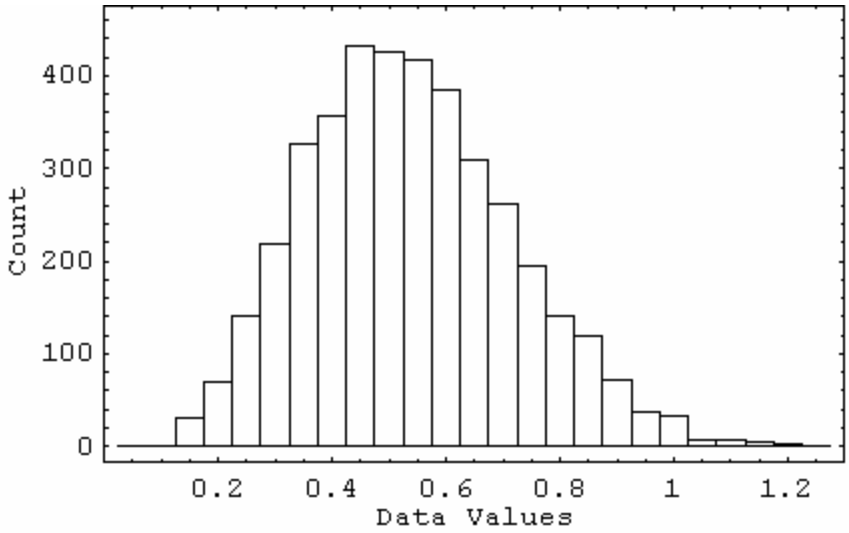
However, note that by sampling with replacement, some data points in the original data set may appear more than once in a bootstrap sample. For example, the first data point of 0.288 in the original data set appears twice in the first bootstrap sample above. Conversely, some data points in the original data set may not appear at all in a bootstrap sample. For example, the second data point of 0.404 in the original data set does not appear in the first bootstrap sample.

Step 2: Obtain *bootstrap replications* by calculating the arithmetic mean for each bootstrap sample. The following are the bootstrap replications that correspond to the bootstrap samples shown in Step 1:

0.2747
0.4909
0.5317
0.7752
0.5012

For comparison, the mean of the original data set is 0.5451.

Step 3: After obtaining 4,000 bootstrap replications of the mean from Steps 1 and 2, sort the replications from low to high. The following is a histogram of the 4,000 bootstrap replications of the test data set (including the above bootstrap replications).



Step 4: In the percentile method, the 95% UCL is obtained by using the 95th percentile bootstrap replication. For the above set of 4,000 bootstrap replications, the 95th percentile value of 0.8567 (or the 3,800th highest value) is used as the percentile 95% UCL.

Algorithm for the BCa Method

Steps 1 to 3: These steps are the same as those in the percentile method.

Step 4: In the BCa method, the 95% UCL is obtained from the same distribution of the 4,000 bootstrap replications, but instead of using the 95th percentile, it uses the α' percentile which is calculated as follows:

$$\alpha' = \Phi\left[z_0 + \frac{z_0 - z}{1 - \hat{a}(z_0 - z)} \right]$$

The function $\Phi[\bullet]$ represents the cumulative distribution function of the standard normal distribution, and z is the 5th percentile point of the standard normal distribution (-1.64485). The values of the bias-correction z_0 and the acceleration â are calculated using Equations 14.14 and 14.15, respectively, from Efron and Tibshirani (1998).

For the 4,000 bootstrap replications shown in the above histogram, the values of z_0, â, and α' are as follows:

z_0 = 0.119979
â = 0.0668862
α' = 0.98304

For this set of 4,000 bootstrap replications, the 98.3th percentile value of 0.9587 (or the 3,933th highest value) is used as the BCa 95% UCL.

ATTACHMENT 1

Mathematica Subroutines for Nonparametric Percentile and BCa Bootstrap 95% Upper Confidence Limits

```
BootstrapCI[x_, s_, b_: 2000, opt___] :=
 Module[{theta, si, sdot, ahat, f, z0, a, z, a1, a2},
  theta = Sort[BootstrapReplications[x, s, b]];
  si = JackknifeReplications[x, s];
  sdot = Mean[si];
  ahat = Tr[(sdot - si)^3] / Tr[(sdot - si)^2]^1.5 / 6;
  f = NormalDistribution[];
  z0 = Quantile[f, N[Count[Sign[s[x] - theta], 1]] / b];
  a = Alpha /. {opt} /. Options[BootstrapCI];
  z = Quantile[f, a];
  a1 = CDF[f, z0 + (z0 + z) / (1 - ahat (z0 + z))];
  a2 = CDF[f, z0 + (z0 - z) / (1 - ahat (z0 - z))];
  {theta[[Floor[b a1]]], theta[[Ceiling[b a2]]]}
 ]

BootstrapPercentileCI[x_, s_, b_: 2000, opt___] :=
 Module[{theta, a, k},
  theta = Sort[BootstrapReplications[x, s, b]];
  a = Alpha /. {opt} /. Options[BootstrapCI];
  k = Floor[(b + 1) a];
  {theta[[k]], theta[[b + 1 - k]]}
 ]

BootstrapSamples[x_, b_] :=
 Module[{n, i},
  n = Length[x];
  i = Table[Table[Random[Integer, {1, n}], {n}], {b}];
  Map[x[[#]] &, i]
 ]

BootstrapReplications[x_, s_, b_] := Map[s, BootstrapSamples[x, b]]

JackknifeSamples[x_] :=
 Module[{n},
  n = Length[x];
  Table[Drop[x, {i}], {i, 1, n}]
 ]

JackknifeReplications[x_, s_] := Map[s, JackknifeSamples[x]]
```

ATTACHMENT 2

Summary of 95% Upper Confidence Limit Calculations Performed to Date

ATTACHMENT 2

Summary of 95% Upper Confidence Limit Calculations Performed to Date

The following tables summarize the data sets and corresponding percentile and BCa 95% UCLs for the verification areas that have needed UCL calculations so far. As specified in the Upstream Removal Action Work Plan, side-wall soil samples were initially collected every 50 linear feet to form a 5-point composite sample. The protocol for collecting these samples in the areas downstream of the Site Source Control barrier outside of Outfall 002 was subsequently modified in the Upstream Removal Action Work Plan Addendum No. 4 to collect samples every 25 linear feet to form a 5-point composite sample.

The UCL calculations in the following tables include results that are based on side-wall samples collected at 25-ft intervals (Verification Area 4) and at 50-ft intervals (Verification Areas 2 and 6). Calculation of UCLs was not necessary for the other data sets (including those for Verification Areas 2 and 6 that were based on 25-ft interval side-wall sampling) because no verification samples exceed 1.8 mg/kg in those data sets, as discussed in the Upstream Removal Action Work Plan.

Attachment 2: Inputs and Outputs for Bootstrap 95% UCL Calculations
Confirmation Composite Sample Results, Bedford, Indiana

Calculation Inputs

Area	Grid	Parcel	Sample Type	Sample ID	Type Code	Conc	Qual	Units
2	2A	P205	Floor	S-205-121603-KB-5046	AVG	2.88E-01	J	mg/kg
2	2B	P205	Floor	S-205-121603-KB-5048	N	4.04E-01	J	mg/kg
2	2C	P003	Sidewall	S-003-011304-CH-5065	N	1.00E+00		mg/kg
2	2C	P003	Floor	BEDROCK	N	0.00E+00		mg/kg
2	2D	P004	Floor	S-004-040204-CH-5144	N	7.27E-01	J	mg/kg
2	2E	P003	Floor	S-003-032304-CH-5138	N	8.30E-01		mg/kg
2	2F	P003	Floor	S-003-121703-KB-5054	AVG	1.11E-01	J	mg/kg
2	2G	P003	Floor	S-003-121703-KB-5056	N	9.90E-02	J	mg/kg
2	2H	P004	Sidewall	S-004-021204-CH-5081	N	1.96E+00	J	mg/kg
2	2H	P004	Floor	S-004-031604-CH-5111	N	3.20E-02	J	mg/kg

Calculation Outputs

Percentile Bootstrap 95% UCL	8.68E-01	mg/kg
BCa Bootstrap 95% UCL	9.51E-01	mg/kg

Notes:

Concentrations of non-detect (U-qualified) data used in the 95% UCL calculations are one-half the Limit.

Type Code: N = normal environmental sample, AVG = averaged duplicate

Sidewall samples were collected every 50 linear feet to form a 5-point composite.

The concentration for S-205-121606-KB-5046 is the average of duplicate pair samples S-205-121606-KB-5046 and S-205-121606-KB-5047.

The concentration for S-205-121703-KB-5054 is the average of duplicate pair samples S-205-121703-KB-5054 and S-205-121703-KB-5054.

Attachment 2: Inputs and Outputs for Bootstrap 95% UCL Calculations
Confirmation Composite Sample Results, Bedford, Indiana

Calculation Inputs

Area	Grid	Parcel	Sample Type	Sample ID	Type Code	Conc	Qual	Units
6	6A	P006	Sidewall	S-006-021904-CH-5092	AVG	2.93E-01	J	mg/kg
6	6A	P006	Sidewall	S-006-021904-CH-5101	N	2.36E-01		mg/kg
6	6A	P006	Floor	S-006-031804-CH-5127	N	8.10E-01		mg/kg
6	6B	P008	Sidewall	S-008-041504-CH-5169	N	4.02E-01	J	mg/kg
6	6B	P008	Floor	S-008-050404-CH-5253	AVG	7.70E-01		mg/kg
6	6C	P008	Sidewall	S-008-041504-CH-5170	N	8.40E-01		mg/kg
6	6C	P008	Floor	S-008-050404-CH-5255	N	2.90E-01		mg/kg
6	6D	P008	Sidewall	S-008-041504-CH-5171	N	3.90E-02	J	mg/kg
6	6D	P008	Sidewall	S-008-050704-CH-5300	N	8.10E-01		mg/kg
6	6D	P008	Floor	S-008-050404-CH-5256	N	1.00E-01		mg/kg
6	6E	P005	Floor	S-005-051104-CH-5284	N	8.56E-01	J	mg/kg
6	6F	P005	Sidewall	S-005-051104-CH-5309	N	6.30E-01		mg/kg
6	6F	P005	Sidewall	S-005-060104-CH-5357	N	2.00E-02	J	mg/kg
6	6F	P005	Sidewall	S-005-060104-CH-5358	N	3.00E-02	J	mg/kg
6	6F	P008	Sidewall	S-008-050704-CH-5306	N	3.20E+00		mg/kg
6	6F	P005	Floor	S-005-051104-CH-5261	N	1.79E+00	J	mg/kg
6	6G	P005	Sidewall	S-005-041904-CH-5162	N	7.82E-01		mg/kg
6	6G	P007	Floor	S-007-050504-CH-5262	AVG	6.05E-02		mg/kg
6	6H	P007	Sidewall	S-007-041504-CH-5163	N	6.30E-01		mg/kg
6	6H	P007	Floor	S-007-050504-CH-5264	N	1.20E-01		mg/kg

Calculation Outputs

Percentile Bootstrap 95% UCL	9.15E-01	mg/kg
BCa Bootstrap 95% UCL	1.04E+00	mg/kg

Notes:

Concentrations of non-detect (U-qualified) data used in the 95% UCL calculations are one-half the Limit.

Type Code: N = normal environmental sample, AVG = averaged duplicate

Sidewall samples were collected every 50 linear feet to form a 5-point composite.

The concentration for S-006-021904-CH-5092 is the average of duplicate pair samples S-006-021904-CH-5092 and S-006-021904-CH-5092A.

The concentration for S-008-050404-CH-5253 is the average of duplicate pair samples S-008-050404-CH-5253 and S-008-050404-CH-5254.

The concentration for S-007-050504-CH-5262 is the average of duplicate pair samples S-007-050504-CH-5262 and S-007-050504-CH-5263.

Attachment 2: Inputs and Outputs for Bootstrap 95% UCL Calculations
Confirmation Composite Sample Results, Bedford, Indiana

Calculation Inputs

Area	Grid	Parcel	Sample Type	Sample ID	Type Code	Conc	Qual	Units
4	4A	P004	Sidewall	S-004-061704-CH-5472	N	1.66E-01	J	mg/kg
4	4A	P004	Sidewall	S-004-061704-CH-5474	N	2.15E-02	U	mg/kg
4	4A	P007	Floor	S-004-041304-CH-5160	N	6.07E-02	J	mg/kg
4	4B	P006	Sidewall	S-006-061704-CH-5468	N	1.20E-01	J	mg/kg
4	4B	P006	Sidewall	S-006-061704-CH-5470	N	2.15E-02	U	mg/kg
4	4B	P006	Floor	S-006-031804-CH-5119	N	5.76E-01	J	mg/kg
4	4C	P005	Sidewall	S-005-061704-CH-5462	N	1.60E-01	J	mg/kg
4	4C	P005	Sidewall	S-005-061704-CH-5464	N	1.88E-01	J	mg/kg
4	4C	P006	Sidewall	S-006-061704-CH-5466	N	1.93E-01	J	mg/kg
4	4C	P006	Floor	S-006-031804-CH-5120	AVG	1.51E-01	J	mg/kg
4	4D	P006	Sidewall	S-006-061704-CH-5456	N	5.69E-01	J	mg/kg
4	4D	P006	Sidewall	S-006-061704-CH-5458	N	4.72E-01	J	mg/kg
4	4D	P006	Sidewall	S-006-061704-CH-5460	N	1.09E-01	J	mg/kg
4	4D	P006	Floor	S-006-031804-CH-5122	N	2.07E-01	J	mg/kg
4	4E	P004	Sidewall	S-004-061704-CH-5463	N	1.59E-01	J	mg/kg
4	4E	P004	Sidewall	S-004-061704-CH-5465	AVG	3.06E-01	J	mg/kg
4	4E	P004	Floor	S-004-031604-CH-5116	AVG	8.16E-02	J	mg/kg
4	4F	P004	Sidewall	S-004-061704-CH-5461	N	4.05E-01	J	mg/kg
4	4F	P004	Floor	S-004-031604-CH-5118	N	2.57E-02	J	mg/kg
4	4G	P004	Sidewall	S-004-061704-CH-5459	N	9.65E-02	J	mg/kg
4	4G	P005	Sidewall	S-005-061704-CH-5457	N	2.03E-01	J	mg/kg
4	4G	P007	Floor	S-004-040204-CH-5145	N	1.08E-01	J	mg/kg
4	4H	P005	Sidewall	S-005-061604-CH-5443	AVG	2.85E-01	J	mg/kg
4	4H	P005	Sidewall	S-005-061604-CH-5447	N	2.30E-01	J	mg/kg
4	4H	P005	Sidewall	S-005-061704-CH-5449	N	1.66E-01	J	mg/kg
4	4H	P005	Sidewall	S-005-061704-CH-5451	AVG	2.20E+00	J	mg/kg
4	4H	P005	Sidewall	S-005-061704-CH-5455	N	3.75E-01	J	mg/kg
4	4H	P007	Floor	S-004-040204-CH-5146	N	1.86E-01	J	mg/kg

Calculation Outputs

Percentile Bootstrap 95% UCL	4.21E-01	mg/kg
BCa Bootstrap 95% UCL	5.09E-01	mg/kg

Notes:

Concentrations of non-detect (U-qualified) data used in the 95% UCL calculations are one-half the Limit.

Type Code: N = normal environmental sample, AVG = averaged duplicate

Sidewall samples were collected every 25 linear feet to form a 5-point composite.

The concentration for S-006-031804-CH-5120 is the average of duplicate pair samples S-006-031804-CH-5120 and S-006-031804-CH-5121.

The concentration for S-004-061704-CH-5465 is the average of duplicate pair samples S-004-061704-CH-5465 and S-004-061704-CH-5467.

The concentration for S-004-031604-CH-5116 is the average of duplicate pair samples S-004-031604-CH-5116 and S-004-031604-CH-5117.

The concentration for S-005-061604-CH-5443 is the average of duplicate pair samples S-005-061604-CH-5443 and S-005-061604-CH-5445.

The concentration for S-005-061704-CH-5451 is the average of duplicate pair samples S-005-061704-CH-5451 and S-005-061704-CH-5453.

APPENDIX E

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

APPENDIX F

MATERIAL TRACKING FORMS, CERTIFICATES OF DISPOSAL, WEIGH SCALE TICKETS, AND MANIFESTS

APPENDIX G

PERIMETER AIR MONITORING DATA

TABLE G.5

GROUP 7 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Location*	*Total Volume m3*	*Average Flow m3/min*	*TSP Concentration mg/m3*	*Percent Allowable %*
3-Dec-04					
	STATION 5	2027	1.14	0.0494	UPWIND
	STATION 11	1783	1.01	0.0314	38
	STATION 11	2187	1.24	0.0171	21
6-Dec-04					
	STATION 5	1456	1.03	0.019	UPWIND
	STATION 11	1214	0.91	0.0152	48
7-Dec-04					
	STATION 5	1591	1.06	0.0236	UPWIND
	STATION 11	1409	0.97	0.0148	38
8-Dec-04					
	STATION 5	1560	1.11	0.0519	UPWIND
	STATION 11	1404	1.01	0.0147	17
9-Dec-04					
	STATION 5	1570	1.08	0.0259	UPWIND
	STATION 11	1357	0.98	0.022	51
10-Dec-04					
	STATION 5	1912	1.09	0.0132	UPWIND
	STATION 11	1775	0.97	0.0103	47
13-Dec-04					
	STATION 5	1850	1.24	0.028	UPWIND
	STATION 11	1816	1.03	0.0133	28
14-Dec-04					
	STATION 5	1613	1.17	0.0443	UPWIND
	STATION 11	1431	1.06	0.0219	30
15-Dec-04					
	STATION 5	1714	1.17	0.0407	UPWIND
	STATION 11	1516	1.03	0.0228	34
20-Dec-04					
	STATION 5	1675	1.16	0.0461	UPWIND
	STATION 11	1374	0.98	0.019	25
21-Dec-04					
	STATION 5	1537	1.07	0.0515	UPWIND
	STATION 11	1404	1.03	--	
4-Jan-05					
	STATION 11	1462	0.99	0.0049	UPWIND
	STATION 5	1878	1.21	0.0058	71
7-Jan-05					
	STATION 11	1442	1.01	0.0099	UPWIND
	STATION 5	1817	1.15	0.0225	136
10-Jan-05					
	STATION 5	1764	1.13	0.0546	UPWIND
	STATION 11	1556	1	0.0325	36
11-Jan-05					
	STATION 5	1522	1.06	0.0265	UPWIND
	STATION 11	1409	0.99	0.0191	43
12-Jan-05					
	STATION 5	1415	1.02	0.0175	UPWIND
	STATION 11	1299	0.94	0.0283	97

* Results not reported due to machine malfunctioning

TABLE G.5

GROUP 7 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Location*	*Total Volume m3*	*Average Flow m3/min*	*TSP Concentration mg/m3*	*Percent Allowable %*
13-Jan-05					
	STATION 5	1459	1.06	0.0145	UPWIND
	STATION 11	1339	0.98	0.0082	34
14-Jan-05					
	STATION 11	1861	1.06	0.0175	UPWIND
	STATION 5	2039	1.15	0.0603	206
17-Jan-05					
	STATION 11	1514	1.04	0.0205	UPWIND
	STATION 5	1795	1.31	0.0386	113
18-Jan-05					
	STATION 5	1681	1.22	0.0556	UPWIND
	STATION 11	1376	1.04	0.019	20
19-Jan-05					
	STATION 5	1649	1.12	0.0461	UPWIND
	STATION 11	1416	1	0.0239	31
20-Jan-05					
	STATION 11	1413	0.97	0.0174	UPWIND
	STATION 5	707	*	*	*
26-Jan-05					
	STATION 11	1441	0.97	0.014	UPWIND
	STATION 5	1614	1.05	0.027	115
27-Jan-05					
	STATION 11	1310	0.98	0.0146	UPWIND
	STATION 11	1618	1.21	0.0027	UPWIND
	STATION 5	1567	1.13	0.0249	552

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/5/03	378	2.7	0.0071	1
9/6/03	350	11.0	0.0315	3
9/7/03	396	17.0	0.0429	4
9/11/03	394	5.9	0.0150	2
9/15/03	390	21.0	0.0538	5
9/16/03	333	48.0	0.1441	14
9/17/03	368	25.0	0.0680	7
9/17/03	384	2.1	0.0055	1
9/18/03	375	18.0	0.0480	5
9/19/03	379	19.0	0.0501	5
9/19/03	358	30.0	0.0837	8
9/22/03	376	5.0	0.0133	1
9/23/03	375	4.6	0.0123	1
9/23/03	380	37.0	0.0974	10
9/24/03	359	5.1	0.0142	1
9/25/03	471	41.0	0.0871	9
9/25/03	462	4.4	0.0095	1
10/5/03	334	7.1	0.0213	2
10/8/03	349	31.0	0.0888	9
10/9/03	257	33.0	0.1284	13
10/15/03	583	7.9	0.0136	1
10/16/03	389	17.0	0.0437	4
10/17/03	381	23.0	0.0604	6
10/20/03	358	2.1	0.0059	1
10/21/03	372	3.9	0.0105	1
10/22/03	382	12.0	0.0314	3
10/23/03	461	18.0	0.0390	4
10/27/03	360	4.0	0.0111	1
10/29/03	406	4.8	0.0118	1
10/30/03	198	ND	--	--
11/3/03	346	3.2	0.0092 J	1
11/4/03	375	2.3	0.0061 J	1
11/5/03	385	13.0	0.0338	3
11/6/03	363	15.0	0.0413	4
11/10/03	356	3.2	0.0090	1
11/11/03	361	1.3	0.0036	0

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
11/12/03	378	0.0	ND(0.002)	--
12/2/03	372	3.8	0.0102	1
12/3/03	352	9.2	0.0261	3
12/4/03	363	11.0	0.0303	3
12/5/03	388	4.0	0.0103	1
12/11/03	353	0.8	0.0022	0
12/12/03	347	2.8	0.0081	1
12/15/03	364	1.0	0.0027	0
12/16/03	373	0.6	0.0015 J	0
1/5/04	312	0.8	0.0025	0
1/6/04	393	0.0	ND(0.0019)	--
1/7/04	402	0.0	ND(0.0019)	--
1/8/04	381	6.9	0.0181 J	2
1/9/04	392	3.4	0.0087	1
1/12/04	358	1.2	0.0034	0
1/13/04	376	5.2	0.0138	1
1/14/04	357	3.4	0.0095	1
1/15/04	404	2.7	0.0067	1
1/16/04	276	2.1	0.0076	1
1/19/04	644	4.5	0.0070	1
1/21/04	329	1.0	0.0030	0
1/22/04	331	0.0	ND(0.0023)	--
1/23/04	342	0.7	0.0021 J	0
1/26/04	326	1.4	0.0043	0
1/27/04	340	0.0	ND(0.0022)	--
1/29/04	439	0.7	0.0015 J	0
2/2/04	167	*	*	*
2/3/04	365	0.0	ND(0.0021)	--
2/4/04	406	2.8	0.0069	1
2/5/04	363	2.2	0.0061	1
2/6/04	370	0.0	ND(0.002)	--
2/9/04	363	0.7	0.002 J	0
2/10/04	378	2.2	0.0058	1
2/11/04	390	3.7	0.0095	1
2/12/04	427	1.8	0.0042	0
2/16/04	370	7.6	0.0205	2

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
2/17/04	372	7.3	0.0196	2
2/18/04	350	2.6	0.0074	1
2/19/04	385	1.9	0.0049	0
2/20/04	353	0.6	0.0017 J	0
2/23/04	354	7.4	0.0209	2
2/24/04	356	8.5	0.0239	2
2/25/04	388	4.3	0.0111	1
2/26/04	403	8.2	0.0203	2
3/5/04	191	*	*	*
3/8/04	206	1.7	0.0083	1
3/9/04	354	21.0	0.0593	6
3/10/04	432	3.0	0.0069	1
3/11/04	350	0.6	0.0017 J	0
3/12/04	379	9.9	0.0261	3
3/15/04	367	4.9	0.0134	1
3/16/04	350	9.9	0.0283	3
3/17/04	400	5.3	0.0132	1
3/18/04	278	6.8	0.0245	2
3/19/04	341	5.3	0.0155	2
3/22/04	356	4.7	0.0132	1
3/23/04	179	2.9	0.0162 J	2
3/24/04	167	1.0	0.0060	1
3/25/04	182	2.5	0.0137 J	1
3/26/04	186	12.0	0.0645	6
3/29/04	191	8.9	0.0466	5
3/30/04	183	2.6	0.0142	1
3/31/04	190	8.5	0.0447	4
4/1/04	185	8.4	0.0454	5
4/2/04	189	12.0	0.0635	6
4/5/04	197	15.0	0.0761	8
4/6/04	277	1.8	0.0065	1
4/7/04	193	9.8	0.0508	5
4/8/04	295	7.5	0.0254	3
4/9/04	286	13.0	0.0455	5
4/12/04	328	10.0	0.0305	3
4/13/04	289	9.9	0.0343	3

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/14/04	299	26.0	0.0870	9
4/15/04	290	5.1	0.0176	2
4/16/04	377	5.3	0.0141 J	1
4/19/04	310	12.0	0.0387	4
4/20/04	162	*	*	*
4/21/04	48	*	*	*
4/22/04	322	16.0	0.0497	5
4/23/04	426	16.0	0.0376	4
4/26/04	372	3.3	0.0089 J	1
4/27/04	353	7.6	0.0215	2
4/28/04	336	2.7	0.0080	1
4/29/04	386	5.1	0.0132	1
5/3/04	372	19.0	0.0511	5
5/4/04	358	5.6	0.0156	2
5/5/04	354	17.0	0.0480	5
5/6/04	346	3.3	0.0095	1
5/7/04	409	13.0	0.0318	3
5/10/04	328	8.4	0.0256	3
5/11/04	337	6.9	0.0205	2
5/12/04	380	8.6	0.0226	2
5/13/04	367	4.0	0.0109	1
5/14/04	358	13.0	0.0363	4
5/18/04	355	8.1	0.0228	2
5/19/04	341	7.8	0.0229	2
5/20/04	355	7.7	0.0235 J	2
5/21/04	341	4.3	0.0105	1
5/24/04	328	10.0	0.0230	2
5/25/04	408	17.0	0.0616	6
5/26/04	434	30.0	0.0880	9
5/27/04	276	18.0	0.0508	5
6/2/04	358	21.0	0.0587	6
6/3/04	342	31.0	0.0906	9
6/4/04	451	33.0	0.0732	7
6/7/04	347	7.8	0.0225	2
6/8/04	344	9.4	0.0273 J	3
6/9/04	342	17.0	0.0497	5

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/10/04	351	7.3	0.0208	2
6/11/04	334	8.4	0.0251	3
6/14/04	332	8.9	0.0268 J	3
6/15/04	339	14.0	0.0413	4
6/17/04	327	9.7	0.0297	3
6/18/04	345	20.0	0.0580	6
6/21/04	357	8.6	0.0241	2
6/22/04	338	23.0	0.0680	7
6/23/04	328	11.0	0.0335	3
6/24/04	333	11.0	0.0330	3
6/25/04	428	21.0	0.0491	5
6/28/04	334	14.0	0.0419	4
6/29/04	349	18.0	0.0516	5
6/30/04	339	20.0	0.0590	6
7/1/04	420	35.0	0.0833	8
7/7/04	370	13.0	0.0351	4
7/8/04	356	14.0	0.0393	4
7/9/04	348	15.0	0.0431	4
7/13/04	359	12.0	0.0334	3
7/14/04	346	19.0	0.0549	5
7/15/04	356	27.0	0.0758	8
7/16/04	481	19.0	0.0395	4
7/19/04	342	20.0	0.0585	6
7/20/04	344	7.2	0.0209	2
7/21/04	342	5.2	0.0152	2
7/22/04	139	*	*	*
7/23/04	383	27.0	0.0705	7
7/26/04	368	14.0	0.0380	4
7/27/04	326	72.0	0.2209	22
7/28/04	344	66.0	0.1919	19
7/29/04	325	57.0	0.1754	18
7/30/04	340	12.0	0.0353	4
8/2/2004	328	44	0.1341	13
8/3/2004	301	22	0.0731	7
8/4/2004	329	19	0.0578	6
8/5/2004	327	18	0.055	6

* Results not reported due to machine malfunctioning

TABLE G.6

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
8/6/2004	384	17	0.0443	4
8/10/2004	378	5	0.0132	1
8/11/2004	386	7.1	0.0184	2
8/12/2004	367	5.4	0.0147	1
8/13/2004	495	11	0.0222	2
8/16/2004	383	17	0.0444	4
8/17/2004	371	3.9	0.0105	1
8/18/2004	359	6.8	0.0189	2

* Results not reported due to machine malfunctioning

TABLE G.7

STATION 1A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
8/19/2004	322	5.4	0.0168	2
8/20/2004	427	5.1	0.0119	1
8/23/2004	373	10	0.0268	3
8/24/2004	375	5.2	0.0139	1
8/25/2004	363	4.8	0.0132	1
8/26/2004	394	4.4	0.0112	1
8/27/2004	480	6	0.0125	1
8/30/2004	383	12	0.0313	3
8/31/2004	384	18	0.0469	5
9/1/2004	388	14	0.0361	4
9/2/2004	383	9.1	0.0238	2
9/3/2004	403	13	0.0323	3
9/8/2004	373	6.7	0.018	2
9/9/2004	375	11	0.0293	3
9/10/2004	474	12	0.0253	3
9/13/2004	388	8.8	0.0227	2
9/14/2004	396	6	0.0152	2
9/15/2004	383	6.6	0.0172	2
9/16/2004	385	8.2	0.0213	2
9/17/2004	394	6	0.0152	2
9/18/2004	45	*	*	*
9/20/2004	345	7.3	0.0212	2
9/21/2004	382	17	0.0445	4
9/22/2004	389	20	0.0514	5
9/23/2004	384	36	0.0938	9
9/24/2004	446	57	0.1278	13
9/27/2004	385	7.5	0.0195	2
9/28/2004	374	4.4	0.0118	1
9/29/2004	392	14	0.0357	4
9/30/2004	348	12	0.0345	3
10/1/2004	409	11	0.0269	3
10/2/2004	428	4.2	0.0098	1
10/4/2004	379	2.6	0.0069	1
10/5/2004	447	12	0.0268	3
10/7/2004	439	6.7	0.0153	2
10/8/2004	465	6.6	0.0142	1

* Results not reported due to machine malfunctioning

TABLE G.7

STATION 1A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/11/2004	369	6.2	0.0168	2
10/12/2004	406	15	0.0369	4
10/13/2004	485	1.2	0.0025	0
10/14/2004	353	3.2	0.0091 J	1
10/15/2004	518	0	ND(0.0014)	--
10/19/2004	400	7.6	0.019	2
10/20/2004	403	9.5	0.0236	2
10/21/2004	431	0	--	--
10/22/2004	460	4.3	0.0093	1
10/25/2004	398	11	0.0276	3
10/26/2004	401	12	0.0299	3
10/27/2004	379	14	0.0369	4
10/28/2004	423	4.3	0.0102	1
10/29/2004	530	1.6	0.003	0
11/1/2004	385	6.4	0.0166	2
11/16/2004	424	4.9	0.0116	1
11/17/2004	407	2.4	0.0059	1
11/18/2004	352	4.2	0.0119	1
11/19/2004	495	2.7	0.0055	1
11/22/2004	485	6	0.0124	1
11/29/2004	426	8.4	0.0197	2
11/30/2004	389	4.1	0.0105	1
12/1/2004	400	2.2	0.0055	1
12/6/2004	380	3.5	0.0092	1
12/21/2004	432	0	--	--
1/10/2005	388	2.7	0.007	1
1/18/2005	415	0.93	0.0022	0
1/25/2005	370	1.2	0.0032	0
1/31/2005	419	4.8	0.0115	1

* Results not reported due to machine malfunctioning

TABLE G.8

STATION 2A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/5/03	371	14.0	0.0377	4
9/6/03	350	11.0	0.0314	3
9/7/03	406	3.7	0.0091	1
9/11/03	386	3.9	0.0101	1
9/15/03	364	30.0	0.0825	8
9/16/03	326	48.0	0.1473	15
9/17/03	308	82.0	0.2660	27
9/18/03	357	43.0	0.1203	12
9/19/03	334	51.0	0.1527	15
9/22/03	357	66.0	0.1850	19
9/23/03	345	41.0	0.1187	12
9/24/03	337	50.0	0.1482	15
9/25/03	457	18.0	0.0394	4
10/7/03	357	108.5	0.3039	30
10/8/03	344	99.5	0.2892	29
10/9/03	444	45.0	0.1014	10
10/13/03	338	40.0	0.1183	12
10/15/03	378	46.0	0.1217	12
10/16/03	376	35.0	0.0931	9
10/17/03	378	26.0	0.0688	7
10/20/03	352	54.0	0.1534	15
10/21/03	373	28.0	0.0751	8
10/22/03	369	23.0	0.0623	6
10/23/03	456	38.0	0.0833	8
10/27/03	364	24.0	0.0659	7
10/29/03	415	34.0	0.0819	8
10/30/03	369	19.0	0.0515	5
11/3/03	322	78.0	0.2422 J	24
11/4/03	345	45.0	0.1304	13
11/5/03	341	2.7	0.0079	1
11/6/03	356	5.2	0.0146	1
11/10/03	362	23.0	0.0635	6
11/11/03	364	67.0	0.1841	18
11/12/03	366	32.0	0.0874	9
12/2/03	363	4.4	0.0121	1

* Results not reported due to machine malfunctioning

TABLE G.8

STATION 2A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
12/3/03	366	3.1	0.0085	1
12/4/03	369	9.7	0.0263	3
12/5/03	375	5.8	0.0155	2
1/9/04	393	1.1	0.0028	0
1/12/04	367	3.3	0.0090	1
1/13/04	379	6.0	0.0158	2
1/14/04	373	3.7	0.0099	1
1/15/04	419	3.1	0.0074	1
1/16/04	313	3.2	0.0102	1
1/19/04	793	2.9	0.0037	0
1/21/04	391	4.4	0.0113	1
1/22/04	394	0.0	ND(0.0019)	--
1/23/04	386	3.1	0.0080	1
1/26/04	386	1.2	0.0031	0
1/27/04	384	0.6	0.0015 J	0
1/29/04	354	0.7	0.0021 J	0
2/2/04	264	1.7	0.0064	1
2/3/04	343	0.0	ND(0.0022)	--
2/4/04	376	1.4	0.0037	0
2/5/04	324	2.2	0.0068	1
2/6/04	351	1.3	0.0037	0
2/9/04	344	17.0	0.0494	5
2/10/04	366	10.0	0.0273	3
2/11/04	397	51.0	0.1285	13
2/12/04	427	3.8	0.0089	1
2/16/04	377	17.0	0.0451	5
2/17/04	375	25.0	0.0667	7
2/18/04	368	49.0	0.1332	13
2/19/04	373	84.0	0.2252	23
2/20/04	354	41.0	0.1158	12
2/23/04	400	36.0	0.0900	9
2/24/04	361	2.4	0.0066	1
2/25/04	325	3.3	0.0102	1
2/26/04	388	14.0	0.0361	4
3/5/04	315	20.0	0.0635 J	6
3/8/04	314	5.2	0.0166	2

* Results not reported due to machine malfunctioning

TABLE G.8

STATION 2A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/9/04	316	36.0	0.1139	11
3/10/04	415	53.0	0.1277	13
3/11/04	342	11.0	0.0322	3
3/12/04	363	24.0	0.0661	7
3/15/04	360	7.6	0.0211 J	2
3/16/04	354	3.7	0.0105	1
3/17/04	372	52.0	0.1398	14
3/18/04	373	54.0	0.1448	14
3/19/04	384	26.0	0.0677	7
3/22/04	395	28.0	0.0709	7
3/23/04	178	62.0	0.3483 J	35
3/24/04	182	99.0	0.5440	54
3/25/04	169	100.0	0.5917	59
3/26/04	173	130.0	0.7514	75
3/29/04	192	29.0	0.1510	15
3/30/04	168	20.0	0.1190	12
3/31/04	192	15.0	0.0781	8
4/1/04	187	2.0	0.0107	1
4/2/04	189	2.6	0.0138	1
4/5/04	203	69.0	0.3399	34
4/6/04	157	59.0	0.3758	38
4/7/04	177	90.0	0.5085	51
4/8/04	174	28.0	0.1609	16
4/9/04	28	*	*	*
4/12/04	196	1.0	0.0051	1
4/13/04	290	1.3	0.0045	0
4/14/04	282	82.0	0.2908	29
4/15/04	293	94.0	0.3208	32
4/16/04	377	85.0	0.2255	23
4/19/04	298	120.0	0.4027	40
4/20/04	297	83.0	0.2795	28
4/21/04	275	120.0	0.4364	44
4/22/04	316	7.2	0.0228	2
4/23/04	390	43.0	0.1103	11
4/26/04	339	26.0	0.0767 J	8
4/27/04	352	19.0	0.0540	5

* Results not reported due to machine malfunctioning

TABLE G.8

STATION 2A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/28/04	337	58.0	0.1721	17
4/29/04	371	110.0	0.2965	30
5/3/04	324	18.0	0.0556	6
5/4/04	331	68.0	0.2054	21
5/5/04	293	77.0	0.2628	26
5/6/04	303	38.0	0.1254	13
5/7/04	390	17.0	0.0436	4
5/10/04	253	24.0	0.0949	9
5/11/04	282	51.0	0.1809	18
5/12/04	322	24.0	0.0745	7
5/13/04	307	29.0	0.0945	9
5/14/04	14	*	*	*
5/18/04	289	25.0	0.0865	9
5/19/04	282	28.0	0.0993	10
5/20/04	264	5.8	0.022 J	2
5/21/04	328	21.0	0.0640	6
5/25/04	235	6.0	0.0255	3
5/26/04	302	14.0	0.0464	5
5/27/04	280	41.0	0.1464	15
6/2/04	143	9.2	0.0643	6
6/3/04	129	7.4	0.0574	6
6/4/04	170	12.0	0.0706	7
6/7/04	132	23.0	0.1742	17
6/8/04	130	27.0	0.2077	21
6/9/04	129	8.9	0.0690	7
6/10/04	133	13.0	0.0977	10
6/11/04	130	12.0	0.0923	9
6/14/04	135	9.4	0.0696 J	7
6/15/04	142	5.9	0.0415	4
6/17/04	152	2.8	0.0184	2
6/18/04	144	2.0	0.0139	1
6/21/04	143	4.3	0.0301	3
6/22/04	141	2.4	0.0170	2
6/23/04	156	4.6	0.0295	3
6/24/04	159	2.6	0.0164 J	2
6/25/04	205	1.8	0.0088	1

* Results not reported due to machine malfunctioning

TABLE G.8

STATION 2A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/28/04	162	4.7	0.0290	3
6/29/04	182	3.0	0.0165	2
6/30/04	184	4.3	0.0234	2
7/1/04	219	6.3	0.0288	3
7/7/04	187	4.5	0.0241	2
7/8/04	186	7.4	0.0398	4
7/9/04	190	4.9	0.0258	3
7/13/04	88	*	*	*
7/14/04	141	1.4	0.0099	1
7/15/04	153	4.6	0.0301	3
7/16/04	213	5.2	0.0244	2
7/19/04	152	5.6	0.0368	4
7/20/04	159	12.0	0.0755	8
7/21/04	157	5.2	0.0331	3
7/22/04	160	1.7	0.0106	1
7/23/04	164	0.9	0.0057	1
7/26/04	180	0.7	0.0037 J	0
7/27/04	150	2.2	0.0147	1
7/28/04	156	2.6	0.0167	2
7/29/04	194	4.4	0.0227	2
7/30/04	206	4.5	0.0218	2
8/2/2004	200	4.8	0.024	2
8/3/2004	201	6.8	0.0338	3
8/4/2004	202	1.6	0.0079	1
8/5/2004	200	0	ND(0.0038)	--
8/6/2004	235	1.2	0.0051	1
8/10/2004	205	0.54	0.0026	0
8/11/2004	207	0.63	0.003	0
8/12/2004	172	0	ND(0.0044)	--
8/13/2004	239	1.8	0.0075	1
8/16/2004	201	4.2	0.0209	2
8/17/2004	186	5	0.0269	3
8/18/2004	187	2.3	0.0123	1

* Results not reported due to machine malfunctioning

TABLE G.9

STATION 2B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
8/19/2004	161	6.3	0.0391	4
8/20/2004	213	3.1	0.0146	1
8/23/2004	194	12	0.0619	6
8/24/2004	194	11	0.0567	6
8/25/2004	183	9.8	0.0536	5
8/26/2004	184	5.9	0.0321	3
8/27/2004	183	9.8	0.0536	5
8/30/2004	158	5.4	0.0342	3
8/31/2004	157	7.1	0.0452	5
9/1/2004	172	7	0.0407	4
9/2/2004	145	9.1	0.0628	6
9/3/2004	164	9.9	0.0604	6
9/8/2004	164	1.4	0.0085	1
9/9/2004	148	5.1	0.0345	3
9/10/2004	187	7.9	0.0422	4
9/13/2004	159	14	0.0881	9
9/14/2004	163	11	0.0675	7
9/15/2004	157	11	0.0701	7
9/16/2004	158	3.2	0.0203	2
9/17/2004	162	3.3	0.0204	2
9/18/2004	173	3.2	0.0185	2
9/20/2004	146	4.3	0.0295	3
9/21/2004	157	10	0.0637	6
9/22/2004	160	14	0.0875	9
9/23/2004	157	22	0.1401	14
9/24/2004	187	19	0.1016	10
9/27/2004	120	2.3	0.0192	2
9/28/2004	159	1.4	0.0088	1
9/29/2004	161	5	0.0311	3
9/30/2004	156	4.9	0.0314	3
10/1/2004	184	5.7	0.031	3
10/2/2004	178	1.8	0.0101	1
10/4/2004	166	1.1	0.0066	1
10/5/2004	171	4.4	0.0257	3
10/7/2004	177	25	0.1412	14
10/8/2004	194	9.8	0.0505	5

* Results not reported due to machine malfunctioning

TABLE G.9

STATION 2B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/11/2004	171	2.1	0.0123	1
10/12/2004	159	4.7	0.0296	3
10/13/2004	186	2	0.0108	1
10/14/2004	135	0.99	0.0073 J	1
10/15/2004	198	0	ND(0.0038)	--
10/19/2004	163	1.6	0.0098	1
10/20/2004	148	0.86	0.0058	1
10/21/2004	161	0	--	--
10/22/2004	181	5.7	0.0315	3
10/25/2004	158	6.7	0.0424	4
10/26/2004	144	4.1	0.0285	3
10/27/2004	169	2	0.0118	1
10/28/2004	161	7.8	0.0484	5
10/29/2004	217	1.2	0.0055	1
11/1/2004	165	10	0.0606	6
11/16/2004	180	9.2	0.0511	5
11/17/2004	172	1.9	0.011	1
11/18/2004	147	4.2	0.0286	3
11/19/2004	221	4.9	0.0222	2
11/22/2004	209	3.2	0.0153	2
11/29/2004	189	1.3	0.0069	1
11/30/2004	171	0.76	0.0044	0
12/1/2004	180	1.4	0.0078	1
12/6/2004	132	5.7	0.0432	4
12/21/2004	153	3.6	0.0235	2
1/10/2005	107	1.5	0.014	1
1/18/2005	152	0	--	--
1/25/2005	142	0.87	0.0061	10
1/31/2005	150	1.2	0.008	1

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/5/03	294	4.4	0.0150	2
9/6/03	313	3.7	0.0118	1
9/7/03	334	12.0	0.0359	4
9/11/03	316	9.6	0.0304	3
9/15/03	314	6.7	0.0214	2
9/16/03	324	10.0	0.0309	3
9/17/03	286	11.0	0.0384	4
9/18/03	317	11.0	0.0347	3
9/19/03	315	5.9	0.0187	2
9/22/03	302	14.0	0.0463	5
9/23/03	311	9.8	0.0315	3
9/24/03	294	6.9	0.0234	2
9/25/03	385	6.2	0.0161	2
10/7/03	331	14.0	0.0423	4
10/8/03	296	12.0	0.0405	4
10/9/03	371	19.0	0.0512	5
10/13/03	259	8.5	0.0328	3
10/15/03	314	14.0	0.0446	4
10/16/03	334	9.1	0.0272	3
10/17/03	309	5.3	0.0172	2
10/20/03	317	4.8	0.0151	2
10/21/03	305	7.0	0.0230	2
10/22/03	293	5.4	0.0184	2
10/23/03	287	8.4	0.0293	3
10/27/03	332	6.2	0.0187	2
10/29/03	394	9.8	0.0249	2
10/30/03	332	6.2	0.0187	2
11/3/03	315	13.0	0.0413	4
11/4/03	306	11.0	0.0359	4
11/5/03	319	1.4	0.0044	0
11/6/03	318	2.3	0.0072	1
11/10/03	340	3.6	0.0106	1
11/11/03	324	9.1	0.0281	3
11/12/03	323	5.7	0.0176	2

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
12/2/03	338	1.9	0.0056	1
12/3/03	332	1.2	0.0036	0
12/4/03	337	1.9	0.0056	1
12/5/03	333	1.4	0.0042	0
12/11/03	329	1.0	0.0030	0
12/12/03	343	2.4	0.0070	1
12/15/03	311	2.7	0.0087	1
12/16/03	321	1.6	0.0050	0
1/5/04	261	0.8	0.0030	0
1/6/04	349	1.2	0.0034	0
1/7/04	344	2.2	0.0064	1
1/9/04	333	1.0	0.0030	0
1/12/04	334	4.6	0.0138	1
1/13/04	335	6.0	0.0179	2
1/16/04	285	1.6	0.0056	1
1/19/04	687	2.9	0.0042	0
1/21/04	351	2.3	0.0066	1
1/22/04	355	0.8	0.0022	0
1/23/04	340	2.0	0.0059	1
1/26/04	348	1.3	0.0037	0
1/27/04	345	0.7	0.0021 J	0
1/29/04	393	0.8	0.0020	0
2/2/04	347	1.4	0.0040	0
2/3/04	350	1.0	0.0027	0
2/4/04	383	1.0	0.0026	0
2/5/04	327	1.6	0.0049	0
2/6/04	339	1.7	0.0050	0
2/9/04	362	2.6	0.0072	1
2/10/04	313	3.8	0.0121	1
2/11/04	359	7.7	0.0214	2
2/12/04	381	1.7	0.0045	0
2/17/04	318	5.2	0.0164	2
2/18/04	326	6.4	0.0196	2
2/19/04	332	5.7	0.0172	2

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume* *m3*	*Total PCB Mass* *ug*	*PCB Concentration* *ug/m3*	*Percent Allowable* %
2/20/04	310	3.4	0.0110	1
2/23/04	350	9.6	0.0274	3
2/24/04	334	1.3	0.0039	0
2/25/04	322	1.2	0.0037	0
2/26/04	389	5.0	0.0129	1
3/5/04	319	4.8	0.0150	2
3/8/04	323	1.8	0.0056	1
3/9/04	325	4.3	0.0132	1
3/10/04	361	6.8	0.0188	2
3/11/04	307	2.0	0.0065	1
3/12/04	337	4.3	0.0128	1
3/15/04	336	1.5	0.0045 J	0
3/16/04	335	1.0	0.0029	0
3/17/04	347	6.6	0.0190	2
3/18/04	344	4.2	0.0122	1
3/19/04	356	5.3	0.0149	1
3/22/04	383	4.9	0.0128	1
3/23/04	307	5.5	0.0179 J	2
3/24/04	311	6.7	0.0215	2
3/25/04	314	11.0	0.0350	4
3/26/04	320	15.0	0.0469	5
3/29/04	346	8.4	0.0243	2
3/30/04	326	2.5	0.0077	1
3/31/04	333	1.9	0.0057	1
4/1/04	320	1.1	0.0034	0
4/2/04	320	1.8	0.0056	1
4/5/04	374	9.5	0.0254	3
4/6/04	295	17.0	0.0576	6
4/7/04	334	15.0	0.0449	4
4/8/04	316	7.4	0.0234	2
4/9/04	311	7.6	0.0244	2
4/12/04	339	0.6	0.0019 J	0
4/13/04	316	1.0	0.0031	0
4/14/04	327	17.0	0.0520	5

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/15/04	329	14.0	0.0426	4
4/16/04	396	24.0	0.0606	6
4/19/04	335	11.0	0.0328	3
4/20/04	314	9.3	0.0296	3
4/21/04	339	8.1	0.0239	2
4/22/04	228	1.3	0.0057	1
4/23/04	276	9.6	0.0348	3
4/26/04	257	8.8	0.0342 J	3
4/27/04	267	6.8	0.0255	3
4/28/04	271	11.0	0.0406	4
4/29/04	287	22.0	0.0767	8
5/3/04	293	7.1	0.0242	2
5/4/04	254	14.0	0.0551	6
5/5/04	277	21.0	0.0758	8
5/6/04	279	21.0	0.0753	8
5/7/04	320	14.0	0.0438	4
5/10/04	282	16.0	0.0567	6
5/11/04	272	32.0	0.1176	12
5/12/04	299	14.0	0.0468	5
5/13/04	290	11.0	0.0379	4
5/14/04	282	6.5	0.0230	2
5/18/04	294	13.0	0.0442	4
5/19/04	276	6.9	0.0250	2
5/20/04	281	9.8	0.0349 J	3
5/21/04	329	14.0	0.0426	4
5/25/04	218	7.6	0.0349	3
5/26/04	271	17.0	0.0627	6
5/27/04	271	34.0	0.1255	13
6/2/04	245	19.0	0.0776	8
6/3/04	244	23.0	0.0943	9
6/4/04	322	22.0	0.0683	7
6/7/04	255	21.0	0.0824	8
6/8/04	260	25.0	0.0962	10
6/9/04	245	11.0	0.0449	4

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/10/04	258	16.0	0.0620	6
6/11/04	228	21.0	0.0921	9
6/14/04	244	17.0	0.0697 J	7
6/15/04	236	7.7	0.0326	3
6/17/04	250	9.4	0.0376	4
6/18/04	262	6.6	0.0252	3
6/21/04	275	7.9	0.0287	3
6/22/04	246	11.0	0.0447	4
6/23/04	264	12.0	0.0455	5
6/24/04	263	11.0	0.0418	4
6/25/04	338	10.0	0.0296	3
6/28/04	280	19.0	0.0679	7
6/29/04	248	24.0	0.0968	10
6/30/04	282	22.0	0.0780	8
7/1/04	330	23.0	0.0697	7
7/7/04	290	13.0	0.0448	4
7/8/04	274	21.0	0.0766	8
7/9/04	272	11.0	0.0404	4
7/13/04	226	7.9	0.0350	4
7/14/04	270	17.0	0.0630	6
7/15/04	265	12.0	0.0453	5
7/16/04	329	15.0	0.0456	5
7/20/04	263	19.0	0.0722	7
7/21/04	229	13.0	0.0568	6
7/22/04	263	13.0	0.0494	5
7/23/04	260	7.2	0.0277	3
7/26/04	230	5.3	0.0230	2
7/27/04	238	6.5	0.0273	3
7/28/04	254	9.4	0.0370	4
7/29/04	249	9.4	0.0378	4
7/30/04	201	5.8	0.0289	3
8/2/2004	255	12	0.0471	5
8/3/2004	261	13	0.0498	5
8/4/2004	275	4.9	0.0178	2

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
8/5/2004	273	8.4	0.0308	3
8/6/2004	321	5.5	0.0171	2
8/10/2004	280	16	0.0571	6
8/11/2004	289	6.9	0.0239	2
8/12/2004	244	4.3	0.0176	2
8/13/2004	401	5.1	0.0127	1
8/16/2004	321	8.2	0.0255	3
8/17/2004	318	10	0.0314	3
8/18/2004	305	14	0.0459	5
8/19/2004	315	19	0.0603	6
8/20/2004	356	6.4	0.018	2
8/23/2004	302	17	0.0563	6
8/24/2004	334	13	0.0389	4
8/25/2004	305	15	0.0492	5
8/26/2004	329	13	0.0395	4
8/27/2004	344	30	0.0872	9
8/30/2004	323	6.2	0.0192	2
8/31/2004	315	7.3	0.0232	2
9/1/2004	318	7.6	0.0239	2
9/2/2004	321	9.4	0.0293	3
9/3/2004	310	11	0.0355	4
9/8/2004	331	4.5	0.0136	1
9/9/2004	322	5.3	0.0165	2
9/10/2004	363	6	0.0165	2
9/13/2004	298	15	0.0503	5
9/14/2004	313	26	0.0831	8
9/15/2004	302	22	0.0728	7
9/16/2004	304	5.3	0.0174	2
9/17/2004	310	8.1	0.0261	3
9/18/2004	330	11	0.0333	3
9/20/2004	272	9.1	0.0335	3
9/21/2004	319	41	0.1285	13
9/22/2004	288	69	0.2396	24
9/23/2004	308	84	0.2727	27

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/24/2004	345	68	0.1971	20
9/27/2004	322	64	0.1988	20
9/28/2004	326	5.1	0.0156	2
9/29/2004	309	8.5	0.0275	3
9/30/2004	286	17	0.0594	6
10/1/2004	340	29	0.0853	9
10/2/2004	337	4.5	0.0134	1
10/4/2004	313	9.1	0.0291	3
10/5/2004	357	16	0.0448	4
10/7/2004	325	190	0.5846	58
10/8/2004	294	79	0.2687	27
10/11/2004	324	11	0.034	3
10/12/2004	305	14	0.0459	5
10/13/2004	304	7	0.023	2
10/14/2004	335	5.2	0.0155 J	2
10/15/2004	397	9.7	0.0244	2
10/19/2004	337	5.4	0.016	2
10/20/2004	300	8.4	0.028	3
10/21/2004	293	0	--	--
10/22/2004	361	5.7	0.0158	2
10/25/2004	360	18	0.05	5
10/26/2004	297	8.8	0.0296	3
10/27/2004	328	7.6	0.0232	2
10/28/2004	317	9.2	0.029	3
10/29/2004	387	12	0.031	3
11/1/2004	354	11	0.0311	3
11/2/2004	343	4.6	0.0134	1
11/3/2004	366	2.8	0.0077	1
11/4/2004	347	2.5	0.0072	1
11/5/2004	425	11	0.0259	3
11/8/2004	356	11	0.0309	3
11/9/2004	341	23	0.0674	7
11/10/2004	338	44	0.1302	13
11/11/2004	347	13	0.0375	4

* Results not reported due to machine malfunctioning

TABLE G.10

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
11/12/2004	467	18	0.0385	4
11/15/2004	303	39	0.1287	13
11/16/2004	381	41	0.1076	11
11/17/2004	365	44	0.1205	12
11/18/2004	299	17	0.0569	6
11/19/2004	446	13	0.0291	3
11/22/2004	397	4.7	0.0118	1
11/29/2004	361	3.9	0.0108	1
11/30/2004	402	2.8	0.007	1
12/1/2004	269	6.7	0.0249	2
12/6/2004	288	12	0.0417	4
12/13/2004	301	0	--	--
12/21/2004	276	4.3	0.0156	2
1/4/2005	306	18	0.0588	6
1/10/2005	296	4.6	0.0155	2
1/18/2005	308	2.2	0.0071	1
1/25/2005	288	4.5	0.0156	2
1/31/2005	307	6.9	0.0225	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/6/03	366	10.0	0.0274	3
9/7/03	392	2.9	0.0074	1
9/11/03	371	2.6	0.0070	1
9/15/03	366	6.5	0.0178	2
9/16/03	303	2.5	0.0083	1
9/17/03	344	ND	--	--
9/18/03	382	3.5	0.0092	1
9/19/03	378	3.9	0.0103	1
9/22/03	360	7.9	0.0219	2
9/23/03	368	4.9	0.0133	1
9/24/03	342	3.8	0.0111	1
9/25/03	443	3.4	0.0077	1
10/7/03	310	3.2	0.0103	1
10/8/03	320	2.1	0.0066	1
10/8/03	262	ND	--	--
10/9/03	438	4.9	0.0112	1
10/9/03	344	5.4	0.0157	2
10/13/03	313	3.2	0.0102	1
10/15/03	363	8.1	0.0223	2
10/15/03	375	7.3	0.0195	2
10/16/03	388	5.0	0.0129	1
10/16/03	383	5.1	0.0133	1
10/17/03	355	2.6	0.0073	1
10/17/03	367	3.0	0.0082	1
10/20/03	360	3.5	0.0097	1
10/21/03	362	4.6	0.0127	1
10/21/03	341	4.1	0.0120	1
10/22/03	367	ND	--	--
10/22/03	388	4.0	0.0103	1
10/23/03	452	3.8	0.0084	1
10/23/03	437	3.1	0.0071	1
10/27/03	364	3.6	0.0099	1
10/27/03	368	3.5	0.0095	1
10/29/03	429	5.3	0.0124	1
10/29/03	424	5.4	0.0127	1
10/30/03	362	5.5	0.0152	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/30/03	373	4.4	0.0118	1
11/3/03	325	7.1	0.0218	2
11/3/03	324	7.8	0.0241	2
11/4/03	347	7.1	0.0205	2
11/4/03	345	7.3	0.0212	2
11/5/03	336	1.0	0.0030	0
11/5/03	343	1.2	0.0035	0
11/6/03	334	1.5	0.0045	0
11/6/03	348	2.0	0.0057 J	1
11/10/03	384	2.6	0.0068	1
11/10/03	368	2.5	0.0068	1
11/11/03	364	5.7	0.0157	2
11/11/03	348	5.4	0.0155	2
11/12/03	135	*	*	*
11/12/03	121	*	*	*
12/2/03	351	1.2	0.0034	0
12/2/03	341	1.5	0.0044	0
12/3/03	381	0.9	0.0024	0
12/3/03	368	1.0	0.0026	0
12/4/03	374	2.4	0.0064	1
12/4/03	375	2.4	0.0064	1
12/5/03	380	2.1	0.0055	1
12/5/03	375	2.2	0.0059	1
12/11/03	340	2.2	0.0065	1
12/11/03	354	2.2	0.0062	1
12/12/03	360	1.0	0.0028	0
12/12/03	374	1.0	0.0026	0
12/15/03	358	0.8	0.0023	0
12/15/03	357	0.9	0.0024	0
12/16/03	374	2.4	0.0064	1
12/16/03	372	2.4	0.0065	1
1/5/04	318	1.4	0.0044	0
1/5/04	303	1.3	0.0043	0
1/6/04	386	1.7	0.0044	0
1/6/04	380	2.0	0.0053	1
1/7/04	361	1.5	0.0042	0

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
1/7/04	351	1.2	0.0034	0
1/8/04	373	4.0	0.0107 J	1
1/9/04	394	1.0	0.0025	0
1/12/04	395	3.7	0.0094	1
1/13/04	382	3.3	0.0086	1
1/14/04	354	1.9	0.0054	1
1/15/04	434	1.6	0.0037	0
1/16/04	281	0.8	0.0028	0
1/19/04	724	3.0	0.0041	0
1/21/04	392	1.8	0.0046	0
1/22/04	399	1.1	0.0028	0
1/23/04	364	2.2	0.0060	1
1/26/04	389	1.4	0.0036	0
1/27/04	384	1.0	0.0026	0
1/29/04	419	0.8	0.0020	0
2/2/04	370	1.2	0.0032	0
2/2/04	369	1.3	0.0035	0
2/3/04	375	1.7	0.0045	0
2/3/04	360	1.7	0.0047	0
2/4/04	406	0.0	ND(0.0018)	--
2/4/04	376	0.0	ND(0.0020)	--
2/5/04	388	1.9	0.0049	0
2/5/04	348	1.9	0.0055	1
2/6/04	362	2.6	0.0072	1
2/9/04	391	1.4	0.0036	0
2/10/04	319	3.7	0.0116	1
2/10/04	332	4.3	0.0130	1
2/11/04	370	7.0	0.0189	2
2/12/04	409	1.7	0.0042	0
2/16/04	375	4.3	0.0115	1
2/16/04	375	4.1	0.0109	1
2/17/04	366	5.2	0.0142	1
2/17/04	367	5.0	0.0136	1
2/18/04	361	3.2	0.0089	1
2/18/04	348	3.1	0.0089	1
2/19/04	371	3.0	0.0081	1

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
2/19/04	390	3.3	0.0085	1
2/20/04	338	4.4	0.0130	1
2/20/04	327	4.0	0.0122	1
2/23/04	392	4.9	0.0125	1
2/23/04	392	4.5	0.0115	1
2/24/04	372	1.2	0.0032	0
2/24/04	372	1.0	0.0026	0
2/25/04	349	0.0	ND(0.0021)	--
2/25/04	349	0.0	ND(0.0021)	--
2/26/04	446	4.1	0.0092	1
3/5/04	341	7.8	0.0229	2
3/5/04	341	6.6	0.0194	2
3/8/04	332	2.4	0.0072	1
3/8/04	361	2.1	0.0058	1
3/9/04	366	4.8	0.0131	1
3/9/04	336	4.7	0.0140	1
3/10/04	293	3.0	0.0102	1
3/10/04	380	3.4	0.0089	1
3/11/04	276	2.7	0.0098	1
3/12/04	291	4.9	0.0168	2
3/15/04	304	1.0	0.0033	0
3/15/04	390	1.1	0.0028	0
3/16/04	301	0.9	0.0029	0
3/16/04	371	1.0	0.0027	0
3/17/04	300	1.1	0.0037 J	0
3/17/04	372	6.2	0.0167	2
3/18/04	368	5.8	0.0158	2
3/18/04	285	5.4	0.0189	2
3/19/04	291	2.7	0.0093	1
3/19/04	374	3.1	0.0083	1
3/22/04	347	3.0	0.0086	1
3/22/04	323	3.2	0.0099	1
3/23/04	261	4.0	0.0153	2
3/24/04	221	4.4	0.0199	2
3/24/04	345	5.8	0.0168	2
3/25/04	280	7.9	0.0282	3

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/25/04	364	9.2	0.0253	3
3/26/04	284	13.0	0.0458	5
3/26/04	369	5.2	0.0141	1
3/29/04	418	4.6	0.0110	1
3/29/04	313	4.1	0.0131	1
3/30/04	426	3.8	0.0089	1
3/30/04	309	3.3	0.0107	1
3/31/04	283	1.9	0.0067	1
3/31/04	350	2.0	0.0057	1
4/1/04	303	1.8	0.0059	1
4/1/04	360	1.9	0.0053	1
4/2/04	299	2.3	0.0077	1
4/2/04	356	2.2	0.0062	1
4/5/04	342	6.1	0.0178	2
4/5/04	423	5.7	0.0135	1
4/6/04	255	6.4	0.0251	3
4/6/04	316	6.4	0.0203	2
4/7/04	375	9.8	0.0261	3
4/7/04	301	11.0	0.0365	4
4/8/04	369	7.0	0.0190	2
4/8/04	284	6.8	0.0239	2
4/9/04	344	2.5	0.0073	1
4/9/04	276	2.2	0.0080	1
4/12/04	411	0.0	ND(0.0018)	--
4/12/04	305	0.0	ND(0.0025)	--
4/13/04	365	0.0	ND(0.0021)	--
4/13/04	271	0.5	0.0018 J	0
4/14/04	279	9.7	0.0348	3
4/14/04	362	9.5	0.0262	3
4/15/04	381	3.5	0.0092	1
4/15/04	293	3.3	0.0113	1
4/16/04	458	7.9	0.0172	2
4/16/04	352	6.4	0.0182	2
4/19/04	285	6.4	0.0225 J	2
4/19/04	375	8.0	0.0213	2
4/20/04	266	4.6	0.0173	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/20/04	363	4.7	0.0129	1
4/21/04	311	4.6	0.0148	1
4/21/04	419	5.3	0.0126	1
4/22/04	320	0.9	0.0028	0
4/22/04	234	0.8	0.0034	0
4/23/04	297	3.8	0.0128	1
4/23/04	353	3.2	0.0091	1
4/26/04	290	4.1	0.0141 J	1
4/26/04	346	4.8	0.0139 J	1
4/27/04	291	4.4	0.0151	2
4/27/04	364	4.4	0.0121	1
4/28/04	338	3.2	0.0095	1
4/28/04	266	3.4	0.0128	1
4/29/04	327	6.2	0.0190	2
4/29/04	373	5.4	0.0145	1
5/3/04	320	2.9	0.0091	1
5/3/04	366	2.8	0.0077	1
5/4/04	294	6.4	0.0218	2
5/4/04	336	6.3	0.0188	2
5/5/04	328	9.3	0.0284	3
5/5/04	315	8.6	0.0273	3
5/6/04	345	10.0	0.0290	3
5/6/04	345	9.1	0.0264	3
5/7/04	377	5.8	0.0154	2
5/7/04	393	6.5	0.0165	2
5/10/04	333	6.6	0.0198	2
5/10/04	320	6.6	0.0206	2
5/11/04	302	3.5	0.0116	1
5/11/04	328	4.3	0.0131	1
5/12/04	349	5.7	0.0163	2
5/12/04	364	6.8	0.0187	2
5/13/04	337	4.6	0.0136	1
5/13/04	337	4.5	0.0134	1
5/14/04	352	5.8	0.0165	2
5/14/04	352	5.2	0.0148	1
5/18/04	321	7.3	0.0227	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
5/18/04	294	7.0	0.0238	2
5/19/04	311	3.8	0.0122	1
5/19/04	324	5.2	0.0160	2
5/20/04	316	3.5	0.0111 J	1
5/20/04	290	18.0	0.0621 J	6
5/21/04	387	7.6	0.0196 J	2
5/21/04	354	7.6	0.0215	2
5/25/04	265	7.2	0.0272	3
5/25/04	257	6.6	0.0257	3
5/26/04	323	5.6	0.0173	2
5/26/04	295	5.0	0.0169	2
5/27/04	320	11.0	0.0344	3
5/27/04	306	11.0	0.0359	4
6/2/04	232	7.5	0.0323	3
6/2/04	319	6.8	0.0213	2
6/3/04	312	4.4	0.0141	1
6/3/04	227	6.2	0.0273	3
6/4/04	316	5.5	0.0174	2
6/4/04	427	5.2	0.0122	1
6/7/04	252	3.2	0.0127	1
6/7/04	369	2.5	0.0068	1
6/8/04	325	6.0	0.0185	2
6/8/04	240	5.8	0.0242	2
6/9/04	310	6.6	0.0213	2
6/9/04	225	7.1	0.0316	3
6/10/04	243	5.7	0.0235	2
6/10/04	334	4.3	0.0129	1
6/11/04	219	5.4	0.0247	2
6/11/04	302	5.4	0.0179	2
6/14/04	227	6.7	0.0295 J	3
6/14/04	313	5.3	0.0169 J	2
6/15/04	326	3.9	0.0120	1
6/15/04	237	4.2	0.0177	2
6/17/04	250	6.1	0.0244	2
6/17/04	290	5.9	0.0203	2
6/18/04	313	5.4	0.0173	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/18/04	298	6.1	0.0205	2
6/21/04	337	5.2	0.0154	2
6/21/04	337	4.6	0.0136	1
6/22/04	294	5.1	0.0173	2
6/22/04	294	4.4	0.0150	2
6/23/04	305	5.3	0.0174	2
6/23/04	320	3.9	0.0122	1
6/24/04	301	4.9	0.0163	2
6/24/04	315	4.5	0.0143	1
6/25/04	387	3.1	0.0080	1
6/25/04	406	2.8	0.0069	1
6/28/04	339	4.3	0.0127	1
6/28/04	324	4.3	0.0133	1
6/29/04	302	4.8	0.0159	2
6/29/04	274	4.9	0.0179	2
6/30/04	312	6.3	0.0202	2
6/30/04	284	6.7	0.0236	2
7/1/04	325	8.6	0.0265	3
7/1/04	374	8.0	0.0214	2
7/7/04	293	7.6	0.0259	3
7/7/04	321	7.3	0.0227	2
7/8/04	133	*	*	*
7/8/04	153	*	*	*
7/9/04	290	8.7	0.0300	3
7/9/04	319	9.1	0.0285	3
7/13/04	320	7.1	0.0222	2
7/13/04	305	7.3	0.0239	2
7/14/04	310	6.2	0.0200	2
7/14/04	268	5.9	0.0220	2
7/15/04	284	5.8	0.0204	2
7/15/04	296	6.3	0.0213	2
7/16/04	435	6.4	0.0147	1
7/16/04	417	5.7	0.0137	1
7/19/04	308	5.8	0.0188	2
7/19/04	320	6.4	0.0200	2
7/20/04	314	4.2	0.0134	1

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
7/20/04	328	4.7	0.0143	1
7/21/04	143	*	*	*
7/21/04	311	5.9	0.0190	2
7/22/04	314	8.8	0.0280	3
7/22/04	315	9.2	0.0292	3
7/23/04	331	3.1	0.0094	1
7/23/04	331	2.8	0.0085	1
7/26/04	331	2.9	0.0088	1
7/26/04	361	3.4	0.0094	1
7/27/04	309	3.3	0.0107	1
7/27/04	309	3.5	0.0113	1
7/28/04	124	*	*	*
7/28/04	112	*	*	*
7/29/04	121	*	*	*
7/29/04	109	*	*	*
7/30/04	288	4.8	0.0167	2
7/30/04	288	5.6	0.0194	2
8/2/2004	252	5.3	0.021	2
8/2/2004	280	5.2	0.0186	2
8/3/2004	272	5.3	0.0195	2
8/3/2004	286	5.2	0.0182	2
8/4/2004	288	5	0.0174	2
8/4/2004	191	5.2	0.0272	3
8/5/2004	280	1.5	0.0054	1
8/5/2004	266	2.1	0.0079	1
8/6/2004	332	2.1	0.0063	1
8/6/2004	348	2	0.0057	1
8/10/2004	271	5.1	0.0188	2
8/10/2004	285	4.5	0.0158	2
8/11/2004	354	3.3	0.0093	1
8/11/2004	327	3.7	0.0113	1
8/12/2004	313	3.1	0.0099	1
8/12/2004	339	2.4	0.0071	1
8/13/2004	412	2.3	0.0056	1
8/13/2004	446	2.2	0.0049	0
8/16/2004	346	3	0.0087	1

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
8/16/2004	375	3.2	0.0085	1
8/17/2004	328	2.1	0.0064	1
8/17/2004	344	2.3	0.0067	1
8/18/2004	348	5.6	0.0161	2
8/18/2004	334	5	0.015	2
8/19/2004	338	6.4	0.0189	2
8/19/2004	352	6.6	0.0188	2
8/20/2004	350	3	0.0086	1
8/20/2004	365	3.1	0.0085	1
8/23/2004	276	2	0.0072	1
8/23/2004	346	3.2	0.0092	1
8/24/2004	280	2	0.0071	1
8/24/2004	342	2.4	0.007	1
8/25/2004	327	2.9	0.0089	1
8/25/2004	327	2.9	0.0089	1
8/26/2004	363	3.4	0.0094	1
8/26/2004	363	2.7	0.0074	1
8/27/2004	386	5.6	0.0145	1
8/27/2004	370	4.3	0.0116	1
8/30/2004	347	4.7	0.0135	1
8/30/2004	347	4.7	0.0135	1
8/31/2004	336	2.7	0.008	1
8/31/2004	322	2.3	0.0071	1
9/1/2004	323	3	0.0093	1
9/1/2004	337	2.5	0.0074	1
9/2/2004	334	1.5	0.0045	0
9/2/2004	363	2	0.0055	1
9/3/2004	347	3.4	0.0098	1
9/3/2004	347	3.1	0.0089	1
9/8/2004	315	2	0.0063	1
9/8/2004	342	2.1	0.0061	1
9/9/2004	356	2.3	0.0065	1
9/9/2004	342	2.3	0.0067	1
9/10/2004	408	2.2	0.0054	1
9/10/2004	408	2	0.0049	0
9/13/2004	335	2.2	0.0066	1

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/13/2004	320	1.4	0.0044	0
9/14/2004	328	2.8	0.0085	1
9/14/2004	343	2.5	0.0073	1
9/15/2004	281	0.95	0.0034	0
9/15/2004	337	2.4	0.0071	1
9/16/2004	327	2.8	0.0086	1
9/16/2004	161	1.9	0.0118	1
9/17/2004	362	1.8	0.005	0
9/17/2004	187	1.5	0.008	1
9/18/2004	355	1.4	0.0039	0
9/18/2004	200	1	0.005	0
9/20/2004	308	1.3	0.0042	0
9/20/2004	167	0.91	0.0054	1
9/21/2004	168	4.4	0.0262	3
9/21/2004	323	6.2	0.0192	2
9/22/2004	291	7.3	0.0251	3
9/22/2004	303	5.8	0.0191	2
9/23/2004	331	8.5	0.0257	3
9/23/2004	362	7.6	0.021	2
9/24/2004	335	21	0.0627	6
9/24/2004	350	14	0.04	4
9/27/2004	348	32	0.092	9
9/27/2004	333	32	0.0961	10
9/28/2004	331	6.1	0.0184	2
9/28/2004	345	5.7	0.0165	2
9/29/2004	305	8.9	0.0292	3
9/29/2004	333	7.9	0.0237	2
9/30/2004	305	7.5	0.0246	2
9/30/2004	305	8.3	0.0272	3
10/1/2004	339	17	0.0501	5
10/1/2004	354	18	0.0508	5
10/2/2004	384	4.1	0.0107	1
10/2/2004	338	3.6	0.0107	1
10/4/2004	352	10	0.0284	3
10/4/2004	324	10	0.0309	3
10/5/2004	362	7.2	0.0199	2

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/5/2004	332	7.8	0.0235	2
10/7/2004	326	6.6	0.0202	2
10/7/2004	340	6.1	0.0179	2
10/8/2004	356	23	0.0646	6
10/8/2004	356	22	0.0618	6
10/11/2004	363	2.8	0.0077	1
10/11/2004	348	2.7	0.0078	1
10/12/2004	329	8.1	0.0246	2
10/12/2004	330	8.3	0.0252	3
10/13/2004	356	35	0.0983	10
10/13/2004	327	30	0.0917	9
10/14/2004	360	22	0.0611 J	6
10/14/2004	374	23	0.0615 J	6
10/15/2004	390	20	0.0513	5
10/15/2004	407	19	0.0467	5
10/19/2004	367	4	0.0109	1
10/19/2004	382	4.5	0.0118	1
10/20/2004	337	3.6	0.0107	1
10/20/2004	324	3.5	0.0108	1
10/21/2004	338	0	ND(0.0022)	--
10/21/2004	325	0	--	--
10/22/2004	404	2.9	0.0072	1
10/22/2004	404	2.6	0.0064	1
10/25/2004	391	11	0.0281	3
10/25/2004	407	11	0.027	3
10/26/2004	350	4.8	0.0137	1
10/26/2004	350	5.3	0.0151	2
10/27/2004	353	6.2	0.0176	2
10/27/2004	382	6.6	0.0173	2
10/28/2004	370	4.3	0.0116	1
10/28/2004	342	4	0.0117	1
10/29/2004	453	6.6	0.0146	1
10/29/2004	471	7.7	0.0163	2
11/1/2004	373	5.2	0.0139	1
11/1/2004	359	6	0.0167	2
11/16/2004	423	4.4	0.0104	1

* Results not reported due to machine malfunctioning

TABLE G.11

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
11/17/2004	374	23	0.0615	6
11/18/2004	364	24	0.0659	7
11/19/2004	434	14	0.0323	3
11/22/2004	461	2.8	0.0061	1
11/29/2004	395	2	0.0051	1
11/30/2004	398	8.1	0.0204	2
12/1/2004	378	6.1	0.0161	2
12/6/2004	308	6.2	0.0201	2
12/21/2004	326	0.64	0.002	0
1/10/2005	371	3.2	0.0086	1
1/18/2005	337	1	0.003	0
1/25/2005	356	3.5	0.0098	1
1/31/2005	352	3.2	0.0091	1

* Results not reported due to machine malfunctioning

TABLE G.12

STATION 5 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/3/03	349	ND	--	--
10/4/03	355	2.6	0.0073	1
10/5/03	339	ND	--	--
10/9/03	430	33.0	0.0767	8
10/13/03	314	28.0	0.0892	9
10/15/03	359	34.0	0.0947	9
10/16/03	366	9.3	0.0254	3
10/17/03	353	6.6	0.0187	2
10/20/03	328	14.0	0.0427	4
10/21/03	348	8.1	0.0233	2
10/22/03	364	7.1	0.0195	2
10/23/03	413	16.0	0.0387	4
10/27/03	365	6.4	0.0175	2
10/29/03	393	26.0	0.0662	7
10/30/03	355	21.0	0.0592	6
11/3/03	312	34.0	0.1090 J	11
11/4/03	335	26.0	0.0776	8
11/5/03	331	1.7	0.0051	1
11/6/03	337	1.5	0.0045	0
11/10/03	325	8.3	0.0255	3
11/11/03	353	18.0	0.0510	5
11/12/03	108	*	*	*
11/13/03	314	8.0	0.0255	3
11/14/03	330	3.9	0.0118	1
11/17/03	338	1.4	0.0041	0
11/19/03	342	26.0	0.0760	8
11/20/03	373	34.0	0.0912	9
11/21/03	370	41.0	0.1108	11
11/24/03	275	3.2	0.0116	1
11/24/03	369	3.6	0.0098	1
11/25/03	376	7.0	0.0186	2
11/25/03	403	6.8	0.0169	2
12/1/03	387	3.2	0.0083	1
12/1/03	290	2.3	0.0079	1

* Results not reported due to machine malfunctioning

TABLE G.12

STATION 5 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
12/2/03	384	1.0	0.0025	0
12/2/03	400	1.0	0.0025	0
12/3/03	360	140.0	0.3889	39
12/3/03	389	0.7	0.0018 J	0
12/4/03	387	3.1	0.0080	1
12/4/03	387	3.4	0.0088	1
12/5/03	403	2.2	0.0055	1
12/5/03	380	1.6	0.0042	0
1/8/04	340	3.9	0.0115 J	1
1/9/04	353	0.6	0.0017 J	0
1/12/04	393	9.7	0.0247	2
1/13/04	414	10.0	0.0242	2
1/14/04	382	2.7	0.0071	1
1/15/04	438	1.1	0.0025	0
1/19/04	738	3.7	0.0050	0
1/21/04	394	6.7	0.0170	2
1/22/04	403	2.4	0.0060	1
1/23/04	306	3.3	0.0108	1
1/26/04	392	2.8	0.0071	1
1/27/04	384	1.1	0.0029 J	0
1/28/04	409	2.2	0.0054	1
1/29/04	406	0.9	0.0022	0
2/2/04	404	3.4	0.0084	1
2/3/04	115	1.3	0.0113	1
2/3/04	410	1.8	0.0044	0
2/4/04	425	0.0	ND(0.0018)	--
2/5/04	379	3.9	0.0103	1
2/6/04	389	3.6	0.0093	1
2/9/04	423	4.8	0.0113	1
2/10/04	341	0.7	0.0019 J	0
2/11/04	-342	13.0	0.0380	-4
2/12/04	-378	3.0	0.0079	-1
2/25/04	334	0.0	ND(0.0022)	--
2/26/04	454	13.0	0.0286	3

* Results not reported due to machine malfunctioning

TABLE G.12

STATION 5 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/2/04	358	18.0	0.0503	5
3/2/04	158	*	*	*
3/3/04	373	9.9	0.0265	3
3/3/04	180	*	*	*
3/4/04	289	9.5	0.0329	3
3/4/04	344	8.9	0.0259	3
3/5/04	321	14.0	0.0436	4
3/5/04	368	11.0	0.0299	3
3/8/04	327	4.5	0.0138	1
3/8/04	405	4.8	0.0119	1
3/9/04	304	17.0	0.0559	6
3/10/04	294	14.0	0.0476	5
3/10/04	352	15.0	0.0426	4
3/11/04	264	4.7	0.0178 J	2
3/12/04	279	9.4	0.0337	3
3/15/04	368	1.7	0.0046	0
3/15/04	310	1.5	0.0048	0
3/16/04	301	2.1	0.0070	1
3/16/04	372	2.1	0.0056	1
3/17/04	376	11.0	0.0293	3
3/17/04	305	11.0	0.0361	4
3/18/04	360	10.0	0.0278	3
3/18/04	291	11.0	0.0378	4
3/19/04	481	19.0	0.0395	4
3/19/04	385	18.0	0.0468	5
3/22/04	339	9.3	0.0274	3
3/22/04	438	10.0	0.0228	2
3/23/04	326	15.0	0.0460	5
3/23/04	251	16.0	0.0637	6
3/24/04	347	10.0	0.0288	3
3/24/04	292	11.0	0.0377	4
3/25/04	297	18.0	0.0606	6
3/25/04	354	15.0	0.0424	4
3/26/04	299	38.0	0.1271	13

* Results not reported due to machine malfunctioning

TABLE G.12

STATION 5 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/26/04	355	39.0	0.1099	11
3/29/04	303	14.0	0.0462	5
3/29/04	366	14.0	0.0383	4
3/30/04	303	4.9	0.0162	2
3/30/04	271	3.6	0.0133	1
3/31/04	131	*	*	*
3/31/04	278	1.4	0.0050	0
4/1/04	321	2.0	0.0062	1
4/1/04	201	1.1	0.0055	1
4/2/04	310	2.3	0.0074	1
4/2/04	204	0.8	0.0040	0
4/5/04	426	24.0	0.0563	6
4/5/04	388	23.0	0.0593	6
6/14/04	298	7.2	0.0242 J	2
6/15/04	322	4.7	0.0146	1
6/18/04	230	4.2	0.0183	2
6/21/04	369	5.7	0.0154	2
6/22/04	319	4.6	0.0144	1
6/25/04	420	3.6	0.0086	1
6/28/04	327	5.4	0.0165	2
6/29/04	313	5.0	0.0160	2
6/30/04	290	9.1	0.0314	3
7/20/04	311	3.2	0.0103	1
7/28/04	318	3.4	0.0107	1
7/29/04	316	3.9	0.0123	1
7/30/04	314	3.9	0.0124	1

* Results not reported due to machine malfunctioning

TABLE G.13

STATION 6 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/3/03	388	2.6	0.0067	1
10/4/03	387	7.2	0.0186	2
10/5/03	347	9.4	0.0271	3
10/9/03	434	6.3	0.0145	1
10/13/03	295	13.0	0.0441	4
10/15/03	370	28.0	0.0757	8
10/16/03	416	11.0	0.0264	3
10/17/03	400	8.2	0.0205	2
10/20/03	374	11.0	0.0294	3
10/21/03	379	21.0	0.0554	6
10/22/03	370	20.0	0.0541	5
10/23/03	436	3.9	0.0089	1
10/27/03	373	8.8	0.0236	2
10/29/03	424	29.0	0.0684	7
10/30/03	347	24.0	0.0692	7
11/3/03	362	56.0	0.1547	15
11/4/03	377	45.0	0.1194	12
11/5/03	373	5.9	0.0158	2
11/6/03	379	4.7	0.0124	1
11/10/03	374	5.9	0.0158	2
11/11/03	373	31.0	0.0831	8
11/12/03	115	*	*	*
11/13/03	333	8.1	0.0243	2
11/14/03	372	4.1	0.0110	1
11/17/03	385	6.1	0.0158	2
11/19/03	368	17.0	0.0462	5
11/20/03	351	31.0	0.0883	9
11/21/03	398	37.0	0.0930	9
11/24/03	368	4.8	0.0130	1
11/25/03	400	5.4	0.0135	1
12/1/03	398	5.9	0.0148	1
12/2/03	385	2.8	0.0073	1
12/3/03	380	2.0	0.0053	1
12/4/03	386	7.9	0.0205	2

* Results not reported due to machine malfunctioning

TABLE G.13

STATION 6 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
12/5/03	404	5.7	0.0141	1
1/8/04	364	5.7	0.0157 J	2
1/9/04	379	2.0	0.0053	1
1/12/04	396	11.0	0.0278	3
1/13/04	385	6.4	0.0166	2
1/14/04	366	5.2	0.0142	1
1/15/04	442	3.4	0.0077	1
1/19/04	739	5.1	0.0069	1
1/21/04	395	7.4	0.0187	2
1/22/04	391	2.9	0.0074 J	1
1/23/04	369	9.3	0.0252	3
1/26/04	389	3.2	0.0082	1
1/27/04	379	1.8	0.0047 J	0
1/28/04	391	4.1	0.0105	1
1/29/04	414	2.8	0.0068	1
2/2/04	362	10.0	0.0276	3
2/3/04	334	4.3	0.0129	1
2/4/04	366	12.0	0.0328	3
2/5/04	329	13.0	0.0395	4
2/6/04	348	7.0	0.0201	2
2/9/04	387	7.7	0.0199	2
2/10/04	323	14.0	0.0433	4
2/11/04	372	36.0	0.0968	10
2/12/04	401	9.6	0.0239	2
2/25/04	350	3.8	0.0109	1
2/26/04	474	30.0	0.0633	6
3/2/04	380	50.0	0.1316	13
3/3/04	389	40.0	0.1028	10
3/4/04	372	26.0	0.0699	7
3/5/04	414	32.0	0.0773	8
3/8/04	425	10.0	0.0235	2
3/9/04	384	55.0	0.1432	14
3/10/04	370	46.0	0.1243	12
3/11/04	359	12.0	0.0334	3

* Results not reported due to machine malfunctioning

TABLE G.13

STATION 6 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/12/04	363	32.0	0.0882	9
3/15/04	389	18.0	0.0463	5
3/16/04	380	11.0	0.0289	3
3/17/04	387	44.0	0.1137	11
3/18/04	408	44.0	0.1078	11
3/19/04	489	62.0	0.1268	13
3/22/04	416	20.0	0.0481	5
3/23/04	334	27.0	0.0808	8
3/24/04	339	8.9	0.0263	3
3/25/04	347	25.0	0.0720	7
3/26/04	345	57.0	0.1652	17
3/29/04	388	21.0	0.0541	5
3/30/04	409	13.0	0.0318	3
3/31/04	321	10.0	0.0312	3
4/1/04	307	11.0	0.0358	4
4/2/04	314	27.0	0.0860	9
4/5/04	378	31.0	0.0820	8
4/6/04	221	18.0	0.0814	8
4/7/04	348	53.0	0.1523	15
4/8/04	311	45.0	0.1447	14
4/9/04	287	25.0	0.0871	9
4/12/04	328	13.0	0.0396	4
4/13/04	299	16.0	0.0535	5
4/14/04	321	29.0	0.0903	9
4/15/04	368	24.0	0.0652	7
4/16/04	468	28.0	0.0598	6
4/19/04	407	54.0	0.1327	13
4/20/04	374	2.8	0.0075	1
4/21/04	444	30.0	0.0676	7
4/22/04	317	21.0	0.0662	7
4/23/04	422	29.0	0.0687	7
4/26/04	405	22.0	0.0543 J	5
4/27/04	358	10.0	0.0279	3
4/28/04	361	12.0	0.0332	3

* Results not reported due to machine malfunctioning

TABLE G.13

STATION 6 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/29/04	367	16.0	0.0436	4
5/3/04	73	*	*	*
5/4/04	397	10.0	0.0252	3
5/5/04	356	25.0	0.0702	7
5/6/04	358	15.0	0.0419	4
5/7/04	400	44.0	0.1100	11
5/10/04	406	25.0	0.0616	6
5/11/04	333	23.0	0.0691	7
5/12/04	415	14.0	0.0337	3
5/13/04	353	9.8	0.0278	3
5/14/04	405	14.0	0.0346	3
5/18/04	347	8.7	0.0251	3
5/19/04	358	8.8	0.0246	2
5/20/04	328	11.0	0.0335 J	3
5/21/04	407	17.0	0.0418 J	4
5/25/04	270	11.0	0.0407	4
6/2/04	340	14.0	0.0412	4
6/4/04	492	18.0	0.0366	4
6/7/04	341	11.0	0.0323	3
6/8/04	336	18.0	0.0536	5
6/9/04	354	9.8	0.0277	3
6/10/04	387	10.0	0.0258	3
6/11/04	334	12.0	0.0359	4
6/14/04	390	11.0	0.0282 J	3
6/15/04	134	*	*	*
6/18/04	375	5.7	0.0152	2
6/21/04	397	5.0	0.0126	1
6/22/04	341	5.7	0.0167	2
6/25/04	487	5.1	0.0105	1
6/28/04	363	13.0	0.0358	4
6/29/04	352	10.0	0.0284	3
6/30/04	322	25.0	0.0776	8
7/1/04	376	12.0	0.0319	3
7/7/04	411	0.0	ND(0.0018)	--

* Results not reported due to machine malfunctioning

TABLE G.13

STATION 6 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
7/15/04	300	5.0	0.0167	2
7/16/04	412	4.7	0.0114	1
7/19/04	90	*	*	*
7/20/04	338	4.1	0.0121	1
7/22/04	330	4.2	0.0127	1
7/23/04	357	3.9	0.0109	1
7/28/04	330	3.7	0.0112	1
7/29/04	330	8.2	0.0248	2
7/30/04	376	4.3	0.0114	1
7/31/04	390	13.0	0.0333	3
8/2/2004	375	20	0.0533	5
8/3/2004	348	9	0.0259	3
8/4/2004	389	5.6	0.0144	1
8/5/2004	369	4	0.0108	1
8/18/2004	372	3.4	0.0091	1
8/19/2004	395	3.6	0.0091	1
8/20/2004	390	2.2	0.0056	1
8/24/2004	399	2.1	0.0053	1
9/8/2004	368	1.4	0.0038	0
9/9/2004	372	2.2	0.0059	1
9/10/2004	438	2.3	0.0053	1
9/13/2004	397	2.2	0.0055	1
9/14/2004	384	1.9	0.0049	0
9/15/2004	393	2.1	0.0053	1
9/16/2004	352	2.5	0.0071	1
9/17/2004	128	*	*	*
9/18/2004	381	1.6	0.0042	0
9/20/2004	326	1.4	0.0043	0
9/22/2004	336	2.4	0.0071	1
9/23/2004	400	2.7	0.0068	1
9/24/2004	386	4.3	0.0111	1
9/27/2004	460	3.9	0.0085	1
9/28/2004	340	2.5	0.0074	1

* Results not reported due to machine malfunctioning

TABLE G.14

STATION 7 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/4/03	360	2.5	0.0069	1
10/5/03	323	5.3	0.0164	2
10/9/03	443	25.0	0.0564	6
10/13/03	305	3.8	0.0125	1
10/15/03	349	6.3	0.0181	2
10/16/03	389	16.0	0.0411	4
10/17/03	365	6.5	0.0178	2
10/20/03	348	21.0	0.0603	6
10/21/03	352	24.0	0.0682	7
10/22/03	365	14.0	0.0384	4
10/23/03	398	10.0	0.0251	3
10/27/03	348	8.8	0.0253	3
10/29/03	394	15.0	0.0381	4
10/30/03	338	18.0	0.0533	5
11/3/03	327	19.0	0.0581	6
11/4/03	342	36.0	0.1053	11
11/5/03	351	8.4	0.0239	2
11/6/03	333	2.9	0.0087	1
11/10/03	355	10.0	0.0282	3
11/11/03	312	27.0	0.0865	9
11/12/03	94	*	*	*
11/13/03	325	10.0	0.0308	3
11/14/03	353	7.0	0.0198	2
11/17/03	332	3.1	0.0093	1
11/19/03	298	16.0	0.0537	5
11/20/03	341	4.5	0.0132	1
11/21/03	345	6.5	0.0188	2
11/24/03	352	10.0	0.0284	3
11/25/03	378	3.5	0.0093	1
12/1/03	392	7.1	0.0181 J	2
12/2/03	379	1.3	0.0034	0
12/3/03	373	2.3	0.0062	1
12/4/03	366	14.0	0.0383	4
12/5/03	368	12.0	0.0326	3

* Results not reported due to machine malfunctioning

TABLE G.14

STATION 7 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
1/8/04	360	6.9	0.0192 J	2
1/9/04	389	1.4	0.0036	0
1/12/04	366	10.0	0.0273	3
1/13/04	382	3.3	0.0086	1
1/14/04	349	9.1	0.0261	3
1/15/04	398	2.9	0.0073	1
1/19/04	747	5.7	0.0076	1
1/21/04	389	9.0	0.0231	2
1/22/04	401	3.6	0.0090 J	1
1/23/04	378	7.7	0.0204	2
1/26/04	404	4.3	0.0106	1
1/27/04	322	1.5	0.0047	0
1/28/04	430	2.6	0.0060	1
1/29/04	428	2.1	0.0049	0
2/2/04	389	4.9	0.0126	1
2/3/04	397	4.6	0.0116	1
2/4/04	387	8.0	0.0207	2
2/5/04	363	11.0	0.0303	3
2/6/04	360	6.9	0.0192	2
2/9/04	414	8.0	0.0193	2
2/10/04	343	10.0	0.0292	3
2/11/04	367	5.8	0.0158	2
2/12/04	386	8.7	0.0225	2
2/25/04	318	3.4	0.0107	1
2/26/04	428	11.0	0.0257	3
3/1/04	365	14.0	0.0384	4
3/2/04	355	21.0	0.0592	6
3/3/04	367	32.0	0.0872	9
3/4/04	334	12.0	0.0359	4
3/5/04	363	36.0	0.0992	10
3/8/04	389	12.0	0.0308	3
3/9/04	374	23.0	0.0615	6
3/10/04	362	9.7	0.0268	3
3/11/04	321	12.0	0.0374	4

* Results not reported due to machine malfunctioning

TABLE G.14

STATION 7 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
3/12/04	337	14.0	0.0415	4
3/15/04	362	14.0	0.0387	4
3/16/04	352	6.6	0.0188	2
3/17/04	344	19.0	0.0552	6
3/18/04	370	25.0	0.0676	7
3/19/04	491	27.0	0.0550	6
3/22/04	408	5.7	0.0140	1
3/23/04	313	7.8	0.0249	2
3/24/04	344	11.0	0.0320	3
3/25/04	351	14.0	0.0399	4
3/26/04	334	27.0	0.0808	8
3/29/04	385	6.7	0.0174	2
3/30/04	396	24.0	0.0606	6
3/31/04	322	8.7	0.0270	3
4/1/04	352	13.0	0.0369	4
4/2/04	346	16.0	0.0462	5
4/5/04	412	6.7	0.0163	2
6/18/04	358	4.7	0.0131	1
6/21/04	412	4.1	0.0100 J	1
6/22/04	314	5.2	0.0166	2
6/25/04	468	4.0	0.0085	1
6/28/04	377	7.6	0.0202	2
6/29/04	334	7.0	0.0210	2
6/30/04	321	7.5	0.0234	2
7/20/04	256	0.0	ND(0.0029)	--
7/28/04	268	1.8	0.0067	1
7/29/04	327	6.1	0.0187	2
7/30/04	344	2.4	0.0070	1

* Results not reported due to machine malfunctioning

TABLE G.15

STATION 8A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
10/3/03	349	3.7	0.0106	1
10/4/03	361	6.3	0.0175	2
10/5/03	323	7.3	0.0226	2
10/9/03	423	292.5	0.6915	69
10/13/03	328	152.5	0.4649	46
10/15/03	363	57.0	0.1570	16
10/16/03	367	205.0	0.5586	56
10/17/03	375	285.0	0.7600	76
10/20/03	357	13.0	0.0364	4
10/21/03	348	142.5	0.4095	41
10/22/03	369	325.0	0.8808	88
10/23/03	427	1085.0	2.5410	254
10/27/03	346	534.0	1.5434	154
10/29/03	408	464.0	1.1373	114
10/30/03	338	375.0	1.1095	111
11/3/03	322	440.0	1.3665	137
11/4/03	329	160.0	0.4863	49
11/5/03	334	130.0	0.3892	39
11/6/03	315	24.0	0.0762 J	8
11/10/03	369	110.0	0.2981	30
11/11/03	375	68.0	0.1813	18
11/12/03	314	7.0	0.0223	2
11/13/03	296	19.0	0.0642	6
11/14/03	336	75.0	0.2232	22
11/17/03	339	180.0	0.5310	53
11/19/03	381	180.0	0.4724	47
11/20/03	335	170.0	0.5075	51
11/21/03	372	240.0	0.6452	65
11/24/03	351	54.0	0.1538	15
11/25/03	373	140.0	0.3753	38
12/1/03	376	20.0	0.0532 J	5
12/2/03	366	100.0	0.2732	27
12/3/03	369	0.7	0.0018 J	0
12/4/03	364	130.0	0.3571	36
12/5/03	366	53.0	0.1448	14

* Results not reported due to machine malfunctioning

TABLE G.15

STATION 8A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
1/8/04	142	*	*	*
1/9/04	18	*	*	*
1/12/04	352	1.2	0.0034	0
1/13/04	350	2.4	0.0069	1
1/14/04	319	1.0	0.0031	0
1/15/04	384	1.3	0.0034	0
1/19/04	610	2.3	0.0038	0
1/21/04	311	0.8	0.0026	0
1/22/04	325	0.0	ND(0.0023)	--
1/23/04	292	1.1	0.0038	0
1/26/04	379	1.2	0.0032	0
1/27/04	349	0.0	ND(0.0021)	--
1/28/04	226	*	*	*
2/2/04	0	*	*	*
2/3/04	0	*	*	*
2/4/04	0	*	*	*
2/9/04	428	0.0	ND(0.0018)	--
2/10/04	353	0.7	0.0020 J	0
2/11/04	408	1.4	0.0034	0
2/12/04	368	0.0	ND(0.0020)	--
2/25/04	333	3.5	0.0105	1
3/2/04	358	3.3	0.0092	1
3/3/04	378	4.2	0.0111	1
3/4/04	324	1.9	0.0059	1
3/5/04	363	0.6	0.0018 J	0
3/8/04	388	2.2	0.0057	1
3/9/04	375	3.4	0.0091	1
3/10/04	363	1.2	0.0033	0
3/11/04	323	0.0	ND(0.0023)	--
3/12/04	334	2.0	0.0060	1
3/15/04	349	3.9	0.0112	1
3/16/04	378	2.0	0.0053	1
3/17/04	332	1.1	0.0033	0
4/1/04	318	0.7	0.0023 J	0
4/2/04	330	1.3	0.0039	0

* Results not reported due to machine malfunctioning

TABLE G.15

STATION 8A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/5/04	387	2.5	0.0065	1
6/15/04	92	*	*	*
6/18/04	276	3.5	0.0127	1
6/21/04	323	2.0	0.0062	1
6/22/04	253	4.7	0.0186	2
6/25/04	364	5.5	0.0151	2
6/28/04	300	7.5	0.0250	2
6/29/04	270	7.0	0.0259	3
6/30/04	267	7.6	0.0285	3
7/20/04	347	3.7	0.0107	1
7/28/04	367	3.3	0.0090	1
7/29/04	340	3.5	0.0103	1
7/30/04	336	1.7	0.0051	1

* Results not reported due to machine malfunctioning

TABLE G.16

STATION 9A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/19/04	290	6.9	0.0238 J	2
4/19/04	105	*	*	*
4/20/04	347	5.5	0.0159	2
4/20/04	211	2.5	0.0118	1
4/21/04	242	2.8	0.0116	1
4/21/04	191	*	*	*
4/22/04	278	2.6	0.0094	1
4/22/04	177	2.1	0.0119	1
4/23/04	391	1.9	0.0049	0
4/23/04	228	1.8	0.0079	1
4/26/04	245	8.1	0.0331 J	3
4/26/04	439	8.8	0.0200 J	2
4/27/04	199	4.7	0.0236	2
4/27/04	357	5.5	0.0154	2
4/28/04	254	3.2	0.0126	1
4/28/04	292	1.9	0.0065	1
4/29/04	288	5.5	0.0191	2
4/29/04	327	3.3	0.0101	1
5/3/04	231	3.1	0.0134	1
5/3/04	347	3.4	0.0098	1
5/4/04	316	6.0	0.0190	2
5/4/04	205	6.3	0.0307	3
5/5/04	289	19.0	0.0657	7
5/5/04	186	16.0	0.0860	9
5/6/04	315	6.5	0.0206	2
5/6/04	310	7.1	0.0229	2
5/7/04	342	11.0	0.0322	3
5/7/04	324	12.0	0.0370	4
5/10/04	335	6.7	0.0200	2
5/10/04	339	7.9	0.0233	2
5/11/04	315	3.5	0.0111	1
5/11/04	311	3.9	0.0125	1
5/12/04	320	3.1	0.0097	1
5/12/04	339	2.8	0.0083	1

* Results not reported due to machine malfunctioning

TABLE G.16

STATION 9A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
5/13/04	254	2.0	0.0079	1
5/13/04	243	2.0	0.0082	1
5/14/04	327	8.2	0.0251	3
5/14/04	155	*	*	*
5/18/04	247	2.6	0.0105	1
5/18/04	256	2.7	0.0105	1
5/19/04	268	6.0	0.0224	2
5/19/04	271	3.1	0.0114	1
5/20/04	248	3.2	0.0129 J	1
5/20/04	264	3.1	0.0117 J	1
5/21/04	341	4.3	0.0126	1
5/21/04	314	4.6	0.0146	1
5/25/04	215	12.0	0.0558	6
5/25/04	224	13.0	0.0580	6
6/2/04	316	7.0	0.0222	2
6/2/04	349	6.8	0.0195	2
6/3/04	311	3.1	0.0100	1
6/3/04	343	2.7	0.0079	1
6/4/04	450	4.1	0.0091	1
6/4/04	406	4.3	0.0106	1
6/7/04	401	2.0	0.0050	0
6/7/04	367	2.4	0.0065	1
6/8/04	318	3.2	0.0101	1
6/8/04	315	2.5	0.0079	1
6/9/04	347	2.6	0.0075	1
6/9/04	300	2.5	0.0083	1
6/10/04	288	1.6	0.0056	1
6/10/04	291	2.0	0.0069	1
6/11/04	267	2.9	0.0109	1
6/11/04	275	2.3	0.0084	1
6/14/04	295	2.7	0.0092 J	1
6/14/04	288	2.5	0.0087 J	1
6/30/04	271	3.7	0.0137	1
6/30/04	289	3.3	0.0114	1

* Results not reported due to machine malfunctioning

TABLE G.16

STATION 9A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
7/1/04	300	4.7	0.0157	2
7/1/04	322	5.0	0.0155	2
7/7/04	315	3.6	0.0114	1
7/7/04	321	3.5	0.0109	1
7/15/04	273	2.7	0.0099	1
7/15/04	280	2.5	0.0089	1
7/16/04	362	2.8	0.0077	1
7/16/04	354	2.0	0.0056	1
7/19/04	307	2.6	0.0085	1
7/19/04	299	2.8	0.0094	1
7/22/04	300	3.0	0.0100	1
7/22/04	63	*	*	*
7/23/04	347	1.1	0.0032	0
7/23/04	314	1.1	0.0035	0
7/31/04	358	2.7	0.0075	1
7/31/04	322	2.7	0.0084	1
8/2/2004	285	3.3	0.0116	1
8/2/2004	352	3.4	0.0097	1
8/3/2004	105	*	*	*
8/3/2004	300	2.8	0.0093	1
8/4/2004	308	4.9	0.0159	2
8/4/2004	328	4.5	0.0137	1
8/5/2004	279	1.9	0.0068	1
8/5/2004	340	2.2	0.0065	1
8/18/2004	361	1.6	0.0044	0
8/18/2004	314	1.6	0.0051	1
8/19/2004	384	3	0.0078	1
8/19/2004	320	2.7	0.0084	1
8/20/2004	391	1.1	0.0028	0
8/20/2004	343	1.5	0.0044	0
8/24/2004	338	1.2	0.0036	0
8/24/2004	373	1.2	0.0032	0
9/8/2004	327	0.98	0.003	0
9/8/2004	372	0.88	0.0024	0

* Results not reported due to machine malfunctioning

TABLE G.16

STATION 9A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/9/2004	304	1.4	0.0046	0
9/9/2004	284	1.6	0.0056	1
9/10/2004	435	1.9	0.0044	0
9/10/2004	384	1.9	0.0049	0
9/13/2004	322	1.9	0.0059	1
9/13/2004	355	1.5	0.0042	0
9/14/2004	308	0	ND(0.0024)	--
9/14/2004	370	1.2	0.0032	0
9/15/2004	328	0.85	0.0026	0
9/15/2004	365	0.92	0.0025	0
9/16/2004	338	0.59	0.0017	0
9/16/2004	306	0.83	0.0027	0
9/17/2004	309	0.85	0.0028	0
9/17/2004	340	0.87	0.0026	0
9/18/2004	333	0.83	0.0025	0
9/18/2004	274	0.77	0.0028	0
9/20/2004	333	0.81	0.0024	0
9/20/2004	318	0.8	0.0025	0
9/21/2004	338	1.6	0.0047	0
9/21/2004	285	1.7	0.006	1
9/22/2004	322	1.3	0.004	0
9/22/2004	276	1.6	0.0058	1
9/23/2004	287	1.8	0.0063	1
9/23/2004	318	2	0.0063	1
9/24/2004	301	2.1	0.007	1
9/24/2004	318	2.6	0.0082	1
9/27/2004	344	1.4	0.0041	0
9/27/2004	337	1.8	0.0053	1
9/28/2004	283	0.77	0.0027	0
9/28/2004	300	0.63	0.0021	0

* Results not reported due to machine malfunctioning

TABLE G.17

STATION 10 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/7/04	294	8.0	0.0272	3
4/8/04	313	6.2	0.0198	2
4/9/04	281	2.9	0.0103	1
4/12/04	325	0.7	0.0023 J	0
4/13/04	292	0.0	ND(0.0026)	--
4/14/04	325	18.0	0.0554	6
4/15/04	380	12.0	0.0316	3
4/16/04	358	9.4	0.0263	3
4/19/04	360	4.7	0.0131	1
4/20/04	336	2.6	0.0077	1
4/21/04	393	4.1	0.0104	1
4/22/04	283	0.7	0.0023 J	0
4/23/04	367	4.1	0.0112	1
4/26/04	365	3.1	0.0085 J	1
4/27/04	318	4.9	0.0154	2
4/28/04	340	4.6	0.0135	1
4/29/04	367	8.8	0.0240	2
5/3/04	382	3.6	0.0094	1
5/4/04	361	7.9	0.0219	2
5/5/04	318	13.0	0.0409	4
5/6/04	338	8.2	0.0243 J	2
5/7/04	372	7.4	0.0199	2
5/10/04	363	11.0	0.0303	3
5/11/04	343	11.0	0.0321	3
5/12/04	329	12.0	0.0365	4
5/13/04	269	27.0	0.1004	10
5/14/04	305	3.7	0.0121	1
5/18/04	299	4.6	0.0154	2
5/19/04	290	3.0	0.0103	1
5/20/04	295	4.8	0.0163 J	2
5/21/04	342	8.3	0.0243	2
5/25/04	243	17.0	0.0700	7
6/2/04	338	3.9	0.0115	1
6/3/04	364	6.0	0.0165	2

* Results not reported due to machine malfunctioning

TABLE G.17

STATION 10 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/4/04	474	7.0	0.0148	1
6/7/04	391	8.5	0.0217	2
6/8/04	328	8.1	0.0247	2
6/9/04	346	6.0	0.0173	2
6/10/04	378	8.9	0.0235	2
6/11/04	335	3.6	0.0107	1
6/14/04	364	4.7	0.0129 J	1
6/15/04	356	2.9	0.0081	1
6/30/04	353	5.4	0.0153	2
7/1/04	338	4.9	0.0145	1
7/7/04	342	3.3	0.0096	1
7/15/04	295	3.6	0.0122	1
7/16/04	404	4.7	0.0116	1
7/19/04	144	*	*	*
7/22/04	329	3.0	0.0091	1
7/23/04	321	1.6	0.0050	0
7/31/04	341	2.6	0.0076	1
8/2/2004	363	4.7	0.0129	1
8/3/2004	324	5	0.0154	2
8/4/2004	349	2.2	0.0063	1
8/5/2004	335	1.3	0.0039	0
8/18/2004	347	3.7	0.0107	1
8/19/2004	65	*	*	*
8/20/2004	366	1.3	0.0036	0
8/24/2004	379	2.9	0.0077	1
9/8/2004	272	0.94	0.0035	0
9/9/2004	311	1.9	0.0061	1
9/10/2004	385	2.7	0.007	1
9/13/2004	264	2.8	0.0106	1
9/14/2004	318	2.6	0.0082	1
9/15/2004	371	2.5	0.0067	1
9/16/2004	321	1.7	0.0053	1
9/17/2004	358	1.9	0.0053	1
9/18/2004	396	2.2	0.0056	1

* Results not reported due to machine malfunctioning

TABLE G.17

STATION 10 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/20/2004	312	2.4	0.0077	1
9/21/2004	367	3.1	0.0084	1
9/22/2004	317	3.2	0.0101	1
9/23/2004	362	3.1	0.0086	1
9/24/2004	363	4.1	0.0113	1
9/27/2004	369	7.6	0.0206	2
9/28/2004	321	2.2	0.0069	1
10/1/2004	248	2.5	0.0101	1
10/2/2004	375	2.3	0.0061	1
10/4/2004	336	3.5	0.0104	1
10/5/2004	382	9.2	0.0241	2
10/7/2004	348	5	0.0144	1
10/8/2004	384	8.3	0.0216	2
10/11/2004	364	6.8	0.0187	2
10/12/2004	345	7.7	0.0223	2
10/13/2004	285	4.4	0.0154	2
10/14/2004	364	4.1	0.0113 J	1
10/26/2004	308	4.5	0.0146	1
11/3/2004	382	0.51	0.0013 J	0
11/4/2004	356	1.2	0.0034	0
11/9/2004	432	4.5	0.0104	1
11/10/2004	389	3.4	0.0087	1
11/12/2004	532	14	0.0263	3
11/15/2004	358	7.2	0.0201	2
11/16/2004	398	2.6	0.0065	1
11/17/2004	342	2.6	0.0076	1
11/18/2004	387	5.1	0.0132	1
11/19/2004	415	1.6	0.0039	0
11/22/2004	407	2.9	0.0071	1
11/30/2004	323	2.3	0.0071	1
12/1/2004	344	1.6	0.0047	0
12/6/2004	307	16	0.0521	5
1/25/2005	334	1.1	0.0033	0

* Results not reported due to machine malfunctioning

TABLE G.18

STATION 11 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
4/7/04	356	5.2	0.0146	1
4/8/04	348	0.9	0.0025	0
4/9/04	320	0.0	ND(0.0023)	--
4/12/04	384	0.9	0.0023	0
4/13/04	375	0.0	ND(0.0020)	--
4/14/04	264	1.1	0.0042	0
4/15/04	333	2.8	0.0084	1
4/16/04	288	3.9	0.0135	1
4/19/04	319	5.9	0.0185	2
4/20/04	293	19.0	0.0648	6
4/21/04	341	2.5	0.0073	1
4/22/04	222	0.6	0.0028 J	0
4/23/04	308	1.0	0.0032	0
4/26/04	320	3.3	0.0103 J	1
4/27/04	281	1.1	0.0039	0
4/28/04	268	1.0	0.0037	0
4/29/04	348	1.8	0.0052	1
5/3/04	398	1.4	0.0035	0
5/4/04	365	2.3	0.0063	1
5/5/04	316	5.9	0.0187	2
5/6/04	344	8.2	0.0238 J	2
5/7/04	361	4.4	0.0122	1
5/10/04	366	3.7	0.0101	1
5/11/04	342	0.9	0.0025	0
5/12/04	366	1.4	0.0038	0
5/13/04	278	0.0	ND	--
5/14/04	367	2.7	0.0074	1
5/18/04	302	1.7	0.0056	1
5/19/04	320	1.8	0.0056	1
5/20/04	289	2.4	0.0083 J	1
5/21/04	358	3.1	0.0087	1
5/25/04	244	4.9	0.0201	2
6/2/04	315	3.1	0.0098	1
6/3/04	350	2.2	0.0063	1

* Results not reported due to machine malfunctioning

TABLE G.18

STATION 11 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
6/4/04	436	1.5	0.0034	0
6/7/04	396	1.4	0.0035	0
6/8/04	325	1.3	0.0040	0
6/9/04	338	1.7	0.0050	0
6/10/04	331	1.0	0.0029	0
6/11/04	306	1.1	0.0036	0
6/14/04	336	1.9	0.0057 J	1
6/30/04	309	3.1	0.0100	1
7/1/04	334	2.3	0.0069	1
7/7/04	355	2.5	0.0070	1
7/15/04	324	1.5	0.0046	0
7/16/04	401	1.4	0.0035	0
7/19/04	362	1.8	0.0050	0
7/22/04	350	2.4	0.0069	1
7/23/04	330	0.0	ND(0.0023)	--
7/31/04	334	1.3	0.0039	0
8/2/2004	331	1.3	0.0039	0
8/3/2004	317	1.6	0.005	0
8/4/2004	323	1.6	0.005	0
8/5/2004	318	0	ND(0.0024)	--
8/18/2004	357	1.9	0.0053	1
8/19/2004	379	1.5	0.004	0
8/20/2004	332	1.2	0.0036	0
8/24/2004	367	0.61	0.0017	0
9/8/2004	386	0.66	0.0017	0
9/9/2004	324	0.72	0.0022	0
9/10/2004	413	0.67	0.0016	0
9/13/2004	366	0.68	0.0019	0
9/14/2004	372	0	ND(0.002)	--
9/15/2004	388	0	ND(0.0019)	--
9/16/2004	346	0.58	0.0017	0
9/17/2004	339	0.6	0.0018	0
9/18/2004	397	0	ND(0.0019)	--
9/20/2004	382	0.54	0.0014	0

* Results not reported due to machine malfunctioning

TABLE G.18

STATION 11 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
9/21/2004	325	0.99	0.003	0
9/22/2004	330	1.2	0.0036	0
9/23/2004	375	1.9	0.0051	1
9/24/2004	358	2.6	0.0073	1
9/27/2004	370	2.4	0.0065	1
9/28/2004	353	1.2	0.0034	0
10/1/2004	225	*	*	*
10/2/2004	409	0.96	0.0023	0
10/4/2004	378	1.1	0.0029	0
10/5/2004	366	1.8	0.0049	0
10/7/2004	362	0	ND(0.0021)	--
10/8/2004	368	1.7	0.0046	0
10/11/2004	335	0	ND(0.0022)	--
10/12/2004	348	2.7	0.0078	1
10/13/2004	361	2.9	0.008	1
10/14/2004	330	2	0.0061 J	1
10/26/2004	365	1.1	0.003	0
11/3/2004	368	0	--	--
11/4/2004	354	0.82	0.0023	0
11/9/2004	416	0.64	0.0015 J	0
11/10/2004	328	0.96	0.0029	0
11/12/2004	501	0	--	--
11/15/2004	377	0.9	0.0024	0
11/16/2004	314	0	--	--
11/17/2004	349	1	0.0029	0
11/18/2004	303	0.95	0.0031	0
11/18/2004	351	1.3	0.0037	0
11/19/2004	353	1.1	0.0031	0
11/22/2004	454	0.57	0.0013 J	0
11/22/2004	370	0.66	0.0018 J	0
11/30/2004	334	1.2	0.0036	0
11/30/2004	410	1.2	0.0029	0
12/1/2004	389	0.79	0.002	0
12/1/2004	305	0.9	0.003	0

* Results not reported due to machine malfunctioning

TABLE G.18

STATION 11 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	*Total Volume*	*Total PCB Mass*	*PCB Concentration*	*Percent Allowable*
	m3	*ug*	*ug/m3*	*%*
12/6/2004	293	1.3	0.0044	0
1/25/2005	315	0.82	0.0026	0

* Results not reported due to machine malfunctioning