

**Proposal for Professional Services
Indefinite - Service, Indefinite - Delivery Contracts
Expanded Environmental Remediation ISID
Professional Environmental Consulting Services**

**Compliance, Inc.
223 Lake Avenue
Traverse City, MI 49684
June 12, 2013**



Authorization and Contact:

James E. Rossi, President
rossi@complianceinc.com

GENERAL PROPOSAL INFORMATION

Section 1.1 General Information and Project Team

Compliance, Inc.'s general corporate information is provided above and on the attached Professional Questionnaire for Part 1 (Attachment A – which is a separate file in electronic versions of our proposal). Compliance, Inc. is a Michigan incorporated and certified S-Corporation that provides full service environmental consulting from a team of highly experienced engineers, geologists/hydrogeologists and environmental health specialists. This staff has been fully capable of completing all phases of work on its previous and current ISID contract modifications and we bring the same team and capabilities to this ISID contract opportunity. Compliance, Inc. does not plan the use of any professional or geophysical subcontractors for ISID work.

As necessary, for each individual assignment, non-professional subcontract services may be utilized. Typical subcontract services used by Compliance, Inc. include soil probing/drilling services and soil/waste excavating and disposal services. For this ISID contract, subcontractors will be selected by a competitive bidding process. While Compliance, Inc. utilizes outside environmental laboratories for soil and groundwater sample analysis, the MDEQ's Environmental Laboratory will be utilized for the ISID work and no private laboratory subcontractors are anticipated.

Section 1.2 Understanding of Project and Tasks

Through the completion of more than 25 separate engagements with the DTMB and MDEQ under our current ISID contract and through other mechanisms including as a Professional Services Contractor, as a Trade Contractor or through District local contracts, Compliance Inc., has developed a wide spectrum understanding of the tasks and activities necessary to evaluate, design and implement remediation activities at sites of environmental contamination. We are versed in the DTMBs and MDEQ's programs, policies and standard documents. Our work experience, including reference project descriptions, is summarized in the attached Professional Questionnaire for Part 1.

In addition to the experience outlined on the Professional Questionnaire, Compliance, Inc. has effectively analyzed, documented and resolved disputes and contract interpretations on behalf of the state on several past engagements. This includes: 1) defining what is an in or out of scope condition (e.g., work

around an uncharted utility or tank encountered during an excavation), 2) resolution of changed quantities of excavated soils, backfilled materials and paved surfaces, 3) resolution of payment for partially completed tasks, and 4) preparing Bulletins and Change Orders to address additions to or deletions from the work scope. Compliance, Inc. has never encountered a dispute that was not resolved through a simple and fair agreement with the contractor and MDEQ District and Lansing staff. We understand that having a clear bid specification that was adequately reviewed for constructability and bidability is the first step in avoiding contract disputes and is the best tool for resolving a dispute that may arise during the work. As documented in the remainder of this package, Compliance, Inc. is best suited for providing services under the ISID contract to the State of Michigan because:

1. Our ISID projects are directly led by officers of the company, both with more than 25 years of environmental consulting experience, who have authority to direct all personnel and resources as necessary to complete site work. These project managers and our accounting personnel are directly available to MDEQ and DTMB staff and are responsive to technical and managerial inquiries.
2. We provide significantly experienced personnel for all facets of work (each person to be utilized on this contract has been with Compliance, Inc. for more than twelve years and has more than 17 years of experience in the environmental consulting field). Our experienced personnel are provided at competitive rates and our low employee turnover make it likely that personnel working on this contract in year one will be working on this contract in later years. To back up this statement, we note that since our beginning ISID work five years ago, there has been no turnover of any Compliance, Inc. staff.
3. We manage our budgets and the state's funds with care. Of our past completed ISID contract modifications, we have returned unused balances on more than 65%. We have also used remaining project funds to provide additional services under our contract modifications without exceeding originally proposed and approved budgets.
4. Compliance, Inc. works well with MDEQ staff and MDEQ staff know that they will get responsive quality work from Compliance, Inc. This is borne out by our receiving requests for more project work than could be accepted under our 2008 ISID contract's \$250,000 limit and our currently approaching the contract limit on our existing 2011 IS/ID contract.
5. Compliance, Inc. also completes work as a trade contractor to the State which provides valuable synergy/experience with ISID investigation/design and contractor oversight tasks. We see remediation projects from both ends and logically a company that knows how to implement and O&M a remedial technology is well suited to design and oversee the construction of that work by others. We also perform Trade Contractor work well with three out of four of our recent MDEQ trade contractor projects being extended for additional periods.
6. We are vested in the success of our projects. An example is our work on the Bob's Standard site, which employs a relatively uncommon ozone injection remedy. On that project, we recommended and installed system modifications and reduced our system rental rates by more than 50% for a requested contract extension period. Those actions were the best use of remaining project funds and bore out success with the final area of the site that was resistant to remediation showing significant cleanup over the past four months.

Section 1.3 Personnel

The qualifications and expertise of Compliance, Inc.'s staff are presented in the attached Professional Questionnaire for Part 1 (Attachment A), accompanying resumes (Attachment B – which is a separate file in electronic versions of our proposal) and organizational chart (Attachment C). As indicated on those sources, Compliance, Inc. has organized a team of significantly experienced professionals to complete the ISID work. The key personnel for this work, consistent with all project assignments undertaken by Compliance, Inc. under our current ISID contract, will be Ray Andrasi and Jim Rossi. Both are officers of the company (Vice President and President) with direct authority to assign staff and the resources of the company to ISID projects. Mr. Andrasi and Mr. Rossi have completed work on numerous previous ISID projects as well as other projects for the State of Michigan through Professional Services Contracts and Trade Contracts. Both have demonstrated an ability to responsively interact with MDEQ District and

Lansing staff on project technical and managerial issues. Both are well versed on the organizational and funding aspects of the ISID program and have adjusted ISID scopes and funding mechanisms to meet MDEQ goals. Both have been directly available throughout the past five years of ISID work by phone and e-mail to quickly respond to MDEQ staff inquiries.

As indicated on the attached Professional Questionnaire, Compliance, Inc.'s project team will be made up of senior staff in our Traverse City and Brighton offices. As our entire technical field staff has been with Compliance, Inc. for twelve or more years and each has been an environmental consultant for more than seventeen years, our team will bring significant experience to each project. Our staff has expertise and licensing/advanced degrees in all traditional areas of environmental consulting including environmental engineering, geology, hydrogeology, and human health and environmental risk assessment. One or more of our five RBCA trained Professionals will be a part of all teams assembled for Part 213 ISID work.

Section 1.4 Management Summary, Work Plan and Schedule

Upon receiving an assignment under the ISID contract, one of Compliance, Inc.'s key personnel will be assigned as the Project Manager and will work with the MDEQ project manager to develop an appropriate scope of work and schedule for the project. The project manager will be the main point of contact for the State and will also be responsible for coordinating Compliance Inc.'s staff and any necessary subcontractors to accomplish the project goals. Because the Project Managers under this contract will be either the Vice President or President of the company, they will have the authority to mobilize the resources of Compliance, Inc. to assure the project goals and schedule are achieved.

The services and deliverables to be provided by Compliance, Inc. will be consistent with those provided under our current ISID contract. With some variability associated with the scope of work, those services and deliverables will typically include:

Project Initiation

After being notified about the potential assignment of an ISID project, our process begins with a review of past documentation contained in MDEQ files for the site. That file review is completed by Compliance, Inc.'s project manager and other Compliance, Inc. staff who will be assigned to the project. After Compliance, Inc.'s staff has completed this review, an in-person or phone meeting between the MDEQ and Compliance, Inc. project managers is completed and the general scope of Compliance, Inc.'s assignment is determined.

Phase 100 Study -- Work Plan Preparation

Compliance, Inc. will prepare a project work plan, cost estimate, and schedule detailing the scope of work necessary to meet project goals which on a typical assignment may include: 1) to complete a soil and groundwater investigation to define the extent of contamination; 2) to design an Interim Response action, 3) to prepare a bid specification package for the selected Interim Response, 4) to assist the MDEQ in selecting a Trade Contractor to implement the Interim Response, and 5) to administer the construction contract in the office and in the field.

The following deliverables and project reports will be submitted to the DEQ for review. All reports will be initially submitted in draft with final hard copies (bound and unbound) prepared when each report has been approved. As appropriate, all deliverables will also be provided in Word, Excel and AutoCAD format and as separate PDF files.

- **Preliminary Budget** – A preliminary budget specifying a total estimated cost for all proposed work, broken down into an estimated cost for each phase.
- **Work plan** – The work plan will break down, in detail, the activities, tasks, and resources required and allocated for each objective identified for the project. A schedule will be provided that includes all project objectives, tasks, and activities. A total cost estimate will be provided with the work plan that provides labor, other direct costs, and subcontractor costs for each objective. The DEQ Laboratory will be utilized for sample analysis and a cost

estimate for laboratory services from the DEQ laboratory will be provided. The work plan will present all quality control/quality assurance tasks to be completed during the investigation and remediation phases of the work. Those tasks will cover field data collection, analytical data quality analysis, and document quality control. A Compliance, Inc. chemist will review all laboratory data QC flags and interpret, accept or reject qualified data for final presentation.

- **Health and Safety Plan (HASP)** – The HASP will cover the site investigation and interim response activities.
- **Monthly Progress Reports** – Compliance, Inc. will provide monthly progress reports to the MDEQ Project Manager.

Phase 100 Study -- Field Investigation

Compliance, Inc. will complete a site investigation to define the extent of contamination in accordance with the MDEQ recommended sampling methodologies and the RBCA process. The field investigation process will typically involve: 1) obtaining any necessary permits to conduct the remedial investigation; 2) obtaining access agreements from any public roadway or private property owners on which soil or groundwater sampling is planned, if not already obtained by the MDEQ; 3) completing sampling of existing monitoring wells, 4) completing investigation to collect soil and groundwater samples - permanent wells will be installed as necessary to meet site characterization goals, 5) submitting soil and groundwater samples for laboratory analysis, and 6) containerizing and properly disposing of drill cuttings and development water.

Deliverables and Project Reports

Field investigation results will be included in the Remedial Investigation and Feasibility Study Report described below.

Phase 100 Study -- Remedial Investigation and Feasibility Study Report

A Remedial Investigation and Feasibility Study Report will be prepared following the completion of the site investigation. The Remedial Investigation portion of this report will detail the investigation methods and results and will incorporate all existing historical data. Tables presenting current and prior soil and groundwater concentrations in comparison to relevant Part 201/213 criteria will be prepared. Scaled figures and cross-sections of the site and adjoining properties, including surface and subsurface features, will be prepared. Boring logs/well logs for all new site investigation points will be included.

The Feasibility Study portion of the report will include the evaluation of at least three active treatment options. The FS will evaluate each potential remedial option with regards to its capability of achieving the remedial goals for the site. Factors to be evaluated include the remedy effectiveness, the time predicted to achieve the remedial goal, and the feasibility of completing the remediation considering specific site conditions including disruptions to the site and adjoining property activities. Cost comparisons for each remedial option considered effective, feasible, and capable of achieving the remedial goal in an acceptable time frame will be prepared. A preferred remedial option, considering all of the above factors, will be identified.

Deliverables and Project Reports

- A Remedial Investigation and Feasibility Study Report, which details the results of the investigation and evaluates a minimum of three active treatment options.

Phase 500 Final Design – Preparation of Bid Specifications

Compliance, Inc. will prepare a design and bid specification package for the selected Interim Response activity. The document will be prepared in accordance with Department of Management and Budget (DMB) guidelines (e.g., MICHSPEC or DCSPEC) with the objective of awarding a trade contract through open, competitive bidding. A Compliance, Inc. engineer will review the bid specifications for both constructability and bidability. That will include a review of

the completeness of the descriptions and drawings and, cross-checks between the various disciplines (electrical, mechanical, and plumbing) to coordinate equipment locations, power capacities and sizing. The review will include a check for errors in calculations and a review of document clarity to prevent delays and bidding errors. The bidability review will include an evaluation of ambiguity, error, and or conflict, to ensure bidders and the selected trade contractor do not misinterpret project tasks and goals.

Deliverables and Project Reports

- Design and Bid Specifications Manual

Phase 500 Final Design – Trade Contractor Procurement

Compliance, Inc. will complete those tasks necessary to procure a trade contractor capable of completing the Interim Response. This will initially include responding to inquiries and requests for bid documents and providing copies of the bid documents to requesting bidders. Compliance, Inc. activities for this task will also include assisting the DMB in completing the required bid advertisement and coordinating a pre-bid meeting with the DEQ and the DTMB. Compliance, Inc. will provide responses to bidder inquiries and prepare and submit addenda. We will also review bids and backup documentation and check references of the three lowest responsive bidders and provide a recommendation of the Trade Contractor selection to the MDEQ/DTMB.

Deliverables and Project Reports

- Advertisement for the bid specifications and pre-bid meeting.
- Contractor's sign-up sheet and meeting minutes for pre-bid meeting.
- Specification addenda, as necessary.
- Bid Summary/Recommendation of a TC.

Phase 600 - Construction Administration Office

Prior to and during the completion of the Interim Response, Compliance, Inc. will review all TC submittals (i.e., bonds, insurance, work plans, HASPs, permits, notifications, manifests, and all other contract submittals, as specified in the TC contract) and will also:

- Review and provide comments on all TC progress reports and invoices.
- Prepare bulletins, review the TC's quotes to bulletins, and prepare requests for contract change orders, as needed, to complete site work within the scope of the contract.
- Compile and submit a Construction Summary detailing response activities and the results of the verification sampling. The report will include a chronology and detailed description of site activities; site photographs; as-built drawings of the treatment system or remediation area; daily field logs; site maps that depict all site features, including utility corridors; results of the soil and groundwater sample analysis with comparison to the applicable criteria under Part 201 or 213; and waste manifests.
- Assist the DMB/DEQ in TC Management and issue resolution.

Deliverables and Project Reports

- Project related meeting minutes.
- Bulletins, as necessary.
- Punch list and certificate of substantial completion.
- Construction summary report

Phase 700 Construction Administration Field

Compliance, Inc. will provide full-time oversight and coordination of all Interim Response field activities through completion. Tasks to be completed

- Coordinate, attend, and document all project-related meetings.
- Photograph all stages of the project.
- Respond to, and resolve, design related problems and construction field problems.

- Provide full-time oversight and coordination of all Interim Response activities (this may include activities such as conducting verification soil or groundwater sampling, signing waste manifests on behalf of the state, and collecting landfill approvals and receipts from the TC, if applicable).
- Prepare the punch list and certificate of substantial completion.
- Conduct final site inspection to assure all work has been completed in accordance with contract documents.

Deliverables and Project Reports

- A construction summary report will be prepared that presents all project photographs; daily inspection reports; soil disposal, records and manifests; verification sample analysis; quantities of materials handled and disposed; results from quality control tests; permits; a final site survey; bulletins and the final site inspection.

Section 1.5 References

Project descriptions and specific references for Compliance, Inc.'s past work are provided in the attached Professional Questionnaire.

Section 1.6 Instructions and information – Billable Rate

Compliance, Inc. provides environmental engineering services for our clients typically on a time and material basis. However, proposals prepared for many projects detail not only the scope of work to achieve the project goals, but also provide a detailed breakdown of anticipated labor, material, equipment and subcontract expenses. These proposals typically present 'not-to-exceed' costs for the detailed scope of work. Proposals prepared for any assignments awarded under the this ISID contract will also present 'not-to-exceed' costs for the detailed scope of work.

Our rates, which are generally at or below average compared to industry standards, provide additional value to our clients when considering the level of experience of our professional staff. The rates included profit and overhead and include such things as fringe benefits, insurance, non project related administrative services and other indirect costs.

Section 1.7 Identification of Personnel and Estimated Compensation

Professional Billing rates proposed for the this ISID contract are provided in Attachment D. Professional rates are presented for each labor category and Compliance, Inc. professional staff. Copies of Professional staff resumes are included in Attachment B. Attachment D also provides equipment rates proposed for this contract term.

As previously indicated, it is not anticipated that subconsultants will be utilized for professional services. Subcontractors are anticipated for drilling/well installation activities, and for excavation, waste/disposal services. Services provided by subcontractors, and equipment and expenses, per DTMB instructions, will not be marked up.

Upon receipt of a project assignment, Compliance, Inc. will prepare a comprehensive cost estimate including estimated labor, equipment, and subcontractor services per project task. This proposal will provide estimated labor hours and equipment units, will sum and totalize estimated hours and costs and provide a 'not-to-exceed' project cost to complete the assignment.

ATTACHMENT A

Professional Questionnaire for Part 1

(provided in electronic submittals as a separate file)

ATTACHMENT B

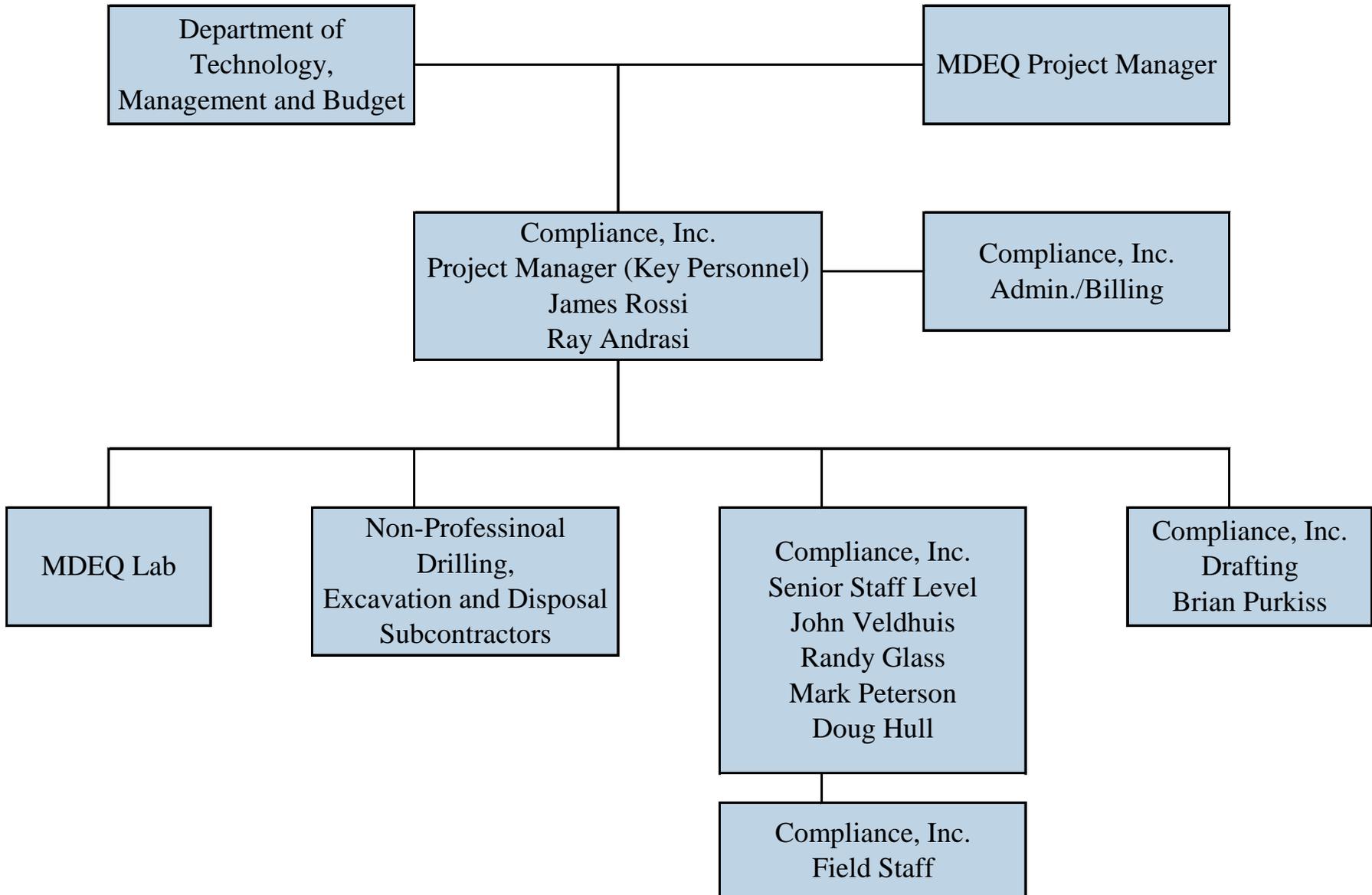
Resumes of Project Personnel

(provided in electronic submittals as a separate file)

ATTACHMENT C

ISID Project Organizational Chart

**2013 ISID Expanded Environmental Remediation Services
Organizational Chart
Compliance, Inc.**



ATTACHMENT D

**2013 ISID POSITION, CLASSIFICATION AND
EMPLOYEE BILLING RATE INFORMATION**

POSITION, CLASSIFICATION AND EMPLOYEE BILLING RATE INFORMATION
ISID - ENVIRONMENTAL EXPANDED REMEDIATION SERVICES

Professional's Name Compliance, Inc.

Yearly Percentage Billing Rate Increase 1.50%

Level	Employee(s) Name	Position/Classification	Year 2013	Year 2014	Year 2015	Year 2016	Year 2017	Year 2018
P4	Ray Andrasi, P.E.	Senior Project Manager**	\$ 93.00	\$ 94.50	\$ 96.00	\$ 97.00	\$ 98.50	\$ 100.00
P4	Jim Rossi	Senior Project Manager**	\$ 93.00	\$ 94.50	\$ 96.00	\$ 97.00	\$ 98.50	\$ 100.00
P4	Doug Hull	Senior Hydrogeologist **	\$ 89.00	\$ 90.50	\$ 92.00	\$ 93.00	\$ 94.50	\$ 96.00
P4	Randy Glass	Senior Geologist **	\$ 89.00	\$ 90.50	\$ 92.00	\$ 93.00	\$ 94.50	\$ 96.00
P4	John Veldhuis	Senior Engineer**	\$ 89.00	\$ 90.50	\$ 92.00	\$ 93.00	\$ 94.50	\$ 96.00
P4	Mark Peterson	Senior Geologist	\$ 89.00	\$ 90.50	\$ 92.00	\$ 93.00	\$ 94.50	\$ 96.00
P4	Ray Andrasi, P.E.	Staff Engineer	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
P4	Jim Rossi	Staff Scientist	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
P4	Randy Glass	Staff Geologist	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
P4	John Veldhuis	Staff Engineer	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
P4	Mark Peterson	Staff Geologist	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
P4	Doug Hull	Staff Hydrogeologist	\$ 78.00	\$ 79.00	\$ 80.50	\$ 81.50	\$ 83.00	\$ 84.00
T3	Brian Purkiss	CADD	\$ 66.00	\$ 67.00	\$ 68.00	\$ 69.00	\$ 70.00	\$ 71.00
T3	Brian Purkiss	Field Technician	\$ 63.00	\$ 64.00	\$ 65.00	\$ 66.00	\$ 67.00	\$ 68.00

*Billing Rate will be in accordance with the attached guideline page for instructions regarding the "Overhead Items used for Professional Billing Rate Calculation," and the attached "Sample Standard Contract for Professional Services," Article II, Compensation Text.

** Key Project Personnel

ATTACHMENT E

Example Daily Field Activity Reports

**Weekly Construction Summary
GJ's Party Store Soil Excavation
2700 Holiday Road
Traverse City, Michigan
Contract Number Y09109A
September 21 to September 25, 2011**

This report was excerpted from the GJ's Construction Summary Report for the Week of September 21 to 25, 2010.

Daily Summary of Work

Records of observations made by Compliance, Inc. during the daily site activities are presented in the daily field activity reports included as Attachment A. A daily summary of work is provided below:

- September 21, 2010 – Determined overnight drawdown in wells ten feet from dewatering points (~0.95 feet). Began excavation and off-site disposal of soil from SE corner of site. Began excavation in trench box area, collected verification samples as excavation proceeded (verified that pre-determined eleven feet excavation depth adequate). Began backfilling clean imported sand. Determined quality of existing sand may preclude re-use of 500 yards.
- September 22, 2010 – Determined drawdown at start of day of approximately 1.35 feet. Continued contaminated soil excavation and off-site disposal. Continued backfilling and compaction of previously excavated areas and verification sampling. Extended excavation north of Holiday Road. Backfilled perimeter areas on north, east and south side of excavation up to approximately four to five feet bgs in expectation of significant overnight rain event. Cleaned ground surface around hole of all impacted soil.
- September 23, 2010 – Significant rain event (~3 inches) prevented any soil excavation work. Repaired break in influent water line on carbon treatment system. Shored up silt fence adjoining wetland area.
- September 24, 2010 – Drawdown at start of day measured at approximately 1.05 feet. Continued excavation and off-site disposal on west side of removal area. Collected verification samples as excavation progressed. Continued backfilling and compaction of previously excavated areas and verification sampling. Completed compaction testing as backfilling occurs from 7 feet bgs to surface. Finished soil removal in southeast corner of work area. Shutdown dewatering system at 2:45 pm. DTE installed replacement gas line south of Holiday Road at end of day
- September 25, 2010 – DTE finished gas line installation. Pulled dewatering points. Loaded final soil for landfill disposal (disposal did not occur until September 27, 2010)

because landfill closed). Completed backfilling up to final grade with sand and gravel. Completed additional compaction testing. Opened Holiday Road to traffic (gravel surface) at 2:30 pm.

Photographic Summary

Photographs taken during the work period September 21 to September 25, 2010 are included as Attachment B

Soil Disposal Methodology, Records and Manifests

Contaminated soils removed from the site were disposed at Glen's Sanitary Landfill in Maple City, Michigan. Disposal records were maintained for all shipments of soil removed from the site and disposed at Glen's Landfill. The total quantity of soil disposed over this period is summarized in Attachment C and was as follows:

- September 21, 2010 1,050 tons
- September 22, 2010 1,283 tons
- September 24, 2010 683 tons

Groundwater Recovery/Groundwater Discharge

The groundwater dewatering system employed for this work included the installation of approximately 70, 1.5" diameter PVC recovery points. The points were installed on 4 to 6 foot centers around the perimeter of the excavation area. The recovery points were set at depths ranging from approximately 14 to 17 feet below ground surface (bgs) and were connected to a perimeter header system consisting of eight inch PVC pipe. The header system was connected to a pump located on the north side of Holiday Road, west of the excavation area. The pump was connected to a two stage activated carbon system with particulate pre-filters. A four-inch discharge hose was set up on the south side of the wetland area located northwest of the site. Four to six inch diameter field stones were placed as an erosion control at the discharge location.

The dewatering system was started on September 20, 2010 at 5:30 pm under the oversight of Elmer's subcontracted certified operator (Gosling Czubak Engineering Services – GCES). The system recovered groundwater at an average flow rate of approximately 27 gpm over its first two days of operation. Following the completion of a portion of the excavation and the disconnection of approximately 30% of the recovery points, the system began recovering groundwater at a higher rate. The groundwater recovery rate on the final two days of dewatering averaged 58 gpm. A total of 252,977 gallons of ground water were removed via dewatering and treated through the two stage carbon system.

The dewatering system was able to lower the water table approximately 1.0 to 1.5 feet during the excavation work. The system did not fully dewater the excavation area and soils from about 9.5 feet to 11 feet showed some degree of saturation throughout the excavation area. The saturated soils were mixed with dry or dewatered overlying soils and were able to be loaded and shipped to Glen's Landfill in a satisfactory state. The inability to dewater the excavation area completely appeared to be a result of both system limitations (e.g., pump sizing and point placement) as well as the apparent low hydraulic conductivity of some materials below the water table.

Pursuant to contract and/or NPDES permit requirements, the treatment system influent, midpoint and effluent was sampled by GCES and analyzed for permit required parameters. This included daily sampling for benzene, toluene, ethylbenzene, and xylene (BTEX). All midpoint and effluent samples for BTEX over all four days of system operation were non-detect. The influent total BTEX concentrations increased progressively over the four days of system operation as follows:

9/21/10	39 ug/l
9/22/10	133 ug/l
9/23/10	183 ug/l
9/24/10	202 ug/l

Verification Soil Sample Analysis

Soil verification sampling was completed during the excavation work (as it progressed) in accordance with MDNRE soil verification sampling guidance. The sampling included the collection and analysis of twelve verification bottom samples and ten verification sidewall samples. Three additional sidewall samples were also collected to test specific areas of the excavation perimeter where soils with some impact potentially remained after the work due to access limitations (e.g., beneath the GJ's Party Store building and near the sanitary sewer on the north side of the work area). The verification samples were collected over the period September 21 to September 24, 2010. All verification samples were grab samples (non-composited) and were collected via hand tools. The verification soil samples were collected using methanol preservation techniques. All samples were shipped to the MDNRE Environmental Laboratory for analysis of full scan VOCs via approved test methods. Attachment D presents a figure of the soil sample results for this period.

ATTACHMENT A

Daily Field Activities Reports

DAILY FIELD ACTIVITIES REPORT

Project Name/Number GTS'2374
Date: 9-20-10

Weather: HS Sunny
Contacts: _____

Contractor/Equipment: Same as last Thursday less mini-excavator

Summary of Activities:

6:50 Removed covers off Road Closed signs
7:50 started Road Closure at Hotel
8:10 ~~cut~~ East side of work area in Holiday Road
8:30 Began peeling asphalt off Holiday Road
8:50 Moved mailbox from North to South Side
9:10 Fixed gate on East side of Gravelin Property smoothed driveway gate area
Continued pulling asphalt
9:55 Discussed trench box w/ Ann
10:30 Excavated trench east end and laid header pipe
10:50 Began installing dewatering points on west end.
12:20 Loaded truck for Elmer with Asphalt
1:30 Finished well points, Loader third train
2:40 Carbar arrives on-site. Schrader assembling carbon vessels
Moved and setup pump
3:00-5:00 setting up carbar
4:30 Return 5 yds stone for dischar

Problems/ Follow Up Action Required:

5:30 Begin pumps - slowly building up
6:35 Flow Meter 75/24033
7:00 Flow appears slow to system. Still bleeding off air from system

Prepared by/date: _____

DAILY FIELD ACTIVITIES REPORT

Project Name/Number 2374
 Date: 9/21/10

Weather: 75° overcast @ noon
 Contacts: _____

Contractor/Equipment: Same

Summary of Activities:

Noon - continue excavation and loading contaminated soil. discussed re-use of soils with Justin. thinks 500 yds difficult given quality of soils

1:00 Continue excavation - Constructing larger I-beam to support phone lines on S. side of road.
 Trench box filling going on

2:00 IP and excavating near sewer line (~ 8.5' below grade) Same gravel in bed. Elmer's container w/in ~ 6 feet south ~ 4' north of line. remove nest. Removed pocket under phone line that PID'd @ 1900

2:30 North wall @ 8-9' has some darker material sampled as sidewall

2:40 Backfilling from Holiday Road - Trains from East (Five Mile) directly into hole

~ 3:00 Loading last truck for day. 21 loads

4:00 Backfilling some areas stockpiling some excavated material for disposal

Problems/: Follow Up Action Required:

Reuse of 500 yds potentially difficult due to quality of soil (Dry fine) gravel not likely useable at surface (fused and chunky)

Will bring hole up to 7' bags and begin compact

Prepared by/date: JR

DAILY FIELD ACTIVITIES REPORT

Project Name/Number GJ's
 Date: 9-21-06

Weather: 65° Overcast
 Contacts: _____

Contractor/Equipment: Same as 9-20. Same crew

Summary of Activities:

6:50 Dewatering Meter Readings 75145105 - ~21,000 gal overnight
 7:00 static MW-12s 9.01 ~ 0.95 drawdown
 7:40 J&N Trucks on-site begin loading with excavated material from SE corner
 7:50 Continue loading trucks - First Manfest 224368 35 yds (all trucks on-site)
 8:30 Continue excavation generally appears met @ ~ 10 feet not significantly infiltration hole
 8:50 Some excavation now from trench box. 3 Truck loaded and off-site
 9:00 Flow appears to be ~ 1,500 gal / hour
 9:50 Continue loading excavation moving north along east wall collected first Ventilation samples / screeners samples
 — Elmens truck joins 4 J&N trucks hauling soil —
 10:40 Continue excavation trench box area lowered
 11:30 ID telephone cable ~ 4' down on north line of Pavement old plastic line nearby

Problems/ Follow Up Action Required:

Sample collection

VB-5 - 9:30
 VS-4 - 10:40 VB-2 at 30
 VS-2 - 12:20
 VB-8 - 1:00
 VS-5 - 1:10
 VB-10 2:50
 VS-6 2:50
 VB-11 3:40
 VB-4 3:45

Prepared by/date: _____

DAILY FIELD ACTIVITIES REPORT

Project Name/Number GS 2371
Date: 9-22-10

Weather: 55 overcast
Contacts: _____

Contractor/Equipment: Same as 9-21-10

Summary of Activities:

On @ 6:45

7:23 First Manifest 224290 - Loading Elmas trench
7:30 static 9:42
7:35 Flow meter 75186110 ~ 41000 gallons in 24.5 Hours
7:40 Continue loading trucks (3rd of day) (224292)
8:00 Building up sand beneath phase line with compaction.
8:10 Fifth truck of day loaded and out 224295
Continued excavator to west.
9:30 Returning Elmas Trucks delivering sand.
10:20 Moved support for phase line to west
10:30 Continued excavation in northwest corner
Identified OK NW corner N of Sewer with samples UB-12, US-7
11:00 Continuing excavation SW area along phase line

11:45 Completed hand auger borings B-31, North of main entrance Door
1:00 moved trench box and began excavation NW of building

Collected samples
@ 5, 7, 9'
all < 2ppm
of sample to lab

Problems/: Follow Up Action Required:

Small phase line buried ~ 6" deep cut by excavator track
Check Cravelin residence, phase still works. Not clear where if any active service for this line.

3:00 Last trucks loaded for landfill. Trucks delivering sand.
Disconnected south wing of dewatering system. Flow from remaining pits increased. A

4:00 Backfilling sand on North side of road.

5:00 Pulled I-beam from phase line

5:15 Filled pits along South side

Prepared by/date:

5:30 Building up north wall and south wall - rain expected tomorrow
Barred east and west side of hole and bailed impacted material into hole

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5:40 checked dewatering system. Closed parts now. Talked w/ Justin about observed changes in dewatering system

6:30 Exchanged paper work and then off-site

DAILY FIELD ACTIVITIES REPORT

Rainy 550

Project Name/Number 2374 GJS
Date: 9-23-10

Weather: 9-23-10
Contacts: _____

Contractor/Equipment: Same as yesterday

Brian Warner 9:00am

Summary of Activities:

- 6:50 Met onsite. Due to Rain put work on 1 hour delay
- 8:20 Canceled work for day due to heavy rain now and projected
- 10:00 Visited site to observe how rain is affecting
 - Hole in influent line on carbon system observed with water leaking ~ 2 gpm ±. Shut system off. Called Elmers to fix
 - Substantial rainwater against silt fence. ~ 1 foot up corner. Fence overtopped at one section - propped up
 - Substantial water running around GJS (South-west then down ditch on Holiday (south side))
 - Hole has puddle from infiltration 15' across. Bunking wall OK. Some erosion along 5-mile
- 10:30 Elmers on-site went over situation - rain lightens
- 11:15 Elmers fixes broken hose - getting new part
- 12:30 System fixed back running.
- 12:50 Justin will watch system for hour or so

Problems/: Follow Up Action Required:

Flow meter @ 10:30 am 75271350
Moved ~ 85,240 gallon since last reading
(27 hours) Ave 30+ per minute
(More after 4:00 yesterday)

Prepared by/date: _____

DAILY FIELD ACTIVITIES REPORT

Project Name/Number _____
Date: 9-24-10

Weather: Light Rain 70°
Contacts: Windy

Contractor/Equipment: Same as 9-23-10

Summary of Activities:

On-site @ 6:40. Put up 2 skys that tipped over from wind
Hole has small water spot. Not too saturated
System @ 75348850 gal ~ 75,000 gallons in 19 hours
Static 9.11 ~
1st Manifest 224317 out @ 7:40

8:00 Excavating NW corner south of sewer line. Corner sample above
@ 9' PID 8. OK

8:30 Continued excavation to south hole following approximate design line to
west

9:00 Encountered clay vein @ water table along west wall. Squashy - removed
9:30 Sixth truck of day out. Excavation moving to west near centerline
of road to catch black layer. GLA computer tester working. OK'd initial WTs
10:15 Elmers propping up west end of phase line
10:45 Excavating around SW corner of hole

Backfilling new sand @ 8:30. 632-2806

Problems/ Follow Up Action Required:

11:30 Finish excavation in SW corner. Keeping original excavation
dimension. Moving bottom ~ 4' south on edge of corner
12:30 Collected final verification sample VS-2 B
Approximately 1/2 load of soil for landfill left. 15 tons out so far
1:30 Regraded area in front of store to 4-6 feet. Compacting and testing
at this elevation.
2:15 Unloading and placing sand throughout hole, primarily in road
2:45 Shut dewatering system off. DTE continued work tonight to install
new gas line.
3:30 Compaction going OK. No problems reported. Removed header on east side
of hole.

4:00 Final flow reading 75377010
Prepared by/date: _____

4:30 Confine filling and compacting

6:00
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75377010
95124093

DAILY FIELD ACTIVITIES REPORT

Project Name/Number 2374
Date: 9-25-10

Weather: Light Rain, 50
Contacts: _____

Contractor/Equipment: Same as yesterday
+ Grading Tractor

Summary of Activities:

7:10 On-site.
DTE's contractor continues work on replacement line
Worked overnight trenched south of excav } New DTE
static water level 8:02 MW-125
7:30 Pulling dewatering points west ? north side }
of hole
8:00 Final grader leveling road.
8:15 Empty hoses from dewatering system
8:30 Continue leveling sand
9:00 Loaded last truck for landfill. Lead and partial prep
Cleaned up under pile
~11:00 DTE Finishing work
11:05 Off-site until 11:30
11:30 Grading road gravel on Holiday. Placing gravel N→S

Problems/ Follow Up Action Required:

12:00 Grading road. Loading up trench box, gravel boat
1:00 Grading road. All compaction tests (final) reported OK
2:00 Banneled roadside, curbed. Finishing placement/grading gravel
2:30 Opened road to traffic
2:50 Off-site.

Prepared by/date: Jim Rossi

ATTACHMENT B

Photographs

Photographs of GJ's Party Store Site
 Photographs taken on September 14, 15, 21 & 22, 2010 by James Rossi



Photographs of GJ's Party Store Site

Photographs taken on September 22 & 23, 2010 by James Rossi

Photo #61



Photo #62



Photo #63



Photo #64



Photo #65



Photo #66



Photo #67



Photo #68



Photo #69



Photo #70



Photo #71



Photo #72



Photo #73



Photo #74



Photo #75



Photographs of GJ's Party Store Site
 Photographs taken on September 23, 24, 25 & 27, 2010 by James Rossi



ATTACHMENT C

Soil Disposal Records

GJ's Party Store
2700 Holiday Hills Road, Traverse City, MI. 49684
Waste Management Manifest Log

Date	Manifest #	Tons
9/14/2010	249079	52.42
	249080	52.85
	249083	57.07
9/21/2010	00224368	51.32
	00224369	44.59
	00224370	58.05
	00224271	69.24
	00224272	56.66
	00224273	52.01
	00224274	38.46
	00224275	39.56
	00224276	46.73
	00224277	40.08
	00224278	35.02
	00224279	43.84
	00224280	36.85
	00224281	45.75
	00224282	57.27
	00224283	47.65
	00224284	43.31
00224285	55.90	
00224286	45.82	
00224287	41.44	
00224288	44.10	
00224289	56.07	

GJ's Party Store
2700 Holiday Hills Road, Traverse City, MI. 49684
Waste Management Manifest Log

Date	Manifest #	Tons
9/22/2010	00224290	44.16
	00224291	45.99
	00224292	47.88
	00224293	46.42
	00224294	42.16
	00224295	43.46
	00224296	52.15
	00224297	46.84
	00224298	43.65
	00224299	40.88
	00224300	55.81
	00224301	55.94
	00224302	48.56
	00224303	48.58
	00224304	40.99
	00224305	50.15
	00224306	51.98
	00224307	47.71
	00224308	53.44
	00224309	47.25
	00224310	47.09
	00224311	42.24
	00224312	50.55
	00224313	54.15
	00224314	41.57
	00224315	45.90
	00224316	47.24

GJ's Party Store
2700 Holiday Hills Road, Traverse City, MI. 49684
Waste Management Manifest Log

Date	Manifest #	Tons
9/24/10	00224317	50.90
	00224318	32.67
	00224318	24.76
	00224319	49.27
	00224320	52.72
	00224321	44.75
	00224322	42.72
	00224323	45.49
	00224324	45.92
	00224325	41.05
	00224326	46.42
	0024327	43.32
	00224328	41.35
	00224329	38.64
	00224330	37.41
	00224331	45.73
9/27/2010	00224332	43.83
Total Tons:		3221.76

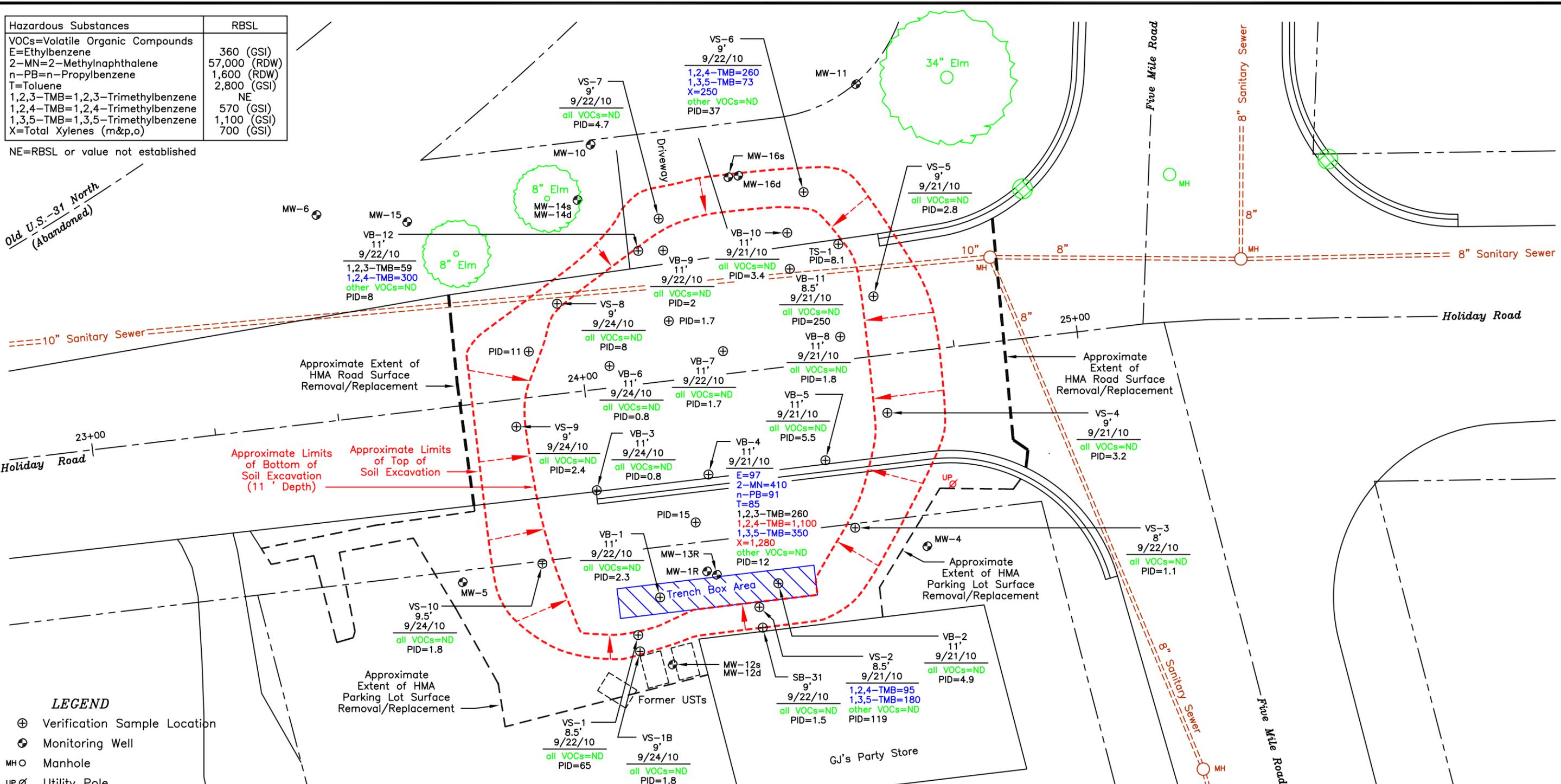
ATTACHMENT D

Verification Soil Sample Map

Hazardous Substances	RBSL
VOCs=Volatile Organic Compounds	
E=Ethylbenzene	360 (GSI)
2-MN=2-Methylnaphthalene	57,000 (RDW)
n-PB=n-Propylbenzene	1,600 (RDW)
T=Toluene	2,800 (GSI)
1,2,3-TMB=1,2,3-Trimethylbenzene	NE
1,2,4-TMB=1,2,4-Trimethylbenzene	570 (GSI)
1,3,5-TMB=1,3,5-Trimethylbenzene	1,100 (GSI)
X=Total Xylenes (m&p,o)	700 (GSI)

NE=RBSL or value not established

Old U.S. -31 North
(Abandoned)



- LEGEND**
- ⊕ Verification Sample Location
 - ⊙ Monitoring Well
 - MHO Manhole
 - UP Utility Pole

Analytical results in parts per billion (ug/Kg)
 ND = Not Detected
 ## = Concentration Below Part 213 Residential Drinking Water Protection (RDW), Ground Water-Surface Water Interface Protection (GSI), Direct Contact (DC) and/or Residential Volatilization to Indoor Air (RVIA) Risk-Based Screening Level (RBSL)
 ## = Concentration Exceeds Part 213 Residential Drinking Water Protection (RDW), Ground Water-Surface Water Interface Protection (GSI), Direct Contact (DC) and/or Residential Volatilization to Indoor Air (RVIA) Risk-Based Screening Level (RBSL)
 PID = Photoionization Detector
 PID readings in parts per million (ppm)

Note:
2690 House

Adapted from drawings by Environmental Solutions, Inc. dated 12/27/95 and Gourdie/Fraser Associates, Inc. dated 1990 and 1991.

	LOCATION: GJ's Party Store 2700 Holiday Road Traverse City, MI 49686
	Figure E-1
<p>Approximate scale in feet</p>	DRAWING DATE: 11-10-10 PROJECT NUMBER: 2374 PROJECT MANAGER: JER CAD FILE: 2374-3-1 DRAWN BY: BAP

Soil Excavation Area	
Environmental Engineering & Regulatory Consulting Traverse City, MI 231-922-7400 Brighton, MI 810-225-8674	

Mr. James Rossi
Compliance, Inc.
Page 2
January 31, 2014

If your company is interested in participating in the MiDEAL program, please sign below and return to this letter to the letterhead address, Attention: Melissa Sambigiio

FOR THE STATE OF MICHIGAN



Robert C. Hall, RA, NCARB, Director
Design and Construction Division
Facilities Administration

FOR THE PROFESSIONAL

Compliance, Inc. agrees to extend the terms, conditions, and pricing of our 2013 Environmental Expanded Remediation Services contract, No. 00466, to MiDEAL members and will remit the one percent (.01) administrative payment fee along with the quarterly report as outlined.



Signature

2/5/14

Date

James E. Rossi, President

Print Name/Title