

CITY COUNCIL AGENDA ITEM

October 18, 2016

TO: Brian Kischnick, City Manager

FROM: Mark F. Miller, Director of Economic and Community Development
Steven J. Vandette, City Engineer

SUBJECT: Former I-75/Rochester Mobil Gas Station, 2745 Rochester Road
Proposal to Complete Analytical Testing and Final Assessment/Closure Report

History

In the late 1990's the City acquired through condemnation the former Mobil gas station property for the expansion of Rochester Road from I-75 to Torpey Street. The road project has long since been completed and the station demolished, however; the MDEQ has advised us that a Closure Report has not been submitted for the November 16, 1999 release from a regulated underground storage tank (removed in 1999). This Report is required by the Natural Resources and Environmental Protection Act, Section 213 12a. The last submittal of a status report to the MDEQ by our environmental consultant, Innovative Environmental Solutions, was dated February 5, 2004. The letter (attached) we received from the MDEQ concerning this matter is dated September 13, 2016.

A letter from City Engineer Steve Vandette (attached) was sent to the MDEQ that committed the city to conduct all necessary actions and submit the information to the MDEQ.

We contracted with Innovative Environmental Solutions, Inc. (IES) to perform the work since they did all of the previous field work, testing, mapping and reports from 1999 to 2004, under the direction of our former Fleet Operations Manager and City Attorney. The Engineering Department will now be handing all environmental testing and reporting to the MDEQ for this site.

The first proposal from IES (attached) in the amount of \$5,935 and dated September 22, 2016 was accepted and approved by Steve Vandette. During performance of the initial work IES discovered that several of the monitoring wells could not be found. IES submitted a second proposal for additional work to install four (4) new monitoring wells, four (4) new soil borings and perform all necessary soil sampling and testing for the presence of leaded and unleaded gas indicators. The laboratory reports from these wells and others will be evaluated against MDEQ Part 213 Tier 1 Cleanup Criteria. If the results meet the criteria and full delineation of the gas indicator chemicals is achieved, a Final Assessment/Closure Report will be prepared and submitted to the MDEQ. This submittal and acceptance by the MDEQ will officially close the file on this site.

Purchasing

Procurement of professional services does not require competitive bids. Innovative Environmental Solutions, Inc. was contacted to submit proposals since they had previously done extensive work including mapping, sampling, laboratory testing, analysis and reports on the former I75/Rochester Mobil gas station site.

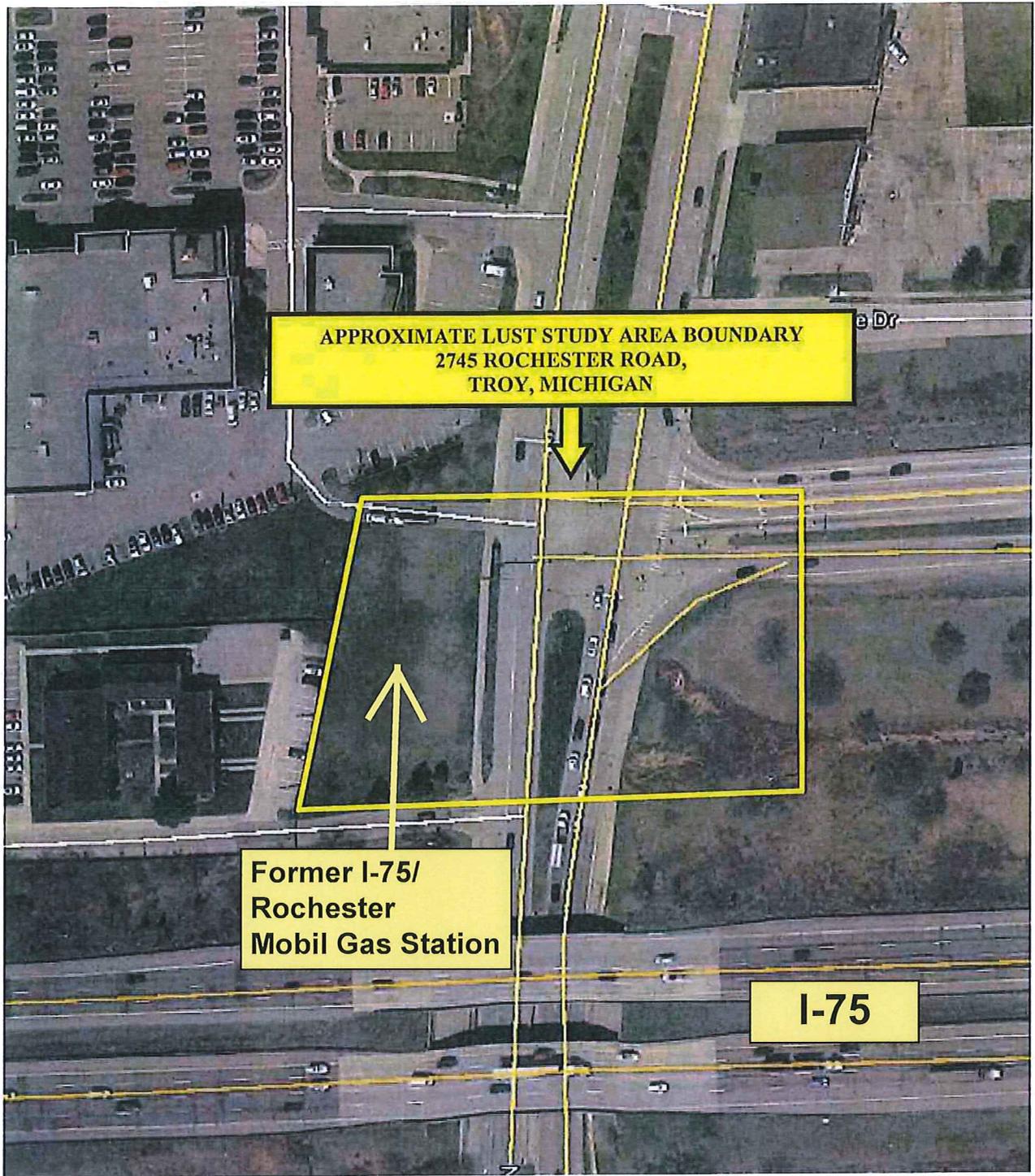
The cost of the second proposal (attached) from IES dated October 18, 2016 is \$9,850. Since the combined total of the first and second proposal exceeds \$10k, city administration is requesting city council approval for this work.

Financial

Funds for this work will be expended from the Engineering Department's Consulting Engineering account.

Recommendation

It is recommended that City Council approve Proposal #PRB-16-229 (attached) from Innovative Environmental Solutions, Inc. dated October 18, 2016 in the amount of \$9,850.00 for various environmental testing and reporting to the MDEQ concerning the former I75/Rochester Mobil gas station site.



INNOVATIVE
ENVIRONMENTAL SOLUTIONS, INC.

2016 AERIAL PHOTOGRAPH

FORMER I-75 & ROCHESTER MOBIL LUST SITE
2745 ROCHESTER ROAD
TROY, MICHIGAN

PROJECT:
20033006

DATE:
10/10/16

PLATE:
2

SCALE:
SEE ABOVE



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
SOUTHEAST MICHIGAN DISTRICT OFFICE



C. HEIDI GRETHER
DIRECTOR

September 13, 2016

Mr. Steven J. Vandette P.E.
City Engineer
City of Troy
500 West Big Beaver
Troy, Michigan 48084

Dear Mr. Vandette:

SUBJECT: COMPLIANCE COMMUNICATION
I-75 and Rochester Mobil
2745 Rochester Road, Troy, Oakland County, Michigan;
Facility ID No. 0-0004475, Confirmed Release No. C-1182-99

The Department of Environmental Quality (DEQ), Remediation and Redevelopment Division (RRD), has conducted a compliance evaluation for the November 16, 1999, confirmed release from a regulated underground storage tank (UST) system at the above-subject Site. Corrective actions for the above-subject confirmed release are regulated under Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 213).

The DEQ's compliance evaluation was completed under the authority of Part 213, and consisted of a database search followed by a file review to determine whether the city of Troy submitted the reports required pursuant to Part 213. It was noted that the last submittal was a Free Product Recovery Status Report dated February 5, 2004, and prepared by Innovative Environmental Solutions, Inc.

Based on the information available to the DEQ, it does not appear that the following report has been submitted:

Pursuant to the requirements of Section 21312a of the NREPA, upon completion of the corrective action, the liable owner/operator shall complete a Closure Report (CR) and submit the report to the DEQ. Therefore, it appears that a completed CR should have been submitted to the DEQ, and to date has not been received by the DEQ. Based on this determination, it appears that the city of Troy is out of compliance with the corrective action and reporting requirements of Part 213. Under Section 21307a (2) (c), the owner or operator shall provide 48-hour notification to the department prior to initiating sampling of soil or groundwater.

Please submit to this office within 14 days of receipt of this letter, a written commitment to conduct the necessary actions, and submit the information required by Part 213. Your commitment letter shall include a reasonable schedule for conducting any necessary additional corrective actions, and submit the information requested that is required by Part 213. Please be advised that this correspondence does not constitute an extension of the Part 213 reporting deadlines identified above.

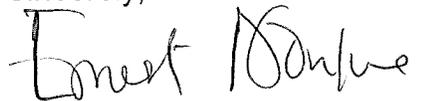
Please be advised, the liable Owner or Operator of this site is required, under the provisions of Part 213, to do the following:

- a. Retain a consultant that meets the requirements of Section 21325 of the NREPA, to take additional corrective actions necessary to comply with Part 213 and to protect public health, safety, and welfare, and the environment.
- b. As identified above, provide additional information related to the requirements of Part 213.

The DEQ requests that the city of Troy voluntarily comply with the reporting and corrective action requirements of Part 213. The Part 213 statute and additional information that may be needed to assist the city of Troy in understanding the Part 213 requirements can be found at the DEQ Web site: www.michigan.gov/deq, by clicking on 'Land', 'Land Remediation and Redevelopment', then 'Leaking Underground Storage Tanks Program'.

The information used to prepare this letter is located in the DEQ, Southeast Michigan District Office, located at 27700 Donald Court, Warren, Michigan, 48092. If you wish to review this information or if you have questions regarding this letter, please do not hesitate to contact me for additional assistance at the telephone number and email address below.

Sincerely,



Ernest Ndukwe, Project Manager
Southeast Michigan District Office
Remediation and Redevelopment Division
586-753-3819
ndukwee@michigan.gov

cc: Ms. Cheryl Wilson, DEQ
Ms. Kim Ethridge, DEQ



500 W. Big Beaver.
Troy, MI 48084
248.524.3300
troymi.gov

September 23, 2016

Mr. Ernest Ndukwe, Project Manager
Michigan Department of Environmental Quality
Remediation and Redevelopment Division
277000 Donald Court
Warren, Michigan 48092-2793

Regarding: Compliance Communication
I-75 and Rochester Mobil
2745 Rochester Road
Facility ID No. 0-0004475 Confirmed Release No. C-1182-99

Dear Mr. Ndukwe:

This letter is in response to your letter of September 13, 2016 concerning the above referenced confirmed release at the former I-75/Rochester Mobil gas station.

We were not aware that a Closure Report was not submitted to MDEQ for this site. It is our intention to fully comply with the requirements of Section 21312a of the NREPA. To that end, we have contracted Innovative Environmental Solutions, Inc. to perform all necessary field work to prepare and submit to the MDEQ a FAR CAP Subsurface Water Monitoring Report. The report will summarize the contaminants and what additional actions may be needed to take this LUST site to closure. Innovative is able to complete the activities outlined in their attached Proposal within 30 days, including submitting the Assessment Status Report to MDEQ.

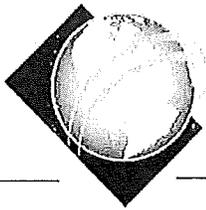
The City of Troy is committed to bringing closure to this LUST site and we look forward to working with you and our consultants to make that happen.

If you have any questions, please contact me at 248-524-3383 or by email at vandettesj@troymi.gov.

Sincerely,

Steven J. Vandette, P.E.
City Engineer

Cc: Lori Bluhm, City Attorney; Mark Miller, Director of Planning & Economic Development; Brian Varney, Fleet Manager
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INNOVATIVE ENVIRONMENTAL SOLUTIONS, INC.

September 22, 2016

Mr. Steven J. Vendette, P.E.
City Engineer - City of Troy
500 West Big Beaver Road
Troy, MI 48084

**RE: PROPOSAL TO IDENTIFY AND EVALUATE EXISTING MW'S, MANHOLES & CBS,
TO COMPLETE FAR CAP GW SAMPLING ACTIVITIES, ANALYTICAL TESTING
AND GENERATION AND SUBMITTAL OF FAR CAP SSW MONITORING REPORT
CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
2475 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR CAP LUST ASSESS ACTIVITIES**

Dear Mr. Vendette:

Please find attached a Proposal and Master Professional Services Agreement (PSA) for Innovative Environmental Solutions, Inc. (Innovative) to identify and evaluate existing monitoring wells, manholes and catch basins and to complete FAR CAP subsurface water sampling activities, analytical testing and the generation and submittal, to the RRD of the MDEQ SE MI District Office, of a FAR CAP Subsurface Water Monitoring Report for the City of Troy owned former Mobil gasoline service station leaking underground storage tank (LUST) site located at 2475 Rochester Road in Troy, Michigan.

Innovative Environmental Solutions, Inc. (Innovative) has developed the following Proposal to outline the proposed identification and evaluation of existing MWs, manholes and catch basins and the FAR CAP subsurface water sampling activities, analytical testing and the incorporation of the findings into a FAR CAP Subsurface Water Monitoring Report and their related costs. The following Proposal also includes the costs associated with the generation and submittal of a LUST FAR CAP Subsurface Water Monitoring Report to the RRD of the MDEQ Southeast Michigan District Office. These activities would be performed in accordance with Innovative's Master PSA, which outlines the general terms and conditions and allows Innovative to respond efficiently to often changing site conditions.

If you have any questions or comments related to the attached documents, please do not hesitate to contact the undersigned at (616) 681-8098. Upon receipt of the signed Proposal and Master PSA, Innovative will proceed with the actions outlined on the following pages. We appreciate the opportunity to do business with you.

Respectfully Submitted,

INNOVATIVE ENVIRONMENTAL SOLUTIONS, INC.

James Springstead
Senior Project Scientist

Jerome Meyer
Senior Project Scientist

JS/JM:jm

**PROPOSAL TO IDENTIFY AND EVALUATE EXISTING MW'S, MANHOLES & CBS,
TO COMPLETE FAR CAP GW SAMPLING ACTIVITIES, ANALYTICAL TESTING
AND GENERATION AND SUBMITTAL OF FAR CAP SSW MONITORING REPORT
CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
2475 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR CAP LUST ASSESS ACTIVITIES
SEPTEMBER 22, 2016 - PAGE TWO**

This Proposal incorporates by reference the terms of Innovative's Master PSA. It is to be read and interpreted in conjunction with that agreement.

SCOPE OF WORK:

- Completion of detailed field assessment activities to attempt to identify the location and accessibility of existing monitoring wells, underground utility manholes and catch basins present at the City of Troy owned former Mobil gasoline service station property and completing field revisions to Innovative's base map for the LUST study area;
- Survey the north edge top of casing of the existing monitoring wells to establish an elevation of each MW casing top;
- Gauge the north edge top of casing of the monitoring wells and calculate a static subsurface water elevation at each existing and accessible monitoring well location to further evaluate the direction of subsurface water flow across the LUST study area;
- Completion, utilizing the RRD of the MDEQ low flow sampling protocol, of sampling of the subsurface water from the existing and accessible monitoring wells (estimated to be 10) and recording of the geochemical parameters measured during the sampling;
- Submittal of approximately 10 groundwater samples along with the required 3 duplicate, equipment and field blanks for the absence/presence of gasoline indicator parameters by EPA test methods 8260 and 7421, respectively;
- Evaluation of the laboratory analytical results against the applicable RRD of the MDEQ Part 213 Tier I Cleanup Criteria; and
- Incorporation of the findings into a FAR CAP Subsurface Water Monitoring Report in the required RRD of the MDEQ format including color CAD generated maps, forms and groundwater analytical comparison charts. The report will summarize the gasoline plume contaminant conditions and the effects of natural attenuation on reducing the groundwater contaminants and what additional actions are needed to take the "open" LUST site to closure.

PROPOSAL TO IDENTIFY AND EVALUATE EXISTING MW'S, MANHOLES & CBS,
 TO COMPLETE FAR CAP GW SAMPLING ACTIVITIES, ANALYTICAL TESTING
 AND GENERATION AND SUBMITTAL OF FAR CAP SSW MONITORING REPORT
 CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
 2475 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
 INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR CAP LUST ASSESS ACTIVITIES
 SEPTEMBER 22, 2016 - PAGE THREE

ESTIMATE OF COSTS TO COMPLETE FAR CAP SSW SAMPLING ACTIVITIES, ANALYTICAL TESTING
 AND INCORPORATION OF FINDINGS INTO A FAR CAP SUBSURFACE WATER MONITORING REPORT

Professional Environmental Services

Senior Project Scientist – LUST project oversight/supervision (1 hr. @ \$125.00/hr.).....	\$ 125.00
Field Scientist – Field recon to identify site features, MW surveying and gauging activities and subsurface water sampling activities (24 hrs. @ \$75.00/hr.).....	\$ 1,800.00
Professional Services Total	\$ 2,500.00

Environmental Laboratory Analysis Services

*13 Groundwater samples analyzed gasoline indicator parameters Includes 3 required QA/QC samples in accordance with the RRD of the MDEQ requirements (13 samples @ \$85.00/sample).....	\$ 1,105.00
Laboratory Services Total	\$ 1,105.00

Equipment Fees, Mobilization and Mileage

Survey Equipment (1 day @ \$100.00/day)	\$ 100.00
Interface Probe (1 day @ \$100.00/day).....	\$ 100.00
Low Flow Sampling Equipment (1 day @ \$150.00/day).....	\$ 150.00
Mileage	\$ 100.00
Miscellaneous - decontamination materials, supplies, etc. (2 days @ \$75.00/day)	\$ 150.00
Equipment Fees, Mobilization and Mileage Total.....	\$ 600.00

Field Services Estimate of Costs Total.....\$ 5,200.00

FAR CAP MONITORING REPORT GENERATION ACTIVITIES - ESTIMATE OF COSTS

Senior Project Scientist (2 hrs. @ \$125.00/hr.).....	\$ 250.00
Project Scientist (4 hrs. @ \$105.00/hr.).....	\$ 420.00
Staff Scientist (6 hrs. @ \$90.00/hr.)	\$ 540.00
Draftsman (8 hrs. @ \$65.00/hr.).....	\$ 520.00
Report Estimate of Costs Total.....	\$ 1,730.00

ESTIMATE OF COSTS TO COMPLETE FAR CAP SSW MONITORING ACTIVITIES,
 ANALYTICAL TESTING AND INCORPORATION OF FINDINGS INTO A LUST
 FAR CAP SSW MONITORING REPORT..... **\$ 5,935.00**

* Please note if more than 10 existing and accessible MWs are found to be present at LUST study area, additional costs may be incurred for second day of sampling, additional analytical testing including additional QA/QC testing required by the RRD of the MDEQ.

PROPOSAL TO IDENTIFY AND EVALUATE EXISTING MW'S, MANHOLES & CBS,
TO COMPLETE FAR CAP GW SAMPLING ACTIVITIES, ANALYTICAL TESTING
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INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR CAP LUST ASSESS ACTIVITIES
SEPTEMBER 22, 2016 - PAGE FOUR

If the scope of work is limited to that outlined on Pages Two and Three, the estimated cost of our services is \$5,935.00. If the scope of work changes due to unforeseen circumstances and additional services are requested, they will be provided in accordance with the rates and unit prices included in this proposal.

Please note, Innovative would be able to complete the activities outlined in this Proposal within 30 days and generate and submit a FAR CAP LUST Assessment Status Report to the RRD of the MDEQ SE MI District Office by no later than 30 days of being contracted.

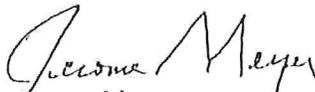
This proposal incorporates by reference the terms of Innovative Environmental Solutions, Inc.'s Master Professional Service Agreement, whether or not such PSA is executed by the client. Additional copies of the Master Professional Service Agreement will be furnished upon written request by the client.

Please indicate your acceptance of this Proposal and PSA by signing one copy of each document and returning them for our records. Please feel free to contact our office at (810) 220-0033 if you have any questions or comments concerning the attached costs.

Respectfully Submitted,

INNOVATIVE ENVIRONMENTAL
SOLUTIONS, INC.


James Springstead
Senior Project Scientist


Jerome Meyer
Senior Project Scientist

JS/JM:jm

APPROVED AND ACCEPTED:
CITY OF TROY
MR. STEVEN J. VENDETTE, P.E.

BY: 
DATE: 9/29/16

INVOICE ADDRESS

Steve Vendette, City Eng
500 W Big Beaver
Troy, MI 48084



INNOVATIVE
ENVIRONMENTAL SOLUTIONS, INC.

**MASTER PROFESSIONAL
SERVICE AGREEMENT-PAGE 1**
Site Assessment Services

This Professional Services Agreement ("Agreement") is made and entered into this ____ day of _____, 2016, by and between Innovative Environmental Solutions, Inc. (hereinafter "IES") with an address at 510 Brighton Road, Howell, Michigan 48843 and the City of Troy with an address at 500 West Big Beaver Road, Troy, MI 48084 (hereinafter referred to as "Client") (hereinafter collectively referred to as the "Parties").

In consideration of the covenants set forth below, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, it is agreed between the Parties as follows:

1. **Services.** The specific professional services ("Services") to be performed by IES on behalf of Client shall be described and authorized from time to time by a fully executed and approved proposal or work order in substantially the form attached to this Agreement ("Proposal"). Each Proposal shall constitute a separate and individual undertaking and shall define an individual project; however, all Services authorized by Proposals shall be subject to the terms of this Agreement except as otherwise modified in writing by mutual consent of the Parties.

2. **Inconsistent Terms And Forms.** It is mutually agreed that all terms, conditions, and provisions, of any nature whatsoever, contained within Client's acceptance, purchase order or other communications, except the description and specification of goods ordered, quality, price, invoice number, shipping instructions and tax exemption certificate, shall be ineffective. Any acknowledgment of or acquiescence to any such terms, conditions, and provisions, of any nature whatsoever, by IES shall not in any way be construed as an acceptance or approval of such terms.

3. **Estimate of Costs.** Any estimates or opinions made by IES of costs in Proposals are made on the basis of IES's judgment as an experienced and qualified environmental consultant and are based on the Schedule of Fees stated herein. However, Client acknowledges and agrees that IES cannot and does not guarantee that total costs will not vary from opinions of probable cost prepared by IES. Subject to the exceptions stated herein, if during the course of performing Services outlined in an approved Proposal, IES reasonably determines that either the scope of the Services, the cost of Services, or the cost of goods and component parts have increased beyond 50% above any estimate or opinion made by IES in any Proposal, IES shall so notify the Client and provide the Client with a new Proposal for approval. Until the Client is so notified and approves the Proposal, IES shall have the right to suspend the performance of the Services at issue and continue to perform any and all other Services not affected by the proposed changes. If the Client does not approve the scope of Services change and charges, either party shall have the right to terminate this Agreement upon five (5) days advance written notice, at which time all outstanding invoices for Services provided to Client shall become due and payable.

4. **Schedule of Fees.** Innovative bills at the rates indicated in the following paragraphs and as further detailed in the Proposals and Work Releases that may accompany this Agreement. Mileage shall be charged portal to portal at the rate of \$0.60 per mile. Standard fees for IES services shall be based upon the following hourly prices. Work performed on Saturdays will be charged at 1.5 times the normal hourly rate. Work performed on Sundays or holidays will be charged at 2.0 times the normal hourly rate.

5. Senior Project Scientist.....	\$ 125.00
6. Project Scientist.....	\$ 105.00
7. Staff Scientist.....	\$ 90.00
8. Field Scientist.....	\$ 75.00
9. Draftsperson.....	\$ 65.00
10. Administrative Support.....	\$ 55.00

5. **Billing and Payment.** Unless provided for in a separate financing agreement, Client will be invoiced monthly for work performed during preceding month pursuant to approved Proposals. Client is responsible for payment of IES's invoices within thirty (30) days of their receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause within the thirty (30) day period at the rate of twelve percent (12%) per year until paid in full. In addition, Client shall be liable to IES for all costs incurred by IES in efforts to collect overdue payments from Client, including actual attorney fees and court costs.

6. **Release of Reports and Environmental Data.** Environmental data, including but not limited to reports, documents, geological and hydrogeological profiling information, soil analytical results, and groundwater/subsurface water analytical results generated by IES or under subcontracted services ("data"), remain proprietary in nature and will not be released until submitted invoices pertaining to the obtainment of the environmental data are paid in full. However, IES reserves the right to release environmental data at its discretion to Client, or third parties specified by Client, without or prior to full reimbursement of said invoices.

7. **Security Interest and Construction Lien.** Client agrees to prepare, record and provide to IES a notice of commencement, as that term is defined in the Michigan Construction Lien Act, MCL 570.1101 *et seq.*, for the project site. If a claim of construction lien is filed by IES, Client understands and authorizes IES to add a time-price differential of 18% on the Services to the lien amount.

8. **Limitation on Scope of Service.** Client agrees that unless expressly provided for in an approved Proposal, IES has had no role in generating, treating, storing, disposing or arranging for disposal of hazardous or toxic substances, pollutants or contaminants which may be present at the project site (hereinafter "Waste Materials") as such terms are defined by the Comprehensive Environmental Response, Compensation and Liability Act, being 42 USC 9601 *et seq.* (hereinafter "CERCLA"), and/or Parts 201, 211, and 213 of the Natural Resources and Environmental Protection Act, being MCL 324.20101 *et seq.*, MCL 324.21101 *et seq.*, and MCL 324.21301 *et seq.*, (hereinafter "NREPA") or any other state or federal law or regulation and that IES has not benefited from the processes that produced such Waste Materials. Any Waste Materials encountered by or associated with Services provided by IES on the project site shall at no time be or become the property of IES. In addition, Client expressly agrees that IES is not an "operator," as defined by CERCLA and/or Parts 201, 211 and 213 of NREPA, of the project site or facility where IES is performing the Services.

9. **Site Access and Control.** Client grants a right of entry to the project site to IES, its employees, agents and subcontractors to perform the Services. If Client does not own the project site, Client warrants and represents to IES that Client has the authority and permission of the owner and occupant of the project site to grant this right of entry. If, as a requirement of performing the Services, IES or its subcontractors damages or alters property owned by a third party, Client agrees to pay the cost of restoring the property to its condition prior to the performance of the Services. By execution of this Agreement, Client acknowledges that it is now and shall remain in control of the project site at all times.

10. **Indemnification.** Client shall indemnify, hold harmless and defend IES and its shareholders, directors, officers, employees and agents from and against any and all losses, damages, claims, liabilities, costs and incidental expenses, including actual attorneys fees, which any or all of them may incur, be responsible for, or pay out as a result of bodily injury (including death) to any person, damage (including loss of use) to any property, contamination or adverse effects on the environment arising out of or which are connected with: (1) a release of Waste Materials not due to the negligent omission, conduct, and/or willful misconduct of IES; (2) any negligent omission, conduct, and/or willful misconduct of Client or Client's employees, agents, or subcontractors; or (3) Client's breach of this Agreement.

Directory: MASTERS/INNOVATIVE/FORMS/0980 – MASTER PSA – SA & PHI
 Origination Date: 01/01/07
 Revision Date: 02/12/07
 Form Number: 0980

Created By: James Springstead
 Revised By: James Springstead



INNOVATIVE

ENVIRONMENTAL SOLUTIONS, INC.

MASTER PROFESSIONAL SERVICE AGREEMENT-PAGE 2

Site Assessment Services

11. **Limitation of Liability.** IES shall not be responsible for any special, incidental, indirect or consequential damages for any claim arising out of this Agreement, the Services contemplated under this agreement, or any Proposal pursuant to this Agreement, including loss incurred by Client as a result of IES's non-performance of the Services. Any claim of any nature whatsoever shall be deemed waived unless made by Client in writing and received by IES within one year after completion of the Services with respect to which the claim is made. IES's liability shall be limited to \$50,000.00 or the cost of IES's professional service fees for the project, whichever is less.

12. **Disclaimer of Warranties.** Unless provided for in an approved Proposal, and other than those provided by the manufacturers of materials furnished in connection with the Services, there are no warranties, either express or implied, which are not expressly contained within this Agreement. Particularly, there are NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE regarding any of the Services, goods, or equipment sold pursuant to this Agreement.

13. **Utilities and Subterranean Structures.** Client shall be responsible for the proper identification of all utility lines and subterranean structures and conditions, including, but not limited to, underground storage tanks, piping, utility lines, drinking wells, old foundations, water pipes, drains, and sewer lines within the property lines of the project site and which are not identified by "Miss Dig" Utility Marking Services. Client agrees to waive any claim against IES and to defend, indemnify and hold IES harmless from any and all claims, damages, losses, liabilities and expenses, including actual attorneys fees, arising out of or resulting from any damage to utilities or subterranean structures caused by IES or its subcontractors that were not correctly identified by "Miss Dig" and/or Client within the property lines of the project site.

14. **Part 211 Site Assessment and Closure Sampling.** Client acknowledges that Site Assessment and Closure Sampling cost estimates assume that there has been no "release" at the project site and that if a "release" is encountered or if there are indicia that the project site is a "facility," as those terms are defined in parts 201, 211, and 213 of NREPA, there may be additional costs and obligations on client's part for sampling, excavation, soil disposal, and other remediation.

15. **Regulatory Reporting.** The Client acknowledges and agrees that unless provided for in a proposal signed by client, preparation and filing of all UST registration forms, notices of UST removal, amended registration forms, and release reports as may be required by parts 201, 211, and 213 of NREPA, the rules promulgated thereunder, or any other reporting required by any other state or federal law, rule or regulation is solely the responsibility of Client, and, unless otherwise provided for in a Proposal signed by client, IES shall have no obligation whatsoever to assure or effect compliance with any such reporting requirement.

16. **Phase I Environmental Site Assessments.** Phase I Environmental Site Assessments shall be performed pursuant to the Phase I Environmental Site Assessment standard promulgated by the American Society for Testing and Materials (ASTM). If a Phase I Environmental Site Assessment indicates that a Phase II Environmental Site Assessment is required, Innovative shall submit a separate proposal for such work, to be performed subject to the terms of this Agreement. Innovative agrees to attempt to produce a written report of the Site Assessment within four weeks of the date of this Agreement. However, Client acknowledges that IES' ability to submit reports is largely affected by factors beyond IES' control, including, but not limited to, Client's payment of retainers and invoices. Client's agreement to and return of Proposals, weather, subcontractor performance and availability, and other matters beyond IES' control. IES shall make all reasonable efforts to submit reports by the dates requested by Client; however, IES shall not be liable for damages, costs, or penalties of any nature whatsoever if reports are not completed on or by the date requested by Client. At an increased cost to be specified in an approved Proposal, completed portions of an otherwise uncompleted report may be furnished to the Client prior to receipt of the final report.

17. **Sampling/Testing Locations.** Unless otherwise agreed upon in an approved Proposal, it is not the intent of this Agreement to require IES to employ surveying services for the accurate location of sampling, testing or boring points. Coordinates and elevations presented in IES' reports to delineate locations of sampling, testing or boring are approximate and are based on information furnished by Client or its agents or are estimated in the field by IES personnel. If sample locations are precisely specified by Client, IES reserves the right to deviate a reasonable distance from such specified locations if site conditions or safety considerations require.

18. **Waste Materials and Sample Disposal.** Client understands that waste materials will be created in the normal course of work and must be temporarily stored prior to final disposal. Client agrees to the temporary storage of such waste materials on-site. To the extent permitted by law, IES will store the waste in containers and in locations as requested by the Client. Client assumes all risk for safeguarding the waste materials from vandalism, tampering, theft and any other damage. If provided for in an approved Proposal, IES agrees to arrange for the proper disposal of waste material. The terms "disposal" or "dispose" shall include any pretreatment, treatment (including incineration), and/or actual disposal of the waste material. All disposal facilities shall be disclosed to Client at the request of Client. The timing of disposal shall be at the discretion of IES in order to minimize cost, to comply with all applicable law, and to ensure the safety of the waste material. If provided for in an approved Proposal, Client agrees to appoint Innovative as its agent for purposes of obtaining federal or state waste identification numbers, for preparing and signing waste manifests, and for all phases of waste disposal.

19. **Termination.** If Client fails to make payments to IES for the Services, or if client in any other way materially breaches this Agreement, IES may, upon fourteen days written notice to Client, suspend performance of Services under this Agreement. In the event of suspension of Services, IES shall have no liability to Client for delays and/or damages incurred by Client because of such suspension of Services. IES reserves the right, upon fourteen days written notice to Client, to cancel or renegotiate the provisions of this Agreement should 1994 PA 451 or its implementing rules be amended.

20. **Legal Proceedings.** Subject to paragraph 5, Client shall also be responsible for and pay IES at its prevailing rates for all time spent by IES employees in connection with any court, administrative or other legal proceedings arising from or relating to the Services provided under this Agreement. All eligible legal proceedings shall be brought exclusively in the United States District Court for the Western District of Michigan, or if there is no jurisdiction in such court, then in a state court in Ingham County, Michigan.

21. **Independent Contractor.** IES shall have the role of an independent contractor, not that of an agent or employee of Client. IES shall be solely responsible for the compensation, benefits, contributions and taxes, if any, of its employees and agents.

22. **Assignment.** This Agreement shall not be assigned or transferred by Client or IES without the prior written consent of the other party, and if either party assigns or transfers this Agreement, the other party shall have the option to terminate this Agreement without any liability to either party, provided, however, that IES shall be entitled to payment for Services performed and costs advanced prior to such termination.

23. **Confidentiality.** IES agrees to maintain in confidence all information obtained pursuant to this Agreement or any Proposals authorized pursuant to this Agreement, except where disclosure is compelled by law, including threat of contempt of court, or is necessary to enforce the terms of this Agreement. Client acknowledges that all reports filed with state and federal agencies on Client's behalf by IES become public records subject to dissemination through the Freedom of Information Act. Further, Client expressly agrees that IES may disclose information to and speak freely with state and federal agency employees who may have an official interest in the Services or the premises where the Services are being performed. Client expressly agrees that Innovative may disclose information to analytical laboratories and other subcontractors that is reasonably necessary to perform the Services contemplated by this Agreement or any Proposals approved pursuant to this Agreement. Client expressly agrees that should contamination be found to extend from Client's property onto properties owned by third parties, IES will need to obtain off-site access agreements and road right-of-way permits to perform the Services. Accordingly, Client expressly agrees that IES may disclose such information as IES, in its sole discretion, believes is reasonably necessary to obtain such off-site agreements and right-of-way permits.

Directory: MASTERS/INNOVATIVE/FORMS/0980 - MASTER PSA - SA & PH I
Origination Date: 01/01/07
Revision Date: 02/12/07
Form Number: 0980

Created By: James Springstead
Revised By: James Springstead



INNOVATIVE
ENVIRONMENTAL SOLUTIONS, INC.

**MASTER PROFESSIONAL
SERVICE AGREEMENT-PAGE 3**
Site Assessment Services

24. Closure Report Submittal and Review. LUST Closure Reports must be approved by the local MDEQ District Quality Review Team (QRT) and then presented to and approved by the Lansing QRT. The Lansing QRT is unpredictable at best and IES makes no warranties or guarantees that the LUST Closure and/or Part 201 RAPS/closures submitted to the MDEQ will be approved.

25. Baseline Environmental Assessment Report Submittal and Review. If retained for the generation of a Baseline Environmental Assessment (BEA) Report, with the submittal of the BEA Report to the MDEQ, IES will make all reasonable efforts to ensure that the BEA Report meets MDEQ standards.

26. Miscellaneous. This Agreement shall be binding upon and inure to the benefit of each of the Parties, their respective heirs, legal representatives, successors and assigns. The Parties agree that this Agreement was mutually drafted and that no presumption relating to authorship shall be drawn when construing this Agreement. The captions in this Agreement are for reference purposes and are of no substantive force whatsoever. The laws of the state of Michigan shall govern the validity, performance and enforcement of the Agreement. With the exception of the documents expressly incorporated by reference herein, this Agreement contains the entire Agreement between the Parties and supersedes and annuls all other agreements, contracts, promises or representations, whether written or oral, between the Parties. No subsequent agreements, contracts, promises or representations shall be binding or effective between the Parties, unless set forth in writing and signed by the Parties. A forbearance or failure or delay by either of the Parties to exercise any right, power or remedy provided in this Agreement shall not be deemed to be a waiver of such rights, power or remedy. Each of the Parties agrees that they shall, from time to time upon the reasonable request of the other party, execute and deliver such additional documents, certificates, notices or instruments and shall take other action as may be reasonably required to effectively carry out the terms of this Agreement.

27. Authority to Execute. Both Parties signing this Agreement represent and warrant that their execution, delivery and performance of this Agreement has been duly authorized by all necessary corporate and other action, and is valid and binding upon such Parties.

28. Other Documents. Each of the Parties agrees that they shall, from time to time, upon the reasonable request of the other party, execute and deliver such additional documents and take other actions as may be reasonably required to effectively carry out the terms of this Agreement.

The Parties below have read and understand this Agreement and have executed this Agreement by their duly authorized agents as of the day and year first above written.

INNOVATIVE ENVIRONMENTAL SOLUTIONS, INC.

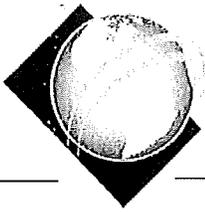
By: *Jerome Meyer*
Its: Senior Project Scientist
Date: September 22, 2016

CITY OF TROY

MR. STEVEN J. VENDETTE, P.E.

By: *Steven J. Vendette*
Its: *City Engineer*
Date: *9/29/16*

Directory:	MASTERS/INNOVATIVE/FORMS/0980 – MASTER PSA – SA & PH I		
Origination Date:	<u>01/01/07</u>	Created By:	<u>James Springstead</u>
Revision Date:	<u>02/12/07</u>	Revised By:	<u>James Springstead</u>
Form Number:	0980		



INNOVATIVE ENVIRONMENTAL SOLUTIONS, INC.

October 18, 2016

Mr. Steven J. Vendette, P.E.
City Engineer - City of Troy
500 West Big Beaver Road
Troy, MI 48084

**RE: PROPOSAL TO COMPLETE PART 213 STATUTORY FAR DELINEATION ACTIVITIES,
ANALYTICAL TESTING AND GENERATION OF A FINAL ASSESSMENT REPORT
CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
2745 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR DELINEATION ACTIVITIES**

Dear Mr. Vendette:

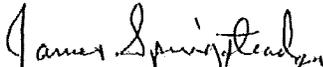
Please find attached a Proposal and Master Professional Services Agreement (PSA) for Innovative Environmental Solutions, Inc. (innovative) to complete final assessment delineation activities, analytical testing and the generation of a Final Assessment Report for the City of Troy property (the location of the former Mobil gasoline service station) leaking underground storage tank (LUST) site located at 2745 Rochester Road in Troy, Michigan, to bring the site towards and/or into compliance with the contaminant delineation and reporting requirements contained within Part 213 of Act 451 of 1994, as amended (Michigan's environmental statute regulating LUST releases and response actions).

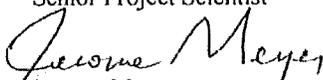
Innovative Environmental Solutions, Inc. (Innovative) has developed the following Proposal to outline the proposed final assessment contaminant delineation activities, analytical testing and the generation and submittal, if full delineation is achieved by the proposed activities, of Final Assessment Report (FAR) and their related costs. The following Proposal details the costs associated with the completion of a receptor evaluation, the completion of drilling activities (four soil borings), the installation of four monitoring wells, surveying, gauging and sampling of the monitoring wells, the submittal of select soil and subsurface water samples for laboratory analysis and the generation and submittal of a FAR (if full contaminant delineation is achieved) to the RRD of the MDEQ Southeast Michigan District Office. These activities would be performed in accordance with Innovative's Master PSA, which outlines the general terms and conditions and allows Innovative to respond efficiently to often changing site conditions.

If you have any questions or comments related to the attached documents, please do not hesitate to contact the undersigned at (616) 681-8098. Upon receipt of the signed Proposal and Master PSA, Innovative will proceed with the actions outlined on the following pages. We appreciate the opportunity to do business with you.

Respectfully Submitted,

INNOVATIVE ENVIRONMENTAL SOLUTIONS, INC.


James Springsstead
Senior Project Scientist


Jerome Meyer
Senior Project Scientist

JS/JM:jm

**PROPOSAL TO COMPLETE PART 213 STATUTORY FAR DELINEATION ACTIVITIES,
ANALYTICAL TESTING AND GENERATION OF A FINAL ASSESSMENT REPORT
CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
2745 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR DELINEATION ACTIVITIES
OCTOBER 18, 2016 - PAGE TWO**

This Proposal incorporates by reference the terms of Innovative's Master PSA. It is to be read and interpreted in conjunction with that agreement.

Based on the October 5, 6 and 10, 2016 LUST assessment field observations and subsurface water analytical results, several final assessment contaminant delineation monitoring wells need to be installed within and around the perimeter of the historical 2745 Rochester Road LUST study area to attempt to delineate the horizontal extent of the gasoline contaminant plume. Listed below is a summary of the Scope of Work associated with the proposed activities.

SCOPE OF WORK:

- A Health and Safety Plan will be developed for use during the completion of the LUST delineation MWs;
- The Michigan MISS Dig system will be contacted for staking of the underground utilities a minimum of 72 hours in advance of the scheduled drilling dates;
- Permits may be needed from the City of Troy and from the Michigan Department of Transportation (MDOT) for the completion of MWs located in the respective road agency right of ways;
- Supervision of the completion of four soil borings to an approximate depth of 16 feet below ground surface (bgs);
- Supervise the installation of four two inch diameter PVC monitoring wells with 5 foot long slotted well screens;
- Completion, utilizing the RRD of the MDEQ low flow sampling protocol, of sampling of the subsurface water from the five new monitoring wells;
- Submittal of approximately 4 select soil samples along with the required 3 duplicate, equipment and field blanks and approximately 4 subsurface water samples along with the required 3 duplicate, equipment and field blanks for the absence/presence of leaded and unleaded indicator parameters (note - PNA testing will be added to a few of the samples due to the presence of a few PNA compounds in the historical sampling data set) by their respective EPA test methods;
- Evaluation of the laboratory analytical results against the applicable RRD of the MDEQ Part 213 Tier I Cleanup Criteria; and
- Preparation of, if full delineation is achieved from the four proposed MWs, a LUST Final Assessment Report (if full delineation is not achieved - Innovative would generate a LUST Final Assessment Status Report) in the required RRD of the MDEQ format including color CAD generated maps, Soil Boring and/or Monitoring Well Logs, soil and subsurface water analytical comparison charts, a summary of the findings with recommendations for taking the site to closure in accordance with the requirements of Part 213 of Act 451 of 1994, as amended.

PROPOSAL TO COMPLETE PART 213 STATUTORY FAR DELINEATION ACTIVITIES,
 ANALYTICAL TESTING AND GENERATION OF A FINAL ASSESSMENT REPORT
 CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
 2745 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
 INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR DELINEATION ACTIVITIES
 OCTOBER 18, 2016 - PAGE THREE

ESTIMATE OF COSTS TO COMPLETE FINAL ASSESSMENT DELINEATION ACTIVITIES, ANALYTICAL TESTING AND GENERATION OF A FINAL ASSESSMENT REPORT (FAR) OR A FAR STATUS REPORT

Professional Environmental Services

Senior Project Scientist – LUST project oversight/supervision and sample selection approval (2 hrs. @ \$125.00/hr.).....	\$ 250.00
Project Scientist – Project briefings, oversight & debriefings (4 hrs. @ \$105.00/hr.).....	\$ 420.00
Field Scientist – MW installation supervision field screening, survey and gauging activities, and subsurface water sampling activities (20 hrs. @ \$75.00/hr.).....	\$ 1,500.00
Professional Services Total	\$ 2,170.00

Estimated Drilling and Monitoring Well Installation Services

4 Soil Borings/Monitoring Wells to Approximately 16 feet bgs.....	\$ 3,500.00
Drilling and Monitoring Well Installation Services Total.....	\$ 3,500.00

Environmental Laboratory Analysis Services

4 Soil samples analyzed for leaded and unleaded indicator parameters;	
3 Soil QA/QC samples in accordance with the RRD of the MDEQ requirements;	
4 Subsurface water samples analyzed for leaded and unleaded indicator parameters;	
3 Soil QA/QC samples in accordance with the RRD of the MDEQ requirements	
(14 samples @ \$75/sample).....	\$ 1,050.00
Laboratory Services Total	\$ 1,050.00

Equipment Fees, Mobilization and Mileage

PID Unit (1 day @ 150.00/day).....	\$ 150.00
Interface Probe (1 day @ \$100.00/day).....	\$ 100.00
Low Flow Sampling Equipment (1 day @ \$150.00/day).....	\$ 150.00
Mileage	\$ 150.00
Miscellaneous - decontamination materials, supplies, etc. (2 days @ \$75.00/day)	\$ 150.00
Equipment Fees, Mobilization and Mileage Total.....	\$ 700.00

Field Services Estimate of Costs Total..... \$ 7,420.00

FINAL ASSESSMENT REPORT GENERATION ACTIVITIES - ESTIMATE OF COSTS

Senior Project Scientist (2 hrs. @ \$125.00/hr.).....	\$ 250.00
Project Scientist (6 hrs. @ \$105.00/hr.).....	\$ 630.00
Staff Scientist (10 hrs. @ \$90.00/hr.)	\$ 900.00
Draftsman (10 hrs. @ \$65.00/hr.).....	\$ 650.00
Initial Assessment Report Estimate of Costs Total	\$ 2,430.00

TOTAL ESTIMATE OF COSTS TO COMPLETE FINAL ASSESSMENT DELINEATION ACTIVITIES, ANALYTICAL TESTING & GENERATION & SUBMITTAL OF A FINAL ASSESSMENT REPORT \$ 9,850.00

PROPOSAL TO COMPLETE PART 213 STATUTORY FAR DELINEATION ACTIVITIES,
ANALYTICAL TESTING AND GENERATION OF A FINAL ASSESSMENT REPORT
CITY OF TROY PROPERTY (FORMER MOBIL GASOLINE SERVICE STATION)
2745 ROCHESTER ROAD AT I-75, TROY, MICHIGAN
INNOVATIVE PROPOSAL NUMBER – PRB-16-229 – FAR DELINEATION ACTIVITIES
OCTOBER 18, 2016 - PAGE FOUR

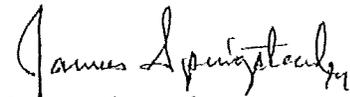
If the scope of work is limited to that outlined on Pages Two and Three, the estimated cost of our services is \$9,850.00. If the scope of work changes due to unforeseen circumstances and additional services are requested, they will be provided in accordance with the rates and unit prices included in this proposal.

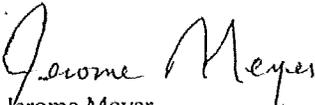
This proposal incorporates by reference the terms of Innovative Environmental Solutions, Inc.'s Master Professional Service Agreement, whether or not such PSA is executed by the client. Additional copies of the Master Professional Service Agreement will be furnished upon written request by the client.

Please indicate your acceptance of this Proposal and PSA by signing one copy of each document and returning them for our records. Please feel free to contact our office at (810) 220-0033 if you have any questions or comments concerning the attached costs.

Respectfully Submitted,

INNOVATIVE ENVIRONMENTAL
SOLUTIONS, INC.


James Springstead
Senior Project Scientist


Jerome Meyer
Senior Project Scientist

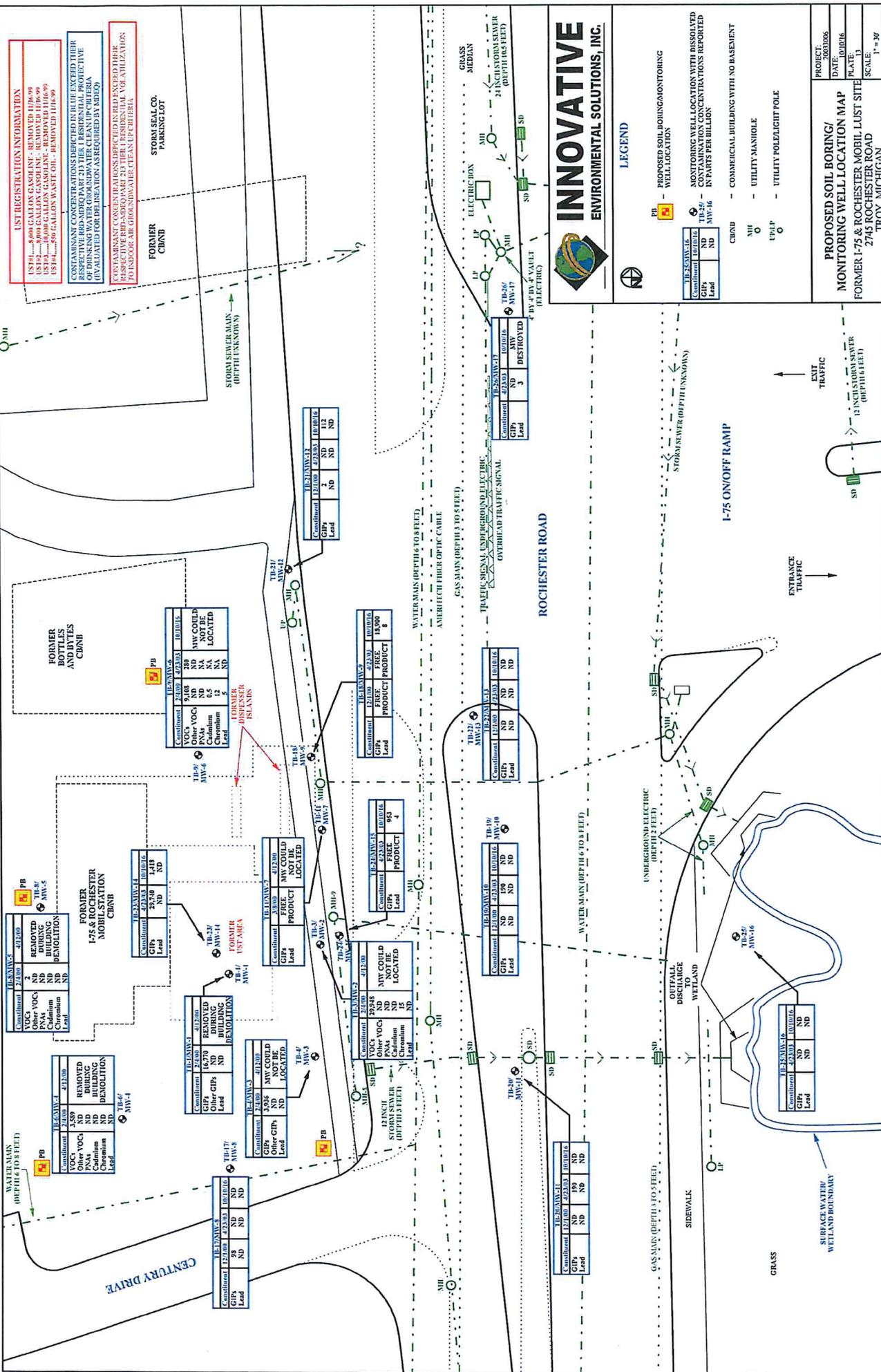
JS/JM:jm

APPROVED AND ACCEPTED:
CITY OF TROY
MR. STEVEN J. VENDETTE, P.E.

BY: _____

DATE: _____

INVOICE ADDRESS



UST REGISTRATION INFORMATION

UST #1 - 4,000 GALLONS GASOLINE - REMOVED 11/16/99
 UST #2 - 4,000 GALLONS GASOLINE - REMOVED 11/16/99
 UST #3 - 4,000 GALLONS GASOLINE - REMOVED 11/16/99
 UST #4 - 4,000 GALLONS GASOLINE - REMOVED 11/16/99
 UST #5 - 4,000 GALLONS GASOLINE - REMOVED 11/16/99

CONSTANT CONCENTRATIONS DETECTED IN ALL EXCEPT THEIR RESPECTIVE BRD-ADDED PART 213 TIER 1 RESIDENTIAL PROTECTIVE OF DRINKING WATER GROUNDWATER CLEANUP CRITERIA EVALUATED FOR TREATMENT AS REQUIRED BY BRD-20

CONSTANT CONCENTRATIONS DETECTED IN ALL EXCEPT THEIR RESPECTIVE BRD-ADDED PART 213 TIER 1 RESIDENTIAL VOLATILIZATION FOR INDOOR AIR GROUNDWATER CLEANUP CRITERIA

FORMER CHUBB
 FORMER SEAL CO.
 PARKING LOT

FORMER BOTTLES AND BYTES CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND

FORMER 1-75 & ROCHESTER MOBIL STATION CHUBB

Condition	2	ND	ND	ND	ND
Other VOCs	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND



LEGEND

- PROPOSED SOIL BORING/MONITORING WELL LOCATION
- MONITORING WELL LOCATION WITH PASSED AND COMPLETED CONCENTRATIONS REPORTED IN PARTS PER BILLION
- COMMERCIAL BUILDING WITH NO BASEMENT
- UTILITY MANHOLE
- UTILITY POLE/LIGHT POLE

PROPOSED WELL LOCATION MAP
 FORMER 1-75 & ROCHESTER MOBIL LUST SITE
 TROY, MICHIGAN

PROJECT:	70030006
DATE:	10/10/16
PLATE:	13
SCALE:	1" = 30'