

151 Martin Birmingham, MI 48009 248.530.1800

## VIRTUAL MEETING OF THE BIRMINGHAM BROWNFIELD REDEVELOPMENT AUTHORITY

Thursday, May 6, 2021 1:00 p.m.

https://zoom.us/j/93068949411

or dial: 877-853-5247 Toll-Free, Meeting Code: 930 6894 9411

- Call to Order
- 2. Approval of minutes of August 7, 2019 meeting.
- 3. 856 N. Old Woodward Brownfield Reimbursement Request
- 4. Open to the public for items not on the Agenda
- 5. Adjournment

Approved minutes of the meeting are available in the Community Development Office or online at www.bhamgov.org.

Notice: Due to Building Security, public entrance during non-business hours is through the Police Department—Pierce St. Entrance only. Individuals with disabilities requiring assistance to enter the building should request aid via the intercom system at the parking lot entrance gate on Henrietta St.

Persons with disabilities that may require assistance for effective participation in this public meeting should contact the City Clerk's Office at the number (248) 530-1880, or (248) 644-5115 (for the hearing impaired) at least one day before the meeting to request help in mobility, visual, hearing, or other assistance.

Las personas con incapacidad que requieren algún tipo de ayuda para la participación en esta sesión pública deben ponerse en contacto con la oficina del escribano de la ciudad en el número (248) 530-1800 o al (248) 644-5115 (para las personas con incapacidad auditiva) por lo menos un dia antes de la reunión para solicitar ayuda a la movilidad, visual, auditiva, o de otras asistencias. (Title VI of the Civil Rights Act of 1964).

# Brownfield Redevelopment Authority MINUTES City Commission Room Municipal Building 151 Martin Street, Birmingham, Michigan

#### Wednesday, August 7, 2019 9:00 a.m.

1. Chairperson Beth Gotthelf convened the meeting at 9:00 a.m., inviting all present for the discussion of the 2400 E. Lincoln case to briefly introduce themselves.

Members Present: Chairperson Beth Gotthelf

Vice Chairman Robert Runco (arrived at 9:04 a.m.)

Harry Awdey Dani Torcolacci

Member Absent: Wendy Zabriskie

Administration: Joseph Valentine, City Manager

Jana Ecker, Planning Director Mark Gerber, Finance Director

Jeffrey Haynes, Beier Howlett, Brownfield Attorney

Laura Eichenhorn, Transcriptionist

Also Present: Judith Miller, Attorney for 2400 E. Lincoln

Arthur Siegel, Attorney for 2400 E. Lincoln

David Cohen, Managing Member of 2400 E. Lincoln

Tom Wackerman, ASTI Environmental

Bob Borst, HM Environmental Tony Anthony, AKT Peerless Kirsten Hardy, AKT Peerless Karen Pearman, 2400 E. Lincoln

2. Approval of minutes of the June 14, 2019 and June 19, 2019 meetings

Motion by Ms. Torcolacci Seconded by Mr. Awdey to approve the June 14, 2019 minutes as presented.

Motion Carried, 3-0.

**VOICE VOTE** 

Yeas: Gotthelf, Torcolacci, Awdey

Nays: None

The Authority decided to approve the June 19, 2019 minutes at the next Authority meeting, yet to be scheduled, since the June 19, 2019 minutes were not provided in the current meeting's

agenda packet.

#### 3. 2400 E. Lincoln – Brownfield Reimbursement

City Attorney Haynes explained documentation dated November 16, 2005 was located regarding the grant that 2400 E. Lincoln had made to the City in the amount of \$310,205. The documentation demonstrated that the developer advanced the City money to pay AKT Peerless, which was doing work on 2400 E. Lincoln for both the developer and the City.

When the City received reimbursement from the State for that amount, the City was to pay the developer back. To date the City has paid the developer 90% of the granted amount, with a payment for 10% of the granted amount still outstanding.

City Attorney Haynes stated that while this documentation provided a basis for repaying the remaining \$31,020.50, or 10% of the original amount, the documentation made no provision for interest since it was intended that the amount would be repaid by the City immediately upon its receipt of funds from the State.

City Attorney Haynes said this payment would have to be made and approved of by the City Commission as part of any settlement with the developer, and that the Authority could recommend the City do so. He also said that "undocumented loan" in the last paragraph of the suggested resolution should be corrected to read "advances".

Chairperson Gotthelf stated the Authority should separate the motions for recommending the Commission repay the remainder of the advance and the Authority's own ultimate determination as to eligible Brownfield reimbursements.

City Attorney Haynes concurred with Chairperson Gotthelf.

#### Motion by Mr. Runco

Seconded by Mr. Awdey to recommend the City Commission pay 2400 E. Lincoln the 10% remainder on the \$310,205 advance, without interest, which totals \$31,020.50.

Motion Carried, 4-0.

**VOICE VOTE** 

Yeas: Runco, Awdey, Gotthelf, Torcolacci

Nays: None

Mr. Siegel stated that since the Authority's June 19, 2019 meeting documentation was located indicating that J.P. Morgan Chase, as the developer's lender at the time of the 2400 E. Lincoln project, had a financial interest in these proceedings. He said that as a result of conversations between the developer's team, City Attorney Haynes, and the lender's counsel, it was determined that the developer would hold the interest to this cash flow. Mr. Siegel also explained that the developer's team provided City Attorney Haynes with a document indemnifying the City and the Authority against any other third party attempting to seek payment from the City in regards to 2400 E. Lincoln.

City Attorney Haynes advised the Authority mention in their resolution the indemnification from the developer to the City and the Authority, a release by J. P. Morgan Chase for its claims to the reimbursement agreement, a release from the developer to the City and the Authority the \$31,020.50 grant advance, and a final judgment to be entered upon resolution of all relevant matters.

City Attorney Haynes reported that Finance Director Mark Gerber determined that the City's administrative costs for this Plan have come to around \$170,000 of the \$180,000 claimable amount as set forth in the Plan. The developer has paid about \$50,000 of that amount. As a result, the first tax captures from 2400 E. Lincoln will pay the City around \$120,000. In addition, Finance Director Gerber has determined that the 2019-2020 tax capture from 2400 E. Lincoln will be about \$180,000.

City Attorney Haynes explained that if the Authority approves the recommended amounts, the reimbursements would be paid to the developer over the course of the next seven to nine years.

City Manager Valentine said the Authority's resolution should include each mandatory condition part of the reimbursement process.

Mr. Siegel explained that the developer incurred a \$39,600.01 cost in preparing a Baseline Environment Assessment (BEA) before June 27, 2005, when the Brownfield Plan went into effect. He explained that while Section 3(a)(3) seems to indicate that expenses incurred before the Plan's effective date are ineligible unless explicitly mentioned within the Plan, Section 3(e) states that any eligible work conducted by the developer prior to the Plan's effective date "shall be considered to have been conducted by the BBRA and the owner shall be considered to have performed such eligible activity on behalf of the BBRA", and Section 5(d) states that "the BBRA may use funds retained under Section 5 to pay the costs of eligible activities for which reimbursement is available under this agreement that occurred before the effective date of the Plan only after the reimbursements described in Section 4 occur."

Section 4 addresses reimbursement-eligible expenses incurred by the developer after the effective date of the Plan.

Pursuant to this language, Mr. Siegel stated it was the developer's position that the City's administrative expenses should be paid first, the developer's eligible expenses incurred after the Plan's effective date should be paid second, and that any eligible expenses incurred before the Plan's effective date should be paid third.

Mr. Siegel also noted that BEA expenses are elsewhere mentioned as eligible expenses in the Agreement documentation.

Mr. Siegel said the developer would cease their request for any additional interest beyond the \$206,128.39 if the BBRA approved Mr. Wackerman's recommendation of a \$1,052,999.11 reimbursement, Mr. Wackerman's recommendation of a \$206,128.39 interest payment, and a payment of the \$39,600.01 for pre-plan eligible expenses.

Mr. Siegel stated he was also aware of some reticence on the part of the City Commission to reimburse the remaining \$31,020.50 of the grant. He asked the Authority to resolve that amount

as a BBRA reimbursement-eligible expense if the Commission does not approve its reimbursement. Mr. Siegel argued that the \$31,020.50 was part of eligible remedial expenses for 2400 E. Lincoln.

In reply to Chairperson Gotthelf, Mr. Siegel explained the \$310,205 was a grant to the City, from the State, to cover part of the remediation expenses for 2400 E. Lincoln. Because the City did not want to advance the \$310,205 before receiving the grant from the State, however, the developer advanced the \$310,205 instead. When the State released 90% of the grant amount to the City, the City immediately repaid the developer for that amount. The State released the 10% remainder of the grant to the City in 2009, which the City did not repay to the developer.

Mr. Siegel stated that the entirety of the grant monies was spent on the 2400 E. Lincoln and the surrounding property which included the City of Birmingham dump.

Ms. Miller clarified that the developer's offer to end pursuit of interest payments above and beyond the \$206,128.39 remained contingent on the \$31,020.50 being repaid by the City to the developer.

Doron Yitchaki, attorney for J.P. Morgan Chase, explained that during 2400 E. Lincoln's 2009-2010 bankruptcy, 2400 E. Lincoln's bankruptcy trustee provided Chase a Bill of Sale for all of 2400 E. Lincoln's rights, which included future payments, in April 2010.

Mr. Yitzchaki stated that J.P. Morgan Chase and 2400 E. Lincoln have reached a fully-executed global resolution regarding J.P. Morgan Chase's claims to any reimbursements that will result from these proceedings. Part of that resolution includes a release of the BBRA and the City of Birmingham by Chase, and a copy of a Bill of Sale demonstrating that Chase transferred their rights regarding 2400 E. Lincoln to the developer. Those two documents are in escrow with Mr. Yitzchaki pending the Authority's approval of 2400 E. Lincoln's requested reimbursement amounts, and entry of a judgment by Judge Alexander of Oakland County. Once those two conditions are met, Mr. Yitchaki stated he would release the documents currently in escrow to City Attorney Haynes. Mr. Yitzchaki requested that the BBRA approve 2400 E. Lincoln's requested amounts expediently, stating that time was of the essence for Chase.

In reply to Chairperson Gotthelf, Mr. Yitzchaki explained that if this process does not proceed quickly, Chase will have to intervene as a party in the current Oakland County Court case related to this matter. He said that if that were to occur the case would become vastly more complex, resulting in scheduling orders not being met and further discovery. The resolution made between 2400 E. Lincoln and Chase allows Chase to avoid the further costs that would be entailed in getting involved in the litigation. He said if the process is not complete by September 1, 2019 Mr. Yitchaki would have to decide whether to try to reach a new agreement with 2400 E. Lincoln or whether to intervene in the litigation on behalf of Chase.

Mr. Wackerman reviewed his findings for the Authority.

Ms. Torcolacci said she would be comfortable authorizing payment for \$206,128.39 and \$1,052,999.11 and a decision on the part of the Authority not to pay the \$39,600.01. She said it was reasonable to consider the \$39,600.01 a pre-plan expense.

Mr. Runco said he would be comfortable authorizing payment solely for the \$1,052,999.11, with the understanding that the Authority requested the City Commission also pay the \$31,020.50 separately from the Authority's proceedings.

Mr. Awdey said he disagreed with authorizing payment for the \$206,128.39, and agreed with authorizing payment for the \$39,600.01.

Chairperson Gotthelf noted that payment for the \$39,600.01 in pre-plan expenses on the part of the City is discretionary according to the Plan and a cost the developer would have expected to incur. She said that because the payment is discretionary, and because the City may have proceeded differently with the project had it known the development it agreed to would not end up being built, she was in favor of not authorizing payment for the \$39,600.01.

Mr. Siegel noted that page 15 of the Plan, regarding interest, reads "interest shall begin to accrue after completion of the developer's expenditures," which was May 2006. The passage continues that "the developer shall provide the Authority with the final total, and the amount of interest payable shall be calculated on the outstanding principal balance." Mr. Siegel asserted that while payment for the pre-plan expenses may be discretionary, payment of the interest is mandatory according to the language of the Plan.

Mr. Awdey said Chairperson Gotthelf's comments regarding the \$39,600.01 were persuasive, and that he no longer thought payment for that amount should be authorized.

In reply to Chairperson Gotthelf, Finance Director Gerber confirmed that interest is accurately calculated at \$206,128.39, according to the Plan's provisions.

City Attorney Haynes clarified that, according to the first paragraph on page 15 of the Plan, interest accrued based on eligible expenses. The payment of interest was not set out in the Plan as being contingent on the completion of the project. He said it was his view that the \$206,128.39 in interest meets all the requirements for reimbursement under the Brownfield Plan.

City Manager Valentine asked that the Authority consider an amendment to the suggested resolution language, under Item Three, that would read "And be it further resolved that the following conditions must be satisfied prior to any distributions occurring:

- 1. Indemnification be provided from 2400 E. Lincoln to the BBRA and the City to the satisfaction of the BBRA;
- 2. A release on the grant advance in a form acceptable to the City Attorney;
- 3. A release from J.P. Morgan Chase's claims to the BBRA in a form acceptable to the City Attorney; and,
- 4. Entry of a judgment to resolve the litigation in the case in the Oakland County Circuit Court before Judge Alexander."

Mr. Yitzchaki communicated via Ms. Miller that paragraph I of the resolution incorrectly describes Chase's Bill of Sale and release as attached to the resolution. Those two documents, rather, will be delivered by Mr. Yitzchaki to City Attorney Haynes upon the Authority's approval of 2400 E. Lincoln's requested reimbursement amounts and entry of a judgment regarding the litigation by Judge Alexander of Oakland County.

Chairperson Gotthelf stated that the Authority should move paragraph I to Item Five in the resolution in order to address the concerns raised by Mr. Yitzchaki and Ms. Miller. She then entered \$1,052,999.11 as the amount for Item One of the resolution language, and \$206,128.39 as the amount for Item Two of the resolution language.

Mr. Runco said he would rather address interest separate from the \$1,052,999.11 amount.

Chairperson Gotthelf said that the Authority would consider the \$206,128.39 amount and the \$31,020.50 amount after resolving the issue of the \$1,052,999.11 in response to Mr. Runco's request to do so.

#### Motion by Mr. Runco

Seconded by Ms. Torcolacci to 1. Approve the reimbursement request for eligible expenses in the amount of \$1,052,999.11. 2. The Brownfield Authority approves the request for interest in the amount of \$206,128.39. 3. The Brownfield Authority denies the request for reimbursement of pre-plan expenses because they are not eligible costs under the Brownfield plan. 4. The Brownfield Authority requests that city staff pay the Developer \$31,020.50 as the final repayment of the undocumented loan from the Developer to the City relating to the grant from the Department of Environmental Quality. And be it further resolved that the following conditions must be satisfied prior to any distributions occurring:

- 1. Indemnification be provided from 2400 E. Lincoln to the BBRA and the City to the satisfaction of the BBRA;
- 2. A release on the grant advance in a form acceptable to the City Attorney;
- 3. A release from J.P. Morgan Chase's claims to the BBRA in a form acceptable to the City Attorney;
- 4. Entry of a judgment to resolve the litigation in the case in the Oakland County Circuit Court before Judge Alexander; and
- 5. Chase Bank has sold and transferred to the Developer all of the Bank's rights and claims under the Reimbursement Agreement and the lawsuit, as evidenced by the bill of sale and release provided to the City.

#### Motion to amend by Mr. Runco

Seconded by Mr. Awdey to deny the request for interest in the amount of \$206,128.39.

Mr. Runco said he would be inclined to deny any interest payment.

Mr. Awdey said he believed paying interest would be inappropriate given the length of time that has passed, the fact that the development was never completed, and that the documentation for the completion date is a fax machine cover page.

Ms. Torcolacci said the Brownfield Agreement required the Authority to pay interest. She said that while she also would have liked better documentation than a fax cover sheet, reimbursement-eligible work was completed, which also obligates a payment of reimbursement-eligible interest. She said she understood that different dates of completion would change the amounts slightly, but that the Authority's obligation to pay interest still stood.

Chairperson Gotthelf asked if the developer would like to take a break from the proceedings to privately discuss some of the Authority's concerns regarding interest.

The developer indicated they would appreciate a brief recess.

Chairperson Gotthelf called for a brief recess of the meeting at 10:54 a.m.

Chairperson Gotthelf reconvened the meeting at 11:15 a.m.

Mr. Runco withdrew his proposed amendment to the motion.

Mr. Awdey withdrew his second of the proposed amendment.

#### Motion to amend by Mr. Runco

Seconded by Mr. Awdey to approve the request for interest in the amount of \$181,000 and to approve the request for the \$31,020.50 grant repayment as a reimbursable remediation expense under the Brownfield Plan if the City Commission does not authorize the \$31,020.50 repayment.

Amendment Carried, 4-0.

**VOICE VOTE** 

Yeas: Runco, Awdey, Gotthelf, Torcolacci

Nays: None

Motion Carried, 4-0.

**VOICE VOTE** 

Yeas: Runco, Torcolacci, Awdey, Gotthelf

Nays: None

4. Open to the Public for Items not on the Agenda

There was no public in attendance.

5. Adjournment

There being no further business, the board passed a motion to adjourn at 11:20 a.m.

Respectfully submitted,

Laura Eichenhorn Transcriptionist



#### **MEMORANDUM**

Planning Department

DATE: April 26, 2021

TO: Brownfield Redevelopment Authority

FROM: Jana Ecker, Planning Director

SUBJECT: Request for Reimbursement – 856 N. Old Woodward Avenue

The developer of the above-captioned property submitted its first request for reimbursement on November 16, 2020, and an updated request for reimbursement on March 19, 2021. These requests are made under the Brownfield Plan for the property approved by the City Commission on October 27, 2016, and the Reimbursement Agreement approved by the City Commission on November 16, 2016.

Over the past several months, there have been ongoing discussions between the City, the developer, environmental consultants and legal counsel to review all eligible expenses for reimbursement under the terms of the Brownfield Plan for 856 N. Old Woodward. A complete review of all documentation was conducted by ASTI Environmental, the City's environmental consultants, and the City's legal counsel. Please see attached report from Mr. Wackerman of ASTI Environmental dated March 25, 2021 for your review.

Based on the review of the reimbursement request by ASTI Environmental, and Mr. Haynes, the City's Brownfield attorney, it is recommended that the BRA find that the expenses eligible for reimbursement be considered for approval in the amount of \$1,940,528.97, which includes expenses for Phase I/Phase II/BEA analysis, due care activities, and Brownfield Plan preparation.

At this time, the Brownfield Authority's attorney is recommending consideration of the attached resolution for reimbursement under the Brownfield plan for 856 N. Old Woodward.

#### **Suggested Action:**

Motion to approve the attached resolution for reimbursement under the Brownfield Plan for 856 N. Old Woodward.

## RESOLUTION APPROVING REIMBURSEMENT REQUEST UNDER THE BROWNFIELD PLAN FOR 856 N. OLD WOODWARD

Seconded by\_\_\_\_\_

Moved by\_\_\_\_\_

A. for the propert	WHEREAS, the Birmingham City Commission approved the Brownfield Plar y at 856 N. Old Woodward on October 27, 2016; and,
Redevelopmen	WHEREAS, the City of Birmingham, the Birmingham Brownfield t Authority, and FLS Properties #5, LLC ("Developer") entered into a st Agreement dated November 16, 2016; and,
C. at the site; and	WHEREAS, the Developer performed work and incurred eligible expenses d,
	WHEREAS, the Developer submitted its first request for reimbursement or 2020, and submitted an updated request for reimbursement dated March
	WHEREAS, the Brownfield Authority consultant, ASTI Environmental reimbursement requests and submitted a memorandum dated March 25
	WHEREAS, the Brownfield Authority held a public hearing on the trequest on May 6, 2021;
THERE	FORE, BE IT HEREBY RESOLVED THAT:
	d Authority approves the reimbursement request for eligible expenses of \$
AYES:	
NAYS:	
PRESENT:	
ABSENT:	

#### **CERTIFICATION**

I, Alexandra Bingham, being the duly appointed and qualified Clerk of the City of Birmingham, Oakland County, Michigan, do hereby certify and declare that the foregoing is a true and correct copy of Resolution, the original of which is on file in my office, adopted by the Birmingham Brownfield Redevelopment Authority at a regular meeting held on May 6, 2021.
I further certify that notice of the meeting was given pursuant to and in full compliance with Act No. 267, Public Acts of Michigan, 1976, as amended.
Alexandra Bingham, City Clerk



#### **ASTI Environmental**

Date: March 25, 2021

**To**: Thomas Markus, City of Birmingham Jana Ecker, City of Birmingham Jeffrey Haynes, Beier Howlett

From: Tom Wackerman

Subject: FLS Properties #5, LLC, Brownfield Reimbursement Request Review, Property Known as 856

N Old Woodward Avenue, Birmingham, MI (ASTI Project No. 2-11666)

As requested by City of Birmingham (the City), through its Brownfield Authority, ASTI Environmental (ASTI) has reviewed all provided documentation regarding the reimbursement request dated November 16, 2020 with revised date March 8, 2021 (the Request) from FLS Properties #5, LLC (the Developer) for eligible activities conducted on one parcel at 856 N Old Woodward Avenue, parcel number 08-19-25-328-001 (the Eligible Property). This is the first request for reimbursement for the Eligible Property, and does not include any interest costs.

The Request was submitted on November 16, 2020. Following review of the original Request, ASTI submitted five requests for additional supporting documentation to the Developer's consultant (see Attachment A). Supporting documentation was provide in response to each request, and a modified Request was submitted March 19, 2021 (cover letter dated March 8, 2021). It is this modified Request that is the subject of this review.

The purpose of this review is to determine if the Request for the Eligible Property is in compliance with the approved Brownfield Plan, the Reimbursement Agreement, the approved Act 381 Work Plan, 1996 PA 381 (Act 381) at the time of approval, the City's cost reimbursement procedures, and generally accepted practices. This review includes the following attachments.

- Table 1: This is the summary of the amounts requested and recommended for approval. The line numbers in the first column are sequential and reference the supporting documentation provided with the Request (see Attachment B). The work descriptions are from the Request. The Notes column indicates deficiencies or additional information required for review.
- Table 2: This is the summary of the reimbursement request and this review compared to the approved Brownfield Plan and 381 Work Plan approved amounts.
- Table 3: This is a breakdown of eligible expenses in the HM Environmental Invoices in order to match the Request.
- Attachment A: List of Documents Reviewed



ENVIRONMENTAL Phone: 810.225.2800 Fax: 810.225.3800

Attachment B: Annotated copy of the Request, providing references for line numbers in Table 1.

The Request has been provided under separate cover.

#### **Background**

The Eligible Property is the subject of a Brownfield Plan dated July 26, 2016, revised November 3, 2016, and approved by the City of Birmingham on October 27, 2016 (the Plan), a Reimbursement Agreement approved by the City on November 16, 2016 (the Agreement), and a 381 Work Plan dated October 28, 2016 and approved by the MDEQ on December 22, 2016 (the 381 Work Plan). Please note that the final Plan was amended following City Commission approval to be consistent with the requirements of the City Commission Resolution #10-321-16 dated October 27, 2016.

The Plan and 381 Work Plan request reimbursement of eligible costs estimated at \$2,656,610. The Agreement references total eligible activity costs of approximately \$2,981,610, but limits reimbursement to the line item costs in the Plan plus a maximum of 15% contingency for each line item, and adds an adjustment to the total, for a total not to exceed amount of \$2,656,610 including interest, with a notto-exceed amount of \$2,148,247 for reimbursement of eligible expenses (refer to item #12 in Table 2 for the adjustment). The Plan anticipates a total of \$1,409,132, including interest, will be reimbursed from local taxes (Section 5).

The Plan estimates an interest cost of \$508,364, which is a not-to-exceed amount. Interest is simple interest at 3% of the actual outstanding balance.

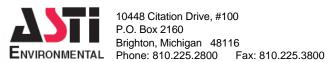
The Agreement limits the time for reimbursement to the earlier of the date that all the eligible costs are fully reimbursed under the agreement, or ten years after the date the Authority begins capture. capture started for the Eligible Property in 2018, so capture would end in 2028 unless reimbursement is completed earlier.

The Agreement indicates that if the state does not approve "the School Taxes component", then reimbursement for the school tax capture amount will not be provided from local taxes, indicating that only the local proportional share of that eligible cost will be reimbursed (Section 5). School tax capture was approved when the 381 Work Plan was approved in 2016.

#### Request for Reimbursement under the Brownfield Plan

The Request is for \$1,940,528.97 (or 73% of the approved Plan costs) to be reimbursed from local and school taxes. This is only a portion of the cost documentation provided in the Request. The documented costs attached in Appendix C of the Request totaled \$2,251,946.48, as indicated on the attached Table 1. Some of these costs were ineligible, were not included in the request, or were withdrawn from the application as indicated below and in Table 1.

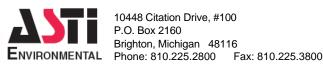
The Request was provided in the required format (the Petition per Exhibit C of the Agreement) and included a separate Developer's certification. Either waivers of lien or cancelled checks were provided



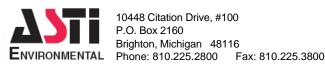
for all approved amounts. In some cases, the approved amount was less than the cancelled check provided.

The following clarifications are provided to explain the Request and the attachments to this memo. Please refer to attached tables for additional information and the reference numbers listed below.

- 1. The HM Environmental Services, Inc. Transaction Journal (pages 14 to 17 in Attachment B) was used to obtain details for review of line items 1, and 16 to 26 on attached Table 1. Eligible costs included liners, soils management, and groundwater management, and these are noted on the Transaction Journal. Cost allocations are provided in attached Table 3 in order to compare with the costs listed in the Appendix B summary table in the Request. Refer to the number at the bottom of each column in Table 3 to reference the amounts in Appendix B. Individual costs were consistent with the Request and supported by the Transaction Journal.
- 2. A copy of invoice 79807 from PM Environmental for \$1,500 was included in the Request (item #5). Based on information provided in a previous submittal, this invoice was paid by Strategic Property Exchanges, LLC and is therefore ineligible for reimbursement. ASTI recommended that it be removed from the request in an email dated 1/11/21, and this was agreed to by the Applicant's consultant in an email dated 1/22/21. As such, it is marked as "Removed from Request" in Attachment B, and is listed as Ineligible on Table 1.
- 3. Check 1223 from FLS Properties #5 LLC to PM Environmental for \$15,000 (item #30) was included in the Request, and a review of the check register indicates that it is apparently for payment of Invoice 84128, which was not provided, but does indicate that it was for "Disposal/Soil Removal Oversight". However, this check is not included in the amount requested for reimbursement and has therefore been removed from the Request. recommended that it be removed from the request in an email dated 3/19/21, and this was agreed to by the Applicant's consultant in an email dated 3/19/21. It is marked with a red line in Attachment B, and is listed as Ineligible on Table 1.
- 4. Check 1230 from FLS Properties #5 LLC to PM Environmental for \$5,000 (item #31) was included in the Request, and a review of the check register indicates that it is apparently for payment of Invoice 87608, which was not provided. However, this check is not included in the amount requested for reimbursement and has therefore been removed from the Request. ASTI recommended that it be removed from the request in an email dated 3/19/21, and this was agreed to by the Applicant's consultant in an email dated 3/19/21. It is marked with a red line in Attachment B, and is listed as Ineligible on Table 1.
- 5. AIA Change Order 003R (item #28) was included in the Request. Item #13 in that Change Order was for the vent barrier by the Douglas Co. in the amount of \$17,900. The Request originally included a request for reimbursement of \$19,690 for this item: \$17,900 plus a 10% markup of \$1,790. However, sufficient supporting documentation was not provided. recommended that it be removed from the request in an email dated 1/26/21, and this was



- agreed to by the Applicant's consultant in an email dated 2/8/21. As such, it is marked as "Removed from Request" in Attachment B, and is listed as Ineligible on Table 1.
- 6. Check 1216 from FLS Properties #5 LLC to PM Environmental (item #27a) references an Invoice #95569. A copy of this invoice was not provided for review, but the description indicates that it was for financial management associated with the Plan.
- 7. Check 1158 from FLS Properties #5 LLC to PM Environmental (item #27b) does not provide an invoice reference. A subsequent description indicated that it was for project management services.
- 8. As indicated in the Request, some reimbursement requests have been adjusted to 98% of the total amount incurred to reflect that the provided Waiver of Lien indicates that only 98% of the amount was released to the Applicant. It is anticipated that once the entire amount is released, the remaining 2% of the total cost for these items will be requested for reimbursement in a subsequent application.
- 9. The following four line items from the Plan are overbudget as indicated in Table 2. However, overall, the Project is still \$207,718 under budget. Please note that because of the reduction in approved reimbursable expenses in the Agreement (item 12 in Table 2), there is no Contingency for this project.
  - a) Costs for Soil Excavation as Haz Waste (line 2 in Table 2) are \$355,411 over budget (131% over budget). This was due to a 50% increase in the volume of soils characterized as hazardous waste. However, it is also due to the way the costs were allocated in the Request. Some of the costs in the Request included both hazardous and non-hazardous soils, or included excavation and transportation, and therefore could not be adequately allocated between the line items "Soil Excavation as Haz Waste" (line 2) and "Soil Transportation and Disposal" (line 3) in Table 2. Therefore, the total costs for soil excavation, transportation and disposal are below budget by \$88,352.
  - b) Costs for Excavation Oversight and Sampling (line 6 in Table 2) are \$60,324 over budget (212% over budget). The descriptive text included with the Request, indicates that the additional costs for PM Environmental were due the increased amount of hazardous soils requiring removal and therefore the increase in costs for assessment, oversight, sampling, and reporting.
  - c) Costs for Project Management (line 9 in Table 2) are \$1,982 over budget (66% over budget).
  - d) Costs for the Brownfield Plan/381 Work Plan (line 11 in Table 2) are \$1,000 over budget (11% over budget).



#### Recommendations

Based on this review, as illustrated in Table 1, the following is a summary the recommended eligible costs for approval from this Request.

- \$310,656.97 of the amount included in the documentation for this Request is not eligible because it was not requested for reimbursement, was withdrawn, or did not meet the eligibility requirements.
- \$760.54 may be eligible (listed as Potentially Eligible in Table 1) if sufficient documentation is provided. This amount is exclusively the 2% retained for items 15a and 15b.
- \$1,940,528.97 is eligible for reimbursement because sufficient documentation was provided, and the expense was authorized under the Plan.

#### **Next Steps**

ASTI recommends approval for reimbursement of \$1,940,528.97 for eligible expenses incurred on the Eligible Property.

If you have any further questions regarding the information provided in this memo please do not hesitate to contact me at 810-599-5463 twacker@asti-env.com.

Table 1. Reimbursement Request Review
City of Birmingham
Property Located At: 856 North Old Woodward Avenue, Birmingham, MI
Reimbursement Request For: FLS Properties #5, LLC
Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

Date of Brownfield Plan Approval: Date of Reimbursement Agreement: Date of 381 Work Plan Approval: Date of Reimbursement Request: Modified:

October 27, 2016 November 16, 2016 December 22, 2016 **November 16, 2020; Revised March 8, 2021** 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

Date of Review: March 25, 2021 First Request				Modified: 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21											
Ref No Payee		Description of Work	Date of Invoice	Invoice Reference Number	Applicant Reference Number	Invoice Attachment No.	Cancelled Check?	Check No.	Check Date	Signed Affidavit or Waiver of Lien?	Waiver Date	Documentation Provided	Potentially Eligible - Additional Information Needed	Ineligible Amount	Total Amount Recommended For Approval
Total A	Amount Below											\$2,251,946.48	\$760.54	\$310,656.97	\$1,940,528.97
Baseli	ne Environmental Assess	sments										\$14,015.00	\$0.00	\$0.00	\$14,015.00
2	PM Environmental	GPR, Sampling and Laboratory Services	9/21/15	73902	A1		Yes	1162	11/19/15			\$14,015.00			\$14,015.00
Soil Ex	xcavation as Haz Waste											\$0.00	\$0.00	\$0.00	\$0.00
Soil Tr	(see B2 Below) ransportation and Dispos	23			B1							\$2,018,856.74	\$0.00	\$264,373.97	\$0.00 <b>\$1,754,482.77</b>
0011 11	ansportation and Dispos											\$2,010,030.74	\$0.00	Ψ204,313.31	ψ1,134,402.11
1	HM Environmental	Excavation, Transportation and Disposal of non- hazardous soils, excavation of hole and moving stockpile, backfill, regrading	4/6/18	24261	B2		No			Unconditional Waiver	6/26/18	\$43,903.66		\$35,754.92	\$8,148.74
16	HM Environmental	Miscellaneous site work and stone	11/17/17	23684	В3		No			Unconditional Waiver	6/26/18	\$85,990.50		\$85,990.50	\$0.00
17	HM Environmental	Excavation, Transportation and Disposal of hazardous soils	11/22/17	23707	В3		No			Unconditional Waiver	6/26/18	\$100,468.75			\$100,468.75
18	HM Environmental	Excavation, Transportation and Disposal of hazardous and non-hazardous soils, visqueen and stone	12/11/17	23764	В3		No			Unconditional Waiver	6/26/18	\$304,917.39		\$6,641.17	\$298,276.22
19	HM Environmental	Excavation, Transportation and Disposal of hazardous and non-hazardous soils, stone	1/8/18	23877	В3		No			Unconditional Waiver	6/26/18	\$565,719.09		\$17,107.71	\$548,611.38
20	HM Environmental	Excavation, Transportation and Disposal of hazardous soils, wall extension	2/2/18	24010	В3		No			Unconditional Waiver	6/26/18	\$272,195.17		\$45,000.00	\$227,195.17
21	HM Environmental	Excavation, Transportation and Disposal of hazardous soils	2/9/18	24049	В3		No			Unconditional Waiver	6/26/18	\$88,789.36			\$88,789.36
22	HM Environmental	Excavation, Transportation and Disposal of hazardous soils	2/20/18	24079	В3		No			Unconditional Waiver	6/26/18	\$159,160.92		\$23.75	\$159,137.17
23	HM Environmental	Excavation, Transportation and Disposal of hazardous soils, standby charges	2/26/18	24102	В3		No			Unconditional Waiver	6/26/18	\$53,867.35		\$3,500.00	\$50,367.35
25	HM Environmental	Excavation, Transportation and Disposal of hazardous and non-hazardous soils, water removal and disposal, standby charges	3/13/18	24184	В3		No			Unconditional Waiver	6/26/18	\$263,651.21		\$52,425.29	\$211,225.92
26	HM Environmental	Excavation, Transportation and Disposal of hazardous and non-hazardous soils, excavation of hole and moving soils, backfill, regrading	3/21/18	24222	В3		No			Unconditional Waiver	6/26/18	\$80,193.34		\$17,930.63	\$62,262.71
Equipr	ment Decon	1										\$0.00	\$0.00	\$0.00	\$0.00
		(included in items 1, and 16 to 26)													
	ation Sampling	1										\$5,690.00	\$0.00	\$0.00	\$5,690.00
3	PM Environmental	Sampling and Laboratory	6/27/16	77059	B5		Yes	1187	9/6/16			\$5,690.00			\$5,690.00
Excava	ation Oversight, and Sam	npling										\$88,799.74	\$0.00	\$0.00	\$88,799.74

Provided by ASTI Environmental 1.800.395.ASTI Page 1 of 3

Table 1. Reimbursement Request Review
City of Birmingham
Property Located At: 856 North Old Woodward Avenue, Birmingham, MI
Reimbursement Request For: FLS Properties #5, LLC
Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

First Request

Date of Brownfield Plan Approval: Date of Reimbursement Agreement: Date of 381 Work Plan Approval: Date of Reimbursement Request: Modified:

October 27, 2016 November 16, 2016 December 22, 2016 **November 16, 2020; Revised March 8, 2021** 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

First R	equest														
	o Payee	Description of Work	Date of Invoice	Invoice Reference Number	Applicant Reference Number	Invoice Attachment No.	Cancelled Check?	Check No.	Check Date	Signed Affidavit or Waiver of Lien?	Waiver Date	Documentation Provided	Potentially Eligible - Additional Information Needed	Ineligible Amount	Total Amount Recommended For Approval
Total A	Amount Below											\$2,251,946.48	\$760.54	\$310,656.97	\$1,940,528.97
7	PM Environmental	Excavation Oversight, verification sampling, reporting	11/30/17	84128	B6		Yes	1244	12/12/17			\$11,595.61			\$11,595.61
8	PM Environmental	Excavation Oversight, verification sampling, reporting	1/19/18	84715	В6		Yes	1269	3/14/18			\$27,064.95			\$27,064.95
9	PM Environmental	Excavation Oversight, verification sampling, reporting	3/8/18	85166	В6		Yes	1269	3/14/18			\$28,402.73			\$28,402.73
10	PM Environmental	Excavation Oversight, verification sampling, reporting	4/6/18	85575	B6		Yes	1283	5/11/18			\$14,613.33			\$14,613.33
11	PM Environmental	Excavation Oversight, verification sampling, reporting	10/4/18	87608	B6		Yes	1010	10/10/18			\$2,173.12			\$2,173.12
12a	PM Environmental	Excavation Oversight, verification sampling, reporting	12/20/18	88529	B6 or B8		Yes	1028	1/22/19			\$4,950.00			\$4,950.00
Contai	minated Groundwater											\$38,102.50	\$249.70	\$4,075.00	\$33,777.80
15a	The Douglas Co.	Contaminated groundwater discharge			В7	15a-1 to 15a-11	No			Included in waiver for Application #24, as part of line item #53 for Change Order 2R	8/24/20	\$12,485.00	\$249.70		\$12,235.30
24	HM Environmental	Water removal and disposal	3/5/18	24146	В7		No			Unconditional Waiver	6/26/18	\$18,567.50		\$4,075.00	\$14,492.50
	PM Environmental PM Environmental	WWTP Permit Biennial waste report and EQP5150 Form	12/20/18 6/17/20	88529 94157	B7 B7		Yes Yes	1028 1082	1/22/19 6/24/20			\$2,500.00 \$1,250.00			\$2,500.00 \$1,250.00
14	PM Environmental	Management of contaminated groundwater	8/21/20	94762	В7		Yes	1110 and 1127	8/3/20 and 8/26/20			\$3,300.00			\$3,300.00
	Barrier PM Environmental	Work Plan and Meetings	2/23/17	80629	B8		Yes	1194	10/12/16			<b>\$50,000.00</b> \$3,750.00	\$510.84	\$20,708.00	<b>\$28,781.16</b> \$3,750.00
15b	The Douglas Co.	Vapor Barrier			B8	15b-1 to 15b-8	No			Included in waiver for Application #24, as part of line item #53 for Change Order 2R	8/24/20	\$26,560.00	\$510.84	\$1,018.00	\$25,031.16
28	The Douglas Co.	Vent Installation (Withdrawn)			B8		No			Included in waiver for Application #24, as part of line item #54 for Change Order 3R	8/24/20	\$19,690.00		\$19,690.00	\$0.00
	t Management											\$24,982.50	\$0.00	\$20,000.00	\$4,982.50
27a	PM Environmental	Financial Management		95569	B9		Yes	1216	11/13/20			\$1,678.75			\$1,678.75
27b	PM Environmental	Deposit for Proposal #01017723			В9		Yes	1158	9/22/20			\$2,500.00			\$2,500.00

Provided by ASTI Environmental 1.800.395.ASTI Page 2 of 3

Table 1. Reimbursement Request Review
City of Birmingham
Property Located At: 856 North Old Woodward Avenue, Birmingham, MI
Reimbursement Request For: FLS Properties #5, LLC
Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

Date of Brownfield Plan Approval: Date of Reimbursement Agreement: Date of 381 Work Plan Approval: Date of Reimbursement Request:

Modified:

October 27, 2016 November 16, 2016 December 22, 2016 **November 16, 2020; Revised March 8, 2021** 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

First F	Request														
Ref No Payee Total Amount Below		Description of Work	Date of Invoice	Invoice Reference Number	Applicant Reference Number	Invoice Attachment No.	Cancelled Check?	Check No.	Check Date	Signed Affidavit or Waiver of Lien?	Waiver Date	Documentation Provided	Potentially Eligible - Additional Information Needed	Ineligible Amount	Total Amount Recommended For Approval
Total	Amount Below											\$2,251,946.48	\$760.54	\$310,656.97	\$1,940,528.97
29	PM Environmental	Preparing Reimbursement Request	2/25/21	96476	В9		Yes	1312	3/8/21			\$803.75			\$803.75
30	PM Environmental	Deposit/Soil Removal Oversight (Withdrawn)		84128 Assumed			Yes	1223	10/9/17			\$15,000.00		\$15,000.00	\$0.00
31	PM Environmental	Change Order #1/ Proposal #01010337 Withdrawn)		87608 Assumed			Yes	1230	11/3/17			\$5,000.00		\$5,000.00	\$0.00
	field Plan/381 Work Plan											\$11,500.00	\$0.00	\$1,500.00	\$10,000.00
4	PM Environmental	Brownfield Plan/381 Work Plan Preparation	10/28/16	78957	C1		Yes	1198	11/4/16			\$10,000.00			\$10,000.00
5	PM Environmental	Brownfield Plan/381 Work Plan Preparation (Withdrawn)	1/4/17	79807	C1		Yes	1117	1/11/17			\$1,500.00		\$1,500.00	\$0.00
Intere															
Conti	ngency (Not Included)											•			

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#### Table 2. Project Cost Summary

City of Birmingham Property Located At: 856 North Old Woodward Avenue, Birmingham, MI

Reimbursement Request For: FLS Properties #5, LLC

Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

First Request

Date of Brownfield Plan Approval: Date of Reimbursement Agreement: Date of 381 Work Plan Approval: Date of Reimbursement Request:

October 27, 2016 November 16, 2016 December 22, 2016

Modified:

November 16, 2020; Revised March 8, 2021 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

		Plan App	rovals	Requested Re	imbursement					
Total Eli	gible Activities	Brownfield Plan	381 Work Plan	Local and State Tax Capture	Local Tax Capture Only	Total Amount in Submittal	Recommended for Approval	Additional Information Required	Ineligible	Remaining Balance Based on Recommended for Approval
1	Baseline Environmental Assessments	\$14,155	\$14,155	\$14,015.00		\$14,015.00	\$14,015.00	\$0.00	\$0.00	\$140.00
2	Soil Excavation as Haz Waste	\$270,547	\$270,547			\$674,481.55	\$625,957.80	\$0.00	\$48,523.75	-\$355,410.80
3	Soil Transportation and Disposal	\$1,572,288	\$1,572,288	\$1,733,998.01		\$1,344,375.19	\$1,128,524.97	\$0.00	\$215,850.22	\$443,763.03
4	Equipment Decon	\$7,500	\$7,500	\$15,800.00		\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00
5	Delineation Sampling	\$21,945	\$21,945	\$5,690.00		\$5,690.00	\$5,690.00	\$0.00	\$0.00	\$16,255.00
6	Excavation Oversight, and Sampling	\$28,475	\$28,475	\$88,799.74		\$88,799.74	\$88,799.74	\$0.00	\$0.00	-\$60,324.74
7	Contaminated Groundwater	\$49,260	\$49,260	\$38,462.55		\$38,102.50	\$33,777.80	\$249.70	\$4,075.00	\$15,482.20
8	Vapor Barrier	\$172,500	\$172,500	\$28,781.16		\$50,000.00	\$28,781.16	\$510.84	\$20,708.00	\$143,718.84
9	Project Management	\$3,000	\$3,000	\$4,982.50		\$24,982.50	\$4,982.50	\$0.00	\$20,000.00	-\$1,982.50
10	Post Construction Due Care Plan	\$5,000	\$5,000			\$0.00	\$0.00	\$0.00	\$0.00	\$5,000.00
11	Brownfield Plan/381 Work Plan	\$9,000	\$9,000	\$10,000.00		\$11,500.00	\$10,000.00	\$0.00	\$1,500.00	-\$1,000.00
12	Reduction Per Agreement	-\$325,000	-\$325,000			\$0.00	\$0.00	\$0.00	\$0.00	-\$325,000.00
	Contingency	\$319,577	\$319,577			\$0.00	\$0.00	\$0.00	\$0.00	\$319,577.00
26	Unknown (NOS)					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Elig	gible Activities	\$2,148,247	\$2,148,247	\$1,940,528.96	\$0.00	\$2,251,946.48	\$1,940,528.97	\$760.54	\$310,656.97	\$207,718.03

Provided by ASTI Environmental 1.800.395.ASTI Page 1 of 1

#### Table 3. Details for HM Environmental Transaction Journal

City of Birmingham

Property Located At: 856 North Old Woodward Avenue, Birmingham, MI

Reimbursement Request For: FLS Properties #5, LLC

Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

First Request

Date of Brownfield Plan Approval:

Date of Reimbursement Request:

October 27, 2016

Date of Reimbursement Agreement: November 16, 2016 Date of 381 Work Plan Approval:

December 22, 2016

November 16, 2020; Revised March 8, 2021 12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

. not noquo									Alloca	tion to Requested Am	ount	
Invoice											Non Haz Soils	
Number	Memo	Invoice Amount	Eligible	Ineligible	Not Requested	Total	Line No.	Visqueen	Haz Soils	Non Haz Soils	Eligible	Groundwater
23684	Progress Billing 10/31/17 Through 11/16/17	<b>#20,000,00</b>			<b>#20,000,00</b>	£20,000,00	16					
	Operator & Laborer to balance the site for work to be performed by Hardman Construction  Visqueen Rolls (3 mill)	\$20,000.00 \$1,500.00			\$20,000.00 \$1,500.00	\$20,000.00 \$1,500.00						
	20	\$2,100.13			\$2,100.13	\$2,100.13						
	Stone - 1A3 Crushed Concrete 80.93 Stone - 21AA Crushed Concrete 54.56	\$1,263.06			\$1,263.06	\$1,263.06						
	Construction 4.30	\$61,127.31			\$61,127.31	\$61,127.31	'					
	Total	\$85,990.50	\$0.00	\$0.00		\$85,990.50	<u>-</u>					
23707	1/27/17 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	\$100,468.75	\$100,468.75			\$100,468.75	_		\$100,468.75			
		\$100,468.75	\$100,468.75	\$0.00	\$0.00	\$100,468.75						
23764	11/28 Through 12/08 Excavate, Transport and Disposal of Hazardous sons to Wayne	\$260,234.96	\$260,234.96			\$260,234.96	18		\$260,234.96			
20.0.	1.1/28 Through 12/08 Excavate, Transport and Disposal of Non Haz Solis to Advanced	\$43,801.46	\$37,801.26	\$6,000.20		\$43,801.46			Ψ200,2000	\$43,801.46	\$37,801.26	
	Visqueen (1) Roll (10 mill)	\$240.00	\$240.00	**,***		\$240.00		\$240.00		<b>*</b> ,	¥01,0011=0	
	Stone - 1X3 Crushed Concrete	\$640.97	,		\$640.97	\$640.97		•				
	Total	\$304,917.39	\$298,276.22	\$6,000.20	\$640.97	\$304,917.39	<u> </u>					
00077	December 19:00 of 40:00/47 Through 40:00/47						40					
23877	Progress Billing 12/09/17 Through 12/29/17	\$400 E00 4E	<b>0.400.500.45</b>			¢420 500 45	19		£430 E00 4E			
	12/09 Through 12/29 Excavate, Transport and Disposal of Hazardous Soils to Wayne	\$439,500.15 \$498.75	\$439,500.15		¢400.75	\$439,500.15			\$439,500.15			
	Demurrage at Wayne Disposal 1.1/29/17 Through 12/08/17 (Not Previously Billed) Demurrage at Wayne Disposal 12/08/17 Through 12/29/17	\$498.75 \$4,085.00			\$498.75 \$4,085.00	\$498.75 \$4,085.00						
	12/09 Through 12/29 Excavate, Transport and Disposal of Non Haz Soils to Advanced	\$117,253.33	\$101,191.23	\$16,062.10		\$4,065.00 \$117,253.33				\$117,253.33	\$101,191.23	
	Stone -1X3 Crushed Concrete	\$1,417.65	\$101,191.23	\$10,002.10	\$1,417.65	\$1,417.65				\$117,200.00	\$101,191.23	
	Truck Liners - Hazardous Loads Only	\$7,920.00	\$7,920.00		ψ1,417.00	\$7,920.00		\$7,920.00				
	Credit due from Previous Inv. (1.5 Discount for Early Payment on Inv. # 23764)	-\$4,955.79	Ψ1,320.00		-\$4,955.79	-\$4,955.79		ψ1,320.00				
	Total	\$565,719.09	\$ 548,611.38	\$ 16,062.10		\$ 565,719.09	_					
		, ,	,,-	, -,	, ,	, ,						
24010	Progress Billing12/30/17 Through 02/02/18						20					
	0:1/02/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	\$23,001.72	\$23,001.72			\$23,001.72			\$23,001.72			
	Northeast & Southwest Wall Extensions	\$45,000.00			\$45,000.00	\$45,000.00						
	0:1/30/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$46,337.80	\$46,337.80			\$46,337.80			\$46,337.80			
	0:1/3:1/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$48,667.06	\$48,667.06			\$48,667.06			\$48,667.06			
	02/0:1/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$52,277.51	\$52,277.51			\$52,277.51			\$52,277.51			
	02/02/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$54,671.08	\$54,671.08			\$54,671.08		00.040.00	\$54,671.08			
	Truck Liners - Hazardous Loads Only	\$2,240.00	\$2,240.00	¢ 0 00	₾ 4E 000 00	\$2,240.00	_	\$2,240.00				
	Total	\$272,195.17	\$ 227,195.17	\$ 0.00	\$ 45,000.00	\$ 272,195.17						
24049	Progress <b>Billing</b> 02/03/18 Through 02/09/18						21					
	02/05/1.8 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$25,977.20	\$25,977.20			\$25,977.20	1		\$25,977.20			
	02/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$25,388.86	\$25,388.86			\$25,388.86	i		\$25,388.86			
	02/07/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$16,230.93	\$16,230.93			\$16,230.93	i		\$16,230.93			
	02/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$20,312.37	\$20,312.37			\$20,312.37			\$20,312.37			
	Truck Liners - Hazardous Loads Only	\$880.00	\$880.00			\$880.00		\$880.00				
	Total	\$88,789.36	\$88,789.36	\$0.00	\$0.00	\$88,789.36	i					
24079	02/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$26,354.96	\$26,354.96			\$26,354.96	22		\$26,354.96			
	02/13/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$30,404.26	\$30,404.26			\$30,404.26			\$30,404.26			
	02/14/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$38,334.05	\$38,334.05			\$38,334.05	i		\$38,334.05			
	Demurrage at Disposal - Truck # 109 (3rd Load)	\$23.75			\$23.75	\$23.75						
	02./:1.5/:I.8 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$27,353.22	\$27,353.22			\$27,353.22			\$27,353.22			
	02/16/1.8 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$35,210.68	\$35,210.68			\$35,210.68			\$35,210.68			
	Truck Liners - Hazardous Loads Only	\$1,480.00	\$1,480.00			\$1,480.00		\$1,480.00				
	Total	\$159,160.92	\$ 159,137.17	\$ 0.00	\$ 23.75	\$ 159,160.92						
21402	02/19/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$36,131.78	\$36,131.78			\$36,131.78			\$36,131.78			
	02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$13,795.57	\$13,795.57			\$13,795.57			\$13,795.57			

Provided by ASTI Environmental 1.800.395.ASTI Page 1 of 3

#### Table 3. Details for HM Environmental Transaction Journal

City of Birmingham

Property Located At: 856 North Old Woodward Avenue, Birmingham, MI

Reimbursement Request For: FLS Properties #5, LLC

Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

First Request

Date of Brownfield Plan Approval:

October 27, 2016

Date of Reimbursement Agreement: Novel
Date of 381 Work Plan Approval: Decei

November 16, 2016 December 22, 2016

Date of Reimbursement Request: November 16, 2020; Revised March 8, 2021

12/16/20, 12/23/20, 1/22/21, 2/8/21, 3/11/21

									Alloca	ation to Requested Am		
Invoice	W- · · ·	Investor Access of	Elimini.	In a Badt 1	Not Dominion	Tatal	Lina Ni	\	// C "	M 11- 0 "	Non Haz Soils	0
Number	Memo	Invoice Amount	Eligible	Ineligible	Not Requested	Total	Line No.	Visqueen	Haz Soils	Non Haz Soils	Eligible	Groundwater
	02/20/18 Stand By Rate 1/2 Day (Weather Related)	\$500.00			\$500.00	\$500.00						
	02/21/18 Stand By Rate (Weather Related)	\$1,000.00			\$1,000.00	\$1,000.00						
	02/22/18 Stand By Rate (Weather Related)	\$1,000.00			\$1,000.00	\$1,000.00						
	02/23/18 Stand By Rate (Weather Related)	\$1,000.00	0.110.00		\$1,000.00	\$1,000.00		<b>*</b> 4 4 0 0 0				
	Truck Liners - Hazardous Loads Only	\$440.00	\$440.00		******	\$440.00		\$440.00				
	Total	\$53,867.35	\$50,367.35	\$0.00	\$3,500.00	\$53,867.35						
24146	02/27/18 Delivery and Placement of Stone for Well and Pad	\$1,650.00			\$1,650.00	\$1,650.00	24					
	Excavation and Placement of Well	\$1,425.00			\$1,425.00	\$1,425.00						
	02/28/18 Site Supervisor - Load Trucks with Groundwater	\$750.00	\$750.00			\$750.00						\$750.00
	Additional Flagger for Truck Traffic	\$500.00			\$500.00	\$500.00						
	Daily Pump Rental	\$450.00	\$450.00		*****	\$450.00						\$450.00
	Bulk Tanker w/Operator - Transport Groundwater to Disposal	\$1,610.00	\$1,610.00			\$1,610.00						\$1,610.00
	Disposal of Non Regulated Ground Water to DART - Manifest #'s 018587690JJK,	ψ1,010.00	Ψ1,010.00			\$0.00						ψ1,010.00
	018587691.JJK	\$7,262.50	\$7,262.50			\$7,262.50						\$7,262.50
	03/0:1,/18 Supervisor Checking Excavation On Site - NO CHARGE	ψ1,202.30	Ψ1,202.50			\$0.00						Ψ1,202.50
	03/02/18 Site Supervisor - Load Trucks with Groundwater	\$750.00	\$750.00			\$750.00						\$750.00
	Additional Flagger for Truck Traffic	\$500.00 \$500.00	\$750.00		\$500.00	\$500.00						\$750.00
	•		<b>\$450.00</b>		φ300.00							¢450.00
	Dally Pump Rental	\$450.00	\$450.00			\$450.00						\$450.00
	Bulk Tanker w/Operator - Transport Groundwater to Disposal	\$770.00	\$770.00			\$770.00						\$770.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587692JJK	\$2,450.00	\$2,450.00			\$2,450.00						\$2,450.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587692JJK	\$18,567.50	\$14,492.50	\$0.00	\$4,075.00	\$18,567.50						
	Total											
24184	03/05/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$33,775.18	\$33,775.18			\$33,775.18	25		\$33,775.18	3		
	Bulk Tanker w/Operator - Transport Groundwater to Disposal	\$700.00	\$700.00			\$700.00						\$700.00
	Disposal of Non Regulated Ground Water to <b>DART</b> - Manifest # 018587704 JJK	\$1,604.75	\$1,604.75			\$1,604.75						\$1,604.75
	03/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$33,267.21	\$33,267.21			\$33,267.21			\$33,267.2			* ,
	03/07/18 Stand By Rate (Meeting with Hardman to discuss finishing Harz. Soil Removal)	\$1,000.00	****,=** := :		\$1,000.00	\$1,000.00			<b>****</b> ,=***=			
	03/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$68,947.28	\$18,493.74		\$50,453.54	\$68,947.28			\$18,493.74	1		
	03/09/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$28,687.45	\$28,687.45		φου, του.υ τ	\$28,687.45			\$28,687.45			
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$32,913.56	\$32,913.56			\$32,913.56			\$32,913.56			
	Demurrage On Site - Truck # 1.29	\$50.00	ψ32,313.30		\$50.00	\$50.00			Ψ02,010.00	,		
	Demurrage at Disposal - Truck # 1.29	\$50.00 \$50.00			\$50.00 \$50.00	\$50.00						
	Demurrage at Disposal - Truck # 1.29  Demurrage at Disposal - Truck # 1.09	\$100.00			\$100.00	\$100.00						
	Bulk Tanker w/Operator - Transport Groundwater to Disposal	\$770.00	\$770.00		φ100.00	\$770.00						\$770.00
	·											
	Disposal of Non Regulated Ground Water to DART - Manifest# 018587705 JJK	\$1,610.00	\$1,610.00			\$1,610.00			#00 00 <del>7</del> 0	-		\$1,610.00
	03/1.2/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$38,637.87	\$38,637.87			\$38,637.87			\$38,637.87			
	03/1.3/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$13,744.13	\$13,744.13			\$13,744.13			\$13,744.13			
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$5,633.78	\$4,862.03	\$771.75		\$5,633.78				\$5,633.78	\$4,862.03	
	Truck Liners - Hazardous Loads Only	\$2,160.00	\$2,160.00	\$771.75	¢E1 6E2 E1	\$2,160.00		\$2,160.00				
	Total	\$263,651.21	\$211,225.92	\$771.75	\$51,653.54	\$263,651.21						
24222	Progress Billing 03/14/18 Through 03/20/18						26					
	03/14/18 Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$5,856.43	\$5,054.18	\$802.25		\$5,856.43				\$5,856.43	\$5,054.18	
	03/15/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$18,534.48	\$18,534.48			\$18,534.48			\$18,534.48	3		
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$4,127.42	\$3,562.02	\$565.40		\$4,127.42				\$4,127.42	\$3,562.02	
	03/16/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$19,058.52	\$19,058.52			\$19,058.52			\$19,058.52	<u>)</u>		
	Excavate, Transport and Disposal of Non Hazardous Soll to Advanced Disposal	\$2,030.13	\$1,752.03	\$278.10		\$2,030.13				\$2,030.13	\$1,752.03	
	03/19/18 Stockpile and Load out Soll on West Wall for Hardman	\$2,500.00	•	•	\$2,500.00	\$2,500.00				•	•	
	(2)55 Gallons Drums - Protect two Pyle Caps	\$112.00			\$112.00	\$112.00						
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$4,259.88	\$4,259.88		*	\$4,259.88			\$4,259.88	3		
	Backfill - 21AA Crushed Concrete (8 Loads)	\$5,218.01	,		\$5,218.01	\$5,218.01			, .,			
	Corner of Job Site per Hardman	\$2,500.00			\$2,500.00	\$2,500.00						
	Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	\$9,601.60	\$9,601.60		Ψ=,000.00	\$9,601.60			\$9,601.60	)		
	Demurrage at Disposal - Truck # 1!!4	\$25.00	ψυ,σοι.σσ		\$25.00	\$25.00			ψυ,ου ι.οι	•		
	Domanago at Dioposai - Hust II Har	Ψ20.00			Ψ20.00	Ψ20.00						
	Demurrage at Disposal - Truck # 127	\$25.00			\$25.00	\$25.00						

Provided by ASTI Environmental 1.800.395.ASTI

#### Table 3. Details for HM Environmental Transaction Journal

City of Birmingham

Property Located At: 856 North Old Woodward Avenue, Birmingham, MI

Reimbursement Request For: FLS Properties #5, LLC

Reimbursement Requested By: Elizabeth Masserang, PM Environmental (PME)

Date of Review: March 25, 2021

First Request

Date of Brownfield Plan Approval:

October 27, 2016

Allocation to Requested Amount

Date of Reimbursement Agreement: Novel Date of 381 Work Plan Approval: Deco

November 16, 2016 December 22, 2016

Date of Reimbursement Request:

November 16, 2020; Revised March 8, 2021

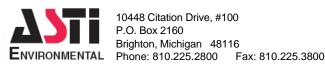
12/16/20, 12/23/20, 1/2	2/21, 2/8/21, 3/11/21	

Invoice							-			•	Non Haz Soils	
Number	Memo	Invoice Amount	Eligible	Ineligible	Not Requested	Total	Line No.	Visqueen	Haz Soils	Non Haz Soils	Eligible	Groundwater
	Backfill - 21AA Crushed Concrete (8 Loads)	\$5,904.87			\$5,904.87	\$5,904.87						
	Truck Liners - Hazardous Loads Only	\$440.00	\$440.00			\$440.00		\$440.00				
	Total	\$80,193.34	\$62,262.71	\$1,645.75	\$16,284.88	\$80,193.34						
24261	03/2:1,/18 Excavate Hole to Elevation and move Stockpile from South East Corner for	\$2,500.00			\$2,500.00	\$2,500.00	1					
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$4,236.56	\$3,656.21	\$580.35		\$4,236.56				\$4,236.56	\$3,656.21	
	Backfill - 21AA Crushed Concrete (6 Loads)	\$4,461.47			\$4,461.47	\$4,461.47						
	03/22/18 Stockpile Soil for Hardman & Clean up Soil Piles from Drilling	\$2,500.00			\$2,500.00	\$2,500.00						
	03/23/18 Stockpile Soil for Hardman & Clean up Soil Piles from Drilling	\$2,500.00			\$2,500.00	\$2,500.00						
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$3,167.47	\$2,733.57	\$433.90		\$3,167.47				\$3,167.47	\$2,733.57	
	03/26/18 Stockpile for Ramp, Re-grade Northeast Side of Excavation	\$2,500.00			\$2,500.00	\$2,500.00						
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	\$2,038.16	\$1,758.96	\$279.20		\$2,038.16				\$2,038.16	\$1,758.96	
	03/27/18 Through 03/29/18 Assist Hardman Onsite	\$7,500.00			\$7,500.00	\$7,500.00						
	03/30/18 Assist Hardman Onsite	\$1,250.00			\$1,250.00	\$1,250.00						
	03/3:1,/18 Through 04/05/18 Assist Hardman Onsite	\$10,000.00			\$10,000.00	\$10,000.00						
	04/06/18 Finish Onsite Work and Load Equipment	\$1,250.00			\$1,250.00	\$1,250.00						
	Total	\$43,903.66	\$ 8,148.74	\$ 1,293.45	\$ 34,461.47	\$ 43,903.66						
Total		\$ 2,037,424.24	\$ 1,768,975.27	\$ 25,773.25	\$ 242,675.72	\$ 2,037,424.24	•	\$ 15,800.00	\$ 1,571,626.53	\$ 188,144.74	\$ 162,371.49	\$ 19,177.25
	Appendix B Reference	1						B4	B2		В3	B7

Provided by ASTI Environmental 1.800.395.ASTI

Attachment A List of Documents Reviewed Attachment to Memo Dated March 22, 2021

- 1. Letter request for reimbursement titled Tax Increment Financing Reimbursement Request for the Pearl Development Location at 856 North Old Woodward Avenue, Michigan 48009; Request 01 and dated November 16, 2020 to Ms. Jana Ecker, Director of Planning, City of Birmingham from Elizabeth Masserang, PM Environmental, with the following attachments:
  - a. Signed certification from Frank Simon for FLS Properties #5, LLC
  - b. Signed Exhibit C from the Agreement dated November 16, 2020
  - c. Description of Eligible Activities Conducted
  - d. Brownfield Reimbursement Request Table 1: 856 North Old Woodward Ave, Birmingham – eligible Activities Cost Estimates (incl. School Tax Capture)
  - e. Attachment C: Eligible Expenses Documentation
- 2. Brownfield Reimbursement Agreement, dated October 27, 2016 and signed November 16, 2016 (the Agreement)
- 3. Act 381 Work Plan to Conduct Eligible DEQ Response and/or MSF Non-Environmental Activities, Mixed Use Development, 856 North Old Woodward Avenue, Oakland County, Birmingham, Michigan dated October 28, 2016 (Act 381 Work Plan)
- 4. Brownfield Plan, Mixed Use Development, Located at 856 North Old Woodward Avenue, Birmingham, Michigan dated July 26, 2016, Revised November 3, 2016 (the Plan)
- 5. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated December 16, 2020 in response to a December 3 email request for clarification and additional information. Including the following attachments:
  - a. Copies of PM Environmental Cancelled Checks
  - b. HM invoices for transaction journal 12
  - c. HM Pay Application #11 confirming invoice 24261
  - d. Douglas Pay Applications 4 to 6
  - e. Updated Appendix B Eligible Activity Table
- 6. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated December 23, 2020 in response of a December 21 email request for clarification and additional information. Including the following attachments:
  - a. Updated Appendix B Eligible Activity Table
- 7. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated January 22, 2021 in response to a January 11 email request for clarification and additional information. Including the following attachments:
  - a. Revised Dixon quote for vapor mitigation
  - b. Future Environmental worksheets
  - c. Parker-Arntz quote for vapor system materials and labor
- 8. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated February 8, 2021 in response to a January 26 email request for clarification and additional information. Including the following attachments:
  - a. Proposed Change Order Request #2 from Dixon for vapor barrier and venting
  - b. Future Environmental invoices
  - c. Dixon Applications for Payment and checks
  - d. AIA Payment Application #24, Change Orders #002R and #003R, and Douglas Company Partial Conditional Waiver
  - e. Updated Appendix B Eligible Activity Table



- 9. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated March 11, 2021 in response of a February 22 email request for clarification and additional information. Including the following attachments:
  - a. Modified Request for Reimbursement titled "Reimbursement Request 01 The Pearl RV 3.8.21"
- 10. Email titled RE: Request for Reimbursement for the Pearl from Elizabeth Masserang dated March 19, 2021 in response to a March 19 email request for clarification and additional information. Including the following attachments:
  - a. Modified Request for Reimbursement titled "Reimbursement Request 01\_The Pearl\_RV 3.19.21"
  - b. HM Pay Application #11 confirming invoice 24261
  - c. Dixon Applications for Payment and checks
  - d. Future Environmental invoices

### Attachment B Annotated Copy of the Request Attachment to Memo Dated March 22, 2021



Corporate Headquarters Lansing, Michigan 3340 Ranger Road, Lansing, MI 48906

£ 877.884.6775 £ 517.321.3331 Michigan Locations
Berkley Bay C
Grand Rapids Ches
Lansing

Bay City Chesterfield

Revised March 8, 2021 November 16, 2020

Ms. Jana Ecker
Director of Planning, City of Birmingham
Birmingham Redevelopment Authority
151 Martin Street
Birmingham, Michigan 48009

RE: Tax Increment Financing Reimbursement Request for the Pearl Development Located at 856 North Old Woodward Avenue, Michigan 48009; Request 01

Ms. Ecker:

Enclosed is Tax Increment Financing (TIF) Reimbursement Request 01 for the Property located at 856 North Old Woodward Avenue, Michigan.

This request is being submitted on behalf of FLS Properties #5, LLC ("Developer"). The terms for reimbursement of eligible brownfield costs were set forth in the Brownfield Reimbursement Agreement executed by the City of Birmingham's Brownfield Redevelopment Authority (BRA) and FLS Properties #5, LLC on October 27, 2016.

Enclosed is a description of each individual Eligible Activity, the associated costs of each activity, and documentation of the costs incurred including proof of payment and detailed invoices.

To the extent that this submission is approved, the BRA shall cause Developer to be paid the amounts approved as determined eligible under the Brownfield Plan and documented in the reimbursement request.

The total not to exceed cost for Eligible Activities approved in the Brownfield Plan is \$2,656,610.00. This total included an estimated \$508,364 in 3% simple interest which will be calculated based on the actual reimbursement schedule. Therefore, less interest, the total not to exceed is \$2,148,247.00.

The total amount of Eligible Activity reimbursement under this request, Request 01, is \$1,940,528.97 resulting in a remaining balance of \$207,718.03 for future reimbursement requests.

If you have any questions related to this request, please do not hesitate to contact our office at (248) 336-9988 or email at <a href="masserang@pmenv.com">masserang@pmenv.com</a>.

Sincerely,

PM ENVIRONMENTAL, INC.

Elizabeth Masserang

Regional Manager - Brownfield & Economic

Manuana

Incentives

I certify that the information submitted on and with this Request for Reimbursement is accurate and is an eligible cost described in the Brownfield Plan for this project approved by the City Commission of Birmingham.

Name:

Frank Simon

FLS Properties #5, LLC

Signature:

Date:

3/8/2021

Title:

Owner

Address:

2950 Walnut Lake Road

W. Bloomfield, MI 48323

PM Environmental, Inc. Page 2

#### Exhibit C

Brownfield Request for Cost Reimbursement For Eligible Activities

Date:	3/8/2021	

Listed below are total costs expended for each eligible activity category for the expenses being submitted with this request. Attached is evidence of each cost item, including proof of payment and detailed invoices.

Eligi	ble Activity Category	Total Cost
1.	Phase I/Phase II/BEA	\$14,015
2.	Due Care Activities	\$1,916,513.97
3.	Additional Response Activities	\$0
4.	Brownfield Plan preparation	\$10,000
5.	Interest	3% on actual unreimpursed costs
	Total Cost Reimbursement Request	\$1,940,528.97 plus interest

I certify that the information submitted on and with this Request for Cost Reimbursement is accurate and is an eligible cost described in the Brownfield Plan for this project approved by the City Council of the City of Birmingham.

Developer: FLS Properties #5, LLC

Signature:

Title:

Owner

Address:

2950 Walnut Lake Road

W. Bloomfield, MI 48323

## Appendix A



#### **Description of Eligible Activities Conducted**

The Eligible Activities (as defined by Section 2 of Public Act 381, as amended) that were completed as permitted under the Brownfield Redevelopment Financing Act and included in the approved Brownfield Plan are further described below and in Appendix A:

#### Baseline Environmental Site Assessment Activities

Baseline Environmental Site Assessment activities approved under the Brownfield Plan included a Phase I Environmental Site Assessment (ESA), Phase II ESA, Baseline Environmental Assessment (BEA), and Documentation of Due Care Compliance (DDCC) totaling \$14,155.00.

Baseline Environmental Site Assessment activities within this request included a Phase II ESA and BEA.

Costs are tabulated within Appendix B for a total cost of \$14,015.00 and associated invoice are provided in Appendix C.

#### **Due Care Activities**

PM Environmental, Inc. (PM) conducted delineation and sampling of existing Tetrachloroethylene soil concentrations in May/June 2016, prior to the excavation to better define the horizonal extent of chlorinated solvent impacts in soils and groundwater. A total of \$5,690.00 is being requested in relation to this work of the \$21,945.00 that was budgeted.

HM Environmental Services Inc. (HM) completed the removal, transport and disposal of 15,245.35 tons of contaminated soils, which more specifically included 10,090.70 tons of hazardous waste soils and 5,154.65 tons of non-hazardous waste soils. The removal was associated with the required site grading and spoils related to the installation of the new building foundations and utilities.

Contaminated soil transportation and disposal cost estimates received at the time of Brownfield Plan development was for up to 20,095 tons and were described as follows:

- "A portion of contaminated soils (approximately 6,705 of the identified 20,095 tons), located along the northern property boundary are anticipated to require disposal as a listed hazardous waste, estimated for a cost differential of \$40.35/ton.
- Transport of 20,095 tons of contaminated soil cost is estimated at \$412,553. This estimate includes both; Transport of up to 13,390 tons of soil to a Type II Landfill at \$7/ton totaling \$93,730; and Transport of up to 6,705 tons of hazardous material at \$47.55/ton totaling \$318,823.
- Disposal of 20,095 tons of contaminated soil cost is estimated at \$1,159,735. This estimate includes both; Disposal of up to 13,390 tons of soil to a Type II Landfill at \$11.50/ton totaling \$153,985 and; Disposal of up to 6,705 tons of hazardous material at \$150/ton totaling \$1,005,750."

The actual volumes and soils incurred was as follows:

- A total of 10,090.70 tons of hazardous soils were excavated at a cost of \$10/ton which would be \$5/ton more than if the soils were non-hazardous. At a rate of \$5/ton, a total of \$50,453.50 is being requested for this line item.
- A total of 10,090.70 tons of hazardous soils were transported and disposed of at a cost of \$150.75/ton, split between transportation at \$23/ton and disposal at \$127.75/ton. At a rate of \$150.75/ton, a total of \$1,521,173.03 is being requested for this line item.
- A total of 5,154.65 tons of non-hazardous soils were transported and disposed of at a cost of \$31.50/ton, split between transportation at \$16/ton and disposal at \$15.50/ton. At a rate of \$31.50/ton, a total of \$162,371.48 is being requested for this line item.

In summary a total of \$1,733,998.02 is being requested for reimbursement, related to the excavation of hazardous soils and the transport and disposal of both hazardous and non-hazardous soils. This is documented in Appendix C.

During the transport and disposal of hazardous soils, to prevent migration of contamination offsite, trucks were lined with Visqueen, a polyethylene plastic sheeting liner. A total of \$15,800.00 was incurred for this.

Contaminated groundwater disposal cost estimates received at the time of Brownfield Plan development was for 30,000 gallons at \$1.40/gal. A total of 36,935.00 gallons of contaminated groundwater was disposed and a cost of \$19,177.25 under contract with HM Environmental. Additionally, Future Environmental, a subcontractor to The Douglas Company conducted discharge of contaminated water at a cost of \$12,485 under Change Order #02 of which 98% (\$12,235.30) is being requested based on proof of payment documentation to date. An additional \$7,050.00 was incurred with the related permitting and reporting. The related detail is included in Appendix C.

PM completed assessment, oversight and verification of soil removal. Soil removal to support construction activities was completed between November 2017 and March 2018 in compliance with applicable regulations for handling and disposal.

Assessment, oversight, verification sampling and reporting cost estimates scoped at the time of Brownfield Plan development was for \$28,475 for known site conditions. Actual costs for these services amounted to \$88,799.74. Due to the nature of the site especially with the increased amount of hazardous soils to be assessed, observed, sampled and reported, more samples and time was needed than originally estimated, explaining the higher cost incurred and provided in the request.

Since the soil removal activities were not planned to remove all contaminants of concern, a chemically resistant vapor barrier and passive ventilation system was installed along the northern sub-grade wall of the parking area and under enclosure portions of the lowest floor of the building.

The presumptive vapor intrusion concerns were mitigated by installing a vapor barrier and passive venting system in accordance with vapor barrier manufacturer's recommendations. Therefore, no additional investigation was required to further assess the vapor intrusion pathway. AKT Peerless conducted a vapor barrier inspection in June 2019, under Douglas's contract which confirmed that the vapor barrier and passive venting system was installed in accordance with the design

specifications, manufacturer requirements, and passed smoke testing conducted by the installer conducted to verify that the vapor barrier membrane system was leak free at the time it was installed. The Douglas Company oversaw this work under Change Order 02 and 03 of their contract. Costs of \$25,542.00 was incurred related to the vapor barrier and vapor barrier installation of which 98% (\$25,031.16) is being requested based on proof of payment documentation to date. The associated change orders are provided in Appendix C.

A cost of \$3,750.00 was incurred related to vapor barrier specifications and \$4,982.50 was incurred as it relates to the coordination of proper and compliant financial tracking and reporting, as required in relation to due care, additional response, and brownfield related activities being submitted for reimbursement.

These activities are eligible as they are defined by Act 381 as eligible activities and listed in the approved Brownfield Plan within the description of costs to be paid for with TIR. The Brownfield Plan approved a cost of \$2,130,515 for these activities. Costs are tabulated within Appendix C for a total cost of \$1,916,513.97 and associated documentation is provided.

#### **Brownfield Plan Preparation**

Brownfield Plan and Act 381 Work Plan Preparation were approved under the Brownfield Plan totaling \$9,000.00. Preparation of the Brownfield Plan and Act 381 Work Plan included meetings/consultations, report preparation, and associated correspondence and management activities.

Costs are tabulated within Appendix B for a total cost of \$10,000.00 for Request 01. A Change Order was issued for this item in association with additional documentation and meetings at the request of the Birmingham Brownfield Redevelopment Authority (BBRA). The associated invoice is provided in Appendix C.

## Appendix B



Appendix B
Brownfield Rembursement Request
856 North Old Woodward Avenue, Birmingham, MI
PM Project: 01-05889-0-0010
As of March 8, 2021
ASTI Table 1 Line No.

L	Table 1: 856 North Old Woodward Ave, Birmingham - Eligible Activities Cost Estimates (incl. School Tax Capti	cl. School Tax Captu	rre)					
	ltem/Activity	Total Approved	Actual Cost	Balance	Invoice Number	Line Item	Contractor	Notes/Description
	Baseline Environmental Assessments							
Α1	Phase I ESA, Phase II ESA, BEA, DDCC	\$ 14,155	\$ 2 14,015.00	\$ 140.00	73902		PM Environmental	Phase II ESA/BEA
	Baseline Environmental Assessments Total	\$ 14,155	\$ 14,015.00	\$ 140.00				
	Due Care Activities							
B1		\$ 270,547						10,900.70 tons excavated, transported and disposed of at \$155.75/ton
B2	Transportation and Disposal of Hazardous Soils		\$ 1,571,626.55	\$ 23,492.95	Pav App 11	3,4	HM Environmental	
	Transport of hazardous material Disposal of hazardous material	\$ 1,324,573						
B3	Disposal of contaminated soils			See Table 3				5,154.65 tons transport and disposal at \$31.50/ton
	Transport of soil to a Type II Landfill	\$ 247,715	\$ 162,371.48	\$ 85,343.53	Pay App 11	2	HM Environmental	
B4	n Wastewater Handling	\$ 7,500	\$ 15,800.00	(8,300.00)	Pay App 11	2,6	HM Environmental	Visqueen truck liners
B5	Additional delienation and sampling of Tetrachloroethylene soil concentrations	\$ 21,945	\$ 3 5,690.00	\$ 16,255.00	77059		PM Environmental	Delineation prior to excavation
B6	Associated excavation oversight, excavation verification sampling, and reporting		\$ 7 11,595.61		84128		PM Environmental	11/30/17 Oversight covering 10/1/17 to 11/17/17
			\$ 27,064.95		84715		PM Environmental	01/19/18 Oversight covering 10/01/17 to 11/17/17
		\$ 28.475	\$ 9 28,402.73	\$ (60.324.74)	85166		PM Environmental	03/08/18 Oversight covering 01/02/18 to 03/02/18
			\$ 10 14,613.33		85575	,	PM Environmental	04/06/18 Oversight covering 03/02/18 to 3/30/2018
			\$ 122 4 950 00		87608		PM Environmental	10/04/18 Oversight Services 4/2018 to 9/28/18 Change order for testing
B7	Management and disposal of up to 30 000 gallons of contaminated groundwater							
i			\$ 19.177.25	See Table 3	Pav App 11	12, 13,15,16	HM Environmental	Daily Pump Rental. Site Supervisor. Bulk Tanker. Disposal
			\$ 159		Pay App 24, CO-2	2	The Douglas Co.	Water discharge (sub contractor was Future Environmental)
		\$ 49,260	\$ 12b	\$ 10,797.45	88529		PM Environmental	Wastewater Dischage Permit
			\$ 13 1,250.00		94157		PM Environmental	Wastewater Required Reporting to EPA
88	Installation of a vapor barrier				201102		IN CHAINGINGING	Hazaldous Waste Festing and Nepoli
								· ·
			\$ 6 3,750.00 \$ 15h 25.031.16		80629 Pav App 24, CO-2	- 23	PM Environmental The Douglas Co.	Vapor Barrier Plan/Specs Vapor barrier, venting install, and testing
		\$ 172,500		\$ 143,718.84	1 ))			
			-					
ć					000		L	
20	Costs associated with project management brownileid linandal management	3,000	\$ <b><!--</b-->  \$ 27 , 29 4,982.50</b>	(1,982.50)	82208		PM Environmental	Keimbursement Documentation and Reporting
B10	Post-construction due care plan and associated management and reporting	\$ 5,000	- \$	\$ 5,000.00				
	Dira Cara Activitiae Tota	\$ 2130 646	4 016 513 07	\$ 244 000 53				
1	d Plan	l	ı	l				
C		\$ 9.000	\$ 4 10,000.00	\$ (1,000.00)	78957		PM Environmental	
	Project Sub-Total	\$2,153,670	\$ 1,940,528.97	\$ 213,000.53				
	15% Contingency*	\$ 319,577	· ·					
	Project Sub-Totals with Contingency	\$2,473,247	- \$					
	Project Not to Exceed set by City	\$ 2,148,247	\$ 1,940,528.97					
	3% Interest Not to Exceed	\$ 508,364						
	Revised Total	\$ 2.656.610.68	· ·					
		ı						

## Appendix C



#### **HM** Environmental

TO:	PROJECT: 865 North Old Woodward	ard APPLICATION NO:	Ξ	Distribution to:
FLS Properties #5 LLC PO Box 689 Bloomfield Hills, MI 48303 FROM CONTRACTOR:	VIA ARCHITECT: N/A	PERIOD TO:	3/20/2018	X OWNER ARCHITECT CONTRACTOR
42826 North Walnut		PROJECT NOS:	77018	
Mount Clemens, MI 46043 CONTRACT FOR:	Hazardous Material	CONTRACT DATE:		
CONTRACTOR'S APPLICATION FOR PAYMENT Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.	TION FOR PAYMENT  v, in connection with the Contract.  ched:	The undersigned Contractor of information and belief the W completed in accordance with the Contractor for Work for v payments received from the C	The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.	contractor's knowledge, for Payment has been all amounts have been paid by Payment were issued and it shown herein is now due.
193 ORIGINAL CONTRACT SUM 2 of Net change by Change Orders 3 CONTRACT SUM TO DATE (Line 1 ± 2) 4 order COMPLETED & STORED TO 14 order COMPLETED & STORED TO 15 order COMPLETED & STORED TO 15 order COMPLETED & STORED TO 16 order COMPLETED & STORED TO 17 order COMPLETED & STORED TO 18 order COMPLETED TO 18 order C	\$ 1,951,433.74 \$ 0.00 \$ 1,951,433.74 \$ 1,951,433.74	CONTRACTOR HM Environmental Services, Jac.  By: May Office By:	ronmental Services, Mc.	—Date: 04/12/18
September 1 September 2 September 3 Septem	S 0.00	Subscribed and sworn to before me this 12t County of: Macomb State of: Michigan Notary Public: Duck Electromy Commission expires on: 12/22/2018	Subscribed and sworn to before me this 12th day of April, 2018.  County of: Macomb State of: Michigan  Notary Public: Ducen Eleve My Commission expires on: 12/22/2018	Susan Elaine Maxwell Notary Public of Michigen Macomb County Expires 12/22/2016 Acting in the County of Michigen
Oding Total in Column 1 of G703)  Note: Total in Column 1 of G703)  Oding Total in Column 1 of G703)  Dept. Total in Column 5 Total)	\$ 0.00	ARCHITECT'S C In accordance with the Contr comprising the application, to	ARCHITECT'S CERTIFICATE FOR PAYMENT in accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the	R PAYMENT e observations and the data ner that to the best of the
78 LESS PREVIOUS CERTIFICATES FOR A PAYMENT (Line 6 from prior Certificate) 85 CURRENT PAYMENT DUE 97 BALANCE TO FINISH, INCLUDING	\$ 1,907,530.08 \$ 43,903.66 \$ 0.00	Architect's knowledge, information and benefit free with equality of the Work is in accordance with the Con is entitled to payment of the AMOUNT CERTIFIED.	Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.	s progressed as indicated, bocuments, and the Contractor
CRETAINAGE (Line 3 less 6)		AMOUNT CERTIFIED	\$ N/A	
CHANGE ORDER SUMMARY Total changes approved in previous months by Owner	ADDITIONS DEDUCTIONS	(Attach explanation if amoun Application and onthe Conti	nt certified differs from the amo mation Sheet that are changed	(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and onthe Continuation Sheet that are changed to conform with the amount certified.) ARCHITECT:
Total approved this Month		By: N/A		Date: N/A
TOTALS		This Certificate is not negotic Contractor named herein. Iss	This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without	ED is payable only to the cot payment are without
NET CHANGES by Change Order		prejudice to any rights of the	prejudice to any rights of the Owner or Contractor under this Contract.	s Contract.

PAGE ONE OF TWO PAGES

AIA DOCUMENT G702

APPLICATION AND CERTIFICATION FOR PAYMENT

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THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE, N.W., WASHINGTON, DC 20006-5292 Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee. AIA DOCUMENT G702 - APPLICATION AND CERTIFICATION FOR PAYMENT - 1992 EDITION - AIA - @1992

# CONTINUATION SHEET

FROM CONTRACTOR:
HM Environmental Services, Inc.

HM Environmental Services, Inc. 42826 North Walnut Mount Clemens, MI 48043

APPLICATION NO: 11
APPLICATION DATE: 4/6/2018
PERIOD TO: 4/6/2018
ARCHITECT'S PROJECT NO: N/A

PAGE 2 OF 2 PAGES

AIA DOCUMENT G703

SCHEDULED   WORK COMPLETIED   MATTERIALS   TOTAL   WORK COMPLETIED   MATTERIALS   TOTAL   WORK COMPLETIED   MATTERIALS   TOTAL   WORK COMPLETIED   G + C - G)   RAJI   MATTERIALS   TOTAL   G + C - G)   RAJI   MATTERIALS   TOTAL   G + C - G)   RAJI   RAJI   G + C - G)   RAJI   RAJI   G + C - G)   RAJI   G + G - G)   RAJI   G + G - G)   RAJI   RAJI   G + G - G)   R	A				Э	Ľ.	Ö		H	1
Stone (1X3 Crushed Concrete)         \$2,058.62         \$2,058.62         \$0.00         N/A         \$2,058.62         \$0.00           Visqueen - 10 Mill         \$2,40.00         \$2,40.00         \$2,40.00         \$2,40.00         \$0.00         \$0.00           Demuraça Soli Salas Haardous Soil         \$1,622,080.07         \$1,622,080.07         \$0.00         \$0.00         \$0.00           Exe,,Trans. & Disposal Haardous Soil         \$1,837.50         \$1,622,080.07         \$1,622,080.07         \$0.00         \$0.00           Exe,,Trans. & Disposal Non-Haz Soil         \$1,857.00         \$1,550.00         \$1,47.44         \$1,60.00         \$0.00           Exe,,Trans. & Disposal Non-Haz Soil         \$1,857.00         \$1,60.00         \$1,47.44         \$1,857.00         \$0.00           Cradit Due from Prev Invoice         \$1,856.00         \$1,47.44         \$1,87.00         \$1,00         \$1	NO.	M DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COM FROM PREVIOUS APPLICATION (D+E)	PLETED THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	(D+D) %	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
Kec, Trans. & Disposal Hazardous Soil         \$240.00         \$60.00         N/A         \$240.00         \$60.00           Exc, Trans. & Disposal Hazardous Soil         \$1,622,080.07         \$1,622,080.07         \$1,622,080.07         \$6.00         N/A         \$1,622,080.07         \$6.00           Demurrage On Hazardous Soil         \$1,622,080.07         \$1,622,080.07         \$7.00         N/A         \$1,823.57         \$6.00           Truck, Trans. & Disposal Non- Haz Soil         \$18,814.74         \$118,702.25         \$9.442.19         N/A         \$15,560.00         \$6.00           Credit Due from Frey Invoice         \$13,560.00         \$13,560.00         \$13,560.00         N/A         \$15,560.00         \$6.00           Siand By Rate. Weather Related         \$4,500.00         \$50,000         N/A         \$1,560.00         \$6.00           Sieway and Pacement of Well         \$1,455.00         \$50.00         N/A         \$1,500.00         \$6.00           Secavation and Placement of Well         \$1,500.00         \$1,455.00         \$6.00         N/A         \$1,455.00         \$6.00           Sie Supervisor - Load Trucks w/Water         \$1,500.00         \$1,455.00         \$6.00         N/A         \$1,455.00         \$6.00           Sie Supervisor - Load Trucks w/Water         \$1,500.00 <t< td=""><td>-</td><td>Stone (1X3 Crushed Concrete)</td><td>\$2,058.62</td><td>\$2,058.62</td><td>\$0.00</td><td>N/A</td><td>\$2,058.62</td><td></td><td>\$0.00</td><td>\$0.00</td></t<>	-	Stone (1X3 Crushed Concrete)	\$2,058.62	\$2,058.62	\$0.00	N/A	\$2,058.62		\$0.00	\$0.00
Exe., Trans. & Disposal Hazardous Soil         \$1,622,080.07         \$0.00         N/A         \$1,622,080.07         \$0.00           Demurrage On Hazardous Soil         \$4,857.50         \$4,857.50         \$4,857.50         \$6.00         N/A         \$1,857.50         \$0.00           Demurrage On Hazardous Soil         \$15,560.00         \$10,02.55         \$9,442.19         N/A         \$1,881.14.74         \$0.00           Track Inners         \$15,560.00         \$15,560.00         \$0.00         N/A         \$188.14.74         \$0.00           Credit Due from Prev Invoice         \$15,560.00         \$15,560.00         \$10,00         N/A         \$188.00         \$0.00           Credit Due from Prev Invoice         \$4,500.00         \$10,00 <td>61</td> <td>Visqueen - 10 Mill</td> <td>\$240.00</td> <td>\$240.00</td> <td>\$0.00</td> <td>N/A</td> <td>\$240.00</td> <td></td> <td>\$0.00</td> <td>00.0\$</td>	61	Visqueen - 10 Mill	\$240.00	\$240.00	\$0.00	N/A	\$240.00		\$0.00	00.0\$
Exe, Trans. & Disposal Non-Haz Soil         \$4,875.50         \$4,875.50         \$0.00           Exe, Trans. & Disposal Non-Haz Soil         \$188,1447.4         \$178,702.55         \$9,442.19         N/A         \$188,1447.4         \$0.00           Truck Liners         Condeti Due from Prev Invoice         \$15,560.00         \$10,560.00         N/A         \$15,560.00         \$0.00           Conded Due from Prev Invoice         \$18,356.00         \$10,000.00         \$30,000.00         N/A         \$15,550.00         \$0.00           Samud By Rate - Weather Related         \$4,500.00         \$10,000.00         \$10	e	Exc., Trans. & Disposal Hazardous Soil	\$1,622,080.07	\$1,622,080.07	\$0.00	N/A	\$1,622,080.07		\$0.00	00.08
Exec, Trans. & Disposal Non- Haz Soil         \$178,144,74         \$178,702.55         \$9,442.19         N/A         \$188,144,74         \$0.00           Truck Liners         \$15,560.00         \$15,560.00         \$15,560.00         \$15,560.00         \$0.00           Credit Due from Prev Invoice         \$15,560.00         \$50,000         N/A         \$15,560.00         \$0.00           Add Work - N/E & S/W Wall Extensions         \$80,000.00         \$4,500.00         \$50,000         N/A         \$4,500.00         \$0.00           Delivery and Placement of Stone for Well         \$1,650.00         \$1,650.00         \$0.00         N/A         \$1,650.00         \$0.00           Excavation and Placement of Stone for Well         \$1,455.00         \$0.00         N/A         \$1,425.00         \$0.00           Baily Pump Rental         \$1,425.00         \$0.00         N/A         \$1,425.00         \$0.00           Site Supervisor - Load Truck Traffic         \$1,000.00         \$1,500.00         \$0.00         N/A         \$1,500.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$1,500.00         \$1,000.00         \$1,000.00         \$1,000.00         \$1,000.00         \$0.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$1,297.22         \$1,000.00         \$1,297.22<	4	Demurrage On Hazardous Soil	\$4,857.50	\$4,857.50	\$0.00	N/A	\$4,857.50		\$0.00	80.00
Truck Liners         \$15,560.00         \$15,560.00         \$15,560.00         \$15,560.00         \$10,00	2	Exc., Trans. & Disposal Non- Haz Soil	\$188,144.74	\$178,702.55	\$9,442.19	N/A	\$188,144.74		\$0.00	\$0.00
Credit Due from Prev Invoice         (\$4,955.79)         (\$4,955.79)         (\$4,955.79)         (\$4,955.79)         \$6.00         N/A         \$80,000.00         \$0.00           Addt Work - N/E & S/W Wall Extensions         \$80,000.00         \$50,000.00         \$50,000.00         N/A         \$80,000.00         \$0.00           Stand By Rate - Weather Related         \$4,500.00         \$1,650.00         \$1,650.00         N/A         \$4,500.00         \$0.00           Delivery and Placement of Stone for Well         \$1,650.00         \$1,650.00         N/A         \$1,650.00         \$0.00           Exexargion and Placement of Well         \$1,650.00         \$1,425.00         \$1,425.00         \$1,425.00         \$0.00         \$0.00         \$0.00           Daily Pump Rental         \$1,600.00         \$1,400.00         \$0.00         \$1,425.00         \$0.00         \$0.00         \$0.00           Additional Flagger for Truck Traffic         \$1,000.00         \$1,000.00         \$0.00         \$1,000.00         \$0.00         \$1,000.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00	9	Truck Liners	\$15,560.00	\$15,560.00	\$0.00	N/A	\$15,560.00		\$0.00	\$0.00
AddI Work - N/E & S/W Wall Extensions         \$80,000.00         \$50,000.00         \$1,650.00         \$30,000.00         \$1,650.00         \$20,000.00         \$20,000.00         \$20,000.00         \$20,000.00         \$20,000	7	Credit Due from Prev Invoice	(\$4,955.79)		\$0.00	N/A	(\$4,955.79)		00'0\$	00'0\$
Stand By Rate - Weather Related         \$4,500.00         \$4,500.00         N/A         \$4,500.00         \$0.00           Delivery and Placement of Stone for Well         \$1,650.00         \$1,650.00         \$0.00         N/A         \$1,650.00         \$0.00           Excavation and Placement of Stone for Well         \$1,425.00         \$1,425.00         \$1,425.00         \$0.00         \$0.00           Daily Pump Rental         \$1,425.00	00	Addl Work - N/E & S/W Wall Extensions	\$80,000.00	\$50,000.00	\$30,000.00	N/A	\$80,000.00		00.0\$	\$0.00
Delivery and Placement of Stone for Well         \$1,650.00         \$1,650.00         \$0.00         N/A         \$1,650.00         \$0.00           Excavation and Placement of Well         \$1,425.00         \$0.00         \$0.00         N/A         \$1,455.00         \$0.00           Daily Pump Rental         \$1,425.00         \$1,500.00         \$0.00         N/A         \$1,600.00         \$0.00           Site Supervisor - Load Trucks w/Water         \$1,500.00         \$1,500.00         \$1,500.00         \$1,500.00         \$0.00         \$0.00           Additional Flagger for Truck Traffic         \$1,000.00         \$1,000.00         \$1,000.00         \$0.00         \$0.00         \$0.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$1,2927.25         \$1,000.00         \$1,000.00         \$1,000.00         \$0.00	6	Stand By Rate - Weather Related	\$4,500.00	\$4,500.00	\$0.00	N/A	\$4,500.00		00.08	\$0.00
Excavation and Placement of Well         \$1,425.00         \$1,425.00         \$0.00         N/A         \$1,425.00         \$0.00           Daily Pump Rental         \$900.00         \$900.00         \$0.00         N/A         \$1,500.00         \$0.00           Site Supervisor - Load Trucks w/Water         \$1,500.00         \$1,500.00         \$1,500.00         \$0.00         \$0.00           Additional Flagger for Truck Traffic         \$1,000.00         \$1,000.00         \$1,000.00         \$0.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$3,850.00         \$1,000.00         \$1,000.00         \$0.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$12,927.25         \$10.00         \$0.00         \$0.00           Stone 21AA Crushed Concrete         \$15,584.35         \$11,122.88         \$4,461.47         N/A         \$15,584.35         \$0.00           Stone 21AA Crushed Concrete         \$11,200         \$112.00         \$1,000.00         \$0.00         \$0.00           \$10,55 Gallon Drums         \$11,200         \$1,000.00         \$0.00         \$0.00         \$0.00           \$1,57,433.74         \$1,907,530.08         \$43,903.66         \$0.00         \$1,951,433.74         \$0.00         \$1,951,433.74	10		\$1,650.00	\$1,650.00	\$0.00	N/A	\$1,650.00		00.08	80.00
Daily Pump Rental         \$900.00         \$000.00         \$0.00         N/A         \$900.00         \$0.00           Site Supervisor - Load Truck Mater         \$1,500.00         \$1,500.00         \$1,000.00         \$1,000.00         \$1,000.00         \$0.00         \$1,000.00         \$0.	Ξ	Excavation and Placement of Well	\$1,425.00	\$1,425.00	\$0.00	N/A	\$1,425.00		00.0\$	\$0.00
Site Supervisor - Load Trucks w/Water         \$1,500.00         \$0.00         N/A         \$1,500.00         \$0.00           Additional Flagger for Truck Traffic         \$1,000.00         \$1,000.00         \$0.00         N/A         \$1,000.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$3,850.00         \$3,850.00         N/A         \$1,000.00         \$0.00           Diposal of Groundwater to DART         \$12,927.25         \$12,927.25         \$10,000.00         \$0.00         \$0.00           Stone 21AA Crushed Concrete         \$15,584.35         \$11,200         \$0.00         \$0.00         \$0.00           Stone 21AA Crushed Concrete         \$112.00         \$112.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$0.00         \$0.00         \$0.00         \$0.00           Ackange All All All All All All All All All Al	12		\$900.00	\$900.00	\$0.00	N/A	\$900.00		\$0.00	\$0.00
Additional Flagger for Truck Traffic         \$1,000.00         \$1,000.00         \$0.00         N/A         \$1,000.00         \$0.00           Bulk Tanker w/Operator - Trans Water         \$3,850.00         \$3,850.00         \$3,850.00         N/A         \$12,927.25         \$0.00           Diposal of Groundwater to DART         \$12,927.25         \$12,927.25         \$12,927.25         \$0.00         \$0.00           Stone 21AA Crushed Concrete         \$15,584.35         \$11,122.88         \$4,461.47         N/A         \$15,584.35         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00	13		\$1,500.00	\$1,500.00	\$0.00	N/A	\$1,500.00		00.08	\$0.00
Bulk Tanker w/Operator - Trans Water         \$3.850.00         \$3.850.00         N/A         \$3.850.00         \$0.00           Diposal of Groundwater to DART         \$12,927.25         \$12,927.25         \$12,927.25         \$0.00         N/A         \$15,584.35         \$0.00           Stone 21 AA Crushed Concrete         \$11,122.88         \$4,461.47         N/A         \$15,584.35         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$1,951,433.74         \$1,907,530.08         \$43,903.66         \$0.00         \$1,951,433.74         \$0.00	14		\$1,000.00	\$1,000.00	\$0.00	N/A	\$1,000.00		00.0\$	\$0.00
Diposal of Groundwater to DART         \$12,927.25         \$12,927.25         \$0.00         N/A         \$12,927.25         \$0.00           Stone 21AA Crushed Concrete         \$15,584.35         \$11,122.88         \$4,461.47         N/A         \$15,584.35         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         \$1,951,433.74         \$1,907,530.08         \$43,903.66         \$0.00         \$1,951,433.74         \$0.00	15		\$3,850.00	\$3,850.00	\$0.00	N/A	\$3,850.00		\$0.00	\$0.00
Stone 21AA Crushed Concrete         \$15,584.35         \$11,122.88         \$4,461.47         N/A         \$15,584.35         \$0.00           (2) 55 Gallon Drums         \$112.00         \$112.00         \$0.00         N/A         \$112.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00           (2) 55 Gallon Drums         N/A         \$0.00         \$0.00         \$0.00         \$0.00	16		\$12,927.25	\$12,927.25	\$0.00	N/A	\$12,927.25		00'0\$	\$0.00
(2) 55 Gallon Drums         \$112.00         \$112.00         \$112.00         \$0.00         \$0.00         \$0.00           A Sallon Drums         N/A         \$0.00 <td< td=""><td>17</td><td></td><td>\$15,584.35</td><td>\$11,122.88</td><td>\$4,461.47</td><td>N/A</td><td>\$15,584.35</td><td></td><td>00'0\$</td><td>\$0.00</td></td<>	17		\$15,584.35	\$11,122.88	\$4,461.47	N/A	\$15,584.35		00'0\$	\$0.00
TOTALS         \$1,951,433.74         \$1,907,530.08         \$43,903.66         \$0.00         \$1,951,433.74         \$0.00         \$0.00         \$0.00         \$0.00	18		\$112.00	\$112.00	\$0.00	N/A	\$112,00		00'0\$	\$0.00
N/A \$0.00 \$0						N/A	\$0.00		\$0.00	\$0.00
\$1,951,433.74 \$1,907,530.08 \$43,903.66 \$0.00 \$1,951,433.74 \$0.00						N/A	\$0.00		\$0.00	\$0.00
\$1,951,433.74 \$1,907,530.08 \$43,903.66 \$0.00 \$1,951,433.74 \$0.00					A COLUMN TO	N/A	\$0.00		\$0.00	\$0.00
		GRAND TOTALS	\$1,951,433.74	\$1,907,530.08	\$43,903.66	\$0.00			\$0.00	\$0.00

## H M Environmental Services, Inc. Transaction Journal All Transactions

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11/17/2017 23684 Total			\$ 00.000.02	6
Total 11/22/2017 2370	Operator & Laborer to balance the site for work to be performed by Hardman Construction	4	20,000,00	
Total 11/22/2017 2370		7.5		20,000.00
Total 11/22/2017 2370	Visqueen Rolls (3 mill)	20 \$	75.00 \$	1,500.00
Total 11/22/2017 2370	Stone - 1X3 Crushed Concrete	80.93 \$	25.95 \$	2,100.13
Total 11/22/2017 2370	Stone - 21AA Crushed Concrete	54.56 \$	23.15 \$	1,263.06
Total 11/22/2017 2370	Construction	S	61,127.31 \$	61,127.31
11/22/2017 2370	FLS - 865 North Old Woodward through 11/16/17		S	85,990.50
	11/22/2017 23707 Progress Billing 11/17/17 Through 11/27/17			
	11/27/17 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	625 \$	160.75 \$	0 100,468.75
Total	FLS - 865 North Old Woodward through 11/27/17		s	100,468.75
12/11/2017 23764	34 Progress Billing 11/28/17 Through 12/08/17			
	11/28 Through 12/08 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	1618.88 \$	160.75	260,234.96
	11/28 Through 12/08 Excavate, Transport and Disposal of Non Haz Soils to Advanced Disposal	1200.04 \$	36.50 \$	C 43,801.46
	Visqueen (1) Roll (10 mill)	1.5	240.00 \$	240.00
	Stone - 1X3 Crushed Concrete	24.7 \$	25.95 \$	
Total	FLS - 865 North Old Woodward through 12/08/17		s	304,917.39 18
01/08/2018 23877	7 Progress Billing 12/09/17 Through 12/29/17			
	12/09 Through 12/29 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	2734.06 \$	160.75 \$	439,500.15
	Demurrage at Wayne Disposal 11/29/17 Through 12/08/17 (Not Previously Billed)	5.25 \$	95.00	498.75
	Demurrage at Wayne Disposal 12/08/17 Through 12/29/17	43 \$	\$ 00.36	4,085.00
	12/09 Through 12/29 Excavate, Transport and Disposal of Non Haz Solls to Advanced Disposal	3212.42 \$	36.50 \$	C 117,253.33
	Stone - 1X3 Crushed Concrete	54.63 \$	25.95 \$	
	Truck Liners - Hazardous Loads Only	198 \$	40.00 \$	7,920.00 a
	Credit due from Previous Inv. (1.5 Discount for Early Payment on Inv. # 23764)	1 \$	(4,955.79) \$	(4,955.79)
Total	FLS - 865 North Old Woodward through 12/29/17		s	565,719.09 19
02/02/2018 24010	0 Progress Billing 12/30/17 Through 02/02/18			100
	01/02/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	V 143.09 \$	160.75 \$	23,001.72 D
	01/03/18 Through 01/29/18 Additional Work with Hardman Construction not in the Original		SALVE COM	20 20 20 20 20 20 20 20 20 20 20 20 20 2
	Scope - Northeast & Southwest Wall Extensions	18.00 \$	2,500.00 \$	_
	01/30/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	<b>V</b> 288.26	160.75 \$	
	01/31/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	302.75 \$	160.75 \$	
	02/01/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	√ 325.21 s	160.75 \$	52,277.51 D
	02/02/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	340.10 \$	160.75 \$	54,671.08
	Truck Liners - Hazardous Loads Only	56.00 \$	40.00 \$	2,240.00
Total	FLS - 865 North Old Woodward through 02/02/18		S	272,195.17
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## H M Environmental Services, Inc. Transaction Journal

All Transactions

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02/05/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal Truck Liners - Hazardous Loads Only  FLS - 865 North Old Woodward through 02/16/18  2/20/2018 24079 Progress Billing 02/10/18 Through 02/16/18  02/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/14/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/14/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal Demurage at Disposal - Truck # 109 (3rd Load)  02/14/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/15/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal Truck Liners - Hazardous Loads Only  FLS - 865 North Old Woodward through 02/23/18  02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal Disposal Of 12/21/18 Stand By Rate (Weather Related)  02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal Of 12/21/28 Stand By Rate (Weather Related)	2/9/2018	2/9/2018 24049 Progress Billing 02/03/18 Through 02/09/18	•	1	
20/2018 24079		02/05/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal 02/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	157.94 \	160.75 \$	25,977.20 <mark>b</mark>
20/2018 24079		02/07/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$ 76.001	\$ 52.091	16,230.93 D
26/2018 24079		02/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	126.36	160.75 \$	b 20,312.37
20/2018 24079		Truck Liners - Hazardous Loads Only	22.00 \$	40.00 \$	880.00 a
26/2018 24102	Fotal	FLS - 865 North Old Woodward through 02/09/18		(A)	88,789.36 21
26/2018 24102	2/20/2018	24079 Progress Billing 02/10/18 Through 02/16/18			
26/2018 24102		02/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	V163.95 \$	160.75 \$	b 26,354.96
26/2018 24102		02/13/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	189.14	160.75 \$	30,404.26 b
26/2018 24102		02/14/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	238.47 \$	160.75 \$	b 38,334.05
26/2018 24102		Demurrage at Disposal - Truck # 109 (3rd Load)	0.25 \$	95.00 \$	23.75
26/2018 24102		02/15/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	170.16	160.75 \$	27,353.22 b
26/2018 24102		02/16/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	219.04 \$	160.75 \$	35,210.68
26/2018 24102		Truck Liners - Hazardous Loads Only	37.00 \$	40.00 \$	1,480.00
26/2018 24102	Fotal	FLS - 865 North Old Woodward through 02/16/18		, s	159,160.92 22
	2/26/2018	24102 Progress Billing 02/17/18 Through 02/23/18			
		02/19/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	224.77 \$	\$ 52.091	36,131,78 b
		02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	85.82	\$ 52.091	D 13,795.57
		02/20/18 Stand By Rate 1/2 Day (Weather Related)	0.50 \$	1,000.00 \$	200.00
		02/21/18 Stand By Rate (Weather Related)	1.00 \$	1,000.00 \$	1,000.00
		02/22/18 Stand By Rate (Weather Related)	1.00 s	1,000.00 \$	1,000.00
		02/23/18 Stand By Rate (Weather Related)	1.00 \$	1,000.00 \$	1,000.00
		Truck Liners - Hazardous Loads Only	11.00 \$	\$ 00.00	440.00 a
	Total	FLS - 865 North Old Woodward through 02/23/18		40	53,867.35 23

a - visqueen

b - hazardous soils

c - non-hazardous soils

## H M Environmental Services, Inc. Transaction Journal All Transactions

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A PRINCE A PRINCE				
3/5/2018	24146 Progress Billing 02/24/18 Throug			
	02/26/18 Supervisor met with PM to discuss Water Removal - NO CHARGE	5	5	**
	02/27/18 Delivery and Placment of Stone for Well and Pad	1.00 \$	1,650.00 \$	1,650.00
	Excavation and Placement of Well	1.00 \$	1,425.00 \$	1,425.00
	02/28/18 Site Supervisor - Load Trucks with Groundwater	1.00 \$	\$ 00.067	750.00
	Additional Flagger for Truck Traffic	1.00 \$	\$ 00.003	200.00
	Daily Pump Rental	1.00 \$	450.00 \$	450.00
	Bulk Tanker w/ Operator - Tranpsort Groundwater to Disposal Disposal of Non Boardston Ground Water to DADT - Manifest #6 0485875901118 048587593118 8	11.5 \$	140.00 \$	1,610.00
	018587691JJK	20750 \$	0.35 \$	7 262 50
	03/01/18 Supervisor Checking Excavation On Site - NO CHARGE	5	5	
	03/02/18 Site Supevisor - Load Trucks with Groundwater	1.5	750.00 \$	750.00
	Additional Flagger for Truck Traffic	1 \$	\$ 00.005	200.00
	Daily Pump Rental	1 8	450.00 \$	450.00
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.5 \$	140.00 \$	d 770.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 0185876921JK	Z 0007	0.35 \$	2,450.00
	FLS - 865 North Old Woodward through 03/03/18		w	18,567.50
3/13/2018	24184 Progress Billing 03/04/18 Through 03/13/18			
	03/05/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$ 11.013	160.75 \$	33,775.18
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.00 \$	140.00 \$	O 700.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587704 11K	4585.00 \$	0.35 \$	1,604.75
	03/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$ 56.902	160.75 \$	33,267.21
	03/07/18 Stand By Rate (Meeting with Hardman to discuss finishing Harz. Soil Removal)	1.00 \$	1,000.00 \$	1,000.00
	03/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	428.91 \$	160.75 \$	68,947,28
	03/09/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	178.46	\$ 52.091	28,687,45
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	204.75 \$	\$ 52.091	32,913.56
	Demurrage On Site - Truck # 129	0.5 \$	100,00	20.00
	Demurrage at Disposal - Truck # 129	0.5 \$	100.001	20.00
	Demurrage at Disposal - Truck # 109	1 \$	100.00	100.00
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.5 \$	140.00 \$	O 770.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587705 JJK	4600 \$	0.35 \$	1,610.00
	03/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	240.36	160.75 \$	D 38,637.87
	03/13/18 Excavate, Transport and Disposal of Hazardous Soll to Wayne Disposal	85.5 \$	160.75 \$	13,744.13
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	154.35	36.50 \$	C 5,633.78
	Truck Liners - Hazardous Loads Only	54 \$	40.00 \$	2,160.00
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c - non-hazardous soils b - hazardous soils d - groundwater a - visqueen

c - non-hazardous soils

d - groundwater

H M Environmental Services, Inc. Transaction Journal

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Date	Num	Qty Sal	Sales Price	Amount	
3/21/2018	24222 Progress Billing 03/14/18 Through 03/20/18				
	03/14/18 Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	160.45 \$	36.50 S C	5,856.43	
	03/15/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	115.30 \$	160.75 \$	18,534.48 h	
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	113.08 \$	36.50 \$ C	_	
	03/16/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	V118.56 \$	160.75 \$	19,058.52 h	
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	55.62 \$	36.50 S		
	03/19/18 Stockpile and Load out Soil on West Wall for Hardman	1 \$	2,500.00 \$	2,500.00	
	(2) 55 Gallons Drums - Protect two Pyle Caps	2 \$	\$ 00.95	112.00	
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	26.5 \$	160.75 \$	4,259.88 D	
	Backfill - 21AA Crushed Concrete (8 Loads)	225.4 \$	23.15 \$	5,218.01	
	03/20/18 Excavated (2) Holes to Elevation and moved Soil from Southeast Corner to Northeast				
	Corner of Job Site per Hardman	1.5	2,500.00 \$	2,500.00	
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	59.73 \$	160.75 \$	9,601.60	
	Demurage at Disposal - Truck # 124	0.25 \$	100.00	25.00	
	Demurrage at Disposal - Truck # 127	0.25 \$	100.00	25.00	
	Backfill - 21AA Crushed Concrete (8 Loads)	255.07 \$	23.15	5,904.87	Г
	Truck Liners - Hazardous Loads Only	11.8	\$ 00.00	440.00 a	
Total	FLS - 865 North Old Woodward through 03/20/18		s	80,193.34 26	1
4/6/2018	4/6/2018 24261 Progress Billing 03/21/18 Through 04/06/18				
	03/21/18 Excavate Hole to Elevation and move Stockpile from South East Corner for Hardman	2500.00 \$	1.00 \$	2,500.00	
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	116.07 \$	36.50 \$	C 4,236,56	
	Backfill - 21AA Crushed Concrete (6 Loads)	192.72 \$	23.15 \$	4,461.47	
	03/22/18 Stockpile Soil out of Hardman's way, Excavate Hole for Pile Caps & Clean up Soil Piles				
	from Drilling	2500.00 \$	1.00 \$	2,500.00	
	03/23/18 Stockpile Soil for Hardman & Clean up Soil Piles from Drilling	2500.00 \$	1.00 \$	2,500.00	
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	86.78 \$	36.50 \$	C 3,167.47	
	03/26/18 Stockpile for Ramp, Re-grade NorthEast Side of Excavation	2500.00 \$	1.00 \$	2,500.00	
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	55.84 \$	36.50 \$	C 2,038.16	
	03/27/18 Through 03/29/18 Assist Hardman Onsite	2500.00 \$	3.00 \$	7,500.00	
	03/30/18 Assist Hardman Onsite	2500.00 \$	0.50	1,250.00	
	03/31/18 Through 04/05/18 Assist Hardman Onsite	2500.00 \$	4.00 \$	10,000.00	
	04/06/18 Finish Onsite Work and Load Equipment.	2500 \$	0.50 \$	1,250.00	
Total	FLS - 865 North Old Woodward through 04/06/18		w	43,903.66 See #1	#1
	TOTAL ALL INVOICES THROUGH 04/06/18		s	2,037,424.24	
	LESS PAYMENTS RECEIVED		us.	(1,057,095.73)	
	OUTSTANDING BALANCE		\$	980,328.51	

#### FLS Properties The Pearl Bldg

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 x 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
	11/8/2017	906629	26.65	17			-	Lou's Transport
	11/8/2017	906630	27.27					Lou's Transport
	11/13/2017	902921		27.52			1	Lou's Transport
	11/13/2017	902920		27.04				Lou's Transport
	11/13/2017	902919	27.01					Lou's Transport
1	11/29/2017	017834958 JJK			23.46			S&C Transport
2	11/29/2017	017834951 JJK			24.80		7 = 1	5 & C Transport
3	11/29/2017	017834956 JJK			26,72			5 & C Transport
4	11/29/2017	017834972 JJK			22,46			5 & C Transport
5	11/29/2017	017834957 JJK			22.75		F	5 & C Transport
6	11/29/2017	017834973 JJK			24.18		-	5 & C Transport
7	11/29/2017	017834955 JJK	+		25.34			S&C Transport
8	11/29/2017	017834954 JJK			24.96		7	S&C Transport
	11/30/2017	288569	24.70		-		UT	Lou's Transport
9	11/30/2017	017834953JJK			23,77		1	MLO Performance
10	11/30/2017	017834966JJK		-	25.17		1	MLO Performance
11	11/30/2017	017834971JJK			23,07			MLO Performance
12	11/30/2017	017834952JJK			24.49			MLO Performance
13	11/30/2017	017834967JJK			23.99			MLO Performance
14	11/30/2017	017834970JJK			24,48		100	MLO Performance
15	11/30/2017	017834961JJK			23.86			MLO Performance
16	11/30/2017	017834968JJK			25.56		Town	MLO Performance
17	11/30/2017	017834964JJK			24.98			MLO Performance
18	11/30/2017	017834962JJK			23,32			MLO Performance
19	11/30/2017	017834969JJK			23.77		D 1	MLO Performance
20	12/1/2017	017834963JJK			24.84		0 = 1	MLO Performance
21	12/1/2017	017834979JJK			19.35			MLO Performance
22	12/1/2017	017834982JJK			22.32			MLO Performance
23	12/1/2017	017834965JJK			25,27			MLO Performance
24	12/1/2017	017834978JJK			26.90			MLO Performance
25	12/1/2017	017834981JJK			24.89			MLO Performance
26	12/1/2017	017834977JJK			26,22			MLO Performance
27	12/1/2017	017834980JJK			22.28			MLO Performance
28	12/1/2017	017834983JJK			27.49			MLO Performance
29	12/4/2017	017828060JJK			26.51			MLO Performance
30	12/4/2017	017834997JJK			25.33			MLO Performance
31	12/4/2017	017834984JJK			25.13			MLO Performance
32	12/4/2017	017834985JJK			26,54			MLO Performance
33	12/4/2017	017834998JJK			28.41			MLO Performance
34	12/4/2017	017828062JJK			26.88			MLO Performance

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
35	12/4/2017	017828061JJK	1 1 0 00	- LANA	27,67		O Camarra I	MLO Performance
36	12/4/2017	017834999JJK			26.83			MLO Performance
37	12/4/2017	017834995JJK			25,32		1	MLO Performance
38	12/4/2017	017835995JJK			25.59			MLO Performance
39	12/4/2017	017834996JJK			27.55			MLO Performance
40	12/4/2017	017828063JJK			26.88			MLO Performance
40	12/5/2017	1851724			20.00	29,53		Lou's Transport
_	12/5/2017	1851738				27.43	1	Lou's Transport
	12/5/2017	1851817				27.76		Lou's Transport
		1851878				28.49		Lou's Transport
	12/5/2017					26.57		Lou's Transport
	12/5/2017	1851918				26.12		Lou's Transport
	12/5/2017	1851982				26.03		Lou's Transport
	12/5/2017	1852026				27.84		Lou's Transport
	12/5/2017	1852117				29.03		Lou's Transport
	12/5/2017	1852177			26.23	29.03	1	MLO Performance
41	12/5/2017	017834913JJK						MLO Performance
42	12/5/2017	017828070JJK			24.76			MLO Performance
43	12/5/2017	017828065JJK			27.12			MLO Performance
44	12/5/2017	017828069JJK			24.80			MLO Performance
45	12/5/2017	017828064JJK			24.84		-	MLO Performance
46	12/5/2017	017834912JJK			26.37			MLO Performance
47	12/5/2017	017828071JJK			27.54			MLO Performance
48	12/5/2017	017834911JJK			27.32			
49	12/5/2017	017828068JJK			26.93			MLO Performance
50	12/5/2017	017828067JJK			23.94			MLO Performance
51	12/5/2017	017834915JJK			25,78	-		MLO Performance
52	12/5/2017	017834909JJK			28,25		/	MLO Performance
53	12/5/2017	017828066JJK			30.71			MLO Performance
54	12/5/2017	017834914JJK			33.82	00.11		MLO Performance
	12/6/2017	1852303				28.11		Lou's Transport
	12/6/2017	1852323				26,17		
	12/6/2017	1852375				31.96	-	Lou's Transport
	12/6/2017	1852446				29.15		Lou's Transport
	12/6/2017	1852543				27.44		Lou's Transport
	12/6/2017	1852565				33.42		Lou's Transport
	12/6/2017	1852655				29.18		Lou's Transport
	12/6/2017	1852701				26,35		Lou's Transport
	12/6/2017	1852704			22.15	24.57		Lou's Transport
55	12/6/2017	017834910JJK			24.12			MLO Performance
56	12/6/2017	017828080JJK			24.55			MLO Performance
57	12/6/2017	017828083JJK			24.77			MLO Performance
58	12/6/2017	017828077JJK			25.80			MLO Performance
59	12/6/2017	017828081JJK			25.51	1		MLO Performance
60	12/6/2017	017828085JJK			25.66			MLO Performance

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
61	12/6/2017	017828082JJK	1 1 0 00	WA7101	25,24			MLO Performance
62	12/6/2017	017828078JJK			26.84			MLO Performance
63	12/6/2017	017828086JJK			28.26			MLO Performance
64	12/6/2017	017828084JJK			26.22			MLO Performance
65	12/6/2017	017828079JJK			26,11			MLO Performance
0.0	12/7/2017	1852868			10,11	29.69		Lou's Transport
	12/7/2017	1852918				25,55		Lou's Transport
	12/7/2017	1852936		_		26.78		Lou's Transport
	12/7/2017	1852949				28.29		Lou's Transport
	12/7/2017	1853026				31.75		Lou's Transport
	12/7/2017	1853113				35.80		Lou's Transport
	12/7/2017	1853124				30.18		Lou's Transport
	12/7/2017	1853165				28.30		Lou's Transport
	12/7/2017	1853170				27.96		Lou's Transport
	12/7/2017	1853281				27.81	-	Lou's Transport
	12/7/2017	1853285				23.11	1	Lou's Transport
-	12/7/2017	1853295				25.65		Lou's Transport
66	12/7/2017	017828089JJK			25.52	20.00		MLO Performance
67	12/7/2017	017828093JJK			25.43			MLO Performance
68	12/7/2017	017828105JJK			25,84			MLO Performance
69	12/7/2017	017828088JJK			24.42			MLO Performance
70	12/7/2017	017828092JJK			25.38			MLO Performance
71	12/7/2017	017828096JJK			25.16			MLO Performance
72	12/7/2017	01782809033K			26.43		-	MLO Performance
73	12/7/2017	017828094JJK			26.70		1	MLO Performance
74	12/7/2017	017828090JJK			26.45			MLO Performance
75	12/7/2017	017828087JJK			26.58			MLO Performance
76	12/7/2017	017828091JJK	-		25.21			MLO Performance
77	12/7/2017	017828095JJK			27.13			MLO Performance
11	12/8/2017	1853453			27.10	24.70		Lou's Transport
_	12/8/2017	1853478				32,70		Lou's Transport
	12/8/2017	1853488				24.79		Lou's Transport
_	12/8/2017	1853583				26.25		Lou's Transport
	12/8/2017	1853616				33.28		Lou's Transport
	12/8/2017	1853655				28.59		Lou's Transport
	12/8/2017	1853657				30.64		Lou's Transport
	12/8/2017	1853709				26.52	110	Lou's Transport
	12/8/2017	1853769				32.27		Lou's Transport
	12/8/2017	1853784				34.97		Lou's Transport
	12/8/2017	1853810		1		28.97		Lou's Transport
	12/8/2017	1853820		-		30.34		Lou's Transport
78	12/8/2017	017828109JJK			23.87	25,01		MLO Performance
79	12/8/2017	017828103JJK			25.65			MLO Performance
80	12/8/2017	017828099JJK		-	23.85	-		MLO Performance

	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
81	12/8/2017	017828101JJK		A-10.11	25.50	1 2 3 7 7	18. 18. 18. 18. 18. 18.	MLO Performance
82	12/8/2017	017828107JJK			25.81			MLO Performance
83	12/8/2017	017828111JJK			25,12			MLO Performance
84	12/8/2017	017828104JJK			23,44			MLO Performance
85	12/8/2017	017828100JJK			23,77			MLO Performance
86	12/8/2017	017828110JJK			27,35			MLO Performance
87	12/8/2017	017828102JJK			22.10			MLO Performance
88	12/8/2017	017828108JJK			26,35			MLO Performance
89	12/11/2017	017828112JJK			25,64			MLO Performance
90	12/11/2017	017828118JJK			26.65			MLO Performance
91	12/11/2017	017828113JJK			25.28			MLO Performance
92	12/11/2017	017828117JJK			28,25			MLO Performance
93	12/11/2017	017828056JJK			28.94			MLO Performance
94	12/11/2017	017828116JJK			25.39			MLO Performance
95	12/11/2017	017828057JJK			26,59			MLO Performance
96	12/11/2017	017828115JJK			26.23			MLO Performance
,,,	12/11/2017	1853994				27,00		Lou's Transport
_	12/11/2017	1854006				26.83		Lou's Transport
	12/11/2017	1854017	-			34.94		Lou's Transport
	12/11/2017	1854064				26.13		Lou's Transport
	12/11/2017	1854154				28.27		Lou's Transport
-	12/11/2017	1854145				29.21		Lou's Transport
_	12/11/2017	1854189				37.92		Lou's Transport
	12/11/2017	1854218				30.99	7	Lou's Transport
_	12/11/2017	1854266				27.39		Lou's Transport
	12/11/2017	1854283				35,99		Lou's Transport
97	12/12/2017	017828114JJK			25.84		1	MLO Performance
98	12/12/2017	017834990JJK			25.48			MLO Performance
99	12/12/2017	017828055JJK			27.18			MLO Performance
100	12/12/2017	017834991JJK			26.56			MLO Performance
101	12/12/2017	017834986JJK			25.21			MLO Performance
102	12/12/2017	017834992JJK			24.79			MLO Performance
103	12/12/2017	017834989JJK			24.57			MLO Performance
104	12/12/2017	017834993JJK			25.56		1= = =	MLO Performance
	12/12/2017					29.95		Lou's Transport
	12/12/2017					30.01		Lou's Transport
	12/12/2017	1854557				30.17		Lou's Transport
	12/12/2017	1854546				28.81		Lou's Transport
	12/13/2017	1854785				25.42		Lou's Transport
	12/13/2017	1854854				33.98		Lou's Transport
	12/13/2017	1854796				32,32		Lou's Transport
	12/13/2017	859574	26.55					Lou's Transport
105	12/13/2017				25.49			MLO Performance
106	12/13/2017	017828129JJK			21.49			MLO Performance

Number of Haz.		W 16 15 15 15 15 15	Michigan Concrete	State Crushing	Wayne Disposal Hazardous	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Deltara
Loads	Date	Manifest/Ticket #	1 x 3 CC	21AA	Soil 23,21	5011	Groundwater	Driver
107	12/13/2017	017834994JJK			57			MLO Performance
108	12/13/2017	017928130JJK	.! :		22.01			MLO Performance
109	12/14/2017	017828143JJK			24.44			MLO Performance
110	12/14/2017	017828140JJK			23.95			MLO Performance
111	12/14/2017	017882131JJK			24.14			MLO Performance
112	12/14/2017	017828141JJK			24.16			MLO Performance
113	12/14/2017	017828144JJK			26,10			MLO Performance
114	12/14/2017	017828132JJK			23.39			MLO Performance
115	12/14/2017	017828142JJK	4	13000	24,75			MLO Performance
116	12/14/2017	017828133JJK	1		25,17			MLO Performance
	12/15/2017	1855339				29.85		Lou's Transport
	12/15/2017	1855497				29.67		Lou's Transport
	12/15/2017	1855623				24.94		Lou's Transport
	12/15/2017	1855391				26.95		Lou's Transport
	12/15/2017	1855301				27.96		Lou's Transport
	12/15/2017	1855469				33,01		Lou's Transport
	12/15/2017	1855601				27.21		Lou's Transport
	12/15/2017	1855297				28.78		Lou's Transport
	12/15/2017	1855328				27.22		Lou's Transport
	12/15/2017	1855431				25.96		Lou's Transport
	12/15/2017	1855544				27.23		Lou's Transport
117	12/15/2017	017828146JJK			19.60			MLO Performance
118	12/15/2017	017828150JJK			23.77			MLO Performance
119	12/15/2017	017828145JJK			26.06			MLO Performance
120	12/15/2017	017828149JJK			26.74			MLO Performance
121	12/15/2017	017828147JJK			23.07			MLO Performance
122	12/15/2017	017828151JJK			22.26			MLO Performance
123	12/15/2017	017828152JJK			25.83		7	MLO Performance
124	12/15/2017	017828148JJK			24.20			MLO Performance
125	12/18/2017	017828155JJK	-		23.07			MLO Performance
126	12/18/2017	017828158JJK			26.60		7 1 - 1	MLO Performance
127	12/18/2017	017828162JJK			25.91		100000000000000000000000000000000000000	MLO Performance
128	12/18/2017	017828153JJK			24.69		0	MLO Performance
129	12/18/2017	017828157JJK			25.40		10.	MLO Performance
130	12/18/2017	017828161JJK			26.43		TIL T	MLO Performance
131	12/18/2017	017828154JJK			21,13			MLO Performance
132	12/18/2017	017828159JJK	1		23,60		11	MLO Performance
133	12/18/2017	017828163JJK			24.47		11	MLO Performance
134	12/18/2017	017828156JJK			26.66			MLO Performance
135	12/18/2017	017828160JJK			27.30			MLO Performance
	12/18/2017	1855853				29.28		Lou's Transport
	12/18/2017	1855857				25.99	11	Lou's Transport
	12/18/2017	1855870				26.27	11	Lou's Transport
	12/18/2017	1855937				23.93		Lou's Transport

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 x 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
102-5 V S 1	12/18/2017	1855997				27.75		Lou's Transport
	12/18/2017	1856015			- 7	33,21		Lou's Transport
	12/18/2017	1856056				26.91		Lou's Transport
	12/18/2017	1856151				27.51		Lou's Transport
	12/18/2017	1856183	1			32.72		Lou's Transport
	12/18/2017	1856206				27.04		Lou's Transport
	12/19/2017	861141	28,08	-			10	Lou's Transport
	12/19/2017	1856316	11			28.38	1	Lou's Transport
	12/19/2017	1856346				28.25		Lou's Transport
	12/19/2017	1856361				30.44		Lou's Transport
	12/19/2017	1856401				32,6		Lou's Transport
	12/19/2017	1856443				27.41		Lou's Transport
	12/19/2017	1856503				25.97		Lou's Transport
	12/19/2017	1856505	1			31.05		Lou's Transport
	12/19/2017	1856525				31.00		Lou's Transport
	12/19/2017	1856572				27.04		Lou's Transport
	12/19/2017	1856654				27,92	1 - 1	Lou's Transport
	12/19/2017	1856661				30.29	F =	Lou's Transport
136	12/19/2017	017828185JJK			27.15			MLO Performance
137	12/19/2017	017828178JJK			25.41			MLO Performance
138	12/19/2017	017828184JJK			24.96			MLO Performance
139	12/19/2017	017828186JJK			25.28			MLO Performance
140	12/19/2017	017828183JJK	1.04		25,25			MLO Performance
141	12/19/2017	017828181JJK			25.18			MLO Performance
142	12/19/2017	017828187JJK			28.21			MLO Performance
143	12/19/2017	017828182JJK			25.40			MLO Performance
144	12/19/2017	017828180JJK			23.61			MLO Performance
	12/20/2017	1856788				34.86		Lou's Transport
	12/20/2017	1856797				35.58	7	Lou's Transport
	12/20/2017	1856830				38.53		Lou's Transport
	12/20/2017	1856834				30.42		Lou's Transport
	12/20/2017	1856840				35.40		Lou's Transport
	12/20/2017	1856846				26.12		Lou's Transport
	12/20/2017	1856860				32.46	0.4	Lou's Transport
	12/20/2017	1856926				28.26	11	Lou's Transport
	12/20/2017	1856941			1	30.78		Lou's Transport
	12/20/2017	1856945				32.47		Lou's Transport
	12/20/2017	1856967				28,65		Lou's Transport
	12/20/2017	1856969				28.03		Lou's Transport
	12/20/2017	1856978				27,47		Lou's Transport
	12/20/2017	1856984				26,67	1.6	Lou's Transport

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 x 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
TAC TAC	12/20/2017	1856986				25,68		Lou's Transport
	12/20/2017	1857006	1			25.10		Lou's Transport
	12/20/2017	1857038		1		28.40		Lou's Transport
	12/20/2017	1857048	1 1			29.37		Lou's Transport
	12/20/2017	1857061	/1			31,44		Lou's Transport
	12/20/2017	1857071				30.97		Lou's Transport
	12/20/2017	1857073				21,50		Lou's Transport
	12/20/2017	1857089	150			25.67		Lou's Transport
	12/20/2017	1857103	14		-	27.98		Lou's Transport
	12/20/2017	1857105	1 - 7 -4			25.85		Lou's Transport
	12/20/2017	1857135		-		29.74		Lou's Transport
	12/21/2017	1857255	1			31.54		Lou's Transport
	12/21/2017	1857290				23,62		Lou's Transport
	12/21/2017	1857361				33.99		Lou's Transport
	12/21/2017	1857409				31,66		Lou's Transport
	12/21/2017	1857465	1			35.60		Lou's Transport
	12/21/2017	1857563				32.90		Lou's Transport
	12/22/2017	1857691				31.40		Lou's Transport
	12/22/2017	1857704				29,28		Lou's Transport
	12/22/2017	1857715	1			29.88		Lou's Transport
-	12/22/2017	1857738				32.36		Lou's Transport
	12/22/2017	1857812				27.83		Lou's Transport
	12/22/2017	1857823				26.00		Lou's Transport
	12/22/2017	1857850				27.41		Lou's Transport
	12/22/2017	1857857				31.98		Lou's Transport
	12/22/2017	1857876				29.26		Lou's Transport
	12/22/2017	1857885		1		27.71		Lou's Transport
	12/22/2017	1857905				30,11		Lou's Transport
	12/22/2017	1857931				28.93		Lou's Transport
-	12/22/2017	1857951				26.00		Lou's Transport
	12/22/2017	1857961				34.70		Lou's Transport
	12/22/2017	1858000				30.35		Lou's Transport
	12/22/2017	1858025				26.30		Lou's Transport
	12/26/2017	1858150				32,89		Lou's Transport
	12/26/2017	1858159				29.21		Lou's Transport
	12/26/2017	1858219				35.99		Lou's Transport
	12/26/2017	1858222				26.81		Lou's Transport
	12/26/2017	1858246				32,65		Lou's Transport
	12/26/2017	1858292				28.08		Lou's Transport

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
Louds	12/26/2017	1858307	2 1 0 00			32.94		Lou's Transport
_	12/26/2017	1858331				30.39		Lou's Transport
1AE	12/26/2017				26.51	55.57		MLO Performance
145		017828305JJK		-	25.44			MLO Performance
146	12/26/2017	017828301JJK			23.99			MLO Performance
147	12/26/2017	017828298JJK			26.85		-	MLO Performance
148	12/26/2017	017828302JJK						MLO Performance
149	12/26/2017	017828299JJK			26.26		-	MLO Performance
150	12/26/2017	017828303JJK			29.38			MLO Performance
151	12/26/2017	017828297JJK			25.71			
152	12/26/2017	017828304JJK			26,24			MLO Performance
153	12/26/2017	017828300JJK			26.55			MLO Performance
154	12/26/2017	017828296JJK	-		25,55			MLO Performance
155	12/27/2017	017828179JJK	4		25.38			MLO Performance
156	12/27/2017	017828284JJK			20.98			MLO Performance
157	12/27/2017	017828288JJK			24.77			MLO Performance
158	12/27/2017	017828295JJK	1		23.72			MLO Performance
159	12/27/2017	017828285JJK			24.90			MLO Performance
160	12/27/2017	017828289JJK	1	1	23,99			MLO Performance
161	12/27/2017	017828294JJK			24.14			MLO Performance
162	12/27/2017	017828286JJK			27.87			MLO Performance
163	12/27/2017	017828291JJK		1	24.46			MLO Performance
164	12/27/2017	017828287JJK			25.07			MLO Performance
	12/27/2017	1858402				28.13	1 2	Lou's Transport
	12/27/2017	1858447				26.58		Lou's Transport
	12/27/2017	1858479				29.81		Lou's Transport
	12/27/2017	1858533				26,86		Lou's Transport
	12/27/2017	1858550		1		30.80		Lou's Transport
165	12/28/2017	017828290JJK			23.94		F =	MLO Performance
166	12/28/2017	017828194JJK		1	23.56		1	MLO Performance
167	12/28/2017	017828198JJK			22,98			MLO Performance
168	12/28/2017	017828292JJK			24.74			MLO Performance
169	12/28/2017	017828195JJK	1		25.78			MLO Performance
170	12/28/2017	017828199JJK			24.64			MLO Performance
171	12/28/2017	017828293JJK			20.91		Art T	MLO Performance
172	12/28/2017	017828196JJK			22.38			MLO Performance
173	12/28/2017	017828200JJK			23.16	E	- I	MLO Performance
174	12/28/2017	017828193JJK			20.04			MLO Performance
175	12/28/2017	017828197JJK			24.04		F	MLO Performance
176	12/28/2017	017828201JJK			25,71			MLO Performance
177	12/28/2017	017828203JJK			24.96			MLO Performance
178	12/28/2017	017828207JJK			24.47		117	MLO Performance
179	12/28/2017	017828202JJK			22.94		1	MLO Performance
180	12/28/2017	017828206JJK			22.62		11	MLO Performance
181	12/28/2017	017828349JJK			25.34			MLO Performance

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
182	12/28/2017	017828204JJK			23.25			MLO Performance
183	12/28/2017	017828208JJK			25.09			MLO Performance
184	12/28/2017	017828348JJK			26.75			MLO Performance
185	12/28/2017	017828205JJK			24.85		=	MLO Performance
186	12/28/2017	017828350JJK			23.97			MLO Performance
187	12/28/2017	017828347JJK			26.12			MLO Performance
188	12/29/2017	017828203JJK			24.96			MLO Performance
189	12/29/2017	017828207JJK			24.47			MLO Performance
190	12/29/2017	017828202JJK			22.94			MLO Performance
191	12/29/2017	017828206JJK			22.62			MLO Performance
192	12/29/2017	017828349JJK			25.34			MLO Performance
193	12/29/2017	017828204JJK			23.25			MLO Performance
194	12/29/2017	017828208JJK			25.09			MLO Performance
195	12/29/2017	017828348JJK			26.75			MLO Performance
196	12/29/2017	017828205JJK			24.85			MLO Performance
197	12/29/2017	017828350JJK			23.97			MLO Performance
198	12/29/2017	017828347JJK			26.12			MLO Performance
199	1/2/2018	017828346JJK			23.88			MLO Performance
200	1/2/2018	017828344JJK			21.94			MLO Performance
201	1/2/2018	017828342JJK			24.96			MLO Performance
202	1/2/2018	017828345JJK			24.46			MLO Performance
203	1/2/2018	017828343JJK			24.36			MLO Performance
204	1/2/2018	017828341JJK		Te = 11	23.49			MLO Performance
205	1/30/2018	017828468JJK			28.13			HM/Pat
206	1/30/2018	017828467JJK			28,28			HM/Pat
207	1/30/2018	017828340JJK			27.18			HM/Pat
208	1/30/2018	017828449JJK			24.94	-		S&C Transport
209	1/30/2018	017828451JJK			27.57			5 & C Transport
210	1/30/2018	017828454JJK			24.80			5 & C Transport
211	1/30/2018	017828448JJK			26.01			5 & C Transport
212	1/30/2018	017828453JJK			25,23			5 & C Transport
213	1/30/2018	017828450JJK			26.05			5 & C Transport
214	1/30/2018	017828452JJK			25,53			5 & C Transport
215	1/30/2018	017828455JJK			24.54			5 & C Transport
216	1/31/2018	017828471JJK			32.48			HM/Pat
217	1/31/2018	017828470JJK			28.38		-	HM/Pat
218	1/31/2018	017828469JJK			29.99			HM/Pat
219	1/31/2018				21,58			S&C Transport

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 x 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
220	1/31/2018	017828460JJK			24.70			S&C Transport
221	1/31/2018	017828463JJK			24.95			5 & C Transport
222	1/31/2018	017828458JJK			24.04			5 & C Transport
223	1/31/2018	017828461JJK	1 -17		22.82	0		S&C Transport
224	1/31/2018	017828464JJK			26.63		- 1	S&C Transport
225	1/31/2018	017828456JJK			20.89			5 & C Transport
226	1/31/2018	017828459JJK			22.42			5 & C Transport
227	1/31/2018	017828462JJK			23.87			5 & C Transport
228	2/1/2018	017828495JJK			20.39			5 & C Transport
229	2/1/2018	017828498JJK			23.76		1	5 & C Transport
230	2/1/2018	017828499JJK			22.20			5 & C Transport
231	2/1/2018	017828493JJK	-		22,81			5 & C Transport
232	2/1/2018	017828497JJK			24.49			5 & C Transport
233	2/1/2018	018587516JJK			23.33	-		S & C Transport
234	2/1/2018	017828494JJK			23.57			5 & C Transport
235	2/1/2018	017828496JJK			22.11			S & C Transport
236	2/1/2018	017828500JJK			24.53			S & C Transport
237	2/1/2018	017828489JJK			30.06			HM/Zach
238	2/1/2018	017828490JJK			29.53			HM/Zach
239	2/1/2018	017828491JJK			28.06			HM/Pat
240	2/1/2018	017828492JJK			30.37			HM/Pat
241	2/2/2018	017828472JJK		-	28.13		-	HM/Zach
242	2/2/2018	017828474JJK			26.16			HM/Zach
243	2/2/2018	017828474JJK			26,99			HM/Zach
244	2/2/2018	017828475JJK			25.07			HM/Pat
245	2/2/2018	017828473JJK			23,63			HM/Pat
	2/2/2018	017828488JJK			27.77			HM/Pat
246	2/2/2018	017828339JJK			22.24			5 & C Transport
	2/2/2018	017828338JJK			24.04			5 & C Transport
248	2/2/2018	017828337JJK			21.82	-		5 & C Transport
249	2/2/2018	017828336JJK			21.30	-		5 & C Transport
250		017828335JJK	-	-	23.74			5 & C Transport
251	2/2/2018	017828335JJK			24.06			5 & C Transport
252					22.94			5 & C Transport
253	2/2/2018				22.21	_		5 & C Transport
254	2/2/2018				21.70			5 & C Transport
255	2/5/2018				19.41			S&C Transport
256	2/5/2018				21.91			S & C Transport
257	2/5/2018							HM/Pat
258	2/5/2018			-	28.12			HM/Pat
259	2/5/2018			-	26.61	-	1	5 & C Transport
260	2/5/2018				23,29	-		5 & C Transport
261	2/5/2018							HM/Nick
262	2/6/2018				27.51			HM/Nick
263	2/6/2018				25.85			
264	2/6/2018				26.91			HM/Nick
265	2/6/2018				26,34			HM/Pat
266 267	2/6/2018				26,30 25,03	4		HM/Pat HM/Pat

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 x 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
268	2/7/2018	018587542JJK	1 1 0 00	Lann.	26.38		5,54,14,4,5	HM/Nick
269	2/7/2018	018587541JJK		-	28.68			HM/Nick
270	2/7/2018	018587539JJK			23.75			HM/Zach
271	2/7/2018	018587540JJK			22.16			HM/Zach
272	2/8/2018	018587538JJK			23.69			HM/Zach
273	2/8/2018	018587537JJK			27,43			HM/Nick
274	2/8/2018	018587560JJK			23.90			HM/Zach
275	2/8/2018	018587559JJK			27.09			HM/Nick
276	2/8/2018	018587558JJK			24.25			HM/Zach
277	2/12/2018	018587555JJK			27.00			HM/Nick
278	2/12/2018	018587553JJK			25.96		1	HM/Nick
279	2/12/2018	018587557JJK			25.36			HM/Zach
280	2/12/2018	018587554JJk			24.61			HM/Zach
281	2/12/2018	018587552JJK			35.18			HM/Paul
282	2/12/2018	018587556JJK			25.84			HM/Paul
283	2/13/2018	018587562JJK			26.46			HM/Pat
284	2/13/2018	018587585JJK			24.75			HM/Pat
285	2/13/2018	018587551JJK			26.97			HM/Nick
286	2/13/2018	018587564JJK			25.08			HM/Nick
287	2/13/2018	018587584JJK			22.71			HM/Nick
288	2/13/2018	018587583JJK			19.31			HM/Zach
289	2/13/2018	018587563JJK			22,55			HM/Zach
290	2/13/2018	018587565JJK			21.31			HM/Zach
291	2/14/2018	018587580JJK			27.04		5 - 1	HM/Nick
292	2/14/2018	018587577JJK			24.71			HM/Nick
293	2/14/2018	018587574JJK		7	31,11			HM/Nick
294	2/14/2018	018587575JJK		7	25.40			HM/Zach
295	2/14/2018	018587578JJK			25.87			HM/Zach
296	2/14/2018	018587581JJK			25,55			HM/Zach
297	2/14/2018	018587576JJK			25.34			HM/Pat
298	2/14/2018	018587582JJK			27.83		1	HM/Pat
299	2/14/2018	018587579JJK			25.62			HM/Pat
300	2/15/2018	018587573JJK			24,70			HM/Zach
301	2/15/2018	018587571JJK			26.44	1		HM/Zach
302	2/15/2018	018587594JJK			30.67			HM/Zach
303	2/15/2018	018587572JJK			28.14			HM/Nick
304	2/15/2018				29.29			HM/Nick
305	2/15/2018				30.92			HM/Nick
306	2/16/2018				27.45			HM/Pat
307	2/16/2018	018587601JJK			28.95			HM/Pat
308	2/16/2018	018587596JJK			28.30			HM/Nick
309	2/16/2018				28,82	1		HM/Nick

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Sail	DART Disposal Groundwater	Driver
310	2/16/2018	018587602JJK			28.49			HM/Nick
311	2/16/2018	018587597JJK			26.44			HM/Zach
312	2/16/2018	018587600JJK	1		23,83			HM/Zach
313	2/16/2018	018587603JJK	14		26.76			HM/Zach
314	2/19/2018	018587611JJK			28.83			HM/Mike
315	2/19/2018	018587608JJK			26.08			HM/Mike
316	2/19/2018	018587604JJK			29.52			HM/Mike
317	2/19/2018	018587605JJK			28.07			HM/Nick
318	2/19/2018	018587607JJK			27.99		100000	HM/Nick
319	2/19/2018	018587610JJK	1 10		27.16			HM/Nick
320	2/19/2018	018587609JJK			27.49			HM/Zach
321	2/19/2018	018587606JJK			29.63			HM/Zach
322	2/20/2018	018587612JJK	11		30.05			HM/Mike
323	2/20/2018	018587618JJK			28.22			HM/Nick
324	2/20/2018	018587619JJK			27.55			HM/Zach
	2/28/2018	018587690JJK					6750	HM/Nick
	2/28/2018	018587693JJK	1				7000	HM/Nick
	2/28/2018	018587691JJK	11 - 11	1: 8			7000	HM/Nick
	3/2/2018	018587692JJK	11				7000	HM/Nick
325	3/5/2018	018587513JJK	17 16		34.67		E - 1	5 & C Transport
326	3/5/2018	018587514JJK			23.52			S&C Transport
	3/5/2018	018587704JJK					4585	HM/Nick
327	3/5/2018	018587625JJK			30.99			HM/Zach
328	3/5/2018	018587622JJK		-	23.40			HM/Zach
329	3/5/2018	018587624JJK			28.39			HM/Paul
330	3/5/2018	018587621JJK			20.10		C	HM/Paul
331	3/5/2018	018587623JJK			30.01			HM/Pat
332	3/5/2018	018587620JJK			19.03			HM/Pat
333	3/6/2018	018587510JJK			31.88			S&C Transport
334	3/6/2018	018587512JJK			28.78			S & C Transport
335	3/6/2018	018587509JJK			29.05			S&C Transport
336	3/6/2018	018587511JJK			29.04			S&C Transport
337	3/6/2018	018587628JJK			31.07			HM/Pat
338	3/6/2018	018587627JJK			28.39			HM/Zach
339	3/6/2018	018587626JJK			28.74			HM/Travis
340	3/8/2018	018587507JJK			29.97		1 3	5 & C Transport
341	3/8/2018	018587527JJK			27.32		1,1	S & C Transport
342	3/8/2018	018587505JJK			28.97			5 & C Transport
343	3/8/2018	018587508JJK			32.03		1	5 & C Transport
344	3/8/2018	018587506JJK			31.92			5 & C Transport
345	3/8/2018	018587504JJK			32.19			5 & C Transport
346	3/8/2018	018587637JJK			26.92			HM/Zach
347	3/8/2018	018587634JJK			28.14			HM/Zach
348	3/8/2018	018587631JJK	-		26.72			HM/Zach
349	3/8/2018	018587629JJK			25.83			HM/Travis
350	3/8/2018	018587632JJK			29.00			HM/Travis
351	3/8/2018	018587635JJK			27.45			HM/Travis
352	3/8/2018	018587636JJK			28.75			HM/Pat
353	3/8/2018	018587633JJK			26,52			HM/Pat
354	3/8/2018	018587630JJK			27.18			HM/Pat

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
355	3/9/2018	018587723JJK			26.86			HM/Nick
356	3/9/2018	018587725JJK			29.53			HM/Nick
357	3/9/2018	018587724JJK			29.33			HM/Pat
358	3/9/2018	018587721JJK			28.11			HM/Pat
359	3/9/2018	018587727JJK			31.90			HM/Pat
360	3/9/2018	018587726JJK			30.87			HM/Zach
361	3/9/2018	018587722JJK	-		28.15			HM/Zach
362	3/9/2018	018587533JJK			30.12			5 & C Transport
363	3/9/2018	018587531JJK		14	28.52	-		5 & C Transport
364	3/9/2018	018587529JJK			29.52		11	5 & C Transport
365	3/9/2018	018587532JJK			29.84			5 & C Transport
366	3/9/2018	018587530JJK	1 - 1		31.92			5 & C Transport
367	3/9/2018	018587528JJK			28.54			5 & C Transport
	3/9/2018	018587705JJK				-	4600	HM/Paul
368	3/12/2018	018587728JJK			31.88			HM/Travis
369	3/12/2018	018587746JJK			29.44			HM/Travis
370	3/12/2018	018587744JJK			29.34			HM/Travis
371	3/12/2018	018587743JJK			32.74			HM/Paul
372	3/12/2018	018587729JJK			27.94			HM/Paul
373	3/12/2018	018587730JJK			31.10			HM/Paul
374	3/12/2018	018587745JJK			30.41			HM/Tom
375	3/12/2018	018587742JJK			27.51			HM/Tom
376	3/13/2018	018587739JJK			28.29			HM/Zach
3/0	3/13/2018	1877728			20,23	23.64		HM/Zach
-	3/13/2018	1877836				27.31		HM/Zach
377	3/13/2018	018587741JJK	-		29,78	27.51		HM/Paul
3//	3/13/2018	1877818			23,70	26.48		HM/Paul
-	3/13/2018	1877721				24.16		HM/Paul
270	3/13/2018	018587740JJK			27.43	24,10		HM/Travis
378		A STATE OF THE PARTY OF THE PAR		-	21.43	25.36		HM/Travis
_	3/13/2018	1877725 1877827				27.40		HM/Travis
-	3/13/2018 3/14/2018				-	28.34		HM/Nick
-	the state of the s	1877959				25.02		HM/Nick
	3/14/2018	1878057				26.63		HM/Nick
	3/14/2018	1878199				25.67		HM/Zach
-	3/14/2018							HM/Zach
	3/14/2018					26.87		HM/Zach
070	3/14/2018	1878184			27.05	27.92		
379	3/15/2018	018587738JJK			27.85			HM/Pat
380	3/15/2018	018587737JJK			28.98	20.44		HM/Pat
	3/15/2018	1878401				29.44		HM/Zach
	3/15/2018	1878311			2011	26.17		HM/Zach
381	3/15/2018	018587766JJK			30.14	20.04		HM/Zach
	3/15/2018	1878332				29,84		HM/Nick
	3/15/2018	1878428			20.22	27.63		HM/Nick
382	3/15/2018	018587758JJK			28.33	27.00		HM/Nick
	3/16/2018	1878697				27,89		HM/Zach
7.4	3/16/2018	1878774			00 ==	27.73		HM/Zach
383	3/16/2018	018587760JJK			29.70			HM/Zach
384	3/16/2018				30,63			HM/Nick
385	3/16/2018				28.36			HM/Nick
386	3/16/2018				29.87		14-	HM/Nick
387	3/19/2018	018587762JJK			26.50			HM/Zach

Number of Haz. Loads	Date	Manifest/Ticket #	Michigan Concrete 1 × 3 CC	State Crushing 21AA	Wayne Disposal Hazardous Soil	Advanced Disposal Non-Haz Soil	DART Disposal Groundwater	Driver
55-565 1	3/19/2018	116379		34.54				HM/Zach
	3/19/2018	116383		32,10				HM/Zach
	3/19/2018	116387		30.08				HM/Zach
	3/19/2018	116384		27.05				HM/Tom
	3/19/2018	116382		26.07				HM/Tom
	3/19/2018	116378		28.65			- L	HM/Tom
	3/19/2018	116376		21.84				HM/Tom
	3/19/2018	116377		25.07				HM/Tom
388	3/20/2018	018587764JJK			27.96			HM/Travis
	3/20/2018	116392		32.24				HM/Travis
	3/20/2018	116400		31.71				HM/Travis
	3/20/2018	119003	1	32.37				HM/Travis
	3/20/2018	119007		29.89			1	HM/Travis
389	3/20/2018	018587763JJK		The Art	31.77			HM/Paul
	3/20/2018	119006		32.02				HM/Paul
	3/20/2018	116398		32.87				HM/Paul
	3/20/2018	116389		31,85	- 1		/	HM/Paul
	3/20/2018	119002		32,12				HM/Paul
	3/21/2018	119050	16	33.76				HM/Tom
-	3/21/2018	119043		32.26				HM/Tom
	3/21/2018	119027	1	29.71				HM/Tom
	3/21/2018	1879859				27.86		HM/Tom
	3/21/2018	1880083		00.70		27,55		HM/Tom
	3/21/2018	119042		33.70				HM/Paul
	3/21/2018	119049		30.97			1	HM/Paul
	3/21/2018	119029		32.32		21.40		HM/Paul
	3/21/2018	1879870				31.49 29.17		HM/Paul
	3/21/2018	1880074				29,17		HM/Tom
	3/23/2018	1880533				28.31		HM/Tom
_	3/23/2018 3/23/2018	1880645 1880786		-	-	29.16		HM/Tom
_	3/26/2018	1000/00				29.48		Lou's Transport
_	3/26/2018	-				26.36		Lou's Transpor
	0/20/2010							
	Total:		160.26	727.75	10090.70	5154.65	36935.00	
	Less Prev Bi	lled	-105.63	-54.56	-2243.88	-1200.04	0	
			-54.63	0.00	-2734.06	-3212.42	0.00	
	Progress Billing 12/09-12/29					0.00	0.00	
	Progress Billing 12/30-02/02		0.00	0.00	-1399.41			
	Progress Billing 02/03-02/09		0.00	0.00	-546.87	0.00	0.00	
	Progress Billing 02/10-02/16		0.00	0.00	-980.76	0.00	0.00	
		Progress Billing 02/17-02/23		0.00	-310.59	0.00	0.00	
		Progress Billing 02/17-02/23 Progress Billing 02/24-03/03		0.00	0.00	0.00	-27750.00	
			0.00		-1555.04	-154.35	-9185.00	
		ling 03/04-03/13	0.00	0.00				
		ling 03/14-03/20	0,00	-480,47	-320.09	-329.15	0.00	
	Progress Bil	ling 03/21-04/06	0.00	-192,72	0.00	-258.69	0.00	
	Total			0.00	0.00	0.00	0.00	



#### **Daily Service Receipt**

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	and was	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOO 1,MI 48071 DNEWIECZ		Order #: PO #: Approval #: Waste Stream; Disposal Site: Shop Time: Site Time:	<del>HQZARDOUS</del> WAYNE DISP 06:00 AM	BOIL NOW
EQUIPMENT	Start Time	Arrive Site	Depart Site		Depart Disposal	
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM	***	
519M - EXCAVATOR	AM	_ AM PM	AM	AM	AM PM	
520M - DOZER	PM AM PM	_ AM PM	_ AM PM	AM	AM PM	AN
17 - 2017 FORD F-250				AM	AM PM	4:15 EN
528M - EXCAVATOR	7:00 PM	_ AM	_ AM	AM	ANA	
Manifest #:			Waste Qt	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM	AM	AM PM	
Tom Wichman	5:30 PM	7:00 PM	AM	41:15 PM	AM PM	10.75
Pat Blair II	6:00 PM	AM I) PM	AM	AM	AM/ PM	That
	AM PM	AM PM	AM PM	AM PM	AM PM	1001
	AM PM	AM PM	AM PM	AM	AM PM	
Suits Boots Glov						ls
Orums Hoses						
DAD DUT HAZ SOIL TO WAYNE AND < come in this me  without permission	D BACKFILL W	JITH 21aa.	47	.00 on com	pany car	d for

\$ 6 loads of 21 AA conshed concrete delivered (HM Trucks) 1/192,72 tons

\* excavated last hole to elevation 731,30

r moved stock pile of dirt (approx. 400 yards) for Hardman to have room to drill in south east corner.

a awaiting approval from SME on soil to be howled or left on site

Tarp/Bows/Caps/Fittings received in good working order

All work has been completed to my satisfaction.

ASTI Environmentar Memo Dated March Attachment Page No. 32

Shipping Log
The Pearl Birmingham, MI

Date	Load #	Manifest/Ticket #	Trucker	Truck#	AMOUINT	11.112
******		1 9	j	ī	ZIAH STONC	0.60
21118		11,000/	十二二二	77	29 yeards	ないける
	7	14106274	三三二	221	29T	8:20 FM
	2	119034	HME	721	21 RA Stoile 32 VASAS	8:35,AM
	h	1 HOLE 276	HME	751	34T	8.45,41
* 1	5	119042	HME	127	21AA56,12 33 1/9/ds	W050:21
	9)	119 043	HME	1.22	21/ABSPONE 32 vards	12;20pm
	7	119049	HME	12.7	21/94 shire 30 toil	2:00 pm
	8	L7200141	HAID HAID	721	29T	2:10/m
	6	119050	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	721	JEAR Stance 30 TON	2,15pm
	0/	14106278	IMD	1221	797	3,30gm
			NP			



#### **Daily Service Receipt**

1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	10.00	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	BOX 689856	N. OLD WOO M,MI 48071 DNEWIECZ		Order #: PO #: Approval #: Waste Stream	3/21/2018 K178055WDI HAZARDBUS ( WENASJAISE 05:00 AM 07:00 AM	<del>edi</del> no <mark>h t</mark> inc
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
122 - KENWORTH TRACTOR	6:00 PM	7,00 AM	7:15 AM	AM PM	AM PM	Al Pi
340D - 30 YARD DUMP TRAILER	AM PM AM PM	S: WO PM	AM PM 8:30 PM	AM PM 9/15 PM	AM PM	AN Ph AN Ph
Pend / Wiegands	AM PM AM PM	1/ Jaco PM	17:30 8			AN PN AN PN
Manifest #: 14106274			Waste Qty	1: 247		Arrige
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per
Tom Biscarner	6:00 PM	7:00 AM	7/15 CAM	AM PM AM	AM PM AM	(1.50
	AM PM AM	8,00 9	8'70 AM		PM AM	
	PM AM	11:00 PM	11:36		PM AM	
	PM AM	D'COM	12)30 AM	PM AM	PM AM	
	PM	1:00	1:15 00	PM	PM	
Suits Boots Glov						
Drums	eet	_ Box Liner	Mile	eage	_Fuel_89G	al
LOAD OUT HAZ SOIL TO WAXNE AN			Sulf			
Roll-off Unit# Tarp/Bo	ws/Caps/Fittings	s received in god	d working orde		(int.)	
Customer	Date	Annotated Sub	normal de la company de la com	Fren		3/2//18

Attachment Page No. 34

### HM Environmental

#### **Daily Service Receipt**

42826 N. Walnut - Mt. Clemens, MI 48043

ustomer:	Generator:			Date:		
Continued	Con	Linveil		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:		
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
Dear	AM PM	2-15 AM	2.45	3130 AM	4,00 8	5 30 PM
Trace 1	AM PM	AM PM	AM PM	AM PM	AM PM	Al Pi
	AM	AM	AM	AM PM	AM PM	Al Pi
	PM AM	PM AM	PM AM	AM	AM	AM
	PM AM	PM AM	PM AM	PM AM	PM AM	Ph An
200	PM	PM	PM	PM	PM	Pf
Manifest #: 14   66 276			Waste Qty	:291		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
Ton Bisconer	AM PM	2:15 AM	2143 PM	5:30 PM	AM PM	
10kg Vesterija	AM PM	AM PM	AM	AM PM	AM PM	
	AM	AM	AM	AM	AM	
	PM AM	PM AM	PM AM	PM AM	PM AM	
	PM AM	PM AM	PM AM	PM AM	PM AM	
	PM	PM	PM	PM	PM	
Suits Boots	Gloves	Overpacks	Lat	oels	_ Sorbent Pac	ls
Orums Hoses			Mile	eage	Fuel BGC	Tal
SPECIAL INSTRUCTIONS						
				-	-	
COMMENTS						
Contin	wed Service	te Reco	eipt			

Customer

Date Annotated Alphibrized Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 35

#### WIEGAND'S (586) 939-0840

HEREBY CERTIFY THAT AGGREGATE AS
ED MEETS SPECIFICATION REQUIREMENTS,
TED MICHIGAN SERIES AND CLASS IN QUANTITY

-		(Signature)	
) -S	76	DATE 3	-21-18
11	ME	ENVISO	MENTAL
D TO		equic	2
	BITM	WALLIN	n
OF RIAL	YARDS	AMOUNT	TOTAL
A. A	1		

33.17 TN TAX /<E/>
20.91 TN LOADED BY

3-21-18

12.26 TN 122#

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

119050 WIEGAND'S (586) 939-0840 I HEREBY CERTIFY THAT AGGREGATE AS DELIVERED MEETS SPECIFICATION REQUIREMENTS, FOR STATED MICHIGAN SERIES AND CLASS IN QUANTITY STATED. CIONSOR TYPE OF AMOUNT TOTAL YARDS MATERIAL 3-21-18 54,67 1 24 20.91 THE TARE 33.76 TN NET TRUCK NO DRIVER RECEIVED BY AN EQUAL OPPORTUNITY EMPLOYER SHIPPER'S COPY

	THE REPORT OF THE PARTY OF THE	SAND'S 139-0840	
1 HEREE	BY CERTIFY TI	HAT AGGREGA	TEAS
DELIVERED ME	ETS SPECIFIC	CATION REQUI	REMENTS,
FOR STATED M	ICHIGAN SER	IES AND CLÁS	S IN QUANTITY
STATED:	2-	(Signature)	
#50-S PIT NO.	<u>ن</u> ع در	DATE	3-21-18
SOLD TO	<u> </u>	Miller	MENTAL
DELIVERED TO		<u> </u>	NICE
	Bir	MINN	MA
TYPE OF MATERIAL	TONS OR YARDS	AMOUNT	TOTAL
21-41	129,7		
Sped	6:20	3-21-18	
50.6	2 TN		
GROSS 20.5	1 TN	TAX LOAE	DED BY
NET 29.7	1 TN		
TRUCK NO.		17_#	
DRIVER			
RECEIVED BY	EQUAL OPPOR	TUNITY EMPLO	⁄ER
	SHIPPER'S	COPY	

ARBOR HILLS I 10690 W SIX M NORTHVILLE, I 8884431717	ILE RD	1		SITE 01	CELL	TICKET # 1879859	1	OPERATO 43967	PR
004240 HM ENVIRONM 42826 NORTH CLINTON TOW	WALNUT S	40035			TRUCK M122-30	CONT	AINER	LICE	OUT
CLINTON IOW	NSI ILE, INI	TIAAC		141062	274			3/21/18 9:22 am:	3/21/18 9:22 am
CONTRACT; A	H8807 - VA	CANT LOT 856 N OLD WOODWARD AVI	GROSS TARE NET			S Scale In S Tare Out	1		
QTY	UNIT	DESCRIPTION	ORIGIN		%	RATE	TAX	TO	TAL
27,86 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	K	0.00		in a series of the second second		Page to the second
hereby certify tha	t this load do	es not contain any unauthorized hazardous waste.				1	Total Paid Chang Check		8

SIGNATURE:

Recpt #

CUSTOMER COPY

	i	
	•	

NON-HAZARDOUS WASTE MANIFEST	Generator ID Number	2	. Page 1 of 3. Em			waste II	and Han	nber 141.0627
. Generator's Name and Mail	ling Address Vacant Lot		Gener	ator's Site Addres	ss (if different t	han mailing addre	ess)	
	855 N. Old Wood	ward Ave			Sar	The C		
A 100 A	Birmingham Mi 4		1					
enerator's Phone: Transporter 1 Company Na		51675.02				U.S. EPA ID	Number	
	Hist i Introducina	I . LOG. JEGS. DWW. I		7				
Transporter 2 Company Na		I JASO TOP OUT				U.S. EPA ID	Number	
Designated Facility Name a			040 440	2004		U.S. EPA ID	Number	
	Arbor Hills Landfill W. 6 Mile Road		248-412-	0091	Pt 451	77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1.12	
7,77,77,7	ile, MI 48168				1411	(114-185-4	4.17g	is the second
acility's Phone:				10. Cont	tainers	44 Total	10 11=16	14
9. Waste Shipping Nam	ne and Description			No.	Type	11. Total Quantity	12. Unit Wt./Vol.	Y +
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	3 4			001	DI	39	1	
2. Cuntas	maini suil				10 79	Marin Company of the State of t	way.	
					200		1	
3.						27.8	0	
					1	-	1	April 1975
4.					11 -5	-15	13	
5.						154		
4					1 (8			
6.								
							12.	
marked and labeled/placa	P'S CERTIFICATION: I hereby declared reded, and are in all respects in proper control of the con	e that the contents of this condition for transport accord	ling to applicable in	and accurately de ernational and na	escribed above ational govern	e by the proper si	nipping names.	
enerator's/Offeror's Printed/	20	of friends	Signature	1	which will be the state of the state of	and the state of t		Month Day
5. International Shipments				E				and a second
ransporter Signature (for exp	Import to U.S.		Export from U.S.		entry/exit: aving U.S.:			
Transporter Acknowledgm				<i>- 2410 160</i>		AND ASSESSED.		
ansporter 1 Printed/Typed N	lame		Signature	The second second second	The state of the s	- Bush	Charles and the same	Month Day
-Tom Bisco			CONTRACTOR OF THE PARTY	Secretary Wast Charles Sec.	Committee Commit		Commission of the Commission o	= 3 21
ansporter 2 Printed/Typed N	lame		Signature					Month Day
		-						
<ol> <li>Discrepancy</li> <li>Discrepancy Indication S</li> </ol>	Snace C				_			
a. Discrepancy indication S	Quantity	Туре		Residue		Partial Re	jection	Full Rejection
			M	enifest Reference	Number:			
7b. Alternate Facility (or Gen	ierator)		M	anifest Reference	Number:	U.S. EPA ID	Number	
7b. Alternate Facility (or Gen	ierator)		M	anifest Reference	Number:	U.S. EPA ID	Number	
	nerator)		М	anifest Reference	Number:	U.S. EPA ID	Number	
acility's Phone:			M	anifest Reference	Number:	U.S. EPA ID	Number	Month Day
acility's Phone:			M	anifest Reference	Number:	U.S. EPA ID	Number	Month Day
acility's Phone:			M	anifest Reference	Number:	U.S. EPA ID	Number	Month Day
acility's Phone:			M	anifest Reference	Number:	U.S. EPA ID	Number	Month Day 1
acility's Phone: 7c. Signature of Alternate Fa	acility (or Generator)	matarials owared by the	L		Number:	U.S. EPA ID	Number	Month Day 1
17b. Alternate Facility (or Gen Facility's Phone: 17c. Signature of Alternate Fa 18. Desiganted Facility Owne Printed/Typed Name	acility (or Generator)	materials covered by the ma	L		Number:	U.S. EPA ID	Number	Month Day  Month Day  Month Day

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

INVOICE INBOUND

SITE	CELL	TICKE	Γ#	OPERATO	2
01	13 11	18800	083	3 40219	
	TRUCK		CONTAINER	LICEN	SE
Н	M122-30	1 10			
	R	EFERENCE		IN	OUT
14106	278			3/21/18 3:26 pm	3/21/18 3:26 pn

ONTRACT: AH8807 - VACANT LOT 856 N OLD WOODWARD AVE BOL:		GROSS TARE NET	97,220.00LBS 42,120.00LBS 55,100.00 LB			
UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00			
	UNIT	UNIT DESCRIPTION  TN Contaminated Soils (Ext)	UNIT         DESCRIPTION         ORIGIN           TN         Contaminated Soils (Ext)         OA	UNIT DESCRIPTION ORIGIN %  TN Contaminated Soils (Ext) OA 100.00	UNIT DESCRIPTION ORIGIN % RATE  TN Contaminated Soils (Ext) OA 100.00	VARE   42,120,00LBS   Tale Out

Total Paid

I hereby certify that this load does not contain any unauthorized hazardous waste.

Change Check# Recpt #

SIGNATURE:

**CUSTOMER COPY** 

1	NON-HAZARDOUS WASTE MANIFEST	Generator ID Number	2. Page	1 of 3. Emergency Respons		4. Waste 1	fracking Nur	14106278
	5. Generator's Name and Mai	ling Address		Generator's Site Address	ss (if different th	nan mailing add	ress)	
	1	856 M. Old Woods	ward Ave		Sar	ne		
	a constant	Rirmingham Mi 41		Y				7
	Generator's Phone: 6. Transporter 1 Company Na		North Carlot			U.S. EPA ID	Number	
	o. transporter i Company Na	liki tivirahmenta	1 s.or. and made			1		-5-
	7. Transporter 2 Company Na		1 - 2011-402-1061			U.S. EPA ID	Number	
			*			177		
	8. Designated Facility Name a	and Site Address		20.52.422		U.S. EPA ID	Number	
	10690 Northy	Arbor Hills Landfill W. 6 Mile Road ille, MI 48168	24	18-412-0691	MH	KI14-135	-416	
	Facility's Phone:			10. Con	ntainers	11, Total	12, Unit	
	9. Waste Shipping Nan	ne and Description		No.	Type	Quantity	Wt./Vol.	
TOR -	1.	and the second second		001	OT	29	T	
GENERATOR	2. 6.5.1311.42	\$18938134CCA 34234						A The state of the
1 6	3,		P	÷ +				
	4.					164		
	5.					-		
	6.				+			
						4	-	
	14. GENERATOR'S/OFFERO marked and labeled/placa Generator's/Offeror's Printed/	DR'S CERTIFICATION: I hereby declare trded, and are in all respects in proper co	ndition for transport according to a	pplicable international and n Signature	lescribed above national governm	by the proper smental regulation	shipping nam	. Month Day Year
*		ann ligen-	& brown		4	Selection of the select		13/21/18
INT'L	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Import to U.S.		rom U.S. Port of	entry/exit: aving U.S.:			
-		nent of Receipt of Materials			and the same			4.4.4.4
JRT	Transporter 1 Printed/Typed I			Signature		and the second second	>	Month Day Year
ISPC	TOM IS	carnes	,	Cionatura	11 Table	Section of the sectio		Month Day Year
TRANSPORTER	Transporter 2 Printed/Typed	Name		Signature	Ÿ			MOINT Day Toda
4	17. Discrepancy							
	17a. Discrepancy Indication S	Space Quantity	Туре	Residue		Partial R	ejection	Full Rejection
1	17h Alternata Carilli (as Car	ografori.		Manifest Reference	e Number:	U.S. EPA II	) Number	
SILITY	17b. Alternate Facility (or Ger	lerator)			4	ومر ا		7
FAC	Facility's Phone:				×	11/1/	14	1//
NATED	17c. Signature of Alternate Fa	acility (or Generator)				K	XU	Month Day Year
- DESIGNATED FACILITY	45.						( )	
	18. Desiganted Facility Owner	er or Operator: Certification of receipt of n	materials covered by the manifest e			1	-1	72 W 2 V
V	Printed/Typed Name			Signature		N	1	Month Day Year

Annotated Submittal
Attachment to ASTI Environmental Memo Dated March 25, 2021



#### **Daily Service Receipt**

1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	la su casalci.	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOOD ,MI 48071 – NEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site:	3/21/2018 K178055WDI H <del>MZARDOUS</del> S WAYNE DISPO 06:00 AM 07:00 AM	GOIL NON 1 DSAL, INC
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
341D - 30 YARD DUMP TRAILER	60 CAN	700 AM	AM PM	AM PM	330 AM	530 AM
127 - KENWORTH TRACTOR	AM PM	AM PM	AM PM	AM PM	AM PM	AN PN
	AM PM	AM PM	AM PM	AM PM	AM PM	AN PN
	AM PM	AM	AM PM	AM	AM PM	AN
	AM	PM AM	AM	PM AM	AM	PN AN
14/06276 Manifest #: 14/06277	PM	PM	Waste Qty	1: 29 T	× 2	PN
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per
Paul Timmreck	AM PM	700 AM	AM PM	5.30 AM	AM PM	(11.50)
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM	AM	AM	AM	AM	
	PM AM	PM AM	PM AM	PM AM	PM AM	
	PM AM	PM AM	PM AM	PM AM	PM AM	
	PM	PM	PM	PM	PM	
Suits Boots Glo	ves	Overpacks	Lab	els	Sorbent Pad	s
Orums Hoses	Feet	Box Liner	Mile	age	_Fuel	33
COMMENTS Hawled (3)			WE			
(2) Lonos	to ADVAU	ica				

All work has been completed to my satisfaction.

Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 42

Date

WIEGAND'S (586) 939-0840

**EREBY CERTIFY THAT AGGREGATE AS** 

DIMEETS SPECIFICATION REQUIREMENTS.

ED MICHIGAN SERIES AND CLASS IN QUANTITY

TONS OR **AMOUNT** TOTAL YARDS 11254 3-21-19

La41 TN

44 7 25

1

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

WIEGAND'S (586) 939-0840

I HEREBY CERTIFY THAT AGGREGATE AS

DELIVERED MEETS SPECIFICATION REQUIREMENTS,

FOR STATED MICHIGAN SERIES AND CLASS IN QUANTITY

STATED.

SOLD TO

DELIVERED TO

AM

TONS OR YARDS TYPE OF AMOUNT TOTAL MATERIAL 33.71 10:25 3-21-18

54.14 TA

20.44 TM

LOADED BY

33.70 NET

TRUCK NO.

1.

TN

DRIVER

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

		GAND'S 939-0840	
1 HEREE		HAT AGGREGA	TE AS
DELIVERED ME			
FOR STATED MI		The second secon	
AV ALL STORY IN THE STORY	en	(Signature)	
# 50-E PITNO.	36	DATE	-21-18
SOLD TO H	ME	NVior	MeNTAL
DELIVERED TO		Service	
- (2)	(M)	MANU	
TYPE OF MATERIAL	CONSOR YARDS	AMOUNT	TOTAL
21-121	32.38	2	
Spec	6:28	3-21-18	
GROSS 52 7 TARE 20 4 NET 32 3 TRUCK NO: DRIVER RECEIVED BY	4 TN 2 }M	TAX LOAD	NCE NV DED BY
Au V	EUIDDED'S		EIX.

ARBOR HILLS LANDFILL 10690 W SIX MILE RD **OPERATOR** TICKET # SITE CELL NORTHVILLE, MI 48168 8884431717 1879870 43967 01 CONTAINER LICENSE TRUCK 004240 HM127-30 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST OUT IN REFERENCE CLINTON TOWNSHIP, MI 48036 INVOICE 3/21/18 3/21/18 14106276 INBOUND 9:40 am 9:40 am **GROSS** 103,920.00LBS Scale In CONTRACT; AH8807 - VACANT LOT 856 N OLD WOODWARD AVI 40,940,00LBS Tare Out 62,980,00 LBS TARE BOL: TAX TOTAL ORIGIN % RATE DESCRIPTION QTY UNIT WY 100.00 Contaminated Soils (Ext) 31.49 TN 0.00 COMPLIANCE AND BUSINESS IMPACT CHAR 1.00 Total Paid

I hereby certify that this load does not contain any unauthorized hazardous waste.

Recpt #
CUSTOMER COPY

Change Check#

SIGNATURE:

	_	
_		

WASTE MANIFEST	Generator ID Number			Emergency Respon		4. Waste I	Hacking Hui	141062
. Generator's Name and Maili	ing Address and Lot			Generator's Site Addre	ss (if different t	han mailing addr	ress)	
	856 N. Old Woo	dward Ave			Sai	me		
	Birmingham Mi	ARONO						
Generator's Phone:	232 595 555			15.		U.S. EPA ID	Number	
3. Transporter 1 Company Nar	IM I hylrotylnun		TAR E	# 127		0,0, 2,71	Number.	
7. Transporter 2 Company Nar		Will Don wor wa	1.00 I	and I wast I		U.S. EPA ID	Number	
. Iransporter z Company rea	ne					1	Number	
Designated Facility Name ar	nd Site Address					U.S. EPA ID	Number	
ADS / A 10690 V Northvi	Arbor Hills Landfill V. 6 Mile Road Ile, MI 48168		248-	412-0691	\$viii	(114-185-	416	
Facility's Phone:	- N. C. O. C.			10, Cor	ntainers	11. Total	12. Unit	
9. Waste Shipping Nam	e and Description			No.	Туре	Quantity	Wt./Vol.	
201,						~~	_	
Contar	ninated soil			001	DT	29	17	1. 重要的 [1] The
2.	(4)11/02/14/14		-0.			-		
51 5					1		1/-	
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5.				- 1	1 7	KTO	A Jim	
				to a		1 60	A C	
6.							-	
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	ons and Additional Information	2007 515						
14. GENERATOR'S/OFFERO marked and labeled/placar	R'S CERTIFICATION: I hereby decreded, and are in all respects in prope	lare that the contents of this	ccording to applic	able international and n	lescribed aboviational govern	e by the proper s	shipping name	
14. GENERATOR'S/OFFERO marked and labeled/placar	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name	lare that the contents of this	ccording to applic	able international and n	lescribed abovi	e by the proper s	shipping name	e, and are classified, packag
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/1	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name	lare that the contents of this	Sig	able international and n	national govern	e by the proper s	shipping name	Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/1	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name	lare that the contents of this	coording to applic	able international and nature  J.S. Port of	lescribed above national govern entry/exit:	e by the proper s mental regulation	shipping namo	Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. ports only): lent of Receipt of Materials	lare that the contents of this	Sign Export from U	able international and mature  J.S. Port of Date le	entry/exit:	e by the proper s mental regulation	shipping name	Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. ports only): lent of Receipt of Materials	lare that the contents of this	Sign Export from U	able international and nature  J.S. Port of	entry/exit:	e by the proper s	shipping name	Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. ports only): lent of Receipt of Materials	lare that the contents of this	Export from U	able international and nature  J.S. Port of Date le	entry/exit:	e by the proper s	shipping name	Month Day    3   2      Month Day    3   2
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/I 15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N	R'S CERTIFICATION: I hereby decreded, and are in all respects in property of the management of the man	lare that the contents of this	Export from U	able international and mature  J.S. Port of Date le	entry/exit:	e by the proper s	shipping name	Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/I 15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N	R'S CERTIFICATION: I hereby decreded, and are in all respects in property of the management of the man	lare that the contents of this	Export from U	able international and nature  J.S. Port of Date le	entry/exit:	e by the proper smental regulation	shipping nami	Month Day    3   2      Month Day    3   2
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp 16. Transporter 1 Printed/Typed N 17 Transporter 2 Printed/Typed N 18 Transporter 2 Printed/Typed N 19 Transporter 3 Printed/T	R'S CERTIFICATION: I hereby decreded, and are in all respects in property of the management of the man	lare that the contents of this	Export from U	able international and nature  J.S. Port of Date le	entry/exit:	e by the proper s	shipping name	Month Day    3   2      Month Day    3   2
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp 16. Transporter 1 Printed/Typed N 17. Discrepancy	R'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. Import of Receipt of Materials lame	lare that the contents of this	Export from U	able international and nature  J.S. Port of Date le	entry/exit:	e by the proper smental regulation	ns.	Month Day    3   2      Month Day    3   2
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N 17. Discrepancy	R'S CERTIFICATION: I hereby decreded, and are in all respects in property in the property of the property in the property of Materials larme	lare that the contents of this er condition for transport ac	Export from U	J.S. Port of Date le	entry/exit:aving U.S.:	Partial R	ejection	Month Day  Month Day  Month Day  Month Day
14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N	R'S CERTIFICATION: I hereby decreded, and are in all respects in property of the control of the	lare that the contents of this er condition for transport ac	Export from U	able international and mature  J.S. Port of Date le	entry/exit:aving U.S.:	mental regulation	ejection	Month Day  Month Day  Month Day  Month Day
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14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/I 15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N 17. Discrepancy 17a. Discrepancy 17b. Alternate Facility (or General III) 17b. Alternate Facility (or General III) 17c. Facility's Phone:	IR'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. ports only): pent of Receipt of Materials lame  Space Quantity	lare that the contents of this er condition for transport ac	Export from U	able international and mature  J.S. Port of Date le	entry/exit:aving U.S.:	Partial R	ejection	Month Day  Month Day  Month Day  Month Day
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14. GENERATOR'S/OFFERO marked and labeled/placar Generator's/Offeror's Printed/I 15. International Shipments Transporter Signature (for exp 16. Transporter Acknowledgm Transporter 1 Printed/Typed N 17. Discrepancy 17a. Discrepancy Indication S 17b. Alternate Facility (or General III) 17c. Signature of Alternate Facility's Phone: 17c. Signature of Alternate Facility (or Signature of Alternate Facility)	IR'S CERTIFICATION: I hereby decreded, and are in all respects in propertyped Name Import to U.S. ports only): pent of Receipt of Materials lame  Space Quantity	lare that the contents of this or condition for transport ac	Export from U	able international and nature  J.S. Port of Date le	entry/exit:aving U.S.:	Partial R	ejection	Month Day    3 2      Month Day    3 2      Month Day

Annotated Submittal
Attachment to ASTI Environmental Memo Dated March 25, 2021
RETURNATORA

ARBOR HILLS L 0690 W SIX M NORTHVILLE, N 1884431717	ILE RD	1		SITE 01	CELL		CET #	1	OPERATO 43967	)R
04240 M ENVIRONM	ENTAL (AT	•			TRUCK M127-30	- 75	CONTAI	VER :	LICE	NSE .
2826 NORTH LINTON TOW	WALNUT ST	48036 INVO		141062		EFERENC	Œ	100	IN 3/21/18 3:05 pm:	OUT 3/21/18 3:05 pr
ONTRACT; A	H8807 - VA	CANT LOT 856 N OLD WOODWARD AVI	GROSS TARE NET		,280.00LB ,940.00LB ,340.00 LB			10.00		
QTY :	UNIT	DESCRIPTION	ORIGIN		%	RATE		TAX	TO	TAL
29.17	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	WY		0.00			est a ( a ) e sua est para es en es est a con est es este est.		1
reby certify tha	4	es not contain any unauthorized hazardous waste.				00		Total Paid Chan Check Recpt	<b>&lt;#</b>	COPY

145

1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3.	Emergency Respons	e Phone	4. Waste Tr	acking Nu	mber
П	5. Generator's Name and Mai	ling Address	Ge	enerator's Site Addres	s (if different t	han malling addre	ess)	
		856 N. Old Woodwan Birmingham MI 48009			162	me		
	Generator's Phone: 6. Transporter 1 Company Na					U.S. EPA ID N	Number	
		TiM I nulronmental -53	26-469-11041	_		U.S. EPA IÓ N	lumbar	
8	7. Transporter 2 Company Na	ime				0,3, EFA10)	vumber	
	8, Designated Facility Name a		200.44	0.0004		U.S. EPA ID N	Number	
	10690 Northy	Arbor Hills Landfill W. 6 Mile Road ille, MI 48168	248-41	2-0691	MI	(114-185-4	116	Ī
	Facility's Phone:  9. Waste Shipping Nar	ne and Description		10, Conta	ainers Type	11. Total Quantity	12. Unit Wt./Vol.	
1 25	77. <b>1.</b> 2. 1. 2.			100	DT	29	-	
GENERALOR	2. Conta	minaicu suil			21	Age	in the same	
1 5	3.				1	Mi	7	
	4.				1	() 1-1.	1	
	5.					741	5	
	6.					10.0		
П	6.							
-	marked and labeled/placa Generator's/Offeror's Printed/	4	for transport according to applicable Signate	e international and nat	scribed above tional governr	mental regulations	ipping nam	Month Day Year
IN L	15. International Shipments Transporter Signature (for exp	Import to U.S.	Export from U.S.		ntry/exit:		-	)
TRANSPORTER	16. Transporter Acknowledgm Transporter 1)Printed/Typed N Transporter 2 Printed/Typed N	Vame // massage for	Signati Signati	Must	2	The state of the s	7	Month Day Year    5   2     8    Month Day Year
4	17. Discrepancy					- X		
	17a. Discrepancy Indication S	Space Quantity	Туре	Residue		Partial Rej	ection	Full Rejection
1	17b. Alternate Facility (or Ger	nerator)		Manifest Reference I	Number:	U.S, EPA ID 1	Number	
ACIL.					Ÿ.	T		
ALED P	Facility's Phone: 17c. Signature of Alternate Fa	acility (or Generator)						Month Day Year
— DESIGNATED FACILITY	7 - 2				1γ	18	10	0/1
	The same of the sa	r or Operator: Certification of receipt of material		2000				
*	Printed/Typed Name		Signat	ure				Month Day Year

Annotated Submittal

Attachment to ASTI Environmental Memo Dated March 25, 2021

TRANSPORAGENREBAIN



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

	Services,	Inc
Customer:		Ger
ELO DEDE	TOTTED ILO	7115

nerator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304

THE PEARL BLDG BOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 -JAMIE ANTONEWIECZ

810-734-0975

Date: Order #:

3/22/2018

PO #:

Approval #: M1687-181106-AH8807-515

Waste Stream: NON HAZARDOUS SOIL Disposal Site: ADVANCED DISPOSAL

Shop Time: 06:00 AM Site Time: 07:00 AM

EQUIPMENT	Start Time	Arri		Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 P	M	AM PM	AM PM	AM PM	AM PM	3:30 P
519M - EXCAVATOR	A	M _	AM PM	AM PM	AM PM	AM PM	I A
520M - DOZER		M M	AM PM	AM PM	AM PM	AM PM	I AI
17 - 2017 FORD F-250	6:00 P	7:00	(AM) PM	3;30 AM	AM PM	AM PM	4:45 8
528M - EXCAVATOR	A	M PM	AM PM	AM PM	AM PM	AM PM	3.30 P

#### Manifest #:

248-680-1401

#### Waste Qty:

SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
-	AM PM	AM	AM	AM PM	AM PM	
	(AM)	ZIOO PM	PM AM	AM	AM	1125
Tom Wichman	5,130 PM	/(OO PM	3130 PM	M:45 EM	PM- AM	1
Pat Blair II	6;00 PM	[ PM	ll PM	II PM	RM	10:13
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM	AM	AM	AM	AM	
	PM	PM	PM	PM	PM	

Suits_	Boots	Gloves	Overpacks	Labels	Sorbent Pa	as
Drums	Hoses	Feet	Box Liner	Mileage	Fuel	_/
MORK	WITH HARTMAN T	o MOVE STOCKPILED	NON HAZ TO AN AR	the first contract of the cont	company ca parking LOADED OUT.	rd for
COMM	IFNTS					

COMMENTS
----------

Roll-off Unit#

Customer

- a continued to move stock pile of soil out of Hardman's way, awaiting direction on what to do with soil
- & excavated last additional depth hole for pyle craps to elevation 731,30

Tarp/Bows/Caps/Fittings received in good working order

- 10 moved Mats for Hardman
- + cleaned up soil piles from drilling

All work has been completed to my satisfaction.

Attachment of ASTI Environmental Memo Bated Warch 25 Attachment Page No. 49



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Generator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 THE PEARL BLDG BOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 — JAMIE ANTONEWIECZ

810-734-0975

Date: Order #:

3/23/2018

PO #:

Approval #: M1687-181106-AH8807-515
Waste Stream: NON HAZARDOUS SOIL

Disposal Site: ADVANCED DISPOSAL

Shop Time: 06:00 AM Site Time: 07:00 AM

EQUIPMENT	Star		Arriv Site		Depa Site		Arrive Disposal	Depart Disposal	Finis Time	
515 M - BOB CAT	7:00	PM		AM PM	-	AM PM	AM PM	AM PM	3:30	AN
519M - EXCAVATOR	10	AM PM	~	AM PM	-	AM PM	AM PM	AM PM	Ti.	AN PN
520M - DOZER	111	AM PM	(4)	AM PM	-	AM PM	AM PM	AM PM	41	AN PN
17 - 2017 FORD F-250	6:00	AM	7:00	AM) PM	3130	AM PM	AM PM	AM PM	3:45	AN PN AN PN
528M - EXCAVATOR	7:00	AM) PM		AM PM		AM PM	AM PM	AM PM	2.30	AN (PN

#### Manifest #:

Customer:

248-680-1401

#### Waste Qty:

SITE PERSONNEL	Star Tim		Arrive Site	9	Depa Site		Finisi Time		Air Time	Per Diem
		AM PM		AM PM		AM PM		AM PM	AM PM-	
Tom Wichman	6:00	(AM) PM	7:00	AM PM	Z:30	AM (PM)	3:45	AM EM	AM PML	975
Pat Blair II	11	AM PM	li	AM PM	11	AM PM	3:15	AM (PM)	AM PM	9.25
100000000000000000000000000000000000000		AM PM		AM PM		AM PM		AM PM	AM PM	
		AM PM		AM PM		AM PM		AM PM	AM PM	

Suits	Boots	Gloves	Overpacks	Labels	Sorbent Pads	
Drums	Hoses	Feet	Box Liner	Mileage	Fuel	

\$ 7.00 on company card for parking

GATHER AND LOAD OUT NON HAZ SOILS

#### COMMENTS

- + loaded 3 loads of non-haz soil (HM Trucks) 86.78 toms
- \* continued to more stock pile of soil out of Hardmans way
- & moved Mats for Handmans
- \* cleaned up soil piles from drilling

Roll-off Unit# \_\_\_\_\_ Tarp/Bows/Caps/Fittings received in good working order \_\_\_\_\_ (int.)

All work has been completed to my satisfaction.



Customer

# **Daily Service Receipt**

1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	12 (2.12 etc.) 5 h		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	the street of the same of the same of the same of	N. OLD WOO M,MI 48071 DNEWIECZ		Order #:  PO #: Approval #: M1687-181106-AH88 Waste Stream: NON HAZARDOUS SOI Disposal Site: ADVANCED DISPOSAL Shop Time: Ø6:00 AM Site Time: Ø7:00 AM			
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time	
122 - KENWORTH TRACTOR	6:00 PM	7,00 PM		8:30 PM		AM PM	
340D - 30 YARD DUMP TRAILER	C ) AM PM AM	( ) AM PM	C S PM	C > AM PM	( ) AM PM	AM PM	
	PM AM	12:45 部		2115 8			
	PM AM	12-90 PM AM	1/00 PM	AM	AM	AM AM	
Manifest #: 14106279/1410638	0/14106		Waste Qty	1:29T	PM	PM	
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem	
Tom Biscarner	Gie PM	7100 AM	7/20 PM		AM PM	11.50	
Tom Descention	AM PM	10',00 AM	10:15 AM	AM PM	AM PM	1110	
	AM PM	12:45 AM	Los AM	530		4	
	AM PM	AM PM	AM PM	AM PM	AM PM		
	AM PM	AM PM	AM PM	AM PM	AM PM		
Suits Boots Glov						ls	
Drums Hoses F						/	
SHUTTLE LOADS OF NON HAZ SOIL							
COMMENTS Shuttle Loud.	by MIO	n litare : traffocwas	stopped for	Advancas Almost L	15 min	100	
		s received in goo	od working order		(int.)		
All work has been completed to my satisf	action.					- 11-	

Attachment to ASTI Environmental Memo Bated Warch 25, 2021

Attachment Page No. 51

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

1

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

INVOICE INBOUND

		TARE	58,620.00 LB	S Tale Out		
UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00		,	1-
		TN Contaminated Soils (Ext)	UNIT DESCRIPTION ORIGIN TN Contaminated Soils (Ext) OA	UNIT DESCRIPTION ORIGIN %  TN Contaminated Soils (Ext) OA 100.00	UNIT         DESCRIPTION         ORIGIN         %         RATE           TN         Contaminated Soils (Ext)         OA         100.00	UNIT DESCRIPTION ORIGIN % RATE TAX  TN Contaminated Soils (Ext) OA 100.00

I hereby certify that this load does not contain any unauthorized hazardous waste.

Change
Check#

**CUSTOMER COPY** 

Recpt #

OUT

3/23/18

8:24 am

SIGNATURE:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3. I	mergency Respon	nse Phone	4. Waste	Tracking Nu	mber
5. Generator's Name and Mai			nerator's Site Addre			ress)	
Considering Disease	856 M. Old Woodwar Birmingham MI 4800			San	ne .		
Generator's Phone: 6. Transporter 1 Company Na	me 245 530 1401			1 ×	U.S. EPA ID	Number	
7. Transporter 2 Company Na	ing indication of the second second	\$0~30分战141			U.S. EPA ID	Number	
Designated Facility Name a	and Site Address	Υ.			U.S. EPA ID	Number	
ADS / A 10690 \	Arbor Hills Landfill N. 6 Mile Road ille, MI 48168	248-412	2-0691	MIK	114-185-	416	
9. Waste Shipping Nan	ne and Description		10. Co	ntainers	11. Total Quantity	12. Unit	
1.		171		Type	29	-1-1	
2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	and the second of the second o		(0)	P		1 1	
3.					-	S	
4.	ik		1				
5.				Sec	*C *	. = 04	-
		<u> </u>				1	
6.						- X.I	# #
marked and labeled/placa Generator's/Offeror's Printed/		on for transport according to applicable Signature	international and r	described above national governr	by the proper s	hipping name	e, and are classified, packaged,  Month Day Ye
15. International Shipments	□ Import to U.S.	Export from U.S.	Port of	entry/exit:			1 2 103 12
Transporter Signature (for exp	ports only):	Export non 0.5.		aving U.S.:			\$ form
16. Transporter Acknowledgm Transporter 1 Printed/Typed N		Signatur	е	Constitution Contraction of the			Month Day Ye
-10 m 3:31		and the state of t		The state of the s	The second second second	The same	- 3 37 18
Transporter 2 Printed/Typed N	lame	Signatu	e				Month Day Ye
17. Discrepancy							
17a. Discrepancy Indication S	pace Quantity	Туре	Residue  Manifest Reference	e Number:	Partial Re	ejection	Full Rejection
17b. Alternate Facility (or Gen	erator)				U.S. EPA ID	Number	
Facility's Phone:		77		1	the s	1.	22
17c. Signature of Alternate Fa	cility (or Generator)	110		15	8 80	1)	Month Day Yo
				f ,\$			
18. Desiganted Facility Owner Printed/Typed Name	r or Operator: Certification of receipt of mater	ials covered by the manifest except as r Signatu			,	1/	Month Day Yo
rrinted/typed Name		Signatu	0		1	</td <td>1272</td>	1272

Annotated Submittal
Attachment to ASTI Environmental Memo Dated March 25, 2021
TRANSPORAGENRISTAIN

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

1

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

INVOICE INBOUND

SITE	CELL	TICKET #		OPERATO	OR
01		1880645		40219	
_	TRUCK M122-30	CONTA	INER	LICE	NSE
	R	EFERENCE		IN	OUT
14106	280			3/23/18 11:06 am	3/23/18 11:06 an

NTRACT; /	AH8807 - VA	CANT LOT 856 N OLD WOODWARD AVE	GROSS TARE NET	98,740.00LBS 42,120.00LBS 56,620.00 LB			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
28.31 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00			
-	-	1	1			Total	

Paid Change

Check# Recpt #

**CUSTOMER COPY** 

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE:

1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Respon		4. Waste 1	Tracking Nu	14106280
	5. Generator's Name and Mai	line Addressant Lot 856 M. Old Woodwa Birmingham MI 480		Generator's Site Addre	ss (if different t	nan manning addi	ress)	
	Generator's Phone: 6. Transporter 1 Company Na	me X48 030 ISUL	LOW ACES PAIR ! S			U.S. EPA ID	Number	
	7. Transporter 2 Company Na		200.402.fc4 (			U.S. EPA ID	Number	
	Designated Facility Name a	and Site Address				U.S. EPA ID	Number	
	ADS / A 10690 V	Arbor Hills Landfill W. 6 Mile Road ille, MI 48168	248-	412-0691	MI	114-18;-	416	Section 2
1	9. Waste Shipping Nar	ne and Description		10. Cor	-	11. Total Quantity	12. Unit Wt./Vol.	N. Control of the con
1	(4) (1.			No.	Туре		Will Vol.	
GENERATOR	Conta	telegraph tail		001	IJT	29	17	
SENE	1 P <sub>1</sub> (1)							
Ĭ	3.							
	4.	= 1						
	5.		*					
	6.	i i	Ser f	(c. 3				
	14. GENERATOR'S/OFFERC	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condi- Typed Name	t the contents of this consignment a tion for transport according to appli	are fully and accurately of cable international and right	described above national government	a by the proper s	shipping nam	ne, and are classified, packaged,  Month Day Year
¥ 7.	15. International Shipments	Import to U.S.	Export from	U.S. Port of	entry/exit:			2 00 10
Z	Transporter Signature (for ex 16. Transporter Acknowledge	ports only).		Date le	aving U.S.:			· ·
TRANSPORTER INT'	Transporter 1 Printed/Typed I	Name :	ne frances		A CONTRACTOR OF THE PARTY OF TH	and and the	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	Month Day Year    3   23   /8    Month Day Year
TRAN	Transporter 2 Printed/Typed I	Name	5(	gnature				World Day Tour
1	17. Discrepancy 17a. Discrepancy Indication 8	Space Quantity	Туре	Residue		Partial R	ejection	Full Rejection
ACILITY —	17b. Alternate Facility (or Gel	nerator)		Manifest Reference	e Number:	DI, Ŝ. EPAJIC	Number	45
DESIGNATED FACILITY	17c. Signature of Alternate F	acility (or Generator)			16	1 ()(	**	/ Month Day Year
DESIG —	1000				/	1)		
	18. Desiganted Facility Owner Printed/Typed Name	er or Operator: Certification of receipt of materials		of as noted in Item 17a	1		0	Month Day Year

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 SITE CELL TICKET # **OPERATOR** 8884431717 1880786 01 43967 TRUCK CONTAINER LICENSE 004240 HM122-30 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST REFERENCE IN OUT: CLINTON TOWNSHIP, MT 48036 INVOICE 3/23/18 3/23/18 14106281 INBOUND 2:20 pm 2:20 pm **GROSS** 100,440.00LBS Scale In CONTRACT: AH8807 - VACANT LOT 856 N OLD WOODWARD AVI TARE NET 42,120.00LBS Tare Out 58,320.00 LBS BOL: QTY UNIT DESCRIPTION ORIGIN % RATE TAX TOTAL 29.16 TN Contaminated Soils (Ext) OA 100.00 1.00 COMPLIANCE AND BUSINESS IMPACT CHAR 0.00 Total Paid I hereby certify that this load does not contain any unauthorized hazardous waste. Change

Check# Recpt #

SIGNATURE:

CUSTOMER COPY



NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Respons		4. Waste T		mber
5. Generator's Name and Mai	iling Address		Generator's Site Addres	ss (if different ti	han mailing addr	ess)	,
	856 H. Old Woods Birmingham MI 48	1,100		491	ne.		
Generator's Phone: 6. Transporter 1 Company Na					U.S. EPA ID	Number	
7. Transporter 2 Company Na		700 703 001			U.S. EPA ID	Number	
10690 Northy	and Site Address Arbor Hills Landfill W. 6 Mile Road ille, MI 48168	248-	412-0691	MIK	U.S. EPA ID		
Facility's Phone:	200, 400 100 100 1		10, Con	tainers	11, Total	12. Unit	
9. Waste Shipping Nar	me and Description	1	No.	Туре	Quantity	Wt./Vol.	* * * * * * * * * * * * * * * * * * *
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2.0						_	
14. GENERATOR'S/OFFERO	OR'S CERTIFICATION: I hereby declare arded, and are in all respects in proper or	that the contents of this consignment a	re fully and accurately decable international and n	escribed above	by the proper s	hipping nan	ne, and are classified, packaged,
Generator's/Offeror's Printed/		4)	nature	7	The state of the state of the state of the state of	est.	Month Day Year
The same of the sa	Import to U.S.	Export from	U.S. Port of	entry/exit: aving U.S.:			
Transporter Signature (for exp 16. Transporter Acknowledge			Data las	arring O.O.			
Transporter 1 Printed/Typed N		Sig	nature.	- Arian - C		400	Month Day Year
Transporter 2 Printed/Typed N	Name	Sig	nature	in magazine malemaning		- ACTION OF THE PARTY OF THE PA	Month Day Year
17. Discrepancy			-				
17a. Discrepancy Indication S	Space Quantity	Type	Residue  Manifest Reference	e Number:	Partial Re	ejection	Full Rejection
17b. Alternate Facility (or Ger	nerator)			7.1122 213	U.S. EPA ID	Number	
Facility's Phone:				*			March March 24
17c. Signature of Alternate Fa	acility (or Generator)					(	Month Day Year
		and also account of the Man	t on polari in New 17c	\ /	$/\sqrt{\langle}$	XI	786
18. Desiganted Facility Owner Printed/Typed Name	er or Operator: Certification of receipt of		gnature \	1			Month Day Year
, post ramo		Appeteted					12/2/8

Annotated Supmittal
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Table No. 1577 AIN



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

-				
1 20	IST	٦r	n	ar.

248-680-1401

Generator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304

Gloves

THE PEARL BLDG DOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 -

JAMIE ANTONEWIECZ 810-734-0975

Date: Order #:

3/26/2018

PO #:

Approval #: M1687-181106-AH8807-515

Sorbent Pads

Fuel

Waste Stream: NON HAZARDOUS SOIL Disposal Site: ADVANCED DISPOSAL

Shop Time: 06:00 AM Site Time: 07:00 AM

EQUIPMENT	Start Time	Arrive Site		Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7100 PI	- i	AM PM	AM PM	AM PM	AM PM	3:00 (PM
519M - EXCAVATOR	II PI	VI	AM PM	AM PM	AM PM	AM PM	i PM
520M - DOZER	Al Pi		AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	6:00 P	7:00	AM)	3.00 (PM)	AM PM	AM PM	3:45 PM
528M - EXCAVATOR	7:00 PI	S - 1	AM PM	AM PM	AM PM	AM PM	3 00 PM

#### Manifest #:

Suits

#### Waste Qty:

Labels

Mileage

SITE PERSONNEL	Star		Arriv Site		Depa Site		Finisi Time		Air Time	Per Diem
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Overpacks

Roy Liner

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*	moved sto	loads of non ck pile of soil North east sid nane is still o	l to vamp (fo le of excaval	rbuse for ram	2)	
N	need to cut Hardman's	- more clirto cranc is in t	f burm alone the way	I viver ton p	yle caps but	
Roll-off Unit#		Tarp/Bows/Caps/Fitting	s received in good wo	rking order	(int.)	

All work has been completed to my satisfaction.

**Boots** 

Date Annotated Suprillated Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021 Attachment Page No. 58

1

NAME OF CARRIER LOU'S TRANSPORT INC. 1780 E. Highwood Pontiac, MI 48340 Phone: (248) 332-5687 Fax: (248) 334-9566 MATERIAL PIT TICKET NO. C Soil 1410628 TRUCK NO. O \$7 17-1592 CUSTOMER HM. ENIVIRONIMENITAL YARDS LOAD NO. LOADED MILES CHARGES HOURS RATE CHARGES SECTION 3 START REGULAR FINISH START OVERTIME FINISH DRIVER'S SIGNATURE 2-SHIPPER'S COPY



NON-HAZARDOUS WASTE MANIFEST		2. Page 1 of 3	. Emergency Respon	ise Phone	4. Waste Ti	racking Nur	mber 1.410828
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	and it ald weath	ward &ve		2537	798		
Generator's Phone:	Aureungham Mil Ai	WWW			U.C. FDA ID	Mumbar	
Transporter 1 Company		v rol air gas			U.S. EPA ID	Number	~
a war and a first		1 406-469-5041			LLE EDAID	Mumbay	- 54 S4
7. Transporter 2 Company	Name				U.S. EPA ID	Number	,7,-
Designated Facility Nam	ne and Site Address	77.0	i. Parada in T		U.S. EPA ID	Number	
ADS / 10690 North	/ Arbor Hills Landfill 0 W. 6 Mile Road hville, MI 48168	248-4	12-0691	15113	(114 18%) 	416	
Facility's Phone:	Taranta da Maria		10. Cor	ntainers	11. Total	12. Unit	
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## LOAD AND TIME TICKET

NAME OF CARRIER

LOU'S TRANSPORT INC.

1780 E. Highwood

Pontiac, MI 48340 Phone: (248) 332-5687 Fax: (248) 334-9566

/AIE	RIAL	501	- 6	PITTI	ICKET NO.	2-1	73
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NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 or	3. Emergency Respor	199 LIIOHG	4. Waste	Tracking Nur	noer	
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Generator's Phone:	finition of the first the first the first the first term of the fi	109						
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3095	/ HALL telephonental	586-459-0041			= = = = =			
7. Transporter 2 Company Na					U.S. EPA ID	Number		
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10690	Arbor Hills Landfill W. 6 Mile Road	248-	412-0691	5AII	U.S. EPA ID			
Northv Facility's Phone:	ville, MI 48168	- 2-42						
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13. Special Handling Instruction  14. GENERATOR'S/OFFEROM marked and labeled/place Generator's/Offeror's Printed.  15. International Shipments Transporter Signature (for ex. 16. Transporter Acknowledge Transporter 1 Printed/Typed in 17. Discrepancy 17a. Discrepancy Indication 17b. Alternate Facility (or General Institute of General Institute o	OR'S CERTIFICATION: I hereby declare the arded, and are in all respects in proper conditive of the U.S. exports only):  ment of Receipt of Materials  Name  Space Quantity  enerator)	hat the contents of this consignment a didition for transport according to applic Sig	U.S. Port o  Date le  gnature  Residue	of entry/exit:eaving U.S.:	Partial R	Rejection	Month Day  Month Day  Month Day	/ ;
13. Special Handling Instruction  14. GENERATOR'S/OFFEROM marked and labeled/place Generator's/Offeror's Printed.  15. International Shipments Transporter Signature (for ex. 16. Transporter Acknowledge Transporter 1 Printed/Typed in 17. Discrepancy 17a. Discrepancy Indication 17b. Alternate Facility (or General Institute of General Institute o	OR'S CERTIFICATION: I hereby declare the arded, and are in all respects in proper conditive of the U.S. exports only):  ment of Receipt of Materials  Name  Space Quantity  enerator)	hat the contents of this consignment a didition for transport according to applic Sig	U.S. Port o  Date le  gnature  Residue	of entry/exit:eaving U.S.:	Partial R	Rejection	Month Day  Month Day  Month Day	/
13. Special Handling Instruction  14. GENERATOR'S/OFFERCE marked and labeled/place Generator's/Offeror's Printed.  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed in  17. Discrepancy 17a. Discrepancy Indication in  17b. Alternate Facility (or Generality's Phone:  17c. Signature of Alternate Facility's Phone:	OR'S CERTIFICATION: I hereby declare the arded, and are in all respects in proper conditions only):  ment of Receipt of Materials  Name  Space Quantity  Pacility (or Generator)	hat the contents of this consignment a didition for transport according to applic Sig Export from Sig Sig Type	U.S. Port o Date le gnature  Residue  Manifest Reference	of entry/exit:eaving U.S.:	Partial R	Rejection	Month Day  Month Day  Month Day	/
13. Special Handling Instruction 13. Special Handling Instruction 14. GENERATOR'S/OFFERCE marked and labeled/place Generator's/Offeror's Printed. 15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed in 17. Discrepancy 17a. Discrepancy Indication in 17b. Alternate Facility (or Generality's Phone: 17c. Signature of Alternate Facility's Phone:	OR'S CERTIFICATION: I hereby declare the arded, and are in all respects in proper conditive of the U.S. exports only):  ment of Receipt of Materials  Name  Space Quantity  enerator)	hat the contents of this consignment a didition for transport according to applic Sig Export from Sig Sig Type	U.S. Port o Date le gnature  Residue  Manifest Reference	of entry/exit:eaving U.S.:	Partial R	Rejection	Month Day  Month Day  Month Day	/



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:

248-680-1401

Generator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304

THE PEARL BLDG BOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 -

810-734-0975

JAMIE ANTONEWIECZ

Date: Order #:

3/26/2018

PO #:

Approval #: M1687-181106-AH8807-515

Waste Stream: NON HAZARDOUS SOIL Disposal Site: ADVANCED DISPOSAL

Carbont Dada

Shop Time: 06:00 AM Site Time: 07:00 AM

EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
	AM	AM	AM	AM	AM	AN
	PM	PM	PM	PM	PM	PM
	AM	AM	AM	AM	AM	AM
	PM	PM	PM	PM	PM	PN
	AM	AM	AM	AM	AM	
	PM	PM	PM	PM	PM	AN PN
	AM	AM	AM	AM	AM	AN
	PM	PM	PM	PM	PM	AN PN
	AM	AM	AM	AM	AM	. AN
	PM	PM	PM	PM	PM	PN

#### Manifest #:

Quite

### Waste Qty:

Labola

SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
LOU'S TRUCKING	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	

Overnooke

Julio	_ 00013	010763	Overpacks	Labels	Solbent rads
Drums	Hoses	Feet	Box Liner	Mileage	Fuel
SHUTTLE LO	DADS OF NON HA	Z SOIL TO ADV	ANCED DISPOSAL.		
COMMENTS					
Roll-off Unit#		T 10 10 15	ttings received in good wa	and the	(int.)

All work has been completed to my satisfaction.

Ponte

Clavos



Customer

# **Daily Service Receipt**

1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

customer:		Generator:			Pale	3/27/2018		
PLS PROPERTIES, L 40700 Woodward Su Bloomfield Hills, 248-680-1401	ite 250P.D.	THE PEARL BOX 689856 BIRMINGHAM JAMIE ANTO 810-734-09	N. OLD WOO 1,MI 48071 DNEWIECZ	Order #: PO #: Approval #: Waste Stream:	PO #: M1697-181106-AH Approval #: NON HAZARDOUS SI Waste Stream: ADVANCED DISPOSI Disposal Site: 06:00 AM Shop Time: 07:00 AM			
EQUIPMEN	NT .	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time	
515 M - BOB CAT 519M - EXCAVATOR		7:00 PM AM	AM PM AM	- P	M AM PM AM AM	AM PM AM	11:45 P	
520M - DOZER		II PM AM PM	PM AM PM	A	M PM M AM M PM	PM AM PM	A A	
17 - 2017 FORD F-	250	6:00 PM	7.00 PM	11:45 P	M AM PM	AM PM	12:30 P	
528M - EXCAVATUR		7:00 PM	- AM PM		M AM M PM	AM PM	11:45	
fanifest #:				Waste C	Qty:			
SITE PERSOI	NNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem	
Tom Wichman		AM PM (AM)	AM PM	P	M AM M PM M AM	AM PM AM	(A)	
Pat Blair II		5\30 PM	7:00 PM	A	M 12:30 PM	PM (AM	X	
7.5.5.7.3.2		6:00 PM AM PM	( ) PM AM PM	A	M 1 PM AM AM PM	PM AM PM	(6,0)	
		AM PM	AM PM	A	M AM M PM	AM PM		
Suits Boots _	Glov	es	Overpacks _	L	abels	Sorbent Pac	ls	
rums Hose	es F	eet	Box Liner	N	lileage	Fuel	_/	
LOAD OUT NON HAZ	* Rain	ed out	<b>\$</b> 4.		any ceird for			
	Have Have	tman's cri sam meeting			n when I le	ift site o	4	
ж не								

Date Annotated Submittaled Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021

Attachment Page No. 64

1

Shipping Log The Pearl Birmingham, MI

	NON.	2000- HAZ	からか	No.K.	NoW.						4
	7:25/AM	10:05/4	12,579 APA 1972	7,20,m	10;50AW						
AMOUINT	797	797	797	39T	79.T						
Truck#	122	122	221	087	720	*					
Trucker	HME	HME	HME	Lou's	700/5			-		+	-31
Manifest/Ticket#	14106279	14106780	14106281	14106382	14100383						
Load #	1	7	N	1	7						
Date	3/23/18			3/20/18							



1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	3/28/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOO 1,MI 48071 DNEWIECZ	3 10 10 10 10 10 10 10 10 10 10 10 10 10	Order #: PO #: Approval #; Waste Stream: Disposal Site: Shop Time: Site Time:	<mark>SITE WORK</mark> NOT APPLIC 06:00 AM	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal		Finish Time
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM PM	AM PM	3:00 (A)
519M - EXCAVATOR	AM I PM	AM PM	AM PM	AM PM	AM PM	Al Pi
520M - DOZER	AM PM	~ AM	AM PM	AM PM	AM PM	( AM
17 - 2017 FORD F-250	6:00 PM	7:00 PM	_ AM	MA	AM PM	4100 P
528M - EXCAVATOR	7:00 PM	AM PM	AM PM	AM PM	AM PM	4100 A 3100 P
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM PM	AM PM	AM PM	
Tom Wichman	6:00 PM	7:00 PM	AM AM	4:00 PM		2012
Pat Blair II	ii AM PM	L AM PM	I\ PM	3:30 PM	AM PM	(9,50)
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
Suits Boots Glov	res	Overpacks _	Lab	els	_ Sorbent Pac	ls
Drums Hoses F	eet	Box Liner _	Mile	eage	_Fuel	
WORK ON SITE TO ASSIST HARTMA	AN		9	7100 dollars for parki	ng compa	any card
comments  * continued to n  * cleaned up s  * continued to a	nove soil olls from a vade Floor	to vermp, ednilling	grade an	d compact	real coil	
Roll-off Unit#Tarp/Bo	ows/Caps/Fittings	received in go	od working order	,	(int.)	

Custome

Date Annotated Symmitted Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 66

3/28/18



42826 N. Walnut - Mt. Clemens, MI 48043

Customer:	Generator:			Sec.		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	THE PEARL BOX 689856	N. OLD WOO 1,MI 48071 DNEWIECZ		Date: Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:	NOT APPLIC 12:00 AM	
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7.00 PM	_ AM	AM	AM PM	AM PM	4:00 PM
519M - EXCAVATOR	AM I I PM	AM PM	AM	AM PM	AM PM	AM ) PM
520M - DOZER	AM PM	_ AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	11130 AM		4:00 EW	AM PM	AM PM	AM PM
528M - EXCAVATOR	AM PM	AM PM	- AM PM	- AM PM	AM PM	AM PM
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM PM	AM PM	AM PM	
Tom Wichman	11:30 PM	12:60 PM	4:00 @	4:00 PM	AM PM	4,50)
Pat Blair II	630 PM	- AM	\\ PM	II AM	AM PM	9,50)
	AM PM	AM PM		AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
Suits Boots Glo	ves	Overpacks_	Lab	els	_ Sorbent Pac	ds
Drums Hoses	Feet	Box Liner _	Mile	age	Fuel	
COMMENTS  * showed up to a flushing wi i dozer on ran * moved excess * startly to a	s find Hard th water at spoils From	lman was bottom o	to stockell	eir drill v opping HM:	iq, makin	g a burm
# starting to a	-ccumatate a	2101016	1005 PALLY	7.5		
	lows/Caps/Fittings	received in go	od working order		(int.)	
All work has been completed to my coti	ofaction					

Customer

Date Annotated Avinorized Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021 Attachment Page No. 67



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Air Time

customer:	Generator:	Date:	3/30/2018
FLS PROPERTIES, LLC	THE PEARL BLDG	Order #:	0,00,2010
40700 Woodward Suite 250P.D.		PO #:	
Bloomfield Hills, MI - 48304	BIRMINGHAM, MI 48071 -	Approval #:	
5.5.500.06-5.215.5.511.20.0-155.20.0	JAMIE ANTONEWIECZ	<b>Waste Stream</b>	SITE WORK
248-680-1401	810-734-0975	Disposal Site:	NOT APPLICABLE
		Shop Time:	06:00 AM
		Site Time:	07:00 AM

EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time	
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM PM	AM PM	12:30 PM	
519M - EXCAVATOR	AM Li. PM	AM PM	AM PM	AM PM	AM PM	AM I PM	
520M - DOZER	AM PM	_ AM PM	AM PM	AM PM	AM PM	I AM PM	
17 - 2017 FORD F-250	6:00 PM	7:00 PM	12:30 PM	AM PM	AM PM	1:30 em	
528M - EXCAVATOR	7:00 AM	_ AM PM	AM PM	AM PM	AM PM	12!30 AM	

Arrive

Site

Start

Time

#### Manifest #:

SITE PERSONNEL

### Waste Qty:

Finish

Time

Depart

Site

			AM PM		AM PM		AM PM		AM PM	AM PM	
Tom Wichman		6:00	AM PM	7:00	AM PM	12:30	AM (PM)	1130	AM PM AM	AM PM	7.50
Pat Blair II		11	AM PM	11	AM PM	11	AM PM	11	PM	AM*	7,50
			AM PM		AM)		AM PM		AM PM	AM PM	
			AM PM		AM PM		AM PM		AM PM	AM PM	
Suits Boots	Glov	/es		Overpa	cks_		Lab	els		Sorbent Pac	ds
Orums Hoses		Feet		Box Li	ner_		Mile	eage		_ Fuel	
						\$	40	o com	oany	curel fo	v parking

CONTINUE WORKING WITH HARDMAN MOVING SOILS.

	*cleaned up soil from drilling *attempted to clean up site and grade floor from n 'starting to run out of room for excess soil brought 4" pump back to yourd	ed v	
Roll-off Unit#	Tarp/Bows/Caps/Fittings received in good working order	(int.)	

All work has been completed to my satisfaction.

Annotated Appropriate de Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021

Per

Diem

Customer

Attachment Page No. 68



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

\$7.00 company card for parking

Customer:	Genera	tor:			Date:	4/2/2018		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304 248-680-1401	BIRMIN	856 GHAN ANTO	N. DLD WO 1,MI 48071 INEWIECZ		Order #: PO #: Approval #: Waste Stream:SITE WORK Disposal Site: NOT APPLIC Shop Time: 06:00 AM Site Time: 07:00 AM		CABLE	
EQUIPMENT	Start		Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time	
515 M - BOB CAT	7:00	AM PM	— AM		AM	AM PM	3:00 A	
519M - EXCAVATOR	Li	AM PM	- AM			AM PM	I P	
520M - DOZER	- 11	AM PM	- AM	PM	PM	AM PM	Al Al	
17 - 2017 FORD F-250	6:00	AM PM	7:00 AM	3:00 (PM)	AM PM	AM PM	4:00 (P)	
528M - EXCAVATOR	7:00	AM	- AM			AM PM	3.00 A	
Manifest #:				Waste Qt	y:			
SITE PERSONNEL	Start Time		Arrive Site	Depart Site	Finish Time	Air Time	Per Diem	
		AM PM	AM PM	PM	PM	AM PM		
Tom Wichman	6:00	PM	7:00 PM	3,00 (PM)	4:60 PM	AM PM	(10)	
Pat Blair II	- 1/	AM PM AM PM	7) PM AM PM	ty PM AM	AM	AM PM AM PM	D,	
		AM PM	AM PM	AM	AM	AM PM		
Suits Boots Glov	/es		Overpacks _	Lat	oels	_ Sorbent Pac	ls	
Drums Hoses I	eet		Box Liner_	Mile	eage	Fuel		

WORK ON SITE WITH HARTMAN MOVING SOILS.

#### COMMENTS

\* consolidated dint from drilling

- a spread out excess dirt building up quade to try and loose some dirt to graded floor of excavation to keep water from ponding up
- \* moved Malt's For Hardmen

Roll-off Unit#	Tarp/Bows/Caps/Fittings received in good working order	(int.)
the search day of the search of the		

All work has been completed to my satisfaction.

Attachment to ASTI Environmental Memo Dated March 25, 2021 Attachment Page No. 69



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Cu	ct	-	m	0	PA.
UL	21	U	ш	CI	

248-680-1401

Generator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304

THE PEARL BLDG BOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 -JAMIE ANTONEWIECZ 810-734-0975

Date: Order #:

4/3/2018

PO #:

Approval #:

Waste Stream:SITE WORK

Disposal Site: NOT APPLICABLE

Shop Time: 06:00 AM Site Time: 07:00 AM

EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 PM	- AM PM	AM PM	AM PM	AM PM	3:15 PM
519M - EXCAVATOR	I\ PM	AM PM	AM PM	AM PM	AM PM	AM i ) PM
520M - DOZER	l AM PM	_ AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	6:00 PM	CAM	3:15 PM	AM PM	AM PM	4:30 PM
528M - EXCAVATOR	7:00 PM	_ AM PM	AM PM	AM PM	AM PM	3:15 AM

#### Manifest #:

#### Waste Qty:

SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM PM	AM PM	AM PM	
Tom Wichman	6:00 PM	7:00 PM	3:15 PM	4130 PM	AM PM	1658)
Pat Blair II	\ AM PM	I AM	I) AM	41:00 (PM)	AM PM	100
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	

Suits	Boots Gloves		Overpacks	Labels	Sorbent Pa	ads
Drums	Hoses	Feet	Box Liner	Mileage	Fuel	
ASSIST H	ARTMAN WITH MO	VING SOILS ON	SITE,	(\$5,00 <	ompany cav	red for

### COMMENTS

\* consolidated dirt from drilling \* moved Mat's for Handman to position Crane For drilling

Tarp/Bows/Caps/Fittings received in good working order

- + cleaned up grade of excavation
- \* demoked Dozer off site and back to HM's yard
- \* Handman drilled in center of site, ground water started coming up out of the ground at a pretty good rate!

All work has been completed to my satisfaction.

Roll-off Unit#

Attachment to ASTI Environmental Memo Dated March 25 Attachment Page No. 70



1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Services, II	10	_	Ph	none (586) 469	-0041 – Fax (	686) 469-1014
Customer:	Generator:			Date:		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	the second of th	N. OLD WOO M, MI 48071 ONEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:		₹
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
109 - KENWORTH TRACTOR	11:30 AM				AM PM	3:00 AM
341L - LOW BOY TRAILER (RGN)	EXCAV. AM	AM PM	( AM PM	AM PM	AM PM	( AM PM
520M - DOZER	L AM PM	C AM	2 AM PM	AM PM	AM PM	O AM PM
	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
Manifest #:			Waste Qty	<b>/</b> ;		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per
Travis Howard	11:30 PM	12:45 8	1:15 AM	3:00 AM	AM PM	(3.50)
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
Suits Boots Glov	rest	Overpacks_	Lab	oels	Sorbent Pac	s
Drums Hoses F	eet	_ Box Liner	Mile	eage	_Fuel_27	1
DEMOBILIZE DOZER #520 AND BR				·		
Roll-off Unit# NA Tarp/Bo	ows/Caps/Fittings	received in goo	od working order	r	(int.)	

All work has been completed to my satisfaction.

Customer

Date Annotated Authoritied Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 71

Date



42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

$H_{M}$	Environm	ental
***	Services,	
Customer:		Gener

ator:

FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304

THE PEARL BLDG BOX 689856 N. OLD WOODWARD BIRMINGHAM, MI 48071 -JAMIE ANTONEWIECZ

810-734-0975

Date: Order #:

4/4/2018

PO #:

Approval #:

Waste Stream:SITE WORK

Disposal Site: NOT APPLICABLE

Shop Time: 12:00 AM Site Time: 07:00 AM

EQUIPMENT	Start Time	51	Arriv		Depa Site		Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7100	AN PM	-	AM PM	3-	AM PM	AM PM	AM PM	3:00 P
519M - EXCAVATOR		AM PM	-	AM PM	-	AM PM	AM PM	AM PM	i Ph
5 <del>20M DOZER</del>		AM PM	-	AM PM	-	AM PM	AM PM	AM PM	I AM
17 - 2017 FORD F-250	1/	ANI	7:00	AM	3:00	AM (PM)	AM PM	AM PM	3:30 PM
52AM - EXCAVATOR	mino (	AM) PM		AM PM	-2-	AM PM	AM PM	AM PM	3100 A

#### Manifest #:

248-680-1401

#### Waste Qty:

SITE PERSONNEL	Start Time		Arrive		Depa		Finish Time		Air Time	Per Diem
		AM PM		AM PM		AM PM		AM PM	AM PM	
Tom Wichman	6:00	AM (PID)	7:00	AM (PM)	3:00	AM (PN)	3130	AM (PM)	AM/ PM	250
Pat Blair II	11	AM PM	11	AM PM	11	AM PM	11	AM PM	AM( PM	9,501
3 44 64 44 44 44		AM PM		AM PM		AM PM		AM PM	AM PM	
		AM PM		AM PM		AM PM		AM PM	AM PM	

Suits	Boots	Gloves	Overpacks	Labels	Sorbent Pads	
Drums	Hoses	Feet	Box Liner	Mileage	Fuel	
CONTINUE	ro Assist HAR	TMAN WITH MOVI	NG SOILS ON SITE.	9		
COMMENTS		I sail From a	dri Hing			

+ continued to re-grade site to keep water from ponding up and to help dry out site & moved Mat's For Hardman

Roll-off Unit# Tarp/Bows/Caps/Fittings received in good working order All work has been completed to my satisfaction.

Date Annotated Authorized Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021

(int.)

Attachment Page No. 72



1

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

Customor	Concestore					
Customer:  FLS PROPERTIES, LLC 40700 Woodward Suite 250 Bloomfield Hills,MI - 48	the second of the second secon		EC-170-111-111	Date: Order #: PO #: Approval #:	4/5/2018	
248-680-1401	JAMIE ANTO 810-734-09	DNEWIECZ		Waste Stream:	NOT APPLICA	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	— AM	AM PM	AM	AM PM	AM PM	AM PM
519M - EXCAVATOR	7:00 PM	AM	AM PM	AM PM	AM PM	4100 PM
5-011	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250 ·	6:00 PM	7:00 PM		AM PM	AM PM	4:00 PM
528M - EXCAVATOR	7:00 PM	- AM PM	AM PM	AM PM	AM PM	II AM
Manifest #:			Waste Qty	<i>i</i> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM PM	AM PM	AM PM	0
Tom Wichman	6,00 PM	7:00 PM	4100 PM	4100 em	AM PM	10
Pat Blair II	7:0 8 AM	(1 PM	II AM	II AM	AM PM	(9)
	AM PM	AM PM	PM	AM PM	AM PM	
	AM PM	AM PM		AM PM	AM PM	
Suits Boots	Gloves	Overpacks_	Lab	els	_ Sorbent Pac	is
Drums Hoses	Feet	Box Liner _	Mile	eage	Fuel	
CONTINUE ASSISTING HARTM	AN WITH MOVING S	GOILS ON SI	1000	en compan		
comments  * stock piled:  * graded floor	soil From dri	lling		0.00		
+ graded floor + spread ston + dug up pylo	e on rample	ompactec	1			1 due
To survey for	oveeting to ev	iter them	n For Haz-	-built (2h	(int.)	4.36

All work has been completed to my satisfaction.

Date Annotated Authorized Personnel
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 73



1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator:			Date:	1.77.700t D	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills, MI - 48304 248-680-1401		N. OLD WOO I,MI 48071 NEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:	NOT APPLIC	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
519M - EXCAVATOR	7100 PM	AM PM	AM PM		AM PM	Al Pi
5 <del>00M DOZE</del> R	AM PM	- AM	AM PM	AM PM	AM PM	AN PN
17 - 2017 FORD F-250	7:00 PM	~ AM PM	1):00 PM			12130 P
528M - EXCAVATOR	N AM PM	- AM PM	AM PM	AM PM	AM PM	Al Pi
	AM PM	AM PM	AM PM	AM PM	AM PM	AN PN
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per
Tom Wichman	7:00 PM	AM PM	11:00 PM		AM PM	5,5
	AM	AM PM	AM PM	AM PM	AM PM	
	AM	AM PM	AM PM	AM PM	AM PM	
	PM AM	AM	AM	AM	AM	
	PM AM	PM AM	PM AM	PM AM	PM AM	
	PM	PM	PM	PM	PM	
Suits Boots Glov	es	Overpacks _	Lab	els	Sorbent Pac	ls
Orums Hoses F	eet	Box Liner_	Mile	eage	_Fuel	_/
FINISH UP MOVING SOILS ON SIT						
* helpred Thowle * cleaned up touched up	M's Tools	is excavo I hoses fo	ator to a	demolee be	ack to h	M's Shep

All work has been completed to my satisfaction.

Customer

Attachment to ASTI Environmental Memo Dated Warch 25, 2021
Attachment Page No. 74

Tarp/Bows/Caps/Fittings received in good working order

4/6/18 Date



1

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

Customer:	Generator: Date:			Date:	4/6/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	THE PEARL BLDG  BOX 689856 N. OLD WOODWARD  BIRMINGHAM, MI 48071 -  JAMIE ANTONEWIECZ  810-734-0975		Order #: PO #: Approval #: Waste Stream:DEMOB EXCAVATOR Disposal Site: Shop Time: \$\frac{49 \cdot 20 \cdot AM}{20 \cdot AM}\$			
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
124 403 - KENWORTH TRACTOR	7:30 (AM)	8:30 AM	9:00 AM	PM	AM PM	10:30 PM
341L - LOW BOY TRAILER (RGN)	EXCRV. AM	AM PM	( AM PM	AM PM	AM PM	( AM PM
519M - EXCAVATOR	C AM	C AM	J AM PM	AM PM	AM PM	2 AM
	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
	AM PM	AM	AM PM	AM PM	AM PM	AM PM
Manifest #:			Waste Qty	<b>/:</b>		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
- <del>Brian Palecki</del>	AM PM	AM	AM PM	AM PM	AM PM	
Travis Howard	7:30 AM	8:30 AM	9:00 AM	(AM)	AM PM	(3)
172013 100000	AM PM	AM PM	AM PM	AM	AM PM	
	AM PM	AM PM	AM PM	AM	AM PM	
	AM PM	AM	AM PM	AM	AM PM	
Suits Boots Glov	1		Lab	oels	Sorbent Pac	ls
Drums Hoses F						V
PICK UP EXCAVATOR FROM SITE A	AND BRING B	ACK TO THE	YARD.	£		
COMMENTS						
via						
Roll-off Unit# NA Tarp/Bo	WalCons/Filling	a rangiumd in an	od working orde	r	(int.)	

Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 75



42826 N. Walnut Mt. Clemens, MI 48043 Phone (586) 469-0041 Fax (586) 469-1014

October 19, 2020

Elizabeth Masserang PM ENVIRONMENTAL, INC.

4080 W. Eleven Mile

Berkley, MI 48072

The Pearl cost breakout

Dear Elizabeth:

HM Environmental Services is pleased to present the following estimate for your review and consideration.

**HAZARDOUS SOIL** 

Excavation cost	\$ 10,00/ton
Transport cost	\$ 23.00/ton
Disposal cost	\$127.75/ton

#### **NON HAZ SOIL**

Excavation cost	\$ 5,00/ton
Transport cost	\$ 16.00/ton
Disposal cost	\$15.50/ton

Yours truly,

Bob Mackinder

Bob Mackinder Sales Manager

Visit us at www.hmenvironmental.com

### **FULL UNCONDITIONAL WAIVER**

My/our contract with FLS Prope	erties #5, LLC to provide
excavation and disposal of soil	for the improvement of the property described as
856 N. Old Woodward, Birmingham	, Michigan (The Pearl)
	having been
fully paid and satisfied, all my/	our construction lien rights against such property
are hereby waived and release	ed.
	HM Environmental Services, Inc.
	(Printed Name of Lien Claimant)
	(Signature of lien slaimant)
	Steve Matthes, President
Signed on: June 26, 2018	Address: 42826 N. Walnut Street
	Mt. Clemens, MI 48043
	Telephone: 586-469-0041

DO NOT SIGN BLANK OR INCOMPLETE FORMS. RETAIN A COPY.

#### **Elizabeth Masserang**

From: Janet Boice <JBoice@simonattys.com>
Sent: Monday, December 14, 2020 11:52 AM

To: Elizabeth Masserang

**Cc:** Frank Simon

**Subject:** FW: FLS Properties #5, 856 N. Old Woodward, Birmingham, MI

Attachments: HM Environmental invoices #23707 and #23764 (tied in with each other - paid)

(00781565x9C60C).pdf

**Importance:** High

Hello Elizabeth,

Please see attached and email below from HM Environmental regarding the fact that these two invoices were tied together.

We are still working on payment of Douglas Company's change orders 002 and 003. I will forward that information as soon as we receive it.

Janet A. Boice, Assistant to Frank R. Simon FLS Properties #5, LLC PO Box 689 Bloomfield Hills, MI 48303 248 680-1401 248 720-0293 [fax] jboice@simonattys.com

This e-mail contains information which is confidential and/or privileged. If you are not the intended recipient, be advised that any disclosure, copying, distribution or use of this information is prohibited.

From: Sue Maxwell <sue@hmenvironmental.com> Sent: Monday, December 14, 2020 11:09 AM

To: Janet Boice <JBoice@simonattys.com>; Bob Mackinder <br/> <br/> bmackinder@hmenvironmental.com>

Subject: RE: FLS Properties #5, 856 N. Old Woodward, Birmingham, MI

Janet,

Attached is a copy of our Invoice # 23707 and 23764 since the (2) invoices were tied together. I am not sure if they will want a copy of 23764 or if they already have it.

Thanks,

Sue Maxwell
Office Manager
HM Environmental Services, Inc.
586.469.0041

## Invoice

DATE	INVOICE #		
11/17/2017	23684		

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

856 North Old Woodward Birmingham, MI

		P.O. No.	TERMS	REP
			Net 30	RWM
QTY	DESCRIPTION	N	RATE	AMOUNT
20 80.93	10/31/17 Through 11/16/17 Operator & I site for work to be performed by Hardm Visqueen Rolls (3 mill) Stone (1x3 Crushed Concrete) Stone (21AA Crushed Concrete)		20,000.00 75.00 25.95 23.15	20,000.00 1,500.00 2,100.13 1,263.06
				Vi.

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

H M Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043

17

## Invoice

DATE	INVOICE #		
11/22/2017	23707		

BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon SHIP TO

856 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM
		No transfer in

QTY	DESCRIPTION	RATE	AMOUNT
625	11/27/17 Excavate, transport and dispose of hazardous soil	160.75	100,468.75
	THE 625 TONS ON THIS INVOICE WAS ALSO BILLED ON INVOICE # 23764. WE REMOVED 625 TONS ON INVOICE # 23764 AND TOOK OFF THE CREDIT OF \$75,000.00 FROM # 23764 AS WELL SINCE THAT \$75,000 WAS APPLIED TO THIS INVOICE. THEREFORE, THE PAYMENT OF \$330,386.14 WAS APPLIED TO THIS INVOICE AND # 23764. \$25,468.75 WAS USED FOR THIS INVOICE AND THE REMAINDER OF THE PAYMENT ON # 23764.		

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

Payments/Credits -\$100,468.75

Balance Due \$0.00

\$100,468.75

TOTAL

H M Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043

18

## Invoice

DATE	INVOICE #		
12/11/2017	23764		

REP

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon SHIP TO

P.O. No.

865 North Old Woodward Birmingham, MI

		Net 30	RWM
QTY	DESCRIPTION	RATE	AMOUNT
1,618.88	11/17/17 Through 12/08/17 (Progress Billing) Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	160.75	260,2 <del>34</del> .96
1,200.04	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	36.50	<b>43,801.46</b> Partial
1	Visqueen (1) Roll - (10 mill)	240.00	240.00
24.7	Stone (1X3) Crushed Concrete	25.95	64 <del>0.</del> 97
	SEE INV # 23707 FOR NOTES. ALREADY BILLED 625 TONS ON INV # 23707 AND PAYMENT OF \$75,000.00 WAS APPLIED TO INVOICE # 23707 AS WELL		

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

Payments/Credits -\$304,917.39

Balance Due \$0.00

\$304,917.39

TOTAL

## Invoice

DATE	INVOICE #		
1/8/2018	23877		

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

865 North Old Woodward Birmingham, MI

TOTAL

\$565,719.09

P.O. No.	TERMS	REP	
	Net 30	RWM	

QTY	DESCRIPTION	RATE	AMOUNT
2,734.06	12/09/17 Through 12/29/17 (Progress Billing) Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	160.75	439,500.15
5.25	Demurrage at Wayne Disposal 11/29/17 Through 12/08/17 (Not Prev Billed)	95.00	49 <del>8.7</del> 5
43	Demurrage at Wayne Disposal 12/08/17 Through 12/29/17	95.00	4,085.00
3,212.42		36.50	<b>117,253.33</b> Partial
54.63	Stone (1X3) Crushed Concrete	25.95	1,417.65
198	Truck Liners - Hazardous Loads Only	40.00	7,920.00
1	Credit due from Previous Invoice (1.5% Discount for Early Payment on Invoice # 23764)	-4,955.79	-4,9 <del>55</del> .79
	Discount of \$ 8,485.79 (1.5%) if paid within 15 Days, with discount please pay \$ 557,233.30		

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

20

### Invoice

DATE	INVOICE #
2/1/2018	24010

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
143.09	12/30/17 Through 02/02/18 (Progress Billing) 01/02/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		23,001.72
18	01/03/18 Through 01/29/18 Additional Work with Hardman Construction not in the Original Scope - Northeast & Southwest Wall Extensions		45,000.00
288.26	26 01/30/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal		46,337.80
302.75	02.75 01/31/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal		48,667.06
325.21	325.21 02/01/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal		52,277.51
340.1	02/02/18 Excavate, Transport and Disposal of Hazardou to Wayne Disposal	s Soil 160.75	54,671.08
56	Truck Liners - Hazardous Loads Only	40.00	2,240.00
		TOTAL	\$272,195.17

21

## Invoice

DATE	INVOICE #
2/9/2018	24049

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP	
	Net 30	RWM	

QTY	DESCRIPTION	RATE	AMOUNT
161.6	02/03/18 Through 02/09/18 (Progress Billing) 02/05/18 Excavate, Transport and Disposal of Hazardous S to Wayne Disposal	Soils 160.75	25,977.20
157.94	02/06/18 Excavate, Transport and Disposal of Hazardous S to Wayne Disposal	Soils 160.75	25,388.86
100.97	02/07/18 Excavate, Transport and Disposal of Hazardous s to Wayne Disposal	Soils 160.75	16,230.93
126.36	02/08/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	Soils 160.75	20,312.37
22		40.00	880.00
	To	TAL	\$88,789.36

## Invoice

DATE	INVOICE #
2/20/2018	24079

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
163.95	02/10/18 Through 02/16/18 (Progress Billing) 02/12/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	Soils 160.75	26,354.96
189.14	02/13/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	Soils 160.75	30,404.26
238.47	02/14/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	s Soils 160.75	38,334.05
0.25			2 <del>3.7</del> 5
170.16	02/15/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	s Soils 160.75	27,353.22
219.04	02/16/18 Excavate, Transport and Disposal of Hazardous to Wayne Disposal	s Soils 160.75	35,210.68
37	Truck Liners - Hazardous	40.00	1,480.00
	7	OTAL	\$159,160.92

23

### Invoice

DATE	INVOICE #
2/26/2018	24102

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

865 North Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

TOTAL

\$53,867.35

QTY	DESCRIPTION	RATE	AMOUNT
224.77	02/17/18 Through 02/23/18 (Progress Billing) 02/19/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	36,131.78
85.82	02/20/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	13,795.57
0.5		1,000.00	50 <del>0.0</del> 0
1	02/21/18 Stand By Rate due to Weather		1,000.00
1	1 02/22/18 Stand By Rate due to Weather		1,0 <del>00</del> .00
1	02/23/18 Stand By Rate due to Weather	1,000.00	1,000.00
11	Truck Liners - Hazardous	40.00	440.00

24

## Invoice

DATE	INVOICE #		
3/5/2018	24146		

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP	
	Net 30	RWM	

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 02/24/18 Through 03/03/18 (Dewatering of Excavation)		
	02/26/18 Supervisor met with PM to discuss Water Removal - NO CHARGE		
1	02/27/18 Delivery and Placement of Stone for Well and Pad	1,650.00	1,650.00
1	Excavation and Placement of Well	1,425.00	1,4 <del>25</del> .00
1	02/28/18 Site Supervisor - Load Trucks with Ground Water	750.00	750.00
1	Additional Flagger for Truck Traffic	500.00	500.00
1	Daily Pump Rental	450.00	450.00
11.5	Bulk Tanker w/Operator - Transport Ground Water to Disposal	140.00	1,610.00
20,750	Disposal of Non Regulated Ground Water to DART - Manifest #'s 018587690 JJK, 018587693 JJK & 018587691 JJK	0.35	7,262.50
	03/01/18 Supervisor Checking Excavation On Site - NO CHARGE		

TOTAL

HM Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043

### Invoice

DATE	INVOICE #
3/5/2018	24146

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM
	RATE	AMOUNT
C. ITAT-1	750.00	750.00

			Net 30	KVVIVI
QTY	DESCRIPTION		RATE	AMOUNT
1	03/02/18 Site Supervisor - Load Trucks with Gi	ound Water	750.00	750.00
	Additional Flagger for Truck Traffic		500.00	500.00
1	Daily Pump Rental		450.00	450.00
5.5	Bulk Tanker w/Operator - Transport Ground V Disposal	Vater to	140.00	770.00
7,000	Disposal of Non Regulated Ground Water to E # 018587692 JJK	ART - Manifest	0.35	2,450.00
		TOTAL		\$18,567.50

### Invoice

DATE	INVOICE #		
3/13/2018	24184		

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUN
	Progress Billing 03/04/18 Through 03/13/18 (DeWatering & Hazardous Soil Removal)		
210.11	03/05/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	33,775.18
5	Bulk Tanker w/Operator - Transport Ground Water to Disposal	140.00	700.00
4,585	Disposal of Non Regulated Ground Water to DART - Manifest # 018587704 JJK	0.35	1,604.75
206.95	03/06/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	33,267.21
1	03/07/1 <mark>8 Stand By Ra</mark> te (Meeting with Hardman to discuss finishing Hazardous Soil Removal)	1,000.00	1,000.00
428.91	03/08/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75 Amount a	68,947.28 adjusted to quest

TOTAL

H M Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043

### Invoice

DATE	INVOICE #
3/13/2018	24184

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

 P.O. No.
 TERMS
 REP

 Net 30
 RWM

			Net 30	KWM
QTY	DESCRIPTION		RATE	AMOUNT
178.46	03/09/18 Excavate, Transport and Disposal of Hazardo to Wayne Disposal	us Soils	160.75	28,687.45
204.75	Excavate, Transport and Disposal of Hazardous Soils Wayne Disposal	to	160.75	32,913.56
0.5	Demurrage On Site - Truck # 129		100.00	50 <del>.0</del> 0
0.5	Demurrage at Disposal - Truck # 129		100.00	5 <del>0.0</del> 0
1	Demurrage at Disposal - Truck # 109		100.00	100.00
5.5	Bulk Tanker w/Operator - Transport Ground Water to Disposal		140.00	770.00
4,600	내가 되는 이번 이 그리고 있다. 사람들은 것이 되고 있다면서 그 사람들이 되었다면 하는 것이 되었다면 그렇게 되었다면 그렇게 되었다면 그 것이다.		0.35	1,610.00
240.36	03/12/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	38,637.87
85.5	5 03/13/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	13,744.13
154.35	4.35 Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal		36.50	5,633.78 Partial
54	[ - 100] [ - 100 -		40.00	2,160.00
		TOTAL		\$263,651.21

## Invoice

DATE	INVOICE #		
3/21/2018	24222		

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 03/14/18 Through 03/20/18 - (Non Hazardous & Hazardous Soil Removal)		
160.45	03/14/18 Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal	36.50	5,856.43 Partial
115.3	03/15/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	18,534.48
113.08	Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal	36.50	<b>4,127.42</b> Partial
118.56	03/16/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	19,058.52
55.62		36.50 nal	2,030.13 Partia
1	03/19/18 Stockpile and Load out Soil on West Wall for Hardman	2,500.00	2,5 <del>00</del> .00
2	(2) 55 Gallon Drums - Protect to Pile Caps	56.00	112.00

TOTAL

## Invoice

DATE	INVOICE #
3/21/2018	24222

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

TOTAL

\$80,193.34

QTY	DESCRIPTION	RATE	AMOUNT
26.5	Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	4,259.88
225.4	A CONTRACTOR OF THE CONTRACTOR	23.15	5,21 <del>8.</del> 01
1	03/20/18 Excavated (2) Holes to Elevation and moved Soil fro Southeast Corner to Northeast Corner of Job Site per Hardma		2,50 <del>0.</del> 00
59.73	[ 목숨이 많은 어린이 동일이 일어되었다. [ 일반 시간 사고를 받아지고 말고 없이 되니 않아 그 그것이 없어 없다.	160.75	9,601.60
0.25		100.00	2 <del>5.</del> 00
0.25		100.00	25.00
255.07			5,904.87
11	Liners - Hazardous Loads Only	40.00	440.00

H M Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043 1

## Invoice

DATE	INVOICE #
4/6/2018	24261

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

TOTAL

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 03/21/18 Through 04/06/18 (Non Hazardous Soil & Assist Hardman Onsite)		
1	03/21/18 Excavate Hole to Elevation and move Stockpile from South East Corner for Hardman	2,500.00	2,5 <del>00</del> .00
116.07		36.50	<b>4,236.56</b> Partial
192.72		23.15	4,461.47
1	1 03/22/18 Stockpile Soil out of Hardman's way, Excavate Hole for Pile Caps & Clean up Soil Piles from Drilling		2,5 <mark>00.</mark> 00
1	03/23/18 Stockpile Soil for Hardman & Clean up Soils Piles from Drilling	2,500.00	2,5 <mark>00.</mark> 00
86.78			3,167.47 Partial
1	03/26/18 Stockpile for Ramp, Re-grade NorthEast Side of Excavation	2,500.00	2,5 <del>00</del> .00

AnnoRage Submittal
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 93

H M Environmental Services, Inc. 42826 N. Walnut Street Mt. Clemens, MI 48043

### Invoice

DATE	INVOICE #	
4/6/2018	24261	

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

DESCRIPTION	RATE	AMOUNT
Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal	36.50	2,038.16 Partial
03/27/18 Through 03/29/18 Assist Hardman Onsite	2,500.00	7,500.00
03/30/18 Assist Hardman Onsite	2,500.00	1,250.00
03/31/18 Through 04/05/18 Assist Hardman Onsite	2,500.00	10,000.00
04/06/18 Finish Onsite Work and Load Equipment	2,500.00	1, <del>25</del> 0.00
	Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal 03/27/18 Through 03/29/18 Assist Hardman Onsite 03/30/18 Assist Hardman Onsite 03/31/18 Through 04/05/18 Assist Hardman Onsite	Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal  03/27/18 Through 03/29/18 Assist Hardman Onsite  2,500.00  03/30/18 Assist Hardman Onsite  2,500.00  03/31/18 Through 04/05/18 Assist Hardman Onsite  2,500.00

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

TOTAL

\$43,903.66

# PM Environmental

FLS PROPERTIES #5 LLC P.O. BOX 689		1312
BLOOMFIELD HILLS, MI 48303	DATE 3-8-21	CCHECK ANNUR
PAY TO THE OF PM Environmental, Inc.		\$ 803.75
- Eight Hundred Three Dollars	75/100-	DOLLARS Photo Safe Deposit® Debits on back
Levelone FOR Inv. # 96446	IN R	A CONTRACTOR OF THE PROPERTY O
#*** *** **** **** *** *** *** *** ***	0161701#	



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD **LANSING, MI 48906** Phone: (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, MI 48303 February 25, 2021

Project No:

01-05889-0

Invoice No:

96476

Invoice Total

\$803.75

Project Manager: Elizabeth Masserang

**Brownfield Activities** 

Service Group 0010 856 North Old Woodward Avenue, Birmingham, Michigan

Brownfield Tax Increment Revenue Reimbursement Request

Task	Fee	Percent P Complete	revious Fee Billing	Cost
Reimbursement Request	5,000.00	99.65	4,178.75	803.75
Total Fee	5,000.00 Subtotal		4,178.75	803.75 803.75
	Subtotal	Total these Ta	sks	\$803.75
		Total this Serv	vice	\$803.75
		Total this Invo	olce	\$803.75

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

We are committed to providing you with the highest level of service and would appreciate getting feedback on our performance. Please take our brief client satisfaction survey at: https://www.surveymonkey.com/r/pmclient

# Accounts Receivable Ledger

PM Environmental, Inc.

Total

Job-to-Date through 10/24/2020

Invoice	Mod/Receipt Detail	Description 2	Date	Total	
Billing Client Name: FLS Pr	operties #5, LLC				
Site Address: 856 North Oil	·	<u> </u>			
01-05889-0 The Pearl Devel	opment / Project Mana	iger: Masserang			
Project Type: Environment	al Services				
0073902		Invoice	9/21/2015	14,015.00 See item 2	
0073902	Rcpt A112315	ck # 1162	11/23/2015	-14,015.00	
0077059	1	Invoice	6/27/2016	5,690.00 See item 3	
0077059	Rcpt A090816	ck# 1187	9/8/2016	-5,690.00	
0078957	•	Invoice	10/28/2016	10,000.00 See item 4	
0078957	Rcpt A110916	ck# 1198	11/9/2016	-10,000.00	
0079807	,	Invoice	1/4/2017	1,500.00 See item 5	
0079807	Rcpt A011917	CK # 1117	1/19/2017	-1,500.00	
0080629	1	Invoice	2/23/2017	3,750.00 See item 6	
0080629	Retainer	Invoice	2/23/2017	-3,750.00	
0084128	<b>;</b>	Invoice	11/30/2017	26,595.61	
0084128	Retainer	Invoice	11/30/2017	-15,000.00	
0084128	Rcpt A010818	ck # 1244	1/8/2018	-11,595.61 See item 7	
0084715	i	Invoice	1/19/2018	27,064.95 See item 8	
0084715	Rcpt A031918	ck # 1269	3/19/2018	-27,064.95	
0085166	i	Invoice	3/8/2018	28,402.73 See item 9	
0085166	Rcpt A031918	ck # 1269	3/19/2018	-28,402.73	
0085575	i	Invoice	4/6/2018	14,613.33 See item 10	
0085575	Rcpt A051618	Check#1283	5/16/2018	-14,613.33	
0087608	}	Invoice	10/4/2018	7,173.12	
0087608	Retainer	Invoice	10/4/2018	-5,000.00	
0087608	Rcpt A101518	Check#1010	10/15/2018	-2,173.12 See item 11	
0088529	1	Invoice	12/20/2018	7,450.00	
0088529	Rcpt A012419	Check#1028	1/24/2019	-7,450.00 See item 12	
0094157	,	Invoice	6/17/2020	1,250.00	
0094157	Rcpt A071320	Check #1082	7/13/2020	-1,250.00 See teim 13	
0094762		Invoice	8/21/2020	3,300.00	
0094762	Retainer	Invoice	8/21/2020	-1,000.00 See item 14	
0094762	Rcpt A090120	Check# 1127	9/1/2020	-2,300.00	Type t
	•			•	Type t
					<i>y</i> 1
Decinal Division				450 004 74	
Project Billed				150,804.74	
Project Received				-150,804.74	
Project Retainer				2,500.00	
Project Retainage					
Total for 01-05889-0				(TO 00 / TO	
Total Billed				150,804.74	
Total Received				-150,804.74	Type text here
Total Retainer				2,500.00	. ) po to/tt 11010
Total Retainage					
Catal					



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090 Fax: (877) 884-6775

Mr. Frank Simon September 21, 2015

 FLS Properties #5, LLC
 Project No:
 01-05889-0

 P.O. Box 689
 Invoice No:
 73902

 Bloomfield Hills, MI 48303
 Invoice Total
 \$14,015.00

Task Cost Mobilization, oversight, and sampling 600.00 Consultant equipment & supplies 575.00 Project management and report 4,250.00 Ground penetrating radar 1,400.00 Geoprobe drilling operations 2,700.00 Laboratory analysis 4,490.00 Total Fee 14,015.00

Subtotal 14,015.00

Total this Invoice \$14,015.00

ESA/Baseline

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

A1 - Phase II

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 Environmental Assessment

Invoice Payable Upon Receipt



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090 Fax: (877) 884-6775 3

Mr. Frank Simon June 27, 2016

 FLS Properties #5, LLC
 Project No:
 01-05889-0

 P.O. Box 689
 Invoice No:
 77059

Bloomfield Hills, MI 48303 Invoice Total \$5,690.00

Project Manager: Jamie Antoniewicz

Service Group 0003 856 North Old Woodward Avenue

Task	Cost
Mobilization, oversight sampling	725.00
Consultant equipment and supplies	200.00
Project management and reporting	1,950.00
Drilling and operations	1,975.00
Laboratory analysis	840.00
Total Fee	5,690.00

Subtotal 5,690.00

Total this Service \$5,690.00

Total this Invoice \$5,690.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

B5 - Additional Delineation

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



Mr. Frank Simon

PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

October 28, 2016 FLS Properties #5, LLC Project No: 01-05889-0 P.O. Box 689 Invoice No: 78957

Bloomfield Hills, MI 48303 Invoice Total \$10,000.00

Project Manager: Elizabeth Masserang

856 North Old Woodward Avenue, Birmingham, Michigan Service Group 0002

**Task** Cost Brownfield Plan 6,000.00 Brownfield Plan Change Order 1 2,500.00 381 Work Plan 1,500.00 Total Fee 10,000.00

> Subtotal 10,000.00

> > **Total this Service** \$10,000.00

**Total this Invoice** \$10,000.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

C1 - Brownfield Plan/381 Work Plan

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

5

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

January 4, 2017

Project No: 01-058 Invoice No: 798

Invoice Total \$1,500.00

Project Manager: Elizabeth Masserang

Service Group 0002

856 North Old Woodward Avenue, Birmingham, Michigan

#### Removed from Request (see cover memo)

Task	Cost
Brownfield Plan	0.00
Brownfield Plan Change Order 1	0.00
381 Work Plan	1,500.00
Total Fee	1,500.00
	Subtotal
	Total this Service

Total this Invoice \$1,500.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 C1 - Brownfield Plan/381 Work Plan

1,500.00

\$1,500.00

**Invoice Payable Upon Receipt** 



Toll Free: (800) 485-0090 Fax: (877) 884-6775

February 23, 2017

Project No: 01-05889-0
Invoice No: 80629

Invoice Total

0.00

Project Manager: Jamie Antoniewicz

Service Group 0004 856 North Old Woodward Avenue, Birmingham, Michigan

Task Cost

Vapor Barrier Work Plan and Meetings 3,750.00
Total Fee 3,750.00

Subtotal 3,750.00

**Additional Fees** 

Mr. Frank Simon

P.O. Box 689

FLS Properties #6, LLC

Bloomfield Hills, MI 48303

Check # 1194 10/18/16 -3,750.00

Total Additional Fees -3,750.00 -3,750.00

Total this Service 0.00

Total this Invoice 0.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 B8 - Vapor Barrier Specs

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Soil Excavation

Services from October 1, 2017 to November 17, 2017

Service Group 0005 November 30, 2017

Project No: 01-05889-0 Invoice No: 84128

Invoice Total \$11,595.61

B6 - Soils Oversight

856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Ferreira, Olivia	10/24/2017	2.50	80.00	200.00
Ferreira, Olivia	11/7/2017	.50	80.00	40.00
Ferreira, Olivia	11/8/2017	2.50	80.00	200.00
Ferreira, Olivia	11/17/2017	.50	80.00	40.00
Project Engineer				
Antoniewicz, Jamie	11/1/2017	2.50	120.00	300.00
Antoniewicz, Jamie	11/2/2017	1.00	120.00	120.00
Antoniewicz, Jamie	11/10/2017	2.50	120.00	300.00
Regional Manager - Field Serv	vices			
Lennon, Kelly	10/31/2017	1.25	110.00	137.50
Lennon, Kelly	11/1/2017	2.50	110.00	275.00
Lennon, Kelly	11/3/2017	2.00	110.00	220.00
Lennon, Kelly	11/6/2017	7.00	110.00	770.00
Lennon, Kelly	11/7/2017	9.00	110.00	990.00
Lennon, Kelly	11/8/2017	9.00	110.00	990.00
Lennon, Kelly	11/9/2017	9.00	110.00	990.00
Lennon, Kelly	11/10/2017	7.00	110.00	770.00
Lennon, Kelly	11/13/2017	9.00	110.00	990.00
Lennon, Kelly	11/14/2017	1.50	110.00	165.00
Lennon, Kelly	11/15/2017	1.50	110.00	165.00
Lennon, Kelly	11/16/2017	9.00	110.00	990.00
Lennon, Kelly	11/17/2017	6.50	110.00	715.00
Totals		86.25		9,367.50
Total Labor	-			

**Total Labor** 9,367.50

Reimbursable Expenses

Meals

11/9/2017 Lennon, Kelly Lunck KL 11.06

Project	01-05	889-0	The Pearl Dev	elopment			Invoice	84128
11/	10/2017	Lennon, Kelly		Lunch KL			11.06	
	13/2017	Lennon, Kelly		Coffee			3.27	
Parkin	g	, , , , , , , , , , , , , , , , , , ,						
	14/2017	Lennon, Kelly		parking Mo	eter Fee		3.45	
	14/2017	Lennon, Kelly		Parking M			3.45	
	14/2017	Lennon, Kelly		Parking M			3.45	
	15/2017	Lennon, Kelly		Parking M			1.15	
	16/2017	Lennon, Kelly		Parking M			1.15	
	17/2017	Lennon, Kelly		Parking M			9.20	
1 1/	1772017	Total Reimbui	sables	r arking ivi	CICI I CC		47.24	47.24
Additional	Fees							
ck # 13	223 10/12/	17					-15,000.00	
010 11		Total Addition	al Fees				-15,000.00	-15,000.00
Reimbursa	able Expe	nses						·
	nmental S							
	7/2017	Cicci, Joseph		HAZ site s	unnlies		64.62	
1 1/	1/2011	Total Reimbu	reables	I IAZ SILE S	applies		64.62	64.62
			Sables				04.02	04.02
Profession	nal Persor	nnel			Hours	Rate	Amount	
CAD	Operator			'	ilouis	Nate	Amount	
Sh	ninabarker	, Eric	10/31/2017		.75	70.00	52.50	
		rvices Division						
	atton, Adar		10/18/2017		.75	200.00	150.00	
	atton, Adar		10/19/2017		.75	200.00	150.00	
	atton, Adar		10/23/2017		.50	200.00	100.00	
	atton, Adar		10/27/2017		.50	200.00	100.00	
	atton, Adar		10/30/2017		.75	200.00	150.00	
	atton, Adar		10/31/2017		1.00	200.00	200.00	
	atton, Adar		11/6/2017		1.50	200.00	300.00	
	atton, Adar		11/7/2017		.50	200.00	100.00	
	atton, Adar		11/9/2017		1.00	200.00	200.00	
	atton, Adar		11/13/2017		.50	200.00	100.00	
	atton, Adar		11/13/2017		1.00	200.00	200.00	
	er and CE		11/14/2017		1.00	200.00	200.00	
	ulka, Micha		10/1/2017		.50	200.00	100.00	
	ılka, Micha		10/1/2017		1.00	200.00	200.00	
	ilka, Micha		10/3/2017		1.00	200.00	200.00	
	ilka, Micha		10/3/2017			200.00	200.00	
					1.00	200.00	200.00	
	ılka, Micha		10/5/2017		1.00			
	ılka, Micha		10/6/2017		1.00	200.00	200.00	
	ılka, Micha		10/9/2017		2.00	200.00	400.00	
	ılka, Micha		10/11/2017		1.50	200.00	300.00	
	ılka, Micha		10/12/2017		2.00	200.00	400.00	
	ulka, Micha		10/13/2017		1.50	200.00	300.00	
		e President	40/40/004=		<b>5</b> 0	000.00	400.00	
	ılka, Micha		10/16/2017		.50	200.00	100.00	
	ılka, Micha		10/17/2017		.50	200.00	100.00	
	ılka, Micha		10/18/2017		.50	200.00	100.00	
	ılka, Micha		10/19/2017		.50	200.00	100.00	
	ılka, Micha		10/24/2017		.50	200.00	100.00	
	ılka, Micha		10/25/2017		.50	200.00	100.00	
K.	ılka, Micha	ael	10/27/2017		3.00	200.00	600.00	
	ılka, Micha		11/6/2017		.50	200.00	100.00	

Project	01-05889-0	The Pearl Dev	elopment		Invoice	84128
-	Kulka, Michael	11/7/2017	.50	200.00	100.00	
1	Kulka, Michael	11/8/2017	.50	200.00	100.00	
	Kulka, Michael	11/9/2017	.50	200.00	100.00	
1	Kulka, Michael	11/10/2017	.50	200.00	100.00	
Proje	ect Engineer					
	Antoniewicz, Jamie	10/5/2017	1.00	120.00	120.00	
	Antoniewicz, Jamie	10/6/2017	2.00	120.00	240.00	
	Antoniewicz, Jamie	10/9/2017	.75	120.00	90.00	
	Antoniewicz, Jamie	10/16/2017	1.00	120.00	120.00	
	Antoniewicz, Jamie	10/18/2017	.75	120.00	90.00	
	Antoniewicz, Jamie	10/20/2017	.50	120.00	60.00	
	Antoniewicz, Jamie	10/23/2017	.50	120.00	60.00	
	Antoniewicz, Jamie	10/26/2017	1.00	120.00	120.00	
	Antoniewicz, Jamie	10/27/2017	.50	120.00	60.00	
	Antoniewicz, Jamie	10/30/2017	4.50	120.00	540.00	
	Antoniewicz, Jamie	10/31/2017	3.50	120.00	420.00	
	Antoniewicz, Jamie	11/1/2017	1.25	120.00	150.00	
	Antoniewicz, Jamie	11/3/2017	1.00	120.00	120.00	
	Antoniewicz, Jamie	11/6/2017	4.00	120.00	480.00	
	Antoniewicz, Jamie	11/7/2017	1.25	120.00	150.00	
	Antoniewicz, Jamie	11/8/2017	4.75	120.00	570.00	
	Antoniewicz, Jamie	11/9/2017	2.00	120.00	240.00	
	Antoniewicz, Jamie	11/13/2017	2.75	120.00	330.00	
	Antoniewicz, Jamie	11/14/2017	1.50	120.00	180.00	
	Antoniewicz, Jamie	11/16/2017	1.00	120.00	120.00	
	Antoniewicz, Jamie	11/17/2017	1.00	120.00	120.00	
	ional Manager / Senior Co	nsultant				
_	Kulka, Michael	11/15/2017	.50	160.00	80.00	
	Kulka, Michael	11/16/2017	.50	160.00	80.00	
	Kulka, Michael	11/17/2017	.50	160.00	80.00	
	Ritchie, Jennifer	10/4/2017	.50	160.00	80.00	
	Ritchie, Jennifer	10/5/2017	.50	160.00	80.00	
	Ritchie, Jennifer	10/12/2017	.50	160.00	80.00	
	Ritchie, Jennifer	10/13/2017	.50	160.00	80.00	
	Ritchie, Jennifer	10/16/2017	.25	160.00	40.00	
	nnical Admin Coordinator					
	Craib, Shelia	11/1/2017	.50	70.00	35.00	
	ect Manager Assistant I					
-	Durecka, Chelsea	10/13/2017	.50	65.00	32.50	
	Totals		71.75		11,050.00	
	Total Labor	r	-		,	11,050.00
Daimh	sable Expenses					,
	-					
	nits/Fees		EDA 0:: 15 E		F7 F0	
1	0/10/2017 Antoniewicz		EPA Site ID Fee		57.50	
	Total Reim	bursables			57.50	57.50
Consulta	ants					
Subs	s - Analytical					
	1/2/2017 Merit Labor	atories, Inc.	samples #84683		2,374.75	
	1/13/2017 Merit Labor		samples 11/08 #85	013	1,380.00	
	1/13/2017 Merit Labor		samples 11/08 #85		920.00	
	1/13/2017 Merit Labor		samples 11/08 #85		1,334.00	
•	Total Cons		1	-	6,008.75	6,008.75

Project	01-05889-0	The Pearl Development	Invoid	ce 84128	
			Total this Service	\$11,595.61	
			Total this Invoice	\$11,595.61	

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

8

January 19, 2018

Project No:

Invoice No:

**Invoice Total** 

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Soil Excavation

Services from October 1, 2017 to November 17, 2017

0005

\$27,064.95

01-05889-0

84715

B6 - Soils Oversight

Service Group

856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	12/8/2017	8.50	80.00	680.00
Ferreira, Olivia	11/20/2017	6.50	80.00	520.00
Ferreira, Olivia	11/21/2017	11.00	80.00	880.00
Ferreira, Olivia	11/29/2017	10.00	80.00	800.00
Ferreira, Olivia	12/4/2017	9.00	80.00	720.00
Ferreira, Olivia	12/5/2017	10.00	80.00	800.00
Ferreira, Olivia	12/6/2017	10.00	80.00	800.00
Ferreira, Olivia	12/7/2017	9.00	80.00	720.00
Ferreira, Olivia	12/11/2017	9.00	80.00	720.00
Ferreira, Olivia	12/12/2017	8.25	80.00	660.00
Ferreira, Olivia	12/13/2017	5.25	80.00	420.00
Ferreira, Olivia	12/14/2017	9.00	80.00	720.00
Ferreira, Olivia	12/15/2017	9.00	80.00	720.00
Ferreira, Olivia	12/18/2017	9.50	80.00	760.00
Ferreira, Olivia	12/19/2017	8.75	80.00	700.00
Ferreira, Olivia	12/20/2017	8.00	80.00	640.00
Ferreira, Olivia	12/21/2017	8.00	80.00	640.00
Flessner, Brett	11/22/2017	10.50	80.00	840.00
Snow, Aaron	11/20/2017	4.00	80.00	320.00
Snow, Aaron	12/22/2017	8.75	80.00	700.00
Teitsma, Christopher	12/26/2017	11.00	80.00	880.00
Teitsma, Christopher	12/27/2017	11.00	80.00	880.00
Teitsma, Christopher	12/28/2017	11.00	80.00	880.00
Teitsma, Christopher	12/29/2017	11.00	80.00	880.00
Regional Manager - Field Services				
Lennon, Kelly	11/22/2017	.50	110.00	55.00
Lennon, Kelly	11/27/2017	5.50	110.00	605.00
Lennon, Kelly	11/28/2017	9.00	110.00	990.00

Project	01-058	89-0	The Pearl Dev	elopment		Invoice	84715
	Lennon, Kelly	,	11/30/2017	8.50	110.00	935.00	
	Lennon, Kelly	,	12/1/2017	7.00	110.00	770.00	
	Lennon, Kelly	,	12/22/2017	.50	110.00	55.00	
	Lennon, Kelly	,	12/23/2017	.50	110.00	55.00	
		Totals		247.50		20,745.00	
		Total Labor					20,745.00
Reimbu	rsable Expen	ses					
Mea	als						
1	1/20/2017	Lennon, Kelly		Lunch KL		12.27	
1	1/21/2017	Ferreira, Olivia		water for field staff		4.01	
1	1/24/2017	Ferreira, Olivia		lunch for field staff		8.27	
1	1/24/2017	Flessner, Brett		lunch bf		4.58	
1	1/24/2017	Flessner, Brett		lunch bf		9.30	
1	1/29/2017	Ferreira, Olivia		lunch for field staff	· Tim	9.50	
				hortans			
	1/30/2017	Lennon, Kelly		Lunch KL		10.71	
	2/4/2017	Ferreira, Olivia		lunch for field staff hortans	·Tim	7.66	
1	2/7/2017	Ferreira, Olivia		water for field staff		3.78	
1	2/8/2017	Ferreira, Olivia		lunch for field staff		9.50	
1	2/8/2017	Ferreira, Olivia		water for field staff		3.78	
1	2/13/2017	Ferreira, Olivia		water for field staff		4.03	
1	2/15/2017	Ferreira, Olivia		lunch for field staff		13.63	
1	2/20/2017	Ferreira, Olivia		water for field staff		4.03	
1	2/22/2017	Ferreira, Olivia		water for field staff		3.44	
1	2/22/2017	Snow, Aaron		lunch for AS		8.52	
1	2/27/2017	Teitsma, Christo	oher	Lunch CT		12.88	
Park	king						
1	1/20/2017	Lennon, Kelly		parking meter		6.90	
1	1/21/2017	Ferreira, Olivia		metered parking		6.33	
1	1/21/2017	Ferreira, Olivia		metered parking		4.60	
1	1/22/2017	Ferreira, Olivia		metered parking		9.20	
1	1/24/2017	Flessner, Brett		meter		5.18	
1	1/24/2017	Flessner, Brett		meter		3.45	
1	1/28/2017	Lennon, Kelly		parking meter		2.30	
1	1/28/2017	Lennon, Kelly		parking meter		2.30	
1	1/29/2017	Lennon, Kelly		parking meter		9.20	
	1/30/2017	Ferreira, Olivia		metered parking no	reciept	4.60	
	2/1/2017	Lennon, Kelly		Meter Parking	•	2.30	
	2/5/2017	Ferreira, Olivia		metered parking no	reciept	6.90	
	2/7/2017	Ferreira, Olivia		metered parking - n	•	6.90	
	2/8/2017	Ferreira, Olivia		metered parking - r		8.05	
	2/14/2017	Ferreira, Olivia		metered parking - n		3.45	
	2/15/2017	Ferreira, Olivia		metered parking - r	•	5.75	
	2/19/2017	Ferreira, Olivia		metered parking - r	-	6.90	
	2/20/2017	Ferreira, Olivia		metered parking - r	-	5.75	
	2/21/2017	Ferreira, Olivia		metered parking - r	-	8.63	
	2/22/2017	Ferreira, Olivia		metered parking no	-	5.75	
	, _•	Total Reimburs	ables	pag 110	2-1-1-10	244.33	244.33
Reimbu	rsable Expen	ses					
Env	Equip. Rental	I					
	1/30/2017	Argus Group Inc		10/31-11/28 rental		159.77	
	ironmental Su			. , ,			
	2/15/2017	Premier Safety		Auth Kelly/Jamie		159.77	

Project	01-05	889-0	The Pearl	Development			Invoice	84715
Meals								
	1/2017	Antoniewicz, J	lamie	Lunch			11.21	
Parking								
11/2	4/2017	Flessner, Bret	t	meter			3.45	
		Total Reimbu	rsables				334.20	334.20
Jnit Billing								
ndustrial Hy	/giene Su	ıpplies						
12/8/201	7				1.0 E	ach @ 10.00	10.00	
/lileage								
11/20/20	17				102.0 I	Viles @ 0.56	57.12	
11/22/20	17				160.0 I	Viles @ 0.56	89.60	
11/29/20	17				15.0 l	Miles @ 0.56	8.40	
12/4/201	7				15.0 l	Viles @ 0.56	8.40	
12/5/201	7				15.0 l	Miles @ 0.56	8.40	
12/8/201	7				15.0 [	Miles @ 0.56	8.40	
12/12/20						Miles @ 0.56	16.80	
12/13/20						Miles @ 0.56	8.40	
12/18/20						Miles @ 0.56	8.40	
12/18/20						Miles @ 0.56	8.40	
12/20/20						Miles @ 0.56	16.80	
12/22/20	17				12.0 I	Miles @ 0.56	6.72	
12/26/20	17					Miles @ 0.56	318.08	
ID- 10.6 V								
11/20/20	17				1.0 [	Day @ 55.00	55.00	
12/8/201						Day @ 55.00	55.00	
12/12/20						Day @ 55.00	55.00	
12/13/20						ays @ 55.00	27.50	
12/18/20						ays @ 55.00	27.50	
12/18/20						Day @ 55.00	55.00	
12/20/20						Day @ 55.00	55.00	
PID- 11.7 V						ouy © 00.00	00.00	
11/22/20	17				101	Day @ 55.00	55.00	
12/26/20						ays @ 55.00	220.00	
12/20/20		Total Units			1.0 B	uyo © 00.00	1,178.92	1,178.92
rofessiona	al Persor	nnel					•	•
					Hours	Rate	Amount	
	strative As							
	adagni, S		11/30/20		.50	50.00	25.00	
	adagni, S		12/6/20		.25	50.00	12.50	
	adagni, S		12/11/20		.25	50.00	12.50	
Gua	adagni, S	usan	12/13/20	)17	.25	50.00	12.50	
	adagni, S		12/19/20		.25	50.00	12.50	
	adagni, S		12/21/20		.25	50.00	12.50	
Gua	adagni, S	usan	12/28/20	)17	.25	50.00	12.50	
	son, Nath		11/30/20	017	.25	50.00	12.50	
Econom	nic Incent	ive Staff Consul	tant					
Mas	sserang,	Elizabeth	10/13/20	)17	.50	90.00	45.00	
Director	r, Env Se	rvices Division						
Kul	ka, Micha	ael	11/27/20	017	.50	200.00	100.00	
Kul	ka, Micha	ael	11/28/20	017	.50	200.00	100.00	
Kul	ka, Micha	ael	11/29/20	017	.50	200.00	100.00	
Pat	ton, Adar	m	10/2/20	)17	.50	200.00	100.00	
Pat	ton, Adar	m	10/4/20	)17	.50	200.00	100.00	
Pat	ton, Adar	m	10/6/20	)17	.50	200.00	100.00	

Project 0	1-05889-0	The Pearl Deve	elopment		Invoice	84715
Project Engi	neer					
	wicz, Jamie	11/20/2017	1.50	120.00	180.00	
Antonie	wicz, Jamie	11/21/2017	.50	120.00	60.00	
Antonie	wicz, Jamie	11/27/2017	.50	120.00	60.00	
Antonie	wicz, Jamie	11/28/2017	.75	120.00	90.00	
Antonie	wicz, Jamie	11/30/2017	1.00	120.00	120.00	
Antonie	wicz, Jamie	12/4/2017	1.75	120.00	210.00	
Antonie	wicz, Jamie	12/5/2017	1.00	120.00	120.00	
Antonie	wicz, Jamie	12/11/2017	2.00	120.00	240.00	
Antonie	wicz, Jamie	12/12/2017	1.00	120.00	120.00	
Antonie	wicz, Jamie	12/13/2017	1.00	120.00	120.00	
Antonie	wicz, Jamie	12/14/2017	2.00	120.00	240.00	
Antonie	wicz, Jamie	12/15/2017	.25	120.00	30.00	
Antonie	wicz, Jamie	12/26/2017	.25	120.00	30.00	
Regional Ma	anager / Senior Co	onsultant				
Kulka, N	/lichael	11/20/2017	1.00	160.00	160.00	
Kulka, N	/lichael	11/21/2017	1.00	160.00	160.00	
Kulka, N	/lichael	11/22/2017	1.00	160.00	160.00	
Ritchie,	Jennifer	12/4/2017	.25	160.00	40.00	
Ritchie,	Jennifer	12/5/2017	.25	160.00	40.00	
Ritchie,	Jennifer	12/8/2017	.25	160.00	40.00	
Ritchie,	Jennifer	12/14/2017	.25	160.00	40.00	
Staff Scientis	st III					
Snow, A	aron	12/21/2017	.50	100.00	50.00	
Snow, A	aron	12/22/2017	.50	100.00	50.00	
Project Mana	ager Assistant I					
Durecka	ı, Chelsea	11/20/2017	.25	65.00	16.25	
Durecka	ı, Chelsea	11/21/2017	.25	65.00	16.25	
Durecka	ı, Chelsea	11/30/2017	.50	65.00	32.50	
	Totals		25.25		3,182.50	
	Total Labo	r				3,182.50
Consultants						
Subs - Analy	/tical					
11/28/20		ratories, Inc.	samples 11/17 #85	310	460.00	
11/30/20		ratories, Inc.	samples 11/21 #85		460.00	
12/5/201	7 Merit Laboi	ratories, Inc.	Samples		460.00	
	Total Cons		•		1,380.00	1,380.00
				Total this	Service	\$27,064.95
				Total this	s Invoice	\$27,064.95

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

#### **Invoice Payable Upon Receipt**



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

9

Mr. Frank Simon March 8, 2018

 FLS Properties #5, LLC
 Project No:
 01-05889-0

 P.O. Box 689
 Invoice No:
 85166

Bloomfield Hills, MI 48303 Invoice Total \$28,402.73

Project Manager: Jamie Antoniewicz

B6 - Soils Oversight

Services from January 2, 2018 to March 2, 2018

Service Group 0005 856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	2/26/2018	2.25	80.00	180.00
Cicci, Joseph	2/5/2018	9.50	80.00	760.00
Cicci, Joseph	2/7/2018	10.50	80.00	840.00
Cicci, Joseph	2/13/2018	9.00	80.00	720.00
Cicci, Joseph	2/15/2018	11.00	80.00	880.00
Cicci, Joseph	2/19/2018	9.50	80.00	760.00
Cicci, Joseph	2/20/2018	2.25	80.00	180.00
Cicci, Joseph	2/26/2018	1.00	80.00	80.00
Ferreira, Olivia	1/16/2018	.25	80.00	20.00
Flessner, Brett	2/2/2018	10.25	80.00	820.00
Kulka, Michael	2/16/2018	.50	80.00	40.00
Miller, Marcus	2/28/2018	9.50	80.00	760.00
Project Engineer				
Antoniewicz, Jamie	1/4/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/5/2018	1.25	120.00	150.00
Antoniewicz, Jamie	1/8/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/12/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/18/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/19/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/23/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/24/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/26/2018	.50	120.00	60.00
Antoniewicz, Jamie	1/29/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/30/2018	2.50	120.00	300.00
Antoniewicz, Jamie	1/31/2018	1.00	120.00	120.00
Antoniewicz, Jamie	2/2/2018	3.00	120.00	360.00
Antoniewicz, Jamie	2/5/2018	1.50	120.00	180.00
Antoniewicz, Jamie	2/6/2018	1.00	120.00	120.00
Antoniewicz, Jamie	2/7/2018	1.75	120.00	210.00

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	Antoniewicz	, Jamie	2/8/2018	1.00	120.00	120.00	
,	Antoniewicz	, Jamie	2/9/2018	.50	120.00	60.00	
,	Antoniewicz	, Jamie	2/16/2018	1.00	120.00	120.00	
Staff	Scientist III						
I	Prowse, Ber	njamin	2/1/2018	.50	100.00	50.00	
Rese	earch Consu	ıltant II					
ı	MacLean, M	laureen	2/8/2018	.50	60.00	30.00	
Regi	onal Manag	er - Field Service	s				
I	Kulka, Micha	ael	2/16/2018	1.00	110.00	110.00	
I	Lennon, Kel	ly	1/2/2018	.50	110.00	55.00	
I	Lennon, Kel	ly	1/16/2018	1.00	110.00	110.00	
I	Lennon, Kel	ly	1/29/2018	.50	110.00	55.00	
I	Lennon, Kel	ly	1/30/2018	9.50	110.00	1,045.00	
I	Lennon, Kel	ly	1/31/2018	9.25	110.00	1,017.50	
I	Lennon, Kel	ly	2/1/2018	10.00	110.00	1,100.00	
	Lennon, Kel	-	2/2/2018	3.50	110.00	385.00	
I	Lennon, Kel	ly	2/6/2018	10.25	110.00	1,127.50	
	Lennon, Kel	-	2/7/2018	.75	110.00	82.50	
I	Lennon, Kel	ly	2/8/2018	9.75	110.00	1,072.50	
I	Lennon, Kel	ly	2/12/2018	10.00	110.00	1,100.00	
I	Lennon, Kel	ly	2/13/2018	2.00	110.00	220.00	
ı	Lennon, Kel	ly	2/14/2018	10.50	110.00	1,155.00	
I	Lennon, Kel	ly	2/16/2018	9.00	110.00	990.00	
I	Lennon, Kel	ly	2/21/2018	3.50	110.00	385.00	
I	Lennon, Kel	ly	2/22/2018	2.00	110.00	220.00	
ı	Lennon, Kel	ly	2/26/2018	1.50	110.00	165.00	
	Lennon, Kel	-	2/27/2018	4.25	110.00	467.50	
	Lennon, Kel	ly	3/2/2018	1.50	110.00	165.00	
	Scientist I						
I	Ferreira, Oli	via	1/2/2018	1.00	90.00	90.00	
		Totals		203.25		20,297.50	
		Total Labor					20,297.50
Reimbur	sable Expe	nses					
Envi	ronmental S	upplies					
2.	/13/2018	Cicci, Joseph		Water JO		2.29	
Park	ing						
2.	/5/2018	Flessner, Brett		meter		1.15	
2.	/5/2018	Flessner, Brett		meter		2.59	
2.	/5/2018	Flessner, Brett		meter		2.88	
2,	/13/2018	Cicci, Joseph		Parking meter		9.78	
2	/15/2018	Cicci, Joseph		Parking at Pearl		10.35	
2.	/20/2018	Cicci, Joseph		Parking		6.33	
		Total Reimbur	rsables			35.37	35.37
Reimbur	sable Expe	nses					
Envi	ronmental S	upplies					
	/19/2018	Premier Safety	,	Auth Kelley/Jamie		1,219.67	
	/22/2018	Premier Safety		Rental		106.09	
Meal		7-9					
	/2/2018	Teitsma, Chris	topher	Lunch CT		14.72	
	/2/2018	Teitsma, Chris	-	Lunch CT		12.40	
	/1/2018	Lennon, Kelly	r =	lunch KL		6.82	
	/5/2018	Lennon, Kelly		coffee for PM and	НМ	11.91	
	: OH Reimbu	-		Sold of the and			
	/2/2018	Teitsma, Chris	topher	Waters No rec. give	en CT	2.98	
	, _, _ 0 1 0	Tottorna, Orino		. , a.c., c , 40 100. giv		2.00	

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Parking						
-	/2018 Lennon, k	Kelly	meter parking no r	eceipt	9.20	
		•	provided		-	
2/1/2	2018 Lennon, k	Kelly	parking		9.20	
2/2/2	2018 Lennon, k	Kelly	parking		9.20	
2/5/2	2018 Cicci, Jos	eph	Parking meter		7.48	
2/7/2	2018 Cicci, Jos	eph	Parking meter		9.20	
2/7/2	2018 Lennon, k	Kelly	parking		9.20	
2/13	/2018 Lennon, k	Kelly	parking		9.20	
Permits	/Fees					
2/9/2	2018 Lennon, k	Kelly	parking		9.20	
	Total Rei	mbursables			1,446.47	1,446.47
Jnit Billing						
	giono Supplios					
1/29/201	giene Supplies		505	ach @ 10.00	50.00	
2/5/2018				ach @ 10.00	10.00	
2/9/2018				ach @ 10.00	50.00	
2/9/2016				ach @ 10.00	20.00	
	O		2.0 E	aon 🐷 10.00	20.00	
fileage 1/29/201	8		55 O	Miles @ 0.56	30.80	
2/2/2018				Miles @ 0.56	95.20	
2/5/2018				Miles @ 0.56	6.72	
2/7/2018				Miles @ 0.56	6.72	
2/9/2018				Miles @ 0.56	30.80	
2/13/2010				Miles @ 0.56	6.72	
2/13/201				Miles @ 0.56	12.32	
2/15/201				Miles @ 0.56	6.16	
2/20/201				Miles @ 0.56	6.16	
2/28/201				Miles @ 0.56	6.72	
3/1/2018				Miles @ 0.56	12.32	
7ID- 10.6 V			22.0	Willes & 0.50	12.02	
1/29/201	8		500	ays @ 55.00	275.00	
2/2/2018				Day @ 55.00	55.00	
2/5/2018				Day @ 55.00 Day @ 55.00	55.00	
2/7/2018				Day @ 55.00 Day @ 55.00	55.00	
2/9/2018				ays @ 55.00	275.00	
2/3/2010				Day @ 55.00	55.00	
2/13/201				Day @ 55.00 Days @ 55.00	110.00	
2/15/201				Day @ 55.00	55.00	
2/20/201				ays @ 55.00	27.50	
2/28/201				Day @ 55.00	55.00	
<i>L, L</i> 0 <i>, L</i> 0 I	o Total Uni	ts	1.0	-ay = 00.00	1,368.14	1,368.14
					-,	-,
rotessiona	al Personnel			_	_	
			Hours	Rate	Amount	
	trative Assistant I					
	ett, Hannah	1/4/2018	.25	50.00	12.50	
	adagni, Susan	2/8/2018	.25	50.00	12.50	
	adagni, Susan	2/9/2018	.25	50.00	12.50	
	adagni, Susan	2/14/2018	.25	50.00	12.50	
	adagni, Susan	2/16/2018	.25	50.00	12.50	
	adagni, Susan	2/26/2018	.25	50.00	12.50	
	adagni, Susan	3/1/2018	.25	50.00	12.50	
	son, Nathan	1/3/2018	.25	50.00	12.50	

Project	01-05889-0	The Pearl Dev	elopment		Invoice	85166
Directo	r, Env Services Div	vision				
Pat	tton, Adam	2/20/2018	.75	200.00	150.00	
Pat	tton, Adam	2/26/2018	.50	200.00	100.00	
Principa	al and Vice Preside	ent				
Kul	lka, Michael	2/5/2018	.50	200.00	100.00	
Kul	lka, Michael	2/6/2018	.50	200.00	100.00	
Kul	lka, Michael	2/12/2018	.50	200.00	100.00	
Kul	lka, Michael	2/13/2018	.50	200.00	100.00	
Kul	lka, Michael	2/14/2018	.50	200.00	100.00	
Kul	lka, Michael	2/15/2018	.50	200.00	100.00	
Kul	lka, Michael	2/16/2018	.50	200.00	100.00	
Kul	lka, Michael	2/26/2018	.50	200.00	100.00	
Project	Engineer					
Ant	toniewicz, Jamie	1/16/2018	.50	120.00	60.00	
Ant	toniewicz, Jamie	2/21/2018	3.25	120.00	390.00	
Ant	toniewicz, Jamie	2/22/2018	1.00	120.00	120.00	
Ant	toniewicz, Jamie	2/23/2018	.50	120.00	60.00	
Ant	toniewicz, Jamie	2/26/2018	.75	120.00	90.00	
An	toniewicz, Jamie	3/1/2018	1.00	120.00	120.00	
An	toniewicz, Jamie	3/2/2018	.50	120.00	60.00	
Region	al Manager / Senic	or Consultant				
Rite	chie, Jennifer	1/4/2018	.50	160.00	80.00	
Staff So	cientist III					
Arr	nett, Hannah	2/6/2018	.25	100.00	25.00	
Arr	nett, Hannah	2/8/2018	1.00	100.00	100.00	
Arr	nett, Hannah	2/9/2018	2.00	100.00	200.00	
Arr	nett, Hannah	2/28/2018	.25	100.00	25.00	
Project	Manager Assistan	t I				
Arr	nett, Hannah	1/23/2018	.75	65.00	48.75	
Arr	nett, Hannah	1/24/2018	.50	65.00	32.50	
Arr	nett, Hannah	1/25/2018	.25	65.00	16.25	
Ble	vins, Courtney	1/12/2018	.50	65.00	32.50	
Ble	vins, Courtney	1/18/2018	.50	65.00	32.50	
Ble	vins, Courtney	2/21/2018	.75	65.00	48.75	
Staff So	cientist I					
Fee	eny, Ryan	2/1/2018	.25	90.00	22.50	
	Totals		22.25		2,713.75	
	Total L	abor				2,713.75
onsultant	s					
	Analytical					
	•	aboratories, Inc.	Labs		230.00	
		aboratories, Inc.	Labs		460.00	
		aboratories, Inc.	TO-15		460.00	
		aboratories, Inc.	Parameter		126.50	
		aboratories, Inc. aboratories, Inc.	Labs		460.00	
		aboratories, Inc.	Labs		345.00	
		aboratories, Inc.	Labs		460.00	
2/20		aboratories, inc. Consultants	Laus		<b>2,541.50</b>	2,541.50
	. 5.3.1			Total this		\$28,402.73
						<b>***</b>
				Total this	s Invoice	\$28,402.73

Project 01-05889-0 The Pearl Development Invoice 85166

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Services from March 2, 2018 to March 30, 2018

April 6, 2018 Project No:

Invoice No:

01-05889-0 85575

**Invoice Total** \$14,613.33

B6 - Soils Oversight

Service Group 0005 856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	3/12/2018	8.50	80.00	680.00
Cicci, Joseph	3/5/2018	8.75	80.00	700.00
Cicci, Joseph	3/6/2018	6.00	80.00	480.00
Cicci, Joseph	3/7/2018	1.00	80.00	80.00
Lieder, Nicholas	3/16/2018	.50	80.00	40.00
Wilcox, Danielle	3/13/2018	7.00	80.00	560.00
Wilcox, Danielle	3/14/2018	11.00	80.00	880.00
Wilcox, Danielle	3/15/2018	10.00	80.00	800.00
Wilcox, Danielle	3/16/2018	9.00	80.00	720.00
Wilcox, Danielle	3/19/2018	11.00	80.00	880.00
Wilcox, Danielle	3/20/2018	10.00	80.00	800.00
Wilcox, Danielle	3/21/2018	9.50	80.00	760.00
Wilcox, Danielle	3/22/2018	3.25	80.00	260.00
Project Engineer				
Antoniewicz, Jamie	3/23/2018	1.25	140.00	175.00
Antoniewicz, Jamie	3/26/2018	1.00	140.00	140.00
Antoniewicz, Jamie	3/27/2018	1.25	140.00	175.00
Antoniewicz, Jamie	3/28/2018	1.50	140.00	210.00
Regional Manager - Field Servi	ces			
Lennon, Kelly	3/5/2018	1.50	110.00	165.00
Lennon, Kelly	3/6/2018	.50	110.00	55.00
Lennon, Kelly	3/8/2018	9.00	110.00	990.00
Lennon, Kelly	3/9/2018	9.25	110.00	1,017.50
Lennon, Kelly	3/14/2018	3.00	110.00	330.00
Totals		123.75		10,897.50
Total Labor				

**Total Labor** 10,897.50

Reimbursable Expenses

**Environmental Supplies** 

2/28/2018 Miller, Marcus Water for 9.06

Project	01-0	5889-0 T	he Pearl Development	Invoice	85575
Meals					
3/1:	2/2018	Lennon, Kelly	Lunch/Soup KL/DW	8.99	
Parking		- , <b>,</b>			
	5/2018	Lennon, Kelly	Parking	9.20	
	9/2018	Lennon, Kelly	Parking	9.20	
	2018	Cicci, Joseph	Parking meter	9.20	
	/2018	Cicci, Joseph	Parking meter	9.20	
	2018	Lennon, Kelly	Parking	9.20	
	2/2018	Lennon, Kelly	Parking	9.20	
0, 11	_,,	Total Reimbursa	9	73.25	73.25
Reimbursa	ıble Expe	enses			
	nmental S				
	/2018	Premier Safety	Rental	6.37	
Meals	2010	r remier dancty	remai	0.07	
	4/2018	Antoniewicz, Jam	ie Lunch	8.04	
J/ 1-	1/2010	Total Reimbursa		14.41	14.41
Unit Billing	,			• •	
_		unnling			
Industrial H		upplies	4.0 Fook @ 40.00	10.00	
3/8/201			1.0 Each @ 10.00	10.00	
3/9/201			1.0 Each @ 10.00	10.00	
3/13/20			1.0 Each @ 10.00	10.00	
3/13/20			1.0 Each @ 10.00	10.00	
3/14/20			1.0 Each @ 10.00	10.00	
3/15/20			1.0 Each @ 10.00	10.00	
3/16/20			1.0 Each @ 10.00	10.00	
3/19/20			1.0 Each @ 10.00	10.00	
3/20/20			1.0 Each @ 10.00	10.00	
3/21/20			1.0 Each @ 10.00	10.00	
3/23/20	18		1.0 Each @ 10.00	10.00	
Mileage	0		42.0 Miles @ 0.50	0.70	
3/5/201			12.0 Miles @ 0.56	6.72	
3/6/201			12.0 Miles @ 0.56	6.72	
3/7/201			12.0 Miles @ 0.56	6.72	
3/8/201			12.0 Miles @ 0.56	6.72	
3/9/201			12.0 Miles @ 0.56	6.72	
3/13/20			12.0 Miles @ 0.56	6.72	
3/13/20			26.0 Miles @ 0.56	14.56	
3/14/20			12.0 Miles @ 0.56	6.72	
3/15/20			12.0 Miles @ 0.56	6.72	
3/16/20			12.0 Miles @ 0.56	6.72	
3/19/20			12.0 Miles @ 0.56	6.72	
3/20/20			12.0 Miles @ 0.56	6.72	
3/21/20			12.0 Miles @ 0.56	6.72	
3/23/20			12.0 Miles @ 0.56	6.72	
PID- 10.6 V			4.0 Day @ 55.00	55 OO	
3/5/201			1.0 Day @ 55.00	55.00 55.00	
3/6/201			1.0 Day @ 55.00	55.00 55.00	
3/8/201			1.0 Day @ 55.00	55.00	
3/9/201			1.0 Day @ 55.00	55.00	
3/13/20			1.0 Day @ 55.00	55.00	
3/14/20			1.0 Day @ 55.00	55.00	
3/15/20			1.0 Day @ 55.00	55.00	
3/16/20			1.0 Day @ 55.00	55.00	
3/19/20	18		1.0 Day @ 55.00	55.00	

roject C	1-05889-0	The Pearl Dev	elopment		Invoice	85575
3/20/2018			1.	0 Day @ 55.00	55.00	
3/21/2018				0 Day @ 55.00		
3/23/2018				0 Day @ 55.00		
ID- 11.7 V				-		
3/13/2018			1.	0 Day @ 55.00	55.00	
	Total Units	<b>;</b>			926.92	926.92
rofessional Pe	ersonnel					
			Hours	Rate	Amount	
Administrati	ve Assistant I					
Guadaç	jni, Susan	3/9/2018	.25	50.00	12.50	
Guadaç	jni, Susan	3/12/2018	.50	50.00	25.00	
Guadaç	ni, Susan	3/14/2018	.25	50.00	12.50	
_	ni, Susan	3/15/2018	.25	50.00	12.50	
_	ni, Susan	3/19/2018	.25	50.00	12.50	
_	gni, Susan	3/20/2018	.25	50.00	12.50	
	ni, Susan	3/21/2018	.25	50.00	12.50	
•	ni, Susan	3/22/2018	.25	50.00	12.50	
•	ni, Susan	3/23/2018	.25	50.00	12.50	
_	v Services Division		0	2-1		
	wicz, Jamie	3/12/2018	.75	200.00	150.00	
	wicz, Jamie	3/13/2018	1.50	200.00	300.00	
	wicz, Jamie	3/14/2018	.25	200.00	50.00	
	wicz, Jamie	3/16/2018	.50	200.00	100.00	
Patton,		3/29/2018	.50	200.00	100.00	
Project Eng		555				
	wicz, Jamie	3/7/2018	2.00	120.00	240.00	
	wicz, Jamie	3/9/2018	2.50	120.00	300.00	
Project Eng		0/0/2010	2.00	120.00	000.00	
	wicz, Jamie	3/19/2018	2.00	140.00	280.00	
	wicz, Jamie	3/21/2018	1.00	140.00	140.00	
	wicz, Jamie	3/22/2018	.25	140.00	35.00	
	wicz, Jamie wicz, Jamie	3/29/2018	1.00	140.00	140.00	
	wicz, Jamie wicz, Jamie	3/30/2018	.50	140.00	70.00	
	anager / Senior Co		.50	140.00	70.00	
-	Jennifer	3/19/2018	.50	160.00	80.00	
	dmin Coordinator	3/19/2016	.50	100.00	00.00	
Craib, S		3/8/2018	.25	70.00	17.50	
		3/0/2010	.25	70.00	17.50	
	ager Assistant I Courtney	2/40/2049	1.05	65.00	04.25	
bievins	•	3/19/2018	1.25	65.00	81.25	
	Totals	_	17.25		2,208.75	0.000 ==
	Total Labo	r				2,208.75
onsultants						
Subs - Anal	•					
3/21/201	8 Merit Labor	atories, Inc.	Labs		460.00	
	Total Cons	ultants			460.00	460.00
				<b>T</b> . 4 . 1 41	is Service	\$14,580.83

0006

Service Group

856 North Old Woodward Avenue, Birmingham, Michigan

Project	01-05889-0	The Pearl Development	•		Invoice	85575
Profession	nal Personnel					
			Hours	Rate	Amount	
Projec	t Manager Assistant I					
Dι	urecka, Chelsea	10/13/2017	.50	65.00	32.50	
	SG 0006 Set-up					
	Totals		.50		32.50	
	Total Labo	or				32.50
				Total this	Service	\$32.50
				Total this	Invoice	\$14,613.33

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 





PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

P.O. Box 689

Mr. Frank Simon

Bloomfield Hills, MI 48303

FLS Properties #5, LLC

Project Manager: Jamie Antoniewicz

Services till September 28, 2018

October 4, 2018

Project No: 01-05889-0 Invoice No: 87608

Invoice Total \$2,173.12

B6 - Soils Oversight

Service Group 0006 856 North Old Woodward Avenue, Birmingham, Michigan

### **Professional Personnel**

		Hours	Rate	Amount
Administrative Assistant I				
Doty, Ryan	8/15/2018	1.75	50.00	87.50
Guadagni, Susan	8/16/2018	.50	50.00	25.00
Director, Env Services Division				
Patton, Adam	8/17/2018	1.00	200.00	200.00
Patton, Adam	9/7/2018	1.00	200.00	200.00
Project Engineer				
Antoniewicz, Jamie	4/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	4/27/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/16/2018	1.75	120.00	210.00
Antoniewicz, Jamie	5/17/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/21/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/24/2018	.25	120.00	30.00
Antoniewicz, Jamie	5/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	5/29/2018	.50	120.00	60.00
Antoniewicz, Jamie	6/21/2018	.75	120.00	90.00
Antoniewicz, Jamie	8/15/2018	1.50	120.00	180.00
Antoniewicz, Jamie	8/16/2018	.50	120.00	60.00
Antoniewicz, Jamie	8/20/2018	1.00	120.00	120.00
Antoniewicz, Jamie	8/21/2018	.75	120.00	90.00
Antoniewicz, Jamie	8/29/2018	2.00	120.00	240.00
Antoniewicz, Jamie	9/7/2018	1.75	120.00	210.00
Antoniewicz, Jamie	9/10/2018	1.00	120.00	120.00
Antoniewicz, Jamie	9/11/2018	.50	120.00	60.00
Antoniewicz, Jamie	9/12/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/13/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/21/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/25/2018	.50	120.00	60.00
Antoniewicz, Jamie	9/28/2018	.50	120.00	60.00
Project Engineer				
Antoniewicz, Jamie	4/4/2018	.25	140.00	35.00

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project (	01-05889-0	The Pearl D	evelopment			Invoice	87608
Antonie	ewicz, Jamie	4/6/201	8	.50	140.00	70.00	
Antonie	ewicz, Jamie	4/9/201	8	1.00	140.00	140.00	
Antonie	ewicz, Jamie	4/10/201	8	.50	140.00	70.00	
Antonie	ewicz, Jamie	4/12/201	8	.50	140.00	70.00	
Antonie	ewicz, Jamie	4/14/201	8	.50	140.00	70.00	
Technical A	Admin Coordinator						
Craib,	Shelia	9/17/201	8	.50	70.00	35.00	
Project Mar	nager Assistant I						
Blevins	s, Courtney	4/6/201	8	.50	65.00	32.50	
Blevins	s, Courtney	9/28/201	8	.50	65.00	32.50	
	Totals			26.50		3,167.50	
	Total Labor	r					3,167.50
Consultants							
Subs - Ana	lytical						
12/13/20	017 Merit Labor	atories, Inc.	Labs			920.00	
12/14/20	017 Merit Labor	atories, Inc.	Labs			920.00	
12/20/20	017 Merit Labor	atories, Inc.	Labs			460.00	
12/20/20	017 Merit Labor	atories, Inc.	Labs			460.00	
12/20/20	017 Merit Labor	atories, Inc.	Labs			460.00	
8/21/20	18 Merit Labor	atories, Inc.	Labs			667.00	
	Total Cons	ultants				3,887.00	3,887.00
Reimbursable	Expenses						
Env Equip.	Rental						
3/9/2018	8 Premier Sat	fety	Rental			112.46	
	Total Reim	bursables				112.46	112.46
Unit Billing							
Mileage							
8/15/2018				11.0	Miles @ 0.56	6.16	
	Total Units	i				6.16	6.16
Additional Fee	s						
ck # 1230 ;	11/17/17					-5,000.00	
	Total Addit	ional Fees				-5,000.00	-5,000.00
					Total this S	Service	\$2,173.12
					Total this l	nvoice	\$2,173.12

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 

Fax: (877) 884-6775

12

Mr. Frank Simon

FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

December 20, 2018

Project No: 01-05889-0 Invoice No: 88529

Invoice Total \$7,450.00

Project Manager: Jamie Antoniewicz

Service Group 0006 856 North Old Woodward Avenue, Birmingham, Michigan

B8 - Excavation Oversight

Task Cost

CO1: Mobilization / Oversight / Samples 950.00
CO1: Equipment and Supplies 100.00
CO1: Project management / Consulting 3,250.00
CO1: Laboratory Analysis 650.00
Total Fee 4,950.00

Subtotal 4,950.00

Total this Service \$4,950.00

Service Group 0007 856 NOId Woodward-Water Treatment Permit

B7 - Wastewater Disposal

Task Cost

Water Treatment Building Permit 2,500.00
Meetings 0.00
Total Fee 2,500.00

Subtotal 2,500.00

Total this Service \$2,500.00

Total this Invoice \$7,450.00

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

12a

12b

Project 01-05889-0 The Pearl Development Invoice 88529

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090 Fax: (877) 884-6775

13

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

June 17, 2020

01-05889-0 Project No: Invoice No: 94157

**Invoice Total** \$1,250.00

Project Manager: Sarah Marshall

Service Group 8000 856 North Old Woodward Avenue, Birmingham, Michigan

B7 - Wastewater Disposal Reporting

Task Cost Biennial Hazardous Waste Report and EQP5150 Form 1,250.00 Total Fee 1,250.00

> Subtotal 1,250.00

> > **Total this Service** \$1,250.00

> > **Total this Invoice** \$1,250.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090 Fax: (877) 884-6775

14

Mr. Frank Simon

FLS Properties #5, LLC

P.O. Box 689

Bloomfield Hills, MI 48303

August 21, 2020

Project No: 01-05889-0 Invoice No: 94762

Invoice Total \$2,300.00

Project Manager: Nicholas Lieder

Stormwater Testing Activities

Service Group 0009 856 North Old Woodward Avenue, Birmingham, Michigan

B7 - Water Discharge Testing

Task Cost

Mobilization / Sampling / Equipment 750.00
Data Eval / Project Mgmt / Summary Memo 1,750.00
Laboratory Analysis 800.00
Total Fee 3,300.00

Subtotal 3,300.00

**Additional Fees** 

Check #1110 08/11/20 -1,000.00

Total Additional Fees -1,000.00 -1,000.00

Total this Service \$2,300.00

Total this Invoice \$2,300.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

## **Invoice Payable Upon Receipt**

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

# Accounts Receivable Ledger

PM Environmental, Inc.

Job-to-Date through 12/26/2020

Wednesday, December 16, 2020 10:11:50 AM

		Mod/Receipt				
	nvoice	Detail	Description 2	Date	Total	
Billing Client Name:	-		tour to out our BALLS			
			irmingham, Michigan			
01-05889-0 The Pear		-	ger: Masserang			
Project Type: Enviro		vices	lavaiaa	0/04/0045	44.045.00	
	073902	D	Invoice	9/21/2015	14,015.00	
	073902	Rcpt A112315	ck # 1162	11/23/2015	-14,015.00	
	077059	Dont A000816	Invoice	6/27/2016	5,690.00	
	077059	Rcpt A090816	ck# 1187	9/8/2016	-5,690.00	
	078957	Damt A440040	Invoice	10/28/2016	10,000.00	
	078957	Rcpt A110916	ck# 1198	11/9/2016	-10,000.00	
	079807	Print Antique	invoice	1/4/2017	-1,500.00	Removes 5
	079807 080629	KCPLAUTT917	Invoice	2/23/2017	3,750.00	
	080629	Retainer	Invoice	2/23/2017	-3,750.00	
	084128	Retainer	Invoice	11/30/2017	26,595.61	
	084128	Retainer	Invoice	11/30/2017	-15,000.00	
	084128	Rcpt A010818	ck # 1244	1/8/2018	-11,595.61	
	084648	Кері Аб 100 10	Invoice	1/12/2018	-11,393.01	
	084648	Retainer	Invoice	1/12/2018		
	084715	retainer	Invoice	1/19/2018	27,064.95	
	084715	Rcpt A031918	ck # 1269	3/19/2018	-27,064.95	
	085166	10pt 7001010	Invoice	3/8/2018	28,402.73	
	085166	Rcpt A031918	ck # 1269	3/19/2018	-28,402.73	
	085575	110pt 11001010	Invoice	4/6/2018	14,613.33	
	085575	Rcpt A051618	Check#1283	5/16/2018	-14,613.33	
	087568	110pt 1100 10 10	Invoice	9/28/2018	14,010.00	
	087608		Invoice	10/4/2018	7,173.12	
	087608	Retainer	Invoice	10/4/2018	-5,000.00	
	087608	Rcpt A101518	Check#1010	10/15/2018	-2,173.12	
	088529		Invoice	12/20/2018	7,450.00	
	088529	Rcpt A012419	Check#1028	1/24/2019	-7,450.00	
	094157		Invoice	6/17/2020	1,250.00	
	094157	Rcpt A071320	Check #1082	7/13/2020	-1,250.00	
	094762	.,	Invoice	8/21/2020	3,300.00	
	094762	Retainer	Invoice	8/21/2020	-1,000.00	
	094762	Rcpt A090120	Check# 1127	9/1/2020	-2,300.00	
00	095569	·	Invoice	11/13/2020	4,178.75	
	095569	Retainer	Invoice	11/13/2020	-2,500.00	
00	095569	Rcpt A111920	Check#1216	11/19/2020	-1,678.75	
Project Billed		·			154,983.49	
Project Received	d				-154,983.49	
Project Retainer	r					
Project Retainag	ge					
Total for 01-05889-0						
Total Billed					154,983.49	
<b>Total Received</b>					-154,983.49	
Total Retainer						
Total Retainage						
Total						

PAY TO THE WELCOMFIELD, MI 48323-3754 ORDER OF PM Environmental, Inc.  Fourteen Thousand Fifteen Dollars and 00/100  Frivate Banking  Invoice 73902
---

Wi. 74-347/724 1187 Œ 00069'5 \$ [ DOLLARS --- Five Thousand Six Hundred Ninety Dollars and On/100 #6051887# #072403473# 01382209272# FLS PROPERTIES #5
2950 WALNUT LAKE RD
W BLOOMFIELD, MI 48323-3754 PAY TO THE ORDER OF PM Environmental, Inc. Muntington Private Banking FOR Invoice 77059

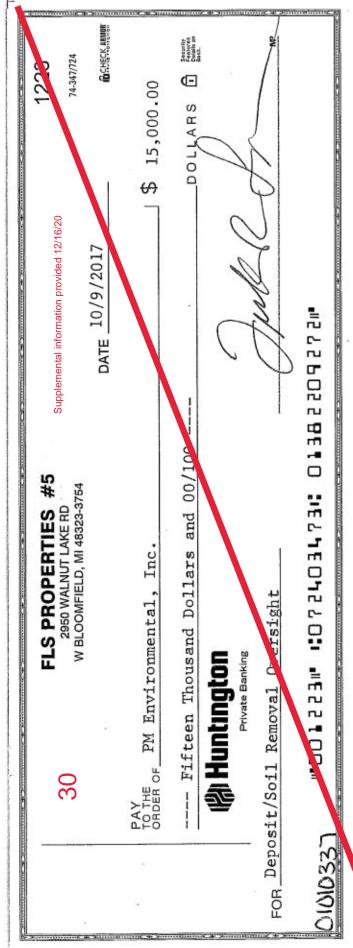
Rack Image

Front Image

1198 14/2016 11/4/2016 609554MPR	\$ 10,000.00	DOLLARS O	July	
FLS PROPERTIES #5 4. 2850 WALNUT LAKE RD W BLOOMPIELD, MI 48323-3754 DATE	PAY TO THE ORDER OF PM Environmental, Inc.	Ten Thousand Dollars and 00/100	Invoice 78957	

Rack Tmane

74:347/724 74:347/724 (ACHECK ANN)	\$ 3,750.00	2	
#5 6 DATE 10/12/2016	fty Dollars and 00/100	2 della	
FLS PROPERTIES #5 2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754	ORDER OF PM Environmental, Inc.	Huntington Private Banking Geposit vapor barrier work plan	
2	TO THE ORDER OF.	CA deposit vapor	- Long



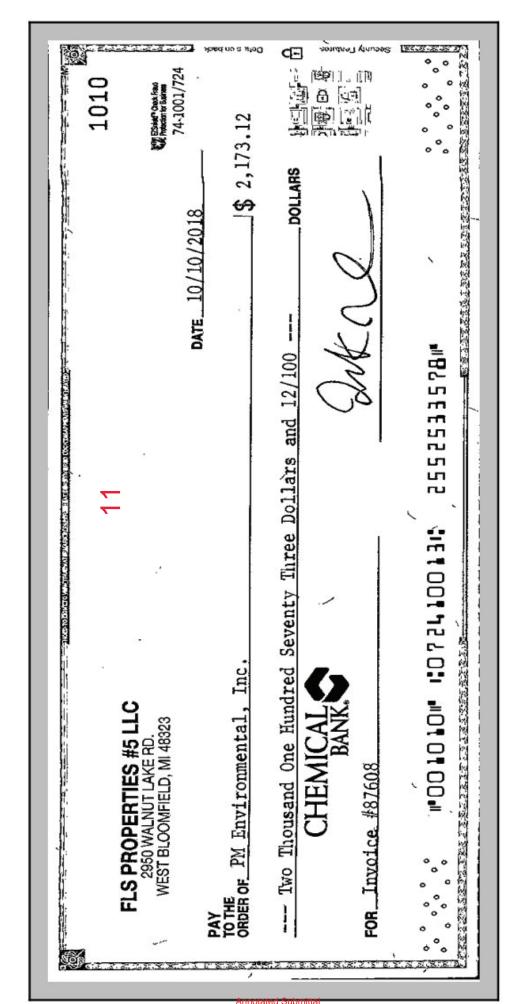
This is listed for Invoice 84128 in check register but not included in eligible cost table

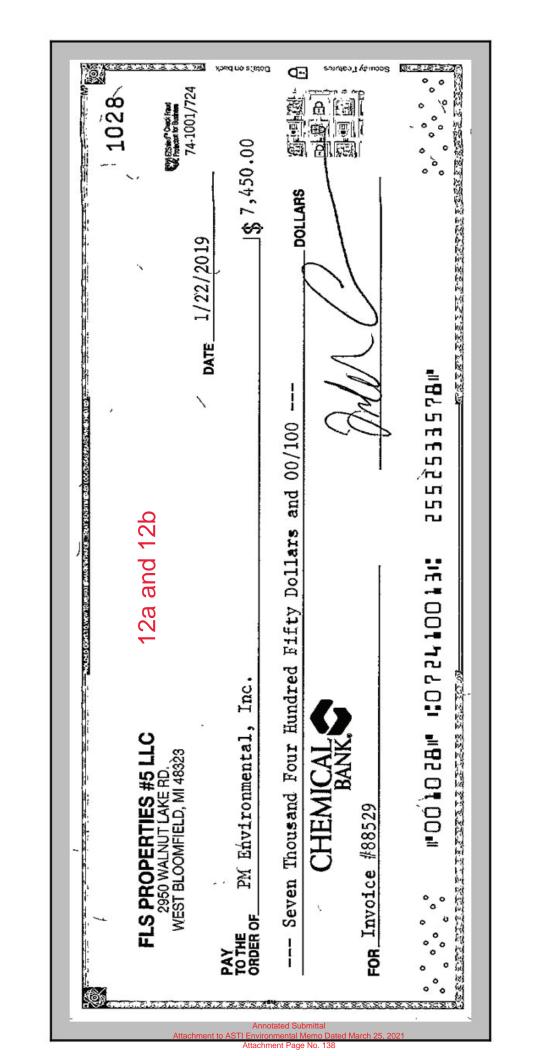
DATE 12/12/2017	19.595.61	ANN R	9272"
_		Minety Five I	. 0138220
FLS PROPERTIES #5 2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754	PAY TO THE ORDER OF PM Environmental, Inc.	Mantington  Provided Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Hundred Name of State Bollars & 61/100 DOLLARS & Eleven Thousand Five Bollars & 61/100 Five Bollars & 61/10	#12 6 2 6 8 6 1 0 1 3 6 6 7 5 C 0 3 6 7 5 C 0 1 3 8 2 2 0 9 2 7 2 11



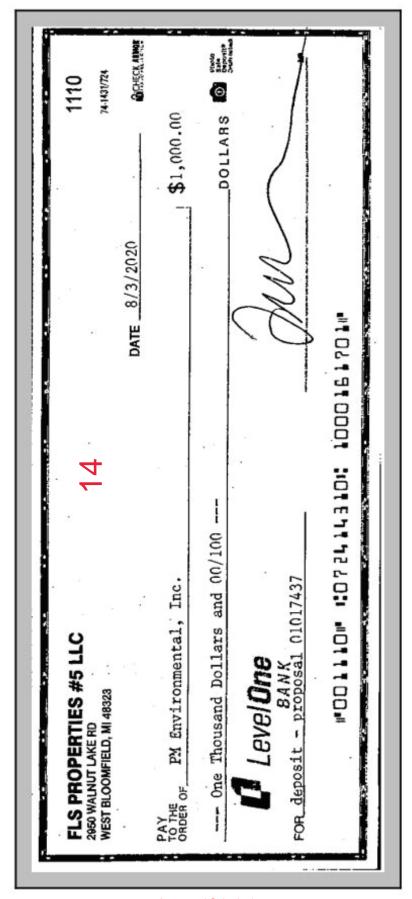


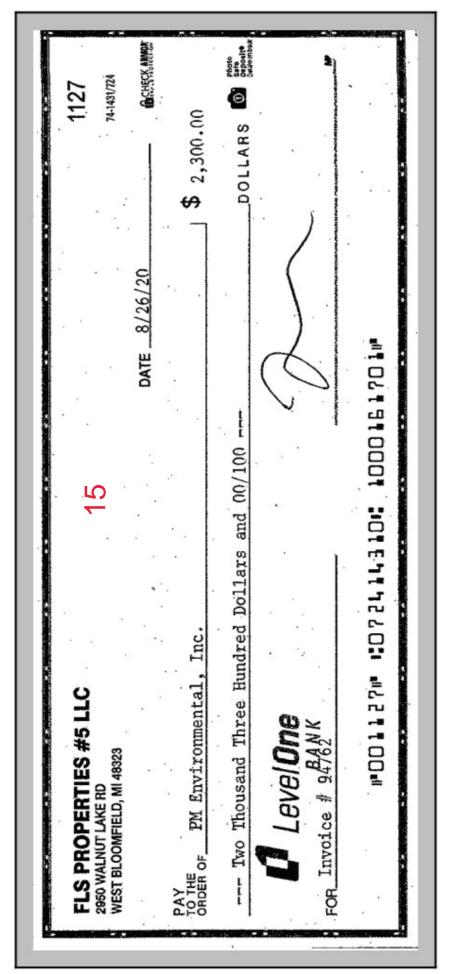
Annotated Submittal
Attachment to ASTI Environmental Memo Dated March 25, 2021
Attachment Page No. 136





1082 74-1431/724	\$ 1,250.00	DOLLARS © SHOOM		
FLS PROPERTIES #5 LLC 2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 48323 DATE 6/24/2020	PAY TO THE ORDER OF PM Environmental, Inc.	One Thousand Two Hundred Fifty Dollars and 00/100	LevelOne Invoice #94 BANK	**************************************





1158 74-1431/724 BONECK ###	1 \$ 2,500.00	DOLLARS © Specific	wh R. Fimer.	
DATE 9/22/2020		00	Glood R.	000181701"
27b		ve Hundred Dollars and 00/100	sal # 01017723	58" "O?2414310" 1000181701"
FLS PROPERTIES #5 LLC 2950 WALNUT LAKE HD WEST BLOOMFIELD, MI 48323	PAY TO THE PM Environmental	Two Thousand Five H	FOR Deposit for Proposal	85 1 1 00 N

1216 74-1431/724. 43-GHECK ANNUAL STATE OF STATE	
12 741 8 1,678.75 DOLLARS	
DATE_11/13/2020 75/100	
FLS PROPERTIES #5 LLC  950 WALNUTLAKE RD WEST BLOOMFIELD, MI 48323  AY OF THE OF PM Environmental, Inc.  LEVE/ORE BANK  OR Invoice #95569	1000181701#
t Dollars	
27a enty Eigh	#001216# #072414310#
Inc.	. 1.07
FLS PROPERTIES #5 LLC 2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 48323  PAY TO THE OF THE ENVIRONMENTAL, Inc. CONTROL THOUSAND STX HUNDRED  BANK FOR Invoice #95569	001216
FLS PROPERTIES #5 L 2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 48323 WEST BLOOMFIELD, MI 48323 TO THE OF THE ENVIRONMENTA ORDER OF THOUSAND SIX  LEVEIONE BANK FOR Invoice #95569	=
FLS PR 2950 WALN WEST BLOC TO THE ORDER OF	

# The Douglas Company

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FROM:

ENT APPLICATION	13a, 13b, 20	07		Page 1
FLS PROPERTIES #5, LLC	PROJECT	18-022-0	APPI ICATION #	24 Distr
2950 WALNUT LAKE ROAD	NAME AND	THE PEARL DEVELOPMENT	PERIOD THRU:	08/25/2020
WEST BLOOMFIELD, MI 48323	LOCATION	856 NORTH OLD WOODWARD	PROJECT #s:	18-022-0
		BIRMINGHAM, MI 48009		֖֖֖֖֖֖֖֖֖֖֖֖֖֖֝֟֝֟֝֟ <u>֚</u>
THE DOUGLAS COMPANY	ARCHITECT	ARCHITECT: MARUSICH ARCHITECTURE	DATE OF CONTRACT:	05/29/2018
1716 PERRYSBURG HOLLAND ROAD		36880 WOODWARD AVENUE SUITE 100		][
HOLLAND, OHIO 43528		BLOOMFIELD HILLS, MI 48304		
GENERAL CONSTRUCTION				

UNTRACTOR

**3CHITECT** 

WNER

ibution to:

Contractor's signature below is his assurance to Owner, concerning the payment herein applied for,
that: (1) the Work has been performed as required in the Contract Documents, (2) all sums previously
paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials
and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally
entitled to this payment.
4)

(Line 1 +/- 2)

TOTAL COMPLETED AND STORED

(Column G on Continuation Page)

RETAINAGE: %00.0

5

**CURRENT CONTRACT AMOUNT** SUM OF ALL CHANGE ORDERS

CONTRACTOR'S SUMMARY OF WORK

Application is made for payment as shown below. Continuation Page is attached.

1. CONTRACT AMOUNT

ςi

ARCHITECT'S CERTIFICATION	\$0.00
My Commission Expires: Apport	
Notary Public Kmley Public Kmley Propries March 22, 2022	
me this 24th day of August 202	
Subscribed and sworn to before	
County of: Lucas	20.020,410,010
State of: Ohio	\$15 014 820.35
LYNN M. MILLER ASSISTANT CONTROLLER	\$15.014.820.35
By: Man W Mell Date: 08/24/2020	\$1,356,073.35
CONTRACTOR: THE DOUGLAS COMPANY	\$13,658,747.00
and other obligations under the Contract for Work previously paid for, and (3) Contractor is legall entitled to this payment.	
naid to Contractor under the Contract have been used to pay Contractor's costs for labor materia	

# **ARCHITECT'S CERTIFICATION**

\$15,014,820.35

TOTAL COMPLETED AND STORED LESS RETAINAGE

Column I on Continuation Page)

Total Retainage (Line 5a + 5b or

**LESS PREVIOUS PAYMENT APPLICATIONS** 

(Line 4 minus Line 5 Total)

ø.

\$13,513,338.35

\$1,501,482.00

completed to the extent indicated in this Application, and the quality of workmanship and materials conforms with the Contract Documents, (3) this Application for Payment accurately states the amount of Work completed and payment due therefor, and (4) Architect knows of no reason why payment that: (1) Architect has inspected the Work represented by this Application, (2) such Work has been Architect's signature below is his assurance to Owner, concerning the payment herein applied for, should not be made.

# CERTIFIED AMOUNT.....

(If the certified amount is different from the payment due, you should attach an explanation. Initial all the figures that are changed to match the certified amount.)

AN MA	100
2	>
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Archite	

(\$26,267.35)\$0.00 (\$26,267.35)

\$0.00

\$1,382,340.70

\$1,356,073.35 \$1,382,340.70

TOTALS NET CHANGES

Total approved this month

previous months

DEDUCTIONS

ADDITIONS

SUMMARY OF CHANGE ORDERS

Total changes approved in

**BALANCE TO COMPLETION** 

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8. PAYMENT DUE

(Line 3 minus Line 6)

\$0.00

RUSICH

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PAYMENT APPLICATION

(Columns D + E on Continuation Page)

of Material Stored

0.00%

of Completed Work

(Column F on Continuation Page)

\$0.00

\$0.00

CONTINUATION PAGE

							PROJ	PERIOD THRU: PROJECT #s:	08/25/2020 18-022-0
⋖	В	O	Q	ш	L	9		Ŧ	-
			COMPLET	COMPLETED WORK	STORED	TOTAL	%	BALANCE	DETAINAC
ITEM#	WORK DESCRIPTION	SCHEDULED	AMOUNT PREVIOUS PERIODS	AMOUNT THIS PERIOD	MATERIALS (NOT IN D OR E)	COMPLETED AND STORED (D + E + F)	COMP.	TO COMPLETION (C-G)	(If Variable)
10	EXCAVATION	\$162,678.00	\$162,678.00	\$0.00	\$0.00	\$162,678.00	100%	\$0.00	
02	ASPHALT PAVING	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00	100%	\$0.00	
03	STRIPING	\$2,265.00	\$2,265.00	\$0.00	\$0.00	\$2,265.00	100%	\$0.00	
90	SITE IMPROVEMENTS	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00	100%	\$0.00	
90	LANDSCAPING (ALLOWANCE)	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00	100%	\$0.00	
90	SITE CONCRETE	\$53,868.00	\$53,868.00	\$0.00	\$0.00	\$53,868.00	100%	\$0.00	
07	FENCING	\$1,190.00	\$1,190.00	\$0.00	\$0.00	\$1,190.00	100%	\$0.00	
08	BUILDING SIGNAGE	\$7,481.00	\$7,481.00	\$0.00	\$0.00	\$7,481.00	100%	\$0.00	
60	CONCRETE	\$1,717,487.19	\$1,717,487.19	\$0.00	\$0.00	\$1,717,487.19	100%	\$0.00	
10	GYPCRETE	\$67,890.00	\$67,890.00	\$0.00	\$0.00	\$67,890.00	100%	\$0.00	
11	MASONRY	\$1,047,000.00	\$1,047,000.00	\$0.00	\$0.00	\$1,047,000.00	100%	\$0.00	
12	STEEL FABRICATION	\$745,200.81	\$745,200.81	\$0.00	\$0.00	\$745,200.81	100%	\$0.00	
13	MISC. STEEL	\$106,300.00	\$106,300.00	\$0.00	\$0.00	\$106,300.00	100%	\$0.00	
14	FIREPROOFING	\$40,000.00	\$40,000.00	\$0.00	\$0.00	\$40,000.00	100%	\$0.00	
15	SUN SHADE	\$72,650.00	\$72,650.00	\$0.00	\$0.00	\$72,650.00	100%	\$0.00	
16	METAL SCREENS	\$12,667.00	\$12,667.00	\$0.00	\$0.00	\$12,667.00	100%	\$0.00	
17	BALCONY RAILING	\$75,932.00	\$75,932.00	\$0.00	\$0.00	\$75,932.00	100%	\$0.00	
18	ROUGH CARPENTRY	\$844,629.00	\$844,629.00	\$0.00	\$0.00	\$844,629.00	100%	\$0.00	
19	FINISH CARPENTRY	\$595,841.00	\$595,841.00	\$0.00	\$0.00	\$595,841.00	100%	\$0.00	
20	LOBBY MILLWORK	\$35,000.00	\$35,000.00	\$0.00	\$0.00	\$35,000.00	100%	\$0.00	
21	WATERPROOFING	\$164,225.00	\$164,225.00	\$0.00	\$0.00	\$164,225.00	100%	\$0.00	
22	INSULATION	\$64,300.00	\$64,300.00	\$0.00	\$0.00	\$64,300.00	100%	\$0.00	
23	EPDM ROOFING	\$115,000.00	\$115,000.00	\$0.00	\$0.00	\$115,000.00	100%	\$0.00	
24	SIDING & TRIM	\$74,640.00	\$74,640.00	\$0.00	\$0.00	\$74,640.00	100%	\$0.00	
25	CAULKING	\$57,240.00	\$57,240.00	\$0.00	\$0.00	\$57,240.00	100%	\$0.00	
26	DOORS & FRAMES	\$147,338.00	\$147,338.00	\$0.00	\$0.00	\$147,338.00	100%	\$0.00	
27	OVERHEAD DOORS	\$8,012.00	\$8,012.00	\$0.00	\$0.00	\$8,012.00	100%	\$0.00	
28	WINDOWS	\$166,623.00	\$166,623.00	\$0.00	\$0.00	\$166,623.00	100%	\$0.00	
59	GLASS & GLAZING	\$151 775 00	\$151 775 00	\$0.00	0000	\$151 775 00	1000/	80.00	
		20:0:1:0:2		******	90.00	90.00	100/0		

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**CONTINUATION PAGE** 

<u>.</u>	PROJECT:	18-022-0	APPLICATION #:	24
		THE PEARL DEVELOPMENT	DATE OF APPLICATION:	08/24/2020
t Application containing Contractor's signature is attached.			PERIOD THRU:	08/25/2020
			PROJECT #s:	18-022-0

attached.	
signature is	
Contractor's	
containing	
t Application	
Payment	

_																									15ء	28ء					
	RETAINAGE (If Variable)																								See Item	See Item					
	BALANCE TO COMPLETION (C-G)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
;	COMP.	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%
5	COMPLETED AND STORED (D + E + F)	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$120,000.00	\$570,000.00	\$605,373.00	\$252,850.00	\$836,400.00	\$1,182,951.74	\$539,779.75	\$362,889.51	\$549,489.00	\$356,136.00	\$49,381.11	\$36,043.96	\$19,640.10	\$0.00	\$47,416.00	\$398,592.01	\$14,565,956.18
T- (0)	STORED MATERIALS (NOT IN D OR E)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
T CAN CE	AMOUNT THIS PERIOD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
D COMPLETED WOOD	AMOUNT PREVIOUS PERIODS	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$120,000.00	\$570,000.00	\$605,373.00	\$252,850.00	\$836,400.00	\$1,182,951.74	\$539,779.75	\$362,889.51	\$549,489.00	\$356,136.00	\$49,381.11	\$36,043.96	\$19,640.10	\$0.00	\$47,416.00	\$398,592.01	\$14,565,956.18
	SCHEDULED AMOUNT	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$120,000.00	\$570,000.00	\$605,373.00	\$252,850.00	\$836,400.00	\$1,182,951.74	\$539,779.75	\$362,889.51	\$549,489.00	\$356,136.00	\$49,381.11	\$36,043.96	\$19,640.10	\$0.00	\$47,416.00	\$398,592.01	\$14,565,956.18
m	WORK DESCRIPTION	DRYWALL & METAL STUDS	ACOUSTICAL CEILINGS	CERAMIC TILE FLOORING	CARPETING / WOOD	PAINTING & WALLCOVERING	PARKING GATES (ALLOWANCE)	FIRE EXTINGUISHERS	WINDOW TREATMENT	FIREPLACES	DIVISION 10 SPECIALTIES	WHITE BOX BUILD OUT	TRASH CHUTE	RESIDENTIAL APPLIANCES	ELEVATORS	HVAC	PLUMBING	FIRE PROTECTION	ELECTRICAL	GENERAL REQUIREMENTS	BUILDERS OVERHEAD	BUILDERS PROFIT	CRANE	CHANGE ORDER #01	CHANGE ORDER #02	CHANGE ORDER #03	CHANGE ORDER #04	CHANGE ORDER #05R	CHANGE ORDER #06	CHANGE ORDER #07	SUB-TOTALS
<b>4</b>	ITEM#	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	54	55	26	57	28	

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	PROJECT:	18-022-0	APPLICATION #:	24
		THE PEARL DEVELOPMENT	DATE OF APPLICATION:	08/24/2020
Payment Application containing Contractor's signature is attached.			PERIOD THRU:	08/25/2020
			PROJECT #s:	18-022-0

Page 4 of 4

RETAINAGE (If Variable) \$0.00 BALANCE TO COMPLETION (C-G) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 %00I %001 %001 %00J 100% %00I %00I 100% %00 100% 100% % COMP. (G / C) TOTAL COMPLETED AND C STORED (D + E + F) \$15,014,820.35 \$248,920.13 \$36,454.75 \$81,879.82 \$3,031.95 \$18,402.62 \$8,797.70 \$16,586.92 (\$26,267.35) \$22,849.05 \$27,885.97 \$10,322.61 G STORED MATERIALS (NOT IN D OR E) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 ш \$0.00 \$0.00 AMOUNT THIS PERIOD \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 COMPLETED WORK ш \$248,920.13 \$22,849.05 \$8,797.70 \$36,454.75 \$16,586.92 \$81,879.82 \$10,322.61 \$27,885.97 \$3,031.95 \$18,402.62 (\$26,267.35) \$15,014,820.35 AMOUNT PREVIOUS PERIODS Ω \$15,014,820.35 (\$26,267.35)\$248,920.13 \$8,797.70 \$36,454.75 \$16,586.92 \$81,879.82 \$10,322.61 \$22,849.05 \$27,885.97 \$3,031.95 \$18,402.62 SCHEDULED AMOUNT O WORK DESCRIPTION CHANGE ORDER #11R CHANGE ORDER #08R CHANGE ORDER #12 CHANGE ORDER #09 CHANGE ORDER #10 CHANGE ORDER #13 CHANGE ORDER #14 CHANGE ORDER #15 CHANGE ORDER #16 CHANGE ORDER #18 CHANGE ORDER #17 TOTALS മ ITEM# 559 60 62 63 64 65 66 66 66 67 ⋖

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CONTINUATION PAGE



# Change Order

PROJECT: (Name and address) Pearl Apartments 856 North Old Woodward

Birmingham, MI 48009

OWNER: (Name and address) FLS Properties #5, LLC 2950 Walnut Lake Road West Bloomfield, MI 48323 CONTRACT INFORMATION: Contract For: General Construction

Date: 05/29/2018

ARCHITECT: (Name and address) Marusich Architecture 36880 Woodward Avenue Suite 100

Bloomfield Hills, MI 48304

CHANGE ORDER INFORMATION: Change Order Number: 002R

Date: 11/21/2018

CONTRACTOR: (Name and address) The Douglas Company 1716 Perrysburg Holland Road Holland, OH 43528

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Div

1. Vapor barrier required below the slab per PME recommendations ...\$23,220,00

See Item 15b

- 2. Future environmental containinated water discharge thru 11/14/18 ...\$12,710.00 See Item 15a
- 3. RFI #52 ERS west wall elevation ...\$15,571.92
- 4. Credit for plywood over auger cast piles in lieu of grout ... (\$6,000,00)
- 5. The Douglas Company OH&P ...\$5,150.19 #15b partial

\$23,220 +10%= \$25,542 request

- Architect is to be changed from Krieger Klatt Architects to Marusich Architecture.
- 7. Credit to remove The Douglas Company OH&P from item #2 ...(\$1,271.00)

The original Contract Sum was

The net change by previously authorized Change Orders

The Contract Sum prior to this Change Order was

The Contract Sum will be increased by this Change Order in the amount of

The new Contract Sum including this Change Order will be

The Contract Time will be unchanged by zero (0) days. The new date of Substantial Completion will be

13,658,747.00 356,136.00

\$ 14,014,883.00 49,381.11

14,064,264.11

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Marusich Architecture

ARCHITECT (Firm name)

PRINTED NAME AND TITLE

SIGNATURE

The Douglas Company

SIGNATURE

President

CONTRACTOR (Firm name)

FLS Properties #5, LLC OWNER (Firm name)

SIGNATURE

Brian J. McCarthy, Executive Vice Frank Simon

PRINTED NAME AND

PRINTED NAME AND TITLE

DATE

At Decument G781 nd - 2617. Copyright © 1979, 1987, 2000, 2001 and 2017 by The American Institute of Architects. All rights reserved. WARMING: This AIA\* Document is protected by U.S. Copyright Law and international Treaties, Unauthorized reproduction or distribution of this AIA\* to any portion of it, may result in severe civil and criminal poneities, and will be presecuted to the maximum extent possible under the law. document was produced by AIA software at 09:11:27 ET on 01/23/2019 under Order No. 1156947933 which expires on 03/05/2019, and is not for resa User Notes: **Annotated Submittal** 

# 15b and 28

11/14/18

FLS Properties #5, LLC

2950 Walnut lake Road West Bloomfield, MI 48323

Re: Proposed Change Order Request #2 The Pearl Development

Dear Mr. Simon,

#15b - Item #1 in Change Order 2R

Please see the cost below for the vapor mitigation required on the project.

This charge will be added to a future change order to the project.

- 1. Vapor Barrier required below the slab per PME recommendations ... \$23,220.00
- 2. Vapor Barrier venting thru building ... \$17,900.00

Subtotal ... \$41,120.00 The Douglas Company OH&P ... \$4,112.00

#28- Item #3 in Change Order 3R

Total Cost for Proposed Change Order Request #2 ... \$ 45,232.00

If you are in agreement with the above stated pricing, please sign below indicating your approval to proceed and we will process a change order accordingly.

Very truly yours,

THE DOUGLAS COMPANY

Tyle 7. Burnlaugh

Tyler Brumbaugh **Project Manager** 

cc: Brian McCarthy **Andrew Best** Nicholas Hamilton

APPROVED TO PROCEED FLS Properties #5, LLC

Frank Simon FLS Properties #5



# AIA Document G701" - 2017

# Change Order

# Removed from Request (see cover memo)

PROJECT: (Name and address)

**Pearl Apartments** 

856 North Old Woodward Birmingham, MI 48009

OWNER: (Name and address) FLS Properties #5, LLC 2950 Walnut Lake Road

West Bloomfield, MI 48323

CONTRACT INFORMATION:

Contract For: General Construction

Date: 05/29/2018

ARCHITECT: (Name and address) Marusich Architecture

36880 Woodward Avenue

Suite 100

Bloomfield Hills, MI 48304

**CHANGE ORDER INFORMATION:** 

Change Order Number: 003R

Date: 12/17/2018

CONTRACTOR: (Nam and address)

The Douglas Company

1716 Perrysbur, Holland Road

\$17,900+10%

oversight = \$19,690

Holland, OH 3528

# THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibit. Also include agreed upon adjustments attributable to executed Construction Change Directives.) m 28

Approved items per letter dated 12/7/18 from Mr. Facca:

- 1. Item 3: Install metal deck and additional steel at the top of the shafts from \$25 drawings ...\$15,481,00
- 2. Item 5: Install additional concrete and rebar per 5/25 structural drawings of grade beam ...\$9,289.00
- 3. Item 13: Vapor barrier venting thru building ...\$17,900.00
- 4. Item 15: Drawing revisions 5.25.18 roof parapet steel ...\$26,881..60
- 5. Item 16: Drawing revisions 6.22.18 drawing set ...\$6,651.50
- 6. Item 17: Bulletin 2 revisions made 8.29.18 Victoris Steel only .. \$3,100.50
- 7. Item 20: Steel pricing reduction (detailing time & transportation costs) ...(\$2,000.00)

- 8. Item 6: Install wire shelving ILO plastic laminate shelving a the unit closets ...(\$4,764.00)
  9. Item 7: Install interior signage as shown on plan below a lowance ...(\$2,647.00)
  10. Item 8: Install a single overhand width brick wall at the north elevation ILO per design ...(\$24,327.00)
  11. Item 9: Eliminate the casing around all of the unit randows ...(\$5,376.00)
- 12 Item 10: Provide a 10 year manufacturers warrandy ILO specified 20 year roof warranty ... (\$9,399,00)

**Total Construction Changes** 

TDC OH&P on Construction Changes

Total for all changes

\$30,797.60

\$5,7 33.36 \$3 ,043.96

The original Contract Sum was

The net change by previously authorized mange Orders

The Contract Sum prior to this Change order was

The Contract Sum will be increased this Change Order in the amount of

The new Contract Sum including this Change Order will be

The Contract Time will be unclanged by zero (0) days. The new date of Substantial completion will be

13,658,747.00 405,517.11

14,064,264.11 36,043.96

,100,308,07

NOTE: This Change Orier does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

# NOT VALID UTTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Marusich architecture

CT (Firm name) ARCHIT

The Douglas Company

CONTRACTOR (Firm name)

FLS Properties #5, LLC

OWNER (Firm name)

AIA Decument G701<sup>10</sup> - 2017, Copyright © 1879, 1987, 2000, 2001 and 2017 by The American Institute of Architects. All rights reserved. WARMING: This AiA<sup>o</sup> Document is protected by U.S. Copyright Law and international Treaties. Unsutherized reproduction or distribution of this AiA<sup>o</sup> Document is protected to the maximum extent possible under the law. document was produced by AIA software at 09:13:05 ET on 01/23/2019 under Order No. 1156947933 which expires on 03/05/2019, and is not for reas

SIGNATURE	B. J. Monthy	Duka L
	Brian J. McCarthy, Executive Vice	Frank Simon
PRINTED NAME AND TITLE	PRINTED NAME AND TITLE  Jeones 23, 2019	PRINTED NAME AND TITLE
DATE	DATE	DATE



15a-1

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19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 VENDOR 66962

8 PO Med

 DATE
 DUE DATE
 INVOICE#

 9/13/2018
 10/13/2018
 D25275

JOB\_1800-0 COST CODE need

INVOICE TOTAL

\$1,005.00

BILL TO:

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$2,290.00

Please call for a Statement of your Account 1-866-579-6900

# SITE ADDRESS:

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST#	DRIVER	TERMS	DUE DATE	
M113638	D25275	M113638	TONM	Net 30	10/13/2018	

DESCRIPTION	QUANTITY	RATE	AMOUNT	
CONTAMINATED WATER	1,700	0.40	680.00	
TRUCK CHARGE	1	325.00	325.00	
로드라고 있다. 이번에 발표한 경험에 가는 사람들이 되었다. 2017년 1일 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전				
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The Douglas Company				
	SURTOTAL	[12:22년 4월 14일] (3 강원 22년 2월 17일 17일 17일	\$1,005,00	

# THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



TI Environme

Attachment Page N

K. K.	SUBTOTAL \$1,005.00
	SALES TAX (7.5%) \$0.00
	PAYMENT APPLIED \$0.00
	BALANCE DUE \$1,005.00

o Dated March 25, 2021



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15a-2

DATE	DUE DATE	INVOICE #
9/24/2018	10/24/2018	D25295

19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612

VENDOH06903

18022-0 COSTCODE

INVOICE TOTAL

\$1,685.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$3,975.00

Please call for a Statement of your Account 1-866-579-6900

# **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113678	D25295	M113678	TONM	Net 30	10/24/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	3,400	0.40 325.00	1,360.00 325.00
(17 V & 2018			
The Douglas Company			

# THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



ASTI Environment

Attachment Page No. 154

SUBTOTAL	\$1,685.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,685.00

Dated March 25, 2021



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 VENDOR 06902 FEIN # 36-4059612

15a-3

DATE **DUE DATE** 

**INVOICE #** 

9/26/2018 10/26/2018 D25554

JOB 18022-O COST CODE

INVOICE TOTAL

\$1,725.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$5,700.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

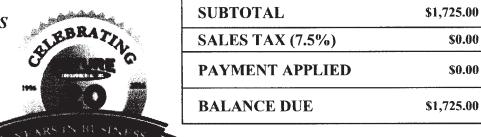
LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113680	D25554	M113680	TONM	Net 30	10/26/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	3,500	0.40 325.00	1,400.00 325.00
60 0 3 2018			
The Douglas Company			

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



Environmental Memo Dated March 25, 2021 Attachment Page No. 155 STI Environmer



DATE **DUE DATE INVOICE #** D25569 10/3/2018 11/2/2018

19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 /FNDORO 6902

108 18020 COSTGORE

INVOICE TOTAL

\$1,085.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$6,785.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

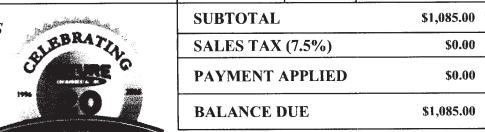
LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113707	D25569	M113707	TONM	Net 30	11/2/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	1,900	0.40 325.00	760.00 325.00
RECEIVEL:  001 1 5 2018  The Douglas Company			

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



Dated March 25, 2021 STI Environmen Attachment Page No



 DATE
 DUE DATE
 INVOICE #

 10/8/2018
 11/7/2018
 D25584

19701 SOUTH 97th AVENUE, MOKENA, IL 60448 PO MOLE FEIN # 36-4059612 NOF 06902

80220 COSTCODE

### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528 INVOICE TOTAL

\$1,725.00

Current Account Balance:

\$8,510.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113711	D25584	M113711	TONM	Net 30	11/7/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	3,500	0.40	1,400.00
TRUCK CHARGE	1	325.00	325.00
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The Douglas Company			
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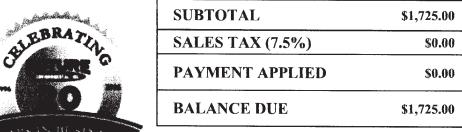
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Attachment Page No. 157

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



no Dated March 25, 2021



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 06902 PO MED PO 15 AUD- 06902

DATE	DUE DATE	INVOICE #
10/11/2018	11/10/2018	D25589

OST CODE -

### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

**INVOICE TOTAL** 

\$1,725.00

Current Account Balance:

\$10,235.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

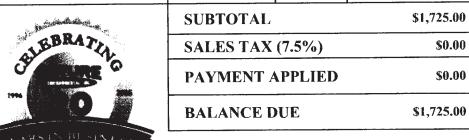
LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113725	D25589	M113725	TONM	Net 30	11/10/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	3,500	0.40	1,400.00
TRUCK CHARGE	1	325.00	325.00
RECEIVER			
001 2 4 <b>201</b> 8			
N.			;
fine Douglas Company			

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



o Dated March 25, 2021 **ASTI Environmenta** Attachment Page No. 158



15a-7

 DATE
 DUE DATE
 INVOICE #

 10/17/2018
 11/16/2018
 D26056

19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 NDOR 06707

48 PO need

IDE KODZ-DOOST CODE

INVOICE TOTAL

\$645.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$10,880.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113729	D26056	M113729	TONM	Net 30	11/16/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	800	0.40 325.00	320.00 325.00
<b>PEC</b> ENTED 001 3 0 2018			
The Douglas Company			

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



SUBTOTAL	\$645.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$645.00

ASTI Environmental Memb Dated March 25, 2021 Attachment Page No. 159



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 VENDOR 06902 FEIN # 36-4059612

DATE	DUE DATE	INVOICE #
10/24/2018	11/23/2018	D26070

JOB 18000 COST CODE

INVOICE TOTAL

\$1,245.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$12,125.00

Please call for a Statement of your Account 1-866-579-6900

### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

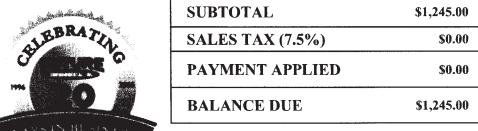
LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M115261	D26070	M115261	TONM	Net 30	11/23/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	2,300	0.40 325.00	920.00 325.00
RECEIVED  NOV 0 2 2018  The Douglas Company			

### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



o Dated March 25, 2021 STI Environme

Attachment Page No. 160



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8 PO need

	DUE DATE	D26099
11/5/2018	12/5/2018	D20099

106 18022-0 COST CODE \_\_\_\_

INVOICE TOTAL

\$1,645.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$13,770.00

Please call for a Statement of your Account 1-866-579-6900

**SITE ADDRESS:** 

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

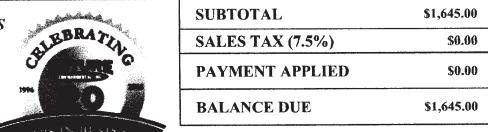
LOAD#	RECEIPT # MANIFEST #		DRIVER	TERMS	DUE DATE
M115301	D26099	M115301	TONM	Net 30	12/5/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	3,300	0.40 325.00	1,320.00 V 325.00
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THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 

1-866-579-6900 (708) 479-6900 Corporate Office (708) 479-6890 Fax



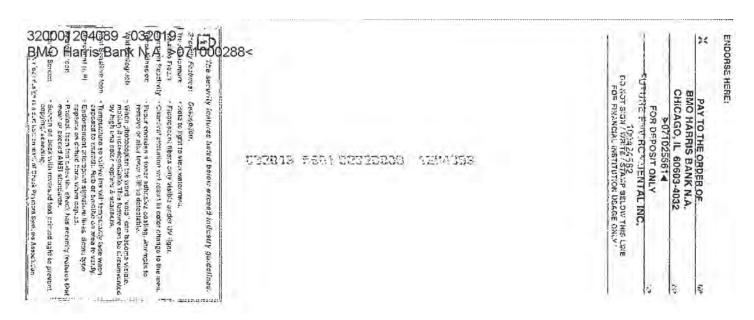
STI Environmental Memo Dated March 25, 2021 Attachment Page No. 161



THIS DOCUMENT IS PROTECTED BY INVISIBLE FIBERS AND CITCHIC ALLY HEACTIVE PAPER. HOLD TO LIGHT TO VESTIL Y A THUL WATERMARK THE DOUGLAS COMPANY 126827 KeyBank, N.A. 1716 PERRYSBURG-HOLLAND RD.: HOLLAND, OH 43528 NW Ohio February 20, 2019 6-103/410 ADDITIONAL SECURITY PEATURES. -5,260.00 PAY Five Thousand Two Hundred Sixty and 00/100 Dollars TO THE FUTURE ENVIRONMENTAL, INC. **ORDER** 19701 SOUTH 97TH AVENUE MOKENA, IL 60448 OF

#126827# #041001039#359681488094#

28506631 3 2019-03-20 5260.00



28506631 3 2019-03-20 5260.00

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THE DOUGLAS COMPANY 1718 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410 126609

DETAILS ON BA

ADDITIONAL SECURITY FEATURES.

DATE:

January 29, 2019

PAY 8 , 5 1 0 0 0

\$ 8,510.00

PAY Eight Thousand Five Hundred Ten and 00/100 Dollars

TO THE ORDER

FUTURE ENVIRONMENTAL, INC. 19701 SOUTH 97TH AVENUE

OF

MOKENA, IL 60448

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660 Woodward Ave. Suite 1945 Detroit, MI 48226 313/535-6534 ph. 313/535-6850 fax

bdarin@dixon99.com 8105883932 cell

9/11/18 Revised

856 N. Old Woodward B'ham, Michigan

Provide vapor mitigation intrusion system at four different area's under concrete floor.....\$23,220.00

Quote based PM Environmental's figure 3 drawing dated 10/25/16 and Cetco's "Liquid Boot Plus" system, approx. 225' of venting, four days of smoke testing, four mobilization's and one vent riser for each area stubbed to 2' above finished floor.

Bld does not include temporary protection, substrate prep, dewatering, third party testing, inspection and engineering. No premium time or work above vent risers included.

Thank you, Bill Darin

Note: Attached checks total \$24,2380, but include payments for Change Order (#15b-3) which is not part of the request for reimbursement.

### SUBCONTRACTOR APPLICATION FOR PAYMENT

Subcontractor Company Name:

Dixon, Inc.

Contact Person: Danielle Ebel : Debel@dixon99.com

Telephone: 313-535-6534

3.5 555 65

Fax: 313-535-6850

Project Name: The Pearl

Billing Period beginning: 4/1/2019

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

The undersigned certifies that to the best of their knowledge, information, and belief, the Work covered by this Subcontractor Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Subcontractor for Work for which previous Applications for Payments were issued and payments received, and that current payment shown herein is now due.

15b-2

	Scheduled Value	Work Co Previous Applicat		Work Completed this period	Stored Materials (Attach supplier invoice)	Comple Stored Project	Laborit Side in the	The state of the s
Original Contract (from page 2)	: \$	23,220.00 \$	7,963.95	\$ 15,256.05	5   \$	\$	23,220.00 100%	,
Approved Change order (from page 3)	\$	1,018.00	1,018.00	\$ -	\$	- \$	1,018.00 1009	   6 :
Total Contract and Change Orders Signature		24,238.00 \$	8,981.95 4/17/19	т.	Less _% retotal carned less retotal carned less previous applie	ained \$	24,238.00 2,423.80 21,814.20 8083.76 37.30.44	with the second

Printed Name:

Elmer H. Dixon

Title: President

#### FOR DOUGLAS COMPANY USE ONLY

Notes:

Approvals:

Job # 18022

Rev. Contract Amount Balance to Complete

Curr. Ret. Bal.

Gross Retention Net \$24,238.00 \$0.00 8918.191

#### Dixon, Inc.

Project: The Pearl Billing for Period: 4/1/2019

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

Item No.	Scheduled Value	Work Completed Previous Application (B)	Work Completed this period	Stored Materials (Attach supplier invoice) (D)	Completed and Stored Project to Date Amount (B/C/D)	% B/C/D
Original Contract	. ,				0.00	
		5,700.	00 4,74	9.00	10,449.00	i i
Mechanical Room	10,449.0				3,483.00	ř
North Stairwell	3,483.0		6,96		6,966.00	1
South Stairwell & Elevator Shaf			2,32		2,322.00	
Electrical Room	2,322.0	0	2,32	2.00	0.00	1
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Total Original	\$ 23,220.0	0 \$ 7,963	.95 \$ 15,25	66.05 \$	. \$ 23,220.00	100%
Contract(to page 1)					. /	

Note: Provide a detailed breakdown of original contract schedule of values. If space is needed, attach additional pages.

Subcontractor Company Name:

Project: The Pearl Billing for Period: 4/1/2019

Dixon, Inc.

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

Change Order #	Scheduled Value	Work Completed Previous Application (B)	Work Completed this period	Stored Materials (Attach supplier invoice) (D)	Completed and Store Project to Date Amount (B/C/D)	% B/C/D
Approved Change Orders		15b-3	3			0.00
						18.00:100%
Change Order #1	1,0	18.00 1,01	8.00	00	;	0.00
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Total Approved	\$ 1,0	18.00 \$ 1,01	8.00 \$	\$	. \$ 1,0	0.00 18.00 <b>100%</b>
Change Orders (to page 1)	٠	//	1			; ,

Note: Provide detailed breakdown of all issued change orders by their respective change order number. Do not include unapproved change requests.

THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410 132633

DATE: November 23, 2020

-> PAY 21, 41, 21, 31, 8, 10, 1

\$ 2,423.80

 ${\tt PAY} \quad {\tt Two \ Thousand \ Four \ Hundred \ Twenty-Three \ and \ 80/100 \ Dollars}$ 

TO THE ORDER OF

DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226

\*\* C O P Y \*\*

THE DOUGLAS COMPANY

**132633**November 23, 2020

DIXON INC.

	014 1140.					NOVCITIO	7 20, 2020
DATE	JOB NO.	ACCOUNT NO.	COST CODE	DESCRIPTION	INVOICE NO.	AMOUNT	DEDUCTION
1/25/19	18-022-0	10-10-5110.00000	07100	01/01 - 0	01/25/1	226.39	.00
3/25/19	18-022-0	10-10-5110.00000	07100	03/01 - 0	03/25/1	101.80	.00
4/25/19	18-022-0	10-10-5110.00000	07100	04/01 - 0	04/25/1	1525.61	.00
12/25/18	18-022-0	10-10-5110.00000	07100	12/25/18	12/25/1	570.00	.00
12/31/19	18-022-0	10-10-5110.00000	07100	18-022-0	18022-F	.00	.00
1:	1/23/20	132633	2423	.80		.00	2423.80

THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410 132633

DATE: November 23, 2020

PAY 2 14 2 8 80, CENTS

\$ 2,423.80

PAY Two Thousand Four Hundred Twenty-Three and 80/100 Dollars

TO THE ORDER OF DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226

COPY



	THIS DOCUMENT IS PROTECTED BY INVISIBLE FIBE	RS AND CHEMICALLY REACTIVE PAPER.	HOLD TO LIGHT TO VERIFY A TRUE WAT	ERMARK.		
	THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528	KeyBank, N.A. NW Ohio 6-103/410	DATE: N	<b>132633</b> lovember 23, 2020		
	S PAY			\$ <b>2,423</b> .80		
PAY Two	Thousand Four Hundred Twenty-Three and	d 80/100 Dollars				
TO THE ORDER OF	DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226		Oud m 1	Jelley		
	"132633" ::O41001039::359681488094"					

38513703 3 2020-12-23 2423.80

Voio Pantograph Heat Sensitive Icon Microprint (MP) Padlock Icon Security Screen  © Padlock design	Security Features: D The Watermark Invisible Fibers Chemical Reactivity Toner Adhesion	Seq: 3 Dep: 000293 Date: 12/23/20	F GNYDE STORMEON INC Dixon Inc Dixon Inc Master Deposited by: BS DO NOT SIGN / FOR FINANCE
When notocopied the word "gold" can become visible, making it non-negoliable. This feature can be circumvented by high end color copiers & scanners.  **Temperature sensitive ink will improverily fade when exposed to warmth. Pub or breathe on area to verry.  **Endorsement microprint signature lines. Small type appears as dotted lines when copied.  **Padlock toon indicetes the check has security features that meet or exceed ANSI standards.  **Screen on back with reversed text printed light to prevent copying scanning.  **is a certification mask of Check, Payment Systems Association.  **Temperature of the property of Systems Association.  **Temperature of the property of Systems Association.  **Temperature of Sys	y features listed below exceed industry guidelines. Description: - Hold to light to view watermark Fluorescent fibers only visible under UV light Chemical attration will result in color change to the area Pager coordins a toner adhesive coating. Attempts to remove or after toner will be detectable.		FREONLY to  MP  L by: BS  CHECK HERE IF MOBILE DEPOSIT ONT SIGN / WRITE / STAMP BELOW THIS LINE FOR FINANCIAL INSTITUTION USAGE ONLY:

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	THIS DOCUMENT IS PROTECTED  THE DOUGLAS CO  1716 PERRYSBURG-HOLLANI HOLLAND, OH 43528	D BY INVISIBLE FIBERS A MPANY D RD.	KeyBank, N NW Ohio 6-103/41	o	OHT TO VERIFY A TRUE WATE	128002 June 14, 2019
PAY Thirte	een Thousand Seven Hundre	d Thirty and 44/	100 Dollars			\$ 13,730.44 <sup>5</sup>
TO THE ORDER OF	DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226			Jose	tt J. Indu	ig .

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Socurity Enginees: The Watermark Invisible Fibers Chemical Reactivity - C from Adhesion - P from Adhesion - P Heat Sensitive loon - I Microprint (MP) - E Microprint (MP) - E Security Serson - S			Seq: 2 Dep: 000188 Date: 06/28/19	DO NOT S	Deposited by:	Dixon Inc	Divon Inc
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THE DOUGLAS CO 1716 PERRYSBURG-HOLLAN HOLLAND, OH 43528	DEVINVISIBLE FIBERS AND CHEMICA MPANY DRD:	ITLY REACTIVE PAPER. HOLD TO L KeyBank, N.A. NW Ohio 6-103/410	IGHT TO VERIFY A TRUE WATER	<b>127359</b> April 10, 2019
PAY Nine Hundred Sixteen and 20/100	PAY COME COMM			\$ 916.20
TO THE DIXON INC.  ORDER 660 WOODWARD AVE				
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	THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528  KeyBank, N.A. NW Ohio 6-103/410  DATE:	126679 February 5, 2019
	PAY 5 1 CV 1 0 0 ONLY CENTS	\$ 5,130.00
TO THE	Thousand One Hundred Thirty and 00/100 Dollars  DIXON INC.	SECURITY FEAT
ORDER OF	660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226	helley

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	THE DOUGLAS ( 1716 PERRYSBURG-HOLL HOLLAND, OH 43528	COMPANY AND RD	KeyBank NW O 6-103/4	nio	GHT TO VERIFY A TRUE WA	126825 February 20, 2019
PAY Two	Thousand Thirty-Seven a	PAY ONLY	2 5 6 cents			\$ 2,037.56
TO THE ORDER OF	DIXON INC. 660 WOODWARD AV SUITE 1945 DETROIT, MI 48226			0	und m	h-Olley

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		The security features listed below exceed industry guid. Security Festures: Description: True Watermark - Hold to light to view watermark. Invisible Fibers - Fluorescent libers only visible under UV light. Chemical Reactivity - Chemical atteration will result in color change to It Tonar Adhesion - Paper contains a toner adhesive coating, Attempts remove or after toner will be described.	The security if Fedures: If Headings: If Headings: If Headings if	The security The security The security Watermark Use Fibers Inical Reactivity Fadhesion Pantograph Sensitive icon Sensitive icon Park icon Takk icon	Seq: 6 Dep: 000174 Date: 03/29/19  Seq: 6 Dep: 000174 Date: 03/29/19	Do not sign / white / Stamp below this line for financial institution usage only
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## 15a, 15b, and 28

### PARTIAL CONDITIONAL WAIVER OF LIEN

Owner: FLS Properties #5, LLC

Contractor: The Douglas Company

Project: The Pearl

Contract: May 29, 2018

Contractor, The Douglas Company, upon the receipt of \$1,250,000.00 for Application #24 related to work through 8/25/2020 for labor, material, and services provided by Contractor in connection with the above referenced Project and Contract, Contractor will waive any and all rights that it may have to file a mechanic's lien to the extent of the sums received.

### THE DOUGLAS COMPANY

By: Josette S. Ludwig

Title: Controller

Sworn to before me this 15th day of Oct., 2020

My commission expires:

3/22/2022

Notary Public - State of Ohio
My Commission Expires March 22, 2022

Additional Reference
Documents, Provided by
Applicant, but Not Included in
Final Submittal

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2	NAN		18-022-0 THE PEARL DEVELOPMENT	APPLICATION #	4	Distribution to:
2	9	LOCATION: 85	856 NORTH OLD WOODWARD	PERIOD THRU: PROJECT #5:	11/25/2018	
FOR: GENERAL CONSTRUCTION		ARCHITECT; MA	BIRWINGFAW, MI 48009 MARUSICH ARCHITECTURE 36880 WOODWARD AVENUE SUITE 100 BLOOMFIELD HILLS, MI 48304	DATE OF CONTRACT:	05/29/2018	TIS CONTRACTOR
CONTRACTOR'S SUMMARY OF WORK Application is made for payment as shown below.	F WORK		Contractor's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) the Work has been performed as required in the Contract Documents, (2) all sums previously paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally entitled to this payment.	rance to Owner, concerning as required in the Contract ave been used to pay Cont for Work previously paid it.	ng the paymer Documents, tractor's costs for, and (3) Co	t herein applied for, 2) all sums previously for labor, materials intractor is legally
1. CONTRACT AMOUNT 2. SUM OF ALL CHANGE ORDERS	in	\$13,658,747.00				0,000,000,000
CURRENT CONTRACT AMOUNT     (Line	(Line 1 +/- 2) \$1	\$14,014,883.00	State of: Ohio County of: Luces	ANT CONTROLLER		
5. RETAINAGE:  a. 10.00% of Completed Work (Columns D + E on Continuation Page)  b. 10.00% of Material Stored (Column F on Continuation Page) Total Rehainane (I he 5a + 5h or	\$155,996.00		d and sworm to before 20th day of	December Complete KIMBERLY HEATH  Notary Public - State of Ohlo  Notary Public - State of Ohlo  Notary Public - State of Ohlo  Notary Public - State of Ohlo	KIMBEI Notary Pub Micommission	NLY HEATH to - State of Ohlo Expires March 22, 2022
Column I on Continuation Page) 6. TOTAL COMPLETED AND STORED LESS RETAINAGE (Line 4 minus Line 5 Total)		\$180,588.00 \$1,625,287.34	ARCHITECT'S CERTIII  Architect's signature below is his a that: (1) Architect has inspected the	TION  Toe to Owner, concerning to represented by this Applications	the payment fi	erein applied for, ch Work has been
7. LESS PREVIOUS PAYMENT APPLICATIONS 8. PAYMENT DUE		\$790,970.69	1 -	Application, and the quality (3) this Application for Pay refor, and (4) Architect km	y of workman ment accurati ows of no rea	hip and materials by states the amount on why payment
9. BALANCE TO COMPLETION (Line 3 minus Line 6)	\$12,389,595.66		CERTIFIED AMOUNT	e payment due, you shoul	ild attach an e	planation. Initial all
HANGE ORDERS ADDI	ADDITIONS DEDI	DEDUCTIONS	Architect:	on MARKSTOR	1.	
	\$0.00	\$0.00	By: Mather this Abolication nor payment abolied for herein is assignable or neutriable Dayment shall be	olied for herain is assignated	Date:	M. Co. IV
TOTALS S NET CHANGES S	\$356,136.00 \$356,136.00	\$0.00	-	prejudice to any rights of	Owner or Con	tractor under the

CONTINUATION PAGE

RETAINAGE (If Variable) 11/26/2018 11/25/2018 18-022-0 COMPLETION 3 \$130,142,40 \$20,000.00 \$2,265.00 \$10,000.00 \$10,000.00 \$53,868.00 \$1,190.00 \$7,481.00 \$1,047,000.00 \$424,784.46 \$106,300.00 \$72,650.00 \$12,667.00 \$75,932.00 \$844,629.00 \$595,841.00 139,591.25 \$64,300.00 115,000.00 \$166,623.00 393.85 \$67,890.00 \$40,000.00 \$35,000.00 5147,338.00 \$74,640.00 \$57,240.00 \$8,012.00 Page 2 of BALANCE (090) DATE OF APPLICATION: PERIOD THRU: PROJECT #5; APPLICATION # %0 %0 COMP. (0/0) COMPLETED AND \$0.00 \$32,535.60 \$320,436.35 \$24,633.75 \$0.00 \$893,093.34 O (D+E+F) STORED TOTAL (NOT IN D OR E) \$0.00 \$245,916,27 STORED THE PEARL DEVELOPMENT AMOUNT THIS PERIOD \$0.00 \$11,495.75 \$0.00 \$360,672.31 COMPLETED WORK 18-022-0 \$0.00 \$32,535.60 \$532,421,03 \$74,520.08 \$13,138.00 \$0.00 \$0.00 AMOUNT PREVIOUS PERIODS PROJECT ۵ \$72,650.00 \$20,000.00 \$2,265.00 \$10,000.00 \$1,190.00 \$7,481.00 \$1,717,487.19 \$67,890.00 \$1,047,000.00 \$106,300.00 \$12,667.00 5844,629.00 \$35,000.00 \$164,225.00 \$162,678.00 \$10,000.00 \$53,868.00 \$40,000.00 \$75,932.00 \$595,841.00 \$64,300.00 \$115,000.00 \$74,640.00 \$57,240.00 \$147,338.00 \$745,200.81 \$8,012.00 \$166,623.00 \$151,775,00 SCHEDULED Payment Application containing Contractor's signature is attached. AMOUNT O ANDSCAPING (ALLOWANCE) WORK DESCRIPTION SITE IMPROVEMENTS STEEL FABRICATION ROUGH CARPENTRY FINISH CARPENTRY BUILDING SIGNAGE OVERHEAD DOORS BALCONY RAILING GLASS & GLAZING MATERPROOFING OBBY MILLWORK DOORS & FRAMES ASPHALT PAVING METAL SCREENS 8 SITE CONCRETE FIREPROOFING EPDM ROOFING SIDING & TRIM **EXCAVATION** MISC. STEEL SUN SHADE NSULATION CONCRETE GYPCRETE CAULKING WINDOWS MASONRY STRIPING FENCING ITEM# 2 8 8 8 8 22 2 2 2 2 2 6 20 28 28

Quantum Software Solutions, Inc. Document

\$5,306,532.96

18%

\$1,270,699.04

\$245,916.27

\$372,168.06

\$652,614.71

\$6,577,232.00

SUB-TOTALS

\$151,775.00

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\$0.00

\$0.00

CONTINUATION PAGE

Page 3 of 3

RETAINAGE (If Variable) 11/26/2018 11/25/2018 18-022-0 COMPLETION (C-G) 350,955.00 \$761,000.00 \$229,950.00 \$78,000.00 \$93,045.00 5272,963.00 \$4,250.00 \$27,936.00 \$11,642.00 \$122,000.00 \$587,211.79 \$566,190.53 \$13,900.00 \$27,640.00 \$95,061.00 \$41,440.00 \$570,000.00 \$252,850.00 \$836,400.00 \$1,202,094.67 \$356,700.70 \$84,022.43 \$307,222.58 \$12,209,007.66 PERIOD THRU: DATE OF APPLICATION: PROJECT #S: APPLICATION # %0 %0 13% COMP. 15% 3% 13% 14% % TOTAL COMPLETED AND STORED (D+E+F) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$42,000.00 \$0.00 \$0.00 \$0.00 \$1,805,875.34 \$178,037.33 \$83,856.47 \$52,829.30 111,378.57 \$48,913.42 \$18,161,21 O (NOT IN D OR E) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$245,916.27 STORED THE PEARL DEVELOPMENT AMOUNT THIS PERIOD \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$42,000.00 \$6,053.75 \$27,152.00 \$681,102.38 \$79,251.00 \$43,099.00 \$111,378.57 COMPLETED WORK 18-022-0 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$12,107.46 \$25,677.30 \$0.00 \$48,913.42 \$98,786.33 \$40,757.47 \$878,856.69 AMOUNT PREVIOUS PERIODS PROJECT 0 \$93,045.00 \$360,955.00 \$272,963.00 \$229,950.00 \$13,900.00 \$4,250.00 \$27,936.00 \$95,061.00 \$41,440.00 \$11,642.00 \$122,000.00 \$570,000.00 \$761,000.00 \$27,640.00 \$120,000.00 \$605,373.00 \$14,014,883.00 \$252,850.00 \$836,400.00 \$1,380,132.00 \$650,047.00 \$195,401.00 \$356,136.00 \$409,530.00 SCHEDULED Payment Application containing Contractor's signature is attached. AMOUNT Ö PARKING GATES (ALLOWANCE) PAINTING & WALLCOVERING DRYWALL & METAL STUDS RESIDENTIAL APPLIANCES GENERAL REQUIREMENTS WORK DESCRIPTION CERAMIC TILE FLOORING DIVISION 10 SPECIALTIES ACOUSTICAL CEILINGS WHITE BOX BUILD OUT BUILDERS OVERHEAD FIRE EXTINGUISHERS MINDOW TREATMENT CHANGE ORDER #01 TOTALS FIRE PROTECTION BUILDERS PROFIT m RASH CHUTE FIREPLACES ELECTRICAL CARPETING ELEVATORS PLUMBING CRANE HVAC TEM# 32 8 8 8 39 37 2 2 47 48 45 20 5 52

### PARTIAL CONDITIONAL WAIVER OF LIEN

Owner:

FLS Properties #5, LLC

Contractor:

The Douglas Company

Project:

The Pearl

Contract:

May 29, 2018

Contractor, The Douglas Company, upon the receipt of \$834,316.65 for Application #04 related to work through 11/25/2018 for labor, material, and services provided by Contractor in connection with the above referenced Project and Contract, Contractor will waive any and all rights that it may have to file a mechanic's lien to the extent of the sums received.

### THE DOUGLAS COMPANY

By: Lynn M. Miller

Title: Assistant Controller

Sworn to before me this 26<sup>th</sup> day of Noy., 2018

Notary

My commission expires:

<u>3/22/2022</u>

KIMBERLY HEATH
Notary Public - State of Ohio
My Commission Expires March 22, 2022

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	FLS PROPERTIES #5, LLC 2950 WALNUT LAKE ROAD	C AD	PROJECT NAME AND LOCATION:	18-022-0 THE PEARL DEVELOPMENT	APPLICATION # PERIOD THRU:	5 Distribution to: 12/25/2018	
	WEST BLOOMFIELD, MI 48323	48323		856 NOR H OLD WOODWARD BIRMINGHAM, MI 48009	PROJECT #s:	18-022-0 ARCHITECT	
FROM:	THE DOUGLAS COMPANY	<b>≥</b>	ARCHITECT:	MARUSICH ARCHITECTURE	DATE OF CONTRACT:	05/29/2018 CONTRACTOR	8 
	1716 PERRYSBURG HOLLAND ROAD	LAND ROAD		36880 WOODWARD AVENUE SUITE 100		][	_
	HOLLAND, OHIO 43528			BLOOMFIELD HILLS, MI 48304		]	_
FOR:	GENERAL CONSTRUCTION	ON					
CONTE	CONTRACTOR'S SUMMARY OF WORK	IARY OF WORK		Contractor's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) the Work has been performed as required in the Contract Documents, (2) all sums previously	ance to Owner, concerning the sequired in the Contract Do	ne payment herein applied for, cuments, (2) all sums previous	
Application Sontinuation	Application is made for payment as shown below. Continuation Page is attached.	hown below.		paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally entitled to this payment.	we been used to pay Contrac for Work previously paid for,	tor's costs for labor, materials and (3) Contractor is legally	
1. CONTR	CONTRACT AMOUNT		\$13,658,747.00	CONTRACTOR: THE DOUGLAS COMPANY	PANY		_
2. SUM O	SUM OF ALL CHANGE ORDERS		\$405,517.11	7.11 By: Man M. M.	Date:	e: 01/31/2019	
3. CURRE	CURRENT CONTRACT AMOUNT	(Line 1 +/- 2)	\$14,064,264.11	<u>}</u>	ANT CONTROLLER		
1. TOTAL	TOTAL COMPLETED AND STORED	ED	\$2,429,057.63	7.63 State of: Ohio			
(Colum	(Column G on Continuation Page)			County of: Lucas	WHITE A STATE OF		_
5. RETAINAGE:	VAGE:			Subscribed and sworn to before			
a. 10	10.00% of Completed Work		\$218,314.00	me this 31st day of Ja	nuary 20th	PAMELA M. KLATT	_
<u>ල</u>	(Columns D + E on Continuation Page)	nn Page)		XX ( ) ( ) ( ) ( ) ( )	では、大大で	INDITION FUGIC - STATE OF UNIO	_
b. 10	10.00% of Material Stored		\$24,592.00	Notary Public:		A Commission Express (45, 5, 405)	_
Col Total R	(Column F on Continuation Page) Total Retainage (Line 5a + 5b or	ge)		My Commission Expires:	White Or Will		
Col	Column I on Continuation Page)	(a)	\$242,906.00	ARCHITECT'S CERTIFICATION	NOIT		
TOTAL	TOTAL COMPLETED AND STORED LESS RETAINAGE	ED LESS RETAINAGE	\$2,186,151.63	T	ice to Owner, concerning the	payment herein applied for,	-
(Line 4	(LING 4 MINUS LING 3 1 0/31) LESS PREVIOUS PAYMENT APPLICATIONS	PLICATIONS	\$1,625,287.34	completed to the extent indicated in this Application, and the quality of workmanship and materials	K represented by this Applica Application, and the quality of	tion, (2) such Work has been f workmanship and materials	
				of Work completed and payment due therefor, and (4) Architect knows of no reason why payment	refor, and (4) Architect knows	nt acculately states the allibusts of no reason why payment	_
. PAYME	PAYMENT DUE		\$560,864.29	=			-
BALAN	BALANCE TO COMPLETION	•		CERTIFIED AMOUNT			_
(Line 3	(Line 3 minus Line 6)	\$11,878,112.48		(If the certified amount is different from the payment due, you should attach an explanation. Initial all	ne payment due, you should a	ntach an explanation. Initial all	
SUMMARY	SUMMARY OF CHANGE ORDERS	ADDITIONS	DEDUCTIONS	tre rightes trat are cranged to match the certified amount.	r certined amount.)		
Total changes appression	Total changes approved in previous months	\$356,136.00	)\$ 	\$0.00 Architect:: JOHN	JOHN MARUSICH		
Total app	Total approved this month	\$49,381.11	0\$	\$0.00		Calc.	1
	TOTALS	\$405,517.11	\$0	\$0.00 Netroer his Application nor payment applied for nerein is assignable or negotable. Payment shall be \$0.00 II made only to Contractor, and is without prejudice to any rights of Owner or Contractor under the	prejudice to any rights of Ow	or negotiable. Payment shall I	Φ
	NET CHANGES	\$405,517.11		Contract Documents or otherwise.			

PAYMENT APPLICATION

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			PROJECT:	18-022-0			APPLICATION #:	TION #:	5
				THE PEARL DEVELOPMENT	ELOPMENT	DATEO	DATE OF APPLICATION:	SATION:	01/31/2019
Payment Ap	Payment Application containing Contractor's signature is attached.	ature is attached.					PERIO	PERIOD THRU:	12/25/2018
							PROJ	PROJECT #s:	18-022-0
A	B	C	٥	В	ட	Ø		I	_
		1	COMPLET	COMPLETED WORK	STORED	TOTAL	%	BALANCE	
ITEM #	WORK DESCRIPTION	SCHEDULED	AMOUNT PREVIOUS PERIODS	AMOUNT THIS PERIOD	MATERIALS (NOT IN D OR E)	COMPLETED AND STORED (D + E + F)	COMP. (G / C)	TO COMPLETION (C-G)	RETAINAGE (If Variable)
9	EXCAVATION	\$162,678.00	\$32,535.60	\$8,133.90	\$0.00	\$40,669.50	25%	\$122,008.50	
05	ASPHALT PAVING	\$20,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$20,000.00	
03	STRIPING	\$2,265.00	\$0.00	\$0.00	\$0.00	\$0.00	%	\$2,265.00	
8	SITE IMPROVEMENTS	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$10,000.00	
90	LANDSCAPING (ALLOWANCE)	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$10,000.00	
90	SITE CONCRETE	\$53,868.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$53,868.00	
07	FENCING	\$1,190.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$1,190.00	
80	BUILDING SIGNAGE	\$7,481.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$7,481.00	
60	CONCRETE	\$1,717,487.19	\$893,093.34	\$223,273.33	\$0.00	\$1,116,366.67	%59	\$601,120.52	
10	GYPCRETE	\$67,890.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$67,890.00	
=	MASONRY	\$1,047,000.00	\$0.00	\$20,940.00	\$0.00	\$20,940.00	2%	\$1,026,060.00	
12	STEEL FABRICATION	\$745,200.81	\$74,520.08	\$0.00	\$245,916.27	\$320,436.35	43%	\$424,764.46	
5	MISC. STEEL	\$106,300.00	\$0.00	\$0.00	\$0.00	\$0.00	%	\$106,300.00	
14	FIREPROOFING	\$40,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$40,000.00	
ਨ	SUN SHADE	\$72,650.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$72,650.00	
16	METAL SCREENS	\$12,667.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$12,667.00	
17	BALCONY RAILING	\$75,932.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$75,932.00	
8	ROUGH CARPENTRY	\$844,629.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$844,629.00	
19	FINISH CARPENTRY	\$595,841.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$595,841.00	
20	LOBBY MILLWORK	\$35,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$35,000.00	
21	WATERPROOFING	\$164,225.00	\$24,633.75	\$32,845.00	\$0.00	\$57,478.75	35%	\$106,746.25	
22	INSULATION	\$64,300.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$64,300.00	
23	EPDM ROOFING	\$115,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$115,000.00	
24	SIDING & TRIM	\$74,640.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$74,640.00	
25	CAULKING	\$57,240.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$57,240.00	
26	DOORS & FRAMES	\$147,338.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$147,338.00	
27	OVERHEAD DOORS	\$8,012.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$8,012.00	
28	WINDOWS	\$166,623.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$166,623.00	
29	GLASS & GLAZING	\$151,775.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$151,775.00	
	SUB-TOTALS	\$6,577,232.00	\$1,024,782.77	\$285,192.23	\$245,916.27	\$1,555,891.27	24%	\$5,021,340.73	i

CONTINUATION PAGE

CONTINUATION PAGE

PROJECT:	18-022-0	APPLICATION #:	ເດ
	THE PEARL DEVELOPMENT	DATE OF APPLICATION:	01/31/2019
Payment Application containing Contractor's signature is attached.		PERIOD THRU:	12/25/2018

Page 3 of 3

	_	_																										
18-022-0	_		RETAINAGE (If Variable)																									
PROJECT #s:	Ξ	BALANCE	TO COMPLETION (C-G)	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$78,000.00	\$570,000.00	\$581,158.08	\$252,850.00	\$836,400.00	\$1,141,783.67	\$537,783.53	\$338,803.70	\$44,942.23	\$152 261 47	\$18,101.07	\$11,635,206.48
PRO.		%	COMP. (G / C)	%0	%0	%	%0	%0	%0	%0	%0	%0	%0	%0	%0	%0	35%	%0	4%	%0	%0	17%	17%	17%	41%	57%	63%	17%
	9	TOTAL	COMPLETED AND STORED (D + E + F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,000.00	\$0.00	\$24,214.92	\$0.00	\$0.00	\$238,348.33	\$112,263.47	\$70,726.30	\$150,458.77	\$203 874 53	\$31,280.04	 \$2,429,057.63
	ш	STORED	MATERIALS (NOT IN D OR E)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$245,916.27
	Ш	COMPLETED WORK	AMOUNT THIS PERIOD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,053.71	\$0.00	\$0.00	\$60,311.00	\$28,407.00	\$17,897.00	\$39,080.20	\$154 961 11	\$31,280.04	\$623,182.29
	۵	COMPLET	AMOUNT PREVIOUS PERIODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,000.00	\$0.00	\$18,161.21	\$0.00	\$0.00	\$178,037.33	\$83,856.47	\$52,829.30	\$111,378.57	\$48 913 42	\$0.00	\$1,559,959.07
	၁		SCHEDOLED	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$120,000.00	\$570,000.00	\$605,373.00	\$252,850.00	\$836,400.00	\$1,380,132.00	\$650,047.00	\$409,530.00	\$195,401.00	\$356.136.00	\$49,381.11	\$14,064,264.11
	В		WORK DESCRIPTION	DRYWALL & METAL STUDS	ACOUSTICAL CEILINGS	CERAMIC TILE FLOORING	CARPETING	PAINTING & WALLCOVERING	PARKING GATES (ALLOWANCE)	FIRE EXTINGUISHERS	WINDOW TREATMENT	FIREPLACES	DIVISION 10 SPECIALTIES	WHITE BOX BUILD OUT	TRASH CHUTE	RESIDENTIAL APPLIANCES	ELEVATORS	HVAC	PLUMBING	FIRE PROTECTION	ELECTRICAL	GENERAL REQUIREMENTS	BUILDERS OVERHEAD	BUILDERS PROFIT	CRANE	CHANGE ORDER #01	CHANGE ORDER #02	TOTALS
	A		ITEM#	30	31	32	33	8	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	
											Anr	ota	ited	Su	bmi	ittal		_								-1		 

### PARTIAL CONDITIONAL WAIVER OF LIEN

Owner:

FLS Properties #5, LLC

Contractor:

The Douglas Company

Project:

The Pearl

Contract:

May 29, 2018

Contractor, The Douglas Company, upon the receipt of \$560,864.29 for Application #05 related to work through 12/25/2018 for labor, material, and services provided by Contractor in connection with the above referenced Project and Contract, Contractor will waive any and all rights that it may have to file a mechanic's lien to the extent of the sums received.

### THE DOUGLAS COMPANY

By. Lynn M. Miller

Title: Assistant Controller

Sworn to before me this 3rd day of Jan., 2019

Notary

KIMBERLY HEATH

Notary Public - State of Ohio My Commission Expires March 22, 2022

My commission expires:

3/22/2022

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6 Distribution to: 01/25/2019		Contractor's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) the Work has been performed as required in the Contract Documents. (2) all sums previously paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally		Date: 02/13/2019				KIMBERLY HEATH	Notary Public - State of Ohio	TO THE WALLES WELL AND THE STATE OF THE STAT		ce to Owner, concerning the payment herein applied for,	of workmanship and materials	nent accurately states the amount ws of no reason why payment			d attach an explanation. Initial all			Date:	Neither this Application nor payment applied for herein is assignable or negotiable. Payment shall be	Wher or Contractor under the
APPLICATION # PERIOD THRU: PROJECT #8: DATE OF CONTRACT:	2	s assurance to Owner, concerning med as required in the Contract D act have been used to pay Contract for Work previously paid fo	COMPANY		YNN M. MILLER, ASSISTANT CONTROLLER		Ala Alamin	Feb	1	A	CICATION	issurance to Owner, concerning the	in this Application, and the quality	iems, (3) this Application for Payri Iue therefor, and (4) Architect kno			from the payment due, you should	ion are cermined amount.)	JOHN MARUSICH		nent applied for herein is assignab	made only to Contractor, and is without prejudice to any rights of Owner or Contractor under the
18-022-0 THE PEARL DEVELOPMENT 856 NORTH OLD WOODWARD BIRMINGHAM, MI 48009 MARUSICH ARCHITECTURE	BLOOMFIELD HILLS, MI 48304	Contractor's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) the Work has been performed as required in the Contract Documents. (2) all sums previous paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally	entitled to this payment.  CONTRACTOR: THE DOUGLAS COMPANY	By: Man	1	State or: Onlo County of: Lucas	Subscribed and sworn to before	me this 13th day of	Notary Dublin	, Expi	APCHITECT'S CEDTIFICATION	Architect's signature below is his assurance to Owner, concerning the payment herein applied for,	completed to the extent indicated in this Application, and the quality of workmanship and materials	comorms with the Contract Documents, (3) this Application for Payment accurately states the amount of Work completed and payment due therefor, and (4) Architect knows of no reason why payment	should not be made.	CERTIFIED AMOUNT	(If the certified amount is different from the payment due, you should attach an explanation. Initial all the former that are changed to match the certified amount?	מום וולמוסי חומו מום הומולמה וה יום	Architect::	By:	Neither this Application nor paym	made only to Contractor, and is w
PROJECT 18-03 NAME AND THE LOCATION: 856 I BIRN ARCHITECT: MAR	ВГОС		\$13,658,747.00	\$461,201.17	\$14,119,948.17	\$2,739,251.57		\$249,334.00	\$24,592.00		\$273,926.00	\$2,465,325.57	\$2,186,151.63		\$279,173,94		09	DEDUCTIONS	00 00	00.00	\$0.00	\$0.0¢
C AD A A A A A A A A A A A A A A A A A A	NO	ARY OF WORK Iown below.			(Line 1 +/- 2)	ED						ED LESS RETAINAGE	LICATIONS				\$11,654,622.60	ADDITIONS	\$40E E17 11	11.710,004%	\$55,684.06	\$401,201.17 \$481.201.17
FLS PROPERTIES #5, LLC 2950 WALNUT LAKE ROAD WEST BLOOMFIELD, MI 48323 THE DOUGLAS COMPANY 1716 PERRYSRI IRG HOLLAND ROAD	HOLLAND, OHIO 43528 GENERAL CONSTRUCTION	CONTRACTOR'S SUMMARY OF WORK Application is made for payment as shown below.	CONTRACT AMOUNT	SUM OF ALL CHANGE ORDERS	CURRENT CONTRACT AMOUNT	TOTAL COMPLETED AND STORED (Column G on Continuation Page)	RETAINAGE:	10.00% of Completed Work	(Columns D + E on Continuation Page) 10.00% of Material Stored	(Column F on Continuation Page)	al Netalliage (Lille 3a + 30 ol Column I on Continuation Page)	TOTAL COMPLETED AND STORED LESS RETAINAGE	(EINE 4 INNINS EINE 3 FORB) LESS PREVIOUS PAYMENT APPLICATIONS		PAYMENT DUE	BALANCE TO COMPLETION	(Line 3 minus Line 6)	SUMMARY OF CHANGE ORDERS	Total changes approved in	previous months	Total approved this month	NET CHANGES
TO:	FOR:	ONT	CONT	SUM	CURF	Colur	RETA	œ ~	ت ف	Ŏ F	ပိ	TOTA	LESS		8. PAYM	BALA	(Line (	UMMAF	Total cf	previous	l otal ag	

PAYMENT APPLICATION

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			PROJECT:	18-022-0			APPLICATION #:	/TION #:	9
				THE PEARL DEVELOPMENT	ELOPMENT	DATEO	DATE OF APPLICATION:	:ATION:	02/13/2019
Payment Ap	Payment Application containing Contractor's signature is attached.	ature is attached.					PERIOL PRO.I	PERIOD THRU:	01/25/2019
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			COMPLET	COMPLETED WORK	STORED	TOTA!	8	EAI ANCE	- !
ITEM#	WORK DESCRIPTION	SCHEDULED AMOUNT	AMOUNT PREVIOUS PERIODS	AMOUNT THIS PERIOD	MATERIALS (NOT IN D OR E)	AND O	COMP.	COMPLETION (C-G)	RETAINAGE (If Variable)
9	EXCAVATION	\$162,678.00	\$40,669.50	\$0.00	\$0.00	\$40,669.50	25%	\$122,008.50	
02	ASPHALT PAVING	\$20,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$20,000.00	
03	STRIPING	\$2,265.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$2,265.00	
04	SITE IMPROVEMENTS	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$10,000.00	
02	LANDSCAPING (ALLOWANCE)	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$10,000.00	
90	SITE CONCRETE	\$53,868.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$53,868.00	
07	FENCING	\$1,190.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$1,190.00	
90	BUILDING SIGNAGE	\$7,481.00	\$0.00	\$0.00	\$0.00	\$0.00	%	\$7,481.00	
60	CONCRETE	\$1,717,487.19	\$1,116,366.67	\$85,874.36	\$0.00	\$1,202,241.03	%02	\$515,246.16	_
10	GYPCRETE	\$67,890.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$67,890.00	
11	MASONRY	\$1,047,000.00	\$20,940.00	\$31,410.00	\$0.00	\$52,350.00	2%	\$994,650.00	
12	STEEL FABRICATION	\$745,200.81	\$74,520.08	\$14,904.01	\$245,916.27	\$335,340.36	45%	\$409,860.45	
13	MISC. STEEL	\$106,300.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$106,300.00	
4	FIREPROOFING	\$40,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$40,000.00	
15	SUN SHADE	\$72,650.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$72,650.00	
16	METAL SCREENS	\$12,667.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$12,667.00	
17	BALCONY RAILING	\$75,932.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$75,932.00	
8	ROUGH CARPENTRY	\$844,629.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$844,629.00	
19	FINISH CARPENTRY	\$595,841.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$595,841.00	
20	LOBBY MILLWORK	\$35,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$35,000.00	
21	WATERPROOFING	\$164,225.00	\$57,478.75	\$59,121.00	\$0.00	\$116,599.75	71%	\$47,625.25	
22	INSULATION	\$64,300.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$64,300.00	
23	EPDM ROOFING	\$115,000.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$115,000.00	
24	SIDING & TRIM	\$74,640.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$74,640.00	
25	CAULKING	\$57,240.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$57,240.00	
56	DOORS & FRAMES	\$147,338.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$147,338.00	
27	OVERHEAD DOORS	\$8,012.00	\$0.00	\$0.00	\$0.00	\$0.00	%	\$8,012.00	
28	WINDOWS	\$166,623.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$166,623.00	
59	GLASS & GLAZING	\$151,775.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$151,775.00	
	SUB-TOTALS	\$6,577,232.00	\$1,309,975.00	\$191,309.37	\$245,916.27	\$1,747,200.64	27%	\$4,830,031.36	

CONTINUATION PAGE

CONTINUATION PAGE

02/13/2019 01/25/2019 18-022-0 APPLICATION #: DATE OF APPLICATION: PERIOD THRU: THE PEARL DEVELOPMENT 18-022-0 PROJECT: Payment Application containing Contractor's signature is attached.

Page 3 of 3

PROJECT #s:

_		RETAINAGE (If Variable)											_																
I	BALANCE	TO COMPLETION (C-G)	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$78,000.00	\$570,000.00	\$581,158.08	\$252,850.00	\$836,400.00	\$1,112,386.67	\$523,937.53	\$330,080.70	\$9,770.05	\$138,252.44	\$15,521.56	\$30,706.16	\$9,820.05	\$11,380,696.60
	%	COMP.	%0	%0	%0	%0	%0	%0	%0	%0	%0	%0	%0	%0	%0	35%	%0	4%	%0	%0	19%	19%	19%	%56	61%	<b>%69</b>	15%	20%	 19%
ტ	TOTAL	COMPLETED AND STORED (D + E + F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,000.00	\$0.00	\$24,214.92	\$0.00	\$0.00	\$267,745.33	\$126,109.47	\$79,449.30	\$185,630.95	\$217,883.56	\$33,859.55	\$5,337.80	\$9,820.05	\$2,739,251.57
ш	STORED	MATERIALS (NOT IN D OR E)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$245,916.27
ш	COMPLETED WORK	AMOUNT THIS PERIOD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29,397.00	\$13,846.00	\$8,723.00	\$35,172.18	\$14,009.03	\$2,579.51	\$5,337.80	\$9,820.05	\$310,193.94
۵	COMPLET	AMOUNT PREVIOUS PERIODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,000.00	\$0.00	\$24,214.92	\$0.00	\$0.00	\$238,348.33	\$112,263.47	\$70,726.30	\$150,458.77	\$203,874.53	\$31,280.04	\$0.00	\$0.00	\$2,183,141.36
ပ	1	SCHEDULED	\$761,000.00	\$93,045.00	\$360,955.00	\$272,963.00	\$229,950.00	\$13,900.00	\$4,250.00	\$27,936.00	\$27,640.00	\$95,061.00	\$41,440.00	\$11,642.00	\$122,000.00	\$120,000.00	\$570,000.00	\$605,373.00	\$252,850.00	\$836,400.00	\$1,380,132.00	\$650,047.00	\$409,530.00	\$195,401.00	\$356,136.00	\$49,381.11	\$36,043.96	\$19,640.10	\$14,119,948.17
В		WORK DESCRIPTION	DRYWALL & METAL STUDS	ACOUSTICAL CEILINGS	CERAMIC TILE FLOORING	CARPETING	PAINTING & WALLCOVERING	PARKING GATES (ALLOWANCE)	FIRE EXTINGUISHERS	WINDOW TREATMENT	FIREPLACES	DIVISION 10 SPECIALTIES	WHITE BOX BUILD OUT	TRASH CHUTE	RESIDENTIAL APPLIANCES	ELEVATORS	HVAC	PLUMBING	FIRE PROTECTION	ELECTRICAL	GENERAL REQUIREMENTS	BUILDERS OVERHEAD	BUILDERS PROFIT	CRANE	CHANGE ORDER #01	CHANGE ORDER #02	CHANGE ORDER #03	CHANGE ORDER #04	TOTALS
٧		ITEM#	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	52	

Quantum Software Solutions, Inc. Document

CONTINUATION PAGE



**Corporate Headquarters** 

Lansing, Michigan 3340 Ranger Road, Lansing, MI 48906

f: 877.884.6775 t: 517.321.3331 Michigan Locations

Berkley Grand Rapids Lansing Bay City Chesterfield

Revised March 8, 2021 November 16, 2020

Ms. Jana Ecker
Director of Planning, City of Birmingham
Birmingham Redevelopment Authority
151 Martin Street
Birmingham, Michigan 48009

RE: Tax Increment Financing Reimbursement Request for the Pearl Development Located at 856 North Old Woodward Avenue, Michigan 48009; Request 01

Ms. Ecker:

Enclosed is Tax Increment Financing (TIF) Reimbursement Request 01 for the Property located at 856 North Old Woodward Avenue, Michigan.

This request is being submitted on behalf of FLS Properties #5, LLC ("Developer"). The terms for reimbursement of eligible brownfield costs were set forth in the Brownfield Reimbursement Agreement executed by the City of Birmingham's Brownfield Redevelopment Authority (BRA) and FLS Properties #5, LLC on October 27, 2016.

Enclosed is a description of each individual Eligible Activity, the associated costs of each activity, and documentation of the costs incurred including proof of payment and detailed invoices.

To the extent that this submission is approved, the BRA shall cause Developer to be paid the amounts approved as determined eligible under the Brownfield Plan and documented in the reimbursement request.

The total not to exceed cost for Eligible Activities approved in the Brownfield Plan is \$2,656,610.00. This total included an estimated \$508,364 in 3% simple interest which will be calculated based on the actual reimbursement schedule. Therefore, less interest, the total not to exceed is \$2,148,247.00.

The total amount of Eligible Activity reimbursement under this request, Request 01, is \$1,940,528.97 resulting in a remaining balance of \$207,718.03 for future reimbursement requests.

If you have any questions related to this request, please do not hesitate to contact our office at (248) 336-9988 or email at <a href="masserang@pmenv.com">masserang@pmenv.com</a>.

Sincerely,

PM ENVIRONMENTAL, INC.

Elizabeth Masserang

Regional Manager - Brownfield & Economic

Manuary

Incentives

I certify that the information submitted on and with this Request for Reimbursement is accurate and is an eligible cost described in the Brownfield Plan for this project approved by the City Commission of Birmingham.

Name:

Frank Simon

FLS Properties #5, LLC

Signature:

Date:

3/8/2021

Title:

Owner

Address: 2950 Walnut Lake Road

W. Bloomfield, MI 48323

### Exhibit C

Brownfield Request for Cost Reimbursement For Eligible Activities

Date:	3/8/2021	
-------	----------	--

Listed below are total costs expended for each eligible activity category for the expenses being submitted with this request. Attached is evidence of each cost item, including proof of payment and detailed invoices.

Eligi	ble Activity Category	Total Cost
1,	Phase I/Phase II/BEA	\$14,015
2.	Due Care Activities	\$1,916,513.97
3.	Additional Response Activities	\$0
4.	Brownfield Plan preparation	\$10,000
5.	Interest	3% on actual unreimpursed costs
	Total Cost Reimbursement Request	\$1,940,528.97 plus interest

I certify that the information submitted on and with this Request for Cost Reimbursement is accurate and is an eligible cost described in the Brownfield Plan for this project approved by the City Council of the City of Birmingham.

Developer: FLS Properties #5, LLC

Signature:

Title: Owner

Address: 2950 Walnut Lake Road

W. Bloomfield, MI 48323

# Appendix A



## **Description of Eligible Activities Conducted**

The Eligible Activities (as defined by Section 2 of Public Act 381, as amended) that were completed as permitted under the Brownfield Redevelopment Financing Act and included in the approved Brownfield Plan are further described below and in Appendix A:

## Baseline Environmental Site Assessment Activities

Baseline Environmental Site Assessment activities approved under the Brownfield Plan included a Phase I Environmental Site Assessment (ESA), Phase II ESA, Baseline Environmental Assessment (BEA), and Documentation of Due Care Compliance (DDCC) totaling \$14,155.00.

Baseline Environmental Site Assessment activities within this request included a Phase II ESA and BEA.

Costs are tabulated within Appendix B for a total cost of \$14,015.00 and associated invoice are provided in Appendix C.

### **Due Care Activities**

PM Environmental, Inc. (PM) conducted delineation and sampling of existing Tetrachloroethylene soil concentrations in May/June 2016, prior to the excavation to better define the horizonal extent of chlorinated solvent impacts in soils and groundwater. A total of \$5,690.00 is being requested in relation to this work of the \$21,945.00 that was budgeted.

HM Environmental Services Inc. (HM) completed the removal, transport and disposal of 15,245.35 tons of contaminated soils, which more specifically included 10,090.70 tons of hazardous waste soils and 5,154.65 tons of non-hazardous waste soils. The removal was associated with the required site grading and spoils related to the installation of the new building foundations and utilities.

Contaminated soil transportation and disposal cost estimates received at the time of Brownfield Plan development was for up to 20,095 tons and were described as follows:

- "A portion of contaminated soils (approximately 6,705 of the identified 20,095 tons), located along the northern property boundary are anticipated to require disposal as a listed hazardous waste, estimated for a cost differential of \$40.35/ton.
- Transport of 20,095 tons of contaminated soil cost is estimated at \$412,553. This estimate
  includes both; Transport of up to 13,390 tons of soil to a Type II Landfill at \$7/ton totaling
  \$93,730; and Transport of up to 6,705 tons of hazardous material at \$47.55/ton totaling
  \$318.823.
- Disposal of 20,095 tons of contaminated soil cost is estimated at \$1,159,735. This estimate includes both; Disposal of up to 13,390 tons of soil to a Type II Landfill at \$11.50/ton totaling \$153,985 and; Disposal of up to 6,705 tons of hazardous material at \$150/ton totaling \$1,005,750."

The actual volumes and soils incurred was as follows:

- A total of 10,090.70 tons of hazardous soils were excavated at a cost of \$10/ton which would be \$5/ton more than if the soils were non-hazardous. At a rate of \$5/ton, a total of \$50,453.50 is being requested for this line item.
- A total of 10,090.70 tons of hazardous soils were transported and disposed of at a cost of \$150.75/ton, split between transportation at \$23/ton and disposal at \$127.75/ton. At a rate of \$150.75/ton, a total of \$1,521,173.03 is being requested for this line item.
- A total of 5,154.65 tons of non-hazardous soils were transported and disposed of at a cost of \$31.50/ton, split between transportation at \$16/ton and disposal at \$15.50/ton. At a rate of \$31.50/ton, a total of \$162,371.48 is being requested for this line item.

In summary a total of \$1,733,998.02 is being requested for reimbursement, related to the excavation of hazardous soils and the transport and disposal of both hazardous and non-hazardous soils. This is documented in Appendix C.

During the transport and disposal of hazardous soils, to prevent migration of contamination offsite, trucks were lined with Visqueen, a polyethylene plastic sheeting liner. A total of \$15,800.00 was incurred for this.

Contaminated groundwater disposal cost estimates received at the time of Brownfield Plan development was for 30,000 gallons at \$1.40/gal. A total of 36,935.00 gallons of contaminated groundwater was disposed and a cost of \$19,177.25 under contract with HM Environmental. Additionally, Future Environmental, a subcontractor to The Douglas Company conducted discharge of contaminated water at a cost of \$12,485 under Change Order #02 of which 98% (\$12,235.30) is being requested based on proof of payment documentation to date. An additional \$7,050.00 was incurred with the related permitting and reporting. The related detail is included in Appendix C.

PM completed assessment, oversight and verification of soil removal. Soil removal to support construction activities was completed between November 2017 and March 2018 in compliance with applicable regulations for handling and disposal.

Assessment, oversight, verification sampling and reporting cost estimates scoped at the time of Brownfield Plan development was for \$28,475 for known site conditions. Actual costs for these services amounted to \$88,799.74. Due to the nature of the site especially with the increased amount of hazardous soils to be assessed, observed, sampled and reported, more samples and time was needed than originally estimated, explaining the higher cost incurred and provided in the request.

Since the soil removal activities were not planned to remove all contaminants of concern, a chemically resistant vapor barrier and passive ventilation system was installed along the northern sub-grade wall of the parking area and under enclosure portions of the lowest floor of the building.

The presumptive vapor intrusion concerns were mitigated by installing a vapor barrier and passive venting system in accordance with vapor barrier manufacturer's recommendations. Therefore, no additional investigation was required to further assess the vapor intrusion pathway. AKT Peerless conducted a vapor barrier inspection in June 2019, under Douglas's contract which confirmed that the vapor barrier and passive venting system was installed in accordance with the design

specifications, manufacturer requirements, and passed smoke testing conducted by the installer conducted to verify that the vapor barrier membrane system was leak free at the time it was installed. The Douglas Company oversaw this work under Change Order 02 and 03 of their contract. Costs of \$25,542.00 was incurred related to the vapor barrier and vapor barrier installation of which 98% (\$25,031.16) is being requested based on proof of payment documentation to date. The associated change orders are provided in Appendix C.

A cost of \$3,750.00 was incurred related to vapor barrier specifications and \$4,982.50 was incurred as it relates to the coordination of proper and compliant financial tracking and reporting, as required in relation to due care, additional response, and brownfield related activities being submitted for reimbursement.

These activities are eligible as they are defined by Act 381 as eligible activities and listed in the approved Brownfield Plan within the description of costs to be paid for with TIR. The Brownfield Plan approved a cost of \$2,130,515 for these activities. Costs are tabulated within Appendix C for a total cost of \$1,916,513.97 and associated documentation is provided.

### **Brownfield Plan Preparation**

Brownfield Plan and Act 381 Work Plan Preparation were approved under the Brownfield Plan totaling \$9,000.00. Preparation of the Brownfield Plan and Act 381 Work Plan included meetings/consultations, report preparation, and associated correspondence and management activities.

Costs are tabulated within Appendix B for a total cost of \$10,000.00 for Request 01. A Change Order was issued for this item in association with additional documentation and meetings at the request of the Birmingham Brownfield Redevelopment Authority (BBRA). The associated invoice is provided in Appendix C.

# Appendix B



### Appendix B

### Brownfield Reimbursement Request 856 North Old Woodward Avenue, Birmingham, MI PM Project: 01-05889-0-0010 As of March 8, 2021

Table 1: 856 North Old Woodward Ave, Birmingham - Eligible Activities Cost Esti	mates (incl. Sc	hool Tax Captu	re)					
Item/Activity		tal Approved	Actual Cost	Balance	Invoice Number	Line Item	Contractor	Notes/Description
Baseline Environmental Assessments			ı				·	
Phase I ESA, Phase II ESA, BEA, DDCC	\$	14,155	\$ 14,015.00	\$ 140.00	73902	-	PM Environmental	Phase II ESA/BEA
Baseline Environmental Assessments Total	\$	14,155						
Due Care Activities	·	,	,					
Excavation of hazardous material	\$	270,547				I	1	10,900.70 tons excavated, transported and disposed of at \$155.75/ton
Transportation and Disposal of Hazardous Soils	· ·	,	A 574 000 55	00 400 05	D 4.4	0.4	LINA E	· · · · · · · · · · · · · · · · · · ·
Transport of hazardous material	\$	1 204 572	\$ 1,571,626.55	\$ 23,492.95	Pay App 11	3,4	HM Environmental	
Disposal of hazardous material	ъ	1,324,573						
Disposal of contaminated soils								5,154.65 tons transport and disposal at \$31.50/ton
Transport of soil to a Type II Landfill	\$	247,715	\$ 162,371.48	\$ 85,343.53	Pay App 11	5	HM Environmental	
Disposal of soil to a Type II Landfill	·		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,				
Excavation Equipment Decon and Decon Wastewater Handling	\$	7,500	\$ 15,800.00	\$ (8,300.00)	Pay App 11	2,6	HM Environmental	Visqueen truck liners
Additional delienation and sampling of Tetrachloroethylene soil concentrations	\$	21,945	\$ 5,690.00	\$ 16,255.00	77059	-	PM Environmental	Delineation prior to excavation
Associated excavation oversight, excavation verification sampling, and reporting			\$ 11,595.61		84128	-	PM Environmental	11/30/17 Oversight covering 10/1/17 to 11/17/17
			\$ 27,064.95		84715	-	PM Environmental	01/19/18 Oversight covering 10/01/17 to 11/17/17
	\$	28,475	\$ 28,402.73	\$ (60,324.74)	85166	-	PM Environmental	03/08/18 Oversight covering 01/02/18 to 03/02/18
			\$ 14,613.33	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	85575	-	PM Environmental	04/06/18 Oversight covering 03/02/18 to 3/30/2018
			\$ 2,173.12 \$ 4,950.00		87608 88529	-	PM Environmental PM Environmental	10/04/18 Oversight Services 4/2018 to 9/28/18 Change order for testing
Management and disposal of up to 30,000 gallons of contaminated groundwater			\$ 4,950.00		00029	-	Pivi Environmentai	Change order for testing
Management and disposal of up to 30,000 gallons of contaminated groundwater			\$ 19,177.25		Pay App 11	12, 13,15,16	HM Environmental	Daily Pump Rental, Site Supervisor, Bulk Tanker, Disposal
			\$ 12,235.30		Pay App 24, CO-2	2	The Douglas Co.	Water discharge (sub contractor was Future Environmental)
	\$	49,260	\$ 2,500.00		88529	-	PM Environmental	Wastewater Dischage Permit
	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$ 1,250.00	,	94157	_	PM Environmental	Wastewater Required Reporting to EPA
			\$ 3,300.00		94762	-	PM Environmental	Hazardous Waste Testing and Report
Installation of a vapor barrier			, , , , , , , , , , , , , , , , , , ,					
			\$ 3,750.00		80629	-	PM Environmental	Vapor Barrier Plan/Specs
	\$	172,500	\$ 25,031.16	\$ 143,718.84	Pay App 24, CO-2	53	The Douglas Co.	Vapor barrier, venting install, and testing
	•	,	\$ -					
			\$ -			-		
Costs associated with project management brownfield financial management	\$	3,000	\$ 4,982.50	\$ (1,982.50)	95569	_	PM Environmental	Reimbursement Documentation and Reporting
Costs associated with project management brownfield financial management	Ψ	3,000	Ψ Ψ,502.50	ψ (1,302.30)	, 33303	<del>                                     </del>	. W Environmental	romburgoment bootmentation and reporting
Post-construction due care plan and associated management and reporting	\$	5,000	\$ -	\$ 5,000.00				
, , , , , , , , , , , , , , , , , , ,		-,,,,,,,,		,				
Due Care Activities Total	\$	2,130,515	\$ 1,916,513.97	\$ 214,000.53				
Preparation of Brownfield Plan						-		
Brownfield Plan/381 Workplan	\$	9,000	\$ 10,000.00	\$ (1,000.00)	78957		PM Environmental	
Project Sub-Total		\$2,153,670	\$ 1,940,528.97	\$ 213,000.53				
15% Contingency*	\$	319,577	\$ -					•
Project Sub-Totals with Contingency		\$2,473,247	\$ -	1				
•		, , ,		1				
Project Not to Exceed set by City	s	2,148,247	\$ 1,940,528.97					
	ð	2,140,247	φ 1,340,526.97					

508,364

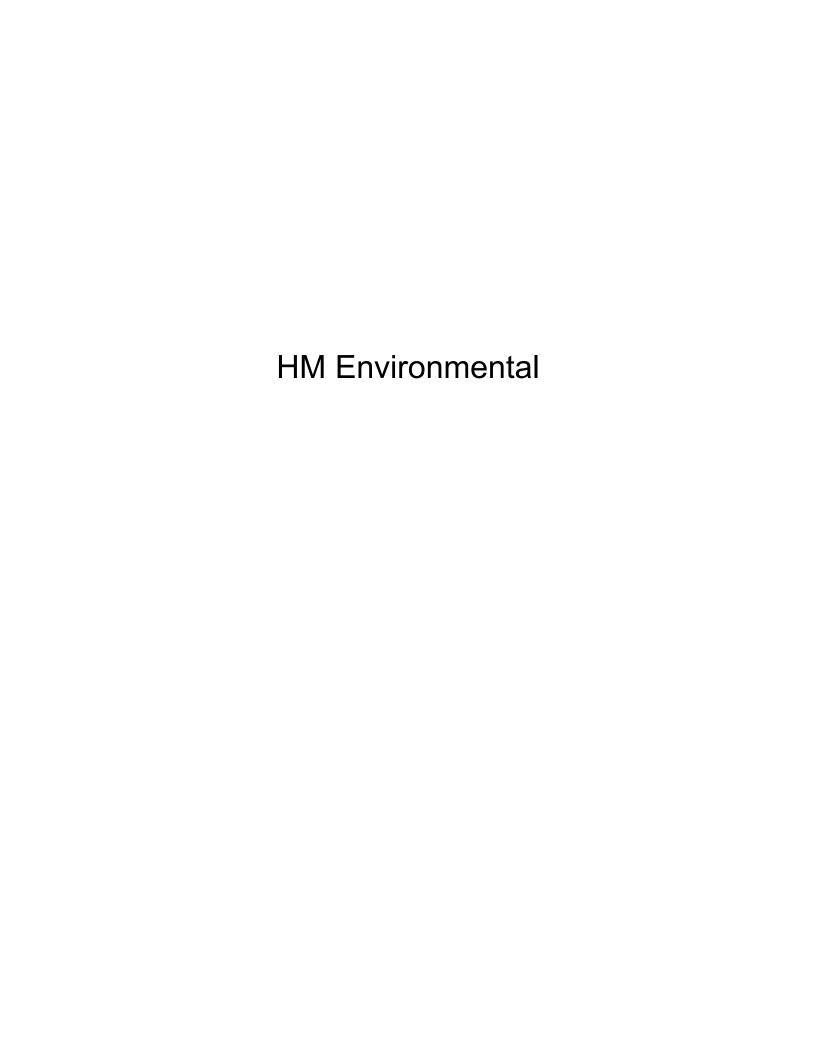
2,656,610.68 \$

3% Interest Not to Exceed

Revised Total

# Appendix C





APPLICATION AND CERTIFICATION FOR PAYMENT  ALA DOCUMENT G702  PAGE ONE OF TWO PAGES	PROJECT: 865 North Old Woodward APPLICATION NO: 11 Distribution to:	Contractor   Con	t 77018 Hazardous Material CONTRACT DATE:	Application is made for payment, as shown below, in connection with the Contract.  Continuation Sheet, AIA Document G703, is attached.  The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.	Line 1 ± 2)  S  1,951,433.74  S  Line 1 ± 2)  S  1,951,433.74  CON  S  1,951,433.74  By:	Work \$ 0.00 rial \$ n/a + 5b or	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	NISH, INCLUDING  (e. 3 less 6)  RDER SUMMARY ADDITIONS DEDUCTIONS (Attach explanation if amount certified differs from the amount certified.)  (Attach explanation if amount certified differs from the amount certified.)  (Attach explanation on the Continuation Sheet that are changed to conform with the amount certified.)  ARCHITECT:	S Month  This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the	tinding of the angle of the ang
APPLICATION AND CER	TO:	FLS Properties #5 LLC PO Box 689 Bloomfield Hills, MI 48303 FROM CONTRACTOR: HM Environmental Services, Inc.	42826 North Walnut Mount Clemens, MI 48043	CONTRACTOR'S APPLICATIC Application is made for payment, as shown below, in c Continuation Sheet, AIA Document G703, is attached.		5. KETALINAGE:  a. 0 % of Completed Work  (Column D + E on G703)  b. % of Stored Material  (Column F on G703)  Total Retainage (Lines 5a + 5b or	6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) 8. CURRENT PAYMENT DUE	9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less 6) CHANGE ORDER SUMMARY Total changes approved in previous months by Owner	Total approved this Month	CIVIDI

AIA DOCUMENT G702 - APPLICATION AND CERTIFICATION FOR PAYMENT - 1992 EDITION - AIA - ©1992

THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, DC 20006-5292

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# **CONTINUATION SHEET**

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

FROM CONTRACTOR:
HM Environmental Services, Inc.
42826 North Walnut
Mount Clemens, MI 48043

11 4/6/2018 4/6/2018 **N/**A APPLICATION NO: APPLICATION DATE: PERIOD TO: ARCHITECT'S PROJECT NO:

⋖				H	Ħ	9		Н	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREVIOUS THIS P	(PLETED THIS PERIOD	MATERIALS PRESENTLY	TOTAL COMPLETED	(C ÷ C)	BALANCE TO FINISH	RETAINAGE (IF VARIABLE
			APPLICATION		STORED	AND STORED		(C - G)	RATE)
			(D + E)		DORE)	(D+E+F)			
_	Stone (1X3 Crushed Concrete)	\$2,058.62	\$2,058.62	\$0.00	N/A	\$2,058.62		\$0.00	\$0.00
7	Visqueen - 10 Mill	\$240.00	\$240.00	\$0.00	N/A	\$240.00		00.0\$	\$0.00
3	Exc., Trans. & Disposal Hazardous Soil	\$1,622,080.07	\$1,622,080.07	\$0.00	N/A	\$1,622,080.07		\$0.00	\$0.00
4	Demurrage On Hazardous Soil	\$4,857.50	\$4,857.50	\$0.00	N/A	\$4,857.50		00'0\$	\$0.00
S	Exc., Trans. & Disposal Non- Haz Soil	\$188,144.74	\$178,702.55	\$9,442.19	N/A	\$188,144.74		\$0.00	\$0.00
9	Truck Liners	\$15,560.00	\$15,560.00	\$0.00	N/A	\$15,560.00		\$0.00	\$0.00
٢	Credit Due from Prev Invoice	(\$4,955.79)	(\$4,955.79)	\$0.00	N/A	(\$4,955.79)		00'0\$	\$0.00
∞	Addl Work - N/E & S/W Wall Extensions	\$80,000.00	\$50,000.00	\$30,000.00	N/A	\$80,000.00		00'0\$	\$0.00
6	Stand By Rate - Weather Related	\$4,500.00	\$4,500.00	\$0.00	N/A	\$4,500.00		00.0\$	\$0.00
10	Delivery and Placement of Stone for Well	\$1,650.00	\$1,650.00	\$0.00	N/A	\$1,650.00		\$0.00	\$0.00
Ε	Excavation and Placement of Well	\$1,425.00	\$1,425.00	\$0.00	N/A	\$1,425.00		\$0.00	\$0.00
12	Daily Pump Rental	\$900.00	\$900.00	\$0.00	N/A	\$900.00		\$0.00	\$0.00
13	Site Supervisor - Load Trucks w/Water	\$1,500.00	\$1,500.00	\$0.00	N/A	\$1,500.00		\$0.00	\$0.00
14	Additional Flagger for Truck Traffic	\$1,000.00	\$1,000.00	\$0.00	N/A	\$1,000.00		\$0.00	\$0.00
15	Bulk Tanker w/Operator - Trans Water	\$3,850.00	\$3,850.00	\$0.00	N/A	\$3,850.00		\$0.00	\$0.00
16	Diposal of Groundwater to DART	\$12,927.25	\$12,927.25	\$0.00	N/A	\$12,927.25		\$0.00	\$0.00
17	Stone 21AA Crushed Concrete	\$15,584.35	\$11,122.88	\$4,461.47	N/A	\$15,584.35		\$0.00	\$0.00
18	(2) 55 Gallon Drums	\$112.00	\$112.00	\$0.00	N/A	\$112.00		\$0.00	\$0.00
					N/A	\$0.00		\$0.00	\$0.00
					N/A	\$0.00		\$0.00	\$0.00
					N/A	\$0.00		\$0.00	\$0.00
	GRAND TOTALS	\$1,951,433.74	\$1,907,530.08	\$43,903.66	00.0\$	\$1,951,433.74		\$0.00	\$0.00

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# H M Environmental Services, Inc. Transaction Journal All Transactions

Date Num	Мето	Qty Sales Price		Amount
11/17/2017 23684	11/17/2017 23684 Progress Billing 10/31/17 Through 11/16/17			
	Operator & Laborer to balance the site for work to be performed by Hardman Construction	1 \$ 20,000.00	s	20,000.00
	Visqueen Rolls (3 mill)	20 \$ 75.00	s	1,500.00
	Stone - 1X3 Crushed Concrete	80.93 \$ 25.95	s	2,100.13
	Stone - 21AA Crushed Concrete	54.56 \$ 23.15	s	1,263.06
	Construction	1 \$ 61,127.31	\$	61,127.31
Total	FLS - 865 North Old Woodward through $11/16/17$		s	85,990.50
11/22/2017 23707	Progress Billing 11/17/17 Through 11/27/17			
	11/27/17 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	625 \$ 160.75	s	100,468.75
Total	FLS - 865 North Old Woodward through $11/27/17$		s	100,468.75
12/11/2017 23764	Progress Billing 11/28/17 Through 12/08/17			
	11/28 Through 12/08 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	1618.88 \$ 160.75	s	260,234.96
	11/28 Through 12/08 Excavate, Transport and Disposal of Non Haz Soils to Advanced Disposal	1200.04 \$ 36.50	s	43,801.46
	Visqueen (1) Roll (10 mill)	1 \$ 240.00	s	240.00
	Stone - 1X3 Crushed Concrete	24.7 \$ 25.95	s	640.97
Total	FLS - 865 North Old Woodward through 12/08/17		s	304,917.39
01/08/2018 23877	Progress Billing 12/09/17 Through 12/29/17			
	12/09 Through 12/29 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	2734.06 \$ 160.75	s	439,500.15
	Demurrage at Wayne Disposal 11/29/17 Through 12/08/17 (Not Previously Billed)	5.25 \$ 95.00	s	498.75
	Demurrage at Wayne Disposal 12/08/17 Through 12/29/17	43 \$ 95.00	s	4,085.00
	12/09 Through 12/29 Excavate, Transport and Disposal of Non Haz Soils to Advanced Disposal	3212.42 \$ 36.50	s	117,253.33
	Stone - 1X3 Crushed Concrete	54,63 \$ 25.95	s	1,417.65
	Truck Liners - Hazardous Loads Only			7,920.00
	Credit due from Previous Inv. (1.5 Discount for Early Payment on Inv. # 23764)	1 \$ (4,955.79)	\$ (	(4,955.79)
Total	FLS - 865 North Old Woodward through 12/29/17		\$	565,719.09
02/02/2018 24010	Progress Billing 12/30/17 Through 02/02/18			
	01/02/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal 01./03/18 Through 01/29/18 Additional Work with Hardman Construction not in the Original	143.09 \$ 160.75	<b>s</b>	23,001.72
	Scope - Northeast & Southwest Wall Extensions	18.00 \$ 2,500.00	s	45,000.00
	01/30/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	288.26 160.75	\$ 9	46,337.80
	01/31/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	302.75 \$ 160.75	s,	48,667.06
	02/01/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	325.21 \$ 160.75	s	52,277.51
	02/02/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$		54,671.08
	Truck Liners - Hazardous Loads Only	56.00 \$ 40.00	s	2,240.00
Total	FLS - 865 North Old Woodward through $02/02/18$		s	272,195.17

# H M Environmental Services, Inc. Transaction Journal

Date	Num Memo	Oth 8	Sales Price	Amount
2/9/2018	24049 Progress Billing 02/03/18 Through 02/09/18	30	1	
	Octobra Control of the control of th		C1.001	02.116,62
	oz/ 06/ 18 Excavate, Iransport and Disposal of Hazardous Soil to Wayne Disposal	157.94 \$	\$ 67.091	25,388.86
	02/07/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	\$ 100.97	160.75 \$	16,230.93
	02/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	126.36 \$	160.75 \$	20,312.37
	Truck Liners - Hazardous Loads Only	22.00 \$	40.00 \$	880.00
Total	FLS - 865 North Old Woodward through 02/09/18		s	88,789.36
2/20/2018	24079 Progress Billing 02/10/18 Through 02/16/18			
	02/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	163.95 \$	160.75 \$	26,354.96
	02/13/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	189.14 \$	160.75 \$	30,404.26
	02/14/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	238.47 \$	160.75 \$	38,334.05
	Demurrage at Disposal - Truck # 109 (3rd Load)	0.25 \$	\$ 00.36	23.75
	02/15/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	170.16 \$	160.75 \$	27,353.22
	02/16/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	219.04 \$	160.75 \$	35,210.68
	Truck Liners - Hazardous Loads Only	37.00 \$	40.00	1,480.00
Total	FLS - 865 North Old Woodward through 02/16/18		S	159,160.92
2/26/2018	24102 Progress Billing 02/17/18 Through 02/23/18			
	02/19/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	224.77 \$	160.75 \$	36,131.78
	02/20/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	85.82 \$	160.75 \$	13,795.57
	02/20/18 Stand By Rate 1/2 Day (Weather Related)	0.50 \$	1,000.00	200.00
	02/21/18 Stand By Rate (Weather Related)	1.00 \$	1,000.00	1,000.00
	02/22/18 Stand By Rate (Weather Related)	1.00 \$	1,000.00	1,000.00
	02/23/18 Stand By Rate (Weather Related)	1.00 \$	1,000.00	1,000.00
	Truck Liners - Hazardous Loads Only	11.00 \$	40.00	440.00
Total	FLS - 865 North Old Woodward through 02/23/18		w	53,867.35

# H M Environmental Services, Inc. Transaction Journal

Date	Num Memo	ğ	Sales Price	Amount
3/5/2018	24146 Progress Billing 02/24/18 Through 03/03/18 (Dewatering of Excavation)			
	02/26/18 Supervisor met with PM to discuss Water Removal - NO CHARGE	S	ss ,	•
	02/27/18 Delivery and Placment of Stone for Well and Pad	1.00 \$	1,650.00 \$	1,650.00
	Excavation and Placement of Well	1.00 \$	1,425.00 \$	1,425.00
	02/28/18 Site Supervisor - Load Trucks with Groundwater	1.00 \$	750.00 \$	750.00
	Additional Flagger for Truck Traffic	1.00 \$	\$ 00.005	200.00
	Daily Pump Rental	1.00 \$	450.00 \$	450.00
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal Disposal of Non Regulated Ground Water to DART - Manifest #'s 01858769011K, 01858769311K &	11.5 \$	140.00 \$	1,610.00
	018587691JJK	20750 \$	0.35 \$	7.262.50
	03/01/18 Supervisor Checking Excavation On Site - NO CHARGE			
	03/02/18 Site Supevisor - Load Trucks with Groundwater	1 \$	750.00 \$	750.00
	Additional Flagger for Truck Traffic	1 \$	\$ 00.005	200.00
	Daily Pump Rental	1 \$	450.00 \$	450.00
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.5 \$	140.00 \$	770.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587692JJK	\$ 0002	0.35 \$	2,450.00
Total	FLS - 865 North Old Woodward through 03/03/18		φ.	18,567.50
3/13/2018	24184 Progress Billing 03/04/18 Through 03/13/18			
	03/05/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	210.11 \$	160.75 \$	33,775.18
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.00 \$	140.00 \$	700.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587704 JJK	4585.00 \$	0.35 \$	1,604.75
	03/06/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	206.95 \$	160.75 \$	33,267.21
	03/07/18 Stand By Rate (Meeting with Hardman to discuss finishing Harz. Soil Removal)	1.00 \$	1,000.00	1,000.00
	03/08/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	428.91 \$	160.75 \$	68,947.28
	03/09/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	178.46 \$	160.75 \$	28,687.45
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	204.75 \$	160.75 \$	32,913.56
	Demurrage On Site - Truck # 129	0.5 \$	100.00	20.00
	Demurrage at Disposal - Truck # 129	0.5 \$	100.00	20.00
	Demurrage at Disposal - Truck # 109	1.\$	100.00	100.00
	Bulk Tanker w/Operator - Tranpsort Groundwater to Disposal	5.5 \$	140.00 \$	770.00
	Disposal of Non Regulated Ground Water to DART - Manifest # 018587705 JJK	4600 \$	0.35 \$	1,610.00
	03/12/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	240.36 \$	160.75 \$	38,637.87
	03/13/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	85.5 \$	160.75 \$	13,744.13
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	154.35 \$	36.50 \$	5,633.78
	Truck Liners - Hazardous Loads Only	54 \$	40.00 \$	2,160.00
Total	FLS - 865 North Old Woodward through 03/03/18		s	263,651,21

# H M Environmental Services, Inc. Transaction Journal All Transactions

Date	Num	Qty	Sales Price	Amount
3/21/2018	8 24222 Progress Billing 03/14/18 Through 03/20/18			
	03/14/18 Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	160.45	\$ 36.50 \$	5,856.43
	03/15/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	115.30	\$ 160.75 \$	18,534.48
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	113.08	\$ 36.50 \$	4,127.42
	03/16/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	118.56	\$ 160.75 \$	19,058.52
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	55.62	\$ 36.50 \$	2,030,13
	03/19/18 Stockpile and Load out Soil on West Wall for Hardman	Ħ	\$ 2,500.00 \$	2,500.00
	(2) 55 Gallons Drums - Protect two Pyle Caps	2	\$ 56.00 \$	112.00
	Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal	26.5	\$ 160.75 \$	4,259.88
	Backfill - 21AA Crushed Concrete (8 Loads)	225.4	\$ 23.15 \$	5,218.01
	US/ ZU/ 18 EXCAVATER (Z) HOIES TO EleVATION AND MOVED SOII from Southeast Corner to Northeast Corner of Ich Site ner Hardman		i d	
	Comment Transport and Dispusal of Descendant Call to Warma Dispusal		2,500.00	2,500.00
	Excavate, mansportain Disposal of nazaruous soil to wayne Disposal		160.75	9,601.60
	Delinitage at Disposal - Truck # 124		100.00	25.00
	Demurrage at Disposal - Truck # 127		100.00	25.00
	Backfill - 21AA Crushed Concrete (8 Loads)	255.07	23.15	5,904.87
	Truck Liners - Hazardous Loads Only	1	\$ 40.00 \$	440.00
Totaí	FLS - 865 North Old Woodward through $03/20/18$		s	80,193.34
4/6/2018	8 24261 Progress Billing 03/21/18 Through 04/06/18			
	03/21/18 Excavate Hole to Elevation and move Stockpile from South East Corner for Hardman	2500.00	\$ 1.00 \$	2,500.00
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal	116.07	\$ 36.50 \$	4,236.56
	Backfill - 21AA Crushed Concrete (6 Loads)	192.72	\$ 23.15 \$	4,461.47
	US/ ZZ/ IS Stockpile Soil out of nardman's way, Excavate noie for Mie Caps & Clean up Soil Mies from Drilling	2500.00	100 \$	2 500 00
	09/29/40 Chalania Cali for Dadman B. Plans in Cali Dilas form Delling		6 6	00:001.0
	US/ ZS/ IS Stockpile Soil for naturitian & Clean up soil Files from Drilling		T.00	2,500.00
	Excavate, Iransport and Disposal of Non Razardous soll to Advanced Disposal		36.50	3,167.47
	U3/26/18 Stockpile for Ramp, Re-grade NorthEast Side of Excavation		1.00	2,500.00
	Excavate, Transport and Disposal of Non Hazardous Soil to Advanced Disposal		36.50	2,038.16
	03/27/18 Through 03/29/18 Assist Hardman Onsite	2500.00	\$ 3.00 \$	7,500.00
	03/30/18 Assist Hardman Onsite	2500.00	\$ 05.0 \$	1,250.00
	03/31/18 Through 04/05/18 Assist Hardman Onsite	2500.00	\$ 4.00 \$	10,000.00
	04/06/18 Finish Onsite Work and Load Equipment	2500	\$ 0.50 \$	1,250.00
Total	FLS - 865 North Old Woodward through 04/06/18		w	43,903.66
	TOTAL ALL INVOICES THROUGH 04/06/18		s)	2,037,424.24
	LESS PAYMENTS RECEIVED		\$	(1,057,095.73)
	OUTSTANDING BALANCE		S	980,328.51

# FLS Properties The Pearl Bldg

				T	Wayne	Advanced	1	
Number			Michigan	State	Disposal	Disposal	DART	
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
Louds	11/8/2017	906629	26.65	2100	30.1		Or odinawa ioi	Lou's Transport
		906630	27.27				-	Lou's Transport
	11/8/2017 11/13/2017	902921	27.27	27.52				Lou's Transport
	11/13/2017	902921		27.04			-	Lou's Transport
-		902919	27.01	27.04				Lou's Transport
	11/13/2017		27.01		23,46			5 & C Transport
1	11/29/2017	017834958 JJK					<del> </del>	5 & C Transport
2	11/29/2017	017834951 JJK			24.80 26.72	 		
3	11/29/2017	017834956 JJK						S&C Transport
4	11/29/2017	017834972 JJK			22.46			5 & C Transport
5	11/29/2017	017834957 JJK			22.75	-		S & C Transport
6	11/29/2017	017834973 JJK			24.18			S & C Transport
7	11/29/2017	017834955 JJK			25,34			S&C Transport
8	11/29/2017	017834954 JJK			24.96			S & C Transport
	11/30/2017	288569	24.70					Lou's Transport
9	11/30/2017	017834953JJK			23.77			MLO Performance
10	11/30/2017	017834966JJK			25.17			MLO Performance
11	11/30/2017	017834971JJK			23.07			MLO Performance
12	11/30/2017	017834952JJK			24.49			MLO Performance
13	11/30/2017	017834967JJK			23.99			MLO Performance
14	11/30/2017	017834970JJK			24.48			MLO Performance
15	11/30/2017	017834961JJK			23.86			MLO Performance
16	11/30/2017	017834968JJK			25.56			MLO Performance
17	11/30/2017	017834964JJK			24.98			MLO Performance
18	11/30/2017	017834962JJK			23.32			MLO Performance
19	11/30/2017	017834969JJK			23.77			MLO Performance
20	12/1/2017	017834963JJK			24.84		****	MLO Performance
21	12/1/2017	017834979JJK			19.35			MLO Performance
22	12/1/2017	017834982JJK			22.32			MLO Performance
23	12/1/2017	017834965JJK			25.27			MLO Performance
24	12/1/2017	017834978JJK			26,90			MLO Performance
25	12/1/2017	017834981JJK	-		24.89			MLO Performance
26	12/1/2017	017834977JJK			26.22			MLO Performance
27	12/1/2017	017834980JJK	-		22.28			MLO Performance
28	12/1/2017	017834983JJK			27.49			MLO Performance
29	12/4/2017	017828060JJK	<del>                                     </del>	-	26.51			MLO Performance
30	12/4/2017	01782606633K	<b></b>	-	25.33	<del>-</del>		MLO Performance
31	12/4/2017	017834997JJK	<del>                                     </del>		25.13		1	MLO Performance
32	12/4/2017	017834984JJK	<u> </u>		26.54		-	MLO Performance
33	12/4/2017	017834985JJK		-	28.41			MLO Performance
	1					-		MLO Performance
34	12/4/2017	017828062JJK			26.88			MLO Perfo

				I	Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
			_	_	Hazardous	Non-Haz	Disposal	
of Haz.	<b>.</b> .	44 16 1/7 14 44	Concrete	Crushing	l '	Soil	Groundwater	Deiten
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	5011	Groundwater	Driver MLO Performance
35	12/4/2017	017828061JJK			27.67			
36	12/4/2017	017834999JJK			26,83			MLO Performance
37	12/4/2017	017834995JJK			25,32			MLO Performance
38	12/4/2017	017835000JJK			25.59			MLO Performance
39	12/4/2017	017834996JJK			27.55			MLO Performance
40	12/4/2017	017828063JJK			26.88	22.52		MLO Performance
	12/5/2017	1851724				29.53	ļ	Lou's Transport
	12/5/2017	1851738				27.43		Lou's Transport
	12/5/2017	1851817				27.76		Lou's Transport
	12/5/2017	1851878				28.49		Lou's Transport
	12/5/2017	1851918				26.57		Lou's Transport
	12/5/2017	1851982				26.12	ļ	Lou's Transport
	12/5/2017	1852026				26.03		Lou's Transport
	12/5/2017	1852117				27.84		Lou's Transport
	12/5/2017	1852177				29.03		Lou's Transport
41	12/5/2017	017834913JJK			26.23			MLO Performance
42	12/5/2017	017828070JJK			24.76		-	MLO Performance
43	12/5/2017	017828065JJK			27.12			MLO Performance
44	12/5/2017	017828069JJK			24.80			MLO Performance
45	12/5/2017	017828064JJK			24.84			MLO Performance
46	12/5/2017	017834912JJK			26.37			MLO Performance
47	12/5/2017	017828071JJK			27.54		<u> </u>	MLO Performance
48	12/5/2017	017834911JJK			27.32			MLO Performance
49	12/5/2017	017828068JJK			26.93			MLO Performance
50	12/5/2017	017828067JJK			23.94			MLO Performance
51	12/5/2017	017834915JJK			25.78			MLO Performance
52	12/5/2017	017834909JJK			28.25			MLO Performance
53	12/5/2017	017828066JJK			30.71			MLO Performance
54	12/5/2017	017834914JJK			33.82			MLO Performance
	12/6/2017	1852303				28.11		Lou's Transport
	12/6/2017	1852323				26.17		Lou's Transport
	12/6/2017	1852375				31.96		Lou's Transport
	12/6/2017	1852446				29.15		Lou's Transport
	12/6/2017	1852543				27.44		Lou's Transport
	12/6/2017	1852565				33.42		Lou's Transport
	12/6/2017	1852655				29.18		Lou's Transport
	12/6/2017	1852701				26.35		Lou's Transport
	12/6/2017	1852704				24.57		Lou's Transport
55	12/6/2017	017834910JJK			24.12			MLO Performance
56	12/6/2017	017828080JJK			24.55			MLO Performance
57	12/6/2017	017828083JJK			24.77			MLO Performance
58	12/6/2017	017828077JJK			25.80			MLO Performance
59	12/6/2017	017828081JJK			25.51			MLO Performance
60	12/6/2017	017828085JJK			25.66			MLO Performance

				T	Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
of Haz.		   Manifest/Ticket #	1 x 3 CC	21AA	Soil	Soil	Groundwater	Driver
Loads	Date		1 X 3 CC	ZIAA	25.24	3011	Broundwater	MLO Performance
61	12/6/2017	017828082JJK						MLO Performance
62	12/6/2017	017828078JJK			26.84	1	-	MLO Performance
63	12/6/2017	017828086JJK			28.26			MLO Performance
64	12/6/2017	017828084JJK			26.22		-	MLO Performance
65	12/6/2017	017828079JJK			26.11	29.69	ļ <u> </u>	Lou's Transport
	12/7/2017	1852868					-	Lou's Transport
	12/7/2017	1852918				25.55 26.78	<u> </u>	Lou's Transport
	12/7/2017	1852936				28.29	<u> </u>	Lou's Transport
	12/7/2017	1852949				31.75	ļ	Lou's Transport
	12/7/2017	1853026			-			Lou's Transport
	12/7/2017	1853113				35.80	<del>                                     </del>	Lou's Transport
	12/7/2017	1853124		<u> </u>		30.18	<u> </u>	
	12/7/2017	1853165				28.30	<u> </u>	Lou's Transport
	12/7/2017	1853170				27.96		Lou's Transport
	12/7/2017	1853281				27.81		Lou's Transport
	12/7/2017	1853285				23.11		Lou's Transport
	12/7/2017	1853295				25.65		Lou's Transport
66	12/7/2017	017828089JJK			25.52			MLO Performance
67	12/7/2017	017828093JJK			25.43			MLO Performance
68	12/7/2017	017828105JJK			25.84		ļ <u> </u>	MLO Performance
69	12/7/2017	017828088JJK			24.42			MLO Performance
70	12/7/2017	017828092JJK			25.38			MLO Performance
71	12/7/2017	017828096JJK			25.16			MLO Performance
72	12/7/2017	017828106JJK			26,43	ļ		MLO Performance
73	12/7/2017	017828094JJK			26.70			MLO Performance
74	12/7/2017	017828090JJK			26.45			MLO Performance
75	12/7/2017	017828087JJK			26.58			MLO Performance
76	12/7/2017	017828091JJK			25,21			MLO Performance
77	12/7/2017	017828095JJK			27.13			MLO Performance
	12/8/2017	1853453				24.70		Lou's Transport
	12/8/2017	1853478				32.70		Lou's Transport
	12/8/2017	1853488				24.79		Lou's Transport
	12/8/2017	1853583				26.25		Lou's Transport
	12/8/2017	1853616	<u> </u>			33.28		Lou's Transport
	12/8/2017	1853655				28,59		Lou's Transport
	12/8/2017	1853657				30.64		Lou's Transport
	12/8/2017	1853709				26.52		Lou's Transport
	12/8/2017	1853769				32.27		Lou's Transport
	12/8/2017	1853784				34.97		Lou's Transport
	12/8/2017	1853810				28.97		Lou's Transport
	12/8/2017	1853820				30.34		Lou's Transport
78	12/8/2017	017828109JJK			23.87			MLO Performance
79	12/8/2017	017828103JJK			25.65	ļ		MLO Performance
80	12/8/2017	017828099JJK			23.85	İ		MLO Performance

	T			<u> </u>	Wayne	Advanced	<u> </u>	
			Michigan	State	Disposal	Disposal	DART	
			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
	N-4-	44: 6 / Ti -la-4. #	1 x 3 CC	21AA	Soil	Soil	Groundwater	Driver
01	Date	Manifest/Ticket #	1 X 3 CC	ZIAA	25.50	3011	Groundwater	MLO Performance
81	12/8/2017	017828101JJK			25.81			MLO Performance
82	12/8/2017	017828107JJK			25.81		<u> </u>	MLO Performance
83	12/8/2017	017828111JJK			23.44			MLO Performance
84	12/8/2017	017828104JJK			23.44		-	MLO Performance
85	12/8/2017	017828100JJK			27.35			MLO Performance
86	12/8/2017	017828110JJK			22,10		1	MLO Performance
87	12/8/2017	017828102JJK			26.35			MLO Performance
88	12/8/2017	017828108JJK			25.64			MLO Performance
89	12/11/2017	017828112JJK			26.65			MLO Performance
90	12/11/2017	017828118JJK 017828113JJK			25.28			MLO Performance
91 92	12/11/2017	017828117JJK			28.25			MLO Performance
	12/11/2017	017828056JJK			28.94		-	MLO Performance
93 94	12/11/2017	017828116JJK			25.39			MLO Performance
95	12/11/2017	017828057JJK			26,59		<del>                                     </del>	MLO Performance
96	12/11/2017	017828057JK			26.23			MLO Performance
96	12/11/2017	1853994			20.23	27.00		Lou's Transport
	12/11/2017	1854006				26.83		Lou's Transport
	12/11/2017	1854017				34.94		Lou's Transport
	12/11/2017	1854064	_			26.13	<u> </u>	Lou's Transport
	12/11/2017	1854154				28.27		Lou's Transport
	12/11/2017	1854145			-	29.21	<u> </u>	Lou's Transport
	12/11/2017	1854189				37.92		Lou's Transport
-	12/11/2017	1854218			<u></u>	30.99	-	Lou's Transport
	12/11/2017	1854266				27.39		Lou's Transport
	12/11/2017	1854283				35.99	1	Lou's Transport
97	12/12/2017	017828114JJK			25.84	00.55		MLO Performance
98	12/12/2017	017834990JJK			25.48		1	MLO Performance
99	12/12/2017	017828055JJK			27.18			MLO Performance
100	12/12/2017	017834991JJK			26.56			MLO Performance
101	12/12/2017	017834986JJK			25.21	_		MLO Performance
102	12/12/2017	017834992JJK			24.79			MLO Performance
103	12/12/2017	017834989JJK			24.57			MLO Performance
104	12/12/2017	017834993JJK			25.56			MLO Performance
101	12/12/2017	1854364				29.95		Lou's Transport
	12/12/2017	1854525				30.01		Lou's Transport
	12/12/2017	1854557		<u> </u>		30.17		Lou's Transport
	12/12/2017	1854546				28.81		Lou's Transport
	12/13/2017	1854785		-	<del></del>	25.42	1	Lou's Transport
	12/13/2017	1854854				33.98		Lou's Transport
	12/13/2017	1854796				32,32		Lou's Transport
	12/13/2017	859574	26.55					Lou's Transport
105	12/13/2017	017828119JJK			25,49			MLO Performance
106	12/13/2017	017828129JJK			21.49			MLO Performance

·					Wayne	Advanced	T	
Number			Michigan	State	Disposal	Disposal	DART	
			Concrete		Hazardous	Non-Haz	Disposal	
of Haz.		44		Crushing	Soil	Soil	Groundwater	Duringan
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>		5011	Groundwater	Driver MLO Performance
107	12/13/2017	017834994JJK			23.21			
108	12/13/2017	017928130JJK			22.01			MLO Performance
109	12/14/2017	017828143JJK			24.44			MLO Performance
110	12/14/2017	017828140JJK			23.95			MLO Performance
111	12/14/2017	017882131JJK			24.14			MLO Performance
112	12/14/2017	017828141JJK			24.16			MLO Performance
113	12/14/2017	017828144JJK			26.10			MLO Performance
114	12/14/2017	017828132JJK			23.39			MLO Performance
115	12/14/2017	017828142JJK			24.75		ļ	MLO Performance
116	12/14/2017	017828133JJK			25.17	22.25		MLO Performance
	12/15/2017	1855339				29.85		Lou's Transport
	12/15/2017	1855497				29.67	<u> </u>	Lou's Transport
	12/15/2017	1855623				24.94	ļ	Lou's Transport
	12/15/2017	1855391				26.95		Lou's Transport
	12/15/2017	1855301				27.96	ļ	Lou's Transport
	12/15/2017	1855469				33.01		Lou's Transport
	12/15/2017	1855601				27.21		Lou's Transport
	12/15/2017	1855297				28.78		Lou's Transport
	12/15/2017	1855328				27.22		Lou's Transport
	12/15/2017	1855431				25.96		Lou's Transport
	12/15/2017	1855544				27.23		Lou's Transport
117	12/15/2017	017828146JJK			19.60			MLO Performance
118	12/15/2017	017828150JJK			23.77			MLO Performance
119	12/15/2017	017828145JJK			26.06			MLO Performance
120	12/15/2017	017828149JJK			26.74			MLO Performance
121	12/15/2017	017828147JJK			23.07			MLO Performance
122	12/15/2017	017828151JJK			22.26			MLO Performance
123	12/15/2017	017828152JJK			25.83			MLO Performance
124	12/15/2017	017828148JJK			24.20			MLO Performance
125	12/18/2017	017828155JJK			23.07			MLO Performance
126	12/18/2017	017828158JJK			26.60			MLO Performance
127	12/18/2017	017828162JJK			25.91			MLO Performance
128	12/18/2017	017828153JJK			24.69			MLO Performance
129	12/18/2017	017828157JJK			25.40			MLO Performance
130	12/18/2017	017828161JJK			26.43			MLO Performance
131	12/18/2017	017828154JJK			21,13			MLO Performance
132	12/18/2017	017828159JJK			23.60			MLO Performance
133	12/18/2017	017828163JJK			24.47			MLO Performance
134	12/18/2017	017828156JJK			26.66			MLO Performance
135	12/18/2017	017828160JJK			27.30			MLO Performance
	12/18/2017	1855853				29.28		Lou's Transport
	12/18/2017	1855857				25.99		Lou's Transport
	12/18/2017	1855870				26.27		Lou's Transport
	12/18/2017	1855937				23.93		Lou's Transport

					Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
of Haz			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
Louds	12/18/2017	1855997	1 x 0 00		00	27,75	0.00	Lou's Transport
	12/18/2017	1856015				33.21		Lou's Transport
	12/18/2017	1856056				26.91		Lou's Transport
	12/18/2017	1856151				27.51	<del></del>	Lou's Transport
	12/18/2017	1856183		***		32,72		Lou's Transport
	12/18/2017	1856206		****		27.04		Lou's Transport
	12/19/2017	861141	28.08			27.01		Lou's Transport
		1856316	20.00			28.38	<del> </del>	Lou's Transport
	12/19/2017	1856346				28.25		Lou's Transport
	12/19/2017	1856361				30.44		Lou's Transport
	12/19/2017			• ••		32.6	1	Lou's Transport
	12/19/2017	1856401				27,41		Lou's Transport
	12/19/2017	1856443						Lou's Transport
	12/19/2017	1856503				25.97	<u> </u>	
	12/19/2017	1856505				31.05		Lou's Transport
	12/19/2017	1856525				31,00		Lou's Transport
	12/19/2017	1856572				27.04	<u> </u>	Lou's Transport
	12/19/2017	1856654				27.92	ļ	Lou's Transport
	12/19/2017	1856661				30.29	<u> </u>	Lou's Transport
136	12/19/2017	017828185JJK			27.15			MLO Performance
137	12/19/2017	017828178JJK			25.41			MLO Performance
138	12/19/2017	017828184JJK			24.96			MLO Performance
139	12/19/2017	017828186JJK			25.28			MLO Performance
140	12/19/2017	017828183JJK			25,25			MLO Performance
141	12/19/2017	017828181JJK			25.18			MLO Performance
142	12/19/2017	017828187JJK			28.21			MLO Performance
143	12/19/2017	017828182JJK			25.40			MLO Performance
144	12/19/2017	017828180JJK			23.61			MLO Performance
	12/20/2017	1856788				34.86		Lou's Transport
	12/20/2017	1856797			[	35.58		Lou's Transport
	12/20/2017	1856830				38.53		Lou's Transport
	12/20/2017	1856834				30.42		Lou's Transport
	12/20/2017	1856840				35.40		Lou's Transport
	12/20/2017	1856846				26.12		Lou's Transport
	12/20/2017	1856860				32.46		Lou's Transport
	12/20/2017	1856926				28.26		Lou's Transport
	12/20/2017	1856941				30.78		Lou's Transport
	12/20/2017	1856945				32.47		Lou's Transport
	12/20/2017	1856967				28.65		Lou's Transport
	12/20/2017	1856969				28.03		Lou's Transport
	12/20/2017	1856978				27.47		Lou's Transport
	12/20/2017	1856984				26.67		Lou's Transport

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Number			Michigan	State	Disposal	Disposal	DART	
of Haz			Concrete	Crushina	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	2144	Soil	Soil	Groundwater	Driver
	12/20/2017	1856986				25.68		Lou's Transport
	12/20/2017	1857006				25.10		Lou's Transport
	12/20/2017	1857038				28.40		Lou's Transport
	12/20/2017	1857048				29.37		Lou's Transport
	12/20/2017	1857061				31,44		Lou's Transport
	12/20/2017	1857071				30.97		Lou's Transport
	12/20/2017	1857073	-,			21.50		Lou's Transport
	12/20/2017	1857089				25.67		Lou's Transport
	12/20/2017	1857103				27.98		Lou's Transport
	12/20/2017	1857105				25.85		Lou's Transport
	12/20/2017	1857135				29.74		Lou's Transport
	12/21/2017	1857255				31.54		Lou's Transport
	12/21/2017	1857290				23.62		Lou's Transport
	12/21/2017	1857361				33.99		Lou's Transport
	12/21/2017	1857409				31.66		Lou's Transport
	12/21/2017	1857465				35.60		Lou's Transport
	12/21/2017	1857563				32.90		Lou's Transport
	12/22/2017	1857691				31,40		Lou's Transport
	12/22/2017	1857704				29.28		Lou's Transport
	12/22/2017	1857715				29.88		Lou's Transport
	12/22/2017	1857738				32.36		Lou's Transport
	12/22/2017	1857812				27.83		Lou's Transport
	12/22/2017	1857823				26.00		Lou's Transport
	12/22/2017	1857850				27.41		Lou's Transport
	12/22/2017	1857857				31,98		Lou's Transport
	12/22/2017	1857876				29.26		Lou's Transport
	12/22/2017	1857885				27.71		Lou's Transport
	12/22/2017	1857905				30.11		Lou's Transport
	12/22/2017	1857931				28.93		Lou's Transport
	12/22/2017	1857951				26.00		Lou's Transport
	12/22/2017	1857961				34.70		Lou's Transport
	12/22/2017	1858000				30.35		Lou's Transport
	12/22/2017	1858025				26.30		Lou's Transport
	12/26/2017	1858150				32.89		Lou's Transport
	12/26/2017	1858159				29.21		Lou's Transport
	12/26/2017	1858219				35.99		Lou's Transport
	12/26/2017	1858222				26.81		Lou's Transport
	12/26/2017	1858246				32,65		Lou's Transport
	12/26/2017	1858292				28.08		Lou's Transport

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Number			Michigan	State	Disposal	Disposal	DART	1
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	N-4-	Manifest/Ticket #	1 × 3 CC	21AA	Soil	Soil	Groundwater	Driver
Loads	<b>Date</b> 12/26/2017	1858307	1 x 3 CC	FIAM	3011	32.94	910didwarer	Lou's Transport
		1858331				30.39		Lou's Transport
	12/26/2017				07.51	30.39		
145	12/26/2017	017828305JJK			26.51			MLO Performance
146	12/26/2017	017828301JJK			25.44			MLO Performance
147	12/26/2017	017828298JJK			23.99			MLO Performance
148	12/26/2017	017828302JJK			26.85		-	MLO Performance
149	12/26/2017	017828299JJK			26.26			MLO Performance
150	12/26/2017	017828303JJK			29.38			MLO Performance
151	12/26/2017	017828297JJK			25.71			MLO Performance
152	12/26/2017	017828304JJK			26.24			MLO Performance
153	12/26/2017	017828300JJK			26.55			MLO Performance
154	12/26/2017	017828296JJK			25.55			MLO Performance
155	12/27/2017	017828179JJK			25.38		<u> </u>	MLO Performance
156	12/27/2017	017828284JJK			20.98		<u> </u>	MLO Performance
157	12/27/2017	017828288JJK			24.77			MLO Performance
158	12/27/2017	017828295JJK			23.72			MLO Performance
159	12/27/2017	017828285JJK			24.90			MLO Performance
160	12/27/2017	017828289JJK			23.99			MLO Performance
161	12/27/2017	017828294JJK			24.14			MLO Performance
162	12/27/2017	017828286JJK			27.87			MLO Performance
163	12/27/2017	017828291JJK			24.46			MLO Performance
164	12/27/2017	017828287JJK			25.07			MLO Performance
	12/27/2017	1858402	-			28.13		Lou's Transport
	12/27/2017	1858447				26.58		Lou's Transport
	12/27/2017	1858479				29.81		Lou's Transport
	12/27/2017	1858533				26.86		Lou's Transport
	12/27/2017	1858550				30.80		Lou's Transport
165	12/28/2017	017828290JJK			23.94			MLO Performance
166	12/28/2017	017828194JJK			23,56			MLO Performance
167	12/28/2017	017828198JJK			22.98			MLO Performance
168	12/28/2017	017828292JJK			24.74			MLO Performance
169	12/28/2017	017828195JJK			25,78			MLO Performance
170	12/28/2017	017828199JJK			24.64			MLO Performance
171	12/28/2017	017828293JJK			20.91			MLO Performance
172	12/28/2017	017828196JJK			22.38			MLO Performance
173	12/28/2017	017828200JJK			23.16			MLO Performance
174	12/28/2017	017828193JJK			20.04			MLO Performance
175	12/28/2017	017828197JJK			24.04			MLO Performance
176	12/28/2017	017828201JJK			25.71			MLO Performance
177	12/28/2017	017828203JJK			24.96			MLO Performance
178	12/28/2017	017828207JJK			24.47			MLO Performance
179	12/28/2017	017828202JJK			22.94			MLO Performance
180	12/28/2017	017828206JJK			22.62			MLO Performance
181	12/28/2017	017828349JJK			25.34			MLO Performance

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Number			Michigan	State	Disposal	Disposal	DART	
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
182	12/28/2017	017828204JJK			23.25			MLO Performance
183	12/28/2017	017828208JJK			25.09			MLO Performance
184	12/28/2017	017828348JJK			26.75			MLO Performance
185	12/28/2017	017828205JJK			24.85			MLO Performance
186	12/28/2017	017828350JJK			23.97			MLO Performance
187	12/28/2017	017828347JJK			26.12			MLO Performance
188	12/29/2017	017828203JJK			24.96			MLO Performance
189	12/29/2017	017828207JJK			24.47			MLO Performance
190	12/29/2017	017828202JJK			22.94			MLO Performance
191	12/29/2017	017828206JJK			22.62			MLO Performance
192	12/29/2017	017828349JJK			25.34			MLO Performance
193	12/29/2017	017828204JJK			23.25			MLO Performance
194	12/29/2017	017828208JJK			25.09			MLO Performance
195	12/29/2017	017828348JJK			26,75			MLO Performance
196	12/29/2017	017828205JJK			24.85			MLO Performance
197	12/29/2017	017828350JJK			23.97			MLO Performance
198	12/29/2017	017828347JJK			26.12			MLO Performance
199	1/2/2018	017828346JJK			23,88			MLO Performance
200	1/2/2018	017828344JJK			21.94			MLO Performance
201	1/2/2018	017828342JJK			24.96			MLO Performance
202	1/2/2018	017828345JJK			24.46			MLO Performance
203	1/2/2018	017828343JJK			24.36			MLO Performance
204	1/2/2018	017828341JJK			23.49	1		MLO Performance
205	1/30/2018	017828468JJK			28.13			HM/Pat
206	1/30/2018	017828467JJK			28.28			HM/Pat
207	1/30/2018	017828340JJK			27.18			HM/Pat
208	1/30/2018	017828449JJK			24.94			S & C Transport
209	1/30/2018	017828451JJK			27.57			S & C Transport
210	1/30/2018	017828454JJK			24.80			S & C Transport
211	1/30/2018	017828448JJK			26.01			S & C Transport
212	1/30/2018	017828453JJK			25.23			S & C Transport
213	1/30/2018	017828450JJK			26.05			S & C Transport
214	1/30/2018	017828452JJK			25.53			S & C Transport
215	1/30/2018	017828455JJK		1	24.54			5 & C Transport
216	1/31/2018	017828471JJK			32.48			HM/Pat
217	1/31/2018	017828470JJK			28.38			HM/Pat
218	1/31/2018	017828469JJK			29.99			HM/Pa†
219	1/31/2018	017828457JJK			21.58			5 & C Transport

					Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 4 4	Soil	Soil	Groundwater	Driver
220	1/31/2018	017828460JJK			24.70			S & C Transport
221	1/31/2018	017828463JJK			24.95			S & C Transport
222	1/31/2018	017828458JJK			24.04			S & C Transport
223	1/31/2018	017828461JJK			22.82			S & C Transport
224	1/31/2018	017828464JJK			26.63			5 & C Transport
225	1/31/2018	017828456JJK			20.89			S & C Transport
226	1/31/2018	017828459JJK			22.42			S & C Transport
227	1/31/2018	017828462JJK		- "	23.87			S & C Transport
228	2/1/2018	017828495JJK			20.39			5 & C Transport
229	2/1/2018	017828498JJK			23.76			5 & C Transport
230	2/1/2018	017828499JJK			22.20			5 & C Transport
231	2/1/2018	017828493JJK			22.81			S & C Transport
232	2/1/2018	017828497JJK			24.49			5 & C Transport
233	2/1/2018	018587516JJK			23.33			5 & C Transport
234	2/1/2018	017828494JJK			23.57			5 & C Transport
235	2/1/2018	017828496JJK			22.11			5 & C Transport
236	2/1/2018	017828500JJK			24.53			5 & C Transport
237	2/1/2018	017828489JJK			30,06			HM/Zach
238	2/1/2018	017828490JJK			29.53			HM/Zach
239	2/1/2018	017828491JJK			28.06			HM/Pat
240	2/1/2018	017828492JJK			30.37			HM/Pat
241	2/2/2018	017828472JJK			28.13			HM/Zach
242	2/2/2018	017828474JJK			26.16			HM/Zach
243	2/2/2018	017828476JJK			26.99			HM/Zach
244	2/2/2018	017828475JJK	-		25.07			HM/Pat
245	2/2/2018	017828473JJK			23.63			HM/Pat
246	2/2/2018	017828488JJK			27.77			HM/Pat
247	2/2/2018	017828339JJK			22.24			S & C Transport
248	2/2/2018	017828338JJK			24.04			S & C Transport
249	2/2/2018	017828337JJK			21.82			5 & C Transport
250	2/2/2018	017828336JJK			21.30			S & C Transport
251	2/2/2018	017828335JJK			23.74			S & C Transport
252	2/2/2018	017828334JJK			24.06			5 & C Transport
253	2/2/2018	017828333JJK			22.94			5 & C Transport
254	2/2/2018	017828332JJK			22.21			S & C Transport
255	2/5/2018	017828331JJK			21.70			S & C Transport
256	2/5/2018	017828330JJK			19.41		<u> </u>	S & C Transport
257	2/5/2018	017828465JJK			21.91			S&C Transport
258	2/5/2018	017828477JJK			28.12			HM/Pat
259	2/5/2018				26.61			HM/Pat
260	2/5/2018				23.29			S&C Transport
261	2/5/2018	018587515JJK			20.56			S&C Transport
262	2/6/2018	017828486JJK			27.51			HM/Nick
263	2/6/2018	018587545JJK			25.85			HM/Nick
264	2/6/2018	018587543JJK			26.91	<u> </u>		HM/Nick
265	2/6/2018				26.34			HM/Pat
266	2/6/2018				26.30			HM/Pat
267	2/6/2018	018587544JJK			25.03			HM/Pat

					Wayne	Advanced	Ţ	
Number			Michigan	State	Disposal	Disposal	DART	
			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
of Haz.	Date	Manifest/Ticket #	1 x 3 CC	21AA	Soil	Soil	Groundwater	Driver
268	2/7/2018	018587542JJK	1 × 3 CC	2177	26.38		O) Gallawater	HM/Nick
269	2/7/2018	018587542JJK			28.68			HM/Nick
270	2/7/2018	018587539JJK			23.75		-	HM/Zach
271	2/7/2018	018587540JJK			22.16		<del>-</del>	HM/Zach
272	2/8/2018	018587538JJK			23.69			HM/Zach
273	2/8/2018	018587537JJK			27.43			HM/Nick
274	2/8/2018	0185875573JK			23.90	<u></u>		HM/Zach
275	2/8/2018	018587559JJK			27.09		<del>                                     </del>	HM/Nick
276	2/8/2018	018587558JJK			24.25		<u> </u>	HM/Zach
277	2/12/2018	018587555JJK			27.00			HM/Nick
278	2/12/2018	018587553JJK			25.96		†	HM/Nick
279	2/12/2018	018587557JJK			25.36	l		HM/Zach
280	2/12/2018	018587554JJk			24.61			HM/Zach
281	2/12/2018	018587552JJK			35.18		+	HM/Paul
282	2/12/2018	018587556JJK	- ***		25.84			HM/Paul
283	2/13/2018	018587562JJK			26.46		<del> </del>	HM/Pat
284	2/13/2018	018587585JJK			24.75		-	HM/Pat
285	2/13/2018	018587551JJK			26.97		-	HM/Nick
286	2/13/2018	018587564JJK			25.08		<u> </u>	HM/Nick
287	2/13/2018	018587584JJK			22.71			HM/Nick
288	2/13/2018	018587583JJK			19.31			HM/Zach
289	2/13/2018	018587563JJK			22.55			HM/Zach
290	2/13/2018	018587565JJK			21,31			HM/Zach
					27.04			HM/Nick
291	2/14/2018	018587580JJK			24.71			HM/Nick
292	2/14/2018 2/14/2018	018587577JJK 018587574JJK		<u> </u>	31.11			HM/Nick
293	2/14/2018	018587575JJK		<u> </u>	25.40	-	<del>                                     </del>	HM/Zach
294 295	2/14/2018	018587578JJK		ļ	25.87		<del>                                     </del>	HM/Zach
$\overline{}$	2/14/2018	018587581JJK			25.55			HM/Zach
296					25.34		-	HM/Pat
297	2/14/2018	018587576JJK			27.83			HM/Pat
298	2/14/2018	018587582JJK			25.62	<del>                                     </del>		HM/Pat
299	2/14/2018	018587579JJK		ļ	25.62			HM/Zach
300	2/15/2018	018587573JJK		<del> </del>	26.44	<del> </del>		HM/Zach
301	2/15/2018	018587571JJK	-		30.67			HM/Zach
302	2/15/2018	018587594JJK					<del> </del>	HM/Nick
303	2/15/2018				28.14		-	HM/Nick
304	2/15/2018				29.29			HM/Nick
305	2/15/2018			ļ — — —	30.92			HM/Pat
306	2/16/2018				27.45		1	HM/Pat
307	2/16/2018				28.95	<del></del>		HM/Nick
308	2/16/2018				28.30	-		HM/Nick
309	2/16/2018	018587599JJK	<u> </u>	1	28.82	<u> </u>		M///NICK

					Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
310	2/16/2018	018587602JJK			28.49	****		HM/Nick
311	2/16/2018	018587597JJK			26,44			HM/Zach
312	2/16/2018	018587600JJK			23.83			HM/Zach
313	2/16/2018	018587603JJK			26.76			HM/Zach
314	2/19/2018	018587611JJK			28.83			HM/Mike
315	2/19/2018	018587608JJK			26,08			HM/Mike
316	2/19/2018	018587604JJK			29.52			HM/Mike
317	2/19/2018	018587605JJK			28.07			HM/Nick
318	2/19/2018	018587607JJK			27.99			HM/Nick
319	2/19/2018	018587610JJK			27.16			HM/Nick
320	2/19/2018	018587609JJK			27.49		11041	HM/Zach
321	2/19/2018	018587606JJK			29.63			HM/Zach
322	2/20/2018	018587612JJK			30.05			HM/Mike
323	2/20/2018	018587618JJK			28,22			HM/Nick
324	2/20/2018	018587619JJK			27.55			HM/Zach
<del></del>	2/28/2018	018587690JJK					6750	HM/Nick
	2/28/2018	018587693JJK					7000	HM/Nick
	2/28/2018	018587691JJK					7000	HM/Nick
-	3/2/2018	018587692JJK	1				7000	HM/Nick
325	3/5/2018	018587513JJK			34.67		, , , ,	S & C Transport
326	3/5/2018	018587514JJK			23.52		<del>                                     </del>	5 & C Transport
320	3/5/2018	018587704JJK	<u> </u>		20.02		4585	HM/Nick
327	3/5/2018	018587625JJK			30.99	1	1505	HM/Zach
328	3/5/2018	018587622JJK			23.40			HM/Zach
329	3/5/2018	018587624JJK			28.39			HM/Paul
330	3/5/2018	018587621JJK			20.10			HM/Paul
331	3/5/2018	018587623JJK			30.01			HM/Pat
332	3/5/2018	018587620JJK	•		19.03	<u> </u>		HM/Pat
333	3/6/2018	018587510JJK			31.88			5 & C Transport
334	3/6/2018	018587510JJK			28.78			5 & C Transport
335	3/6/2018	018587509JJK			29.05		-	5 & C Transport
336	3/6/2018	018587511JJK			29.04			5 & C Transport
		018587628JJK			31.07	1		HM/Pat
337	3/6/2018				28.39	<u> </u>		HM/Zach
338	3/6/2018	018587627JJK 018587626JJK		<u> </u>	28.74			HM/Travis
339	3/6/2018				29.97			S & C Transport
340	3/8/2018							S&C Transport
341	3/8/2018	018587527JJK			27.32 28.97			S & C Transport
342	3/8/2018	018587505JJK			<u> </u>		1	S & C Transport
343	3/8/2018	018587508JJK			32.03			5 & C Transport
344	3/8/2018	018587506JJK			31.92		<del> </del>	5 & C Transport  S & C Transport
345	3/8/2018	018587504JJK			32.19	-		HM/Zach
346	3/8/2018				26.92			HM/Zach
347	3/8/2018				28.14			HM/Zach
348	3/8/2018			<u> </u>	26.72			
349	3/8/2018				25.83			HM/Travis HM/Travis
350	3/8/2018				29.00		-	
351	3/8/2018				27.45	<b>_</b>		HM/Travis
352	3/8/2018				28.75		-	HM/Pat
353	3/8/2018				26,52			HM/Pat
354	3/8/2018	018587630JJK	l	l	27.18			HM/Pat

				I	Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
of Haz.			Concrete	Crushing	Hazardous	Non-Haz	Disposal	
		44:£+/T:- + #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
Loads	Date	Manifest/Ticket #	1 x 3 CC	21AA		5011	Groundwater	HM/Nick
355	3/9/2018	018587723JJK			26.86			
356	3/9/2018	018587725JJK			29.53			HM/Nick
357	3/9/2018	018587724JJK			29.33			HM/Pat
358	3/9/2018	018587721JJK			28.11			HM/Pat
359	3/9/2018	018587727JJK			31.90			HM/Pat
360	3/9/2018	018587726JJK			30.87			HM/Zach
361	3/9/2018	018587722JJK			28.15			HM/Zach
362	3/9/2018	018587533JJK			30.12			5 & C Transport
363	3/9/2018	018587531JJK			28.52			S & C Transport
364	3/9/2018	018587529JJK			29.52			5 & C Transport
365	3/9/2018	018587532JJK			29.84			5 & C Transport
366	3/9/2018	018587530JJK			31.92			5 & C Transport
367	3/9/2018	018587528JJK			28.54			5 & C Transport
	3/9/2018	018587705JJK					4600	HM/Paul
368	3/12/2018	018587728JJK			31.88			HM/Travis
369	3/12/2018	018587746JJK		1	29.44			HM/Travis
370	3/12/2018	018587744JJK			29.34			HM/Travis
371	3/12/2018	018587743JJK			32.74			HM/Paul
372	3/12/2018	018587729JJK			27.94			HM/Paul
373	3/12/2018	018587730JJK			31,10		1	HM/Paul
374	3/12/2018	018587745JJK			30.41		-	HM/Tom
375	3/12/2018	018587742JJK			27.51			HM/Tom
376	3/13/2018	018587739JJK			28.29	l		HM/Zach
370	3/13/2018	1877728			20.27	23.64		HM/Zach
		1877836				27,31		HM/Zach
277	3/13/2018				29.78	27.31		HM/Paul
377	3/13/2018	018587741JJK			29.70	26.48		HM/Paul
	3/13/2018	1877818				24.16		HM/Paul
	3/13/2018	1877721			07.42	24.10	<del> </del>	HM/Travis
378	3/13/2018	018587740JJK			27.43	25.27		
	3/13/2018	1877725				25.36		HM/Travis
	3/13/2018	1877827		ļ		27.40		HM/Travis
	3/14/2018	1877959				28.34		HM/Nick
	3/14/2018	1878057				25.02		HM/Nick
	3/14/2018	1878199				26.63		HM/Nick
	3/14/2018	1877968				25.67		HM/Zach
	3/14/2018					26.87		HM/Zach
	3/14/2018					27.92		HM/Zach
379	3/15/2018	018587738JJK			27.85			HM/Pat
380	3/15/2018	018587737JJK			28.98			HM/Pat
	3/15/2018	1878401				29.44		HM/Zach
	3/15/2018	1878311				26.17		HM/Zach
381	3/15/2018	018587766JJK			30.14			HM/Zach
	3/15/2018	1878332				29.84		HM/Nick
	3/15/2018	1878428				27.63		HM/Nick
382	3/15/2018				28.33			HM/Nick
	3/16/2018					27.89		HM/Zach
	3/16/2018					27.73		HM/Zach
383	3/16/2018		<u> </u>	<u> </u>	29.70			HM/Zach
384	3/16/2018	018587757JJK			30.63			HM/Nick
385	3/16/2018	018587759JJK			28.36			HM/Nick
386	3/16/2018	018587761JJK		_	29.87			HM/Nick
387	3/19/2018				26.50	<u> </u>		HM/Zach

					Wayne	Advanced		
Number			Michigan	State	Disposal	Disposal	DART	
of Haz.	:		Concrete	Crushing	Hazardous	Non-Haz	Disposal	
Loads	Date	Manifest/Ticket #	1 x 3 CC	21 <i>AA</i>	Soil	Soil	Groundwater	Driver
	3/19/2018	116379		34.54				HM/Zach
	3/19/2018	116383		32.10				HM/Zach
	3/19/2018	116387		30.08				HM/Zach
	3/19/2018	116384		27.05				HM/Tom
	3/19/2018	116382		26.07				HM/Tom
	3/19/2018	116378		28.65				HM/Tom
	3/19/2018	116376		21.84				HM/Tom
	3/19/2018	116377		25,07				HM/Tom
388	3/20/2018	018587764JJK			27.96			HM/Travis
	3/20/2018	116392		32.24				HM/Travis
	3/20/2018	116400		31,71				HM/Travis
	3/20/2018	119003		32.37				HM/Travis
	3/20/2018	119007		29.89				HM/Travis
389	3/20/2018	018587763JJK			31,77			HM/Paul
	3/20/2018	119006		32.02				HM/Paul
	3/20/2018	116398		32.87				HM/Paul
	3/20/2018	116389		31.85				HM/Paul
	3/20/2018	119002		32.12				HM/Paul
	3/21/2018	119050		33.76				HM/Tom
	3/21/2018	119043		32,26		<u></u>		HM/Tom
	3/21/2018	119027		29,71				HM/Tom
	3/21/2018	1879859				27.86		HM/Tom
	3/21/2018	1880083				27.55		HM/Tom
	3/21/2018	119042		33.70				HM/Paul
	3/21/2018	119049		30.97				HM/Paul
	3/21/2018	119029		32.32		<u> </u>		HM/Paul
	3/21/2018	1879870				31.49		HM/Paul
	3/21/2018	1880074				29.17		HM/Paul
	3/23/2018	1880533				29,31		HM/Tom
	3/23/2018	1880645				28.31		HM/Tom
	3/23/2018	1880786				29.16		HM/Tom
	3/26/2018					29.48	ļ	Lou's Transport
	3/26/2018		-			26.36	i i	Lou's Transport
-	Total:		160.26	727.75	10090.70	5154.65	36935.00	
	Less Prev Bi	illad	-105.63	-54.56	-2243.88	-1200.04	0	
		ling 12/09-12/29	-54.63	0.00	-2734.06	-3212.42	0.00	
	_	ling 12/30-02/02	0.00	0.00	-1399.41	0.00	0.00	
	-	ling 02/03-02/09	0.00	0.00	-546.87	0.00	0.00	
	Progress Billing 02/10-02/16		0.00	0.00	-980.76	0.00	0.00	
	Progress Bil	ling 02/17-02/23	0.00	0.00	-310.59	0.00	0.00	
	Progress Bil	ling 02/24-03/03	0.00	0.00	0.00	0.00	-27750.00	
	Progress Bil	ling 03/04-03/13	0.00	0.00	-1555.04	-154.35	-9185.00	
	Progress Bil	ling 03/14-03/20	0.00	-480.47	-320.09	-329.15	0.00	
	Progress Bil	ling 03/21-04/06	0.00	-192.72	0.00	-258.69	0.00	
	Total		0.00	0.00	0.00	0.00	0.00	

# **Environmental** Services. Inc

Customer

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

					10110 (000) 400	7 00+1 Tax (	
Customer:		Generator:			, Date:	-	
FLS PROPERTIES,	LLC	THE PEARL	BLDG		Order #:	3/21/2018	
40700 Woodward S				DWARD	PO #:		
Bloomfield Hill:	s,MI - 48304		M, MI 48071			K178Ø55WDI	<i>()</i>
248-680-1401		JAMIE ANTO			Disposal Site:	<del>Wazardous</del> Wayne Disp	2011 <b>200</b>
ETO COU ITOI		0.0 107 0.	4 ( %.)		Shop Time:	06:00 AM	OOUC 1140
					Site Time:	07:00 AM	
EQUIPM	ENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT		7:00 PM	AM PM	AM PM	AM PM	AM PM	3:15 PM AM
519M - EXCAVATOR	₹	AM \i PM	_ AM PM	_ AM PM	AM PM	AM PM	AM Li PM
520M – DOZER		AM PM	AM PM	_ AM PM	AM PM	AM PM	() AM PM
17 - 2017 FORD F	- oea	6100 PM	(AM)		AM PM	AM PM	THIS EN
		7:00 PM	AM	_ AM	AM	AM	AM
<u> 528M - EXCAVATOR</u>	<b>}</b>	TI DO PMI	PM	PM	PM PM	PM	J, IS PM
Manifest #:				Waste Qty	<b>/</b> :		
SITE PERSO	ONNEL	Start	Arrive	Depart	Finish	Air Time	Per
		Time AM	Site AM	Site AM	Time AM	AM	Diem
		PM (AM)	PM (AM)	PM AM	PM AM	PM AM	
Tom Wichman		5:30 PM	7:00 PM	3:15 PM	HIIS EM	PM	10-12
Pat Blair II		6:00 PM	l) PM	۱۱ PM	۱۱ PM	AM/ PM	10.92
		AM PM	AM PM	AM PM	AM PM	AM PM	
		AM PM	AM PM	AM PM	AM PM	AM PM	
Suite Danie	01						
Suits Boots	GIOVE	es	Overpacks	Lab	els	_ Sorbent Pac	ıs
Orums Ho	ses Fe	eet	Box Liner	Mile	age	Fuel	
					,00 on com	ipany car	of ton
OAD OUT HAZ SOIL	TO WAYNE AND	BACKFILL W	VITH 21aa.	(	parking		
* Zame	in this mor	wing to f	find Have	Amour has	a used of	N Excai	rator
00 df/w	<del>d</del> permission	•			/		
COMMENTS	loads of no	n- huz 50"	1 loaded a	ut CHM +	rucks) -	· 116.07,1	10n D
* 6	loads of ZI	AA chusha	d concret	e deliver	ed (HM Tr	neks)1/19	2.72 ton
	wated last 1					. •	
A Wore	el stock pile	of dirt (	approx. 4	00 yands) f	ion Hardma	m to hav	e room
	ill in south						
n await	ing approval	from sw	1:02 No 21	to be how	cled or le	ft on site	۵
Roll-off Unit#		vs/Caps/Fittings				(int.)	
All work has been com	pleted to my satisfa	action.					• 110 ( ) • •
. 1			~		. ^	$\cap$	. 1
NA				hana	1 Week	kmen :	3/21/18
Customer /		Date	Auti	ofized Person	nel	D	ate '

Shipping Log The Pearl Birmingham,MI

		No:N- HAZ		75.M 77.77				ングとしてません		700 N			
Time	8.40.7m	8:20 AM 1	8:35.74M	8.45 m	w650:21	12;20pm	2.00 pm	2:10/M	2,15pm	3,30gm	-		
AMOUINT			21 RH Stoire 321/Ards	THE	21A45tone 331/91ds	21 14 19 5 12 NE 32 vards	21/AA SHIIE 30 teg	BAT	JrAA Stane 30 TON		·		
Truck#	22	122	721	751	137	122	127	[2]	221	221			
Trucker	HME	H	HIIE	HME	HME	HME	HME	HMC	T	IME			
Manifest/Ticket #	16037	HL2921H1	550b11	ก/Zก <sub>ป</sub>	21/0 611	5h0 b11	119 cyq	14100277	119050	82590171			·
# Coad	***	. 7	~	5	5	9	/	8	5	9/	·		
Date	222								·				

## HM Environmental Services, Inc

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

Services, in			Pr	10ne (586) 469	9-0041 — Fax (	586) 469-1014
Customer:	Generator:	THE STATE OF THE S		, Date:		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOC M,MI 48Ø71 DNEWIECZ		Order #: PO #: Approval #: Waste Stream	WELDELEE	<del></del>
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
122 - KENWORTH TRACTOR	6:00 PM	7 00 AM	7:15 AM	AM PM	AM	AM
340D - 30 YARD DUMP TRAILER	AM ( ) PM AM PM	AM PM PM	( ) AM PM	. AM	AM PM	AM PM
	AM PM	AND	11,30 AM	AM PM	`, AM	AM
Perl Wegans	AM PM	. AM	12 30		il. AM	AM
Part / Wiegards  Manifest #: 14106274			Waste Qty			14.
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
Tom Biscarner	6 as PM				AM PM	(11.50)
	AM PM	2,60 8	8'70 AM	AM PM	AM PM	
	AM PM	11/20 8	11/36 8	AM PM	AM PM	
	AM PM		12 12 6W	) AM PM	AM PM	
	AM PM	AM AM		AM PM		
Suits Boots Glov	/es	Overpacks _	Lab	els	_ Sorbent Pac	ds
Drums Hoses I	Feet	_ Box Liner	Mile	eage	Fuel_ <u>896</u>	rul .
LOAD OUT HAZ SOIL TO HAYNE A	/ ND BACKFILL	WITH 21aa.				
COMMENTS Hanlin Dlan the	n.haw out	NonHaz	Soll			
Roll-off Unit# Tarp/Bo	ows/Caps/Fittings	received in god	od working order	r	(int.)	
All work has been completed to my satis	faction.			<del></del>		
		•	///			3/21/18
Customer	Date	Aut	horized Persor	nnel	- do	3/ <i>2//[没</i> ate

## HM Environmental Services, Inc

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

Services, ii	10		Pr	ione (586) 469	-0041 – Fax (5	86) 469-1014
Customer:	Generator:			Date:	10000	
Continued	Con	Henred		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:		
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
Pearl	AM PM AM PM	2-15-AM AM PM	2'4'5-AM AM PM	3130 AM AM PM	4 COO PU AM PM	S;30 PM AM PM
	AM PM AM PM AM	AM PM AM PM AM	AM PM AM PM AM	AM PM AM PM AM	AM PM AM PM AM	AM PM AM PM AM
Manifest #: 141 66 278	PM	PM	Waste Qty	PM -	PM	PM
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
Non Biscone	AM PM AM PM AM PM AM PM AM PM	AM PM AM PM AM PM AM PM AM PM	21.45 (PM) AM PM	PM AM PM AM PM AM	AM PM AM PM AM PM AM PM AM PM	
Suits Boots Glo						
Drums Hoses	Feet	_ Box Liner	Mile	eage	Fuel <u>&amp;\</u>	<u>a</u>
COMMENTS COMMENTS	 Servis	te Rec	eipt			
Roll-off Unit# Tarp/E	Bows/Caps/Fitting	gs received in go	od working orde	er	(int.)	
All work has been completed to my sati	sfaction.		///	1/2 2m	S i	Bette
Customer	Date	Διιτ	horized Perso	nnel	D	ate

## WIEGAND'S (586) 939-0840

HEREBY CERTIFY THAT AGGREGATE AS

ED MEETS SPECIFICATION REQUIREMENTS,

TED MICHIGAN SERIES AND CLASS IN QUANTITY

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		(Signature)	
2-5	τ <b>ω</b>	DATE	3-21-18
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11.1	100		

3-21-18

12.26 TH 122H

10:27

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

## WIEGAND'S (586) 939-0840

DI HEREBY CERTIFY THAT AGGREGATE AS
DELIVERED MEETS SPECIFICATION REQUIREMENTS,
FOR STATED MICHIGAN SERIES AND CLASS IN QUANTITY
STATED.

#50-56 PIT NO DATE 3-2(-18

SOLD TO HM ENVIORMENTY
DELIVERED TO SPECVICE

TYPE OF TONS OR AMOUNT TOTAL MATERIAL YARDS AMOUNT TOTAL TOTAL SPECIAL 12:03 3-21-18

Spec 12:03 3-21-18

GROSS 54.67 TM TAX )CE/

TARE 20-91 TH

LOADED BY

NET 33.76 TN

TRUCK NO. 122+

DRIVER

RECEIVED BY

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

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		AND'S 39-0840	
1 HEREB	Y CERTIFY TI	HAT AGGREGA	TEAS
DELIVERED MEI			
FOR STATED MI	CHIGAN SERI	ES AND CLAS	S IN QUANTITY
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	1027	$M_{i,j}M$	MEK
TYPE OF MATERIAL	TONS OR YARDS	AMOUNT	TOTAL
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7ARE 20.5	1 TN	and the second s	DED BY
NET 29.7	1 TN		
TRUCK NO.		17.2	
DRIVER			
RECEIVED BY	And the state of t		
AN I	EQUAL OPPOR	TUNITY EMPLO	YER
	SHIPPER'S	СОРҮ	

;	
ARBOR HILLS LANDFILL	_
10690 W SIX MILE RD	
NORTHVILLE, MI 48168	
8884431717	
1	
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•	

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

SITE CELL TICKET #					OPERATOR			
01 1879859				43967				
-	TRUCK CONTAINER				LICENSE			
HM122-30					:			
REFERENCE				:	IN	OUT		
14106274				:	3/21/18 9:22 am <sup>2</sup>	3/21/18 9:22 am		

INVOICE INBOUND

CONTRACT; AF	H8807 - VA	CANT LOT 856 N OLD WOODWARD AVI	GROSS TARE NET	•	BS Scale In BS Tare Out BS	i i i	
QTY :	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
27.86 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00 0.00		:	:
:		· ·					
:		÷					
· · ·	7						

I hereby certify that this load does not contain any unauthorized hazardous waste.

Paid Change Check#

Total

Recpt #

SIGNATURE:

**CUSTOMER COPY** 



1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Respons	se Phone	4. Waste Tr	acking Nu	nber	0274			
	5. Generator's Name and Maili	ing Address		Generator's Site Addres	s (if different th	nan mailing addre	ess)					
		855 N. Old Woodward A	MA.		San	in the second						
		Birmingham MI 48009										
	Generator's Phone: 6. Transporter 1 Company Nan					U.S. EPA ID N	Number					
	o. Hanoportal Poompany Han	189   Whotamerical -585-	4542-11114. I	•								
	7. Transporter 2 Company Nan	TIE				U.S. EPA ID N	Number .					
						LLG EDAIDA	I l					
	8. Designated Facility Name an	nd Site Address I <b>rbor Hills Landfill</b>	248	412-0691		U.S. EPA ID N	number					
	ļ.	V. 6 Mile Road			MIN	114-185-4	LIA.					
	Northville, MI 48168 Facility's Phone:											
	0. Marte Shipping Name and Description 11, Total 12. Unit											
	9. Waste Shipping Warn	e and Description		No.	Туре	Quantity	Wt,/Vol.					
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GENERATOR						And the last of th	Andread . In Sugar					
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	13. Special Handling Instruction	ns and Additional Information					L	<u> REGISTATIONS</u>	APR 2 (44 H 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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	1 913 612	THE THE REAL PROPERTY OF THE PARTY AND	من <sup>ي</sup> وظير دويه •					and the second				
	14. GENERATOR'S/OFFEROF marked and labeled/placard	R'S CERTIFICATION: I hereby declare that the colded, and are in all respects in proper condition for	ntents of this consignment a transport according to applic	re fully and accurately de cable international and na	scribed above itional governn	nental regulations	ipping nam S.	e, and are classified	г, раскадец,			
	Generator's/Offeror's Printed/T			nature	The same of the sa	And the first state of the state of the state of		Month	Day Year 21   18			
*		on Agric de	Jack & Clarice A	E Sample Control	Selection of the Select			Charles	21   18			
INT'L	15. International Shipments	Import to U.S.	Export from t									
-	Transporter Signature (for exporter Acknowledgme			Date lea	ving U.S.:	- AND THE REAL PROPERTY OF						
FTE	Transporter 1 Printed/Typed Na	ame	Sig	nature		A TOTAL OF THE PARTY OF THE PAR	The state of the s	Month	Day Year			
SPO	-Tom Bisco			ALL DE LEG CONTRACTOR	San Jan State		The state of the s	Month	Z/ / X Day Year			
TRANSPORTER	Transporter 2 Printed/Typed Na	ame	.Sig	nature				WORM	Day 1601			
<u> </u>	17. Discrepancy											
1	17a. Discrepancy Indication Sp	pace Quantity	Туре	Residue		Partial Rej	ection	Fu	ıll Rejection			
		L Quality , L	1340						,			
	47h Albayanta F194 / /av O	ovator)		Manifest Reference	Number:	U.S. EPA ID	Number		· · · · · · · · · · · · · · · · · · ·			
È	17b. Alternate Facility (or Gene	<sub>.</sub>				5.5. El 7 ID						
FAC	Facility's Phone:		•			1.						
日	17c. Signature of Alternate Fac	cility (or Generator)						Month	Day Year			
NA.				Marin Blackers of the state of		r garaca <b>(</b> Tex			A. 407. PART			
DESIGNATED FACILITY						/ $V$	7	9012	9			
						10	1	180				
CONTRACTOR	18. Desiganted Facility Owner	or Operator: Certification of receipt of materials co	vered by the manifest excep	ot as noted in Item 17a	<u> </u>	<u> </u>		* *** ** ** *** *** *** *** *** *** **				
2.57 5.54 2.5	Printed/Typed Name			gnature		-		Month	Day Year			
			1	4/11 : -				1-7	<i>31</i> 116 1			

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

SITE	CELL	TICKET #			OPERATOR			
01	·	1	.880083		40219			
	TRUCK CONTAINER			R	LICENSE			
HM122-30								
REFERENCE					IN	оит		
14106278					3/21/18 \ 3:26 pm	3/21/18 3:26 pm		

INVOICE INBOUND

CONTRACT: AH8807 - VACANT LOT 856 N OLD WOODWARD AVE			GROSS TARE NET		BS Scale In BS Tare Out BS		
QTY	QTY UNIT DESCRIPTION			%	RATE	TAX	TOTAL
27.55 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00 0.00			

S., .

Total
Paid
Change
Check#
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

**CUSTOMER COPY** 

SIGNATURE:



1		NON-HAZARDOUS WASTE MANIFEST	Generator ID Number	2.		3. Emergency Respons		4. Waste T	racking Nu	mber 14106278
	5. 0	Generator's Name and Maili	ing Address		(	Generator's Site Addres	s (if different th	an mailing addr	ess)	
			856 N. Old Woody	vard Ave			Sar	16		
			Birmingham MI 48	•	1					
		nerator's Phone: fransporter 1 Company Nar		27 13 4 h				U.S. EPA ID	Number	
$\  \ $	".		in 240 cm crez libi inheritati	-5.26.460.03A						:
	7.1	Transporter 2 Company Nar		14343 -410 X-17444 (144)		<u>.,.,,</u>		U.S. EPA ID	Number	
	8. [	Designated Facility Name ar			040.4	40.0004		U.S. EPA ID	Num <b>b</b> er	·
			Arbor Hills Landfill V. 6 Mile Road		248-4	12-0691				
		•	lle, MI 48168				Mik	(114-185-	410	
	Fac	cility's Phone:	,			10, Cont	ainers	11, Total	12, Unit	
		9. Waste Shipping Nam	e and Description		•	No.	Туре	Quantity	Wt./Vol.	
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GENERATOR	14% 10% 10%						-			
Ĭ		<b>3.</b>	•	•						
	- A	4.						• •		
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	13.	. Special Handling instruction	, Additional information			•				
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		Mic	27 121106 AHD	Mus alb						
		•				٠.,				
	14	. GENERATOR'S/OFFEROI	R'S CERTIFICATION: I hereby declare the	hat the contents of this cor	nsignment are	fully and accurately de	escribed above	by the proper s	hipping nam	ne, and are classified, packaged,
2001-2010		marked and labeled/placar	rded, and are in all respects in proper con	dition for transport accord	ling to applica	ble international and na	ational governm	nental regulation	15.	Month Day Year
	Ge	enerator's/Offeror's Printed/T		Let ben	:Sign - سنگ ا عصری	ature	d'i	والمتعادة والمتع	g(a <sup>gen</sup>	3   Z   1   6
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42826 N. Walnut - Mt. Clemens, MI 48043

THE PEARL BLDG   Woodward Suite 25@P. D.   BOX 689856 N. OLD MOODWARD   BIRMINGHAM, MI 48@71 - JAMIE ANTONEWIECZ   B1@-734-@975   B1RMINGHAM, MI 48@71 - JAMIE SITE IIIINE   Waste Stream; HAPARDDUS SOIL NON) AN DISPOSAL STRIME   B1SPOSAL   TIME   Waste Stream; HAPARDDUS SOIL NON) AN DISPOSAL STRIME   Waste Stream; HAPARDDUS SOIL NON) AND DISPOSAL STRIME   Waste Stream; HAPARDDU	Start   Start   Start   Site   Depart   Site   Disposal   Site   Site   Disposal   Site   Site   Disposal   Site   Site   Disposal   Site	Services, I	nc		Ph	one (586) 469	-0041 - Fax (5	586) 469-101
THE PEARL BLOG	THE PEARL BLDS  (0780 Woodward Suite 250P.0.)  (0780 Woodward Suite 1111.  (0780 Woodward Site 1111.  (0780 Woodward Suite 1111.  (0780 Woodward Site 11111.  (0780 Woodward Site 1111.  (0780 Woodward Site 11111.  (0780 Woodward Site 1111.  (0780 Woodward Site 11111.  (0780 Woodward	ıstomer:	Generator:			Date:	3/91/9010	
Moodward   Suite   250P. 0.   Fixed   Hills, MI   48304   Hamiltonian    PO #: Approval #:   178055MDI   Waste Stream.page.page.poly   Stream.page.poly   Stream	TS DRODERTIES, IIC	THE PEAR	BLDG		Order #:	2/51/5010		
BIRMINGHAM, MI 48071 - JAMIE ANTIONEMIEC7   BIRMINGHAM, MI 48071 - JAMIE ANTIONEMIEC7   BIO-734-0975   BIO-73	BIRRINGHAM, MI 48304   BIRRINGHAM, MI 48671 - JAME 6AROMENIECZ   S10-734-8975   Waste Strammandpolic Still NON 248-688-1401   Waste Strammandpolic Still NON 250 AM Site Time: 07:00 AM		l l		WARD	P0 #:		
JAMIE ANTONEWIECZ   B10-734-0975   Disposal Site: MP/NE Disposal Disposal Site: MP/NE Disposal Di	SAME ANTONEMIECZ   Waste Stream PROMEDIES STIL NON Shop Time: 96:00 AM SITE TIME: 96:00 AM				I		K178055WDI	
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- HAULED (3) Longs of Stone		oll-off Unit# Tarp/B	ows/Caps/Fittings	received in good	working order		(int.)	

#### WIEGAND'S (586) 939-0840

**EREBY CERTIFY THAT AGGREGATE AS** 

D MEETS SPECIFICATION REQUIREMENTS.

ED MICHIGAN SERIES AND CLASS IN QUANTITY

JONS OR **AMOUNT TOTAL** YARDS 11:54

3-21-19

L.41 TN

1.44 724 LOADED BY

111

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

WIEGAND'S (586) 939-0840

I HEREBY CERTIFY THAT AGGREGATE AS DELIVERED MEETS SPECIFICATION REQUIREMENTS, FOR STATED MICHIGAN SERIES AND CLASS IN QUANTITY STATED. \_

SOLD TO **DELIVERED TO** 

MAS TONS)OR YARDS TYPE OF **AMOUNT** TOTAL MATERIAL 33.70 10:25 3-21-18

54.14 T M **GROSS** 

20.44 ned Alle LOADED BY

OV.EE 香精 NET

TRUCK NO.

DRIVER

AN EQUAL OPPORTUNITY EMPLOYER

SHIPPER'S COPY

		SAND'S 939-0840	
THEREE	Y CERTIFY T	HAT AGGREGA	TEAS
DELIVERED ME	ETS SPECIFIC	CATION REQUI	REMENTS,
FOR STATED M	ICHIGAN SER	IES AND CLASS	S IN QUANTITY
STATED,		(Signature)	
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SOLD TO	ME	JViocu	MELTIAL
DELIVERED TO		Servic	E
$\rightarrow$	4		
- K2	· Min	MAINL	
TYPE OF MATERIAL	CIÓNS)OR YARDS	AMOUNT	TOTAL
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SPEC	6:28	3-21-18	
GROSS 52.7	Marie Carlotte Control	TAX	1651
TARE ZOSA	4 TW	LOAD	DED BY
NET 32/3	a ju		
TRUCK NO.	1/	127	
DRIVER \	<u>/</u>		
RECEIVED BY AN	FOLIAL OPPOR	TUNITY EMPLOY	/ED
	,	- STALL LIVIE EO I	

SHIPPER'S COPY

ARBOR HILLS LANDFILL 10690 W SIX MILE RD **OPERATOR** SITE **CELL** TICKET # NORTHVILLE, MI 48168 8884431717 1879870 43967 01 LICENSE CONTAINER TRUCK 004240 HM127-30 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST OUT: IN REFERENCE CLINTON TOWNSHIP, MI 48036 INVOICE 3/21/18 3/21/18 14106276 INBOUND 9:40 am 9:40 am **GROSS** 103,920.00LBS Scale In CONTRACT; AH8807 - VACANT LOT 856 N OLD WOODWARD AVI 40,940.00LBS Tare Out 62,980.00 LBS TARE NET BOL: TAX TOTAL ORIGIN % RATE DESCRIPTION QTY UNIT WY 100.00 Contaminated Soils (Ext) 31.49 ΤN 0.00 COMPLIANCE AND BUSINESS IMPACT CHAR 1.00 Total Paid Change I hereby certify that this load does not contain any unauthorized hazardous waste. Check# Recpt # **CUSTOMER COPY** 

SIGNATURE:



<b></b>	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Pa	age 1 of 3. Eme	rgency Respons	se Phone	4. Waste Tr	acking Nu	14108278
	5. Generator's Name and Mail	u ing Address a 和 上心儿		Genera	tor's Site Addres	ss (if different th	an mailing addre	ss)	
		856 N. Old Woodw	ard Ave			San	1e		
		Birmingham MI 480	(1 <sup>1</sup> )	1					•
	Generator's Phone:	707 707 717	*%** 4.5				U.S. EPA ID N	Jumber	
	Transporter 1 Company Na	ishtemeteri Mil	-525-469-6041	4	127			iambo.	
	7. Transporter 2 Company Na	,	7,44, 12,42	*			U.S. EPA ID N	Number -	
	8. Designated Facility Name a			248-412-0	1601	•	U.S. EPA ID N	Number	
		rbor Hills Landfill V. 6 Mile Road		240-412-0	1 609	83114	114-185-4	118	
	Northvi	lle, MI 48168				894185.	1 700 700 -	** **	45
	Facility's Phone:				10, Cont	tainers	11. Total	12. Unit	
	9. Waste Shipping Nam	ne and Description			No.	Type	Quantity	Wt./Vol.	
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	5.						T1)VI		) a
	6.					-	. ~ \$	· ·	
	13. Special Handling Instruction	ons and Additional Information			<u>'</u>				
	5 53 EL	in Joseph Herrico	DN 1888 Jan 2 Com			-			
	With	17-181106 AHRB	Wi blb						
	14 GENERATOR'S/OFFERO	R'S CERTIFICATION: I hereby declare that	at the contents of this consid	unment are fully a	nd accurately de	escribed above	by the proper sh	ipping nam	ne, and are classified, packaged,
	marked and labeled/placar	ded, and are in all respects in proper cond	ition for transport according	to applicable inte	ernational and na	ational governm	ental regulations	3,	
V	Generator's/Offeror's Printed/		er lang.	Signature	grand Marie Control	ARA BARA BARA BARA BARA BARA BARA BARA	A CONTRACTOR OF THE PROPERTY O		Month Day Year
Li	15. International Shipments	Import to U.S.	Exp	ort from U.S.	Port of 6	entry/exit:			
TRANSPORTER INT'L	Transporter Signature (for exp	orts only):			Date lea	ving U.S.:			
TE.	16. Transporter Acknowledgm Transporter 1 Printed/Typed N	· · · · · · · · · · · · · · · · · · ·	F	Signature	1 marine	The state of the s		······································	Month Day Year
POR	J. G. Z.	market and the second of the s	-2-4	/	Sand	and the second s	-7		13/21/18
NSI	Transporter 2 Printed/Typed N	lame	<u> </u>	Signature					Month Day Year
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A	17. Discrepancy								
1000	17a. Discrepancy Indication S	pace Quantity	Туре	L	Residue .	١.	Partial Re	jection	Full Rejection
				. Mo	nifest Reference	Number			•
<u>-</u>	17b. Alternate Facility (or Gen	erator)		ivid	I HI COLL I TOTAL I I CO	, 14111001.	U.S. EPA ID	Number	11.00
	100	•							
) FA(	Facility's Phone:							<del>;</del>	Made Dec V
TED	17c. Signature of Alternate Fa	cility (or Generator)		1					Month Day Year
DESIGNATED FACILITY							1 / 1		
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SCHOOL STATES	18. Desiganted Facility Owner	r or Operator: Certification of receipt of mat	terials covered by the manife				į		
Series Series	Printed/Typed Name .			Signature	1				Month Day Year
<b>A</b>	1			$-10 \cdot f / f$	,	-			

RETURN TO OPERATOR

: ARBOR HILLS L 10690 W SIX M	ILE RD									:
NORTHVILLE, N 8884431717	1I 48168				SITE	CELL	TICKET	#	OPERATO	OR :
i					01		18800	74	43967	
3		•			7	RUCK	C	ONTAINER :	LICE	NSE
004240 HM ENVIRONM	: Ental (at	.)			н	<b>1</b> 127-30				:
42826 NORTH N	NALNUT S	Ť					REFERENCE		IN	OUT
CENTON FOW	13HIF, 14H	:	INVO		141062	77			3/21/18 3:05 pm′	3/21/18 3:05 pm
CONTRACT; AI	H8807 - V	ACANT LOT 856 N OLD WOODW	ARD AVI	GROSS TARE NET	40	•	BS Scale In BS Tare Out BS			
QTY :	UNIT	DESCRIPTION		ORIGI	١	%	RATE	TAX	TO	TAL
29.17 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS	IMPACT CHAR	WY		100,00 0.00		:		:
:								:		·
I hereby certify that	this load d	pes not contain any unauthorized haz	ardous waste. <sub>.</sub>	<u> </u>			•	Tota Pald Char Chec Recp	nge :k#	

**CUSTOMER COPY** 

SIGNATURE:



<b>A</b>	NON-HAZARDOUS	1. Generator ID Number	2	2. Page 1 of 3	Emergency Response	e Phone	4. Waste Ti	acking Nu	mber	- 7
	WASTE MANIFEST	ng Addross			enerator's Site Address	if different t	han mailing addre	2ce)	* ***	
	5. Generator's Name and Maili	vacani Loi		ď	enerators one Address			330)		
	,	856 N. Old Woodn	rard Ave	•		Sar	ne			
	Generator's Phone:	Airmingham MI 43	009	1						
	6. Transporter 1 Company Nan	ne 245 650 1401					U.S. EPA ID I	Number		
		LIM I mironmental	-326-469-1114	1						
	7. Transporter 2 Company Nar	me	<i></i>				u,s, epa ió i I	Number		
	8. Designated Facility Name ar	nd Site Address	*				U.S. EPA ID I	Number		
		rbor Hills Landfill		248-41	2-0691					÷
		V. 6 Mile Road				MIL	(114-185-	416		
	Facility's Phone:	lle, MI 48168						т		
	9. Waste Shipping Nam	e and Description			10. Conta		11. Total	12. Unit	: · · · · · · · · · · · · · · · · · · ·	
	9 SS 1.				No.	Туре	Quantity	Wt./Vol.		8 - 7 A T 3 C 3 S 4
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FRAT	2. Contai	ninaleti soli -				65° V				
GENERATOR							And the second s		×.	
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	4.	•		· · · · · · · · · · · · · · · · · · ·		- 1	7 1 - 0		/	
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	5.			***			THU	D		
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	6.							-		
	13. Special Handling Instruction	no and Additional Information	<u> </u>					<u> </u>		
	13. Special Handling mistraction	ila and Additional Information								
		7 121106 AHRI	10 P							
	iviit.	i lollio mini	ana pir					*		
	,									
	14. GENERATOR'S/OFFEROR	R'S CERTIFICATION: I hereby declare to ded, and are in all respects in proper con	nat the contents of this co	nsignment are f	ully and accurately des	scribed above	by the proper sh	ipping nam	e, and are classifie	d, packaged,
	Generator's/Offeror's Printed/Ti		dition for transport accord	Signal	<del></del>	)	Tio ital Togulations	A CONTRACTOR	Month	Day Year
₩	Att 1/2 been	* · · · · · · · · · · · · · · · · · · ·	San	Sper district	A Contract of the Contract of	المراجعة ال المراجعة المراجعة ال	And the state of t		131	21 118
7	15. International Shipments	Import to U.S.		Export from U.S	. Port of er	ntry/exit:				
INT.	Transporter Signature (for expo	orts only):			Date leav					
EB	16. Transporter Acknowledgme Transporter 1)Printed/Typed Na			Signat	· · · · · · · · · · · · · · · · · · ·	All Property and the second			Month	Day Year
TRANSPORTER	Transporter (Printed/Typed Na	diffe	- K	Signal	ure	# /	and the second	~~}	5	211 18
INSF	Transporter 2 Printed/Typed Na	ame		lSignal	ure	· ·	7 7	1	Month	Day Year
TR/			· .	9						
A	17. Discrepancy									
	17a. Discrepancy Indication Sp	pace Quantity	Туре		Residue		Partial Re	ection	F	ull Rejection
		•						· ·		-
\  -	17b. Alternate Facility (or Gene	erator)			Manifest Reference N	Number:	U.S. EPA ID	Number		
DESIGNATED FACILITY	and the second second	,	· ·							
FAC	Facility's Phone:									
日	17c. Signature of Alternate Fac	cility (or Generator)	•						Month.	Day Year
GNA			THEAT POST STORY TO SERVICE			w 25-3-3-5000	and the procession	Kasa aga		
ESK							15%	115	ATL	1
							11/2	, U	OTI	
	18. Desiganted Facility Owner	or Operator: Certification of receipt of ma	aterials covered by the ma	nifest except as	noted in Item 17a	<u> </u>	1 1 1			200 (1 10 10 10 10 10 10 10 10 10 10 10 10 10
	Printed/Typed Name			Signa					Month	Day Year
₩				= A / 1	13:				121	611 Not 1



42826 N. Walnut -- Mt. Clemens, MI 48043

Services,	, Inc		Pi	none (586) 469		
Customer:	Generator:			, Date:	7/55/5545	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P Bloomfield Hills,MI - 4830 248-680-1401	1	N. OLD WOO 1,MI 48071 DNEWIECZ		Order #: PO #:	NON HAZARD ADVANCED D 06:00 AM	06-AH8807- OUS SOIL
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM PM	AM PM	3. AM
519M - EXCAVATOR	AM I\ PM	AM PM	AM	AM PM	AM PM	AM يز إ
520M - DOZER	l AM PM	AM PM	AM	AM	AM PM	N AM
17 - 2017 FORD F-250		7:00 PM	3,30 M	AM PM	AM PM	4:45 PM
528M - EXCAVATOR	AM PM	AM PM	AM PM		AM PM	3:30 PM
lanifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
•	AM PM	AM PM	AM	AM	AM PM	
Tom Wichman	5:30 PM	AM		AM	AM PM	1125
Pat Blair II	6;00 PM	( PM	l∖ PM	AM ll PM	AM RM	10:13
	AM PM	AM PM			AM PM	
	AM PM	AM PM				
Suits Boots	Gloves	Overpacks _	Lab	oels	_ Sorbent Pac	ds
Orums Hoses	Feet	_ Box Liner	Mile	eage	Fuel	
WORK WITH HARTMAN TO MOVE	STOCKPILED NO	V HAZ TO AN		•	ring	rd for
comments  * continued to direction on * excavated lo * moved Mats	what to do e st additiona For Handman	olth soil I deoth he 1	ile for pul			- 1
+ cleaned up s	sail piles from	n drillin	q			
	rp/Bows/Caps/Fittings			r	(int.)	
All work has been completed to my	satisfaction.				0	
$\mathcal{U}/\mathcal{A}$			Thoma	1 Will	mun .	3/22/18
Customer <sup>'</sup>	Date	Aut	horized Persor	nnel	D	láte /

#### HM Environmental Services, Inc

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

	services	s, inc		Pl	none (586) 469	)-0041 – Fax (	(586) 469-101 <sub>4</sub>
Customer:		Generator:		***************************************	Date:	3/23/2018	}
FLS PROPERTI		THE PEARL			Order #:		
		⊅P.O. ⊯OX 689856			PO #:		
Bloomfield H	Hills,MI - 48			PARIA	Approval #: Waste Stream:		06-AH8807-
248-680-1401	4	JAMIE ANT 810-734-0			Disposal Site:	NUN HAZARL ANUANCEN N	'UUS 301L 'TSDNSAI
C40_000_1461	ī.	010-734-0	214		Shop Time:	06:00 AM	TOPOUR
					Site Time:		
EQI	UIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB	CAT	7:00 PM	AM	AM PM	AM	AM PM	3130 EN
519M - EXCA\		AM	AM	AM	AM	AM PM	AM (, PM
520M - DOZEF		AM PM	– AM P <u>M</u>	AM PM	PM	AM PM	PM
17 - 2017 FC	ORD F-250		7:00 PM	3130 (PM)	AM PM	AM PM	3:45 PM
<u> 52AM - EXCAL</u>	VATOR	7:00 AM	AM PM	AM PM		AM PM	2.30 PM
Manifest #:				Waste Qt	y:		
SITE P	PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	***************************************	AM PM	AM	AM	AM	AM PM	
Tam Wichman		6:00 PM	(AM)	AM		ÆΜ	975
		1 t PM	, AM	, AM	_ AM	AM	
Pat Blair I		AM PM	AM	AM	AM	AM	
		- AM PM	AM	AM	AM	AM	
Suits	Boots	_ Gloves	Overpacks_	Lal	oels	_ Sorbent Pa	ds
Orums	Hoses	Feet	Box Liner	Mile	eage	Fuel	
				-JP	7.00 on con	mouny ca	ivel for
CATHED AND I	LOAD OUT NON	HO7 SOTIS			parki no	9	
OHINEN HID I	_040 001 14014	IME DOILD					
COMMENTS	× la leal Z	loads of no	m-haz si	DIL CHM T	rucks)	86.78	tom
	W Call	d to move sto	ck pile of	- soll out	of Ham	lmans w	ay
	~ CONTINUE		20.000			-	ı
		hat's for Hand		4.5			
	* cleaned	up soil piles	from dri	lling			
Roll-off Unit#		Tarp/Bows/Caps/Fitting	s received in go	od working orde	er	(int.)	
	n completed to m		<b>3</b> -	<u> </u>			
	•						
Overteen			A	haritad Dare-	nnol	F	Date
Customer		Date	Au	thoriżed Perso	miei	L	Jai <del>c</del>



**Customer:** 

Generator:

# **Daily Service Receipt**

42826 N. Walnut - Mt. Clemens, MI 48043 Phone (586) 469-0041 - Fax (586) 469-1014

	Generator:			, Date:		
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O	ſ	N. OLD WOO		Order #: PO #:	3/23/2018	
Bloomfield Hills, MI - 48304		M, MI 48071		Approval #: Waste Stream	M1687-1811 NON HAZARD	06-AH8807-
248-680-1401	JAMIE ANT			nizhozai gite:	NUN HAZARD ADVANCED D	UUS SUIL ISPOSAL
				Snop time:	06:00 AM	
				Site Time:	07:00 AM	
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
122 - KENWORTH TRACTOR	6 COU CAM	7,00 PM		8:30 PM	9 BU PM	AN PM
340D - 30 YARD DUMP TRAILER		( ) AM PM	C 5 PM	C > AM PM	( <i>)</i> PM	PN
	AM PM	10:41 PM	10,15 AM	11:15 8	11:45 PM	
	AM PM	12:45 8	1,00 AM	21150	3:60	5 30 A
	AM 4 PM	AM	AM	AM	ĀM	AM
Manifest #: 14106279/14106	X80/1410(v3	18/	Waste Qt	1:29T	· · · · ·	
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
Tom Biscarner	Give PM	7100 PM	7/20 PM	AM PM	AM PM	11.50
1 to m to the of the left 11 to 1	AM PM	/Δ'M/	10:15 PM		AM	
	AM PM		Lou AM	530		
	MA AM	AM	ĂΜ	AM	AM	,
	PM AM	AM	AM	AM	AM	
	PM	PM	PM	PM	PM	
Guits Boots Gl	oves	Overpacks _	Lab	oels	_ Sorbent Pac	ds st
Suits Boots Gl	oves	Overpacks _ _ Box Liner _	Lak	eage	_ Sorbent Pac Fuel <u>\$\$ C</u>	ds
Orums Hoses SHUTTLE LOADS OF NON HAZ SO	Feet	_ Box Liner	Mile	eage	Fuel <u>35 C</u> o	ds
SHUTTLE LOADS OF NON HAZ SO	Feet	_ Box Liner	Mile	eage	Fuel <u>35 C</u> o	ds
SHUTTLE LOADS OF NON HAZ SO  COMMENTS Shuttle Loc  Car Fine an 696  Roll-off Unit# Tarp/	Feet ILS TO ADVAN	_ Box Liner_ CED DISPOSA n /Janz . truffac Was	Mile So X to Stopped for	age Adama Almost l	Fuel <u>35 C</u> o	ds
COMMENTS Shuttle Low Car Fine on 696	Feet ILS TO ADVAN	_ Box Liner_ CED DISPOSA n /Janz . truffac Was	Mile So X to Stopped for	age Adama Almost l	Fuel 35 Ga	ds
SHUTTLE LOADS OF NON HAZ SO  COMMENTS Shuttle Loc  Car Fine on 696  Roll-off Unit# Tarp/	Feet ILS TO ADVAN	_ Box Liner_ CED DISPOSA n /Janz . truffac Was	Mile So X to Stopped for	age Adama Almost l	Fuel 35 Ga	ds

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

CELL TICKET # OPERATOR SITE 1880533 40219 01 CONTAINER LICENSE TRUCK HM122-30 REFERENCE IN OUT 3/23/18 3/23/18 14106279 8:24 am 8:24 am

INVOICE INBOUND

ONTRACT; AF	18807 - VAC	CANT LOT 856 N OLD WOODWARD AVE	GROSS TARE NET	•	BS Scale In BS Tare Out BS		
QTY	QTY UNIT DESCRIPTION			%	RATE	TAX	TOTAL
29.31 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00 0.00			·
						Total	

I hereby certify that this load does not contain any unauthorized hazardous waste.

Paid Change Check# Recpt #

**CUSTOMER COPY** 

SIGNATURE:\_\_\_\_

<b>A</b>	NON-HAZARDOUS	1. Generator ID Number	2. Page	e 1 of 3. E	nergency Respons	se Phone	4. Waste Ti	racking Nu	mber
	WASTE MANIFEST	- Address			erator's Site Addres	e (if different t	an mailing adds	neel	
	5. Generator's Name and Mailin			Gene	natui s oile Audres	,	_		) ·
		856 N. Old Woodwar				San	10		
	Generator's Phone:	Firmingham MI 4800	9.						
	6. Transporter 1 Company Nam					٠	U.S. EPA ID I	Number	
		HM I millionmental -5	86-469-0041				1.6 ==: ::		
	7. Transporter 2 Company Nam	ne	<u>,                                     </u>				U.S. EPA ID I	Number	,
	Designated Facility Name an	d Site Address				-1	U.S. EPA ID I	Number	
	ADS / A	rbor Hills Landfill	2	248-412	-0691				e No. Granik
		/. 6 Mile Road				MIK	114-185-4	116	
	Facility's Phone:	le, MI 48168				. 1		<u> </u>	
	9. Waste Shipping Name	e and Description			10. Cont		11. Total Quantity	12. Unit Wt./Vol.	
					No.	Туре	Quantity	WL/VOI:	
OR					Col	DT	29		1.5
FA	2.	nder and the state of the state			1 1			1	
GENERATOR								i.	
Ī	3.	इ.					•		
	4.							<u> </u>	
	5.					1	,	<u> </u>	
								1	
	6.		•						
	13. Special Handling Instruction			,	<u></u>				
	14. GENERATOR'S/OFFEROR	7 181106 AHSE0 PS CERTIFICATION: I hereby declare that t	he contents of this consigning	nent are fully	and accurately de	scribed above	by the proper sh	nipping nam	e, and are classified, packaged,
	marked and labeled/placard Generator's/Offeror's Printed/Ty	ded, and are in all respects in proper condition	n for transport according to	applicable in Signature		tional governn	nental regulations	3. <i></i>	Month Day Year
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ָ יַר	15. International Shipments	Import to U.S.	Export		Port of e	ntn/exit	:		1 1133 173
INT.	Transporter Signature (for expo		L Lipon	110111 0.0.		ving U.S.:			\$ forest
						· · · · · · · · · · · · · · · · · · ·			Mark Day
TRANSPORTER	Transporter 1 Printed/Typed Na			Signature	A CONTRACTOR OF THE PROPERTY O	The state of the s		4.	Month Day Year
NSP	Transporter 2 Printed/Typed Na	ime		Signature	Comment of the second s	The state of the s	The second control of the second	The same of the sa	Month Day Year
TRA									
A	17. Discrepancy								
	17a. Discrepancy Indication Sp	pace Quantity	Туре		Residue		Partial Rej	jection	Full Rejection
			•						હું }
	17b. Alternate Facility (or Gene	rator)		Λ	lanifest Reference	Number:	U.S. EPA ID I	Number	
=	, , , , , , , , , , , , , , , , , , ,	, ,					<b>v</b> •		• • • • • • • • • • • • • • • • • • •
FAC	Facility's Phone:						<b>a</b>	A. January	77
TED	17c. Signature of Alternate Fac	ility (or Generator)				15	Z S 7		Month Day Year
GNA				2004,770,751	ar erestekî es	$ \!$	225	<u> </u>	The state of the s
— DESIGNATED FACILITY									
		or Operator: Certification of receipt of materi	als covered by the manifest	except as no Signature		:	/		Month Day Year
	Printed/Typed Name			Joynaure	•			Market Contract Contr	
· · ·	•	1		•			1 James	$\setminus$ /	1515/6

ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 8884431717

004240 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST CLINTON TOWNSHIP, MI 48036

TICKET # OPERATOR SITE CELL 1880645 40219 01 LICENSE TRUCK CONTAINER HM122-30 IN OUT REFERENCE 3/23/18 3/23/18 14106280 11:06 am 11:06 am

INVOICE INBOUND

ONTRACT; AI	18807 - VA	CANT LOT 856 N OLD WOODWARD AVE	GROSS TARE NET	•	BS Scale In BS Tare Out .BS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
28.31 1.00	TN	Contaminated Soils (Ext) COMPLIANCE AND BUSINESS IMPACT CHAR	OA	100.00 0.00			
						Total	

I hereby certify that this load does not contain any unauthorized hazardous waste.

**CUSTOMER COPY** 

Paid

Change Check# Recpt #

SIGNATURE:



1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Ernergency Response	e Phone	4. Waste Ti	acking Nu	14106280
	5. Generator's Name and Mail	ing Address	:	Generator's Site Address	s (if different th	an mailing addre	ess)	
		555 N. Old Woody	rard Ave		San	HE		
		Birmingham MI 48	0009					
	Generator's Phone: 6. Transporter 1 Company Na	-				U.S. EPA ID	Number	<u>,                                     </u>
	,	1 M t ivlicinicital	-586-489-(2041			1		
	7. Transporter 2 Company Na	me				U,S. EPA ID	Number	
	8. Designated Facility Name a		040	412-0691		U.S. EPA ID	Number	· · · · · · · · · · · · · · · · · · ·
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ARBOR HILLS LANDFILL 10690 W SIX MILE RD NORTHVILLE, MI 48168 SITE CELL TICKET # **OPERATOR** 8884431717 1880786 01 43967 TRUCK CONTAINER LICENSE 004240 HM122-30 HM ENVIRONMENTAL (AT) 42826 NORTH WALNUT ST REFERENCE IN CLINTON TOWNSHIP, MI 48036 INVOICE 3/23/18 INBOUND 14106281 2:20 pm **GROSS** 100,440,00LBS Scale In CONTRACT: AH8807 - VACANT LOT 856 N OLD WOODWARD AVI TARE NET 42,120.00LBS Tare Out 58,320.00 LBS BOL: QTY UNIT DESCRIPTION ORIGIN RATE TAX TOTAL TN 29.16 Contaminated Soils (Ext) OA 100,00 1,00 COMPLIANCE AND BUSINESS IMPACT CHAR 0.00

> Total Paid

> > Change

Check#

Recpt #

**N.** 

SIGNATURE:\_

I hereby certify that this load does not contain any unauthorized hazardous waste.

**CUSTOMER COPY** 

OUT:

3/23/18

2:20 pm



<b></b>	١	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of				4. Waste Tra		mber	a de la companya de l
	5, G	enerator's Name and Maili	ng Address			Generator	's Site Address	(if different t	han mailing addre	ss)		
$\  \ $		•	855 N. Old Woo	dward Ave				5311	he			
$\  \ $												
		erator's Phone:	Pirmingham M.						ILO EDITE:	1		
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	8. D		rbor Hills Landfill		248-	112-06	91					
			V. 6 Mile Road					ME	114-185-4	16		
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	18.	Desiganted Facility Owner	or Operator: Certification of receip	t of materials covered by the	manifest excep	t as ŋoted i	n Item 17a	\ \ \ \ \ \	· ·		7	
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TRANSPORTER RETAIN

# HM Environmental

## **Daily Service Receipt**

42826 N. Walnut - Mt. Clemens, MI 48043

Services, I	nc		Pł	none (586) 469	-0041 – Fax (	586) 469-1014
Customer:	Generator:			, Date:	3/26/2018	
FLS PROPERTIES, LLC	THE PEARL	BLDG		Order #:	2/50/5010	•
40700 Woodward Suite 250P.O.	i i	N. OLD WOO	IDWARD	PO #:		
Bloomfield Hills,MI - 48304		M,MI 48071		Approval #:	M1687-1811	Ø6-AH88Ø7-5:
040 500 4404	JAMIE ANT 810-734-0			Waste Stream: Disposal Site:	NON HAZAKU ADUANCED D	1005 SUIL
248-680-1401	810-734-0	37 W		Shop Time:	06:00 AM	TOPCONE
		247 mm		Site Time:	07:00 AM	
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7100 PM	AM PM	AM	AM	AM PM	AM
519M - EXCAVATOR	AM 11 PM	AM PM	AM	AM	AM PM	AM
	AM.	AM	AM	AM	AM PM	AM
520M - DOZER	PM AM	(Alm	AM	AM	AM	AM AM
17 - 2017 FORD F-250	(A)	7:00 PM AM	ÀM	AM	PM AM	4 6 7 1
528M - EXCAVATOR	7:00 PM	PM	PM	PM	PM	3:00 PM
Manifest #:			Waste Qty	y:	0	r
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM	AM	AM	AM PM	
	6:00 PM	(AM)	_ AM	AM	AM PM	925
Tom Wichman	AM	AM	, AM	AM	AM PM	9-7-6
<u>Pat Blair II</u>	li PM	AM	AM	- AM	AM	
	PM AM	AM	AM	AM	PM AM	
	PM	<u>PM</u>	PM.	PM	PM	
Suits Boots Glo	oves	Overpacks _	Lat	oels	_ Sorbent Pa	ds
Drums Hoses	Feet	Box Liner	Mile	eage	Fuel	V
			·	\$ 7,00 com	79	
   LOAD OUT NON HAZ SOILS TO AI	OVANCED DISP	OSAL. 1 LO			1	
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V/^	Date		horized Perso		mmen -	2/26/18

#### LOAD AND TIME TICKET

770351

NAME OF CARRIER

LOU'S TRANSPORT INC. 1780 E. Highwood Pontiac, MI 48340

MATE	RIAL	PIT	ICKET NO.		
	! Soil	1/	4106	12-8	8
			8-8-1	03	<u> </u>
A Line	TRUCK NO.	17-159	2	ATE //	26/ y
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SE	TO (UNLOADING PLACE) ABVANICE		POSA	L <sub>in</sub>	1. (45) 1. (45)
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706		HOURLY BAT		RATE	CHAR
SECTION 3	TIME START	HOURLY RAT		RATE	CHAR
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706	TIME  REGULAR START FINISH OVERTIME START	HOURLY RAT		RATE	CHAR

2-SHIPPER'S COPY



	NON-HAZARDOUS	1. Generator ID Number	2. Page 1 or	3. Emergency Respons	e Filone	4. Waste i	racking Nu	14106282
	WASTE MANIFEST  5. Generator's Name and Mai	ling Address		Generator's Site Addres	ss (if different th	an mailing addr	ess)	ato 100 at a test had been hid free
	o, denerator surame and Mar		i k		lia i			
		856 H. Old Woodwa				- ta		
	Generator's Phone:	Furningham MI ASK	.\$* <del>.</del> }			IIO EDA ID	Number	
	6. Transporter 1 Company Na		e real desire reals a c			U.S. EPA ID	Number	
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I RANSPORIER	14. GENERATOR'S/OFFER marked and labeled/place Generator's/Offeror's Printed  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed  Transporter 2 Printed/Typed  17. Discrepancy 17a. Discrepancy Indication	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condity.  Typed Name  Import to U.S.  ports only):  ment of Receipt of Materials  Name  Space  Quantity  Quantity	at the contents of this consignment at tion for transport according to applied by the state of t	cable international and n gnature  U.S. Port of Date let gnature  Residue	entry/exit:aving U.S.:	nental regulatio	iejection	Month Day Year  Month Day Year  Month Day Year
TRANSPORTER	14. GENERATOR'S/OFFER marked and labeled/place Generator's/Offeror's Printed  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed  Transporter 2 Printed/Typed  17. Discrepancy 17a. Discrepancy Indication	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condity.  Typed Name  Import to U.S.  ports only):  ment of Receipt of Materials  Name  Space  Quantity  Quantity	at the contents of this consignment at tion for transport according to applied by the state of t	cable international and n gnature  U.S. Port of Date let gnature  Residue	entry/exit:aving U.S.:	nental regulatio	iejection	Month Day Year    Month Day Year   Month Day Year   Full Rejection
TRANSPORTER	14. GENERATOR'S/OFFER marked and labeled/place Generator's/Offeror's Printed  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed  Transporter 2 Printed/Typed  17. Discrepancy 17a. Discrepancy Indication	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condity.  Typed Name  Import to U.S.  ports only):  ment of Receipt of Materials  Name  Space  Quantity  Quantity	at the contents of this consignment at tion for transport according to applied by the state of t	cable international and n gnature  U.S. Port of Date let gnature  Residue	entry/exit:aving U.S.:	nental regulatio	iejection	Month Day Year    Month Day Year   Month Day Year   Full Rejection
TRANSPORIER	14. GENERATOR'S/OFFER marked and labeled/place Generator's/Offeror's Printed  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed  Transporter 2 Printed/Typed  17. Discrepancy 17a. Discrepancy Indication	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condity.  Typed Name  Import to U.S.  ports only):  ment of Receipt of Materials  Name  Space  Quantity  Quantity	at the contents of this consignment at tion for transport according to applied by the state of t	cable international and n gnature  U.S. Port of Date let gnature  Residue	entry/exit:aving U.S.:	nental regulatio	iejection	Month Day Year    Month Day Year   Month Day Year   Full Rejection
DESIGNATED FACILITY TRANSPORTER INT'L	14. GENERATOR'S/OFFER marked and labeled/place Generator's/Offeror's Printed  15. International Shipments Transporter Signature (for ex 16. Transporter Acknowledge Transporter 1 Printed/Typed  17. Discrepancy 17a. Discrepancy Indication  17b. Alternate Facility (or General Indication)  17c. Signature of Alternate Facility's Phone:	DR'S CERTIFICATION: I hereby declare tha arded, and are in all respects in proper condity.  Typed Name  Import to U.S.  ports only):  ment of Receipt of Materials  Name  Space  Quantity  Quantity	the contents of this consignment at tion for transport according to appliation for transport according to a construct acco	cable international and n gnature  U.S. Port of Date le: gnature  Residue  Manifest Reference	entry/exit:aving U.S.:	nental regulatio	iejection	Month Day Year    Month Day Year   Month Day Year   Full Rejection

#### LOAD AND TIME TICKET

770353

NAME OF CARRIER

LOU'S TRANSPORT INC.

1780 E. Highwood Pontiac, MI 48340

Phone: (248) 332-5687 Fax: (248) 334-9566

	RIALS	216	PIT	TICKET NO.	22	73
-						
	TRUCK NO.	Pa	10B NO.	1501	ONTH / D	Z / YEAR
	CUSTOMER H M	ENV	12	Nm	-Te	7/
SECTION .	FROM (LOADIN	IG PLACE)	3. W	, , 1	1-NO	
SEC	TO (UNLOADIN	G PLACE)		) /	7	<del>ーーー</del>
	150)	TONS		<u> </u>	ARDS	
SEC. 2	LOAD NO.	LOADED MILES	-	RATE	CH/	ARGES
SE						
		° (FOR HOU	RLY RA	TED HAULS)		
3				HOURS	RATE	CHARGE
SECTION 3	REGIII AR	TART INISH				
SE(	OVERTIME	START START				
SECTION 4	DRIVER'S SIGI	NATURE	No.			>
SECT	CUSTOMERS	GNATURE ALLI	Ī			



$ \uparrow $	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response	Phone	4. Waste T	racking Nu	mber		
	5. Generator's Name and Maili	Ing Address		Generator's Site Address	(if different tha	an mailing addr	ess)			
		855 M. Old Woodward	Respon		Sabili	111				
		Similaghain Mi 48009	· • » • ·							
	Generator's Phone: 6. Transporter 1 Company Nar					U.S. EPA ID	Number			
	1	The HW I will entochial - 386	F-459-(2041							
	7. Transporter 2 Company Nar					U.S. EPA ID	Number			
		LON Allers				U.S. EPA ID	Number			
	8. Designated Facility Name ar	nd Site Address Arbor Hills Landfill	248-	412-0691		U,U, LI A ID				
	10690 V	N. 6 Mile Road			MIK.	114-135-	116			
	Northvil Facility's Phone:	lle, MI 48168	* w.,						· ·	
	9. Waste Shipping Nam	ne and Description		10. Contai		11. Total	12. Unit			
		to and 5 coorpast.		No.	Туре	Quantity	Wt./Vol.			
OR	1.			00i	or l	29	T			
RAT	2.	กับเลรียน วิเลย์								
GENERATOR										
١	3.									
-	4.						1			
	5.									
	6.		e.							
	13. Special Handling Instruction	ons and Additional Information						F. 670 BS 4-758-4-758.	294442265 <u>3</u>	- 23 0 CP
	14 CENEDATOR'S/OFFERO	OR'S CERTIFICATION: I hereby declare that the orded, and are in all respects in proper condition for	contents of this consignment a	are fully and accurately des cable international and nati	cribed above onal governm	by the proper sental regulation	shipping nan	ne, and are classifi	ed, packa	ged,
	Generator's/Offeror's Printed/1	Typed Name	Sig	gnature				Month	Day	Year
¥	10					2.			À G	18
INT'L	15. International Shipments	Import to U.S.	Export from U	U.S. Port of en	try/exit:					
	Transporter Signature (for exp	JOHS OHly).		Date leav	ing U.S.:					
TRANSPORTER	Transporter 1 Printed/Typed N		Sig	gnature				Month	Day	Year
SPO	The state of the s	and the second second		<u> </u>		name of the second		Month	Day	/.3 Year
PAN	Transporter 2 Printed/Typed N	lame	Sig I	gnature				iviontn 	l Day	ાઇલા
F	17. Discrepancy									·
↑	17a. Discrepancy Indication S	Space O	Туре	Residue		Partial R	eiection		Full Rejec	tion
		Quantity	INHO	i lealude			_,,	<u> </u>		
				Manifest Reference	lumber:	U.S. EPA II	) Number			
Įξ	17b. Alternate Facility (or Gen	ierator)				0.0. LI A IL	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
-AC	Facility's Phone:									
	17c. Signature of Alternate Fa	acility (or Generator)			······			Month	Day	Year
NAT							. Sharasa			1
DESIGNATED FACILITY										
		r or Operator; Certification of receipt of materials						Month	n Day	Year
	Printed/Typed Name		Si	ignature ·				WIOTH	. <i>Duy</i> I	



Customer

## **Daily Service Receipt**

Date: 3/26/2018   Order #: 3/26/2018   Order #: 40700 Woodward Suite 250P. D. BOX 689856 N. OLD WOODWARD   BIRMINGHAM, MI 48071 - JAMIE ANTONEWIECZ   B10-734-0975   Start   Arrive   Depart   Disposal Site: ADVANCED DISPOSA   Site Time: 07:00 AM   AM   AM   AM   AM   AM   AM   AM
EQUIPMENT  Start Arrive Site Site Disposal Disposal Tin  AM A
Time   Site   Disposal   Disposal   Tine   AM
PM
AM
AM
AM AM AM AM AM AM AM PM
AM AM AM AM AM AM AM PM
PM
Start Arrive Depart Finish De
Time Site Time Die
AM         AM         AM         AM           OU'S TRUCKING         PM         PM         PM         PM
AM AM AM AM AM AM PM PM PM PM PM
AM         AM         AM         AM           PM         PM         PM         PM
AM AM AM AM AM
PM         PM         PM         PM         PM           AM         AM         AM         AM         AM
PM  PM  PM  PM  PM
uits Boots Gloves Overpacks Labels Sorbent Pads
rums Hoses Feet Box Liner Mileage Fuel

**Authorized Personnel** 

Date

#### HM Environmental Services, Inc

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

5

Service	es, inc		P	hone (586) 469	9-0041 – Fax (	586) 469-1014
Customer:	Generator:			N-1	3/27/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 2 Bloomfield Hills,MI - 248-680-1401	50P.O. BOX 689856	N. OLD WOO M,MI 48071 ONEWIECZ		Approval #:	NON HAZARDI ADVANCED D	
	Start	Arrive	Depart	Arrive	Depart	Finish
EQUIPMENT -515 M - BOB CAT	Time	Site	Site	Disposal	Disposal	Time
519M EXCAVATOR	7:00 PM		AM PM	PM	AM PM	AM 11:45 PM
- 913N - EYPHALLOW	AM III PM		AM PM		AM PM	AM \
- 520M - DOZER	AM	AM	AM	AM	AM	NA I
17 - 2017 FORD F-250	PM	CAMA	(AM)	AM	PM AM	PM AM
528M - EXCAVATOR	G CO PM	7.00 PM	III AS PM		PM AM	271
The bad of the first and the f	7,00 PM	PM			PM	11:45 PM
Manifest #:			Waste Qt	y:		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM		AM PM		AM PM	
Tom Wichman	(ÁM	(ATA)	MAX	AM	AM	(2)
Pat Blair II	5:30 PM	AM.	AM	AM AM	/AM	1
	6:00 PM	l' PM	il PM		VPM AMT	
	PM	PM	PM	PM	PM	
	AM PM		AM PM	AM PM	AM PM	
Suits Boots	Gloves	_ Overpacks _	Lal	oels	_ Sorbent Pac	ds
Drums Hoses	reet	Box Liner	IVIII	eage	ruei	
LOAD OUT NON HAZ SOILS	TO ADVANCED DISP	OSAL. 1 LO	U'S LEAD R	UNNING		
COMMENTS	X	<b>\$</b> 4.	co compar	ny ceird for	- parking	
	* Raincelout		·			
	Hardman's cr	iane was s	till gown	when I la	eft site o	ut
	* site meeting	about jolo	Scope			
Roll-off Unit#	Tarp/Bows/Caps/Fitting	s received in go	od working orde	er	(int.)	
All work has been completed to					<u> </u>	
11/4		_	1	is West		2/2/10
Customer	Date	Aut	norized Perso	ערוליט ואי nnel	D D	2/ / // 8

Shipping Log
The Pearl Birmingham,MI

	NON-	200-1- 1772	きが	とっかった	SUST.				·	
	7:25/HW	10:05.41	12,529AM 1AP	7,20,m	10:50 AW					
AMOUINT		297	797	29T	29T	• .,				
Truck#	122	122	122	087	087	,				
Trucker	HME	HME	HME	Lou's	<i>L</i> ou's					
Manifest/Ticket#	14106279	08E901HI	182901h1	14106382	14106383					
Load #	j	7	3		2					
Date	3/23/18			3/20/18						



42826 N. Walnut -- Mt. Clemens, MI 48043

Services, Ir	nc	West of the second seco	Pl			586) 469-1014
Customer:	Generator:			Date: Order #:	3/28/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304	1	N. OLD WOO 4,MI 48071		PO #: Approval #: Waste Stream:	ette Wobv	
248-680-1401	810-734-0°				NOT APPLIC 06:00 AM 07:00 AM	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM	AM PM	AM
519M - EXCAVATOR	AM I PM	AM PM	AM	AM	AM PM	
520M - DOZER	// AM PM	~ AM PM	AM PM	AM PM	AM PM	
17 - 2017 FORD F-250	COO PM	7:00 PM	3:00 em	AM ) PM	AM PM	41:00 PM
528M - EXCAVATOR	7:00 PM	AM PM	AM PM		AM PM	3!00 PM
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM	AM PM	AM PM	
Tom Wichman	GOO PM	7:00 PM		4:00 em	AM PM	404
Pat Blair II	IN PM	{\ PM	I\ PM	3:30 PM	AM( PM	9,50)
	AM PM	AM PM	AM PM		AM PM	
	AM PM	AM PM	AM PM		AM PM	
Suits Boots Glov	es	Overpacks _	Lab	oels	_ Sorbent Pac	ds ab
Orums Hoses F	eet	_ Box Liner	Mile	eage	Fuel	
			B.	7100 dollars	s on comp	any cord
WORK ON SITE TO ASSIST HARTMA	h.i			for parkl		'
WORK ON STILL TO TISSIST THREE				·	,	
COMMENTS	5. 561	to me	9 610	al companie	Lood soil	
continued to me continued to me continued to que	allo franci	drillan	grave an	ic compace	TON SOLL	
the antiqued to	mole Floo					
- CONTINUES TO q	Vacic 1 100	•				
Roll-off Unit# Tarp/Bo	ws/Caps/Fittings	received in goo	od working orde	r	(int.)	
All work has been completed to my satis	faction.		Λ		.1	
1)/1			1 dinn	an 1.1.	Unem -	3/20/18
Customer / Customer	Date	Auti	horized Persor	nnel	D	ate

#### HM Environmental Services, Inc

## **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

Services, I	nc		Ph	none (586) 469	-0041 – Fax (	586) 469-1014 
Customer:	Generator:			Date:	> /OD /OD 1	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOO M,MI 48071 DNEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:	3/29/2018 SITE WORK NOT APPLIC 12:00 AM 07:00 AM	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7.00 PM	AM	AM PM	AM PM	AM PM	4:00 PM
519M - EXCAVATOR	AM i i PM	AM PM	AM PM	AM PM	AM PM	AM N PM
520M – DOZER	MA / J	_ AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	11130 AM	17,100 PM	4:00 EM	AM PM	AM PM	AM PM
528M - EXCAVATOR	AM PM	AM PM	AM PM	AM PM	AM PM	· ' AM PM
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM PM	AM PM	AM PM	AM PM/	
Tom Wichman	11:30 PM		4:00 B	4:00 PM	AM PM	4,50)
Pat Blair II	630 PM	AM PM	\\ PM	۱۱ AM PM	AM PM	9.50
	AM PM AM	AM PM AM	AM PM AM	AM PM AM	AM PM AM	
-	PM		PM	PM	PM	
Suits Boots Glov	/es	Overpacks _	Lab	els	_ Sorbent Pac	ds
Drums Hoses I	Feet	_ Box Liner	Mile	age	Fuel	
WORK ON SITE WITH HARTMAN.	Pot	Blow Ir.	chrove eer	rsonal tru	nck to six	re
comments  * showed up to  a fixushing with  chozer on ram  * moved excess  * starting to a	th water at polls from	- bottom o	frame tre to stackell	roping HM:		
	ows/Caps/Fitting	s received in go	od working orde		(int.)	
All work has been completed to my satis	staction.			, , /)	)	11/~

Date

Customer



Services,	Inc					586) 469-1014
Customer:	Generator:			Date:	3/30/2018	
FLS PROPERTIES, LLC	THE PEARL			Order #:	3/30/2010	
40700 Woodward Suite 250P.( Bloomfield Hills,MI - 4830		N. OLD WOO M,MI 48071		PO #: Approval #:		
·	JAMIE ANTO	ONEWIECZ		Waste Stream:		7D) E
248-680-1401	810-734-0	3/3		Shop Time:	NOT APPLIC 06:00 AM	HOLE
				Site Time:	07:00 AM	
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 PM	AM PM	AM PM	AM PM	AM PM	12:30 PM
519M - EXCAVATOR	AM t DM	AM PM	AM PM	AM PM	AM PM	AM
520M - DOZER	I AM	PM	AM PM	AM PM	AM PM	PM
17 - 2017 FORD F-250		7:00 PM	12:30 PM		AM PM	1:30 em
528M - EXCAVATOR	7:00 PM	AM PM	AM PM	AM PM	AM PM	12/30 PM
Manifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM	AM PM	AM PM	AM PM	
Tom Wichman	CAN		<u>A</u> M	AM	AM PM	7.50
Pat Blair II	AM Li PM	AM AM	AM 1 ( PM	AM II PM	AM <sup>a</sup> PM	7,500
	AM PM	PM)	AM PM	AM PM	AM PM	
	AM PM				AM PM	
Suits Boots G	iloves	Overpacks	Lab	oels	_ Sorbent Pac	ds
Drums Hoses	Feet	Box Liner	Mile	eage	Fuel	
			4 1.	o compani	Colver	v farking
CONTINUE WORKING WITH HARD	MAN MOVING SO	ILS.				
COMMENTS , ,		0 141				
COMMENTS  * cleaned u  * attempted 1  * starting to  * brought 4"	e soil from	n osnilling	ade Elpan	C		
* attempted	ro clear up 3	com for	r excess si	il	$^{\wedge}$	
a providing to	nume back	to yeared	C/C/4	•		
· · · · · · · · · · · · · · · · · ·	Prairie -	( )				
Roll-off Unit# Tark	o/Bows/Caps/Fitting	s received in go	od working orde	r	(int.)	
All work has been completed to my s	atisfaction.		-			***************************************
			1	1 Weeks	7	2/2/2
Customer	Date	Aut	horized Persoi	<i>nnel Tulks</i>	D	> <i>  50   18</i> Pate

Customer

#### HM Environmental Services, Inc

Customer

# **Daily Service Receipt**

42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

	Service	s, In	C				F	Phone (586) 46	9-0041 – Fax (	(586) 469-1014
Customer:			Genera	itor:				→ Date:	4/2/2018	
40700 Woo	RTIES, LLC dward Suite 25 d Hills,MI - 4		BIRMIN	856 IGHAN ANT(	N. OLD WO 1,MI 48071 ONEWIECZ			Order #: PO #: Approval #: Waste Stream	#7272016 SITE WORK NOT APPLIC 06:00 AM 07:00 AM	ABLE
	EQUIPMENT		Star		Arrive Site		Depart Site	Arrive Disposal		Finish Time
515 M - B	OB CAT		7:00	(AM) PM	A	M M	AN . PM	1 AM	AM	AM
519M - EX	(CAVATOR		1.00	AM PM	_ Al	М	AM PM	1 AM	AM	AM
520M - DC	IZER			AM PM	Al	М	AN PN	I AM	AM	AM
17 - 2017	7 FORD F-250		6:00	(AM) PM	7:∞ A	N N	3:00 PM	I AM D PM	PM	AM
528M - EX	CAVATOR		7:00	AM PM	Al Pi		AM PM	I] AM		
Manifest #:							Waste Q	ty:		
SIT	E PERSONNEL		Start Time		Arrive Site		Depart Site	Finish Time	Air Time	Per Diem
				AM PM	Al Pi		AN PM	I AM		
Tom Wichm	ıan		6:00	AM PM	A	М	3.500 (PN	1 4:60 PM	AM PM	(1)
Pat Blair	· II		V	AM PM	)) Al	M M	AN IJ PM	I AM	PM	(10)
				AM PM	A P	М	AN PN	I PM	PM	
				AM PM	Al Pl	M M	AM PM			
Suits	Boots	Glove	es		Overpacks		La	bels	_ Sorbent Pa	ds
Drums	Hoses	Fe	eet		_ Box Liner	<b>,</b>	Mi	eage	Fuel	**************************************
WORK ON S	SITE WITH HARTM	MAN MOV:	ING SOI	LS.			\$ 7.	oo compan	y cand fo	n panking
COMMENTS	* comsolidal  * spread oul  * graded fl  * moved M	ted dil t exces loor of alths fo	nt from is dirt excara or Han	n di bui Hor dime	nilling Iding up I to keep	<b></b> •(∨	rade to to	ry and lo	ose some d	h-
Roll-off Unit#		Tarp/Bov	vs/Caps/F	ittings	received in g	100	d working orde	er	(int.)	
All work has b	peen completed to	my satisfa	action.		**.	Marin .	1 henn	us 1) u	Anun	4/2/18

Date

**Authorized Personnel** 

Date /



42826 N. Walnut - Mt. Clemens, MI 48043

Services, Ir	1C		Ph			586) 469-1014
Customer:	Generator:			, Date:	4.77.7001.0	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	1	N. OLD WOO M,MI 48071 ONEWIECZ		Order #: PO #: Approval #: Waste Stream	4/3/2018 SITE WORK NOT APPLIC 06:00 AM 07:00 AM	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7:00 PM		AM PM	AM PM	AM PM	AM
519M - EXCAVATOR	AM  \ PM		AM PM	AM PM	AM PM	315 PM AM 1 PM
520M – DOZER	AM PM	PM	AM PM	AM PM	AM PM	I AM PM
17 - 2017 FORD F-250	6:00 PM	(1/OC) PM	3:15 (PM)	AM PM	AM PM	4:30 (B)
528M - EXCAVATOR	7:00 PM	AM PM	AM PM	AM PM	AM PM	ا 🚓 ، ، د 🗚 ا
Manifest #: Waste Qty:						
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM	AM PM	AM PM	AM PM	
Tom Wichman	6:00 PM	7:00 PM	AM	4130 PM	AM	1258)
Pat Blair II	\ AM PM	) \ AM PM	IN PM	41:00 PM	AM PM	(10)
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM · PM	AM PM	AM PM	AM PM	AM PM	
Suits Boots Glove	es	Overpacks	Lab	els	_ Sorbent Pac	is
Drums Hoses F	eet	_ Box Liner	Mile	eage	Fuel	
ASSIST HARTMAN WITH MOVING SO	ILS ON SITE	Ē.	# )	5,00 compound	pany care	d for
COMMENTS  * Consolidated di  * moved Mat's for  * cleaned up grad  * demoted Dozer of  * Handman drille  out of the groun	e of exca off site and din Cent	vention nd back er of site	to HM's o	lard.	'	ning yo
Roll-off Unit# Tarp/Box	ws/Caps/Fittings	s received in goo	d working order		(int.)	
All work has been completed to my satisf	action.	•	4		0	
Customer / A	Date	Auth	M.m.a.	s Wuk	num <u>'</u> Di	-1/3/18 ate



42826 N. Walnut - Mt. Clemens, MI 48043

341L - LOW BOY TRAILER (RGN)   EXCAV.   AM	
EQUIPMENT   Start   Site   Site   Disposal   Disposal	
Time Site Site Disposal Disposal  109 - KENWORTH TRACTOR  1130 PM	Finish
Travis Howard   Travis Howar	Time
341L - LOW BOY TRAILER (RGN)   EXCAV.   PM   PM   PM   PM   PM   PM   PM   P	OU PM
Size	AM PM
AM A	AM PM
Manifest #:  Waste Qty:  Start Time Site Site Site Time Air Time Time Air	AM
Manifest #:  SITE PERSONNEL  Start Time Site Depart Time Air Time  Travis Howard  AM A	PM AM
SITE PERSONNEL  Start Time Site Site Site Site Site Site Site Sit	<u>PM</u>
Travis Howard    130   AM   12.45   AM   1.15   AM   3.00   PM   PM   PM	Per
Travis Howard  (1.36 PM 16.43 (PM) 1.13 (PM) 3.50 (PM) PM  AM AM AM AM AM AM  PM PM PM PM PM PM  AM AM AM AM AM  PM PM PM PM PM PM  AM AM AM AM AM  AM AM AM  AM AM AM AM  AM AM AM  AM AM AM  AM AM AM  AM AM AM  AM AM AM  AM	Diem
PM         PM         PM         PM         PM           AM         AM         AM         AM         AM           PM         PM         PM         PM         PM           AM         AM         AM         AM         AM           PM         PM         PM         PM         PM           AM         AM         AM         AM         AM	500
PM         PM         PM         PM         PM           AM         AM         AM         AM         AM           PM         PM         PM         PM         PM           AM         AM         AM         AM         AM	*****
PM         PM         PM         PM         PM           AM         AM         AM         AM         AM	
PM PM PM PM PM PM PM	
Suits Boots Gloves	
Drums Hoses Feet Box Liner Mileage Fuel 27	/
DEMOBILIZE DOZER #520 AND BRING BACK TO THE YARD.	
COMMENTS	
Roll-off Unit# (int.)	
Roll-off Unit# Tarp/Bows/Caps/Fittings received in good working order (int.)  All work has been completed to my satisfaction.	



Customer:	Generator:			. Date:	عدد سريسرو و و و	
FLS PROPERTIES, LLC 40700 Woodward Suite 29	t e e e e e e e e e e e e e e e e e e e	N. OLD WOO		Order #: PO #: Approval #:	4/4/2018	
Bloomfield Hills, MI -	JAMIE ANT	M,MI 48071 ONEWIECZ		Waste Stream	SITE WORK	
248-680-1401	810-734-0	975		Disposal Site: Shop Time: Site Time:	NOT APPLIC 12:00 AM 07:00 AM	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
515 M - BOB CAT	7100 PM	AM	3 AM	AM PM	AM PM	
519M - EXCAVATOR	AM ), PM	AM	AM PM	AM PM	AM PM	(1)
<del>500M - DOZER</del>	/\ AM PM	PM	AM PM	AM PM	AM PM	''
17 - 2017 FORD F-250	6:00 PM	17:00 PM	3:00 PM	AM PM	AM PM	3:30
588M - EXCAVATOR	7:00 PM	AM PM	AM — PM	AM PM	AM PM	3100
fanifest #:			Waste Qty	<b>/</b> :		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM	AM PM	AM PM	AM PM	
Tow Wichman	6.00 PM	7:00 PM	3:00 (PM)	3\3O (PM)	AM( PM	420
Pat Blair II	Î I PM	I) PM	۸M PM	AM i ( PM	AM( PM	
	AM PM	PM	AM PM	AM PM AM	AM PM AM	
	AM PM		AM PM	PM		4
uits Boots	Gloves	_ Overpacks	Lab	oels	_ Sorbent Pac	ds
rums Hoses	Feet	Box Liner	Mile	eage	Fuel	
CONTINUE TO ASSIST HAR	TMAN WITH MOVING	SOILS ON SI	TE. ;			
COMMENTS	eall from dri	lling				
4 Stock piled	l soil from dri o re-quade site	to keep	water fro	im pondin	ic up ano	Å
to held dr	1 out site	1		(	1	
* moved Mat	y out site is for Hardman	n .				
Roll-off Unit#	Tarp/Bows/Caps/Fitting	s received in go	od working orde	r	(int.)	
All work has been completed to		<u>-</u>				
m work has been completed to	my sausiaction.					
in work has been completed to	my saustaction.	-		With	)	/ 1



Services, II	nc					586) 469-1014
Customer:	Generator:			Date:	4/5/2018	Vertical and the second second
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O.	THE PEARL	BLDG	onuann	Order #: PO #:	1,0,5,40	
Bloomfield Hills, MI - 48304	BIRMINGHA	M, MI 48071	 IDMHKD	Approval #:		
248-680-1401	JAMIE ANTO			Waste Stream: Disposal Site:	SITE WÖRK NOT APPLIC	ABLE
				Shop Time: Site Time:	06:00 AM 07:00 AM	
EQUIPMENT	Start	Arrive	Depart Site	Arrive	Depart	Finish Time
515 M - BOB CAT	Time	Site AM PM	AM	<b>Disposal</b> AM PM	<b>Disposal</b> AM PM	AM
519M - EXCAVATOR	7:00 PM	AM PM	AM PM	AM PM	AM PM	, AM
<del>520m - Boz</del> er	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	6:00 PM	7:00 PM	4:00 EM	AM PM		4:00 M
528M - EXCAVATOR	7:00 PM	AM PM	AM PM	AM PM	AM PM	I AM PM
Manifest #: Waste Qty:						
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
	AM PM	AM	AM PM	AM PM	AM PM	
Tom Wichman	6:00 PM		4100 PM	4:00 PM	AM PM	D
Pat Blair II	7:00 AM		II AM	۱۱ AM PM	AM PM	
	AM PM AM	AM PM AM	AM PM AM	AM PM AM	AM . PM . AM	
	PM		PM	PM	PM	
Suits Boots Glov	es	Overpacks _	Lab	els	_ Sorbent Pac	ds at
Drums Hoses F	eet	_ Box Liner	Mile	eage	Fuel	
			Pat bl	is ne nia	rave to si	te
CONTINUE ASSISTING HARTMAN WI	TH MOUTNG 9	antis on st	\$6,00	on compan	y card for	parking
35// 1/32 / 1/32/5/ 1/3/				`	•	. ,
COMMENTS						
« Stock piled soil	From dri	lling		A -		
* Stock piled soil * graded floor of * spread stone or	excavet	ion, clean	ing up av	round Pyli	ટડ	
* Spread stone or	r rango re	ompacted	) 	\ - \i	l	Idue
to survey force  Roll-off Unit# Tarp/Bo	tha to a	o and sto	ckpile of	-2011 ON	west and	10-00
Roll-off Unit# Tarp/Bo	ws/Caps/Fittings	s received in go	od working order	1	(int.)	
All work has been completed to my satis					1	
N16			horized Persor	. 11.		4/01.0
Customer	Date	Aut	horized Persor	inel WL	<i>LUMBY</i> <u> </u>	ate / 5/ 15

# HM Environmental

#### **Daily Service Receipt**

42826 N. Walnut - Mt. Clemens, MI 48043

Services, Ir	10		PI	hone (586) 469		586) 469-1014
Customer:	Generator:			, Date:	4/6/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401	1	N. OLD WOC M,MI 48Ø71 DNEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site: Shop Time: Site Time:	SITE WORK	ABLE
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
519M - EXCAVATOR	7100 PM	AM PM	AM PM	AM PM	AM PM	AM PM
5 <del>20M DOZER</del>	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
17 - 2017 FORD F-250	7.'00 PM	~ AM PM	1):60 PM	AM PM	AM PM	17:30 PM
528M - EXCAVATOR	NI AM	_ AM PM	AM PM	AM PM	AM PM	AM PM
	AM PM	AM PM	AM PM	AM PM	AM PM	AM PM
Manifest #:			Waste Qty	y:		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
Tom Wichman	7:00 PM	AM PM	11:00 PM	AM	AM PM	(5,5)
	AM PM	AM PM	AM PM	AM	AM PM	
	AM PM	AM PM	AM PM	AM	AM PM	
,	AM PM	AM PM	AM PM		AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
Suits Boots Glov	es	Overpacks _	Lat	oels	_ Sorbent Pac	ds
Drums Hoses F	eet	_ Box Liner	Mile	eage	Fuel	/
FINISH UP MOVING SOILS ON SIT	E					
COMMENTS  Welpred Trow's  Cleaned up H  Touched up	s load 3 M's Tools ramp	315 excava Thoses fo	ator to c	demolæ ex	ick to H	M's Shop
Roll-off Unit# Tarp/Bo	ws/Caps/Fittings	s received in god	od working orde	r	(int.)	
All work has been completed to my satisf	faction.				1	
NA			1 hinne	a 1.1111		1/6/18
Customer /	Date	Aut	horized Persoi	nnel	D	ate



42826 N. Walnut – Mt. Clemens, MI 48043 Phone (586) 469-0041 – Fax (586) 469-1014

Services, ir	10		Ph	none (586) 469	-0041 – Fax (	586) 469-1014 
Customer:	Generator:			Date:	4/6/2018	
FLS PROPERTIES, LLC 40700 Woodward Suite 250P.O. Bloomfield Hills,MI - 48304 248-680-1401		N. OLD WOO 1,MI 48071 JNEWIECZ		Order #: PO #: Approval #: Waste Stream: Disposal Site:	DEMOB EXCA	VATOR
				Shop Time:	<del>03:00 PM</del> -10:30 AM	
EQUIPMENT	Start Time	Arrive Site	Depart Site	Arrive Disposal	Depart Disposal	Finish Time
124 403 - KENWORTH TRACTOR	7:30 (AM)		9:00 AM	) AM PM	AM PM	
341L - LOW BOY TRAILER (RGN)	/ AM	( AM PM	( AM PM	PM	AM PM	( AM PM
519M - EXCAVATOR	AM PM	C AM PM	) AM PM	PM	AM PM	
	AM PM	AM PM	AM PM	AM PM	AM PM	
	AM PM	AM PM	. AM PM		AM PM	
Manifest #:		-	Waste Qt	y:		
SITE PERSONNEL	Start Time	Arrive Site	Depart Site	Finish Time	Air Time	Per Diem
-Brian Falecki	AM PM	AM PM	AM PM	P.M.	PM	
Travis Howard	7:30 AM	D' DO BIM	9:00 PM	10.50 PM	PM	(3)
	AM PM	AM PM		PM		
	AM PM	AM PM		PM		
	AM PM	AM PM	AM PM			
Suits Boots Glov	es	Overpacks	Lat	oels	_ Sorbent Pac	ds
Drums Hoses F	eet	_ Box Liner _	Mile	eage	Fuel//	
PICK UP EXCAVATOR FROM SITE A	AND BRING B	ACK TO THE	YARD.			
COMMENTS						
Roll-off Unit#/A Tarp/Bo	ows/Caps/Fitting	s received in ao	od working orde	er	(int.)	
All work has been completed to my satis					· · · · · · ·	

42826 N. Walnut Mt. Clemens, MI 48043 Phone (586) 469-0041 Fax (586) 469-1014

October 19, 2020

Elizabeth Masserang PM ENVIRONMENTAL, INC.

4080 W. Eleven Mile

Berkley, MI 48072 <u>The Pearl cost breakout</u>

#### Dear Elizabeth:

HM Environmental Services is pleased to present the following estimate for your review and consideration.

#### **HAZARDOUS SOIL**

Transport cost\$23.00/ton	Excavation cost	\$ 10,00/ton
1		
Disposal cost	1	

#### **NON HAZ SOIL**

Excavation cost	\$ 5,00/ton
Transport cost	\$ 16.00/ton
Disposal cost	\$15.50/ton

Yours truly,

Bob Mackinder

Bob Mackinder Sales Manager

# **FULL UNCONDITIONAL WAIVER**

My/our contract with FLS Properties #5, LLC	to provide
excavation and disposal of soil for the improvement of the property	described as
856 N. Old Woodward, Birmingham, Michigan (The Pearl)	
	having been
fully paid and satisfied, all my/our construction lien rights against suc	h property
are hereby waived and released.	
HM Environmental Services, Inc.	
(Printed Name of Lien Claim	ant)
(Signature of lien slaimar	nt)
Steve Matthes, President	$\smile$
Signed on: <u>June 26, 2018</u> Address: <u>42826 N. Wal</u>	nut Street
Mt. Clemens, MI 48043	
Telephone: <sup>586-469-0</sup>	)041

DO NOT SIGN BLANK OR INCOMPLETE FORMS. RETAIN A COPY.

#### **Elizabeth Masserang**

From: Janet Boice <JBoice@simonattys.com>
Sent: Monday, December 14, 2020 11:52 AM

**To:** Elizabeth Masserang

**Cc:** Frank Simon

**Subject:** FW: FLS Properties #5, 856 N. Old Woodward, Birmingham, MI

Attachments: HM Environmental invoices #23707 and #23764 (tied in with each other - paid)

(00781565x9C60C).pdf

**Importance:** High

Hello Elizabeth,

Please see attached and email below from HM Environmental regarding the fact that these two invoices were tied together.

We are still working on payment of Douglas Company's change orders 002 and 003. I will forward that information as soon as we receive it.

Janet A. Boice, Assistant to Frank R. Simon FLS Properties #5, LLC PO Box 689 Bloomfield Hills, MI 48303 248 680-1401 248 720-0293 [fax] jboice@simonattys.com

This e-mail contains information which is confidential and/or privileged. If you are not the intended recipient, be

From: Sue Maxwell <sue@hmenvironmental.com> Sent: Monday, December 14, 2020 11:09 AM

advised that any disclosure, copying, distribution or use of this information is prohibited.

Subject: RE: FLS Properties #5, 856 N. Old Woodward, Birmingham, MI

Janet,

Attached is a copy of our Invoice # 23707 and 23764 since the (2) invoices were tied together. I am not sure if they will want a copy of 23764 or if they already have it.

Thanks,

Sue Maxwell
Office Manager
HM Environmental Services, Inc.
586.469.0041

# Invoice

DATE	INVOICE #
11/17/2017	23684

TERMS

REP

R	77.	7.	T	O
				~

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

# SHIP TO

P.O. No.

856 North Old Woodward Birmingham, MI

		F.O. NO.	I ERMS	\ \KEP
			Net 30	RWM
QTY	DESCRIPTION		RATE	AMOUNT
1	10/31/17 Through 11/16/17 Operator & Labo		20,000.00	20,000.00
	site for work to be performed by Hardman (	Construction		
	Visqueen Rolls (3 mill)		75.00	1,500.00
80.93	Stone (1x3 Crushed Concrete)		25.95	2,100.13
<i>54.56</i>	Stone (21AA Crushed Concrete)		23.15	1,263.06
	·			
				( )
		TOTAL		\$24,863.19

# Invoice

DATE	INVOICE #
11/22/2017	23707

BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO

856 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
625	11/27/17 Excavate, transport and dispose of hazardous soil	160.75	100,468.75
	THE 625 TONS ON THIS INVOICE WAS ALSO BILLED ON INVOICE # 23764. WE REMOVED 625 TONS ON INVOICE # 23764 AND TOOK OFF THE CREDIT OF \$75,000.00 FROM # 23764 AS WELL SINCE THAT \$75,000 WAS APPLIED TO THIS INVOICE. THEREFORE, THE PAYMENT OF \$330,386.14 WAS APPLIED TO THIS INVOICE AND # 23764. \$25,468.75 WAS USED FOR THIS INVOICE AND THE REMAINDER OF THE PAYMENT ON # 23764.		

TOTAL

\$100,468.75

Payments/Credits	-\$100,468.75
Balance Due	\$0.00

# Invoice

DATE	INVOICE #
12/11/2017	23764

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
	11/17/17 Through 12/08/17 (Progress Billing)		
1,618.88	Excavate, Transport and Disposal of Hazardous Soil to Wayne	160.75	260,234.96
	Disposal		
1,200.04	Excavate, Transport and Disposal of Non Hazardous Soil to	36.50	43,801.46
	Advanced Disposal		
1	Visqueen (1) Roll - (10 mill)	240.00	240.00
24.7	Stone (1X3) Crushed Concrete	25.95	640.97
	SEE INV # 23707 FOR NOTES. ALREADY BILLED 625 TONS ON INV # 23707 AND PAYMENT OF \$75,000.00 WAS APPLIED TO INVOICE # 23707 AS WELL		

Payment is net 30 days, interest of 1.5% per month there after. Additional disposal charges may be required for off-spec material, sludges and washouts. Please note if paying by Credit Card there will be a 3.75% processing fee added to invoice total. Please call with any questions 586-469-0041.

Payments/Credits	-\$304,917.39
Balance Due	\$0.00

\$304,917.39

TOTAL

# Invoice

DATE	INVOICE #
1/8/2018	23877

# BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION		RATE	AMOUNT
	12/09/17 Through 12/29/17 (Progress Billing)			and the second s
2,734.06	Excavate, Transport and Disposal of Hazardous Soil	to Wayne	160.75	439,500.15
	Disposal			
5.25	Demurrage at Wayne Disposal 11/29/17 Through 12/0 Prev Billed)	8/17 (Not	95.00	498.75
43	Demurrage at Wayne Disposal 12/08/17 Through 12/2	9/17	95.00	4,085.00
	Excavate, Transport and Disposal of Non Hazardous	l l	36.50	117,253.33
,	Advanced Disposal			
54.63	Stone (1X3) Crushed Concrete		25.95	1,417.65
198	8 Truck Liners - Hazardous Loads Only		40.00	7,920.00
1	Credit due from Previous Invoice (1.5% Discount for	Early -	4,955.79	<b>-4,</b> 955 <b>.</b> 79
	Payment on Invoice # 23764)			
	Discount of \$ 8,485.79 (1.5%) if paid within 15 Days,	with		
	discount please pay \$ 557,233.30		TOWARD BELLIANDED	
			осна досемня денества	
BROWNING COMPANY OF STANFACE AND AN ARCHITECTURE STANFACE AND A		TOTAL		\$565,719.09

# Invoice

DATE	INVOICE #	
2/1/2018	24010	

**TERMS** 

REP

#### BILL TO

FLS Properties #5 LLC P O Box 689

Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO
---------

P.O. No.

865 North Old Woodward Birmingham, MI

			Net 30	RWM
QTY	DESCRIPTION		RATE	<b>AMOUNT</b>
143.09	12/30/17 Through 02/02/18 (Progress Billing) 01/02/18 Excavate, Transport and Disposal of Hazard to Wayne Disposal	ous Soils	160.75	23,001.72
18	01/03/18 Through 01/29/18 Additional Work with Har Construction not in the Original Scope - Northeast & Southwest Wall Extensions		2,500.00	45,000.00
288.26	01/30/18 Excavate, Transport and Disposal of Hazard to Wayne Disposal	ous Soil	160.75	46,337.80
302.75	01/31/18 Excavate, Transport and Disposal of Hazard to Wayne Disposal	lous Soil	160.75	48,667.06
325.21	325.21 02/01/18 Excavate, Transport and Disposal of Hazardous Soil to Wayne Disposal		160.75	52,277.51
340.1	02/02/18 Excavate, Transport and Disposal of Hazard to Wayne Disposal	lous Soil	160.75	54,671.08
56	Truck Liners - Hazardous Loads Only		40.00	2,240.00
		TOTAL	J	\$272,195.17

# Invoice

DATE	INVOICE #
2/9/2018	24049

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

865 North Old Woodward Birmingham, MI

TOTAL

\$88,789.36

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
161.6	02/03/18 Through 02/09/18 (Progress Billing) 02/05/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	25,977.20
157.94	02/06/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	25,388.86
100.97	02/07/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	16,230.93
126.36 02/08/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	20,312.37
22 Truck Liners - Hazardous Loads Only		40.00	880.00
		BOO-Cade Base Market Programmer Commerce Commerc	

# Invoice

DATE	INVOICE #		
2/20/2018	24079		

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

# SHIP TO

865 North Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
10000000	Net 30	RWM

QTY	DESCRIPTION		RATE	AMOUNT
163.95	02/10/18 Through 02/16/18 (Progress Billing) 02/12/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	26,354.96
189.14	02/13/18 Excavate, Transport and Disposal of Hazardo to Wayne Disposal	2/13/18 Excavate, Transport and Disposal of Hazardous Soils Wayne Disposal		30,404.26
238.47	02/14/18 Excavate, Transport and Disposal of Hazardo to Wayne Disposal	1/14/18 Excavate, Transport and Disposal of Hazardous Soils		38,334.05
0.25	Demurrage at Disposal - Truck # 109 (3rd Load)		95.00	23.75
170.16	02/15/18 Excavate, Transport and Disposal of Hazardo to Wayne Disposal	ous Soils	160.75	27,353.22
219.04	219.04 02/16/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	35,210.68
37	37 Truck Liners - Hazardous		40.00	1,480.00
			A proportion of the control of the c	The annual Property Commence of the Commence o
The second of th		TOTAL	1	\$159,160.92

# Invoice

DATE	INVOICE #
2/26/2018	24102

**TERMS** 

**Net 30** 

REP

RWM

\$53,867.35

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

### SHIP TO

865 North Woodward Birmingham, MI

P.O. No.

TOTAL

		Net 50	IXVVIVI
<b>Q</b> TY	DESCRIPTION	RATE	AMOUNT
224.77	02/17/18 Through 02/23/18 (Progress Billing) 02/19/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	36,131.78
85.82	02/20/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	13,795.57
0.5	Stand By Rate - 1/2 Day (Weather Related)	1,000.00	500.00
1	02/21/18 Stand By Rate due to Weather	1,000.00	1,000.00
1	02/22/18 Stand By Rate due to Weather	1,000.00	1,000.00
	02/23/18 Stand By Rate due to Weather Truck Liners - Hazardous	1,000.00 40.00	1,000.00 440.00
11			To the second se
			THE PROPERTY OF THE PROPERTY O
			TANKE
		in the second se	A CONTRACT AND A TOP A CONTRACT AND

# Invoice

DATE	INVOICE #
3/5/2018	24146

### **BILL TO**

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 02/24/18 Through 03/03/18 (Dewatering of Excavation)		
	02/26/18 Supervisor met with PM to discuss Water Removal - NO CHARGE		
1	02/27/18 Delivery and Placement of Stone for Well and Pad	1,650.00	1,650.00
1	Excavation and Placement of Well	1,425.00	1,425.00
1	02/28/18 Site Supervisor - Load Trucks with Ground Water	750.00	750.00
1	Additional Flagger for Truck Traffic	500.00	500.00
1	Daily Pump Rental	450.00	450.00
11.5	Bulk Tanker w/Operator - Transport Ground Water to Disposal	140.00	1,610.00
20,750	Disposal of Non Regulated Ground Water to DART - Manifest #'s 018587690 JJK, 018587693 JJK & 018587691 JJK	0.35	7,262.50
	03/01/18 Supervisor Checking Excavation On Site - NO CHARGE	POLYMAN DOUBLES STATE OF THE ST	

TOTAL

# Invoice

DATE	INVOICE #
3/5/2018	24146

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303 Attn: Frank Simon

#### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

			1.2700	14,41,1
QTY	DESCRIPTION		RATE	AMOUNT
1	03/02/18 Site Supervisor - Load Trucks with Ground W	later	750.00	750.00
1	Additional Flagger for Truck Traffic		500.00	500.00
	Daily Pump Rental		450.00	450.00
<b>5.</b> 5	Bulk Tanker w/Operator - Transport Ground Water to Disposal		140.00	770.00
7,000	Disposal of Non Regulated Ground Water to DART - 1 # 018587692 JJK	Manifest	0.35	2,450.00
			e companie a audici po ca de monero de la monero della monero de la monero de la monero de la monero della mo	
			And Andrews and Andrews Property	
			aut) an exception communication of the communicatio	
		and the second s	A COURT OF THE PARTY OF THE PAR	
			entalized to the contract of t	
			TO COLUMN TO THE PARTY TO THE P	
		The second secon	on minimal of the source of th	
		TOTAL		\$18,567.50

# Invoice

DATE	INVOICE #
3/13/2018	24184

BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 03/04/18 Through 03/13/18 (DeWatering & Hazardous Soil Removal)		
210.11	03/05/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	33,775.18
5	Bulk Tanker w/Operator - Transport Ground Water to Disposal	140.00	700.00
<b>4</b> ,585	Disposal of Non Regulated Ground Water to DART - Manifest # 018587704 JJK	0.35	1,604.75
206.95	03/06/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	33,267.21
1	03/07/18 Stand By Rate (Meeting with Hardman to discuss finishing Hazardous Soil Removal)	1,000.00	1,000.00
428.91	03/08/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	68,947.28
under the control of			

TOTAL

# Invoice

CHARLES AND ADDRESS OF THE PARTY OF THE PART	DATE	INVOICE #
-	3/13/2018	24184

TERMS

REP

### BILL TO

FLS Properties #5 LLC P O Box 689

Bloomfield HIlls, MI 48303

Attn: Frank Simon

#### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.

		1.0.110.	I LIXIMS	IXLI
			Net 30	RWM
QTY	DESCRIPTION		RATE	AMOUNT
178.46	03/09/18 Excavate, Transport and Disposal o to Wayne Disposal	f Hazardous Soils	160.75	28,687.45
204.75	Excavate, Transport and Disposal of Hazard Wayne Disposal	ous Soils to	160.75	32,913.56
0.5	Demurrage On Site - Truck # 129		100.00	50.00
0.5	Demurrage at Disposal - Truck # 129		100.00	50.00
1	Demurrage at Disposal - Truck # 109		100.00	100.00
	Bulk Tanker w/Operator - Transport Ground Water to Disposal		140.00	770.00
4,600	Disposal of Non Regulated Ground Water to # 018587705 JJK	DART - Manifest	0.35	1,610.00
240.36	03/12/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	38,637.87
85.5	5.5 03/13/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal		160.75	13,744.13
154.35	Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal		36.50	5,633.78
<b>54</b>	Truck Liners - Hazardous Loads Only		40.00	2,160.00
**************************************		TOTAL		\$263,651.21

# Invoice

DATE	INVOICE #
3/21/2018	24222

**BILL TO** 

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

**TOTAL** 

QTY	DESCRIPTION	RATE	AMOUNT
and the second of the second	Progress Billing 03/14/18 Through 03/20/18 - (Non Hazardous & Hazardous Soil Removal)		
160.45	03/14/18 Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal	36.50	5,856.43
115.3	03/15/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	18,534.48
113.08	Excavate, Transport and Disposal of Non Hazardous Soils to Advanced Disposal	36.50	4,127.42
118.56	03/16/18 Excavate, Transport and Disposal of Hazardous Soils to Wayne Disposal	160.75	19,058.52
55.62	Excavate, Transport and Disposal of Hazardous Soils to Advanced Disposal	36.50	2,030.13
1	03/19/18 Stockpile and Load out Soil on West Wall for Hardman	2,500.00	2,500.00
2	(2) 55 Gallon Drums - Protect to Pile Caps	56.00	112.00

# Invoice

DATE	INVOICE #
3/21/2018	24222

#### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

#### SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	maraman del Pala Incid Di Sill Balla III. Sill Balla III. Sill Balla III.	RATE	AMOUNT
26.5	Excavate, Transport and Disposal of Hazardous Soils Wayne Disposal	to	160.75	4,259.88
225.4	Backfill - 21AA Crushed Concrete (8 Loads)	TO CAMPAGE OF THE PARTY OF THE	23.15	5,218.01
1	03/20/18 Excavated (2) Holes to Elevation and moved S Southeast Corner to Northeast Corner of Job Site per H	- 1	2,500.00	2,500.00
59.73	Excavate, Transport and Disposal of Hazardous Soils t Wayne Disposal	<b>:</b> 0	160.75	9,601.60
0.25	Demurrage at Wayne Disposal - Truck # 124		100.00	25.00
0.25	Demurrage at Wayne Disposal - Truck # 127		100.00	25.00
	Backfill - 21AA Crushed Concrete (8 Loads)		23.15	5,904.87
11	Liners - Hazardous Loads Only		40.00	440.00
		TOTAL		\$80,193.34

# Invoice

DATE	INVOICE #
4/6/2018	24261

BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION	RATE	AMOUNT
	Progress Billing 03/21/18 Through 04/06/18 (Non Hazard Soil & Assist Hardman Onsite)	ous	
1	03/21/18 Excavate Hole to Elevation and move Stockpile South East Corner for Hardman	e from 2,500.0	0 2,500.00
116.07	Excavate, Transport and Disposal of Non Hazardous So Advanced Disposal	ils to 36.5	4,236.56
192.72	Backfill - 21AA Crushed Concrete (6 Loads)	23.1	5 4,461.47
1	03/22/18 Stockpile Soil out of Hardman's way, Excavate for Pile Caps & Clean up Soil Piles from Drilling	Hole 2,500.0	2,500.00
1	03/23/18 Stockpile Soil for Hardman & Clean up Soils Profession Drilling	iles 2,500.0	2,500.00
86.78	Excavate, Transport and Disposal of Non Hazardous So Advanced Disposal	oils to 36.5	3,167.47
1	03/26/18 Stockpile for Ramp, Re-grade NorthEast Side of Excavation	f 2,500.0	2,500.00
		TOTAL	

# Invoice

DATE	INVOICE #
4/6/2018	24261

### BILL TO

FLS Properties #5 LLC P O Box 689 Bloomfield HIlls, MI 48303

Attn: Frank Simon

SHIP TO

The Pearl Bldg. 856 N. Old Woodward Birmingham, MI

P.O. No.	TERMS	REP
	Net 30	RWM

QTY	DESCRIPTION		RATE	AMOUNT
55.84	Excavate, Transport and Disposal of Non Hazardous S Advanced Disposal	Soils to	36.50	2,038.16
3	03/27/18 Through 03/29/18 Assist Hardman Onsite		2,500.00	7,500.00
0.5	03/30/18 Assist Hardman Onsite		2,500.00	1,250.00
4	03/31/18 Through 04/05/18 Assist Hardman Onsite		2,500.00	10,000.00
<b>0.</b> 5	04/06/18 Finish Onsite Work and Load Equipment		2,500.00	1,250.00
		TOTAL	(	\$43,903.66



FLS PROPERTIES #5 LLC P.O. BOX 689 BLOOMFIELD HILLS, MI 48303	DATE 3-8-21	1312 74-1431/724
PAY PORDER OF PM Environmental, Inc Eight Hundred Three Dollars	75/100-	\$ 803.75
LevelOne FOR Inv. # 96446	Zyl R	Details on base
"OO1312" "O?2414310" 100	0161701	

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PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone: (517) 321-3331

Toll Free: (800) 485-0090 Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, MI 48303 February 25, 2021

Project No:

01-05889-0

Invoice No:

96476

**Invoice Total** 

\$803.75

Project Manager: Elizabeth Masserang

**Brownfield Activities** 

Service Group 0010

856 North Old Woodward Avenue, Birmingham, Michigan

Brownfield Tax Increment Revenue Reimbursement Request

Task	Fee		revious Fee Billing	Cost
Reimbursement Request	5,000.00	99.65	4,178.75	803.75
Total Fee	5,000.00		4,178.75	803.75
	Subtotal			803.75
		Total these Ta	sks	\$803.75
		Total this Serv	vice	\$803.75
		Total this Invo	oice	\$803.75

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

We are committed to providing you with the highest level of service and would appreciate getting feedback on our performance. Please take our brief client satisfaction survey at: https://www.surveymonkey.com/r/pmclient

# Accounts Receivable Ledger

PM Environmental, Inc.

Job-to-Date through 10/24/2020

In	voice	Mod/Receipt Detail	Description 2	Date	Total	
Billing Client Name:	FLS Prope	erties #5, LLC				
Site Address: 856 No				n		
01-05889-0 The Pearl		•	ger: Masserang			
Project Type: Enviro		ervices				
00	073902		Invoice	9/21/2015	14,015.00	
00	73902	Rcpt A112315	ck # 1162	11/23/2015	-14,015.00	
00	77059		Invoice	6/27/2016	5,690.00	
00	)77059	Rcpt A090816	ck# 1187	9/8/2016	-5,690.00	
00	78957		Invoice	10/28/2016	10,000.00	
00	78957	Rcpt A110916	ck# 1198	11/9/2016	-10,000.00	
00	79807		Invoice	1/4/2017	1,500.00	
00	79807	Rcpt A011917	CK # 1117	1/19/2017	-1,500.00	
00	080629		Invoice	2/23/2017	3,750.00	
00	080629	Retainer	Invoice	2/23/2017	-3,750.00	
00	084128		Invoice	11/30/2017	26,595.61	
00	084128	Retainer	Invoice	11/30/2017	-15,000.00	
00	084128	Rcpt A010818	ck # 1244	1/8/2018	-11,595.61	
00	084715		Invoice	1/19/2018	27,064.95	
00	084715	Rcpt A031918	ck # 1269	3/19/2018	-27,064.95	
00	085166		Invoice	3/8/2018	28,402.73	
00	085166	Rcpt A031918	ck # 1269	3/19/2018	-28,402.73	
00	085575		Invoice	4/6/2018	14,613.33	
00	085575	Rcpt A051618	Check#1283	5/16/2018	-14,613.33	
00	087608		Invoice	10/4/2018	7,173.12	
00	087608	Retainer	Invoice	10/4/2018	-5,000.00	
00	087608	Rcpt A101518	Check#1010	10/15/2018	-2,173.12	
00	088529		Invoice	12/20/2018	7,450.00	
00	088529	Rcpt A012419	Check#1028	1/24/2019	-7,450.00	
00	94157		Invoice	6/17/2020	1,250.00	
00	94157	Rcpt A071320	Check #1082	7/13/2020	-1,250.00	
00	94762		Invoice	8/21/2020	3,300.00	
00	94762	Retainer	Invoice	8/21/2020	-1,000.00	
00	094762	Rcpt A090120	Check# 1127	9/1/2020	-2,300.00	
Project Billed					150,804.74	
Project Billed	4				-150,804.74	
Project Retainer					2,500.00	
Project Retained					2,550.00	
Total for 01-05889-0	,~					
Total Billed					150,804.74	
Total Received					-150,804.74	
Total Retainer					2,500.00	
Total Retainage					2,500.00	
Total Retainage						
ıolai						

v7.6.758 (KZEIS) - Page 1 of 1



Mr. Frank Simon September 21, 2015

Project No: FLS Properties #5, LLC 01-05889-0 Invoice No: P.O. Box 689 73902 Bloomfield Hills, MI 48303 **Invoice Total** \$14,015.00

Task	Cost
Mobilization, oversight, and sampling	600.00
Consultant equipment & supplies	575.00
Project management and report	4,250.00
Ground penetrating radar	1,400.00
Geoprobe drilling operations	2,700.00
Laboratory analysis	4,490.00
Total Fee	14,015.00

Subtotal 14,015.00

> **Total this Invoice** \$14,015.00

> > ESA/Baseline Environmental

Assessment

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment. A1 - Phase II

Payments may be made electronically to:

**PNC Bank** Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.



Fax: (877) 884-6775

Mr. Frank Simon June 27, 2016

 FLS Properties #5, LLC
 Project No:
 01-05889-0

 P.O. Box 689
 Invoice No:
 77059

Bloomfield Hills, MI 48303 Invoice Total \$5,690.00

Project Manager: Jamie Antoniewicz

Service Group 0003 856 North Old Woodward Avenue

Task	Cost
Mobilization, oversight sampling	725.00
Consultant equipment and supplies	200.00
Project management and reporting	1,950.00
Drilling and operations	1,975.00
Laboratory analysis	840.00
Total Fee	5,690.00

Subtotal 5,690.00

Total this Service \$5,690.00

Total this Invoice \$5,690.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

B5 - Additional Delineation

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632



Fax: (877) 884-6775

Mr. Frank Simon

FLS Properties #5, LLC

P.O. Box 689

Bloomfield Hills, MI 48303

October 28, 2016 Project No:

Invoice No:

01-05889-0 78957

Invoice Total

\$10,000.00

Project Manager: Elizabeth Masserang

Service Group 0002

856 North Old Woodward Avenue, Birmingham, Michigan

Brownfield Plan Brownfield Plan Change Order 1 381 Work Plan	Cost
Brownfield Plan	6,000.00
Brownfield Plan Change Order 1	2,500.00
381 Work Plan	1,500.00
Total Fee	10,000.00

Subtotal 10,000.00

Total this Service \$10,000.00

Total this Invoice \$10,000.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 C1 - Brownfield Plan/381 Work Plan



Fax: (877) 884-6775

Mr. Frank Simon

FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

January 4, 2017 Project No: Invoice No:

01-05889-0 79807

Invoice Total \$1,500.00

Project Manager: Elizabeth Masserang

Service Group 0002

856 North Old Woodward Avenue, Birmingham, Michigan

Task	Cost
Brownfield Plan	0.00
Brownfield Plan Change Order 1	0.00
381 Work Plan	1,500.00
Total Fee	1.500.00

Subtotal 1,500.00

Total this Service \$1,500.00

Total this Invoice \$1,500.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 C1 - Brownfield Plan/381 Work Plan



Fax: (877) 884-6775

Mr. Frank Simon

FLS Properties #6, LLC P.O. Box 689

Bloomfield Hills, MI 48303

February 23, 2017

Project No: 01-05889-0 Invoice No: 80629

Invoice Total 0.00

Project Manager: Jamie Antoniewicz

Service Group 0004 856 North Old Woodward Avenue, Birmingham, Michigan

Task Cost

Vapor Barrier Work Plan and Meetings 3,750.00
Total Fee 3,750.00

Subtotal 3,750.00

**Additional Fees** 

Check # 1194 10/18/16 -3,750.00

Total Additional Fees -3,750.00 -3,750.00

Total this Service 0.00

Total this Invoice 0.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632 B8 - Vapor Barrier Specs



Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC

P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Soil Excavation

Services from October 1, 2017 to November 17, 2017

Service Group 0005 856 North Old Woodward Avenue, Birmingham, Michigan

Invoice Total \$11,595.61

84128

01-05889-0

November 30, 2017

Project No:

Invoice No:

B6 - Soils Oversight

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Ferreira, Olivia	10/24/2017	2.50	80.00	200.00
Ferreira, Olivia	11/7/2017	.50	80.00	40.00
Ferreira, Olivia	11/8/2017	2.50	80.00	200.00
Ferreira, Olivia	11/17/2017	.50	80.00	40.00
Project Engineer				
Antoniewicz, Jamie	11/1/2017	2.50	120.00	300.00
Antoniewicz, Jamie	11/2/2017	1.00	120.00	120.00
Antoniewicz, Jamie	11/10/2017	2.50	120.00	300.00
Regional Manager - Field Serv	vices			
Lennon, Kelly	10/31/2017	1.25	110.00	137.50
Lennon, Kelly	11/1/2017	2.50	110.00	275.00
Lennon, Kelly	11/3/2017	2.00	110.00	220.00
Lennon, Kelly	11/6/2017	7.00	110.00	770.00
Lennon, Kelly	11/7/2017	9.00	110.00	990.00
Lennon, Kelly	11/8/2017	9.00	110.00	990.00
Lennon, Kelly	11/9/2017	9.00	110.00	990.00
Lennon, Kelly	11/10/2017	7.00	110.00	770.00
Lennon, Kelly	11/13/2017	9.00	110.00	990.00
Lennon, Kelly	11/14/2017	1.50	110.00	165.00
Lennon, Kelly	11/15/2017	1.50	110.00	165.00
Lennon, Kelly	11/16/2017	9.00	110.00	990.00
Lennon, Kelly	11/17/2017	6.50	110.00	715.00
Totals		86.25		9,367.50

9,367.50

Reimbursable Expenses

**Total Labor** 

Meals

11/9/2017 Lennon, Kelly Lunck KL 11.06

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project	01-05	889-0	The Pearl Dev	elopment			Invoice	84128
11,	/10/2017	Lennon, Kelly		Lunch KL			11.06	
	/13/2017	Lennon, Kelly		Coffee			3.27	
Parkir	ng	, ,						
11,	/14/2017	Lennon, Kelly		parking Mete	er Fee		3.45	
11/	/14/2017	Lennon, Kelly		Parking Met			3.45	
11,	/14/2017	Lennon, Kelly		Parking Met			3.45	
11,	/15/2017	Lennon, Kelly		Parking Met			1.15	
11,	/16/2017	Lennon, Kelly		Parking Met			1.15	
11,	/17/2017	Lennon, Kelly		Parking Met			9.20	
		Total Reimbu	rsables	J			47.24	47.24
Additiona	l Fees							
ck # 1	223 10/12/	′17					-15,000.00	
		<b>Total Addition</b>	nal Fees				-15,000.00	-15,000.00
Reimburs	able Expe	nses						
Enviro	onmental S	upplies						
11/	/7/2017	Cicci, Joseph		HAZ site sup	oplies		64.62	
		Total Reimbu	rsables				64.62	64.62
Professio	nal Persor	nnel						
				Но	ours	Rate	Amount	
	Operator							
	hinabarker		10/31/2017		.75	70.00	52.50	
		rvices Division						
	atton, Adar		10/18/2017		.75	200.00	150.00	
	atton, Adar		10/19/2017		.75	200.00	150.00	
	atton, Adar		10/23/2017		.50	200.00	100.00	
	atton, Adar		10/27/2017		.50	200.00	100.00	
	atton, Adar		10/30/2017		.75	200.00	150.00	
	atton, Adar		10/31/2017		1.00	200.00	200.00	
	atton, Adar		11/6/2017	,	1.50	200.00	300.00	
	atton, Adar		11/7/2017		.50	200.00	100.00	
	atton, Adar		11/9/2017	,	1.00	200.00	200.00	
	atton, Adar		11/13/2017		.50	200.00	100.00	
	atton, Adar		11/14/2017	,	1.00	200.00	200.00	
	der and CE							
	ulka, Micha		10/1/2017		.50	200.00	100.00	
	ulka, Micha		10/2/2017		1.00	200.00	200.00	
	ulka, Micha		10/3/2017		1.00	200.00	200.00	
	ulka, Micha		10/4/2017		1.00	200.00	200.00	
	ulka, Micha		10/5/2017		1.00	200.00	200.00	
	ulka, Micha		10/6/2017		1.00	200.00	200.00	
	ulka, Micha		10/9/2017		2.00	200.00	400.00	
	ulka, Micha		10/11/2017		1.50	200.00	300.00	
	ulka, Micha		10/12/2017		2.00	200.00	400.00	
	ulka, Micha		10/13/2017		1.50	200.00	300.00	
	•	e President	40/40/0047		ΕO	200.00	400.00	
	ulka, Micha		10/16/2017		.50	200.00	100.00	
	ulka, Micha		10/17/2017		.50	200.00	100.00	
	ulka, Micha		10/18/2017		.50	200.00	100.00	
	ulka, Micha		10/19/2017		.50	200.00	100.00	
	ulka, Micha		10/24/2017		.50	200.00	100.00	
	ulka, Micha		10/25/2017		.50	200.00	100.00	
	ulka, Micha ulka, Micha		10/27/2017 11/6/2017	•	3.00 .50	200.00 200.00	600.00 100.00	
r.	uina, Milulia	2 <del>0</del> 1	11/0/2017		.50	200.00	100.00	

Project	01-05889-0	The Pearl Dev	elopment		Invoice	84128	
K	Kulka, Michael	11/7/2017	.50	200.00	100.00		
k	Kulka, Michael	11/8/2017	.50	200.00	100.00		
K	Kulka, Michael	11/9/2017	.50	200.00	100.00		
K	Kulka, Michael	11/10/2017	.50	200.00	100.00		
Proje	ct Engineer						
=	Antoniewicz, Jamie	10/5/2017	1.00	120.00	120.00		
A	Antoniewicz, Jamie	10/6/2017	2.00	120.00	240.00		
	Antoniewicz, Jamie	10/9/2017	.75	120.00	90.00		
A	Antoniewicz, Jamie	10/16/2017	1.00	120.00	120.00		
A	Antoniewicz, Jamie	10/18/2017	.75	120.00	90.00		
Δ	Antoniewicz, Jamie	10/20/2017	.50	120.00	60.00		
	Antoniewicz, Jamie	10/23/2017	.50	120.00	60.00		
	Antoniewicz, Jamie	10/26/2017	1.00	120.00	120.00		
	Antoniewicz, Jamie	10/27/2017	.50	120.00	60.00		
	Antoniewicz, Jamie	10/30/2017	4.50	120.00	540.00		
	Antoniewicz, Jamie	10/31/2017	3.50	120.00	420.00		
	Antoniewicz, Jamie	11/1/2017	1.25	120.00	150.00		
	Intoniewicz, Jamie	11/3/2017	1.00	120.00	120.00		
	Antoniewicz, Jamie	11/6/2017	4.00	120.00	480.00		
	Intoniewicz, Jamie	11/7/2017	1.25	120.00	150.00		
	Intoniewicz, Jamie	11/8/2017	4.75	120.00	570.00		
	Intoniewicz, Jamie	11/9/2017	2.00	120.00	240.00		
	Antoniewicz, Jamie	11/13/2017	2.75	120.00	330.00		
	Antoniewicz, Jamie	11/14/2017	1.50	120.00	180.00		
	Antoniewicz, Jamie	11/16/2017	1.00	120.00	120.00		
	Antoniewicz, Jamie	11/17/2017	1.00	120.00	120.00		
	onal Manager / Senior C		1.00	120.00	120.00		
-	Kulka, Michael	11/15/2017	.50	160.00	80.00		
	Kulka, Michael	11/16/2017	.50	160.00	80.00		
	Kulka, Michael	11/17/2017	.50	160.00	80.00		
	Ritchie, Jennifer	10/4/2017	.50	160.00	80.00		
	Ritchie, Jennifer	10/4/2017	.50	160.00	80.00		
	Ritchie, Jennifer	10/12/2017	.50	160.00	80.00		
	Ritchie, Jennifer	10/13/2017	.50	160.00	80.00		
		10/16/2017	.25	160.00	40.00		
	Ritchie, Jennifer nical Admin Coordinator		.25	160.00	40.00		
			<b>E</b> 0	70.00	25.00		
	Craib, Shelia ct Manager Assistant I	11/1/2017	.50	70.00	35.00		
•	•	10/12/2017	50	65.00	22.50		
L	Ourecka, Chelsea Totals	10/13/2017	.50 71.75	65.00	32.50 11,050.00		
	Total Labo	\r_	71.75		11,030.00	11,050.00	
		<i>7</i> 1				11,000.00	
	sable Expenses						
	its/Fees						
10	0/10/2017 Antoniewic	z, Jamie	EPA Site ID Fee		57.50		
	Total Rein	nbursables			57.50	57.50	
Consulta	nts						
	- Analytical						
		ratories, Inc.	samples #84683		2,374.75		
		ratories, Inc.	samples 11/08 #85	5013	1,380.00		
		ratories, Inc.	samples 11/08 #85		920.00		
		ratories, Inc.	samples 11/08 #85		1,334.00		
1.1	Total Cons		3ampies 11/00 #00	,,,,,,	6,008.75	6,008.75	
	Total Cons	ouitaiito			0,000.75	0,000.73	

Project	01-05889-0	The Pearl Development	Invo	oice 84128	
			Total this Service	\$11,595.61	
			Total this Invoice	\$11,595.61	

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632



Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Soil Excavation

Service Group

Services from October 1, 2017 to November 17, 2017

0005

January 19, 2018

Project No: 01-05889-0 Invoice No: 84715

Invoice Total \$27,064.95

B6 - Soils Oversight

856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	12/8/2017	8.50	80.00	680.00
Ferreira, Olivia	11/20/2017	6.50	80.00	520.00
Ferreira, Olivia	11/21/2017	11.00	80.00	880.00
Ferreira, Olivia	11/29/2017	10.00	80.00	800.00
Ferreira, Olivia	12/4/2017	9.00	80.00	720.00
Ferreira, Olivia	12/5/2017	10.00	80.00	800.00
Ferreira, Olivia	12/6/2017	10.00	80.00	800.00
Ferreira, Olivia	12/7/2017	9.00	80.00	720.00
Ferreira, Olivia	12/11/2017	9.00	80.00	720.00
Ferreira, Olivia	12/12/2017	8.25	80.00	660.00
Ferreira, Olivia	12/13/2017	5.25	80.00	420.00
Ferreira, Olivia	12/14/2017	9.00	80.00	720.00
Ferreira, Olivia	12/15/2017	9.00	80.00	720.00
Ferreira, Olivia	12/18/2017	9.50	80.00	760.00
Ferreira, Olivia	12/19/2017	8.75	80.00	700.00
Ferreira, Olivia	12/20/2017	8.00	80.00	640.00
Ferreira, Olivia	12/21/2017	8.00	80.00	640.00
Flessner, Brett	11/22/2017	10.50	80.00	840.00
Snow, Aaron	11/20/2017	4.00	80.00	320.00
Snow, Aaron	12/22/2017	8.75	80.00	700.00
Teitsma, Christopher	12/26/2017	11.00	80.00	880.00
Teitsma, Christopher	12/27/2017	11.00	80.00	880.00
Teitsma, Christopher	12/28/2017	11.00	80.00	880.00
Teitsma, Christopher	12/29/2017	11.00	80.00	880.00
Regional Manager - Field Services	3			
Lennon, Kelly	11/22/2017	.50	110.00	55.00
Lennon, Kelly	11/27/2017	5.50	110.00	605.00
Lennon, Kelly	11/28/2017	9.00	110.00	990.00

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

We are committed to providing you with the highest level of service and would appreciate getting feedback on our performance. Please take our brief client satisfaction survey at: https://www.surveymonkey.com/r/pmclient

Project	01-058	89-0 Th	e Pearl Deve	elopment		Invoice	84715
	Lennon, Kelly	,	11/30/2017	8.50	110.00	935.00	
	Lennon, Kelly	•	12/1/2017	7.00	110.00	770.00	
	Lennon, Kelly	1	12/22/2017	.50	110.00	55.00	
	Lennon, Kelly	1	12/23/2017	.50	110.00	55.00	
		Totals		247.50		20,745.00	
		Total Labor					20,745.00
Reimb	ursable Expen	ses					
Me	eals						
	11/20/2017	Lennon, Kelly		Lunch KL		12.27	
	11/21/2017	Ferreira, Olivia		water for field staff		4.01	
	11/24/2017	Ferreira, Olivia		lunch for field staff		8.27	
	11/24/2017	Flessner, Brett		lunch bf		4.58	
	11/24/2017	Flessner, Brett		lunch bf		9.30	
	11/29/2017	Ferreira, Olivia		lunch for field staff -	Tim	9.50	
		,		hortans			
	11/30/2017	Lennon, Kelly		Lunch KL		10.71	
	12/4/2017	Ferreira, Olivia		lunch for field staff - hortans	Tim	7.66	
	12/7/2017	Ferreira, Olivia		water for field staff		3.78	
	12/8/2017	Ferreira, Olivia		lunch for field staff		9.50	
	12/8/2017	Ferreira, Olivia		water for field staff		3.78	
	12/13/2017	Ferreira, Olivia		water for field staff		4.03	
	12/15/2017	Ferreira, Olivia		lunch for field staff		13.63	
	12/20/2017	Ferreira, Olivia		water for field staff		4.03	
	12/22/2017	Ferreira, Olivia		water for field staff		3.44	
	12/22/2017	Snow, Aaron		lunch for AS		8.52	
	12/27/2017	Teitsma, Christophe	er	Lunch CT		12.88	
Pa	rking						
	11/20/2017	Lennon, Kelly		parking meter		6.90	
	11/21/2017	Ferreira, Olivia		metered parking		6.33	
	11/21/2017	Ferreira, Olivia		metered parking		4.60	
	11/22/2017	Ferreira, Olivia		metered parking		9.20	
	11/24/2017	Flessner, Brett		meter		5.18	
	11/24/2017	Flessner, Brett		meter		3.45	
	11/28/2017	Lennon, Kelly		parking meter		2.30	
	11/28/2017	Lennon, Kelly		parking meter		2.30	
	11/29/2017	Lennon, Kelly		parking meter		9.20	
	11/30/2017	Ferreira, Olivia		metered parking no	recient	4.60	
	12/1/2017	Lennon, Kelly		Meter Parking	roolopt	2.30	
	12/5/2017	Ferreira, Olivia		metered parking no	recient	6.90	
	12/7/2017	Ferreira, Olivia		metered parking - n	•	6.90	
	12/8/2017	Ferreira, Olivia		metered parking - n	•	8.05	
	12/14/2017	Ferreira, Olivia		metered parking - n		3.45	
	12/14/2017	Ferreira, Olivia		metered parking - n	-	5.75	
	12/19/2017	Ferreira, Olivia		metered parking - n	-	6.90	
	12/19/2017	Ferreira, Olivia		metered parking - n	-	5.75	
	12/20/2017	Ferreira, Olivia		metered parking - n	-	8.63	
	12/21/2017	Ferreira, Olivia		metered parking - n	-	5.75	
	12/22/2017	Total Reimbursab	les	metered parking no	reciepts	244.33	244.33
Reimb	ursable Expen						
	v Equip. Renta						
E11	11/30/2017	Argus Group Inc.		10/31-11/28 rental		159.77	
⊏~		- '		10/31-11/20 Tental		139.77	
ΕN	vironmental Su 12/15/2017	Premier Safety		Auth Kelly/Jamie		159.77	
	.2, 10,2011	. Tornior Galety		, tati i toliy/darille		100.11	

Project	01-05	889-0	The Pearl	Development			Invoice	84715	
Meals									
	1/2017	Antoniewicz, J	amie	Lunch			11.21		
Parking	4/004=						0.45		
11/24	1/2017	Flessner, Bret		meter			3.45		
		Total Reimbu	rsables				334.20	334.20	
Unit Billing									
Industrial Hy	•	pplies							
12/8/2017	7				1.0 E	ach @ 10.00	10.00		
Mileage									
11/20/20						Miles @ 0.56	57.12		
11/22/20						Miles @ 0.56	89.60		
11/29/20	17				15.0	Miles @ 0.56	8.40		
12/4/2017	7				15.0	Miles @ 0.56	8.40		
12/5/2017	7					Miles @ 0.56	8.40		
12/8/2017	7					Miles @ 0.56	8.40		
12/12/201	17					Miles @ 0.56	16.80		
12/13/201	17				15.0	Miles @ 0.56	8.40		
12/18/201	17				15.0	Miles @ 0.56	8.40		
12/18/20	17				15.0	Miles @ 0.56	8.40		
12/20/20	17				30.0	Miles @ 0.56	16.80		
12/22/20	17				12.0	Miles @ 0.56	6.72		
12/26/20	17				568.0 l	Miles @ 0.56	318.08		
PID- 10.6 V									
11/20/20	17				1.0	Day @ 55.00	55.00		
12/8/2017	7				1.0	Day @ 55.00	55.00		
12/12/20 <sup>-</sup>	17				1.0	Day @ 55.00	55.00		
12/13/201	17				0.5 D	ays @ 55.00	27.50		
12/18/201	17				0.5 D	ays @ 55.00	27.50		
12/18/20	17					Day @ 55.00	55.00		
12/20/20	17					Day @ 55.00	55.00		
PID- 11.7 V						•			
11/22/20	17				1.0	Day @ 55.00	55.00		
12/26/20	17					ays @ 55.00	220.00		
		<b>Total Units</b>					1,178.92	1,178.92	
Professiona	l Person	nel							
					Hours	Rate	Amount		
	trative As		44/00/0	047	50	50.00	05.00		
	idagni, S		11/30/20		.50	50.00	25.00		
	idagni, S		12/6/20		.25	50.00	12.50		
	idagni, S		12/11/20		.25	50.00	12.50		
	dagni, S		12/13/20		.25	50.00	12.50		
	idagni, S		12/19/20		.25	50.00	12.50		
	idagni, S		12/21/20		.25	50.00	12.50		
	dagni, S		12/28/20		.25	50.00	12.50		
	on, Nath		11/30/20	017	.25	50.00	12.50		
		ve Staff Consul							
	_	Elizabeth	10/13/20	J17	.50	90.00	45.00		
		vices Division	:						
	ka, Micha		11/27/20		.50	200.00	100.00		
	ka, Micha		11/28/20		.50	200.00	100.00		
	ka, Micha		11/29/20		.50	200.00	100.00		
	on, Adar		10/2/20		.50	200.00	100.00		
	on, Adar		10/4/20		.50	200.00	100.00		
Patt	on, Adar	n	10/6/20	017	.50	200.00	100.00		

Project 01-0	5889-0	The Pearl Dev	elopment		Invoice	84715
Project Engine	er					
Antoniewic		11/20/2017	1.50	120.00	180.00	
Antoniewic	z, Jamie	11/21/2017	.50	120.00	60.00	
Antoniewic	z, Jamie	11/27/2017	.50	120.00	60.00	
Antoniewic	z, Jamie	11/28/2017	.75	120.00	90.00	
Antoniewic	z, Jamie	11/30/2017	1.00	120.00	120.00	
Antoniewic	z, Jamie	12/4/2017	1.75	120.00	210.00	
Antoniewic	z, Jamie	12/5/2017	1.00	120.00	120.00	
Antoniewic	z, Jamie	12/11/2017	2.00	120.00	240.00	
Antoniewic	z, Jamie	12/12/2017	1.00	120.00	120.00	
Antoniewic	z, Jamie	12/13/2017	1.00	120.00	120.00	
Antoniewic	z, Jamie	12/14/2017	2.00	120.00	240.00	
Antoniewic	z, Jamie	12/15/2017	.25	120.00	30.00	
Antoniewic	z, Jamie	12/26/2017	.25	120.00	30.00	
Regional Mana	ger / Senior Con	sultant				
Kulka, Micl	nael	11/20/2017	1.00	160.00	160.00	
Kulka, Micl	nael	11/21/2017	1.00	160.00	160.00	
Kulka, Micl	nael	11/22/2017	1.00	160.00	160.00	
Ritchie, Je	nnifer	12/4/2017	.25	160.00	40.00	
Ritchie, Je	nnifer	12/5/2017	.25	160.00	40.00	
Ritchie, Je	nnifer	12/8/2017	.25	160.00	40.00	
Ritchie, Je	nnifer	12/14/2017	.25	160.00	40.00	
Staff Scientist I	II					
Snow, Aar	on	12/21/2017	.50	100.00	50.00	
Snow, Aar	on	12/22/2017	.50	100.00	50.00	
Project Manage	er Assistant I					
Durecka, C	helsea	11/20/2017	.25	65.00	16.25	
Durecka, C	helsea	11/21/2017	.25	65.00	16.25	
Durecka, C	helsea	11/30/2017	.50	65.00	32.50	
	Totals		25.25		3,182.50	
	Total Labor					3,182.50
Consultants						
Subs - Analytic	al					
11/28/2017	Merit Laborat	ories, Inc.	samples 11/17 #85	310	460.00	
11/30/2017	Merit Laboratories, Inc.		samples 11/21 #85429		460.00	
12/5/2017	Merit Laborat	,	Samples		460.00	
	<b>Total Consu</b>		•		1,380.00	1,380.00
				Total this	Service	\$27,064.95
				Total this	Invoice	\$27,064.95

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PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632



Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Services from January 2, 2018 to March 2, 2018

March 8, 2018

Project No: 01-05889-0 Invoice No: 85166

Invoice Total \$28,402.73

B6 - Soils Oversight

Service Group 0005 856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	2/26/2018	2.25	80.00	180.00
Cicci, Joseph	2/5/2018	9.50	80.00	760.00
Cicci, Joseph	2/7/2018	10.50	80.00	840.00
Cicci, Joseph	2/13/2018	9.00	80.00	720.00
Cicci, Joseph	2/15/2018	11.00	80.00	880.00
Cicci, Joseph	2/19/2018	9.50	80.00	760.00
Cicci, Joseph	2/20/2018	2.25	80.00	180.00
Cicci, Joseph	2/26/2018	1.00	80.00	80.00
Ferreira, Olivia	1/16/2018	.25	80.00	20.00
Flessner, Brett	2/2/2018	10.25	80.00	820.00
Kulka, Michael	2/16/2018	.50	80.00	40.00
Miller, Marcus	2/28/2018	9.50	80.00	760.00
Project Engineer				
Antoniewicz, Jamie	1/4/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/5/2018	1.25	120.00	150.00
Antoniewicz, Jamie	1/8/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/12/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/18/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/19/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/23/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/24/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	1/26/2018	.50	120.00	60.00
Antoniewicz, Jamie	1/29/2018	1.50	120.00	180.00
Antoniewicz, Jamie	1/30/2018	2.50	120.00	300.00
Antoniewicz, Jamie	1/31/2018	1.00	120.00	120.00
Antoniewicz, Jamie	2/2/2018	3.00	120.00	360.00
Antoniewicz, Jamie	2/5/2018	1.50	120.00	180.00
Antoniewicz, Jamie	2/6/2018	1.00	120.00	120.00
Antoniewicz, Jamie	2/7/2018	1.75	120.00	210.00

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project 01-	-05889-0	The Pearl Dev	elopment		Invoice	85166
Antoniew	icz, Jamie	2/8/2018	1.00	120.00	120.00	
	icz, Jamie	2/9/2018	.50	120.00	60.00	
Antoniew	icz, Jamie	2/16/2018	1.00	120.00	120.00	
Staff Scientist	III					
Prowse, E	Benjamin	2/1/2018	.50	100.00	50.00	
Research Cor	nsultant II					
MacLean	, Maureen	2/8/2018	.50	60.00	30.00	
Regional Man	ager - Field Servi	ces				
Kulka, Mi	chael	2/16/2018	1.00	110.00	110.00	
Lennon, ł	Kelly	1/2/2018	.50	110.00	55.00	
Lennon, ł	Kelly	1/16/2018	1.00	110.00	110.00	
Lennon, ł	Kelly	1/29/2018	.50	110.00	55.00	
Lennon, ł	Kelly	1/30/2018	9.50	110.00	1,045.00	
Lennon, ł	Kelly	1/31/2018	9.25	110.00	1,017.50	
Lennon, ł	Kelly	2/1/2018	10.00	110.00	1,100.00	
Lennon, ł	Kelly	2/2/2018	3.50	110.00	385.00	
Lennon, ł	-	2/6/2018	10.25	110.00	1,127.50	
Lennon, ł	-	2/7/2018	.75	110.00	82.50	
Lennon, ł	-	2/8/2018	9.75	110.00	1,072.50	
Lennon, ł	-	2/12/2018	10.00	110.00	1,100.00	
Lennon, ł	•	2/13/2018	2.00	110.00	220.00	
Lennon, I	-	2/14/2018	10.50	110.00	1,155.00	
Lennon, I	-	2/16/2018	9.00	110.00	990.00	
Lennon, Ł	-	2/21/2018	3.50	110.00	385.00	
Lennon, Ł	-	2/22/2018	2.00	110.00	220.00	
Lennon, k	-	2/26/2018	1.50	110.00	165.00	
Lennon, k	-	2/27/2018	4.25	110.00	467.50	
Lennon, k	-	3/2/2018	1.50	110.00	165.00	
Staff Scientist		4/0/0040	4.00	00.00	00.00	
Ferreira,		1/2/2018	1.00	90.00	90.00	
	Totals		203.25		20,297.50	20 207 50
	Total Labor					20,297.50
Reimbursable Ex						
Environmenta	• •					
	Cicci, Joseph	1	Water JO		2.29	
Parking						
2/5/2018	Flessner, Bre		meter		1.15	
2/5/2018	Flessner, Bre		meter		2.59	
2/5/2018	Flessner, Bre		meter		2.88	
2/13/2018	Cicci, Joseph		Parking meter		9.78	
2/15/2018	Cicci, Joseph		Parking at Pearl		10.35	
2/20/2018	Cicci, Joseph		Parking		6.33	05.07
	Total Reimb	ursables			35.37	35.37
Reimbursable Ex	penses					
Environmenta	l Supplies					
1/19/2018	Premier Safe	ty	Auth Kelley/Jamie		1,219.67	
2/22/2018	Premier Safe	ty	Rental		106.09	
Meals						
1/2/2018	Teitsma, Chr	istopher	Lunch CT		14.72	
1/2/2018	Teitsma, Chr	istopher	Lunch CT		12.40	
2/1/2018	Lennon, Kelly	/	lunch KL		6.82	
2/5/2018	Lennon, Kelly	/	coffee for PM and I	HM	11.91	
Misc OH Rein	nbursables					
1/2/2018	Teitsma, Chr	istopher	Waters No rec. give	en CT	2.98	

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project	01-05889-0	The Pearl Deve	lopment		Invoice	85166
Parking						
-	/2018 Lennon, Ke	lly	meter parking no r provided	eceipt	9.20	
2/1/2	2018 Lennon, Ke	lly	parking		9.20	
2/2/2	2018 Lennon, Ke	lly	parking		9.20	
2/5/2	2018 Cicci, Josep	oh	Parking meter		7.48	
2/7/2	2018 Cicci, Josep	oh	Parking meter		9.20	
2/7/2	2018 Lennon, Ke	lly	parking		9.20	
2/13	/2018 Lennon, Ke	lly	parking		9.20	
Permits						
2/9/2	•	-	parking		9.20	
	Total Reim	bursables			1,446.47	1,446.47
Jnit Billing						
ndustrial Hy	giene Supplies					
1/29/201			5.0 E	ach @ 10.00	50.00	
2/5/2018			1.0 E	ach @ 10.00	10.00	
2/9/2018			5.0 E	ach @ 10.00	50.00	
2/14/201	8		2.0 E	ach @ 10.00	20.00	
Mileage						
1/29/201	8		55.0	Miles @ 0.56	30.80	
2/2/2018			170.0	Miles @ 0.56	95.20	
2/5/2018			12.0	Miles @ 0.56	6.72	
2/7/2018			12.0	Miles @ 0.56	6.72	
2/9/2018			55.0	Miles @ 0.56	30.80	
2/13/201	8		12.0	Miles @ 0.56	6.72	
2/14/201	8		22.0	Miles @ 0.56	12.32	
2/15/201	8		11.0	Miles @ 0.56	6.16	
2/20/201	8		11.0	Miles @ 0.56	6.16	
2/28/201	8		12.0	Miles @ 0.56	6.72	
3/1/2018			22.0	Miles @ 0.56	12.32	
PID- 10.6 V						
1/29/201	8			ays @ 55.00	275.00	
2/2/2018				Day @ 55.00	55.00	
2/5/2018				Day @ 55.00	55.00	
2/7/2018				Day @ 55.00	55.00	
2/9/2018				ays @ 55.00	275.00	
2/13/201				Day @ 55.00	55.00	
2/14/201				ays @ 55.00	110.00	
2/15/201				Day @ 55.00	55.00	
2/20/201				ays @ 55.00	27.50	
2/28/201			1.0	Day @ 55.00	55.00	
	Total Units				1,368.14	1,368.14
Professiona	al Personnel					
			Hours	Rate	Amount	
	strative Assistant I					
	ett, Hannah	1/4/2018	.25	50.00	12.50	
	adagni, Susan	2/8/2018	.25	50.00	12.50	
	adagni, Susan	2/9/2018	.25	50.00	12.50	
	adagni, Susan	2/14/2018	.25	50.00	12.50	
	adagni, Susan	2/16/2018	.25	50.00	12.50	
	adagni, Susan	2/26/2018	.25	50.00	12.50	
	adagni, Susan	3/1/2018	.25	50.00	12.50	
14/:14	son, Nathan	1/3/2018	.25	50.00	12.50	

Project 01-0588	9-0 The P	Pearl Devel	opment			In	voice	85166
Director, Env Servi	ces Division							
Patton, Adam		20/2018		.75	200.00	150	.00	
Patton, Adam	2/2	26/2018		.50	200.00	100	.00	
Principal and Vice I	President							
Kulka, Michael	2	2/5/2018		.50	200.00	100	.00	
Kulka, Michael	2	2/6/2018		.50	200.00	100	.00	
Kulka, Michael	2/	12/2018		.50	200.00	100	.00	
Kulka, Michael	2/	13/2018		.50	200.00	100	.00	
Kulka, Michael	2/	14/2018		.50	200.00	100	.00	
Kulka, Michael	2/	15/2018		.50	200.00	100	.00	
Kulka, Michael	2/	16/2018		.50	200.00	100	.00	
Kulka, Michael	2/2	26/2018		.50	200.00	100	.00	
Project Engineer								
Antoniewicz, Ja	amie 1/°	16/2018		.50	120.00	60	.00	
Antoniewicz, Ja	amie 2/2	21/2018		3.25	120.00	390	.00	
Antoniewicz, Ja	amie 2/2	22/2018		1.00	120.00	120	.00	
Antoniewicz, Ja	amie 2/2	23/2018		.50	120.00	60	.00	
Antoniewicz, Ja	amie 2/2	26/2018		.75	120.00	90	.00	
Antoniewicz, Ja		3/1/2018		1.00	120.00	120	.00	
Antoniewicz, Ja	amie 3	3/2/2018		.50	120.00	60	.00	
Regional Manager	/ Senior Consultant							
Ritchie, Jennife	er 1	1/4/2018		.50	160.00	80	.00	
Staff Scientist III								
Arnett, Hannah	. 2	2/6/2018		.25	100.00	25	.00	
Arnett, Hannah	. 2	2/8/2018		1.00	100.00	100	.00	
Arnett, Hannah		2/9/2018		2.00	100.00	200	.00	
Arnett, Hannah		28/2018		.25	100.00	25	.00	
Project Manager As								
Arnett, Hannah		23/2018		.75	65.00	48	.75	
Arnett, Hannah		24/2018		.50	65.00		.50	
Arnett, Hannah		25/2018		.25	65.00		.25	
Blevins, Courtr		12/2018		.50	65.00		.50	
Blevins, Courtr	•	18/2018		.50	65.00		.50	
Blevins, Courtr	•	21/2018		.75	65.00		.75	
Staff Scientist I				-			-	
Feeny, Ryan	2	2/1/2018		.25	90.00	22	.50	
	otals -	= = • •	2	2.25	- 3.00	2,713		
	otal Labor		_			_,	-	2,713.75
Consultants								_,··· <del>-</del>
Subs - Analytical	Norit Laboratorias Inc		Labo			222	00	
	Merit Laboratories, Inc		Labs			230		
	Merit Laboratories, Inc		Labs			460		
	Merit Laboratories, Inc		TO-15			460		
	Merit Laboratories, Inc		Parameter			126		
	Merit Laboratories, Inc		Labs			460		
	Merit Laboratories, Inc		Labs			345		
	Merit Laboratories, Inc	Э.	Labs			460		0.544.50
	Total Consultants					2,541	.50	2,541.50
					Total ti	nis Service		\$28,402.73
					Total t	his Invoice		\$28,402.73

Project 01-05889-0 The Pearl Development Invoice 85166

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

B6 - Soils Oversight

April 6, 2018

01-05889-0

\$14,613.33

85575

Project No:

Invoice No:

**Invoice Total** 

Services from March 2, 2018 to March 30, 2018

\_\_\_\_\_\_

Service Group 0005 856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Environmental Technician				
Antoniewicz, Jamie	3/12/2018	8.50	80.00	680.00
Cicci, Joseph	3/5/2018	8.75	80.00	700.00
Cicci, Joseph	3/6/2018	6.00	80.00	480.00
Cicci, Joseph	3/7/2018	1.00	80.00	80.00
Lieder, Nicholas	3/16/2018	.50	80.00	40.00
Wilcox, Danielle	3/13/2018	7.00	80.00	560.00
Wilcox, Danielle	3/14/2018	11.00	80.00	880.00
Wilcox, Danielle	3/15/2018	10.00	80.00	800.00
Wilcox, Danielle	3/16/2018	9.00	80.00	720.00
Wilcox, Danielle	3/19/2018	11.00	80.00	880.00
Wilcox, Danielle	3/20/2018	10.00	80.00	800.00
Wilcox, Danielle	3/21/2018	9.50	80.00	760.00
Wilcox, Danielle	3/22/2018	3.25	80.00	260.00
Project Engineer				
Antoniewicz, Jamie	3/23/2018	1.25	140.00	175.00
Antoniewicz, Jamie	3/26/2018	1.00	140.00	140.00
Antoniewicz, Jamie	3/27/2018	1.25	140.00	175.00
Antoniewicz, Jamie	3/28/2018	1.50	140.00	210.00
Regional Manager - Field Service	ces			
Lennon, Kelly	3/5/2018	1.50	110.00	165.00
Lennon, Kelly	3/6/2018	.50	110.00	55.00
Lennon, Kelly	3/8/2018	9.00	110.00	990.00
Lennon, Kelly	3/9/2018	9.25	110.00	1,017.50
Lennon, Kelly	3/14/2018	3.00	110.00	330.00
Totals		123.75		10,897.50
Total Labor				

Total Labor 10,897.50

#### Reimbursable Expenses

**Environmental Supplies** 

2/28/2018 Miller, Marcus Water for 9.06

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project	01-05	5889-0 The	Pearl Development	Invoice	85575
Meals					
3/12	/2018	Lennon, Kelly	Lunch/Soup KL/DW	8.99	
Parking		•	·		
2/15	/2018	Lennon, Kelly	Parking	9.20	
2/19	/2018	Lennon, Kelly	Parking	9.20	
3/5/2	2018	Cicci, Joseph	Parking meter	9.20	
3/6/2	2018	Cicci, Joseph	Parking meter	9.20	
3/9/2	2018	Lennon, Kelly	Parking	9.20	
3/12	/2018	Lennon, Kelly	Parking	9.20	
		Total Reimbursable	s	73.25	73.25
Reimbursal	ble Expe	enses			
Environ	mental S	Supplies			
3/9/2	2018	Premier Safety	Rental	6.37	
Meals					
3/14	/2018	Antoniewicz, Jamie	Lunch	8.04	
		Total Reimbursable	s	14.41	14.41
<b>Unit Billing</b>					
Industrial Hy	/giene Si	upplies			
3/8/2018	}		1.0 Each @ 10.00	10.00	
3/9/2018	}		1.0 Each @ 10.00	10.00	
3/13/201	8		1.0 Each @ 10.00	10.00	
3/13/201	8		1.0 Each @ 10.00	10.00	
3/14/201	8		1.0 Each @ 10.00	10.00	
3/15/201	8		1.0 Each @ 10.00	10.00	
3/16/201	8		1.0 Each @ 10.00	10.00	
3/19/201	8		1.0 Each @ 10.00	10.00	
3/20/201			1.0 Each @ 10.00	10.00	
3/21/201			1.0 Each @ 10.00	10.00	
3/23/201	8		1.0 Each @ 10.00	10.00	
Mileage					
3/5/2018			12.0 Miles @ 0.56	6.72	
3/6/2018			12.0 Miles @ 0.56	6.72	
3/7/2018			12.0 Miles @ 0.56	6.72	
3/8/2018			12.0 Miles @ 0.56	6.72	
3/9/2018			12.0 Miles @ 0.56	6.72	
3/13/201			12.0 Miles @ 0.56	6.72	
3/13/201			26.0 Miles @ 0.56	14.56	
3/14/201			12.0 Miles @ 0.56	6.72	
3/15/201			12.0 Miles @ 0.56	6.72	
3/16/201			12.0 Miles @ 0.56	6.72	
3/19/201			12.0 Miles @ 0.56	6.72	
3/20/201			12.0 Miles @ 0.56	6.72	
3/21/201 3/23/201			12.0 Miles @ 0.56 12.0 Miles @ 0.56	6.72	
3/23/201 PID- 10.6 V	0		12.0 Miles @ 0.56	6.72	
3/5/2018	·		1.0 Day @ 55.00	55.00	
3/6/2018			1.0 Day @ 55.00 1.0 Day @ 55.00	55.00	
3/8/2018			1.0 Day @ 55.00 1.0 Day @ 55.00	55.00	
3/9/2018			1.0 Day @ 55.00 1.0 Day @ 55.00	55.00	
3/3/2018			1.0 Day @ 55.00 1.0 Day @ 55.00	55.00	
3/14/201			1.0 Day @ 55.00	55.00	
3/15/201			1.0 Day @ 55.00	55.00	
3/16/201			1.0 Day @ 55.00	55.00	
3/19/201			1.0 Day @ 55.00	55.00	
3/13/201			1.0 Day & 00.00	00.00	

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project 01-05	5889-0 Th	e Pearl Devel	lopment			Invoice	85575
3/20/2018				1.0	Day @ 55.00	55.00	
3/21/2018				1.0	Day @ 55.00	55.00	
3/23/2018				1.0	Day @ 55.00	55.00	
PID- 11.7 V							
3/13/2018				1.0	Day @ 55.00	55.00	
	Total Units					926.92	926.92
Professional Perso	nnel						
				Hours	Rate	Amount	
Administrative A	ssistant I						
Guadagni, S	Susan	3/9/2018		.25	50.00	12.50	
Guadagni, S		3/12/2018		.50	50.00	25.00	
Guadagni, S		3/14/2018		.25	50.00	12.50	
Guadagni, S		3/15/2018		.25	50.00	12.50	
Guadagni, S		3/19/2018		.25	50.00	12.50	
Guadagni, S		3/20/2018		.25	50.00	12.50	
Guadagni, S		3/21/2018		.25	50.00	12.50	
Guadagni, S		3/22/2018		.25	50.00	12.50	
Guadagni, S		3/23/2018		.25	50.00	12.50	
Director, Env Se							
Antoniewicz		3/12/2018		.75	200.00	150.00	
Antoniewicz		3/13/2018		1.50	200.00	300.00	
Antoniewicz	•	3/14/2018		.25	200.00	50.00	
Antoniewicz	•	3/16/2018		.50	200.00	100.00	
Patton, Ada		3/29/2018		.50	200.00	100.00	
Project Enginee		0,-0,-0					
Antoniewicz		3/7/2018		2.00	120.00	240.00	
Antoniewicz		3/9/2018		2.50	120.00	300.00	
Project Enginee							
Antoniewicz		3/19/2018		2.00	140.00	280.00	
Antoniewicz		3/21/2018		1.00	140.00	140.00	
Antoniewicz		3/22/2018		.25	140.00	35.00	
Antoniewicz		3/29/2018		1.00	140.00	140.00	
Antoniewicz		3/30/2018		.50	140.00	70.00	
	er / Senior Consultan						
Ritchie, Jen		3/19/2018		.50	160.00	80.00	
Technical Admir					<del>-</del>	- 2.22	
Craib, Sheli		3/8/2018		.25	70.00	17.50	
Project Manage		-		-	-		
Blevins, Co		3/19/2018		1.25	65.00	81.25	
,	Totals			17.25		2,208.75	
	Total Labor						2,208.75
Consultants							
Subs - Analytica	I						
3/21/2018	<ul> <li>Merit Laboratories,</li> </ul>	Inc.	Labs			460.00	
5/21/2010	Total Consultants		_000			460.00	460.00
					Total this		
					Total this	9eLAIC6	\$14,580.83

Project	01-05889-0	The Pearl Development			Invoice	85575
Profession	nal Personnel					
			Hours	Rate	Amount	
Projec	t Manager Assistant I					
Dι	ırecka, Chelsea	10/13/2017	.50	65.00	32.50	
	SG 0006 Set-up					
	Totals		.50		32.50	
	Total Labo	or				32.50
				Total this	Service	\$32.50
				Total this	Invoice	\$14,613.33

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

Project Manager: Jamie Antoniewicz

Services till September 28, 2018

October 4, 2018

Project No: 01-05889-0 Invoice No: 87608

Invoice Total \$2,173.12

B6 - Soils Oversight

Service Group 0006 856 North Old Woodward Avenue, Birmingham, Michigan

#### **Professional Personnel**

		Hours	Rate	Amount
Administrative Assistant I				
Doty, Ryan	8/15/2018	1.75	50.00	87.50
Guadagni, Susan	8/16/2018	.50	50.00	25.00
Director, Env Services Division				
Patton, Adam	8/17/2018	1.00	200.00	200.00
Patton, Adam	9/7/2018	1.00	200.00	200.00
Project Engineer				
Antoniewicz, Jamie	4/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	4/27/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/16/2018	1.75	120.00	210.00
Antoniewicz, Jamie	5/17/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/21/2018	.50	120.00	60.00
Antoniewicz, Jamie	5/24/2018	.25	120.00	30.00
Antoniewicz, Jamie	5/25/2018	1.00	120.00	120.00
Antoniewicz, Jamie	5/29/2018	.50	120.00	60.00
Antoniewicz, Jamie	6/21/2018	.75	120.00	90.00
Antoniewicz, Jamie	8/15/2018	1.50	120.00	180.00
Antoniewicz, Jamie	8/16/2018	.50	120.00	60.00
Antoniewicz, Jamie	8/20/2018	1.00	120.00	120.00
Antoniewicz, Jamie	8/21/2018	.75	120.00	90.00
Antoniewicz, Jamie	8/29/2018	2.00	120.00	240.00
Antoniewicz, Jamie	9/7/2018	1.75	120.00	210.00
Antoniewicz, Jamie	9/10/2018	1.00	120.00	120.00
Antoniewicz, Jamie	9/11/2018	.50	120.00	60.00
Antoniewicz, Jamie	9/12/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/13/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/21/2018	.25	120.00	30.00
Antoniewicz, Jamie	9/25/2018	.50	120.00	60.00
Antoniewicz, Jamie	9/28/2018	.50	120.00	60.00
Project Engineer				
Antoniewicz, Jamie	4/4/2018	.25	140.00	35.00

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

Project	01-05889-0	The Pearl De	velopment			Invoice	87608
Anto	niewicz, Jamie	4/6/2018		.50	140.00	70.00	
Anto	niewicz, Jamie	4/9/2018	}	1.00	140.00	140.00	
Anto	niewicz, Jamie	4/10/2018	}	.50	140.00	70.00	
Anto	niewicz, Jamie	4/12/2018	}	.50	140.00	70.00	
Anto	niewicz, Jamie	4/14/2018	}	.50	140.00	70.00	
Technica	I Admin Coordinator						
Craib	o, Shelia	9/17/2018	}	.50	70.00	35.00	
Project M	lanager Assistant I						
Blevi	ins, Courtney	4/6/2018	}	.50	65.00	32.50	
Blevi	ins, Courtney	9/28/2018	}	.50	65.00	32.50	
	Totals			26.50		3,167.50	
	Total Labo	r					3,167.50
Consultants							
Subs - Ar	nalytical						
12/13	/2017 Merit Labor	ratories, Inc.	Labs			920.00	
12/14		ratories, Inc.	Labs			920.00	
12/20	/2017 Merit Labor	ratories, Inc.	Labs			460.00	
12/20	/2017 Merit Labor	ratories, Inc.	Labs			460.00	
12/20	/2017 Merit Labor	ratories, Inc.	Labs			460.00	
8/21/2	2018 Merit Labor	ratories, Inc.	Labs			667.00	
	Total Cons	sultants				3,887.00	3,887.00
Reimbursabl	e Expenses						
Env Equi	p. Rental						
3/9/20	)18 Premier Sa	fety	Rental			112.46	
	Total Reim	nbursables				112.46	112.46
Unit Billing							
Mileage							
8/15/2018				11.0	Miles @ 0.56	6.16	
	Total Units	5				6.16	6.16
Additional Fe	ees						
ck # 1230	0 ; 11/17/17					-5,000.00	
		tional Fees				-5,000.00	-5,000.00
					Total this S	ervice	\$2,173.12
					Total this Ir	nvoice	\$2,173.12

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon

FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303

December 20, 2018

Project No: 01-05889-0 Invoice No: 88529

Invoice Total \$7,450.00

Project Manager: Jamie Antoniewicz

Service Group 0006 856 North Old Woodward Avenue, Birmingham, Michigan

B8 - Excavation Oversight

Task Cost

CO1: Mobilization / Oversight / Samples 950.00
CO1: Equipment and Supplies 100.00
CO1: Project management / Consulting 3,250.00
CO1: Laboratory Analysis 650.00
Total Fee 4,950.00

Subtotal 4,950.00

Total this Service \$4,950.00

Service Group 0007 856 NOId Woodward-Water Treatment Permit

B7 - Wastewater

Disposal

Task Cost

Water Treatment Building Permit2,500.00Meetings0.00Total Fee2,500.00

Subtotal 2,500.00

Total this Service \$2,500.00

Total this Invoice \$7,450.00

Project 01-05889-0 The Pearl Development Invoice 88529

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions over \$5,000 will be assessed a 2% fee at time of payment.

Payments may be made electronically to:

PNC Bank Routing ABA Number 041000124 Account Number 4244515447 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, MI 48303 June 17, 2020

Project No: 01-05889-0 Invoice No: 94157

Invoice Total \$1,250.00

Project Manager: Sarah Marshall

Service Group 0008 856 North Old Woodward Avenue, Birmingham, Michigan

B7 - Wastewater Disposal Reporting

TaskCostBiennial Hazardous Waste Report and EQP5150 Form1,250.00Total Fee1,250.00

Subtotal 1,250.00

Total this Service \$1,250.00

Total this Invoice \$1,250.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

**Invoice Payable Upon Receipt** 



PM ENVIRONMENTAL, INC. 3340 RANGER ROAD LANSING, MI 48906 Phone (517) 321-3331 Toll Free: (800) 485-0090

Fax: (877) 884-6775

Mr. Frank Simon FLS Properties #5, LLC P.O. Box 689

Bloomfield Hills, MI 48303 Invoice Total \$2,300.00

Project Manager: Nicholas Lieder

Stormwater Testing Activities

Service Group 0009 856 North Old Woodward Avenue, Birmingham, Michigan

B7 - Water Discharge Testing

TaskCostMobilization / Sampling / Equipment750.00Data Eval / Project Mgmt / Summary Memo1,750.00Laboratory Analysis800.00Total Fee3,300.00

Subtotal 3,300.00

August 21, 2020

01-05889-0

94762

Project No:

Invoice No:

**Additional Fees** 

Check #1110 08/11/20 -1,000.00

Total Additional Fees -1,000.00 -1,000.00

Total this Service \$2,300.00

Total this Invoice \$2,300.00

Please include invoice number or project number with your payment. For your convenience, we accept VISA, MasterCard, and American Express. Credit card transactions will be assessed a 3% fee at time of payment.

Payments may be made electronically to:

Level One Bank Routing ABA Number 072414310 Account Number 1000123180 Fed ID 38-3052632

#### **Invoice Payable Upon Receipt**

Invoices due upon receipt. Service fee of 1.5% assessed monthly after 30 days. Accounts Receivable 248-687-7091.

# Accounts Receivable Ledger

PM Environmental, Inc.

Job-to-Date through 12/26/2020

	Invoice	Mod/Receipt Detail	Description 2	Date	Total
Billing Client Nan	ne: FLS Prope				
_	_		Birmingham, Michiga	n	
		nent / Project Mana	<u> </u>		
Project Type: Env			<b>3 3</b>		
,	0073902		Invoice	9/21/2015	14,015.00
	0073902	Rcpt A112315	ck # 1162	11/23/2015	-14,015.00
	0077059	. торги	Invoice	6/27/2016	5,690.00
	0077059	Rcpt A090816	ck# 1187	9/8/2016	-5,690.00
	0078957		Invoice	10/28/2016	10,000.00
	0078957	Rcpt A110916	ck# 1198	11/9/2016	-10,000.00
	0079807		invoice	1/4/2017	1,500.00
	0079807	Rcpt A011917	CK # 1117	1/19/2017	-1,500.00
	0080629	торг лотто т	Invoice	2/23/2017	3,750.00
	0080629	Retainer	Invoice	2/23/2017	-3,750.00
	0080029	Retainer	Invoice	11/30/2017	26,595.61
	0084128	Retainer	Invoice	11/30/2017	-15,000.00
					•
	0084128	Rcpt A010818	ck # 1244	1/8/2018	-11,595.61
	0084648	Dotoin	Invoice	1/12/2018	
	0084648	Retainer	Invoice	1/12/2018	07.004.05
	0084715	D 1 A 22 12 12	Invoice	1/19/2018	27,064.95
	0084715	Rcpt A031918	ck # 1269	3/19/2018	-27,064.95
	0085166		Invoice	3/8/2018	28,402.73
	0085166	Rcpt A031918	ck # 1269	3/19/2018	-28,402.73
	0085575		Invoice	4/6/2018	14,613.33
	0085575	Rcpt A051618	Check#1283	5/16/2018	-14,613.33
	0087568		Invoice	9/28/2018	
	0087608		Invoice	10/4/2018	7,173.12
	0087608	Retainer	Invoice	10/4/2018	-5,000.00
	0087608	Rcpt A101518	Check#1010	10/15/2018	-2,173.12
	0088529		Invoice	12/20/2018	7,450.00
	0088529	Rcpt A012419	Check#1028	1/24/2019	-7,450.00
	0094157		Invoice	6/17/2020	1,250.00
	0094157	Rcpt A071320	Check #1082	7/13/2020	-1,250.00
	0094762		Invoice	8/21/2020	3,300.00
	0094762	Retainer	Invoice	8/21/2020	-1,000.00
	0094762	Rcpt A090120	Check# 1127	9/1/2020	-2,300.00
	0095569	-,	Invoice	11/13/2020	4,178.75
	0095569	Retainer	Invoice	11/13/2020	-2,500.00
	0095569	Rcpt A111920	Check#1216	11/19/2020	-1,678.75
Project Billed		1100171111020	J.1001 1210	11,10,2020	154,983.49
Project Rece					-154,983.49
Project Retai					-104,300.43
Project Retai					
otal for 01-0588	•				
rotal for 01-05889 Fotal Billed	<del>5-0</del>				154 002 40
					154,983.49
otal Received					-154,983.49
otal Retainer					
otal Retainage					
otal					

v7.6.758 (KZEIS) - Page 1 of 1

2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754 1162

74 347/724

DATE 11/19/2015

ACHICL MINI

PAY TO THE ORDER OF PM Environmental, Inc.

\$ 14,015.00

--- Fourteen Tuousand Fifteen Dollars and 00/100 ---

DOLLARS 1



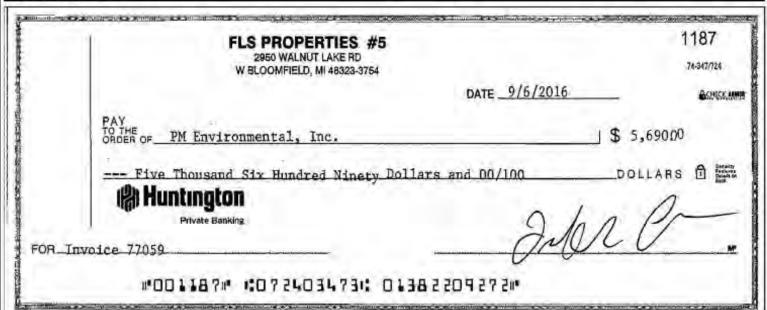
**Private Banking** 

FOR Invoice 73902

Jull O

## DO 1 16 2# # # D 7 2 4 D 3 4 7 3# D 1 3 8 2 2 D 9 2 7 2#

Front Image



Front Image 1198 **FLS PROPERTIES #5** 2950 WALNUT LAKE RD 74-347/724 W BLOOMFIELD, MI 48323-3754 DATE 11/4/2016 PAY TO THE ORDER OF PM Environmental, Inc. \$ 10,000.00 --- Ten Thousand Dollars and 00/100 ---Huntington Private Banking Invoice 78957 #001198# #072403473# 01382209272#

Rack Image

2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754 1194

74-347/724

DATE 10/12/2016

ACHECK ARMOR

PAY
TO THE ORDER OF PM Environmental, Inc.

\$ 3,750.00

---Three Thousand Seven Hundred Fifty Dollars and 00/100---

DOLLARS D Secur



Private Banking

FOR deposit vapor barrier work plan

Jules e

#001194# #072403473# 01382209272#

2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754 1223

74-347/724

DATE 10/9/2017

CHECK ARMON

PAY TO THE ORDER OF PM Environmental, Inc.

\$ 15,000.00

---- Fifteen Thousand Dollars and 00/100 ----

DOLLARS 1



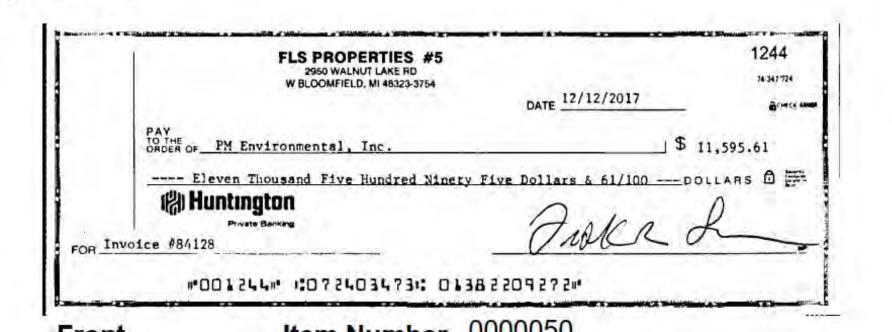
Private Banking

FOR Deposit/Soil Removal Oversight

Jule R. J.

0101033

"OD1223" 1:0724034731: 013822092721



2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754 1269

74-347-724

DATE 3/14/2018

\$4.43 mag

PAY
TO THE PM Environmental, Inc.

\$ 55,467.68

--- Fifty Five Thousand Four Hundred Sixty Seven and 68/100---

DOLLARS A MA



Private Banking

FOR Invoices 84715, 85166

20715 US

#001269# #072403473# 01382209272#

2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754 1283

74-347/724

DATE 5/11/2018

ACHECK ARMO

PAY TO THE PM Environmental, Inc.

\$ 14,613.33

--- Fourteen Thousand Six Hundred Thirteen Dollars and 33/100---

DOLLARS





Private Banking

FOR Invoice #85575

Inda C

FLS PROPERTIES #5 2950 WALNUT LAKE RD W BLOOMFIELD, MI 48323-3754		1230
	DATE 11/3/2017	Aries, may
PAY TO THE OF PM Environmental		,000.00
Five Thousand Dollars and 00/100	00	LLARS 🗗 🏭
(治) Huntington	11,10	
FOR Change Order #1/Proposal #01010337	ance C	
#001230# #072403473# 01382	209 27 2#	

Front

Item Number 0000003

2950 WALNUT LAKE RD. WEST BLOOMFIELD, MI 48323

ET ESTANT Check Frauce Production for Business 74-1001/724

DATE 10/10/2018

PAY TO THE ORDER OF PM Environmental, Inc.

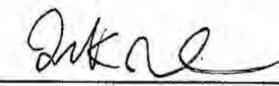
\$ 2,173.12

--- Two Thousand One Hundred Seventy Three Dollars and 12/100

DOLLARS



FOR Invoice #87608





"OO1010" "072410013" 2552533578"

2950 WALNUT LAKE RD. WEST BLOOMFIELD, MI 48323

1/22/2019

74-1001/724

PAY TO THE ORDER OF

PM Environmental, Inc.

\$ 7,450.00

--- Seven Thousand Four Hundred Fifty Dollars and 00/100 ---

CHEMICAL BANK.

FOR Invoice #88529

DOLLARS



#001028# 1:0724100131 2552533578#

2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 48323 1082

74-1431:724

DATE 6/24/2020

CHECK ARMER

PAY TO THE ORDER OF PM Environmental, Inc.

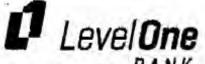
\$ 1,250.00

--- One Thousand Two Hundred Fifty Dollars and 00/100 ---

DOLLARS







FOR Invoice #94 54 NK

2

# DD 108 2# # CO72414310# 1000161701#

FLS	PRO	PERTIE	S #5 1	LC
		LAKE RD	3.44	
WEST	BLOOM	FIELD, MI 4	8323	

1110

74-1431/724

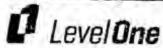
DATE \_8/3/2020

PAY TO THE PM Environmental, Inc.

\$1,000.00

--- One Thousand Dollars and 00/100 ---





FOR deposit - proposal 01017437

#\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\* 1000161701#

2950 WALNU	PERTIES #5 LLC T LAKE RD MFIELD, MI 48323	-	
WEGI BEGGI	in theo, the socie		
	1		
PAY TO THE ORDER OF_	PM Environmental,	Inc.	

1127

74-1431/724

DATE 8/26/20

\$ 2,300.00

--- Two Thousand Three Hundred Dollars and 00/100 ---

DOLLARS





#\*DD1127# #\*D72414310# 1000161701#

FLS PROPERTIES #5 LLC 2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 45323	DATE 9/22/2020	74-1
PAY TO THE PM Environmental	UNIC	\$ 2,500.00
Two Thousand Five Hundred Dollars and 00/100		DOLLARS
LevelOne  FOR Deposit for Proposal # 01017723	Frank R.	Limen

\*\*DO1158\* 1:072414310: 1000161701\*

2950 WALNUT LAKE RD WEST BLOOMFIELD, MI 48323 1216

74-1431/724

DATE 11/13/2020

SCHECK ANNOT

PAY TO THE ORDER OF PM Environmental, Inc.

\$ 1,678.75

----One Thousand Six Hundred Seventy Eight Dollars and 75/100 ----

DOLLARS







FOR Invoice #95569

and on

## OD 1 2 1 6 # # ED 7 2 4 1 4 3 1 0 # 10 00 1 6 1 7 0 1 #



EALIV	ILIVI AFFLICA	11014				
TO: FROM:	FLS PROPERTIES #5, LLC 2950 WALNUT LAKE ROA WEST BLOOMFIELD, MI 4 THE DOUGLAS COMPAN 1716 PERRYSBURG HOLI HOLLAND, OHIO 43528 GENERAL CONSTRUCTIO	D 18323 Y LAND ROAD	LOCATION: 856 N BIRM ARCHITECT: MARI 36880	22-0 PEARL DEVELOPMENT NORTH OLD WOODWARD IINGHAM, MI 48009 USICH ARCHITECTURE 0 WOODWARD AVENUE SUITE 100 DMFIELD HILLS, MI 48304	APPLICATION # PERIOD THRU: PROJECT #s: DATE OF CONTRACT:	Distribution to:  08/25/2020
Application Continuati	RACTOR'S SUMM  n is made for payment as shi on Page is attached.		¢12 659 747 00	Contractor's signature below is his assistant: (1) the Work has been performed paid to Contractor under the Contract hand other obligations under the Contract entitled to this payment.	as required in the Contract I lave been used to pay Contr ct for Work previously paid fo	Documents, (2) all sums previously actor's costs for labor, materials
1. CONTI	RACT AMOUNT	10	\$13,658,747.00	CONTRACTOR: THE DOUGLAS COM	MPANY	
2. SUM C	OF ALL CHANGE ORDERS		\$1,356,073.35	By: Xin M. 1	elles D	ate: 08/24/2020
3. CURRI	ENT CONTRACT AMOUNT	(Line 1 +/- 2)	\$15,014,820.35	LYNN M. MILLER ASSIST	TANT CONTROLLER	
4. TOTAL	COMPLETED AND STORE	ĒD	\$15,014,820.35	State of: Ohio		
(Colum	nn G on Continuation Page)			County of: Lucas	WILLIAM STATE	
(Co b. 0 (Co	NAGE:  1.00% of Completed Work  1.00% of Continuation  1.00% of Material Stored  1.00m F on Continuation Pag  Retainage (Line 5a + 5b or	n Page)	\$0.00 \$0.00	Subscribed and sworn to before me this 24th day of A Notary Public Communication Expires: 320	August 2020	Notacy Public - State of Ohio Westmannission Expires March 22, 2022
	umn I on Continuation Page		\$0.00	ARCHITECT'S CERTIFIC	ATION	
6. TOTAL	COMPLETED AND STORE	ED LESS RETAINAGE	\$15,014,820.35	Architect's signature below is his assur	ance to Owner, concerning t	he payment herein applied for,
1	minus Line 5 Total) PREVIOUS PAYMENT APP	LICATIONS	\$13,513,338.35	that: (1) Architect has inspected the Wicompleted to the extent indicated in this conforms with the Contract Documents of Work completed and payment due the	ork represented by this Appli s Application, and the quality , (3) this Application for Payr	cation, (2) such Work has been of workmanship and materials nent accurately states the amount
8. PAYME	ENT DUE		\$1,501,482.00	should not be made.	, ,,	
9. BALAN	ICE TO COMPLETION			CERTIFIED AMOUNT	•••••••••	
(Line 3	minus Line 6)	\$0.0	0	(If the certified amount is different from		d attach an explanation. Initial all
SUMMAR	Y OF CHANGE ORDERS	ADDITIONS	DEDUCTIONS	the figures that are changed to match t	пе сеппеа атоипт.)	
Total cha	anges approved in	M4 000 040 TO	(600.007.05)	Architect:: JOH	IN MARUSICH	
previous		\$1,382,340.70	(\$26,267.35)	Ву:		Date:
Total app	proved this month	\$0.00	\$0.00	Neither this Application nor payment	applied for herein is assignal	ole or negotiable. Payment shall be
	TOTALS NET CHANGES	\$1,382,340.70 \$1.356.073.35	(\$26,267.35)	made only to Contractor, and is witho Contract Documents or otherwise.	ut prejudice to any rights of (	Owner or Contractor under the
	NEI CHANGES I	31.330.U/3.33		III Contract Documents of otherwise.		

PROJECT:

18-022-0

THE PEARL DEVELOPMENT

APPLICATION #:

24 08/24/2020

Payment Application containing Contractor's signature is attached.

DATE OF APPLICATION: PERIOD THRU:

08/25/2020

PROJECT #s:

18-022-0

ITEM#   WORK DESCRIPTION   SCHEDULED AMOUNT   REVIOUS PERIODS   THIS PERIOD   MATERIALS (NOT IN D OR E)   STORED (D + E + F)   COMPLETED AND STORED (D + E	
TEM#   WORK DESCRIPTION   AMOUNT   PREVIOUS   PERIODS   NOT IN D OR E   STORED   COMPLETED AND   COMPLETED A	CE DETAILS
02         ASPHALT PAVING         \$20,000.00         \$20,000.00         \$0.00         \$20,000.00         100%           03         STRIPING         \$2,265.00         \$2,265.00         \$0.00         \$0.00         \$2,265.00         100%           04         SITE IMPROVEMENTS         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           05         LANDSCAPING (ALLOWANCE)         \$10,000.00         \$10,000.00         \$0.00         \$0.00         \$10,000.00         100%           06         SITE CONCRETE         \$53,868.00         \$53,868.00         \$0.00         \$0.00         \$53,868.00         100%           07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	
03         STRIPING         \$2,265.00         \$2,265.00         \$0.00         \$0.00         \$2,265.00         100%           04         SITE IMPROVEMENTS         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           05         LANDSCAPING (ALLOWANCE)         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           06         SITE CONCRETE         \$53,868.00         \$53,868.00         \$0.00         \$53,868.00         100%           07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
04         SITE IMPROVEMENTS         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           05         LANDSCAPING (ALLOWANCE)         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           06         SITE CONCRETE         \$53,868.00         \$53,868.00         \$0.00         \$0.00         \$53,868.00         100%           07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
05         LANDSCAPING (ALLOWANCE)         \$10,000.00         \$10,000.00         \$0.00         \$10,000.00         100%           06         SITE CONCRETE         \$53,868.00         \$53,868.00         \$0.00         \$53,868.00         100%           07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
06         SITE CONCRETE         \$53,868.00         \$53,868.00         \$0.00         \$53,868.00         100%           07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
07         FENCING         \$1,190.00         \$1,190.00         \$0.00         \$0.00         \$1,190.00         100%           08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
08         BUILDING SIGNAGE         \$7,481.00         \$7,481.00         \$0.00         \$0.00         \$7,481.00         100%           09         CONCRETE         \$1,717,487.19         \$1,717,487.19         \$0.00         \$0.00         \$1,717,487.19         100%           10         GYPCRETE         \$67,890.00         \$67,890.00         \$0.00         \$0.00         \$67,890.00         100%	\$0.00
09     CONCRETE     \$1,717,487.19     \$1,717,487.19     \$0.00     \$0.00     \$1,717,487.19     100%       10     GYPCRETE     \$67,890.00     \$67,890.00     \$0.00     \$0.00     \$67,890.00     100%	\$0.00
10 GYPCRETE \$67,890.00 \$67,890.00 \$0.00 \$0.00 \$67,890.00 100%	\$0.00
	\$0.00
	\$0.00
11 MASONRY   \$1,047,000.00   \$1,047,000.00   \$0.00   \$0.00   \$1,047,000.00   100%	\$0.00
12 STEEL FABRICATION \$745,200.81 \$745,200.81 \$0.00 \$0.00 \$745,200.81 100%	\$0.00
13 MISC. STEEL \$106,300.00 \$106,300.00 \$0.00 \$0.00 \$106,300.00 100%	\$0.00
14 FIREPROOFING \$40,000.00 \$40,000.00 \$0.00 \$0.00 \$40,000.00 100%	\$0.00
15 SUN SHADE \$72,650.00 \$72,650.00 \$0.00 \$0.00 \$72,650.00 100%	\$0.00
16 METAL SCREENS \$12,667.00 \$12,667.00 \$0.00 \$0.00 \$12,667.00 100%	\$0.00
17 BALCONY RAILING \$75,932.00 \$75,932.00 \$0.00 \$0.00 \$75,932.00 100%	\$0.00
18 ROUGH CARPENTRY \$844,629.00 \$844,629.00 \$0.00 \$0.00 \$844,629.00 100%	\$0.00
19 FINISH CARPENTRY \$595,841.00 \$595,841.00 \$0.00 \$0.00 \$595,841.00 100%	\$0.00
20 LOBBY MILLWORK \$35,000.00 \$35,000.00 \$0.00 \$0.00 \$35,000.00 100%	\$0.00
21 WATERPROOFING \$164,225.00 \$164,225.00 \$0.00 \$0.00 \$164,225.00 100%	\$0.00
22 INSULATION \$64,300.00 \$64,300.00 \$0.00 \$0.00 \$64,300.00 100%	\$0.00
23 EPDM ROOFING \$115,000.00 \$115,000.00 \$0.00 \$0.00 \$115,000.00 100%	\$0.00
24 SIDING & TRIM \$74,640.00 \$74,640.00 \$0.00 \$0.00 \$74,640.00 100%	\$0.00
25 CAULKING \$57,240.00 \$57,240.00 \$0.00 \$0.00 \$57,240.00 100%	\$0.00
26 DOORS & FRAMES \$147,338.00 \$147,338.00 \$0.00 \$0.00 \$147,338.00 100%	\$0.00
27 OVERHEAD DOORS \$8,012.00 \$8,012.00 \$0.00 \$0.00 \$8,012.00 100%	\$0.00
28 WINDOWS \$166,623.00 \$166,623.00 \$0.00 \$0.00 \$166,623.00 100%	\$0.00
29 GLASS & GLAZING \$151,775.00 \$151,775.00 \$0.00 \$0.00 \$151,775.00 100%	
SUB-TOTALS \$6,577,232.00 \$6,577,232.00 \$0.00 \$0.00 \$6,577,232.00 100%	\$0.00

Payment Application containing Contractor's signature is attached.

PROJECT:

18-022-0

THE PEARL DEVELOPMENT

APPLICATION #:

DATE OF APPLICATION:

24 08/24/2020

TE FEARL DEVELOPMENT

PERIOD THRU:

08/25/2020

PROJECT #s:

18-022-0

Α	В	С	D	E	F	G		Н	
		0.01155111.55	COMPLET	TED WORK	STORED	TOTAL %		BALANCE DETAIL	DETAINAGE
ITEM#	WORK DESCRIPTION	SCHEDULED AMOUNT	AMOUNT PREVIOUS PERIODS	AMOUNT THIS PERIOD	MATERIALS (NOT IN D OR E)	COMPLETED AND STORED (D + E + F)	COMP. (G / C)	TO COMPLETION (C-G)	RETAINAGE (If Variable)
30	DRYWALL & METAL STUDS	\$761,000.00	\$761,000.00	\$0.00	\$0.00	\$761,000.00	100%	\$0.00	
31	ACOUSTICAL CEILINGS	\$93,045.00	\$93,045.00	\$0.00	\$0.00	\$93,045.00	100%	\$0.00	
32	CERAMIC TILE FLOORING	\$360,955.00	\$360,955.00	\$0.00	\$0.00	\$360,955.00	100%	\$0.00	
33	CARPETING / WOOD	\$272,963.00	\$272,963.00	\$0.00	\$0.00	\$272,963.00	100%	\$0.00	
34	PAINTING & WALLCOVERING	\$229,950.00	\$229,950.00	\$0.00	\$0.00	\$229,950.00	100%	\$0.00	
35	PARKING GATES (ALLOWANCE)	\$13,900.00	\$13,900.00	\$0.00	\$0.00	\$13,900.00	100%	\$0.00	
36	FIRE EXTINGUISHERS	\$4,250.00	\$4,250.00	\$0.00	\$0.00	\$4,250.00	100%	\$0.00	
37	WINDOW TREATMENT	\$27,936.00	\$27,936.00	\$0.00	\$0.00	\$27,936.00	100%	\$0.00	
38	FIREPLACES	\$27,640.00	\$27,640.00	\$0.00	\$0.00	\$27,640.00	100%	\$0.00	
39	DIVISION 10 SPECIALTIES	\$95,061.00	\$95,061.00	\$0.00	\$0.00	\$95,061.00	100%	\$0.00	
40	WHITE BOX BUILD OUT	\$41,440.00	\$41,440.00	\$0.00	\$0.00	\$41,440.00	100%	\$0.00	
41	TRASH CHUTE	\$11,642.00	\$11,642.00	\$0.00	\$0.00	\$11,642.00	100%	\$0.00	
42	RESIDENTIAL APPLIANCES	\$122,000.00	\$122,000.00	\$0.00	\$0.00	\$122,000.00	100%	\$0.00	
43	ELEVATORS	\$120,000.00	\$120,000.00	\$0.00	\$0.00	\$120,000.00	100%	\$0.00	
44	HVAC	\$570,000.00	\$570,000.00	\$0.00	\$0.00	\$570,000.00	100%	\$0.00	
45	PLUMBING	\$605,373.00	\$605,373.00	\$0.00	\$0.00	\$605,373.00	100%	\$0.00	
46	FIRE PROTECTION	\$252,850.00	\$252,850.00	\$0.00	\$0.00	\$252,850.00	100%	\$0.00	
47	ELECTRICAL	\$836,400.00	\$836,400.00	\$0.00	\$0.00	\$836,400.00	100%	\$0.00	
48	GENERAL REQUIREMENTS	\$1,182,951.74	\$1,182,951.74	\$0.00	\$0.00	\$1,182,951.74	100%	\$0.00	
49	BUILDERS OVERHEAD	\$539,779.75	\$539,779.75	\$0.00	\$0.00	\$539,779.75	100%	\$0.00	
50	BUILDERS PROFIT	\$362,889.51	\$362,889.51	\$0.00	\$0.00	\$362,889.51	100%	\$0.00	
51	CRANE	\$549,489.00	\$549,489.00	\$0.00	\$0.00	\$549,489.00	100%	\$0.00	
52	CHANGE ORDER #01	\$356,136.00	\$356,136.00	\$0.00	\$0.00	\$356,136.00	100%	\$0.00	
53	CHANGE ORDER #02	\$49,381.11	\$49,381.11	\$0.00	\$0.00	\$49,381.11	100%	\$0.00	
54	CHANGE ORDER #03	\$36,043.96	\$36,043.96	\$0.00	\$0.00	\$36,043.96	100%	\$0.00	
55	CHANGE ORDER #04	\$19,640.10	\$19,640.10	\$0.00	\$0.00	\$19,640.10	100%	\$0.00	
56	CHANGE ORDER #05R	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
57	CHANGE ORDER #06	\$47,416.00	\$47,416.00	\$0.00	\$0.00	\$47,416.00	100%	\$0.00	

\$0.00

\$0.00

\$0.00

\$0.00

CHANGE ORDER #07

SUB-TOTALS

\$398,592.01

\$14,565,956.18

\$398,592.01

\$14,565,956.18

58

\$0.00

\$0.00

100%

100%

\$398,592.01

\$14,565,956.18

PROJECT:

18-022-0

THE PEARL DEVELOPMENT

APPLICATION #:

24 08/24/2020

Payment Application containing Contractor's signature is attached.

DATE OF APPLICATION: PERIOD THRU:

08/25/2020

PROJECT #s:

18-022-0

Α	В	C	D	E	F	G		Н	
			COMPLET	ED WORK	STORED	TOTAL	%	BALANCE	DETAINAGE
ITEM#	WORK DESCRIPTION	SCHEDULED AMOUNT	AMOUNT PREVIOUS PERIODS	AMOUNT THIS PERIOD	MATERIALS (NOT IN D OR E)	STORED (D + E + F)	COMP. (G / C)	TO COMPLETION (C-G)	RETAINAGE (If Variable)
59	CHANGE ORDER #08R	\$248,920.13	\$248,920.13	\$0.00	\$0.00	\$248,920.13	100%	\$0.00	
60	CHANGE ORDER #09	\$8,797.70	\$8,797.70	\$0.00	\$0.00	\$8,797.70	100%	\$0.00	
61	CHANGE ORDER #10	\$36,454.75	\$36,454.75	\$0.00	\$0.00	\$36,454.75	100%	\$0.00	
62	CHANGE ORDER #11R	\$16,586.92	\$16,586.92	\$0.00	\$0.00	\$16,586.92	100%	\$0.00	
63	CHANGE ORDER #12	\$81,879.82	\$81,879.82	\$0.00	\$0.00	\$81,879.82	100%	\$0.00	
64	CHANGE ORDER #13	\$10,322.61	\$10,322.61	\$0.00	\$0.00	\$10,322.61	100%	\$0.00	
65	CHANGE ORDER #14	(\$26,267.35)	(\$26,267.35)	\$0.00	\$0.00	(\$26,267.35)	100%	\$0.00	
66	CHANGE ORDER #15	\$22,849.05	\$22,849.05	\$0.00	\$0.00	\$22,849.05	100%	\$0.00	
67	CHANGE ORDER #16	\$27,885.97	\$27,885.97	\$0.00	\$0.00	\$27,885.97	100%	\$0.00	
68	CHANGE ORDER #17	\$3,031.95	\$3,031.95	\$0.00	\$0.00	\$3,031.95	100%	\$0.00	
69	CHANGE ORDER #18	\$18,402.62	\$18,402.62	\$0.00	\$0.00	\$18,402.62	100%	\$0.00	
	TOTALS	\$15,014,820.35	\$15,014,820.35	\$0.00	\$0.00	\$15,014,820.35	100%	\$0.00	



## Change Order

PROJECT: (Name and address) Pearl Apartments 856 North Old Woodward Birmingham, MI 48009

OWNER: (Name and address)

FLS Properties #5, LLC 2950 Walnut Lake Road West Bloomfield, MI 48323 CONTRACT INFORMATION: Contract For: General Construction

Date: 05/29/2018

ARCHITECT: (Name and address) Marusich Architecture 36880 Woodward Avenue Suite 100

Bloomfield Hills, MI 48304

CHANGE ORDER INFORMATION: Change Order Number: 002R

Date: 11/21/2018

CONTRACTOR: (Name and address) The Douglas Company 1716 Perrysburg Holland Road Holland, OH 43528

#### THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Di

- 1. Vapor barrier required below the slab per PME recommendations ...\$23,220,00
- 2. Future environmental containinated water discharge thru 11/14/18 ...\$12,710.00
- 3. RFI #52 ERS west wall elevation ...\$15,571.92
- 4. Credit for plywood over auger cast piles in lieu of grout ... (\$6,000,00)
- 5. The Douglas Company OH&P ...\$5,150.19
- 6. Architect is to be changed from Krieger Klatt Architects to Marusich Architecture,
- 7. Credit to remove The Douglas Company OH&P from item #2 ...(\$1,271.00)

The original Contract Sum was The net change by previously authorized Change Orders The Contract Sum prior to this Change Order was The Contract Sum will be increased by this Change Order in the amount of The new Contract Sum including this Change Order will be

The Contract Time will be unchanged by zero (0) days. The new date of Substantial Completion will be

13,658,747.00 356,136.00 14,014,883.00

49,381.11 14,064,264.11

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

### NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Marusich Architecture  ARCHITECT (Pirm name)	The Douglas Company CONTRACTOR (Firm name)	FLS Properties #5, LLC  OWNER (Firm name)
SIGNATURE	SIGNATURE MANUELY	SIGNATURE
John MARUSCH	Brian J. McCarthy, Executive Vice President	Frank Simon R Strow
PRINTED NAME AND TITLE PRINCIPAL 1/20/19	DRINTED NAME AND TITLE  JACKEY 23, 2019	PRINTED NAME AND TITLE
DATE	DATE	DATE

11/14/18

FLS Properties #5, LLC

2950 Walnut lake Road West Bloomfield, MI 48323

Re: Proposed Change Order Request #2 The Pearl Development

Dear Mr. Simon,

Please see the cost below for the vapor mitigation required on the project.

This charge will be added to a future change order to the project.

- 1. Vapor Barrier required below the slab per PME recommendations ... \$23,220.00
- 2. Vapor Barrier venting thru building ... \$17,900.00

Subtotal ... \$41,120.00 The Douglas Company OH&P ... \$4,112.00

Total Cost for Proposed Change Order Request #2 ... \$ 45,232.00

If you are in agreement with the above stated pricing, please sign below indicating your approval to proceed and we will process a change order accordingly.

Very truly yours,

THE DOUGLAS COMPANY

Tyle 7. Brunlaugh

Tyler Brumbaugh **Project Manager** 

cc: Brian McCarthy Andrew Best **Nicholas Hamilton** 

APPROVED TO PROCEED FLS Properties #5, LLC

Frank Simon FLS Properties #5

## Change Order

PROJECT: (Name and address)

**Pearl Apartments** 

856 North Old Woodward Birmingham, MI 48009

OWNER: (Name and address) FLS Properties #5, LLC 2950 Walnut Lake Road

West Bloomfield, MI 48323

CONTRACT INFORMATION:

Contract For: General Construction

Date: 05/29/2018

ARCHITECT: (Name and address)
Marusich Architecture

36880 Woodward Avenue

Suite 100

Bloomfield Hills, MI 48304

CHANGE ORDER INFORMATION:

Change Order Number: 003R

Date: 12/17/2018

CONTRACTOR: (Name and address)

The Douglas Company

1716 Perrysburg Holland Road

Holland, OH 43528

#### THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

Approved items per letter dated 12/7/18 from Mr. Facca:

- 1. Item 3: Install metal deck and additional steel at the top of the shafts from 5/25 drawings ...\$15,481.00
- 2. Item 5: Install additional concrete and rebar per 5/25 structural drawings at grade beam ...\$9,289.00
- 3. Item 13: Vapor barrier venting thru building ...\$17,900.00
- 4. Item 15: Drawing revisions 5.25.18 roof parapet steel ...\$26,881..60
- 5. Item 16: Drawing revisions 6.22.18 drawing set ...\$6,651.50
- 6. Item 17: Bulletin 2 revisions made 8.29.18 Victoris Steel only ...\$3,100.50
- 7. Item 20: Steel pricing reduction (detailing time & transportation costs) ...(\$2,000.00)
- 8. Item 6: Install wire shelving ILO plastic laminate shelving in the unit closets ... (\$4,764.00)
- 9. Item 7: Install interior signage as shown on plan below allowance ...(\$2,647.00)
- 10. Item 8: Install a single overhand width brick wall at the north elevation ILO per design ... (\$24,327.00)
- 11. Item 9: Eliminate the casing around all of the unit windows ...(\$5,376.00)
- 12 Item 10: Provide a 10 year manufacturers warranty ILO specified 20 year roof warranty ...(\$9,399,00)

**Total Construction Changes** 

\$30,790.60

TDC OH&P on Construction Changes

\$5,253.36

Total for all changes

\$36,043.96

The original Contract Sum was

The net change by previously authorized Change Orders

The Contract Sum prior to this Change Order was

The Contract Sum will be increased by this Change Order in the amount of

The new Contract Sum including this Change Order will be

The Contract Time will be unchanged by zero (0) days.

The new date of Substantial Completion will be

\$ \_\_13,658,747.00

405,517.11

\$ 36,043.96

14,100,308.07

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

## NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Marusich Architecture
ARCHITECT (Firm name)

The Douglas Company CONTRACTOR (Firm name) FLS Properties #5, LLC

OWNER (Firm name)

All Decument G701<sup>125</sup> – 2017. Copyright © 1879, 1987, 2000, 2001 and 2017 by The American Institute of Architects. All rights reserved. WAPPINC: The All Postument is protected by U.S. Copyright Law and International Treation. Unauthorized reproduction or distribution of this AIA\* Decement, or any portion of it, may result in severe civil and criminal possible, and will be protected to the measurement severe civil and criminal possible, and will be protected to the measurement as a possible under the law. This document was produced by AIA software at 09:13:05 ET on 01/23/2019 under Order No. 1156947933 which expires on 03/05/2019, and is not for reasile. User Notes:

SIGNATURE	B Mature	Dufe L
	Brian J. McCarthy, Executive Vice President	Frank Simon
PRINTED NAME AND TITLE	PRINTED NAME AND TITLE  JACKS 23, 2019	PRINTED NAME AND TITLE
DATE	DATE	DATE



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 VENDOR 66962

DATE **DUE DATE** INVOICE# D25275 9/13/2018 10/13/2018

JOB\_18002-0 COST CODE need

INVOICE TOTAL

\$1,005.00

BILL TO:

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

**Current Account Balance:** 

\$2,290.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE	11000000
M113638	D25275	M113638	TONM	Net 30	10/13/2018	

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	1,700	0.40	680.00
TRUCK CHARGE	1	325.00	325.00
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일하는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들이 되었다. 1982년 - 1985년			
	# 하나 없이 말을 받는다고 있는데 원보스 이 집 하면 있는 이 없었다.		
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나는 사람들은 사람들이 얼마나 살아 있다면 가장 살아 있다. 그 사람들은 살아 나를 받는 것이 없었다.			
SEP <b>2 4</b> 2018			
The Douglas Company			
	CUDTOTAL		<b>\$1,007,00</b>

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



5.00	SUBTOTAL \$1,005.00
11.00	SALES TAX (7.5%) \$0.00
	PAYMENT APPLIED \$0.00
	BALANCE DUE \$1,005.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612

VENDOH06909

PO need

 DATE
 DUE DATE
 INVOICE #

 9/24/2018
 10/24/2018
 D25295

18022-0

COSTCODE

INVOICE TOTAL

\$1,685.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$3,975.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113678	D25295	M113678	TONM	Net 30	10/24/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	3,400	0.40	1,360.00
TRUCK CHARGE	1	325.00	325.00
SACT U # 2018			
The Douglas Company			
		1	

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,685.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,685.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 VENDOR 06902 FEIN # 36-4059612

DATE	DUE DATE	INVOICE#
9/26/2018	10/26/2018	D25554

Po meed

JOB 18022-O COST CODE

INVOICE TOTAL

\$1,725.00

**BILL TO:** 

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$5,700.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113680	D25554	M113680	TONM	Net 30	10/26/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	3,500	0.40 325.00	1,400.00 325.00
THE Douglas Company			

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,725.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,725.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 VENDORO 6902 PO Meed

**DUE DATE INVOICE #** DATE D25569 10/3/2018 11/2/2018

108 180920 GOSTOORE

INVOICE TOTAL

\$1,085.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$6,785.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113707	D25569	M113707	TONM	Net 30	11/2/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	1,900	0.40 325.00	760.00 325.00
RECEIVED  001 1 5 2018  The Douglas Company			

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,085.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,085.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 PO Meld FEIN # 36-4059612 FN DOF 06902

- 180220 COST CODE\_\_\_\_

 DATE
 DUE DATE
 INVOICE #

 10/8/2018
 11/7/2018
 D25584

INVOICE TOTAL

\$1,725.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$8,510.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113711	D25584	M113711	TONM	Net 30	11/7/2018

DESCRIPTION	QUANTITY	RATE	1,400.00 325.00
CONTAMINATED WATER TRUCK CHARGE	3,500	0.40 325.00	
RECEIVED  OCT 1 \$ 2018  The Douglas Company			

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,725.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,725.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 OK902 PO 1900 16 ADO - 0905

DATE	DUE DATE	INVOICE #
10/11/2018	11/10/2018	D25589

OST CODE \_

**INVOICE TOTAL** 

\$1,725.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD **HOLLAND OH 43528** 

Current Account Balance:

\$10,235.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113725	D25589	M113725	TONM	Net 30	11/10/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	3,500	0.40	1,400.00
TRUCK CHARGE	1	325.00	325.00
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#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,725.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,725.00



19701 SOUTH 97th AVENUE, MOKENA IL 60448 FEIN # 36-4059612 NOOR 06702

18 po need

DATE	DUE DATE	INVOICE#
10/17/2018	11/16/2018	D26056

108 18022 COST CODE \_\_\_

INVOICE TOTAL

\$645.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$10,880.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE
M113729	D26056	M113729	TONM	Net 30	11/16/2018

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	800	0.40	320.00
TRUCK CHARGE		325.00	325.00
		in .	
Proceedings of the Control of the Co			
OCT \$ 0 2018			
The Douglas Company			

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$645.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$645.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 VENDOR 06102

DATE	DUE DATE	INVOICE#
10/24/2018	11/23/2018	D26070

JOB 16002-0 GOST CODE

INVOICE TOTAL

\$1,245.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$12,125.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE		
M115261	D26070	M115261	TONM	Net 30	11/23/2018		

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER	2,300	0.40	920.00
TRUCK CHARGE	1	325.00	325.00
Em. d.f. V. Sem. No. F.			
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NOV 0 2 2018			
The Devetes Correspond			
The Douglas Company			
	CLIDTOTAT		01.245.00

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,245.00
<b>SALES TAX (7.5%)</b>	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,245.00



19701 SOUTH 97th AVENUE, MOKENA, IL 60448 FEIN # 36-4059612 VENDOR 06902 PO

8 po need

 DATE
 DUE DATE
 INVOICE #

 11/5/2018
 12/5/2018
 D26099

106 18022-0 COST CODE \_\_\_\_

INVOICE TOTAL

\$1,645.00

#### **BILL TO:**

THE DOUGLAS COMPANY 1716 PERRYSBURG HOLLAND RD HOLLAND OH 43528

Current Account Balance:

\$13,770.00

Please call for a Statement of your Account 1-866-579-6900

#### **SITE ADDRESS:**

THE PEARL 856 OLD WOODWARD BIRMINGHAM, MI

LOAD#	RECEIPT#	MANIFEST #	DRIVER	TERMS	DUE DATE	
M115301	D26099	M115301	TONM	Net 30	12/5/2018	

DESCRIPTION	QUANTITY	RATE	AMOUNT
CONTAMINATED WATER TRUCK CHARGE	3,300	0.40 325.00	1,320.00 k 325.00
The houses common			

#### THANK YOU FOR YOUR BUSINESS

**Billing Questions?** 



SUBTOTAL	\$1,645.00
SALES TAX (7.5%)	\$0.00
PAYMENT APPLIED	\$0.00
BALANCE DUE	\$1,645.00



THE DOUGLAS COMPANY KeyBank, N.A. 1716 PERRYSBURG-HOLLAND RD. NW Ohio HOLLAND, OH 43528 6-103/410

THIS DOCUMENT IS PHOTECTED BY INVISIBLE FIBERS AND CITCHICALLY HEACTIVE PAPER. HOLD TO LIGHT TO VENITY A THUL WATERMARK

126827

DATE:

February 20, 2019

5,260.00

ENDORSE HERE:

PAY Five Thousand Two Hundred Sixty and 00/100 Dollars

TO THE ORDER FUTURE ENVIRONMENTAL, INC. 19701 SOUTH 97TH AVENUE

OF

MOKENA, IL 60448

#126827# #O41001039#359681488094#

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# THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410

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126609

DATE:

January 29, 2019

8,510.00

ADDITIONAL SECURITY FEATURES. 🕒

PAY Eight Thousand Five Hundred Ten and 00/100 Dollars

TO THE

FUTURE ENVIRONMENTAL, INC. 19701 SOUTH 97TH AVENUE

ORDER OF

MOKENA, IL 60448

#126609# #O41001039#359681488094#

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660 Woodward Ave. Suite 1945 Detroit, MI 48226 313/535-6534 ph. 313/535-6850 fax

bdarin@dixon99.com 8105883932 cell

9/11/18 Revised

856 N. Old Woodward B'ham, Michigan

Provide vapor mitigation intrusion system at four different area's under concrete floor.....\$23,220.00

Quote based PM Environmental's figure 3 drawing dated 10/25/16 and Cetco's "Liquid Boot Plus" system, approx. 225' of venting, four days of smoke testing, four mobilization's and one vent riser for each area stubbed to 2' above finished floor.

Bld does not include temporary protection, substrate prep, dewatering, third party testing, inspection and engineering. No premium time or work above vent risers included.

Thank you, Bill Darin

#### SUBCONTRACTOR APPLICATION FOR PAYMENT

Subcontractor Company Name:

Dixon, Inc.

Contact Person: Danielle Ebel : Debel@dixon99.com

Telephone: 313-535-6534

\_. \_ .

Fax: 313-535-6850

Project Name: The Pearl

Billing Period beginning: 4/1/2019

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

The undersigned certifies that to the best of their knowledge, information, and belief, the Work covered by this Subcontractor Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Subcontractor for Work for which previous Applications for Payments were issued and payments received, and that current payment shown herein is now due.

	Scheduled Value	Previou	Work Completed Previous Application		Stored Materials (Attach supplier invoice)	Stored	j	%	And the second s
Original Contract (from page 2)	: <b>\$</b>	23,220.00 \$	7,963.95	\$ 15,256.0	5   \$	- \$	23,220.00	100%	
Approved Change order (from page 3)	\$	1,018.00   \$	1,018.00	<b>\$</b> -	\$	- \$	1,018.00	100%	1
Total Contract and Change Orders Signature	IH.	24,238.00 \$	8,981.95 4/17/19	· Т	Less _% reta otal carned less reta ess provious applica Amount	ation \$	24,238.00 2,423.80 21,814.20 8083.76 137.30.4	111	***************************************

Printed Name:

Elmer H. Dixon

Title: President

#### FOR DOUGLAS COMPANY USE ONLY

Notes:

Approvals:

Vendor # 18022-0

Rev. Contract Amount
Balance to Complete
Curr. Ret. Bal.
Gross
Retention
Net

1373044

#### Dixon, Inc.

Project: The Pearl Billing for Period: 4/1/2019

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

Item No.	Scheduled Value	Work Completed Previous Application (B)	Work Completed this period	Stored Materials (Attach supplier invoice) (D)	Completed and Stored Project to Date Amount (B/C/D)	% B/C/D
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South Stairwell & Elevator Shaft	2,322.00		2,32		2,322.00	
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Total Original Contract(to page 1)	\$ 23,220.0	0 \$ 7,963	.95 \$ <b>15,2</b> 5	6.05 \$	\$ 23,220.00	100%

Note: Provide a detailed breakdown of original contract schedule of values. If space is needed, attach additional pages.

Subcontractor Company Name:

Project: The Pearl Billing for Period: 4/1/2019

Dixon, Inc.

Location: 856 North Old Woodward Ave. Birmingham, MI 48009

Through: 4/25/2019

Change Order #	Scheduled Value	Work Cou Previous Application (B)		Work Completed this period	Stored Materials (Attach supplier invoice) (D)	Project to Dat Amount (B/C/D)	
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Total Approved	\$	1,018,00 \$	1,018.0	0 \$ .	\$	. \$	0.00 1,018.00 <b>100%</b>
Change Orders (to page 1)	v			:			; ;

Note: Provide detailed breakdown of all issued change orders by their respective change order number. Do not include unapproved change requests.

THE DOUGLAS COMPANY 04647 DIXON INC. 132633 23, 2020 DIXON INC November 18-022-0 18-022-0 18-022-0 18-022-0 18-022-0 18-022-0 07100 07100 07100 07100 07100 07100 AMOUNT 226.39 101.80 1525.61 570.00 0 1 / 2 5 / 1 0 3 / 2 5 / 1 0 3 / 2 5 / 1 0 4 / 2 5 / 1 1 2 / 2 5 / 1 1 8 0 2 2 - F 0ATE 1 / 2 5 / 1 9 3 / 2 5 / 1 9 4 / 2 5 / 1 9 1 2 / 2 5 / 1 8 1 2 / 3 1 / 1 9  $\begin{array}{c} 1 \ 0 - 1 \ 0 - 5 \ 1 \ 1 \ 0 \ . \ 0 \ 0 \ 0 \ 0 \ 0 \\ 1 \ 0 - 1 \ 0 - 5 \ 1 \ 1 \ 0 \ . \ 0 \ 0 \ 0 \ 0 \ 0 \\ 1 \ 0 - 1 \ 0 - 5 \ 1 \ 1 \ 0 \ . \ 0 \ 0 \ 0 \ 0 \ 0 \\ 1 \ 0 - 1 \ 0 - 5 \ 1 \ 1 \ 0 \ . \ 0 \ 0 \ 0 \ 0 \ 0 \\ 1 \ 0 - 1 \ 0 - 5 \ 1 \ 1 \ 0 \ . \ 0 \ 0 \ 0 \ 0 \ 0 \end{array}$ 01/01 -03/01 -04/01 -12/25/18 18-022-0 0 .00 0 2423.80 11/23/20 132633 . 0 0 2423.80

THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410 132633

DATE: November 23, 2020

-> PAY 217412131810

\$ 2,423.80

 ${\tt PAY} \quad {\tt Two \ Thousand \ Four \ Hundred \ Twenty-Three \ and \ 80/100 \ Dollars}$ 

TO THE ORDER OF

DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226

\*\* C O P Y \*\*

THE DOUGLAS COMPANY

**132633**November 23, 2020

DIXON INC.

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3/25/19	18-022-0	10-10-5110.00000	07100	03/01 - 0	03/25/1	101.80	.00
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THE DOUGLAS COMPANY 1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528

KeyBank, N.A. NW Ohio 6-103/410 132633

DATE: November 23, 2020

PAY 21423 80 CENTS

\$ 2,423.80

PAY Two Thousand Four Hundred Twenty-Three and 80/100 Dollars

TO THE ORDER OF

DIXON INC. 660 WOODWARD AVE SUITE 1945 DETROIT, MI 48226

**COPY** 



## THE DOUGLAS COMPANY

1716 PERRYSBURG-HOLLAND RD. HOLLAND, OH 43528 KeyBank, N.A. NW Ohio 6-103/410

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132633

DATE: November 23, 2020

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\$ 2,423.80

ADDITIONAL SECURITY PEATURES, -D DETAILS ON BACK

PAY Two Thousand Four Hundred Twenty-Three and 80/100 Dollars

TO THE

DIXON INC.

ORDER

660 WOODWARD AVE

OF SUITE 1945

DETROIT, MI 48226

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#### PARTIAL CONDITIONAL WAIVER OF LIEN

Owner:

FLS Properties #5, LLC

Contractor:

The Douglas Company

Project:

The Pearl

Contract:

May 29, 2018

Contractor, The Douglas Company, upon the receipt of \$1,250,000.00 for Application #24 related to work through 8/25/2020 for labor, material, and services provided by Contractor in connection with the above referenced Project and Contract, Contractor will waive any and all rights that it may have to file a mechanic's lien to the extent of the sums received.

#### THE DOUGLAS COMPANY

By: Josette S. Ludwig

Title: Controller

Sworn to before me this 15th day of Oct., 2020

Notary

My commission expires: 3/22/2022

Notary Public - State of Ohio
My Commission Expires March 22, 2022

#### BROWNFIELD REIMBURSEMENT AGREEMENT

THIS AGREEMENT (the "Agreement") dated ///// , is entered into between the CITY OF BIRMINGHAM ("City") and the CITY OF BIRMINGHAM BROWNFIELD REDEVELOPMENT AUTHORITY (the "Authority"), an authority established pursuant to Act 381 of Public Acts of 1996, as amended ("Act 381"), whose addresses are 151 Martin Street, Birmingham, Michigan 48009; and FLS PROPERTIES #5 LLC (the "Developer"), a Michigan limited liability company, whose address is 2950 Walnut Lake Road, West Bloomfield, Michigan 48323.

#### Recitals

- A. In accordance with Act 381, the Authority has adopted a Brownfield Plan for 856 N. Old Woodward Avenue, Birmingham, Michigan, that the City Commission of the City has approved (the "Brownfield Plan").
- B. The Developer owns property in the City located at 856 N. Old Woodward Avenue, Birmingham, Michigan (the "Property"), which is described on the attached Exhibit A. The Property is included in the Brownfield Plan as an eligible Property because it is a Facility due to the presence of hazardous substances on the Property as described in the Brownfield Plan.
- C. The Developer plans to redevelop the Property by constructing a mixed-use residential/retail building with underground parking (the "Improvements"). The Improvements are intended to create temporary construction jobs and new full time jobs, increase the tax base of the City, and otherwise enhance the economic vitality and quality of life of the City.
- D. Act 381, as amended, authorizes the Authority to reimburse a developer for the costs of Eligible Activities on Eligible Property using Tax Increment Revenues generated by the redevelopment of the property.

- E. To make the Improvements on the Property, the Developer may incur costs to conduct Eligible Activities—including Baseline Environmental Assessment Activities, Due Care Activities, Additional Response Activities, and the reasonable costs to prepare the Brownfield Plan—each of which will require the services of contractors, engineers, environmental consultants, and other professionals (the "Eligible Costs"). The Developer estimates the total Eligible Costs, including contingencies, to be approximately \$2,981,610.
- F. The Brownfield Plan authorizes the use of Tax Increment Revenues that are generated by Local Taxes and School Taxes imposed on the Property to reimburse the Developer for Eligible Costs.
- G. The parties are entering into this Agreement to establish the procedure for reimbursing the Eligible Costs and using Tax Increment Revenues in accordance with Act 381, as amended, and the Brownfield Plan.

Accordingly, the parties agree with each other as follows:

- 1. The Brownfield Plan. The Brownfield Plan is attached as Exhibit B and incorporated in this Agreement. To the extent provisions of the Brownfield Plan conflict with this Agreement, this Agreement controls. To the extent provisions of the Brownfield Plan or this Agreement conflict with Act 381, as amended, Act 381 controls.
- 2. Term of Agreement. In accordance with the Brownfield Plan, the Authority will capture the Tax Increment Revenues generated by the Improvements on the Property to reimburse the Eligible Costs until the earlier of the date that all the Eligible Costs are fully reimbursed under this Agreement or 10 years after the date the Authority begins to capture Tax Increment Revenues under the Brownfield Plan.

- 3. <u>Eligible Activities</u>. The Authority will reimburse the Developer for Eligible Costs identified in the Brownfield Plan that were incurred before the Birmingham City Commission approves the Brownfield Plan if permitted under Act 381, as amended. The Developer must diligently pursue completion of the Eligible Activities set forth in the Brownfield Plan.
- 4. Reimbursement Source. During the term of this Agreement, the Authority will capture the Tax Increment Revenues generated by the Improvements from Local Taxes and School Taxes imposed on the Property and any personal property located on the Property and use those Tax Increment Revenues to reimburse the Eligible Costs (including interest) in accordance with the Brownfield Plan and this Agreement.
- 5. <u>Limitations on Reimbursement</u>. The Authority will reimburse Eligible Costs up to but not exceeding the line item costs described in the Brownfield Plan, plus a maximum of 15% contingency for each line item. The Brownfield Authority will not reimburse amounts attributable to costs of closure to residential standards estimated to be \$325,000. Reimbursable Eligible Costs will not exceed \$2,656,610, including simple interest at 3%. If relevant State of Michigan agencies do not approve the School Taxes component of the Brownfield Plan, estimated to be \$1,247,478, including simple interest at 3%, the Brownfield Authority will not reimburse the Developer for such amounts from the Local Taxes component. Reimbursement from Local Taxes will not exceed \$1,409,132, including simple interest at 3%.
- 6. Reimbursement Process. (a) On a quarterly basis, the Developer may submit to the Authority a request for cost reimbursement for the Eligible Costs the Developer incurred during the prior period. This request will be in the form attached as Exhibit C ("Petition"). The Petition will identify whether the Eligible Activities are: (1) Baseline Environmental Assessment Activities; (2) Due Care Activities; (3) Additional Response Activities; (4) the reasonable costs to

prepare the Brownfield Plan; or (5) interest. The Petition must describe each activity claimed as an Eligible Activity and the associated costs of that activity. Documentation of the costs incurred must be included with the Petition, including proof of payment and detailed invoices for the costs incurred sufficient to determine whether the costs incurred were for Eligible Activities. The Petition must be signed by an authorized representative of Developer.

- (b) The Authority will review a Petition within 60 days after receiving the Petition. The Developer will cooperate with the Authority by providing information and documentation to supplement the Petition as requested by, and as deemed reasonable and necessary by, the Authority. Within such 60 days, the Authority will identify in writing to Developer (i) all costs approved for reimbursement, and (ii) any costs deemed ineligible for reimbursement and the basis for the determination. The Developer then has 45 days to provide supplemental information or documents to support of any costs deemed ineligible by the Authority. Within 30 days after the Developer provides the supplemental information or documents, the Authority will decide on the eligibility of the disputed cost and inform the Developer in writing of its decision. The Developer may appeal the Authority's decision pursuant to law.
- (c) Twice a year, after the summer and winter taxes are collected on the Property, the Authority will capture the Tax Increment Revenues in accordance with the Brownfield Plan and will use those Tax Increment Revenues to reimburse the Developer for approved Eligible Costs (including accrued interest). The Authority is not obligated to reimburse the Developer for any approved Eligible Costs during any period of time that the Developer is delinquent in the payment of real or personal property taxes imposed on the Property or delinquent in the payment to the City for administrative, legal, or other costs invoiced to the Developer.

- (d) If there are insufficient funds available from Tax Increment Revenues captured under subparagraph (c) at any time to pay all the Developer's unreimbursed Eligible Costs and accrued interest, the Authority is not required to reimburse the Developer from any other source. The Authority will, however, make additional payments toward the Developer's remaining unreimbursed Eligible Costs and accrued interest in accordance with this Agreement as Tax Increment Revenues become available under subparagraph (c).
- (e) Subject to Section 5(d), payment of Eligible Costs to the Developer is not conditioned on the completion of any of the Improvements at any time or in any sequence so long as Developer is in compliance with its obligations and duties under this Agreement.
  - (f) The Authority will reimburse the Developer for Eligible Costs as follows:

Check shall be payable to:

FLS Properties #5 LLC

Delivered to the following address:

2950 Walnut Lake Road West Bloomfield, MI 48323

Attn: Frank Simon

By certified mail.

- (g) Developer may assign its payments to any person by providing 45 days' prior notice to the Authority of such assignment. Any such assignment does not discharge or release Developer from any of its obligations and duties under this Agreement.
- 7. <u>Information</u>. The Developer will provide to the Authority any information the Authority considers necessary to fulfill any reporting obligation to the State of Michigan under Act 381, as amended.
- 8. Legislative Authorization. This Agreement is governed by and subject to the restrictions set forth in Act 381, as amended. If legislation is enacted in the future that alters or affects the terms of this Agreement, including, but not limited to, the amount of Tax Increment Revenues subject to capture or the definition of Eligible Property or Eligible Activity, then the

Developer's rights and the Authority's obligations under this Agreement may be modified accordingly by agreement of the parties.

- 9. Freedom of Information Act. All Petitions and documentation submitted by Developer are open to the public under the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231 et seq. The Developer will not bring any claim of trade secrets or other privilege or exception to the Freedom of Information Act related to such Petitions and documentation.
- 10. <u>Plan Modification</u>. The Brownfield Plan may be modified to the extent allowed under Act 381, as amended, by mutual agreement of the parties.
- 11. <u>Notices</u>. All notices shall be given by registered or certified mail addressed to the parties at their respective addresses as shown above. Either party may change the address by written notice sent by registered or certified mail to the other party.
- 12. <u>Assignment</u>. The interest of any party under this Agreement shall not be assignable without the other party's written consent, which shall not be unreasonably withheld, except that the Developer may assign this Agreement for purposes of securing financing for the Improvements without the prior consent of the Authority.
- 13. Entire Agreement; Amendment. This Agreement constitutes the entire agreement between the parties. No other agreements, written, oral, express or implied, have been made or entered into by the parties concerning the subject matter of this Agreement. This Agreement may be modified or amended only by subsequent written agreement executed by all of the parties. This Agreement has been the subject of negotiations between the parties and may not be construed against any party as drafter.

- 14. <u>Non-waiver</u>. No delay or failure by either party to exercise any right under this Agreement, and no partial or single exercise of that right, will constitute a waiver of that or any other right, unless otherwise expressly provided in this Agreement.
- 15. <u>Headings</u>. Headings in this Agreement are for convenience only and may not be used to interpret or construe its provisions.
- 16. Governing Law. This Agreement is to be construed in accordance with and governed by the laws of the State of Michigan.
- 17. <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together constitute one and the same instrument.
- 18. <u>Binding Effect</u>. The provisions of this Agreement are binding upon and inure to the benefit of each of the parties and their respective heirs, legal representatives, successors, and assigns.
- 19. <u>Definitions</u>. Unless otherwise defined in this Agreement, the following terms have the definitions given to them by Act 381, as amended:
  - (a) "Additional Response Activities" is defined by Section 2(a) of Act 381;
  - (b) "Baseline Environmental Assessment" is defined by Section 2(c) of Act 381;
  - (c) "Baseline Environmental Assessment Activities" is defined by Section 2(d) of Act 381;
  - (d) "Brownfield Plan" is defined by Section 2(g) of Act 381;
  - (e) "Due Care Activities" is defined by Section 2(1) of Act 381;
  - (f) "Eligible Activities" is defined by Section 2(n) of Act 381;
  - (g) "Eligible Property" is defined by Section 2(o) of Act 381;

- (h) "Facility" is defined by Section 2(q) of Act 381;
- (i) "Local Taxes" is defined by Section 2(y) of Act 381;
- (j) "School Taxes" means "taxes levied for school operating purposes" as defined by Section 2(kk) of Act 381;
- (k) "Tax Increment Revenues" is defined by Section 2(ii) of Act 381;

  Subject to Section 1, if these definitions are amended during the term of this Agreement, the defined terms shall be construed to the fullest extent possible to conform to the provisions of this Agreement.

The parties have executed this Agreement of the dates set forth below.

CITY OF BIRMINGHAM

By: Rachling J. Hoff

Title: MAYOR

By: Myor

By: Myor

City of Birmingham Brownfield

REDEVELOPMENT AUTHORITY

By: Acth Holley

Title: Chair, Brownfield Redevelopment

Authority

Date: 11/15/16

FLS PROPERTIES #5 LLC	
By: FINK R James	
Title: PRESIDENT/OWNER	
Date: 1/-7-16	

#### Exhibit A

Property Description

Located in the City of Birmingham, County of Oakland, State of Michigan, and described as:

T2N, R10E, SEC 25 ASSESSOR'S PLAT NO 29 LOTS 3 & 4, ALSO PART OF NW 1/4 BEG AT PT DIST S 88-16-00 E 10.15 FT FROM NW COR OF SD LOT 3, TH S 88-16-00 E 124.70 FT, TH N 49-21-00 W 46.41 FT, TH S 73-32-00 W 93.28 FT TO BEG

Tax ID #08-19-25-328-001

# Exhibit B

Brownfield Plan

# CITY OF BIRMINGHAM BROWNFIELD REDEVELOPMENT AUTHORITY

# **BROWNFIELD PLAN**

MIXED USE DEVELOPMENT LOCATED AT 856 NORTH OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

July 26, 2016 Revised November 3, 2016

Approved by BRA: 9/27/2016

Approved by City Commission: 10/27/2016

# Prepared on Behalf of:

FLS Properties #5, LLC 2950 Walnut Lake Road Contact Person: Mr. Frank Simon Telephone: (248) 720-0290

#### Prepared By:

PM Environmental, Inc. 4080 West Eleven Mile Road Berkley, Michigan 48072 Contact Person: Elizabeth Masserang Telephone: (248) 414-1441 PM Environmental, Inc. 4080 West Eleven Mile Road Berkley, Michigan 48072 Contact Person: Adam Patton, CHMM Telephone: (248) 336-9988



#### PROJECT SUMMARY

Project Name:

**Proposed Mixed-use Development** 

Project Location:

The property is located at 856 North Old Woodward Avenue

in Birmingham, Oakland County, Michigan.

Type of Eligible

Property:

**Facility** 

Eligible Activities:

Baseline Environmental Assessments, Due Care Activities,

and Preparation of a Brownfield Plan.

Reimbursable Costs:

Up to \$2,656,610

Years to Complete Reimbursement:

Approximately 14 years is anticipated, however, the

Birmingham Brownfield Redevelopment Authority (BBRA) has

requested the payback period be limited to 10 years.

Estimated Capital Investment:

Approximately \$14-16 million

**Project Overview:** 

This project includes response activities for the remediation and redevelopment of a brownfield site, which currently consists of a vacant, underutilized eyesore for the city. The existing site conditions and contamination have deterred several past attempts to bring the vacant site into successful reuse.

The proposed redevelopment entails the new construction of a mixed-use residential/retail building with underground parking. The proposed redevelopment involves significant investment. Remediation and redevelopment is anticipated to commence in late 2016/early 2017 and create 20 to 30 permanent jobs.

#### III. BROWNFIELD PROJECT

#### DECRIPTION OF THE ELIGIBLE PROPERTY AND THE PROJECT

The Eligible Property consists of one legal parcel totaling 0.57 acres with a street address of 856 North Old Woodward Avenue in Birmingham, Oakland County, Michigan and the tax ID number of 08-19-25-328-001 (the "Property").

This parcel and all tangible personal property located thereon will comprise the eligible property and is referred to herein as the "Property." The legal description is included in Appendix A.

FLS Properties #5 LLC or any affiliate, as approved by the Authority, are collectively the project developer ("Developer").

The property is currently vacant land, located between North Old Woodward Avenue and the Rouge River, south of Oak Avenue. The Property was used as a gas station from 1937 to 1940, a gift shop from 1940 to 1949, and a restaurant from 1949 to 1988, when the former building was demolished. Since that time, the property has been used as a debris and dumping site and is currently a vacant underutilized eyesore. Numerous impediments have deterred developer investment in to subject property due to known contamination and challenging geotechnical conditions.

The proposed redevelopment includes site improvements and new construction of a four story mixed-use commercial and residential property. The new building includes the creation of approximately 27 residential units with an anticipated 3,500 square feet of retail space on the first floor and underground parking. Each residential unit will range in size from 900 to 1,900 square feet. This project will result in the elimination of an eyesore in the City that has been vacant for decades. Redevelopment of this vacant underutilized property, will provide additional residential and commercial space in a key corridor, Old Woodward Avenue, as well as remediate and eliminate the existing conditions. The proposed underground parking creates a significant added cost to the developer while benefiting the surrounding area by increasing density.

Redevelopment activities are proposed for the end of 2016/early 2017. The developer will invest an estimated \$12-14 Million dollars in the redevelopment and create approximately 20-25 construction jobs, and 20-30 permanent jobs.

Appendix C includes site maps of the parcel and an eligible property boundary map. Preliminary site plans are included in Appendix D.

#### **BASIS OF ELIGIBILITY**

The Property is considered "Eligible Property" as defined by Act 381, Section 2 because: (a) the Property was previously utilized as a commercial property; and (b) the parcel comprising the Property has been determined to be a "facility."

A Baseline Environmental Assessment (BEA) was completed in September 2015 and documents the following information. A copy of the BEA text, figures, and tables are also provided in Appendix B.

- a. Excavation of up to 6,705 tons of hazardous material totaling \$270,547
  - i. Excavation at a cost differential of \$40.35/ton when compared to a similar excavation occurring at a greenfield site.
- b. Transport of 20,095 tons of contaminated soil totaling \$412,553
  - i. Transport of up to 13,390 tons of soil to a Type II Landfill at \$7/ton totaling \$93,730.
  - ii. Transport of up to 6,705 tons of hazardous material at \$47.55/ton totaling \$318,823.
- c. Disposal of 20,095 tons of contaminated soil totaling \$1,159,735:
  - i. Disposal of up to 13,390 tons of soil to a Type II Landfill at \$11.50/ton totaling \$153,985.
  - ii. Disposal of up to 6,705 tons of hazardous material at \$150/ton totaling \$1,005,750.
- d. Excavation equipment decon and decon waste water handling totaling \$7,500.
- e. Additional delineation sampling of tetrachloroethylene soil concentrations identified along the northern and eastern subject property boundaries and totaling \$21,945:
  - i. Mobilization, onsite labor for oversight, screening, and sample collection at an estimated \$2,550
  - ii. Consultant equipment and supplies at an estimated \$600
  - iii. Data evaluation and project management for reporting at an estimated \$3,500
  - iv. Drilling and operations at an estimated \$5,275
  - v. Lab analysis of 36 samples for VOCs at an estimated \$2,520
  - vi. Project management associated with hazardous material at an estimated \$7,500
- f. Associated excavation oversight, excavation verification sampling, and reporting accounts for the following and totaling \$28,475:
  - i. Mobilization, oversight, and sample collection at an estimated \$12.375.
  - ii. Consultant Equipment and Supplies at an estimated \$1,200.
  - iii. Data Evaluation, project management, and report preparation at an estimated \$4,500.
  - iv. Sampling for VOCs, PNAs, PCBs, Michigan 10 metals at an estimated \$9,800 (28 samples at \$350/sample)
  - v. Up to one sample for TCLP at an estimated \$600.
- g. Management and disposal of up to 30,000 gallons of contaminated groundwater and totaling **\$49,260** 
  - i. On-site storage management at an estimated \$7,500.
  - ii. Disposal at an estimated \$1.40 per gallon, totaling \$41,760.

Plan accounts only for the added expense of proper transport and disposal of contaminated soils at a Type II Landfill. In comparison, should the soils anticipated for removal have been clean (as assumed if found on a greenfield site), the cost to the developer would be zero sum (i.e. the coordination of disposal costs negated by the successful reuse at another site). A portion of contaminated soils (approximately 6,705 of the identified 20,095 tons), located along the northern property boundary are anticipated to require disposal as a listed hazardous waste.

## **Excavation Equipment Decon and Decon Wastewater Handling**

It will be required that all excavation equipment is decontaminated because site soils are contaminated. Costs included within this estimate account for mud mat and truck waste removal from excavation equipment which is necessary to prevent migration of contamination off-site.

## Additional delineation and sampling of Tetrachloroethylene soils

Additional delineation activities are to be completed to fully define the extent of the hazardous waste concentrations to allow compliant handling and disposal and to avoid over excavation of soils at the increased hazardous waste disposal rate.

## Associated excavation oversight, verification sampling, and reporting

Assessment, oversight, sampling, and reporting is also included to document and verify site conditions following soil removal activities and provide guidance for the removal of soil identified as listed hazardous waste.

# Transport and disposal of contaminated groundwater

Development activities require the excavation of/handling of groundwater present within excavated areas of the subject property; therefore, the developer is required to properly to handle and dispose of contaminated media encountered/generated in association with the proposed redevelopment. This is necessary to ensure successful completion of project.

The incremental difference between clean versus dirty pumping and digging cannot be substantiated. Therefore, the requested expenses are only associated with additional costs required for the on-site storage management and disposal of contaminated groundwater.

#### Installation of a vapor barrier and gaskets resistant to chemical breakdown

This brownfield plan includes the installation of a chemically resistant vapor barrier with passive venting prior to occupancy. The installation of a vapor barrier will occur to control migration via potential preferential vertical migration pathways including stairwells and elevator pits covering an estimated 20,000 square feet of floor space and 1,500 square feet of the northwestern wall following the proposed soil removal. This also includes the installation of gaskets resistant to chemical breakdown by the identified contamination. PCE contaminated soils are being removed; however, PCE concentrations will not be completely remediated by the removal activities.

## D. <u>Method of Financing and Description of Advances by the Municipality</u>

Redevelopment activities at the property will be funded by FLS Properties #5 LLC. Costs for eligible activities funded by FLS Properties #5 LLC will be repaid with incremental taxes generated by future development of the property and administered through the BBRA. No advances will be made by the BBRA for this project. All reimbursements authorized under this Brownfield Plan shall be governed by the Reimbursement Agreement.

# E. Maximum Amount of Note or Bonded Indebtedness

No note or bonded indebtedness will be incurred by any local unit of government for this project.

# F. <u>Duration of Brownfield Plan</u>

In no event shall the duration of the Plan exceed 35 years following the date of the resolution approving the Plan, nor shall the duration of the tax capture exceed the lesser of the period authorized under subsection (4) and (5) of Section 13 of Act 381 or 30 years. Further, in no event shall the beginning date of the capture of tax increment revenues be later than five years after the date of the resolution approving the Plan.

Under approval granted by the BBRA, a reimbursement period limitation of 10 years has been imposed.

# G. <u>Effective Date of Inclusion in Brownfield Plan</u>

The Property will become part of this Plan on the date this Plan is approved by the City of Birmingham City Commission.

# H. <u>Displacement/Relocation of Individuals on Eligible Property</u>

There will be no displacement or relocation of persons or businesses under this Plan.

# I. Local Site Remediation Revolving Fund ("LSRRF")

The BBRA has not established a Local Site Remediation Revolving Fund (LSRRF), therefore, use of a Local Site Remediation Revolving Fund is not part of the scope of this project.

## J. Other Material that the Authority or Governing Body Considers Pertinent

The Developer and its affiliates shall comply with all applicable laws, ordinances, executive orders, or other regulations imposed by the City or any other properly constituted governmental authority with respect to the Property and shall use the Property in accordance with this Plan.

# **LEGAL DESCRIPTION**

T2N, R10E, SEC 25 ASSESSOR'S PLAT NO 29 LOTS 3 & 4, ALSO PART OF NW 1/4 BEG AT PT DIST S 88-16-00 E 10.15 FT FROM NW COR OF SD LOT 3, TH S 88-16-00 E 124.70 FT, TH N 49-21-00 W 46.41 FT, TH S 73-32-00 W 93.28 FT TO BEG



Detroit 4080 W. 11 Mile Road Berkley, MI 48072 f: 877.884.6775 t: 248.336.9988 Lansing 3340 Ranger Road Lansing, MI 48906 f: 877.884.6775 t: 517.321.3331 Grand Rapids 560 5th Street NVV, Suite 301 Grand Rapids, MI 49504 f: 877.884.6775 t: 616.285.8857

September 4, 2015

District Supervisor
Michigan Department of Environmental Quality
Southeastern Michigan District Office
27700 Donald Court
Warren, Michigan 48092

RE: Baseline Environmental Assessment for the Vacant Land located at

856 North Old Woodward Avenue, Birmingham, Michigan

Parcel ID: 08-19-25-328-001

PM Environmental, Inc. Project No. 01-5889-0-001

Dear District Supervisor:

Enclosed is a copy of the Baseline Environmental Assessment prepared for the above referenced subject property in accordance with Section 20126(1)(c) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994 (Part 201), as amended.

If you have any questions regarding the information in this report, please contact us at 248-336-9988.

Sincerely,

PM ENVIRONMENTAL, INC.

Mine Kune

Nicole Kane Staff Scientist Jennifer Ritchie, CPG
Regional Site Investigation Manager

**Enclosure** 

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#### 1.0 INTRODUCTION AND DISCUSSION

PM Environmental, Inc. (PM) completed a Baseline Environmental Assessment (BEA) for the vacant land (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009 (hereafter referred to as the subject property). The subject property consists of one 0.57 acre parcel and is located east of North Old Woodward, west of the Rouge River and Woodward Avenue, and south of Oak Avenue (Figure 1). The subject property consists of vacant land with asphalt paved parking in the northeastern portion, remnants of a building foundation in the northern portion, and grass in the remaining portions (Figure 2). The property has a down-gradient slope from North Old Woodward Avenue east to where it adjoins the Rouge River, which is an elevation difference of approximately 15 feet.

Standard and other historical sources documented that the subject property was developed in at least 1937 with a gasoline dispensing station and one other structure, likely a residential dwelling, in the northern and eastern portions of the subject property. In 1940, the gasoline dispensing station was converted to a gift shop. By 1946, a residential dwelling was reportedly converted into a tea room and restaurant in the western portion of the subject property. The gift shop appears to have been demolished by 1949. The tea room and restaurant operated until 1988, when the commercial building was demolished.

#### 1.1 Owner/Operator Information

FLS Properties #5, LLC, P.O. Box 689, Bloomfield Hills, Michigan 48303 purchased the property July 28, 2015.

# 1.2 Intended Use of the Subject Property

FLS Properties #5, LLC intends to redevelop the property for mixed commercial and residential use with no significant chemical use and storage greater than household quantities. The proposed building will consist of open underground parking, first floor parking with limited commercial space, and second, third, and fourth floor residential apartments. The intended use is consistent with a residential and nonresidential property use in accordance with Part 201.

Municipal water and sewer, as well as natural gas, and electrical utilities are available to the subject property. No water supply wells exist or will be installed in association with the subject property.

#### 1.3 Summary of All Appropriate Inquiry Phase I Environmental Assessment

ASTI Environmental (ASTI) performed a Phase I Environmental Site Assessment (ESA) for the subject property dated April 10, 2015, in conformance with the scope and limitations of ASTM Practice E 1527-13 (i.e., the 'ASTM Standard'). A copy of the April 2015 Phase I ESA, including photographs of the subject property, is included in Appendix A.

The following onsite recognized environmental conditions (RECs) were identified in ASTI's April 2015, Phase I ESA:

 Review of historical records document that the subject property was occupied by a gasoline dispensing station from at least 1937 to 1940. No records are available documenting the presence or removal of former underground storage tanks (USTs). No documentation of site assessment activities were available for review documenting proximity of the west adjoining property to the subject property, the potential exists that contamination has migrated onto the property.

## 1.3.1 Phase I ESA Exceptions or Deletions

There were no exceptions or deletions from the Federal All Appropriate Inquiry Rule under 40 CFR 312, or the ASTM Standard during the completion of the ASTI's April 2015 Phase I ESA. No special terms or conditions applied to the preparation of the Phase I ESA.

## 1.3.2 Phase I ESA Data Gaps

ASTI did not identify any significant data gaps during the completion of the April 2015 Phase I ESA.

# 1.4 Summary of Previous Site Investigations

PM reviewed the following previous environmental reports for the subject property which are included within ASTI's April 2015 Phase I ESA, which is included within Appendix A. Tables and figures from the previous subsurface investigations are included within Appendix B.

Name of Report	Date of Report	Company that Prepared Report
Phase I ESA	October 23, 2006	Soils and Materials Engineers, Inc. (SME)
BEA	November 6, 2006	SME

Phase I ESA, October 2006, SME – SME completed a Phase I ESA dated October 23, 2006. At the time of SME's Phase I ESA, the subject property was vacant land. SME identified RECs in association with the 1) debris and fill material located on the subject property; 2) the fuel oil tank identified in historical records; 3) volatile organic compounds (VOCs) and lead detected in soil and groundwater samples collected from the subject property above the Part 201 Residential and Nonresidential cleanup criteria; and, 4) the north adjoining dry cleaner.

**BEA, November 2006, SME** – SME completed a BEA dated November 6, 2006. The BEA summarizes subsurface investigation activities completed by SME on September 26, 2006 to assess the RECs identified in the September 2006 Phase I ESA, a Geotechnical Investigation report dated October 20, 2006 completed as part of a proposed future development at the time, and two previous subsurface investigations completed in 2002 and 2005.

On September 26, 2006 SME completed a scope of work that consisted of the advancement of seven soil borings (SP1 through SP7), the installation of four temporary monitoring wells (SP1, SP2, SP4, and SP7), and the collection of six soil samples and three groundwater samples for laboratory analysis of VOCs, polynuclear aromatic compounds (PNAs), and metals (cadmium, chromium, and lead) to assess the RECs identified in the September 2006 Phase I ESA. Concentrations of benzene, tetrachloroethene, and xylenes were detected in the soil sample collected at SP6 (7.0-8.0 feet bgs) above the Part 201 Residential and Nonresidential Drinking Water Protection (DWP) and Groundwater Surface Water Interface Protection (GSIP) cleanup criteria. Concentrations of benzene, lead, and MTBE were detected in the groundwater samples collected at SP2 and SP7 above the Part 201 Residential and Nonresidential Drinking Water (DW) and Groundwater Surface Water Interface (GSI) cleanup criteria. No other concentrations of

# 1.5 Current Site Investigation

Prior to the commencement of field activities, MISSDIG, a utility locating service, was contacted to locate utilities on or adjacent to the subject property. Utilities were marked by the respective utility companies where they entered or were located adjacent to the subject property. In addition, PM cleared all soil boring locations of private utilities with ground penetrating radar (GPR).

## 1.5.1 Geophysical Survey Investigation

On August 11, 2015 PM completed a geophysical survey utilizing GPR at the subject property (Figure 2) to investigate the presence of potential orphan USTs. The Geophysical Survey Investigation Report is included as Appendix C.

No anomalies consistent with orphan USTs were identified. A suspect fill port pipe was visually identified during PM's GPR survey in the central portion of the subject property and the pipe was traced using a PL 2000 cable locator. PM advanced a shallow hand auger to 5.0 feet bgs in the area where the pipe terminated, and no anomalies where encountered.

Based upon the results of PM's GPR survey, orphan USTs are not believed to be present at the subject property. However, the potential exists that USTs could be present and not identified by the GPR survey if the location was directly below a limitation as indicated within the GPR report, located outside of the survey area, and/or deeper than the 3.5 feet bgs physical limits of the GPR survey. If orphan USTs are identified during redevelopment activities, the UST will be properly removed in accordance with state guidelines.

# 1.5.2 Subsurface Investigation

On August 13, 2015 PM completed a scope of work consisting of the advancement of six soil borings (SB-1 through SB-6), the installation of two temporary monitoring wells (TMW-1 and TMW-2), the installation of six soil gas sampling points (SG-1 through SG-6), and the collection of seven soil samples, two groundwater samples, and six soil gas samples for laboratory analysis of VOCs, PNAs, polychlorinated biphenyls (PCBs), and Michigan Ten Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), and methane, or some combination thereof, to assess the RECs identified in ASTI's April 2015 Phase I ESA.

Figures 3, 4, and 5 depict the location of the soil borings/temporary monitoring wells/soil gas sampling points installed at the subject property by PM along with a summary of the analytical results.

The soil boring logs, which depicts site-specific geology, PID readings, and soil, groundwater, and soil gas sample intervals are included within Appendix D.

The table below summarizes the Phase II ESA activities conducted by PM, including location, sample depth, analysis, objective, and sample selection justification.

Location and Total Depth (feet bgs)	Total Screen  Depth Analysis  TOTAL		Objectives	Sample Selection (Justification)
SB/SG-6 (20.0)	I IVICIAIS		Assess fill material and migration of contamination from northeast adjoining open LUST site	Soil: A sample was collected at concrete debris.  GW: Not encountered.
(= 3.0)	Soil Gas 5.5	Methane	Assess a potential vapor intrusion condition	Soil Gas: Sampled.

bgs – below ground surface; DTW – depth to water; GW – Groundwater

# 1.5.3 Investigation Techniques and Quality Control/Quality Assurance (QA/QC)

The soil borings were advanced to the desired depth using a model 6712-DT Geoprobe® drill rig. Soil sampling was performed for soil classification, verification of subsurface geologic conditions, and for investigating the potential and/or extent of soil and groundwater contamination at the subject property. Soil samples were generally collected on a continuous basis using a 5-foot long macro-core sampler.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution (i.e., Alkanox®) and rinsing with distilled water after each sample collection. Drilling and sampling equipment was also cleaned in this manner prior to initiating field activities. Soil collected from 1-foot sample intervals was screened using a photoionization detector (PID) to determine if VOCs were present. Soil from specific depths was placed in plastic bags and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag. Soil samples for VOC analysis were preserved with methanol, in accordance with U.S. Environmental Protection Agency (EPA) method 5035.

Temporary monitoring wells were installed at two of the six soil boring locations (TMW-1 and TMW-2) for groundwater sample collection. At each location, a new well assembly, consisting of a 5-foot 0.010-inch slot, schedule 40, poly-vinyl chloride (PVC) screen and PVC casing was lowered into the borehole to intersect the water table. After the screen for the well was set to the desired depth, an artificial sand pack or natural sands were allowed to collapse around the well screen. The groundwater samples were collected with care taken to avoid the potential for cross contamination between the samples and to prevent loss of volatiles to the atmosphere. The groundwater samples for laboratory analyses were transferred directly from the low-flow pump discharge line into appropriately labeled sample containers with Teflon lined lids. Purge water was maintained separate and returned to the wells.

The soil and groundwater samples were placed in appropriately labeled containers with Teflon<sup>®</sup> lined lids and/or sanitized glass jars and then placed in an ice-packed cooler and transported under chain of custody procedures for laboratory analysis within applicable holding times.

with the MDEQ Residential and Nonresidential Vapor Intrusion Screening Levels (VISLs) as presented in the Guidance Document for the Vapor Intrusion Pathway, dated May 2013.

The analytical results from the site investigation activities completed by PM are summarized in Tables 1 through 4 (including CAS#) and on Figures 3 through 5. Appendix E contains the laboratory analytical report.

# Summary of Soil/Groundwater/Soil Gas Exceedances

Location and Total Depth (feet bgs)	Sample/ Screen Depth [DTW] (feet bgs)	Analysis	Objectives	MDEQ Part 201 Generic Cleanup Criteria and/or VISLs Exceedances			
SB/TMW/	<b>Soil</b> 5.5-6.5	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former fuel oil tank	Arsenic: DWP, GSIP, (R) DC			
SG-1 (20.0)	<b>GW</b> 5.00-10.00 [6.57]	VOCs, PNAs, and Michigan Ten Metals		Silver: GSI			
	Soil Gas 5.5	Methane	Assess a potential vapor intrusion condition	NONE			
SB/TMW/	<b>Soil</b> 6.0-7.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former gasoline dispensing	Arsenic: DWP, GSIP, (R) DC Selenium: GSIP			
SB/TMW/ SG-2 (20.0)	<b>GW</b> 10.00-15.00 [12.57]	VOCs, PNAs, and Michigan Ten Metals	operations	Silver: GSI			
	Soil Gas 4.5	VOCs	Assess a potential vapor intrusion condition	NONE			
SB/SG-3 (20.0)	<b>Soil:</b> 19.0-20.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and potential migration of contamination from west adjoining former gasoline service station	Arsenic: DWP, GSIP, (R) DC Chromium: GSIP			
	Soil Gas 3.5	VOCs and Methane	Assess a potential vapor intrusion condition	NONE			
	<b>Soil:</b> 7.5-8.5	VOCs, PNAs, PCBs, and	Assess fill material, former gasoline dispensing operations, and migration	Tetrachloroethene: DWP, GSIP Arsenic: DWP, GSIP, (R) DC Selenium: GSIP			
SB/SG-4 (20.0)	<b>Soil:</b> 13.0-14.0	Michigan Ten Metals	operations, and migration of contamination from north adjoining dry cleaner	Tetrachloroethene: DWP Arsenic: DWP, GSIP, (R) DC Chromium: GSIP			
	Soil Gas 7.5	VOCs and Methane	Assess a potential vapor intrusion condition	NONE			

above the laboratory MDLs, but below the Michigan Statewide Default Background Levels (SDBLs). No concentrations of barium, cadmium, copper, lead, mercury, silver, and zinc were detected in any of the soil samples collected from the subject property above the laboratory MDLs, the Michigan SDBLs, and/or the most restrictive Part 201 Residential cleanup criteria.

## 2.2 Groundwater Analytical Results

The groundwater analytical results are summarized in Table 3 and on Figure 4.

No concentrations of VOCs and PNAs were detected in any of the groundwater samples collected from the subject property above the laboratory MDLs.

Concentrations of silver were detected in both groundwater samples collected from the subject property above the Part 201 GSI cleanup criteria. No concentrations of arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc were detected in the groundwater samples collected from the subject property above the laboratory MDLs and/or the most restrictive Part 201 Residential cleanup criteria.

# 2.3 Soil Gas Analytical Results

The soil gas analytical results are summarized in Table 4 and on Figure 5.

A concentration of tetrachloroethylene was detected in the soil gas sample collected at SG-5 (3.5 feet bgs) above the Part 201 Residential VISLs, and not ten times below the Part 201 Nonresidential VISLs. A concentration of tetrachloroethylene was detected in the soil gas sample collected at SG-4 (7.5 feet bgs) below the Part 201 Residential and Nonresidential VISLs, but not at a concentration ten times below the Part 201 Residential VISLs. No concentrations of tetrachloroethylene were detected in the remaining soil gas samples collected from the subject property. Concentrations of m-dichlorobenzene and trichloroethylene were detected in the soil gas samples collected at SG-3 (3.5 feet bgs) and/or SG-5 (3.5 feet bgs) below the Part 201 Residential and Nonresidential VISLs, but not at concentrations ten times below the Part 201 Residential VISLs. Various concentrations of other VOCs were detected in the remaining soil gas samples collected from the subject property above the laboratory MDLs, but below the Part 201 Residential and Nonresidential VISLs and at concentrations ten times below the Residential VISLs.

No concentrations of methane were detected in the selected soil gas samples collected from the subject property above the laboratory MDLs.

Based on the planned redevelopment of the subject property for residential use, further investigation may be warranted of the soil gas concentrations detected at SG-3, SG-4, and SG-5 that are not below the Residential VISLs and/or ten times below the Residential VISLs. Further investigation would be contingent upon the future site plans and remediation activities.

#### 2.4 Subject Property Facility Status

A location where a hazardous substance is present in excess of the concentrations, which satisfy the requirements of subsection 20120a(1)(a) or (17), is a facility pursuant to Part 201. Section 20120a(1)(a) requirements are the Cleanup Criteria for unrestricted residential usage.

## 4.1 Summary Data Tables

The analytical results were compared with the MDEQ cleanup criteria and Screening Levels as presented in Part 201 Rules 299.1 through 299.50, dated August 30, 2014 entitled "Cleanup Criteria Requirements for Response Activity", in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. PM compared the soil gas analytical results collected during PM's August 2015 site investigation with the MDEQ Residential and Nonresidential VISLs as presented in the Guidance Document for the Vapor Intrusion Pathway, dated May 2013.

The soil, groundwater, and soil gas analytical results as compared to current cleanup criteria are summarized in Tables 1 through 4. A summary of Part 201 cleanup criteria exceedances are included in Section 2.0.

# 4.2 Laboratory Reports and Chain of Custody Documentation

Soil, groundwater, and soil gas samples collected were submitted to Brighton Analytical, LLC in Brighton, Michigan for chemical analysis under chain of custody procedures and within applicable holding times. Refer to the laboratory analytical in Appendix E for the associated chain of custody documentation.

#### 5.0 IDENTIFICATION OF BEA AUTHOR

This BEA was conducted on September 4, 2015, by Ms. Nicole Kane and reviewed by Ms. Jennifer Ritchie, CPG, Regional Manager of Site Investigation Services, PM Environmental, Inc., which is prior to or within 45 days of becoming the owner or operator. Qualification statements are provided as Appendix G.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

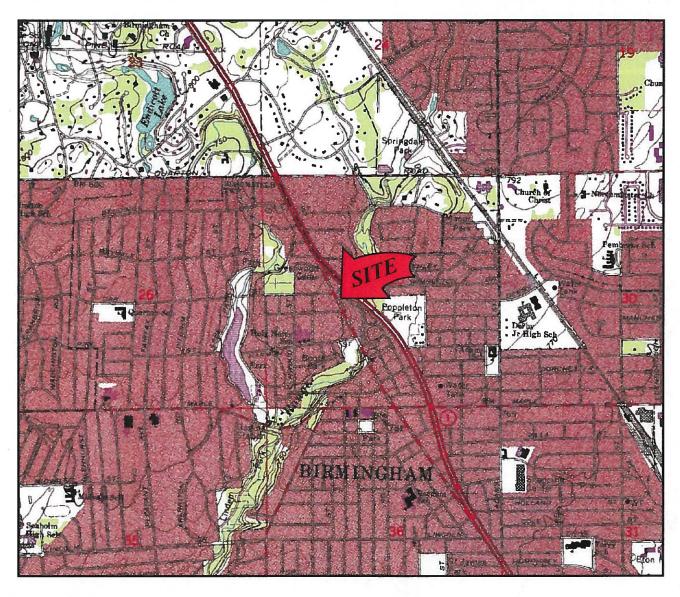
Jennifer L. Ritchie, CPG

Regional Site Investigation Manager

#### 6.0 AAI REPORT OR ASTM PHASE I ESA

As indicated in Section 1.3, ASTI performed a Phase I ESA of the subject property dated April 10, 2015, in accordance with the United States Environmental Protection Agency (EPA) 40 CFR Part 312: Standards and Practices for All Appropriate Inquiries; Final Rule (AAI) and the scope an limitations of ASTM Practice E 1527-13 of the subject property (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009. The scope of the Phase I ESA included consideration of hazardous substances as defined in Section 20101(1)(y) of P.A 451 of 1994, as amended, and constituted the performance of an All Appropriate Inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

A copy of ASTI's April 10, 2015 Phase I ESA is included in Appendix A.



# **OAKLAND COUNTY**



SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

# FIGURE 1

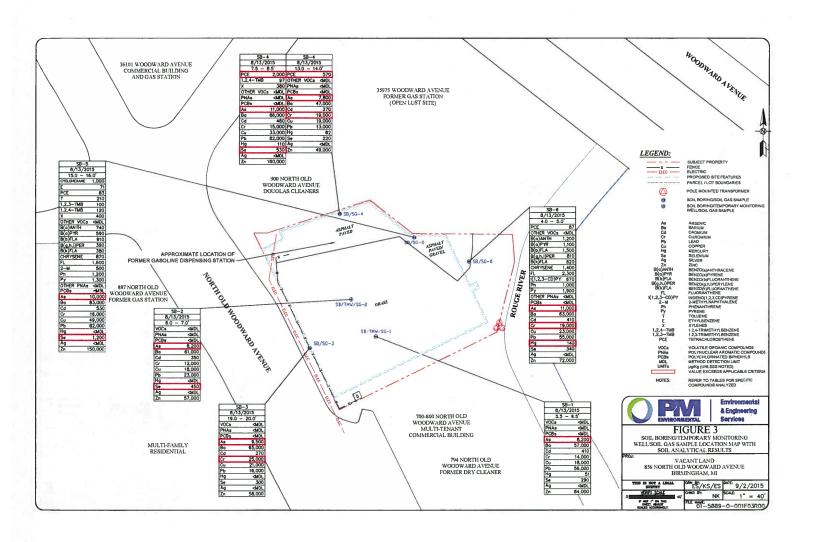
PROPERTY VICINITY MAP
USGS, 7.5 MINUTE SERIES
BIRMINGHAM, MI QUADRANGLE, 1968. PHOTO REVISED 1981.

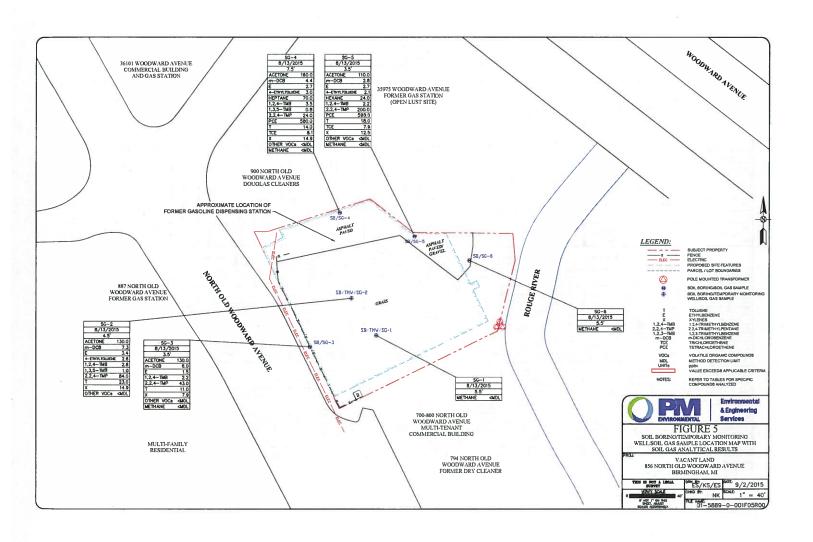




Environmental & Engineering Services PROJ: VACANT LAND 856 NORTH OLD WOODWARD AVENUE RIRMINGHAM MI

THIS IS NOT A LEGAL SURVEY	DRN BY:	ES	DATE:8/13/2015
0 2,000'	CHKD BY:	NK	1'' = 2,000'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	FILE NAME: 01—	5889	-0-001F01R00





# TABLE 2 SUMMARY OF SOIL ANALYTICAL RESULTS POLYCHLORINATED BIPHENYLS AND MICHICAN TEN METALS 856 NORTH OLD WOODWARD AVENUE, BIRNINGHAM, MICHIGAN PM PROJECT # 01-5889-0-001

	CHLORINATED BIPHENYLS AND MICHIGAN TEN META (µg/Kg)		PCBs	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc
Chemic	cal Abstract Service Number	er (CAS#)	1336363	7440382	7440393	7440439	16065831	7440508	7439921	7439976	7782492	7440224	744066
Sample ID	Sample Date	Sample Depth (feet bgs)	PCBs			1		Michigan	Ten Metals				
SB-1	-1 8/13/2015 5.5-6.5				57,000	410	14,000	18,000	56,000	51	290	<100	84,000
SB-2	ND	8,200	61,000	350	12,000	18,000	23,000	<50	450	<100	57,000		
SB-3	8/13/2015	19.0-20.0	ND	9,500	65,000	270	25,000	21,000	16,000	<50	300	<100	58,000
SB-4	8/13/2015	7.5-8.5	ND	11,000	86,000	480	15,000	33,000	82,000	110	530	<100	160,00
SB-4	8/13/2015	13.0-14.0	ND	7,800	47,000	270	19,000	19,000	13,000	62	220	<100	49,000
SB-5	8/13/2015	15,0-16,0	ND	10,000	83,000	530	16,000	49,000	82,000	<50	1,200	<100	150,00
SB-6	8/13/2015	4,0-5,0	ND	11.000	63.000	410	19,000	23,000	55.000	140	340	<100	72,000
			rusion Pathw	al Part 201 G ay, Policy an Re	eneric Clean d Procedure esidential (µg	up Criteria ar Number: 09- I/Kg)	nd Screening 017, Append	Levels/Part Ix D Vapor In	trusion Scre	ening Values	, May 2013		75.5
	MDEQ Guidance Docu	nd 3: Residential and N	Ion-Residenti rusion Pathw	al Part 201 G ay, Policy an Re	eneric Clean d Procedure esidential (µg	up Criteria ar Number: 09- I/Kg)	nd Screening 017, Append	Levels/Part Ix D Vapor In	trusion Scre	ening Values	, May 2013		75.5
Statewide Default Bac	MDEQ Guidance Docu	nd 3: Residential and N	ion-Residenti rusion Pathw	al Part 201 G ay, Policy an Re 5,800	eneric Clean d Procedure esidential (µg 75,000	up Criteria ar Number: 09- /Kg)	nd Screening 017, Append 18,000	Levels/Part Ix D Vapor In	21,000	ening Values	410	1,000	47,000
Statewide Default Baci Drinking Water Protect	MDEQ Guidance Docu	nd 3: Residential and N ment For The Vapor Inf	Ion-Residenti rusion Pathw	al Part 201 G ay, Policy an Re	eneric Clean d Procedure esidential (µg	up Criteria ar Number: 09- I/Kg)	nd Screening 017, Append	Levels/Part Ix D Vapor In	21,000 7.00E+05	ening Values	, May 2013		47,000 2 40E+I
Statewide Default Bac Drinking Water Protect Groundwater Surface \	MDEQ Guidance Docu kground Levels tion (Res DWP)	nd 3: Residential and N ment For The Vapor Inf (GSIP)	Ion-Residenti rusion Pathw NA N.L	al Part 201 G ay, Policy an Re 5,800	eneric Clean d Procedure esidential (µg 75,000 1.30£+05	up Criteria ar Number: 09- J/Kg) 1,200 8,000	nd Screening 017, Append 18,000 30,000	Levels/Part Ix D Vapor In 32,000 5.80E+06	21,000	130 1,700	410 4,000	1,000	47,000 2 40E+I
Statewide Defauit Baci Drinking Water Protect Groundwater Surface I Soll Volatilization to Ini	MDEQ Guldance Docu kground Levels tion (Res DWP) Water Interface Protection	nd 3: Residential and N ment For The Vapor Inf (GSIP)	NA NLL	al Part 201 G ay, Policy an Re 5,800 4,600	eneric Clean d Procedure esidential (µg 75,000 1 30E+06 1 3E+06 (G)	up Criteria ar Number: 09- I/Kg) 1,200 5,000 7,700 (G,X)	18,000 30,000 3,300	32,000 5.80E+06	21,000 7.00E+05 8.2E+06 (G,X)	130 1,700 50 (M); 1.2	410 4,000 400	1,000 4,500 100 (M); 27	47,000 2 40E+1 3.9E+05
Statewide Default Baci Drinking Water Proteci Groundwater Surface \ Soll Volatilization to in Ambient Air Infinite So	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV	nd 3: Residential and N ment For The Vapor Int (GSIP) /II) n (Res VSI)	NA NLL 3.0E+08	al Part 201 G ay, Policy an R/ 5,800 4,600 4,600	eneric Clean d Procedure esidential (µg 75,000 1.30£+06 1.3E+06 (G) NLV	np Criteria ar Number: 09- I/Kg) 1,200 5,000 7,700 (G,X)	18,000 30,000 3,300 NLV	32,000 5.80E+06 1.8E+05 (G)	21,000 7.00E+05 8.2E+06 (G,X) NLV	130 1,700 50 (M); 1.2 48,000	410 4,000 400 NLV	1,000 4,500 100 (M); 27 NLV	47,000 2 40E+0 3.9E+05 NLV
Statewide Default Baci Drinking Water Protect Groundwater Surface V Soll Volatilization to in Ambient Air Infinite So Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV surce Volatile Soil Inhalation	nd 3: Residential and N ment For The Vapor Int  (GSIP)  (II) In (Res VSI)	NA NLL NLL 3.0E+06 2.40E+05	al Part 201 G ay, Policy an Re 5,800 4,600 4,600 NLV NLV	eneric Clean d Procedure r5,000 1 30E+06 1 3E+06 (G) NLV	up Criteria ai Number: 09- //(g) 1,200 6,000 7,700 (G,X) NLV NLV	18,000 30,000 3,300 NLV	32,000 5.80E+05 (G) NLV	21,000 7.00E+05 8.2E+06 (G,X) NLV	130 1,700 50 (M); 1.2 48,000 52,000	410 4,000 400 NLV	1,000 4,500 100 (M); 27 NLV NLV	47,000 2 40E+0 3.9E+05 NLV
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Volatilization to In Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV surce Volatile Soil Inhalatio for 5 Meter Source Thickne	nd 3: Residential and N ment For The Vapor Int  (GSIP)  (II) In (Res VSI)	NA NLL 3.0E+08 2.40E+05 7.9E+06	al Part 201 G ay, Policy an  Re  5,800 4,600 4,600 NLV NLV NLV	eneric Cleani d Procedure esidential (µg 75,000 1 30E+06 1 3E+06 (G) NLV NLV	up Criteria ai Number: 09- i/Kg) 1,200 6,000 7,700 (G,X) NLV NLV	18,000 30,000 3,300 NLV NLV	32,000 5.80E+06 1.8E+05 (G) NLV NLV	21,000 7.00E+05 8.2E+08 (G,X) NLV NLV	130 1,700 50 (M); 1.2 48,000 52,000	410 4,000 400 NLV NLV	1,000 4,500 100 (M); 27 NLV NLV	47,000 2 40E+0 3.9E+05 NLV NLV
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Volatilization to In Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI)	nd 3: Residential and N ment For The Vapor Int  (GSIP)  (II) In (Res VSI)	NA NLL 3.0E+05 7.9E+05 7.9E+05	al Part 201 G ay, Policy an  Re 5,800 4,600 4,600 NLV NLV NLV NLV	eneric Cleani d Procedure esidential (µg 75,000 1 30E+06 1 3E+06 (G) NLV NLV NLV	up Criteria ai Number: 09- i/Kg)  1,200  5,000  7,700 (G,X)  NLV  NLV  NLV  NLV	18,000 30,000 3,300 NLV NLV NLV	32,000 5.80E+06 1.8E+05 (G) NLV NLV NLV	21,000 7.00E+05 8.2E+06 (G,X) NLV NLV NLV	130 1,700 50 (M); 1.2 48,000 52,000 52,000	410 4,000 400 NLV NLV NLV	1,000 4,500 100 (M); 27 NLV NLV NLV	47,000 2 40E+0 3.9E+05 NLV NLV NLV ID
Statewide Default Baci Drinking Water Proteci Groundwater Surface I Soil Volatilization to in Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI)	nd 3: Residential and N ment For The Vapor Int  (GSIP)  (II) In (Res VSI)	NA NLL NLL 3.0E+06 2.40E+05 7.9E+06 5.2E+06	al Part 201 G ay, Policy an  Re  5,800  4,600  4,600  NLV  NLV  NLV  NLV  7,20E+05  7,600	eneric Cleans d Procedure esidential (µg 75,000 1 30E+06 1 3E+06 (G) NLV NLV NLV NLV NLV 3 30E+08	up Criteria ai Number: 09- I/Kg)  1,200  8,000  7,700 (G,X)  NLV  NLV  NLV  NLV  1,70E+08  5,50E+05	18,000 30,000 3,300 NLV NLV NLV 2,50E+05	32,000 5.80E+06 1.8E+05 (G) NLV NLV NLV NLV 1.30E+08	21,000 7.00E+05 8.2E+06 (G,X) NLV NLV NLV NLV 1.00E+08	130 1,700 50 (M); 1.2 48,000 52,000 52,000 52,000 2.00E+07	410 4,000 400 NLV NLV NLV NLV 1.30E+08	1,000 4,500 100 (M); 27 NLV NLV NLV NLV 6.70E+06	47,000 2 40E+0 3.9E+05 NLV NLV NLV ID
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Volatilization to in Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Res DO	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res Sv urce Volatile Soil Inhalation for 5 Meter Source Thickne e Soil Inhalation (Res PSI) C)	nd 3: Residential and N ment For The Vapor Int  (GSIP)  (II) In (Res VSI)	NA NLL NLL 3.0E+06 2.40E+05 7.9E+06 5.2E+06	al Part 201 G ay, Policy an  Re  5,800  4,600  4,600  NLV  NLV  NLV  NLV  7,20E+05  7,600	eneric Cleans d Procedure esidential (µg 75,000 1 30E+06 1 3E+06 (G) NLV NLV NLV NLV NLV 3 30E+08 3 70E+07	up Criteria ai Number: 09- I/Kg)  1,200  8,000  7,700 (G,X)  NLV  NLV  NLV  NLV  1,70E+08  5,50E+05	18,000 30,000 3,300 NLV NLV NLV 2,50E+05	32,000 5.80E+06 1.8E+05 (G) NLV NLV NLV NLV 1.30E+08	21,000 7.00E+05 8.2E+06 (G,X) NLV NLV NLV NLV 1.00E+08	130 1,700 50 (M); 1.2 48,000 52,000 52,000 52,000 2.00E+07	410 4,000 400 NLV NLV NLV NLV 1.30E+08	1,000 4,500 100 (M); 27 NLV NLV NLV NLV 6.70E+06	47,000 2 40E+0 3.9E+05 NLV NLV NLV ID 1,70E+1
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Voladilization to In Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Res DC Drinking Water Protect	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res Sv urce Volatile Soil Inhalation for 5 Meter Source Thickne e Soil Inhalation (Res PSI) C)	nd 3: Residential and N ment For The Vapor Int  (GSIP) /// n (Res VSI)  1555	NA NLL NLL 3.0E+05 7.9E+05 5.2E+06 (T)	Al Part 201 G ay, Policy an  R4  5,800  4,600  4,600  NLV  NLV  NLV  NLV  7,20E+05  7,600  NOT	eneric Cleans d Procedure esidential (jig 75,000 1.30E+05 1.3E+06 (G) NLV NLV NLV NLV NLV 3.30E+08 3.70E+07	up Criteria ai Number: 09- (Kg)  1,200  6,000  7,700 (G,X)  NLV  NLV  NLV  1,70E+08  5,50E+05	18,000 30,000 3,300 NLV NLV NLV 2,60E+05 2,50E+06	32,000  5.80E+06  1.8E+05 (G)  NLV  NLV  NLV  1.30E+08  2.00E+07	21,000 7.00E+05 8.2E+08 (G,X) NLV NLV NLV NLV 1.00E+08 4.00E+05	130 1,700 50 (M); 1.2 48,000 52,000 52,000 52,000 2.00E+07 1.60E+05	410 4,000 400 NLV NLV NLV NLV 1.30E+08 2.60E+06	1,000 4,500 100 (M); 27 NLV NLV NLV NLV 6.70E+06 2.50E+06	47,000 2 40E+0 3.9E+05 NLV NLV NLV ID 1,70E+1
Statewide Default Baci Drinking Water Proteci Groundwater Surface I Soil Volatilization to in Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Res DC Drinking Water Proteci Soil Volatilization to in	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Alr Inhalation (Res Sv urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP)	nd 3: Residential and N ment For The Vapor Ini  (GSIP)  iii) n (Res VSI)  255 258 25 SVII)	NA NLL 3.0E+08 2.40E+05 7.9E+08 6.2E+08 (T) NLL	al Part 201 G ay, Policy an Ri 5,800 4,600 4,600 NLV NLV NLV NLV 7,20E+05 7,600 Nor	eneric Cleand d Procedure  sidential (µg  75,000  1 306+06  138+06 (G)  NLV  NLV  NLV  NLV  3 306+08  3 706+07  residential (µ  1.306+08	up Criteria ar Number: 09- //Kg) 1,200 6,000 7,700 (G,X) NLV NLV NLV NLV 1,70E+08 5,50E+05 ug/Kg)	18,000 30,000 30,000 3,300 NLV NLV NLV 2,60E+05 2,50E+06	32,000 32,000 5.60E+09 1.8E+05 (G) NLV NLV NLV 1.30E+08 2.00E+07	21,000 7.00E+05 8.2E+08 (G,X) NLV NLV NLV 1.00E+08 4.00E+05	130 1,700 50 (M); 12 48,000 52,000 52,000 2,000+07 1,600+05	410 4.000 400 NLV NLV NLV 1.30E+08 2.80E+08	1,000 4,500 100 (M): 27 NLV NLV NLV 6,70E+06 2,50E+06	47,000 2 40E+1 3.9E+05 NLV NLV NLV ID 1.70E+1
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Statewide Default Baci Drinking Water Protect Groundwater Surface t Soil Volatilization to in Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Res DO Drinking Water Protect Soil Volatilization to in Ambient Air Infinite So Ambient Air Infinite VSI Ambient Air Finite VSI Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP) door Air Inhalation (Nonres urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne for 5 Meter Source Thickne for 5 Meter Source Thickne	and 3: Residential and Nument For The Vapor Int Ment For The Vapor Int (GSIP) (GIP) (II) (Res VSI) (SSS) (SSVII) (Nonres VSI) (Nonres VSI) (SSS)	ION-Resident Trusion Pathw  NA NLL NLL 3.06+08 2.406+05 7.96+08 5.26+08 (T)  NLL 1.66+07 6.106+05	al Part 201 G ay, Policy an Rt 5,800 4,800 NLV NLV NLV NLV 7,20E+05 7,800 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	eneric Clean d Procedure esidential (µg 75,000 1 306-06 1 316-06 (G) NLV NLV NLV NLV NLV 3 306-08 3 706-07 residential (µ NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	up Criteria at Number: 09- processor (Number:	18,000 30,000 30,000 NLV NLV NLV 2,50E+05 30,000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	\$ Levels/Part   X D Vapor In   X D V	21,000 7.00E+05 8.2E+06 (5.X) NLV NLV NLV 1.00E+08 4.00E+05 7.00E+05 NLV NLV	130 1,700 50 (M); 1.2 48,000 52,000 52,000 2,000+07 1,600+05 1,700 89,000 62,000	410 4,000 400 NLV NLV 1,30E+08 4,000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1,000 4,500 100 (M); 27 NLV NLV NLV 6,70E+06 2,50E+06 4,500 NLV NLV	47,000 2.40E+1 3.9E+05 NLV NLV NLV ID 1,70E+1 NLV NLV NLV NLV NLV
Statewide Default Baci Drinking Water Proteci Groundwater Surface I Boll Volatilization to In- Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Chrinking Water Proteci Boll Volatilization to In- Ambient Air Infinite SO Ambient Air Finite VSI Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP) door Air Inhalation (Nonres urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Nonres)	and 3: Residential and Nument For The Vapor Int Ment For The Vapor Int (GSIP) (GIP) (II) (Res VSI) (SSS) (SSVII) (Nonres VSI) (Nonres VSI) (SSS)	ION-Resident Trusion Pathw  NA  NLL  NLL  3.06+05  2.406+05  7.96+08  5.26+06  (T)  NLL  1.66+07  8.106+05  2.86+07	al Part 201 G ay, Policy an  Ri  5,800 4,600 4,600 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	eneric Clean d Procedure seidential (jug 75,000 1 30E+06 1 3E+06 (G) NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	up Criteria as Number: 09- µKg) 1,200 8,000 7,700 (5,3) NLV NLV NLV 1,70E-08 5,50E-05 µµ/Kg) NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	18,000 30,000 3,300 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1 Leveis/Part IX D Vapor In   32,000   5.80E+06   1.8E+05 (G)   NLV   NLV   NLV   1.30E+08   2.00E+07   S.80E+08   NLV   NLV   NLV   S.80E+08   NLV   NLV   NLV   S.80E+08   NLV   NLV   NLV   S.90E+07	21,000 21,000 21,000 8.2E+06 (G,X) NLV NLV NLV 1.00E+08 4.00E+05 7.00E+05 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	130 1,700 1,700 50 (M); 1,2 48,000 52,000 52,000 2,000+05 1,700 89,000 62,000 62,000 62,000 62,000 8,80E+05	410 4.000 4.000 400 NLV NLV NLV 1.30E+08 2.60E+08 4.000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1,000 4,500 100 pt]; 27 NLV NLV NLV NLV 100 100 pt]; 27 NLV NLV NLV NLV NLV 100 100 100 100 100 100 100 100 100 10	47,000 2 40E+1 3.9E+05 NLV NLV NLV ID 1.70E+1  5.00E+1 NLV NLV NLV NLV NLV NLV
Statewide Default Baci Drinking Water Proteci Groundwater Surface I Soil Volatilization to in- Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Contact (Res Do Drinking Water Proteci Soil Volatilization to in- Ambient Air Infinite SO Ambient Air Infinite SO Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP) door Air Inhalation (Nonres urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Nonres)	and 3: Residential and Nument For The Vapor Int Ment For The Vapor Int (GSIP) (GIP) (II) (Res VSI) (SSS) (SSVII) (Nonres VSI) (Nonres VSI) (SSS)	IOn-Resident Trusion Pathw  NA NLL NLL 3.06-05 7.96-06 7.96-06 5.26-06 (T) NLL 1.66-07 6.106-05 2.86-07	al Part 201 G ay, Policy an Ri 5,800 4,500 4,500 4,500 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	eneric Clean de Procedure de Procedure de Procedure 275,000 1 30€-08 1 33€-08 (3) NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	up Criteria an Number: 09- Num	18,000 17, Append 18,000 30,000 3,300 NLV NLV NLV 2,50E+05 2,50E+08 30,000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1 Leveis/Part IX D Vapor In   32,000   5.80E+06   1.8E+05 (G)   NLV   NLV   NLV   1.30E+08   2.00E+07   5.80E+08   NLV	21,000 7.00E+05 8.2E-06 (G.X) NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	130 1,700 1,700 50,00; 12 48,000 52,000 52,000 2,000+07 1,600+05 1,700 89,000 62,000 62,000 62,000	410 410 4,000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1,000 4,500 100 (M); 27 NLV NLV NLV NLV 6,70E+08 2,50E+08 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	47,000 2 40E+1 3.9E+05 NLV NLV NLV ID 1.70E+1  5.00E+1 NLV NLV NLV NLV NLV NLV
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Volatilization to In- Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Res DC Drinking Water Protect Soil Volatilization to In- Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Particulate Direct Contact (Nonres	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Alr Inhalation (Res Sy urce Volatile Soil Inhalatio for 5 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP) door Alr Inhalation (Nonres urce Volatile Soil Inhalatio for 5 Meter Source Thickne for 2 Meter Source Thickne for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation for 5 Meter Source Thickne e Soil Inhalation (Nonres Pi s DC)	nd 3: Residential and Nument For The Vapor Int ment For The Vapor Int (GSIP) //ii) n (Res VSI) 255 255 25 SVII) n (Nonres VSI) 255 255 251	IOn-Resident Trusion Pathw  NA NLL NLL NLL 3.06-06 2.406-05 7.96-08 (7) NLL NLL 1.66-07 6.106-05 2.86-07 6.526-06 (7)	al Part 201 G ay, Policy an Ri 5,800 4,800 4,800 4,800 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	eneric Clean de Procedure estidential (µg 75,000 1 30€+08 1 30€+08 1 30€+08 (75,000 1 30€+08 1 30€+08 3 70€+07 (75,000 1 30€+08 3 70€+07 (75,000 1 30€+08 1	up Criteria an Number: 09- Num	18,000 30,000 3,300 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1 Leveis/Part   Ix D Vapor In  32,000 5.80E+08 1.8E+05 (G) NLV NLV NLV 1.30E+08 2.00E+07 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	21,000 7,000+05 8.2E+06 (G,X) NLV NLV NLV 1,000+05 1,000+05 1,000+05 1,000+05 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	130 1,700 50 (M): 1.2 48,000 52,000 52,000 52,000 2,000+07 1,800+05 1,700 89,000 62,000 62,000 62,000 62,000 63,000 63,000 63,000 63,000 63,000 63,000 63,000	410 4,000 400 NLV NLV NLV 1,30E+08 4,000 NLV NLV 1,50E+08 4,000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1,000 4,500 100 (M); 27 NLV NLV NLV 1,000	47,000 2 40E+I 3.9E+D5 NLV NLV NLV ID 1.70E+I 5.00E+I NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV
Statewide Default Baci Drinking Water Protect Groundwater Surface I Soil Volatilization to in Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Drinking Water Protect Soil Volatilization to in Ambient Air Finite VSI Ambient Air Infinite So Ambient Air Infinite So Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Finite VSI Ambient Air Contact (Nonres Soil Saturation Concer	MDEQ Guidance Docu kground Levels tion (Res DWP) Water Interface Protection door Air Inhalation (Res SV urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Res PSI) C) tion (Nonres DWP) door Air Inhalation (Nonres urce Volatile Soil Inhalation for 5 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne for 2 Meter Source Thickne e Soil Inhalation (Nonres)	d 3: Residential and Ament For The Vapor Ini ment For The Vapor Ini (GSIP) (II) (II) (III)	IOn-Resident Trusion Pathw NA NAL NAL NAL NAL NAL NAL NAL NAL NAL	al Part 201 G ay, Policy an Ri 5,800 4,500 4,500 4,500 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	eneric Clean de Procedure de Procedure de Procedure 275,000 1 30€-08 1 33€-08 (3) NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	up Criteria an Number: 09- Num	18,000 30,000 3,300 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1 Leveis/Part IX D Vapor In   32,000   5.80E+06   1.8E+05 (G)   NLV   NLV   NLV   1.30E+08   2.00E+07   S.80E+08   NLV   NLV   NLV   S.80E+08   NLV   NLV   NLV   S.80E+08   NLV   NLV   S.90E+07   S.	21,000 21,000 21,000 8.2E+06 (G,X) NLV NLV NLV 1.00E+08 4.00E+05 7.00E+05 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	130 1,700 1,700 50 (M); 1,2 48,000 52,000 52,000 2,000+05 1,700 89,000 62,000 62,000 62,000 62,000 8,80E+05	410 4.000 4.000 400 NLV NLV NLV 1.30E+08 2.60E+08 4.000 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV	1,000 4,500 100 pt]; 27 NLV NLV NLV NLV 100 100 pt]; 27 NLV NLV NLV NLV NLV 100 100 100 100 100 100 100 100 100 10	47,000 2 40E+0 3.9E+05 NLV NLV NLV ID 1.70E+0 NLV NLV NLV NLV NLV NLV NLV NLV NLV NLV

Applicable Criterion/RBSL Exceeded

BOLD Value Exceeds Applicable Criterion/RBSL
bgs Below Ground Surface (feet)
ND Non-detected at levels above laboratory method detection limit (MDL)
NAINLID Not Applicable/Not Listed/insufficient Data
NLINILV Not Likely to Leach/Not Likely to Volatilize
(G) Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 418 mg/L CaCO3 Hardness: Station ID 630003, Rouge River, near Troy, MI

# TABLE 4 SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS AND METHANE 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT 67 64-888-9-041

	Асевле	m-Dichlorobenzene	Ethyfbenzene	4-Ethyltokuene	Heptane	Hexane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Tetrachloroethylene	Toluene	Trichloroethylene	m.p-Xylene	o-Xylene	Xyienes (total)	Other VOCs	Methane		
	Chemical Abstract Serv	vice Number (CAS#)	67841	541731	100414	822968	142825	110543	95838	108678	540841	127184	108883	79016	1330207	95476	1330207	Various	74828
Sample ID	Sample Date	Sample Depth (feet bgs)	19191							V	OCs								Methane
SG-1	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SG-2	8/13/2015	4.5	130.0	7.3	3.4	2.6	<0.80	<0.80	2.8	1.0	84.0	<0.16	23.0	<0.16	11.0	3.9	14.9	ND	NA
SG-3	8/13/2015	3.5	130.0	6.0	1.5	<0.80	<0.80	<0.80	2.2	<0.80	43.0	<0.16	11.0	<0.16	5.7	2.2	7.9	ND	ND
SG-4	8/13/2015	7.5	160.0	4.4	2.7	3.0	70.0	<0.80	3.5	0.8	24.0	580.0	14.0	8.1	11.0	3.9	14.9	ND	ND .
SG-5	8/13/2015	3.5	110.0	2.8	2.7	2.1	<0.80	24.0	2.2	<0.80	200.0	690.0	18.0	7.9	9.3	3.2	12.5	ND	ND
SG-6	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	A	NA	NA	ND
		MDEQ Guidance Docu	ment For The	Vapor Intru		y, Policy and				dix D Vapor	Intrusion So	creening Val	ues, May 201	13		10.00			
<u> </u>	Air Screening Levels (IA <sub>W</sub> )		2,500	0 49	19	NDC	850	200	44	44	740	5.0	1,300	0.37	23	23	23	Various	1.2SE+04 (g)
		ng Levels (≤ 1.5m bgs) (SG <sub>VI-85</sub> )	82,000	18	640	NDC	28,000	8,600	1,500	1,500	25,000	178	44,000	12	760	760	760	Various	1.25E+04 (g)
Vapor Intrusion Deep S	ioil Gas Screening Levels (SC	3 <sub>vi</sub> )	8.20E+05	160	8,400	NDC Vonresidenti	2.80E+05	65,000	15,000	15,000	2 50E+05	1,700	4 40E+05	120	7,600	7 600	7,600	Various	1.25E+04 (g)
Vapor Intrusion Indoor	Air Screening Levels (IA <sub>vr</sub> )		10,000	2.1	96	NDC	3,600	830	190	190	3,100	25	5,500	15	96	96	p8	Various	1.25E+04 (g)
		ng Levels (≤ 1.5m bgs) (SG <sub>vi-es</sub> )	1 40E+08	250	13,000	NDC	4.70E+05	1 10E+05	25,000	25,000	4 20E+05	3,300	7 40E+05	210	13,000	13,000	13,000	Various	1.25E+04 (g)
Vapor Intrusion Deep S	ioil Gas Screening Levels (SC	3 <sub>VI</sub> )	1 40E+07	2,800	1 30E+05	NDC	4.70E+08	1 10E+08	2 50E+05	2.50E+05	4 20E+08	33,000	7.40E+08	2,100	1 30E+05	1 30E+05	1.30E+05	Various	1.25E+04 (g)
		DRAFT Acut	Vapor Intrus	ion Screenin	g Levels for	Indoor Air a	nd Soil Gas	; Residentia	and Nonre	sidential Lar	nd Use, Febr	uary 2013 (p	pbv)						
IRASL Indoor Air (AIA <sub>w</sub> )			25,000	NDC	NDC	NDC	NDC	NDC	NDC	NDC	NDC	2,800	9,300	74,000	4,800	4,800	4,800	Various	NDC
IRASL Soil Gas (ASGu)			8 28€+05	NDC	NDC	NDC	NDC	NDC	NDC	NDC	NDC	93,000	3 10E+05	2 48E+08	1 60E+05	1.60E+05	1 60E+05	Various	NDC

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria
bgs Balow Ground Sufface (feet)
ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)
NA Not Applicable
NDC "No Defined Criteria" by the Michigan Department of Environmental Quality (MDEQ)

The MC and SGC presented in this table are health-based values. The applicable IAC and SGC are based on the higher of the health-based value it RASL
Immediate Response Acute Vapor Intrusion Screening Levels



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June 20, 2016

Mr. Frank R. Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, Michigan 48303

RE: Summary Report for the Site Investigation Activities at the

Vacant Land located at 856 North Old Woodward Avenue, Birmingham, Michigan

Parcel ID: 08-19-25-328-001

PM Environmental, Inc. Project No. 01-5889-0-001

Dear Mr. Simon:

PM Environmental, Inc. (PM) completed site investigation activities for the vacant land (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009 (hereafter referred to as the subject property). This report summarizes the activities completed by PM in May 2016 to further define potentially listed hazardous waste soil contamination, and associated conclusions and recommendations.

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF <u>FLS PROPERTIES #5, LLC</u>, WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

#### SITE DESCRIPTION AND BACKGROUND

The subject property consists of vacant land with asphalt paved parking in the northeastern portion, remnants of a building foundation in the northern portion, and grass in the remaining portions (Figure 2). The property has a down-gradient slope from North Old Woodward Avenue east to where it adjoins the Rouge River, which is an elevation difference of approximately 15 feet.

Standard and other historical sources documented that the subject property was developed in at least 1937 with a gasoline dispensing station and one other structure, likely a residential dwelling, in the northern and eastern portions of the subject property. In 1940, the gasoline dispensing station was converted to a gift shop. By 1946, a residential dwelling was reportedly converted into a tea room and restaurant in the western portion of the subject property. The gift shop appears to have been demolished by 1949. The tea room and restaurant operated until 1988, when the commercial building was demolished.

## PREVIOUS SITE INVESTIGATION

PM reviewed the following previous environmental reports for the subject property which are included within ASTI's April 2015 Phase I Environmental Site Assessment (ESA).

Name of Report	Date of Report	Company that Prepared Report
Phase I ESA	October 23, 2006	Soils and Materials Engineers, Inc. (SME)

existing fill material as engineered fill, completing moisture conditioning for suitable compaction of the native clay, drilling piers to support the proposed building, and using standard sump and pit methods or crushed aggregate to prevent disturbance from groundwater accumulation.

A subsurface investigation was reportedly completed on the subject property in 2002, in which the scope of work consisted of the advancement of six soil borings and the installation of four monitoring wells. Concentrations of benzene, ethylbenzene, MTBE, naphthalene, and lead were detected in the samples collected from the subject property above the Part 213 Risk-Based Screening Levels (RBSLs) in the northern portion of the subject property; however, these analytical results were not available for review. The concentrations reportedly migrated onto the subject property from the northeast adjoining gasoline dispensing station and open Leaking Underground Storage Tank (LUST) site identified as 35975 Woodward Avenue.

Delta Environmental Consultants, Inc. (Delta) installed five monitoring wells (TW-1, TM3, TW-4, OW-10, and OW-11) on the subject property in 1996 as part of LUST investigation activities for the northeast adjoining open LUST site. Subsequent to installation a series of groundwater monitoring events were completed on the subject property between 1996 and 2006. The most recent documented events available for review occurred in October 2005, February 2006, and April 2006 and were completed by PM. Groundwater samples were collected from TW-1, TW-4, and OW-11 and submitted for laboratory analysis of VOCs and lead, or some combination thereof. TW-3 and OW-10 did not produce groundwater sufficient for groundwater collection. Concentrations of benzene, MTBE, vinyl chloride, and lead were detected in the groundwater samples collected at TW-1 and TW-4 above the Part 213 Residential and Nonresidential DW and/or GSI RBSLs. No concentrations of other VOCs were detected in the groundwater samples collected at TW-1 and TW-4 above the laboratory MDLs or the most restrictive Part 213 Residential RBSLs. No concentrations of VOCs were detected in the groundwater sample collected at OW-11 above the laboratory MDLs. Groundwater flow was calculated to flow southeast towards the Rouge River. PM was unable to locate the permanent monitoring wells during the August 2015 subsurface investigation, discussed below and in Section 1.5.

**Phase I ESA (2015)**: ASTI identified RECs associated with the 1) former gasoline dispensing operations; 2) potential for orphan USTs associated with the gasoline dispensing operations and former fuel oil use; 3) existing contamination; 4) unknown fill material; and 5) the potential for migration from adjoining gasoline dispensing station and a dry cleaner.

**BEA** (2015): On August 11, 2015 PM completed a geophysical survey utilizing GPR at the subject property (Figure 2) to investigate the presence of potential orphan USTs.

No anomalies consistent with orphan USTs were identified. A suspect fill port pipe was visually identified during PM's GPR survey in the central portion of the subject property and the pipe was traced using a PL 2000 utility locator. PM advanced a shallow hand auger to 5.0 feet bgs in the area where the pipe terminated, and no anomalies where encountered.

On August 13, 2015 PM completed a scope of work consisting of the advancement of six soil borings (SB-1 through SB-6), the installation of two temporary monitoring wells (TMW-1 and TMW-2), the installation of six soil gas sampling points (SG-1 through SG-6), and the collection of seven soil samples, two groundwater samples, and six soil gas samples for laboratory analysis of VOCs, PNAs, polychlorinated biphenyls (PCBs), and Michigan Ten Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), and methane, or some combination thereof, to assess the RECs identified in ASTI's April 2015 Phase I ESA.

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen Interval and [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB/TMW-11 (18.0)	2.5-3.5 and 10.0-11.0	13.1-18.1 [16.19]	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Samples collected from the interval with observed fill material and from the sand/clay interface.  GW: Sampled.
SB-12 (20.0)	5.5-6.5 and 10.5-11.5	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Intermediate and deeper sand/clay interface samples collected based on the lack of field evidence of contamination.  GW: Not encountered.
SB/TMW-13 (10.0*)	2.0-3.0*	3.7-8.7 [5.93]	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Sample collected above saturated zone based on the lack of field evidence of contamination.  GW: Sampled.
SB-14 (10.0*)	2.0-3.0*	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Sample collected from interval with observed staining. GW: Not encountered.
SB-15 (10.0*)	2.0-3.0*	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Shallow sample collected to evaluate soils for removal.  GW: Not encountered.

GW - Groundwater

NA - Not Applicable

bgs - below ground surface

PID – photoionization detector

ppm - parts per million

# **Investigation Techniques and QA/QC Procedures**

The soil borings were advanced to the desired depth using a direct push drill rig and/or stainless steel hand auger. Soil sampling was performed for soil classification, verification of subsurface geologic conditions, and for investigating the potential and/or extent of soil and groundwater (if encountered) contamination at the subject property.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water after each sample collection. Drilling and sampling equipment was also cleaned in this manner prior to initiating field activities.

Soils collected from discrete sample intervals were screened using a PID to determine if VOCs were present. Soil from specific depths was placed in plastic bags, sealed, and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag. The PID utilizes a 10.6 electron volts (eV) lamp. Soil samples were collected from the soil borings based upon the highest PID reading, visual/olfactory evidence, a change in geology, surficial soil, and/or directly above saturated soil.

<sup>\*</sup> Depth measured from surface that is approximately 10 feet below street level elevation

2013 entitled "Cleanup Criteria Requirements for Response Activity", in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. Analytical results, when applicable, were compared to VISLs presented in the MDEQ May 2013 Guidance Document for the Vapor Intrusion Pathway.

The analytical results are summarized on Figures 3 and 4 and in Tables 1 through 4. The laboratory analytical reports are included in Appendix B.

## **Soil Analytical Results**

The table below summarizes the analytical results in soil samples from site investigation activities completed between 2006 and 2016 for target analytes that may represent listed hazardous waste. Any detectable concentrations would be representative of a listed hazardous waste as the presumed source is from dry cleaning operations. All soil analytical results are summarized on Figure 3 and in Tables 1 through 3.

#### SUMMARY OF PCE/TCE SOIL ANALYTICAL RESULTS

Part 201 Cleanup Criteria	Target Analyte		Soil Sample Location(s	)
<mdl< th=""><th>PCE/TCE</th><th>SP1 (4.0-5.0) SP5 (3.0-4.0) SB-2 (6.0-7.0) SB-8 (15.0-16.0) SB-12 (10.5-11.5)</th><th>SP2 (4.5-5.5) SP7 (9.0-10.0) SB-3 (19.0-20.0) SB-10 (4.0-5.0) SB-13 (2.0-3.0)</th><th>SP3 (0.0-2.0) SB-1 (5.5-6.5) SB-8 (8.0-9.0) SB-10 (10.0-11.0) SB-15 (2.0-3.0)</th></mdl<>	PCE/TCE	SP1 (4.0-5.0) SP5 (3.0-4.0) SB-2 (6.0-7.0) SB-8 (15.0-16.0) SB-12 (10.5-11.5)	SP2 (4.5-5.5) SP7 (9.0-10.0) SB-3 (19.0-20.0) SB-10 (4.0-5.0) SB-13 (2.0-3.0)	SP3 (0.0-2.0) SB-1 (5.5-6.5) SB-8 (8.0-9.0) SB-10 (10.0-11.0) SB-15 (2.0-3.0)
>MDL and Part 201 Griteria not exceeded	PCE	SB-5 (15.0-16.0)	SB-6 (4.0-5.0)	
DWP (R/NR)	PCE	SP6 (7.0-8.0) SB-7 (5.0-6.0) SB-9 (10.0-11.0) SB-12 (5.5-6.5)	SB-4 (7.5-8.5) SB-7 (9.5-10.5) SB-11 (2.5-3.5) SB-14 (2.0-3.0)	SB-4 (13.0-14.0) SB-9 (4.0-5.0) SB-11 (10.0-11.0)
	TCE		SB-7 (9.5-10.5)	
GSIP	PCE	SP6 (7.0-8.0) SB-12 (5.5-6.5)	SB-4 (7.5-8.5)	SB-7 (9.5-10.5)

MDL - method detection limit

R – Residential

DWP - Drinking Water Protection

NR - Nonresidential

GSIP – Groundwater Surface Water Interface Protection

PCE - Tetrachloroethylene

TCE - Trichloroethylene

In addition to the summarized results above, a concentration of xylenes was identified in SB-11 (10.0-11.0 feet bgs) above Part 201 GSIP cleanup criteria in the soil samples collected in May 2016. Concentrations of various petroleum VOCs were identified in SB-8, SB-10, SB-11, and SB-13 that are below the most restrictive Part 201 cleanup criteria.

Summary Report for Site Investigation Activities at the Vacant Land Located at 856 North Old Woodward Avenue, Birmingham, Michigan PM Environmental, Inc. Project No. 01-5889-0-0003; June 20, 2016

#### **FIGURES**

Figure 1: Site Vicinity Diagram

Figure 2: Generalized Diagram of the Subject Property and Adjoining Properties

Figure 3: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Soil

Analytical Results

Figure 4: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Groundwater

**Analytical Results** 

Figure 5: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Soil Gas

Analytical Results

#### **TABLES**

Table 1: Summary of Soil Analytical Results: VOCs Table 2: Summary of Soil Analytical Results: PNAs

Table 3: Summary of Soil Analytical Results: PCBs and Metals

Table 4: Summary of Groundwater Analytical Results: VOCs, PNAs, Michigan 10 Metals,

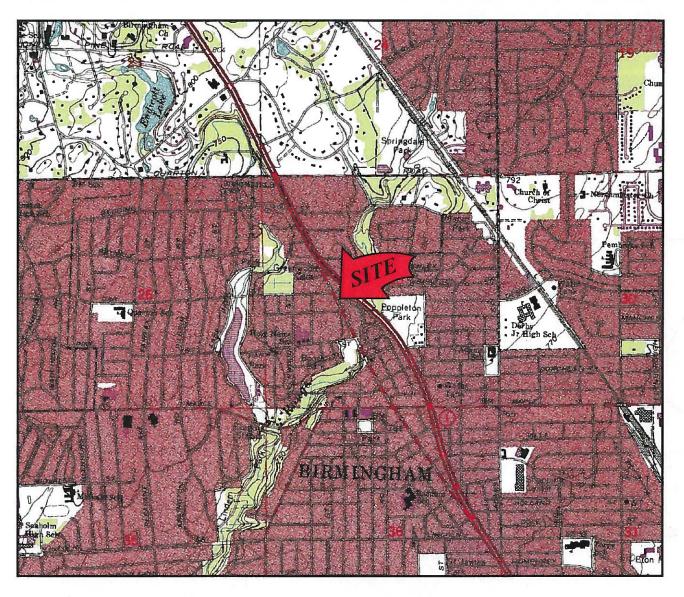
and Methane

Table 5: Summary of Soil Gas Analytical Results: VOCs and Methane

#### **APPENDICES**

Appendix A: Soil Boring Logs

Appendix B: Laboratory Analytical Reports



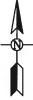
# **OAKLAND COUNTY**



SCALE 1:24,000 1 MILE 1/2 MILE 1 MILE

# FIGURE 1

PROPERTY VICINITY MAP **USGS, 7.5 MINUTE SERIES** BIRMINGHAM, MI QUADRANGLE, 1968. PHOTO REVISED 1981.

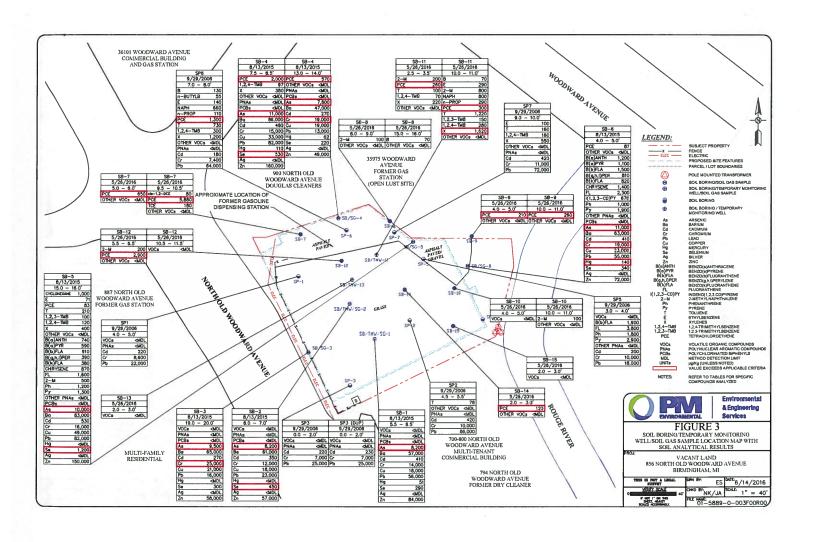


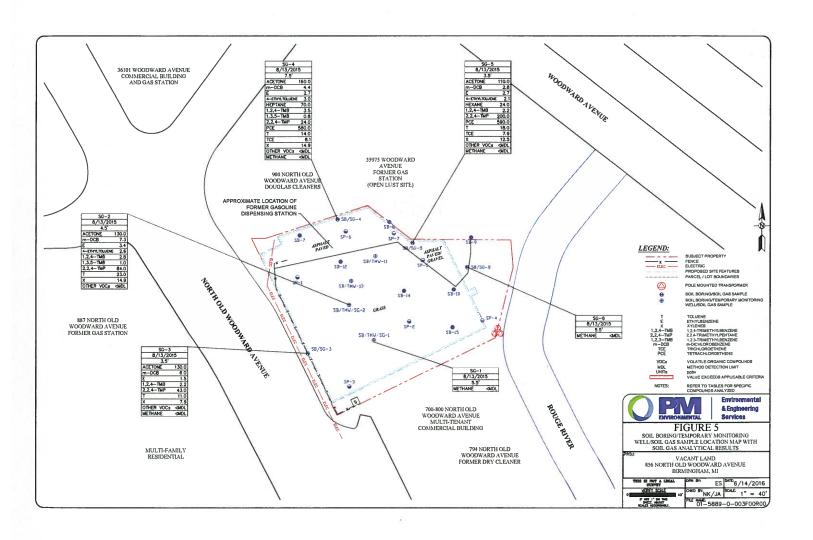


**Environmental** & Engineering Services

PROJ: VACANT LAND 856 NORTH OLD WOODWARD AVENUE RIRMINGHAM MI

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# TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS VOCS ESS NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PRIJECT 691-5829-54903

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VOLA	TILE ORGANIC COMP	оинов	Benzene	n-Butylbentene	Сусюнекате	tis-1,2-Dichleroethen	Ethyl benzene	2-Methylnaphthalens	Nephthalene	n-PropyBonzone	Тетасмоновиня	Toluens	Trichloroethera	1,2,3- Trimethylbanzana*	,2,4-Trimethylbenzer	Xylenes	Other VOCs
Chemical	Abetract Service Num	ber (CASS)	71432	104518	110827	156592	100414	91578	91203	103651	127184	198883	79016	526738	95636	1330207	Various
Sample ID	Sample Date	Sample Depth	1							VOCs	10,101	1	102.0				1
		(feet bgs)							-								
SP1 SP2	9/29/2006	4 0-5 0	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<>	<mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<></td></mdl<>	<mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mol<>	<mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<>	<mdl< td=""><td><mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<>	<mol< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP2 SP3	9/29/2006	4 5-5.5*	<mdl <mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></mdl 	<mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<>	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl 	<mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></td></mdl<>	<mdl< td=""><td><mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<>	<mdl <mdl< td=""><td>78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></mdl 	78 <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><wdf< td=""></wdf<></td></mdl<></td></mdl<>	<mdl< td=""><td><wdf< td=""></wdf<></td></mdl<>	<wdf< td=""></wdf<>
SP3 (DUP)	9/29/2008	0.0-2.0*	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<>	<mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl </td></mdl<>	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></mdl 	<mdl< td=""><td><mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></td></mdl<>	<mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<>	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></mdl 	<mdl <mdl< td=""></mdl<></mdl 
SP5	9/29/2006	30-40	<mdl< td=""><td>4MDL</td><td><mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<></td></mdl<>	4MDL	<mdl< td=""><td><mdl< td=""><td><mol< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<></td></mdl<>	<mdl< td=""><td><mol< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<></td></mdl<>	<mol< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mol<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP6	9/29/2006	7 0-8 0	130	55	<mdl< td=""><td><mdl< td=""><td>140</td><td><mdl< td=""><td>660</td><td>110</td><td>1,380</td><td>730</td><td><mdl< td=""><td><mdl< td=""><td>300</td><td>1,200</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>140</td><td><mdl< td=""><td>660</td><td>110</td><td>1,380</td><td>730</td><td><mdl< td=""><td><mdl< td=""><td>300</td><td>1,200</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	140	<mdl< td=""><td>660</td><td>110</td><td>1,380</td><td>730</td><td><mdl< td=""><td><mdl< td=""><td>300</td><td>1,200</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	660	110	1,380	730	<mdl< td=""><td><mdl< td=""><td>300</td><td>1,200</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>300</td><td>1,200</td><td><mdl< td=""></mdl<></td></mdl<>	300	1,200	<mdl< td=""></mdl<>
5P7	9/29/2008	9 0-1.0	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	100	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>160</td><td>4MDL</td><td><mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<></td></mdl<>	160	4MDL	<mdl< td=""><td>160</td><td>550</td><td>4MDL</td></mdl<>	160	550	4MDL
58-1	8/13/2015	55-65*	<50	<50	<50	<50	<50	<250	<250	<50	<50	<50	<50	<50	150	<150	4MDL
58-2	8/13/2015	6.0-7.0*	<50	<b>450</b>	<50	<50	<50	<250	<250	<50	<50	<50	450	<50	<50	<150	<mdl< td=""></mdl<>
SB-3	8/13/2015	19 0-20 0	<50	<50	<50	<50	<50	<250	<250	<50	<50	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
\$B-4	8/13/2015	7 5-8 5	<50	<50	<50	<50	<50	<250	<250	<50	2,800	<50	<50	<50	97	380	<mdl< td=""></mdl<>
\$B-4	8/13/2015	13 0-14 0	<50	<50	<50	<50	<50	<250	<250	<50	570	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
SB-5	8/13/2015	15 0-16 0	<50	<50	1,000	<50	71	<250	<250	<50	83	210	<50	100	120	400	<mdl< td=""></mdl<>
SB-6	8/13/2015	4 0-5 0	<50	<50	<50	<50	<50	<250	<250	<50	87	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
\$B-7	5/26/2016	5 0-8 0	<70	<70	NA	<79	<70	<100	<300	<70	660	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
58-7	5/26/2016	9 5-10 5	<80	<80	NA	80	<80	<200	<400	<80	6.880	<80	180	<80	<80	<280	<mdl< td=""></mdl<>
58-8	5/26/2016	8 0-9 0	<70	<70	NA.	<70	<70	100	<300	<70	<70	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
58-8	5/26/2016	15 0-16 0	70	<60	NA	<60	<60	<100	<300	<60	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-9	5/25/2016	40-50	<70	<70	NA.	<70	<70	<100	<300	<70	210	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
58-9	5/26/2016	10 0-11.0	<70	<70	NA NA	<70	<70	<100	<300	<70	260	<70	<78	<70	<70	<170	<mdl< td=""></mdl<>
58-10 SB-10	5/26/2016	4 0-5 0	<60	<60	NA .	<60	<60	<100	<300	<60	<60	<60	<60	<60	<b>460</b>	<160	<mdl< td=""></mdl<>
SB-10	5/26/2018 5/26/2016	10 0-11.0 2 5-3 5	<60 <60	<60 <60	NA NA	<60 <60	<60 <60	100	<300 <300	<60 <60	<60 260	<60 100	<60 <60	<60 <60	<60 70	<160 220	<mdl <mdl< td=""></mdl<></mdl 
58-11	5/26/2016	10 0-11.0	70	<70	NA NA	<70	290	800	<300 800	290	300	1.220	<50 <70	150	280	1,620	<mol< td=""></mol<>
SB-12	5/28/2016	55-65	<70	<70	NA NA	<70	<70	200	<300	<70	2,800	1.220 <70	<70	<70	<70	<170	<mol< td=""></mol<>
SB-12	5/26/2016	105-115	<70	<70	NA NA	<70	<70	<100	<400	<70	<70	<70	<70	<70	<70	<170	<mol< td=""></mol<>
SB-13	5/28/2016	2.0-3.0*	<b>450</b>	<60	NA.	<60	<60	<100	<300	460	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
58-14	5/28/2916	20-30"	<60	<50	NA.	<60	<60	<100	<300	<60	128	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
\$8-15	5/28/2916	29-30"	<70	<70	NA NA	<70	<70	<100	<300	<70	<70	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
		: Soil Cleanup Criteria T			and Non-Resi	dential Part 2	Residential	eanup Criteria (µg/Kg)	and Screen)	ng Levels/Par							
Drinking Water Pretecti			100	1,600	HL	1.400	1,500	\$7,000	35,000	1,000	100	16,000	100	1.000	2,100	E.000	Various
ireundwater Surface V lell Votstilization to inc			4,000 (X)	D	HL.	12,000 22,000	360	4.200	738 2.50E+05	ID	1,200 (X)	5,400	4,000 (20)	576	879	650	Verteurs
Sell Votstillzstion to inc Ambient Air Infinite Sec			13,000	D	NL NL	22,000 1,80E+85	87 000 7 30F+65	2.70E+06	2.50E+05	10	11.000 1.70E+05	3.3E+65 (C) 2.80E+66	1.000	2.6E+06 (C) 1.60E+67	4.3E+06 (C) 2.10E+67	8 3E+06 (C) 4.00E+07	Venous
Umblent Air Finite VSI I			34 000		NL NL	4 20E+05	1 DOE+08	1.50E+06	3.00E+05	ID ID	1 70E+05	5.10E+86	25,000	3 80E+08	5.00E+00	8.10E+67	Verteur
Ambient Air Finite VSI f			78.000	D	HL.	0 IDE+06	2.20E+00	1.505+00	3.800 +05		1 1E-06	1.205+67	67 cos	3.005+00	5.00E-00	1.305+08	Venture
Umblent Air Particulate	Sell Inhalstien (Res P	Si)	3.80E+08	2.00E+08	NL	2.10E+09	1 DOE+18	8.70E+08	2.00€+08	1.30E+09	2.7E+00	2.70E+19	1.30E+00	0.20E+10	8 20E+18	2.80E+11	Verteurs
Direct Centact (Res DC	)		1 80E+05	2.50E+08	NI,	2.6E+08 (C)	2 2E+07 (C)	0.10E+00	1.80E+87	2.50E+06	2.9E+65 (C)	5 0E+67 (C)	\$.05+6 (C.00)	3.2E+87 (C)	1.2E+07 (C)	4.1E+88 (C)	Veneus
							Nonreeldent)		1000								
Prinking Water Protecti			100	4 600	. HL	1.400	1 500	1 70E+05	1.00E+05	4 600	100	16,000	100	1 800	2,100	6,600	Verteus
Self Velatifization to Inc			8.408 45.000	D D	HI,	41 000	4.8E+05 (C)	4.90E+08	4 70E+85		21.000	6.1E+05 (C)	1,808	4.6E+66 (C)	E DE+06 (C)	1.2E+67 (C)	Venus
Ambient Air Infinite Sec Ambient Air Finite VSI f			46.000 88.000	D D	NL NL	2.18E+95 4.30E+95	2.40E+06 3.10E+06	1.005+00	3 54E+05 3 50E+05		2.10E+05 4.80E+05	3 50E+00 3 60E+07	14,000	1.80E+67 4.60E+06	2.50E+87 8.00E+08	8.68E+07	Verteus
umblent Air Finite VSI f Umblent Air Finite VSI f			2.305+05	D D	ML ML	4 30E+05	3.10E+06 6.50F+86	1.80E+08	3.50E+05		4 80E+05	3.600-67	25,000 58,000	4.80E+08	8.00E+08	1.305+00	Verteurs
emblent Air Particulate			4.70E+08	0	NL NL	1.00E+08	1 30E+19	1.90E+00	0.00E+05	E.00E+04	1.2E+08	1.20E+18	6.90E+07	4 80E+16	1.00E+18	1.30E+08	Verteur
irect Contact (Nonres			8.40E-05(C)	8.00E+00	ML	8.0E+08 (C)	7 1E+87 (C)	2.80E+87	6.20E+07	0.00E+00	8.3E+85 (C)	1.6E+60 (C)	8 8E+05 (C.DD)	1 0E+00 (C)	1 0E+08 (C)	1.0E+00 (C)	Various
				STATE OF THE PARTY			ereening Lev			a market	2000	100000000	0 0000		*****		
ell Saturation Concen	tration Screening Leve	ris (Csat)	4 00E+05	1.00E+07	ML	6.48E+05	1.40()+05	NA.	NA.	1,00E+07	99,000	2.50E+85	6 DOE+06	84 000	1 10E+05	1.50E+05	Versus

# TABLE 3 SUMMARY OF SOIL ANALYTICAL RESULTS FOIS AND METALS BS6 NORTH OLD WOODWARD AVENUE, BRIMMIGHAM, MICHGAN PM PROJECT 9 01-9889-9-0903

	ORINATED BIPHENYL: OMICHIGAN TÊN META (µg/Kg)		PCB	Arsenic	Barium	Cadmium	Chemium	Capper	Lead	Метсилу	Selenium	Salver	Znc
Chemical	Abstract Service Numb	er (CASS)	1336363	7440382	7440393	7440439	16065831	7440508	7439921	7439976	7782492	7440224	7440666
Sample ID	Sample Date	Sample Depth (feet bgs)	PCBs					Michigan	Ten Metals				
SP1	9/29/2006	4.0-5.0	NA.	NA.	NA.	220	8,500	NA.	22,000	NA	NA.	NA	NA
SP2	9/29/2006	4.5-5 5*	NA.	NA	NA	429	10.000	NA.	86.000	NA	NA.	NA	NA
SP3 SP3 (DUP)	9/29/2008	0.0-2 0°	NA NA	NA NA	NA NA	229 230	7,000	NA NA	25,000 25,000	NA NA	NA NA	NA NA	NA NA
SP5	9/29/2006	3.0-4.0	NA.	NA.	NA.	200	10,000	NA.	18 000	NA.	NA.	NA.	NA.
SP6	9/29/2006	7 0-8 0	NA.	NA.	NA.	180	7.400	NA.	84 000	NA.	NA.	NA	NA.
SP7	9/29/2006	90-10	NA.	NA.	NA	420	11,000	NA.	72.000	NA	NA.	NA.	NA.
58-1	8/13/2015	5 5-6 5*	<mdl< td=""><td>8,298</td><td>57.000</td><td>410</td><td>14,000</td><td>18.000</td><td>56.000</td><td>51</td><td>290</td><td>&lt;100</td><td>84 000</td></mdl<>	8,298	57.000	410	14,000	18.000	56.000	51	290	<100	84 000
58-2	8/13/2015	6 0-7 0°	<mdl< td=""><td>8,200</td><td>61.000</td><td>350</td><td>12,000</td><td>18,000</td><td>23.000</td><td>&lt;50</td><td>480</td><td>&lt;100</td><td>57,000</td></mdl<>	8,200	61.000	350	12,000	18,000	23.000	<50	480	<100	57,000
\$B-3	8/13/2015	19 0-20 0	<mdl< td=""><td>9,500</td><td>65 000</td><td>270</td><td>25,090</td><td>21,000</td><td>15.000</td><td>&lt;50</td><td>300</td><td>&lt;100</td><td>58,000</td></mdl<>	9,500	65 000	270	25,090	21,000	15.000	<50	300	<100	58,000
58-4	8/13/2015	75-85	<mdl< td=""><td>11,000</td><td>86.000</td><td>480</td><td>15,000</td><td>33.000</td><td>82,000</td><td>110</td><td>538</td><td>&lt;100</td><td>160 000</td></mdl<>	11,000	86.000	480	15,000	33.000	82,000	110	538	<100	160 000
58-4	8/13/2015	13 0-14 0	<mdl< td=""><td>7,800</td><td>47,000</td><td>270</td><td>19,000</td><td>19,000</td><td>13,000</td><td>62</td><td>220</td><td>&lt;100</td><td>49 000</td></mdl<>	7,800	47,000	270	19,000	19,000	13,000	62	220	<100	49 000
88-5	8/13/2015	15 0-16 0	<mdl< td=""><td>10,000</td><td>83 000</td><td>530</td><td>16,000</td><td>49.000</td><td>82,000</td><td>&lt;50</td><td>1,200</td><td>&lt;100</td><td>150 000</td></mdl<>	10,000	83 000	530	16,000	49.000	82,000	<50	1,200	<100	150 000
58-6	8/13/2015	4 9-5 0	<mdl< td=""><td>11,600</td><td>63,000</td><td>410</td><td>19,800</td><td>23.000</td><td>55 000</td><td>140</td><td>340</td><td>&lt;100</td><td>72,000</td></mdl<>	11,600	63,000	410	19,800	23.000	55 000	140	340	<100	72,000
- 10 - 10				Re	reldential (yg	Mg)		2/4					
tatewide Default Backg	round Levels		NA	5.000	75,000	1.200	18,000	32,000	21,000	130	418	1.008	47,000
rinking Water Protection	n (Res DWP)		HLL	4.800	1.300;+06	8,000	34.008	E.00E+00	7.00E+05	1,790	4 900	4,500	2.40E+08
ireundwater Surface Wa	ter interface Pretection	(GSIP)	HLL	4 800	1.36+08 (G)	7 700 (0.33	3,340	1.8E+05 (G)	8.25+86 (3.73				2.402+08
iell Velstilization to inde	er Air inhalation (Res S	VII)	3.05+66				7,366		awr.eelend	00 (N): 1.2	400	100 (M): 27	_
mblent Air infinite Soun	o Malettie Sall inhabite		X100+00	NLV :	NLV	MLV	NLV .	HLV	HLV	68 (M): 1.2 48.900	400 NLV	100 (M); 27 NLV	_
	O TOMBING GOOD RESIDENCE	in (Res VSI)	2.40€+05	NLV	NLV		_				_		3.8E+05 (G
mblem Air Finite VSI for		, ,				HLV	NLV	HLV	HLV	48.000	NLV	NLV	3.8E+85 (G
mblent Air Finite VSI for	6 Mater Source Thickn	411	2.48€+85	NLV	NLV	HLV	HLV	HLV	HLV	48.900 82,900	MLV	NLV	3.8E+05 (G NLV
	8 Meter Source Thickn 2 Meter Source Thickn	411	2.48E+86 7.8E+86	NLV	NLV	HLV	HLV HLV	HLV HLV	HIV HIV	48.000 \$2,000 \$2,000	MLV MLV	NLV NLV	3.8E+85 (C NLV NLV
mblem Air Finite VSI for mblent Air Finite VSI for mblent Air Particulate S	8 Meter Source Thickn 2 Meter Source Thickn	411	2.48E+05 7.8E+06 7.8E+06	NLV NLV NLV 7:29E+85 7:800	NLV NLV NLV 3.50E+00 3.70E+07	HLV HLV HLV 170E+08	HLV HLV	HLV HLV HLV	HIV HIV	48.000 82,000 \$2,000 82,000	NLV NLV NLV	NLV NLV NLV	NFA NFA NFA NFA 3'8E-46 k
mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Particulate S frect Contact (Res DC)	5 Meter Source Thickn 2 Meter Source Thickn oll Inhalation (Res PSI)	411	2.40E+05 7.8E+06 7.8E+06 E.2E+08	NLV NLV NLV 7.39E+85 7.600 Non	NLV NLV S10E+00 3.70E+07 residential (	HLV HLV HLV HLV 1 70E+08 1 50E+08	HLV HLV HLV NLV 2 80E+85 2.50E+88	HLV HLV HLV 138E+08 2,80E+67	HLV HLV HLV 1.00E+08 4.80E+08	48.000 \$2.000 \$2.000 \$2.000 2.000 2.000+07 1.60E+05	NLV NLV NLV 1.30E+08 2.60E+08	NLV NLV NLV NLV 8.70E+06 2.50E+08	3.8E+05 (C NLV NLV NLV NLV D 1.78E+08
mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Particulate S irect Contact (Res DC) rinking Water Protection	8 Meter Source Thickn 2 Meter Source Thickn oH Inhalation (Res PSI) in (Nonres DWP)	469	2.48E+05 7.8E+06 7.8E+06 6.2E+06 (1)	NLV NLV 729E+85 7.600 Nen 4.600	NLV NLV 3.505+00 3.705+07 re-alderstini (j	HLV HLV HLV 1 79E-08 E 50E-05 Jg(FQ) 4.000	NLV NLV NLV 2.005+05 2.505+08	HLV HLV HLV 138E+08 2,80E+87	HLV HLV HLV 1.00E+88 4.80E+85	48.900 81.900 82.000 82.000 2.865+67 1.865+05	NLV NLV NLV 1 30E+08 Z 80E+08	NLV NLV NLV NLV 8.70E-06 2.50E-06	3.8E+05 (C NLV NLV NLV D 1.78E+00 \$.00E+08
mblent Air Finits VSI for mblent Air Finits VSI for mblent Air Particulate S frect Contact (Res DC) rinking Water Protection ell Volatilization to indo	8 Meter Source Thickn 2 Meter Source Thickn oli Inhalation (Res PSI) in (Nonres DWP) or Air Inhalation (Nonre	ess ess * SVII)	2.48E+08 7.8E+08 7.8E+08 6.2E+08 (T) 8LL 1.8E+87	NLV NLV NLV 7-205-65 7-600 Non 4-800 NLV	NLV NLV 3.50E+08 3.70E+07 residential (j 1.30E+08 NLV	HLV HLV HLV 1 70E-08 8.60E-05 HLV	NLV NLV NLV 2 805+85 2 2505+86 38,000 HLV	HLV HLV HLV 138E+08 Z.80E+07 E.90E+08 HLV	HLV HLV HLV 1.00E+88 4.80E+05	48.900 \$1,000 \$2,000 \$2,000 2,865+67 1,605+05	NLV NLV NLV 1 30E+08 2 80E+06	NLV NLV NLV 8.70E-08 2.50E+08	3.8E+05 K NLV NLV NLV NLV D 1.78E+08
mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Particulate S frect Contact (Res DC) rinking Water Protection of Volatifization to indo mblent Air infinite Sour	8 Meter Source Thickn 2 Meter Source Thickn old Inhalation (Res PSI) in (Nonres DWP) or Air Inhalation (Nonre to Volatile Soil Inhalatio	ess ess ess esvii) es (Norres VS)	2.48E+86 7.8E+86 7.8E+86 8.2E+88 (1) MUL 1.8E+87 8.19E+85	NLV NLV 7-29E-85 7-800 Nor 4-800 NLV	NLV NLV 3.50E+08 3.70E+07 residential () 1.30E+00 NLV	NLV HLV HLV 170E-08 1.00E-05 HLV HLV HLV	NLV NLV NLV 2 80E+85 2 80E+88 38 800 NLV NLV	HLV HLV HLV 1385+08 2,805+67 6,905+08 HLV HLV	HLV HLV HLV 1.00E+88 4.80E+05 7.00E+05 HLV HLV	48.000 82.000 82.000 2.005+67 1.005+05 1.700 81.000 82.000	NLV NLV NLV 1.30E+08 2.80E+08 4.800 NLV NLV	NLV NLV NLV 8.79E-98 2.50E-98 4.500 NLV NLV	3.8E+65 (6 NLV NLV NLV D 1.78E+68 S.00E+68 NLV NLV
mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Particulate S frect Contact (Res DC) rinking Water Protection of Volatifization to Indo mblent Air Infinite Soura mblent Air Infinite VSI for	Meter Source Thickn     Meter Source Thickn     Minhalation (Res PSI)     (Nonres DWP)     or Air Inhalation (Nonres     over the Meter Source Thickn     Meter Source Thickn	ess ess ess ess ess ess ess ess ess ess	2.48E+88 7.8E+88 7.8E+88 8.2E+88 (1) MUL 1.8E+87 8.19E+85 2.8E+67	NLV NLV 7 295-65 7,800 Mon 4,800 NLV NLV	NLV NLV 3.50E+08 3.70E+07 re-alderstial (j 1.30E+08 NLV NLV	HLV HLV HLV 1 70E-08 1 10E-08 4 1000 HLV HLV HLV	NLV NLV NLV 2.00E+05 2.50E+00 NLV NLV NLV NLV NLV NLV NLV NLV	HLV HLV HLV 1386+08 2,806+67 6,906+08 HLV HLV HLV	HLV HLV HLV 1.00E+88 4.80E+85 7.00E+85 HLV HLV	48.000 82.000 82.000 2.005+67 1.005+05 1.700 88.000 82.000	NLV NLV NLV 1 30E+08 2 80E+08 4 800 NLV NLV	NLV NLV NLV 8.79E-98 2.50E-98 4.500 NLV NLV NLV NLV	3.8E+03 (6 NLV NLV NLV D 1.78E+00 1.00E+00 NLV NLV
mblent Air Pinite VSI for mblent Air Pinite VSI for mblent Air Particulate S irect Contact (Res DC) rinking Water Protection ell Velstifization to Inde mblent Air Initia VSI for mblent Air Finite VSI for mblent Air Finite VSI for	5 Meter Source Thickn 2 Meter Source Thicknell inhalation (Res P35) in (Nonres DWP) or Air Inhalation (Nonres 5 Meter Source Thickn 2 Meter Source Thickn 2 Meter Source Thickn	ess ess ess ess ess ess ess	2.45E+985 7.8E+986 7.8E+986 6.2E+988 (17) 81LL 1.8E+987 8.13E+985 2.8E+987	NLV NLV 7 205-85 7,600 Mon 4,800 NLV NLV NLV	NLV NLV 3.50E+00 3.70E+07 re-alderstial (j. 1.50E+00 NLV NLV NLV	HLV HLV HLV 170E-08 1.50E-05 4.000 HLV HLV HLV HLV HLV	NLV NLV NLV 2 805+85 2 505+86 38 009 NLV NLV NLV NLV NLV	MLV MLV MLV 1.38E+08 2.80E+07  8.80E+08 MLV MLV MLV MLV MLV MLV	HLV HLV HLV 1.00E+88 4.80E+05  7.00E+05 HLV HLV HLV HLV	44.000 \$1.000 \$1.000 \$2.000 \$2.000 \$1.000 \$1.000 \$1.000 \$1.000 \$2.000 \$2.000	NLV NLV NLV 1 30E+08 2 80E+08 4 900 NLV NLV NLV NLV NLV NLV NLV NLV	NLV NLV NLV S 79E-98 2 50E-98 A 500 NLV NLV NLV NLV NLV NLV	3.002+00 (c) NLV NLV NLV D 1.7602+00 HLV HLV HLV HLV HLV HLV
umbient Air Finite V31 for umbient Air Finite V31 for umbient Air Particulate 8 fired Contact (Res DC) trinking Water Protection of Volatilization to Indo umbient Air trifinite Seur umbient Air finite V31 for umbient Air Finite V31 for umbient Air Particulate 3	5 Meter Source Thicknown Indicate Source Thicknown Indicate (Res P36) In (Nonres DWP) In (Nonres DWP) In (Nonres DWP) In Vertical Inhabition (Nonres Indicate Thicknown Indicate Thicknown Indicate Indicate Inhabition (Nonres Inhabition (Nonre	ess ess ess ess ess ess ess	2.40E+005 7.80E+006 7.80E+006 6.20E+006 (17) 86LL 1.80E+007 8.10E+007 2.80E+007 E.60E+007	NLV NLV 7 295-45 7,600 Mon 4,800 NLV NLV NLV NLV R,565-65	NLV NLV 3.50E+00 3.70E+07 re-alderstial (j. 1.50E+00 NLV NLV NLV 1.50E+00	96,V 96,V 96,V 1706+08 8,606+05 9,600 9,60	NLV NLV NLV NLV 2 000-05 2 550-08 38,000 NLV NLV NLV NLV NLV 2 466-65	MLV MLV MLV MLV 1.36E+08 2.80E+08 MLV MLV MLV MLV MLV MLV MLV MLV MLV MLV	HLV HLV HLV HLV 1.00E+06 4.80E+05 7.00E+06 HLV HLV HLV HLV HLV 4.40E+07	48,000 \$1,000 \$2,000 \$2,000 2,86E+67 1,700 \$9,000 \$2,000 \$	NLV NLV NLV 1.30E-06 2.60E+06 4.000 36LV 96LV 96LV 96LV 6.00E+67	NLV NLV NLV NLV S 70E-86 2 50E-86 4 500 NLV NLV NLV NLV NLV NLV NLV NLV NLV	3.86+06 pc MLV MLV MLV MLV D 1.78E+08 MLV MLV MLV MLV MLV
mblent Air Pinite VSI for mblent Air Pinite VSI for mblent Air Particulate S irect Contact (Res DC) rinking Water Protection ell Velstifization to Inde mblent Air Initia VSI for mblent Air Finite VSI for mblent Air Finite VSI for	5 Meter Source Thicknown Indicate Source Thicknown Indicate (Res P36) In (Nonres DWP) In (Nonres DWP) In (Nonres DWP) In Vertical Inhabition (Nonres Indicate Thicknown Indicate Thicknown Indicate Indicate Inhabition (Nonres Inhabition (Nonre	ess ess ess ess ess ess ess	2.45E+985 7.8E+986 7.8E+986 6.2E+988 (17) 81LL 1.8E+987 8.13E+985 2.8E+987	NLV NLV 7.29E-65 7.600 Mon 4.800 NLV NLV NLV 8.19E-65 37,000	NLV NLV 3.36E+68 3.76E+67 residential (j. 1.36E+68 NLV NLV NLV 1.56E+68 1.36E+68	96,V 96,V 96,V 170E+08 8,60E+08 98,97(g) 8,000 96,V 96,V 96,V 2,20E+08	NLV NLV NLV 2 805+85 2 505+86 38 009 NLV NLV NLV NLV NLV	MLV MLV MLV 1.38E+08 2.80E+07  8.80E+08 MLV MLV MLV MLV MLV MLV	HLV HLV HLV 1.00E+88 4.80E+05  7.00E+05 HLV HLV HLV HLV	44.000 \$1.000 \$1.000 \$2.000 \$2.000 \$1.000 \$1.000 \$1.000 \$1.000 \$2.000 \$2.000	NLV NLV NLV 1 30E+08 2 80E+08 4 900 NLV NLV NLV NLV NLV NLV NLV NLV	NLV NLV NLV S 79E-98 2 50E-98 A 500 NLV NLV NLV NLV NLV NLV	3.002+00 (c) NLV NLV NLV D 1.7602+00 HLV HLV HLV HLV HLV HLV
mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Finite VSI for mblent Air Protection if Volatilization to indo mblent Air Infinite Seum mblent Air Infinite VSI for mblent Air Infinite VSI for mblent Air Finite V	5 Meter Source Thicknown Indicate Source Thicknown Indicate (Res P36) In (Nonres DWP) In (Nonres DWP) In (Nonres DWP) In Vertical Inhabition (Nonres Indicate Thicknown Indicate Thicknown Indicate Indicate Inhabition (Nonres Inhabition (Nonre	ess ess s SVI) n (Norres VSI) ess ess	2.40E+005 7.80E+006 7.80E+006 6.20E+006 (17) 86LL 1.80E+007 8.10E+007 2.80E+007 E.60E+007	NLV NLV 7.29E-65 7.600 Mon 4.800 NLV NLV NLV 8.19E-65 37,000	NLV NLV 3.50E+00 3.70E+07 re-alderstial (j. 1.50E+00 NLV NLV NLV 1.50E+00	96,V 96,V 96,V 170E+08 8,60E+08 98,97(g) 8,000 96,V 96,V 96,V 2,20E+08	NLV NLV NLV NLV 2 000-05 2 550-08 38,000 NLV NLV NLV NLV NLV 2 466-65	MLV MLV MLV MLV 1.36E+08 2.80E+08 MLV MLV MLV MLV MLV MLV MLV MLV MLV MLV	HLV HLV HLV HLV 1.00E+06 4.80E+05 7.00E+06 HLV HLV HLV HLV HLV 4.40E+07	48,000 \$1,000 \$2,000 \$2,000 2,86E+67 1,700 \$9,000 \$2,000 \$	NLV NLV NLV 1.30E-06 2.60E+06 4.000 36LV 96LV 96LV 96LV 6.00E+67	NLV NLV NLV NLV S 70E-86 2 50E-86 4 500 NLV NLV NLV NLV NLV NLV NLV NLV NLV	3.8E+05 MLV MLV MLV MLV D 1.78E+00 MLV MLV MLV MLV MLV MLV MLV MLV

# TABLE 5 SUMMARY OF SOIL GAS ANALYTICAL RESULTS VOCS AND METHANIE S56 NORTH OLD WOODWARD AVENUE, BREMENGHAM, MICHIGAN PAP PROLECT 6 1-5856-9003

v	DLATHLE ORGANIC COMP( AND METHANI (ppbv)		Acetore	Dichlerabenzens	Ethylbeniene	-Ethyllokuene	Heptane	Нехале	Trimethylbenzene	Trimethylbengana	Trimethylpentane	achierosthylens	Toluens	chlansethylene	m.p-Xylene	o-Xyleme	ylenes (total)	Other VOCs	Methans
				ě	-				12.4	13,5	2,2,4	1 2		F			ı î		
	Chemical Abstract Servic	e Number (CASS)	67641	541731	100414	622958	142825	110543	95636	108678	540841	127184	108883	79016	1330207	95476	1330207	Vanous	74828
Sample ID	Sample Date	Sample Depth (feet bgs)								v	Ce								Methane
SG-1	8/13/2015	5.5*	NA	NA	NA	NA	NA	NA	NA	NA.	NA	NA	NA	NA	NA.	NA.	NA	NA.	ND
SG-2	8/13/2015	45*	130.0	7.3	34	2.6	<0.80	<0.80	2.8	1.0	84 0	<0.16	23.9	<0.16	11.0	3.9	14 9	ND	NA
SG-3	8/13/2015	35	130 0	6.0	1.5	<0.80	<0.80	08.0>	22	40 80	43.0	<0.16	11.0	<0 16	5.7	2.2	7.9	ND	ИD
SG-4	8/13/2015	7.5	150 0	4.4	27	3.0	70.0	<0.80	3.5	0.6	24 0	580.0	14.0	8.1	11.0	3.9	14 9	ND	ND
SG-5	8/13/2015	35	110 0	2.8	2.7	2.1	<0.80	24 0	2.2	<0.80	200 0	590.0	18.0	7.9	9.3	3.2	12.5	ND	ND
SG-8	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA.	NA	NA	NA	NA	NA.	A	NA	NA	ND
		MDEQ Guidance Doc	ument For 1	The Vapor In	trusion Path	way, Policy	and Procedi	are Number:	09-017, App	endix D Va	er Intrusier	Screening '	/alues, May	2013					
						Residen	itle! Screenir	ig Levels (p	phy)										
Vaper intrusion Shallow	Sub-Slab Sell Gas Screen	ing Levels (s 1.5m bge) (5G <sub>vt.es</sub> )	82,000	16	840	NOC	25.000	6.600	1,500	1,600	25,000	275	44.000	12	798	790	780	Venue	1,25E+64 (g)
Vaper Intrusion Deep Sc	ill Gas Screening Levels (3	GM)	8.29E+65	168	8.400	NDC	2.00E+05	88,000	15,000	18,000	2.50E+05	1,760	4.48E+05	120	7,600	7,800	7,600	Vertexe	1,25E+64 (g)
							ential Screen												
		ng Levels (s 1.5m bgs) (SG <sub>Was</sub> )	1.48E+86 1.40E+87	289	13,000	NOC	4 79E+85	1.18E+05	25,000	25,000	4.29E+05	3,300	7.40E+05	216	13,000	13,008	13,800	Vertext	1.25E+04 (g)
Vapor Intrusion Deep 34	spor intrusion Deep Soli Gas Screening Levels (SG <sub>V</sub> )				1 30E+05	NDC	4 70 E+80	1 10E+08	2.50E+05	2.60E+05	4.20E+08	33,000	7.40E+00	2,100	1.38E+85	1.30E+05	1 30E+05	Various	1.25E+04 (g)

Applicable Criterio/RBSI, Exceeded
BDLD Vlabe Exceeded Applicable Criterio
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# Boring Log.

**Project No.:** 01-5889-0-003

Project Name: Vacant Land

Facility ID#:

Logged By: JC

Boring No.: SB-7

**Date Drilled:** 5/26/2016

Drill Rig: 6712 DT

Sampling Method: 2 1/4"MC

	5	SUBSURFACE PROFILE	325	SAMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
		ASPHALT	1 1	_	0.0	
3		SP- (Loose) SAND (moist) Brown, fine, trace gravel		Ξ	0.0	
2-					0.0	
4		SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	
		Brown, fine		-	0.0	
6-		CL- (Medium Stiff) CLAY (moist)	SS-1 5.0 - 6.0'	-	0.0	
		Brown		-	0.0	
8-					0.0	
				_	0.0	
10-	illiiliilii	SM- (Medium Dense) SILTY SAND	SS-2	2	0.0	
10 1		(moist) Brown, fine	9.5 - 10.5	-	0.0	
12		CL- (Medium Stiff) CLAY (moist) Gray		141	0.0	
12		City		-	0.0	
14			SS-3 13.0 - 14.0'	-	0.0	
				-	0.0	
16				4	0.0	
				-	0.0	
18				-	0.0	
10				<b>.</b>	0.0	
20-				-	0.0	
20		ž			*	

 $\textbf{\textit{Completion Notes:}} \ \mathsf{EOB} \ @ \ \mathsf{20'} \ \mathsf{bgs.} \ \mathsf{Hole filled with soil cuttings and bentonite}.$ 

- The indicated stratification lines are approximate in situ.

  The transitions between materials may be gradual.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.

**Sheet:** 1 of 1



# Boring Log.

**Project No.:** 01-5889-0-003

Project Name: Vacant Land

Facility ID#:

Logged By: JC

Boring No.: SB-9

Date Drilled: 5/26/2016

Drill Rig: 6712 DT

Sampling Method: 2 1/4"MC

	5	SUBSURFACE PROFILE	1-1-	SAMPL		
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
=		ASPHALT		-	0.0	
2		SP- (Loose) SAND (moist) Brown, fine, (with gravel and construction debris 0 - 9.5' bgs)		-	0.0	
				-	0.0	
4-				-	0.0	
. 1			SS-1 4.0 - 5.0'	- 1	0.0	
=				-	0.0	
6-				-	0.0	
=				2	0.0	* I I I I I I I I I I I I I I I I I I I
8 -				-	0.0	
3	RUKKUKKUK	SM (Madium Danes) SU TV CAND		-	0.0	
10-		SM- (Medium Dense) SILTY SAND (moist) Brown, fine, (with construction debris)	SS-2 10.0 - 11.0'	-	0.0	
=		CL- (Stiff) CLAY (moist)		=	0.0	
12		Brown		-	0.0	-51
=					0.0	
14-		CL- (Soft) CLAY (moist)	SS-3 14.0 - 15.0'	-	0.0	
		CL- (Soft) CLAY (moist) Gray/Brown		ie'	0.0	
16-					0.0	1
		×			0.0	
18					0.0	
20				-	0.0	
20		=				

Completion Notes: EOB @ 20' bgs. Hole filled with soil cuttings and bentonite.

- The indicated stratification lines are approximate in situ.

  The transitions between materials may be gradual.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.

Sheet: 1 of 1



# Well Log.

Well No.: SB/TMW-11 **Project No.:** 01-5889-0-003

Project Name: Vacant Land Date Drilled: 5/26/2016

Facility ID#: Drill Rig: 6712 DT

Sampling Method: 2 1/4"MC Logged By: JC

SUBSURFACE PROFILE			S	AMPL	E.	LINORE LORGE 1851 IN		
Depth (ft.)	Description and Comments		Sample # Depth	Blow Counts	PID (ppm)	Groundwater Well Completion Details		
0-		Ground Surface						
-		GRASS/TOP SOIL		-	0.0			
2		SP- (Loose) SAND (moist) Brown, fine (with construction debris, gravel and concrete 3.5 - 4' bgs), black staining 3-	=	-	0.0	VC Casing		
=		3.5' and 8-11' bgs.	SS-1	-	0.0	Can Can		
		_	2.5 - 3.5'	1-1	0.0	Gro		
				-	0.0	1 us		
Ξ,				-	0.0	S		
=				-	0.0			
				-	0.0	1" 10-Slot PVC Screen		
=		-		_	0.0	=		
		* 1		-	0.0	6.		
3			SS-2 10.0 - 11.0'	-	0.0	16.1		
		SM- (Medium Dense) SILTY SAND (moist)	10.0 - 11.0	-	0.0	-		
=		Brown, fine (with construction debris 11.5 - / 12' bgs)			0.0			
		SP- (Loose) SAND (moist) Brown, fine, trace gravel		-	0.0	######################################		
				-	0.0	, with the second secon		
					0.0	-		
=				-	0.0			
		SP- (Loose) SAND (saturated) Brown, fine, trace gravel		-	0.0			
=		-		-	0.0			
		REFUSAL @ 18' bgs				18.06′		
=								

Completion Notes: EOB @ 18' bgs. Hole filled with soil cuttings and bentonite.

- The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
   Boring backfilled with natural soils unless otherwise noted

Sheet: 1 of 1



## Well Log.

**Project No.:** 01-5889-0-003 **Well No.:** SB/TMW-13

Project Name: Vacant Land Date Drilled: 5/26/2016

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

	S	SUBSURFACE PROFILE	S	AMPL	<u>E</u>	PROPERTY OF A STATE OF THE STAT			
Boring Profile		Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	Groundwater Well Completion Details			
		Ground Surface	Α.						
		GRASS/TOP SOIL				9			
		SP- (Loose) SAND (moist) Brown, fine, trace gravel	=	-	0.0	Surfa			
			æ		0.0	Casing Ground Surface			
			SS-1 2.0 - 3.0'	-	0.0				
				-	0.0	\$\rightarrow \\ \rightarrow \			
				-	0.0	1" PVC Screen  1" PVC Screen  2			
			SS-2 5.0 - 6.0'	-	0.0	1" 10-Slot PVC Screen			
		SP- (Loose) SAND (saturated) Brown, fine, trace gravel		_	0.0	10-8-			
		CL- (Soft) CLAY (moist) Gray		-	0.0	1" 10-Slot PVC Screen Approximate W			
				-	0.0	8.74'			
SM- (Medium (moist) Brown, fine		SM- (Medium Dense) SILTY SAND (moist) Brown, fine	3	2	0.0	NOTE: MEASUREMENTS  FROM 10 FEET BELOW			
					*	STREET ELEVATION			

Completion Notes: EOB @ 10' bgs. Hole filled with soil cuttings and bentonite.

- The indicated stratification lines are approximate in situ.

  The transitions between materials may be gradual.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted

**Sheet:** 1 of 1



## Boring Log.

**Project No.:** 01-5889-0-003

Project Name: Vacant Land

Facility ID#:

Logged By: JC

Boring No.: SB-15

Date Drilled: 5/26/2016

Drill Rig: 6712 DT

Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPLI		
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
-		GRASS/TOP SOIL  SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	v 1
-		SAND (moist) Brown, fine		-	0.0	
2			SS-1 2.0 - 3.0'	nagas	0.0	
-				-	0,0	
-				-	0.0	
6-		CL- (Medium Stiff) CLAY (moist) Brown (constuction debris 7 - 8')		-	0.0	
-				-	0.0	
-			SS-2	-	0.0	
8-		CL- (Soft) CLAY (moist) Gray	D	-	0.0	
-				-	0.0	NOTE: MEASUREMENTS
10-						STREET ELEVATION
	<u> </u>					

Completion Notes: EOB @ 10' bgs. Hole filled with soil cuttings and bentonite.

- The indicated stratification lines are approximate in situ.

  The transitions between materials may be gradual.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.

Sheet: 1 of 1

**Assessors Map** 





**LOCATION MAP** SCALE: I" = 2,000'±

## SITE DEVELOPMENT PLANS

### 856 OLD NORTH WOODWARD **PROPOSED 4 STORY MULTI-FAMILY BUILDING WITH RETAIL**

PARCEL ID: 19-25-328-001 856 NORTH OLD WOODWARD AVENUE CITY OF BIRMINGHAM, OAKLAND COUNTY, MICHIGAN



**AERIAL MAP** SCALE: I" = 100'±

OAK AVENUE ZONE R-7

**ZONING MAP** SCALE: I" = 100'±



Know what's **below Call** before you dig.

### **STONEFIELD** engineering & design, Ilc.

PLANS PREPARED BY:

Bloomfield Hills, MI \* Rutherford, NJ \* Farmingdale, NY www.stonefieldeng.com

2350 Franklin Road, Suite 210, Bloomfield Hills, MI 48302 Phone 248.247.1115

SHEET INDEX					
DRAWING TITLE	SHEET #				
COVER SHEET	C-I				
DISTING CONDITIONS PLAN	C3				
PRIT FLOOR STE FLAN	CJ .				
GMDHG FLAN	C4				
UTRUTY FLAN	Ca				
SOIL SROSON & SEDMENT CONTROL FLAN	C4				

APPLICANT/OWNER PLS PROPERTIES et, LLC 2008 WALNUT LAKE ROAD SURVEYOR

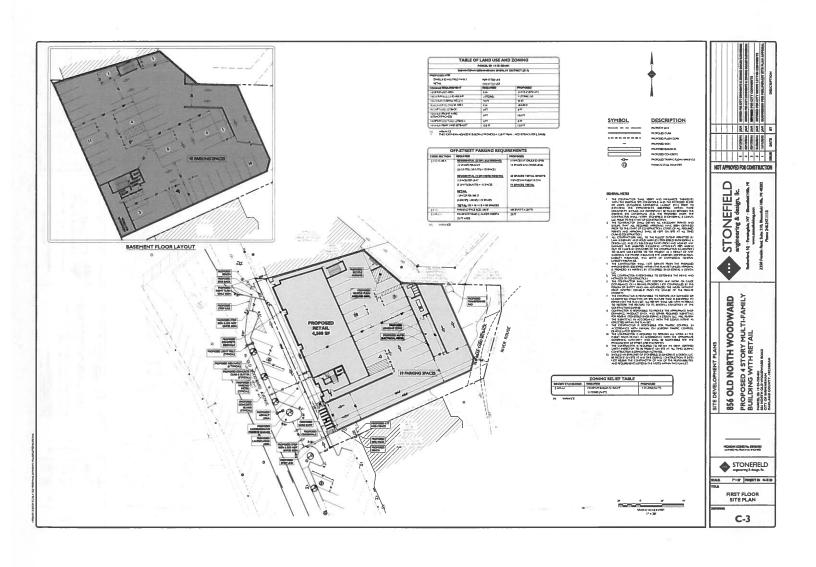


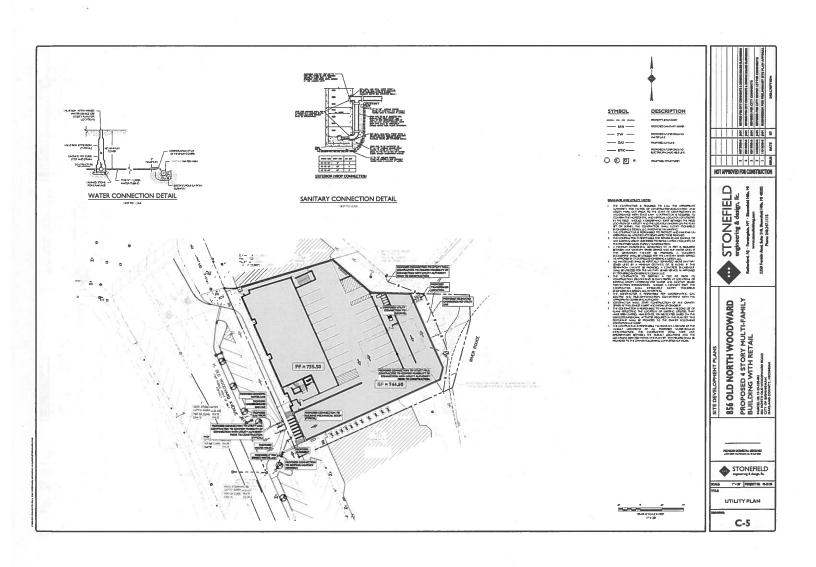


PROPOSED 4 STORY MULTI-FAMILY BUILDING WITH RETAIL 856 OLD NORTH WOODWARD









# Appendix E



#### Table 2: TIF Table

		2017	2918 YR1	2018 YR2	2920 YR3	2021 YR4	2022 YRS	2823 YR6	2034 YR7	2025 YR8	2028 YRS	2027 YR10	2028 YR11	2020 YR12	2050 YR13	2031 YR14	New Est, Taxes Generated in Yre 1-16	New Est.Tax Generated Yr 13
Base Taxable Value Estimated New Taxable Value (estimated increase of 1%/year) Incremental Difference (New Taxable Value masus Taxable Value)		\$ 322,450	\$ 322,450 ! \$ 2,500,000 ! \$ 2,177,550 !	322,450 \$ 5,000,000 \$ 4,677,550 \$	322,450 \$ 5,050,000 \$ 4,727,550 \$	322,450 \$ 5,100,500 \$ 4,778,050 \$	322,450 \$ 5,151,505 \$ 4,829,055 \$	322,450 \$ 5,203,020 \$ 4,880,570 \$	322,450 \$ 5,255,050 \$ 4,932,600 \$	322,450 S 5,307,601 S 4,985,151 S	322,450 \$ 5,360,677 \$ 5,038,227 \$	322 450 5,414 284 5,091,834	322,450 \$ 5 5,468,426 \$ 5 5,145,976 \$	322,450 \$ 5,523,111 \$ 5,200,661 \$		322,450 5,634,125 5,311,675		
Accal Taxes - Milliage Liny Mallage (13 4530 mills) Cally Operating Rahuse Library Library Library	11 1843 0 8687 1 4100 13.4630		\$ 24,354 1 \$ 1,892 1 \$ 3,070 1 \$ 28,318 8	52,315 \$ 4,083 \$ 6,595 \$ 82,874 \$	52,874 \$ 4,107 \$ 6,666 \$ 63,647 \$	8,737 \$	54,010 \$ 4,195 \$ 6,809 \$ 88,014 \$	54,586 \$ 4,240 \$ 6,882 \$ 65,707 \$	55,168 \$ 4,285 \$ 6,955 \$ 66,408 \$	55,755 \$ 4,331 \$ 7,029 \$ 87,118 \$	56,349 \$ 4,377 \$ 7,104 \$ 67,838 \$	58,949 4,423 7,179 68,651	7,256 \$	58,166 S 4,518 S 7,333 S 70,018 8	58,783 \$ 4,566 \$ 7,411 \$ 70,786 \$	59,407 4,614 7,489 71,511	\$ 40,063 6 85,027	8 51,77 8 83,96
Sizenty Milegen (1 6 455 miles) Carety Operating CSA Nachard CSS Nachard CSC Veled CSC Ve	4 0400 0.1985 3.1413 1.5707 0.2410 0.2146 0.9998 10.4089		\$ 8,797 1 \$ 432 8 \$ 6,840 5 \$ 3,420 3 \$ 525 4 \$ 487 3 \$ 2,177 3 \$ 22,689 8	18,897 S 928 S 14,694 S 7,347 S 1,127 S 1,004 S 4,677 S 48,674 S	19,099 \$ 93.6 \$ 14.651 \$ 7,426 \$ 1,139 \$ 1,015 \$ 4,727 \$ 48,184 \$	19,303 \$ 948 \$ 15,009 \$ 7,505 \$ 1,152 \$ 1,025 \$ 4,777 \$ 48,720 8	19,509 \$ 959 \$ 15,170 \$ 7,585 \$ 1,164 \$ 1,036 \$ 4,826 \$ 56,261 \$	19,718 S 969 S 15,331 S 7,666 S 1,178 S 1,047 S 4,880 S 69,787 8	19,926 \$ 979 \$ 15,495 \$ 7,748 \$ 1,189 \$ 1,059 \$ 4,932 \$ 81,328 \$	20,140 \$ 990 \$ 15,680 \$ 7,830 \$ 1,201 \$ 1,070 \$ 4,984 \$ 51,678 \$	20,354 \$ 1,000 \$ 15,827 \$ 7,914 \$ 1,214 \$ 1,081 \$ 6,037 \$ 82,427 \$	20,571 1,011 15,995 7,998 1,227 1,093 5,091 52,986	1,021 S 16,165 S 8,083 S 1,240 S 1,104 S 5,145 S	21,011 \$ 1,032 \$ 16,337 \$ 6,169 \$ 1,253 \$ 1,116 \$ 5,200 \$ 54,118 \$	21,234 \$ 1,043 \$ 16,510 \$ 8,255 \$ 1,267 \$ 1,128 \$ 5,255 \$ 64,692 \$	21,459 1,054 16,686 8,343 1,280 1,140 5,311 56,273	\$ 9,184 \$ 144,871 \$ 72,438 \$ 11,114 \$ 0,897 \$ 46,109	\$ 11,81 \$ 187,04 \$ 83,63 \$ 14,35 \$ 12,77 \$ 69,63
Tetal Lecal Taxes (capturable)	23 8486		8 51,976 5	111,649 8	112,841 8	114,047 \$	116,264 8	116,484 \$	117,730 8	118,890 \$	120,257 8	121,536	122,829 \$	124,134 \$	125,452 8	126,784	8 1,100,789	8 1,421,22
Ichoel Tazes Ichoel Operating SET Total School Taxes	18 0000 6 0000 24 6660		\$ 39,196 1 \$ 13,065 1 8 62,281 1	84,196 \$ 25,065 \$ 112,281 \$	85,096 S 28,365 S 113,461 8	86,005 \$ 28,668 \$ 114,673 \$	86,923 \$ 28,974 \$ 116,897 \$	87,850 \$ 29,283 \$ 117,134 \$	88,787 \$ 29,596 \$ 118,382 8	89.733 \$ 29.911 \$ 119,644 \$	90,688 S 30,229 S 120,817 8	91 553 30 551 122,204	92,628 \$ 30,876 \$ 123,503 \$	93.612 S 31,204 S 124,816 S	94.606 S 31,535 S 126,141 8	95,610 31,870 127,489	8 276,708	\$ 1,871,77 \$ 357,26 \$ 1,429,63
ton-Cartumble Millages Ironal Dubt in Potal on Authority or Literatus fotal Non-Capturable Millages	3 9000 1 2564 0 0925 0 1025 5 4578		5 8,402 1 5 2877 1 5 217 1 5 435 1 5 11,972 1	18 242 \$ 6 073 1 407 1 934 \$ 28,716 \$	15 437 S 6 135 S 412 S 944 S 25 891 S	18 634 \$ 6 204 \$ 417 \$ 954 \$ 26 266 \$	18.031 S 6,270 S 482 S 084 S 28,549 \$	19034 S 6331 S 487 L 974 S 8,832 B	10,337 S 5404 S 492 S 985 S 37,118 S	19 447 5 6,473 5 494 5 985 5 27,487 8	19 629 \$ 6 542 \$ 503 \$ 1 006 \$ 27.690 \$	10 848 5 51 1 508 1,015 27,684	20,389 E 6,622 S 614 S 1,027 S 28,282 S	20 20 3 S 6,782 S 519 S 1,030 S 28,682 \$	20430 \$ 6.874 \$ 525 \$ 1040 \$ 28,896 \$	20 716 5.89 F 530 1 050 29,203	3 9 205	\$ 232,21 \$ 77,31 \$ 5,94 \$ 11,85 \$ 327,33
ocal Annual Tax Increment Revenius Millie of SET to State Brownflad Redevelopment Fund chool Annual Tax Increment Revenue (after State BF Fund) versial Tax Increment Revenue versial Casaldative but protected Taxas	3,0000		\$ 51,976 \$ \$ 6,533 \$ \$ 45,729 \$ \$ 97,704 \$ \$ 97,704 \$	111.648 \$ 14.033 \$ 98.229 \$ 209.677 \$ 307,581 \$	112,841 \$ 14,183 \$ 99,279 \$ 212,120 \$ 519,701 \$	114,047 \$ 14,334 \$ 100,339 \$ 214,386 \$ 734,087 \$	115,284 \$ 14,487 \$ 101,410 \$ 216,674 \$ 950,761 \$	116,494 \$ 14,642 \$ 102,492 \$ 218,986 \$ 1,169,747 \$	117,736 \$ 14,798 \$ 103,585 \$ 221,329 \$ 1,391,067 \$	118,990 \$ 14,955 \$ 104,668 \$ 223,678 \$ 1,614,745 \$	120,257 \$ 15 115 \$ 105 803 \$ 228,080 \$ 1,540,805 \$	121,536 15,278 108,929 228,465 2,069,270	122,829 \$ 15,438 \$ 108,066 \$ 230,894 \$ 2,309,164 \$	124 134 \$ 15,602 \$ 109,214 \$ 233,348 \$ 2,533,512 \$	125,452 \$ 15,768 \$ 110,374 \$ 235,628 \$ 2,769,338 \$	126,764 15,935 111,545 238,329 3,007,667		
IDEQ Reimbursed Expenses (including 3% interest) stal Local Taxes Cary Combusion County Contribution data (School Taxes Unreimbursed Blighile Expenses		3 2,656,610	\$ 29,316 \$ \$ 22,659 \$ \$ 45,729 \$ \$ 2,658,906 8	62,974 \$ 48,674 \$ 98,229 \$ 2,349,029 \$	63,647 \$ 49,194 \$ 99,279 \$ 2,136,999 8	64,327 \$ 49,720 \$ 100,339 \$ 1,922,523 \$	65,014 \$ 50,251 \$ 101,410 \$ 1,705,848 \$	65,707 \$ 50,787 \$ 102,492 \$ 1,486,883 \$	66,406 \$ 51,325 \$ 103,585 \$ 1,285,843 \$	67,115 \$ 51,675 \$ 104,686 \$ 1,041,885 \$	67,830 \$ 52,427 \$ 105,803 \$ 815,805 \$	68,551 52,965 106,929 887,340	69,280 S 53,549 S 108,066 S 358,448 8	70,016 S 54,116 S 109,214 S 123,088 S	34,621 26,759 61,717		\$ 794,806 \$ 814,326 \$ 1,247,478 \$ 4,085,742	

 Tax Ratio
 Millages
 Percentage

 Local Ter
 23 8689
 49 86%

 City
 512,4500
 28 10%

 County
 10 4059
 21 74%

 School Tax
 24 0000
 50,14%

 Total
 47,8889
 168,00%

Proposed 10-year tax capture firms, as imposed by

### Exhibit C

	field Request for Cost Reimbursement	
Date: _	<u>s</u>	
submitte	pelow are total costs expended for each eligible are with this request. Attached is evidence of each ailed invoices.	
Eligib	le Activity Category	Total Cost
1.	Phase I/Phase II/BEA	
2.	Due Care Activities	
3.	Additional Response Activities	26
4.	Brownfield Plan preparation	
5.	Interest	
	Total Cost Reimbursement Request	
accurate	that the information submitted on and with the and is an eligible cost described in the Brown Council of the City of Birmingham.	-
Develop	per:	
Signatu	ıre:	
Title:	_	*
Address	s:	

## CITY OF BIRMINGHAM BROWNFIELD REDEVELOPMENT AUTHORITY

### **BROWNFIELD PLAN**

### MIXED USE DEVELOPMENT LOCATED AT 856 NORTH OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

July 26, 2016 Revised November 3, 2016

Approved by BRA: 9/27/2016

Approved by City Commission: 10/27/2016

#### Prepared on Behalf of:

FLS Properties #5, LLC

2950 Walnut Lake Road

Contact Person: Mr. Frank Simon

Telephone: (248) 720-0290

#### **Prepared By:**

PM Environmental, Inc.

4080 West Eleven Mile Road Berkley, Michigan 48072

Contact Person: Elizabeth Masserang

Telephone: (248) 414-1441

PM Environmental, Inc.

4080 West Eleven Mile Road Berkley, Michigan 48072

Contact Person: Adam Patton, CHMM

Telephone: (248) 336-9988



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#### **APPENDICES**

Appendix A	Legal Description
Appendix B	"Facility" Status Documentation
Appendix C	Site Maps
Appendix D	Preliminary Site Plans
Appendix E	Tax Increment Financing Tables

#### **PROJECT SUMMARY**

Project Name: Proposed Mixed-use Development

Project Location: The property is located at 856 North Old Woodward Avenue

in Birmingham, Oakland County, Michigan.

Type of Eligible

Property:

**Facility** 

Eligible Activities: Baseline Environmental Assessments, Due Care Activities,

and Preparation of a Brownfield Plan.

Reimbursable Costs: Up to \$2,656,610

Years to Complete Reimbursement:

Approximately 14 years is anticipated, however, the

Birmingham Brownfield Redevelopment Authority (BBRA) has

requested the payback period be limited to 10 years.

Estimated Capital

Investment:

Approximately \$14-16 million

Project Overview: This project includes response activities for the remediation and

redevelopment of a brownfield site, which currently consists of a vacant, underutilized eyesore for the city. The existing site conditions and contamination have deterred several past

attempts to bring the vacant site into successful reuse.

The proposed redevelopment entails the new construction of a mixed-use residential/retail building with underground parking. The proposed redevelopment involves significant investment. Remediation and redevelopment is anticipated to commence in

late 2016/early 2017 and create 20 to 30 permanent jobs.

#### I. INTRODUCTION AND PURPOSE

In order to promote the revitalization of environmentally distressed areas within the boundaries of Birmingham ("the City"), the City has established the Birmingham Brownfield Redevelopment Authority (BBRA) the "Authority" pursuant to the Brownfield Redevelopment Financing Act, Michigan Public Act (PA) 381 of 1996, as amended.

The primary purpose of this Brownfield Plan ("Plan") is to promote the redevelopment of and private investment in certain "Brownfield" properties within the City. Inclusion of property within this Plan will facilitate financing of environmental response and other eligible activities at eligible properties, and will also provide tax incentives to eligible tax payers willing to invest in revitalization of eligible sites, commonly referred to as Brownfields. By facilitating redevelopment of Brownfield properties, this Plan is intended to promote economic growth for the benefit of the residents of the City.

The Property is currently zoned 0-2 Office Commercial and within the Downtown Overlay Boundary, is currently vacant property that is an underutilized eyesore, and is located at the intersection of North Old Woodward Avenue and Oak Avenue. The surrounding area is characterized by commercial and residential properties.

This Plan is intended to apply to the eligible property identified in this Plan and, to identify and authorize the eligible activities to be funded. Any change in the proposed use of the eligible property shall not necessitate an amendment to this Plan, affect the application of this Plan to the eligible property, or impair the rights available to the Authority under this Plan.

This Plan is intended to be a living document which may be modified or amended as necessary to achieve the purposes of PA 381. The applicable sections of PA 381 are noted throughout the Plan for reference purposes.

This Brownfield Plan contains information required by Section 13(1) of PA 381.

#### II. GENERAL DEFINITIONS AS USED IN THIS PLAN

Terms used in this Brownfield Plan are defined as provided in the following statutes, as appropriate:

The Brownfield Redevelopment Financing Act, 1996 Mich. Pub. Acts. 502 which amended Pub. Act 381, M.C.L. § 125.2651 et seq., as amended.

#### III. BROWNFIELD PROJECT

#### DECRIPTION OF THE ELIGIBLE PROPERTY AND THE PROJECT

The Eligible Property consists of one legal parcel totaling 0.57 acres with a street address of 856 North Old Woodward Avenue in Birmingham, Oakland County, Michigan and the tax ID number of 08-19-25-328-001 (the "Property").

This parcel and all tangible personal property located thereon will comprise the eligible property and is referred to herein as the "Property." The legal description is included in Appendix A.

FLS Properties #5 LLC or any affiliate, as approved by the Authority, are collectively the project developer ("Developer").

The property is currently vacant land, located between North Old Woodward Avenue and the Rouge River, south of Oak Avenue. The Property was used as a gas station from 1937 to 1940, a gift shop from 1940 to 1949, and a restaurant from 1949 to 1988, when the former building was demolished. Since that time, the property has been used as a debris and dumping site and is currently a vacant underutilized eyesore. Numerous impediments have deterred developer investment in to subject property due to known contamination and challenging geotechnical conditions.

The proposed redevelopment includes site improvements and new construction of a four story mixed-use commercial and residential property. The new building includes the creation of approximately 27 residential units with an anticipated 3,500 square feet of retail space on the first floor and underground parking. Each residential unit will range in size from 900 to 1,900 square feet. This project will result in the elimination of an eyesore in the City that has been vacant for decades. Redevelopment of this vacant underutilized property, will provide additional residential and commercial space in a key corridor, Old Woodward Avenue, as well as remediate and eliminate the existing conditions. The proposed underground parking creates a significant added cost to the developer while benefiting the surrounding area by increasing density.

Redevelopment activities are proposed for the end of 2016/early 2017. The developer will invest an estimated \$12-14 Million dollars in the redevelopment and create approximately 20-25 construction jobs, and 20-30 permanent jobs.

Appendix C includes site maps of the parcel and an eligible property boundary map. Preliminary site plans are included in Appendix D.

#### **BASIS OF ELIGIBILITY**

The Property is considered "Eligible Property" as defined by Act 381, Section 2 because: (a) the Property was previously utilized as a commercial property; and (b) the parcel comprising the Property has been determined to be a "facility."

A Baseline Environmental Assessment (BEA) was completed in September 2015 and documents the following information. A copy of the BEA text, figures, and tables are also provided in Appendix B.

Subsurface investigations were completed on the subject property between 1996 and 2002, and in 2006 and 2015. Concentrations of benzene, tetrachloroethene, xylenes, arsenic, chromium, selenium, and mercury were detected in soil samples collected from the subject property above the Part 201 Residential and Nonresidential Drinking Water Protection (DWP), Groundwater Surface Water Interface Protection (GSIP), and/or the Residential Direct Contact (DC) cleanup criteria. Concentrations of benzene, methyl-tert-butyl ether (MTBE), vinyl chloride, lead, and silver were detected in groundwater samples collected from the subject property above the Part 201 Residential and Nonresidential Drinking Water (DW) and/or Groundwater Surface Water Interface (GSI) cleanup criteria. Concentrations of m-dichlorobenzene and tetrachloroethylene were detected in soil gas samples collected from the subject property above the Part 201 Residential Vapor Intrusion Screening Levels (VISLs). The concentrations detected are consistent with contaminants from gasoline dispensing stations, dry cleaning operations, and fill material.

A location where a hazardous substance is present in excess of the concentrations, which satisfy the requirements of subsection 20120a(1)(a) or (17), is a facility pursuant to Part 201. Section 20120a(1)(a) requirements are the Cleanup Criteria for unrestricted residential usage. Based upon the documented exceedances of the Part 201 cleanup criteria and MDEQ VISLs, the subject property is a <u>facility</u> under Part 201 of P.A. 451, as amended, and the rules promulgated thereunder.

## A. <u>Description of Costs to Be Paid for With Tax Increment Revenues and Summary of Eligible Activities</u>

Tax Increment Financing revenues will be used to reimburse the costs of "eligible activities" (as defined by Section 2 of PA 381) as permitted under the Brownfield Redevelopment Financing Act that include: Due Care Activities, Additional Response Activities, and preparation of a Brownfield Plan and inclusion of interest as described in this Plan. An itemization of these activity expenses is included in Table 1 of Appendix E.

The project redevelopment activities are slated to commence late 2016/early 2017, with a completion goal of 2018.

The following eligible activities and budgeted costs are intended as part of the development of the property and are to be financed solely by the developer. The Authority is not responsible for any cost of eligible activities and will incur no debt.

- Baseline Environmental Assessments; including a Phase I Environmental Site Assessment (ESA), Phase II ESA, BEA, and Documentation of Due Care Compliance (DDCC) at a cost of \$16,155.
- 2. Due Care Activities; including cost difference for the transportation and disposal of approximately 13,390 tons of soil to a Type II Landfill (in comparison to the disposal of clean soil), the additional delineation of tetrachloroethylene contamination in soil and groundwater and the excavation, transport, and disposal of approximately 6,705 tons (of the total 20,095 tons) of soil as listed hazardous waste, excavation equipment decon, the associated oversight, sampling, and reporting, the management and disposal of up to 30,000 gallons of contaminated groundwater, and costs associated with brownfield and post-due care project management, for an estimated cost of \$2,130,515.

- a. Excavation of up to 6,705 tons of hazardous material totaling \$270,547
  - i. Excavation at a cost differential of \$40.35/ton when compared to a similar excavation occurring at a greenfield site.
- b. Transport of 20,095 tons of contaminated soil totaling \$412,553
  - i. Transport of up to 13,390 tons of soil to a Type II Landfill at \$7/ton totaling \$93,730.
  - ii. Transport of up to 6,705 tons of hazardous material at \$47.55/ton totaling \$318,823.
- c. Disposal of 20,095 tons of contaminated soil totaling \$1,159,735:
  - i. Disposal of up to 13,390 tons of soil to a Type II Landfill at \$11.50/ton totaling \$153,985.
  - ii. Disposal of up to 6,705 tons of hazardous material at \$150/ton totaling \$1.005.750.
- d. Excavation equipment decon and decon waste water handling totaling \$7,500.
- e. Additional delineation sampling of tetrachloroethylene soil concentrations identified along the northern and eastern subject property boundaries and totaling \$21,945:
  - i. Mobilization, onsite labor for oversight, screening, and sample collection at an estimated \$2,550
  - ii. Consultant equipment and supplies at an estimated \$600
  - iii. Data evaluation and project management for reporting at an estimated \$3,500
  - iv. Drilling and operations at an estimated \$5,275
  - v. Lab analysis of 36 samples for VOCs at an estimated \$2,520
  - vi. Project management associated with hazardous material at an estimated \$7,500
- f. Associated excavation oversight, excavation verification sampling, and reporting accounts for the following and totaling \$28,475:
  - i. Mobilization, oversight, and sample collection at an estimated \$12,375.
  - ii. Consultant Equipment and Supplies at an estimated \$1,200.
  - iii. Data Evaluation, project management, and report preparation at an estimated \$4,500.
  - iv. Sampling for VOCs, PNAs, PCBs, Michigan 10 metals at an estimated \$9,800 (28 samples at \$350/sample)
  - v. Up to one sample for TCLP at an estimated \$600.
- g. Management and disposal of up to 30,000 gallons of contaminated groundwater and totaling **\$49,260** 
  - i. On-site storage management at an estimated \$7,500.
  - ii. Disposal at an estimated \$1.40 per gallon, totaling \$41,760.

- h. The installation of chemcially resistant gaskets for sub-grade utilities to minimize degradation and installation of a chemically resistant vapor barrier with passive venting to cover the entire lower floor level to include the sub-grade vertical wall along the adjoining dry cleaner property to prevent vertical migration along preferential vertical pathways (i.e. stairwells, elevators, utilities, etc.) following the proposed soil removal and installation of gaskets resistant to chemical breakdown by the identified contamination, for an estimated cost of \$172,500.
  - Installation of chemically resistant gaskets for sub-grade utilities at an estimated \$10,000
  - ii. Design, bid specification, and coordination at an estimated \$5,000
  - iii. Vapor barrier installation and initial testing at an estimated \$125,000
  - iv. Vapor installation oversight at an estimated \$10,000
  - v. Post installation testing at an estimated \$7,500
  - vi. Project management and reporting at an estimated \$15,000
- i. Costs associated with project management and brownfield financial management, for an estimated cost of \$3,000.
- j. Post-construction due care plan for an estimated cost of \$5,000.

Under Section 7a of Part 201, the current owner has "due care" obligations to prevent unacceptable human exposures, prevent exacerbation, and take reasonable precautions against the reasonably foreseeable acts or omissions of a third party relative to existing contamination and the activities at the subject property. Contaminated soil and groundwater cannot be relocated or moved from one portion of the subject property to another without proper characterization, appropriate notices and/or the use of engineering controls (i.e., liners, surface cover, etc.), in accordance with Section 20c of Part 201, or offsite disposal at a licensed disposal facility in accordance with Parts 111 and/or 115, as applicable.

PM completed a Phase II ESA, which documented that the existing soils are contaminated (identified above Part 201 Residential and Nonresidential Drinking Water Protection (DWP), Groundwater Surface Water Interface Protection (GSIP), and/or the Residential Direct Contact (DC) cleanup criteria).

#### **Excavation of hazardous material**

Typical excavation would not be considered an eligible brownfield activity since the activity is required regardless of the environmental impact at the property. However, a portion of contaminated soils (approximately 6,705 of the identified 20,095 tons) proposed for excavation and located along the northern property boundary are anticipated to require special considerations as a listed hazardous waste. This includes additional costs associated with personal protective equipment (PPE), labor, handling, and equipment (including roll off box rental and liners). Only the cost difference associated is included in the Brownfield Plan.

#### Transport and disposal of contaminated soils

Based on existing soil conditions, topography, and the preliminary grading plan, approximately 20,095 tons of soils require transportation and disposal. Should this development have occurred, the same amount of clean soil removal would have been required. Therefore, this Brownfield

Plan accounts only for the added expense of proper transport and disposal of contaminated soils at a Type II Landfill. In comparison, should the soils anticipated for removal have been clean (as assumed if found on a greenfield site), the cost to the developer would be zero sum (i.e. the coordination of disposal costs negated by the successful reuse at another site). A portion of contaminated soils (approximately 6,705 of the identified 20,095 tons), located along the northern property boundary are anticipated to require disposal as a listed hazardous waste.

#### **Excavation Equipment Decon and Decon Wastewater Handling**

It will be required that all excavation equipment is decontaminated because site soils are contaminated. Costs included within this estimate account for mud mat and truck waste removal from excavation equipment which is necessary to prevent migration of contamination off-site.

#### Additional delineation and sampling of Tetrachloroethylene soils

Additional delineation activities are to be completed to fully define the extent of the hazardous waste concentrations to allow compliant handling and disposal and to avoid over excavation of soils at the increased hazardous waste disposal rate.

#### Associated excavation oversight, verification sampling, and reporting

Assessment, oversight, sampling, and reporting is also included to document and verify site conditions following soil removal activities and provide guidance for the removal of soil identified as listed hazardous waste.

#### Transport and disposal of contaminated groundwater

Development activities require the excavation of/handling of groundwater present within excavated areas of the subject property; therefore, the developer is required to properly to handle and dispose of contaminated media encountered/generated in association with the proposed redevelopment. This is necessary to ensure successful completion of project.

The incremental difference between clean versus dirty pumping and digging cannot be substantiated. Therefore, the requested expenses are only associated with additional costs required for the on-site storage management and disposal of contaminated groundwater.

#### Installation of a vapor barrier and gaskets resistant to chemical breakdown

This brownfield plan includes the installation of a chemically resistant vapor barrier with passive venting prior to occupancy. The installation of a vapor barrier will occur to control migration via potential preferential vertical migration pathways including stairwells and elevator pits covering an estimated 20,000 square feet of floor space and 1,500 square feet of the northwestern wall following the proposed soil removal. This also includes the installation of gaskets resistant to chemical breakdown by the identified contamination. PCE contaminated soils are being removed; however, PCE concentrations will not be completely remediated by the removal activities.

#### **Brownfield project and financial management**

Costs associated with brownfield project and financial management of this project are included. Activities consist of coordination of proper and compliant financial tracking and reporting, as required in relation to due care, additional response, and brownfield related activities being submitted for reimbursement.

#### Post-construction due care plan

Preparation of a post-construction due care plan is also included, which will document and verify site conditions and owner obligations following redevelopment activities.

3. Preparation of Brownfield Plan and 381 Work Plan and associated activities (e.g. meetings with BBRA, etc.) at a cost of approximately \$9,000.

All activities are intended to be "Eligible Activities" under the Brownfield Redevelopment Financing Act. The total estimated cost of Eligible Activities subject to reimbursement from tax increment revenues is approximately \$2,153,670. This plan as includes a 15% contingency of \$319,577 and interest (\$508,364).

Per the request made at the September 27, 2016, BBRA meeting, the total requested amount has been reduced by \$325,000. Therefore, the total no-to-exceed amount under this request is \$2,656,610.

#### B. Estimate of Captured Taxable Value and Tax Increment Revenues

Incremental taxes on real property included in the redevelopment project will be captured under this Brownfield Plan to reimburse eligible activity expenses. Tax increment revenue capture is estimated to begin in 2018. The taxable value of the real property for base year 2016 is \$322,450; no personal property is associated with the site. The estimated taxable value of the completed development is \$5,000,000. This assumes a one-year phase-in for completion of the redevelopment, which has been incorporated into the tax increment financing assumptions for this plan. An annual increase in taxable value of 1% has been used for calculation of future tax increments in this plan.

## C. <u>Estimated Impact of Tax Increment Financing on Revenues of Taxing</u> Jurisdictions

The following estimates assume the limit of a 10-year reimbursement period.

Taxes will continue to be generated to taxing jurisdictions on local captured millages at the base taxable value of \$322,450 throughout the duration of this plan totaling approximately \$76,970 or \$7,697 annually.

Non-capturable millages; including debt millages, the zoo authority and art institute, will see an immediate increase in tax revenue following redevelopment and will provide anticipated new tax revenue of \$253,548 throughout the duration of this plan.

For a complete breakdown of the captured millages and developer reimbursement please see "Table 2" in Appendix E.

#### D. <u>Method of Financing and Description of Advances by the Municipality</u>

Redevelopment activities at the property will be funded by FLS Properties #5 LLC. Costs for eligible activities funded by FLS Properties #5 LLC will be repaid with incremental taxes generated by future development of the property and administered through the BBRA. No advances will be made by the BBRA for this project. All reimbursements authorized under this Brownfield Plan shall be governed by the Reimbursement Agreement.

#### E. Maximum Amount of Note or Bonded Indebtedness

No note or bonded indebtedness will be incurred by any local unit of government for this project.

#### F. Duration of Brownfield Plan

In no event shall the duration of the Plan exceed 35 years following the date of the resolution approving the Plan, nor shall the duration of the tax capture exceed the lesser of the period authorized under subsection (4) and (5) of Section 13 of Act 381 or 30 years. Further, in no event shall the beginning date of the capture of tax increment revenues be later than five years after the date of the resolution approving the Plan.

Under approval granted by the BBRA, a reimbursement period limitation of 10 years has been imposed.

#### G. Effective Date of Inclusion in Brownfield Plan

The Property will become part of this Plan on the date this Plan is approved by the City of Birmingham City Commission.

#### H. Displacement/Relocation of Individuals on Eligible Property

There will be no displacement or relocation of persons or businesses under this Plan.

#### I. Local Site Remediation Revolving Fund ("LSRRF")

The BBRA has not established a Local Site Remediation Revolving Fund (LSRRF), therefore, use of a Local Site Remediation Revolving Fund is not part of the scope of this project.

#### J. Other Material that the Authority or Governing Body Considers Pertinent

The Developer and its affiliates shall comply with all applicable laws, ordinances, executive orders, or other regulations imposed by the City or any other properly constituted governmental authority with respect to the Property and shall use the Property in accordance with this Plan.

## Appendix A



#### **LEGAL DESCRIPTION**

T2N, R10E, SEC 25 ASSESSOR'S PLAT NO 29 LOTS 3 & 4, ALSO PART OF NW 1/4 BEG AT PT DIST S 88-16-00 E 10.15 FT FROM NW COR OF SD LOT 3, TH S 88-16-00 E 124.70 FT, TH N 49-21-00 W 46.41 FT, TH S 73-32-00 W 93.28 FT TO BEG

# Appendix B





**Detroit** 4080 W. 11 Mile Road Berkley, MI 48072

f: 877.884.6775 t: 248.336.9988 Lansing 3340 Ranger Road

Lansing, MI 48906 f: 877.884.6775 t: 517.321.3331 560 5<sup>th</sup> Street NW, Suite 301 Grand Rapids, MI 49504

f: 877.884.6775 t: 616.285.8857

**Grand Rapids** 

September 4, 2015

District Supervisor
Michigan Department of Environmental Quality
Southeastern Michigan District Office
27700 Donald Court
Warren, Michigan 48092

RE: Baseline Environmental Assessment for the Vacant Land located at

856 North Old Woodward Avenue, Birmingham, Michigan

Parcel ID: 08-19-25-328-001

PM Environmental, Inc. Project No. 01-5889-0-001

Dear District Supervisor:

Enclosed is a copy of the Baseline Environmental Assessment prepared for the above referenced subject property in accordance with Section 20126(1)(c) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994 (Part 201), as amended.

If you have any questions regarding the information in this report, please contact us at 248-336-9988.

Sincerely,

PM ENVIRONMENTAL, INC.

Nive Kune

Nicole Kane Staff Scientist Jennifer Ritchie, CPG

Regional Site Investigation Manager

Enclosure



Detroit 4080 W. 11 Mile Road Berkley, MI 48072

f: 877.884.6775 t: 248.336.9988 Lansing 3340 Ranger Road Lansing, MI 48906 f: 877.884.6775

t: 517.321.3331

Grand Rapids 560 5<sup>th</sup> Street NW, Suite 301 Grand Rapids, MI 49504 f: 877.884.6775

f: 877.884.6775 t: 616.285.8857

September 4, 2015

Mr. Frank R. Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, Michigan 48303

RE: Baseline Environmental Assessment for the Vacant Land located at

856 North Old Woodward Avenue, Birmingham, Michigan

Parcel ID: 08-19-25-328-001

PM Environmental, Inc. Project No. 01-5889-0-001

Mr. Simon:

Enclosed is a copy of the above-referenced document prepared in accordance with Section 20126(1)(c) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994 (Part 201), as amended.

THIS BASELINE ENVIRONMENTAL ASSESSMENT WAS PERFORMED FOR THE EXCLUSIVE USE OF <u>FLS PROPERTIES #5, LLC</u>, WHO MAY RELY ON THE REPORT'S CONTENTS.

If you have any questions regarding the information in this report, please contact our office at 248-336-9988.

Sincerely,

PM ENVIRONMENTAL, INC.

Nive Kune

Nicole Kane Staff Scientist

**Enclosure** 

Jennifer Ritchie, CPG Regional Site Investigation Manager

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#### **APPENDICES**

Appendix A: Phase I ESA, April 10, 2015, ASTI Environmental Appendix B: Figures and Tables from Previous Site Investigations

Appendix C: Geophysical Survey Investigation Report

Appendix D: Soil Boring Logs

Appendix E: Laboratory Analytical Report

Appendix F: Assessing Information

Appendix G: Professional Qualification Statements

#### 1.0 INTRODUCTION AND DISCUSSION

PM Environmental, Inc. (PM) completed a Baseline Environmental Assessment (BEA) for the vacant land (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009 (hereafter referred to as the subject property). The subject property consists of one 0.57 acre parcel and is located east of North Old Woodward, west of the Rouge River and Woodward Avenue, and south of Oak Avenue (Figure 1). The subject property consists of vacant land with asphalt paved parking in the northeastern portion, remnants of a building foundation in the northern portion, and grass in the remaining portions (Figure 2). The property has a down-gradient slope from North Old Woodward Avenue east to where it adjoins the Rouge River, which is an elevation difference of approximately 15 feet.

Standard and other historical sources documented that the subject property was developed in at least 1937 with a gasoline dispensing station and one other structure, likely a residential dwelling, in the northern and eastern portions of the subject property. In 1940, the gasoline dispensing station was converted to a gift shop. By 1946, a residential dwelling was reportedly converted into a tea room and restaurant in the western portion of the subject property. The gift shop appears to have been demolished by 1949. The tea room and restaurant operated until 1988, when the commercial building was demolished.

#### 1.1 Owner/Operator Information

FLS Properties #5, LLC, P.O. Box 689, Bloomfield Hills, Michigan 48303 purchased the property July 28, 2015.

#### 1.2 Intended Use of the Subject Property

FLS Properties #5, LLC intends to redevelop the property for mixed commercial and residential use with no significant chemical use and storage greater than household quantities. The proposed building will consist of open underground parking, first floor parking with limited commercial space, and second, third, and fourth floor residential apartments. The intended use is consistent with a residential and nonresidential property use in accordance with Part 201.

Municipal water and sewer, as well as natural gas, and electrical utilities are available to the subject property. No water supply wells exist or will be installed in association with the subject property.

#### 1.3 Summary of All Appropriate Inquiry Phase I Environmental Assessment

ASTI Environmental (ASTI) performed a Phase I Environmental Site Assessment (ESA) for the subject property dated April 10, 2015, in conformance with the scope and limitations of ASTM Practice E 1527-13 (i.e., the 'ASTM Standard'). A copy of the April 2015 Phase I ESA, including photographs of the subject property, is included in Appendix A.

The following onsite recognized environmental conditions (RECs) were identified in ASTI's April 2015, Phase I ESA:

Review of historical records document that the subject property was occupied by a
gasoline dispensing station from at least 1937 to 1940. No records are available
documenting the presence or removal of former underground storage tanks (USTs). No
documentation of site assessment activities were available for review documenting

assessment of the former fueling and UST areas. Based on this information, the potential exists for orphan USTs to be present and/or for releases to have occurred from the UST systems and/or former fueling operations.

- Review of historical records document a permit was issued for the use of a 220-gallon fuel oil tank in May 1947 in association with the former commercial building in the western portion of the subject property. An investigation as to the presence of a buried fuel oil tank has not been conducted. The potential exists that the former commercial building was heated with fuel oil stored within an aboveground storage tank (AST) or UST. The potential exists for an orphan UST to be present on the subject property and/or for a release of fuel oil to have occurred.
- The subject property is an Inventory site and a BEA site as a result of previous site assessment activities completed between 2002 and 2006 that document soil and groundwater contamination onsite above the current Michigan Department of Environmental Quality (MDEQ) Part 201 Residential and Nonresidential cleanup criteria. Based on these analytical results, the subject property meets the definition of a "facility," in accordance with Part 201 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended.
- Fill material was identified on the subject property ranging in depths between 5.0 feet below ground surface (bgs) to 24.0 feet bgs, containing construction-like rubble increasing in quantity toward the northern portion of the subject property. Based on this information, the potential exists for landfilling to have also occurred on the subject property and for contamination to be present from buried materials and/or leachate generated as a result of the percolation of water through waste. Additionally, landfill gas (i.e. methane) could be present due to decomposition of the waste.

The following adjoining and/or nearby RECs were identified:

- The northeast adjoining property, 35975 Woodward Avenue, was occupied by a gasoline dispensing station from at least 1960 to the early 2000s and is an open Leaking Underground Storage Tank (LUST) site. Previous site assessment activities completed in 2005 and 2006 document soil and groundwater contamination remains onsite above the current MDEQ Part 213 RBSLs. Additionally, at least four monitoring wells were installed on the subject property in association with the adjoining open LUST site. The monitoring wells were sampled in 2004 and groundwater contamination above the current MDEQ Part 213 RBSLs was documented to have migrated onto the subject property from the northeast adjoining property.
- The north adjoining property, 900 North Old Woodward Avenue, has been occupied by a
  dry cleaner since at least 1970. Dry cleaning operations commonly involve the usage of
  general hazardous substances and/or petroleum products, which, if improperly managed
  and/or disposed of, can be a source of contamination. The potential exists that a release
  has occurred on this property and migrated onto the subject property.
- The west adjoining property, 887 North Old Woodward Avenue, was occupied by a
  gasoline service station from at least 1930 to the early 1950s. No documentation of site
  assessment activities were available for review documenting assessment of the former
  fueling, UST, and automotive service areas. Based on this information and the close

proximity of the west adjoining property to the subject property, the potential exists that contamination has migrated onto the property.

#### 1.3.1 Phase I ESA Exceptions or Deletions

There were no exceptions or deletions from the Federal All Appropriate Inquiry Rule under 40 CFR 312, or the ASTM Standard during the completion of the ASTI's April 2015 Phase I ESA. No special terms or conditions applied to the preparation of the Phase I ESA.

#### 1.3.2 Phase I ESA Data Gaps

ASTI did not identify any significant data gaps during the completion of the April 2015 Phase I ESA.

#### 1.4 Summary of Previous Site Investigations

PM reviewed the following previous environmental reports for the subject property which are included within ASTI's April 2015 Phase I ESA, which is included within Appendix A. Tables and figures from the previous subsurface investigations are included within Appendix B.

Name of Report	Date of Report	Company that Prepared Report		
Phase I ESA	October 23, 2006	Soils and Materials Engineers, Inc. (SME)		
BEA	November 6, 2006	SME		

**Phase I ESA, October 2006, SME** – SME completed a Phase I ESA dated October 23, 2006. At the time of SME's Phase I ESA, the subject property was vacant land. SME identified RECs in association with the 1) debris and fill material located on the subject property; 2) the fuel oil tank identified in historical records; 3) volatile organic compounds (VOCs) and lead detected in soil and groundwater samples collected from the subject property above the Part 201 Residential and Nonresidential cleanup criteria; and, 4) the north adjoining dry cleaner.

**BEA**, **November 2006**, **SME** – SME completed a BEA dated November 6, 2006. The BEA summarizes subsurface investigation activities completed by SME on September 26, 2006 to assess the RECs identified in the September 2006 Phase I ESA, a Geotechnical Investigation report dated October 20, 2006 completed as part of a proposed future development at the time, and two previous subsurface investigations completed in 2002 and 2005.

On September 26, 2006 SME completed a scope of work that consisted of the advancement of seven soil borings (SP1 through SP7), the installation of four temporary monitoring wells (SP1, SP2, SP4, and SP7), and the collection of six soil samples and three groundwater samples for laboratory analysis of VOCs, polynuclear aromatic compounds (PNAs), and metals (cadmium, chromium, and lead) to assess the RECs identified in the September 2006 Phase I ESA. Concentrations of benzene, tetrachloroethene, and xylenes were detected in the soil sample collected at SP6 (7.0-8.0 feet bgs) above the Part 201 Residential and Nonresidential Drinking Water Protection (DWP) and Groundwater Surface Water Interface Protection (GSIP) cleanup criteria. Concentrations of benzene, lead, and MTBE were detected in the groundwater samples collected at SP2 and SP7 above the Part 201 Residential and Nonresidential Drinking Water (DW) and Groundwater Surface Water Interface (GSI) cleanup criteria. No other concentrations of

VOCs, PNAs, and metals were detected in the soil and groundwater samples collected from the subject property above the laboratory method detection limits (MDLs) and/or the most restrictive Part 201 Residential cleanup criteria.

SME completed a Geotechnical Investigation dated October 20, 2006, in which on September 21 and 22, 2006 SME completed a scope of work consisting of the advancement of six soil borings (B1 through B6) as part of a proposed future development. The soil stratigraphy at the subject property was identified as consisting of sand/clay fill containing concrete, brick, asphalt, and cinder fragment with trace amount of organics to 26.0 feet bgs in the northeastern portion of the subject property, 10.0 feet bgs in the southeastern portion of the subject property, 3.5 feet bgs in the northwestern and southwestern portions of the subject property, and 11.0 feet bgs in the central portion of the subject property. The fill material was identified as being underlain by native interbedded clay and sand to a depth of 74.0 feet bgs, the maximum depth explored. Perched and discontinuous groundwater was encountered at various depths between 9.0 and 29.5 feet bas within the fill material and the native sand seams. SME recommended a partial undercut of the existing fill within the below-grade parking and other pavement areas, installing soldier piles and lagging to protect adjacent structures during construction, not using the existing fill material as engineered fill, completing moisture conditioning for suitable compaction of the native clay, drilling piers to support the proposed building, and using standard sump and pit methods or crushed aggregate to prevent disturbance from groundwater accumulation.

A subsurface investigation was reportedly completed on the subject property in 2002, in which the scope of work consisted of the advancement of six soil borings and the installation of four monitoring wells. Concentrations of benzene, ethylbenzene, methyl-tert-butyl ether (MTBE), naphthalene, and lead were detected in the samples collected from the subject property above the Part 213 Risk-Based Screening Levels (RBSLs) in the northern portion of the subject property; however, these analytical results were not available for review. The concentrations reportedly migrated onto the subject property from the northeast adjoining gasoline dispensing station and open Leaking Underground Storage Tank (LUST) site identified as 35975 Woodward Avenue.

Delta Environmental Consultants, Inc. (Delta) installed five monitoring wells (TW-1, TM3, TW-4, OW-10, and OW-11) on the subject property in 1996 as part of LUST investigation activities for the northeast adjoining open LUST site. Subsequent to installation a series of groundwater monitoring events were completed on the subject property between 1996 and 2006. The most recent documented events available for review occurred in October 2005, February 2006, and April 2006 and were completed by PM. Groundwater samples were collected from TW-1, TW-4, and OW-11 and submitted for laboratory analysis of VOCs and lead, or some combination thereof. TW-3 and OW-10 did not produce groundwater sufficient for groundwater collection. Concentrations of benzene, MTBE, vinyl chloride, and lead were detected in the groundwater samples collected at TW-1 and TW-4 above the Part 213 Residential and Nonresidential DW and/or GSI RBSLs. No concentrations of other VOCs were detected in the groundwater samples collected at TW-1 and TW-4 above the laboratory MDLs or the most restrictive Part 213 Residential RBSLs. No concentrations of VOCs were detected in the groundwater sample collected at OW-11 above the laboratory MDLs. Groundwater flow was calculated to flow southeast towards the Rouge River. PM was unable to locate the permanent monitoring wells during the August 2015 subsurface investigation, discussed below and in Section 1.5.

#### 1.5 Current Site Investigation

Prior to the commencement of field activities, MISSDIG, a utility locating service, was contacted to locate utilities on or adjacent to the subject property. Utilities were marked by the respective utility companies where they entered or were located adjacent to the subject property. In addition, PM cleared all soil boring locations of private utilities with ground penetrating radar (GPR).

#### 1.5.1 Geophysical Survey Investigation

On August 11, 2015 PM completed a geophysical survey utilizing GPR at the subject property (Figure 2) to investigate the presence of potential orphan USTs. The Geophysical Survey Investigation Report is included as Appendix C.

No anomalies consistent with orphan USTs were identified. A suspect fill port pipe was visually identified during PM's GPR survey in the central portion of the subject property and the pipe was traced using a PL 2000 cable locator. PM advanced a shallow hand auger to 5.0 feet bgs in the area where the pipe terminated, and no anomalies where encountered.

Based upon the results of PM's GPR survey, orphan USTs are not believed to be present at the subject property. However, the potential exists that USTs could be present and not identified by the GPR survey if the location was directly below a limitation as indicated within the GPR report, located outside of the survey area, and/or deeper than the 3.5 feet bgs physical limits of the GPR survey. If orphan USTs are identified during redevelopment activities, the UST will be properly removed in accordance with state guidelines.

#### 1.5.2 Subsurface Investigation

On August 13, 2015 PM completed a scope of work consisting of the advancement of six soil borings (SB-1 through SB-6), the installation of two temporary monitoring wells (TMW-1 and TMW-2), the installation of six soil gas sampling points (SG-1 through SG-6), and the collection of seven soil samples, two groundwater samples, and six soil gas samples for laboratory analysis of VOCs, PNAs, polychlorinated biphenyls (PCBs), and Michigan Ten Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), and methane, or some combination thereof, to assess the RECs identified in ASTI's April 2015 Phase I ESA.

Figures 3, 4, and 5 depict the location of the soil borings/temporary monitoring wells/soil gas sampling points installed at the subject property by PM along with a summary of the analytical results.

The soil boring logs, which depicts site-specific geology, PID readings, and soil, groundwater, and soil gas sample intervals are included within Appendix D.

The table below summarizes the Phase II ESA activities conducted by PM, including location, sample depth, analysis, objective, and sample selection justification.

### **Description of Soil Boring/Temporary Monitoring Well/Soil Gas Locations**

Location and Total Depth (feet bgs)	Sample/ Screen Depth [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (Justification)		
SB/TMW/	<b>Soil</b> 5.5-6.5	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former fuel oil tank	<b>Soil:</b> A sample was collected above crushed stone debris and		
SG-1 (20.0)	<b>GW</b> 5.00-10.00 [6.57]	VOCs, PNAs, and Michigan Ten Metals	Tofffier fuer oil tarik	saturated soil. <b>GW:</b> Sampled. <b>Soil Gas:</b> Sampled.		
	Soil Gas 5.5	Methane	Assess a potential vapor intrusion condition	Gon Guo. Gumpied.		
	<b>Soil</b> 6.0-7.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former gasoline	Soil: A sample was collected at the shallow sand/clay interface below concrete debris. GW: Sampled. Soil Gas: Sampled.		
SB/TMW/ SG-2 (20.0)	<b>GW</b> 10.00- 15.00 [12.57]	VOCs, PNAs, and Michigan Ten Metals	dispensing operations			
	Soil Gas 4.5	VOCs	Assess a potential vapor intrusion condition			
SB/SG-3 (20.0)	<b>Soil</b> 19.0-20.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and potential migration of contamination from west adjoining former gasoline service station	<b>Soil:</b> Based on the absence of field evidence of impact, a sample was collected at the end of the boring.		
	Soil Gas 3.5	VOCs and Methane	Assess a potential vapor intrusion condition	<b>GW:</b> Not encountered. <b>Soil Gas:</b> Sampled.		
SB/SG-4 (20.0)	<b>Soil</b> 7.5-8.5 and 13.0-14.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material, former gasoline dispensing operations, and migration of contamination from north adjoining dry cleaner	Soil: Samples were collected at the shallow and deeper sand/clay interfaces below concrete debris.  GW: Not encountered.		
	Soil Gas 7.5	VOCs and Methane	Assess a potential vapor intrusion condition	Soil Gas: Sampled.		
SB/SG-5 (16.0)	<b>Soil</b> 15.0-16.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and migration of contamination from northeast adjoining open LUST site	Soil: A deep sample was collected within stained soil below concrete debris.  GW: Not encountered.		
	Soil Gas 3.5	VOCs and Methane	Assess a potential vapor intrusion condition	Soil Gas: Sampled.		

Location and Total Depth (feet bgs)	Sample/ Screen Depth [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (Justification)		
SB/SG-6 (20.0)	<b>Soil</b> 4.0-5.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and migration of contamination from northeast adjoining open LUST site	Soil: A sample was collected at concrete debris.  GW: Not encountered.		
	IVIELA		Assess a potential vapor intrusion condition	Soil Gas: Sampled.		

bgs – below ground surface; DTW – depth to water; GW – Groundwater

#### 1.5.3 Investigation Techniques and Quality Control/Quality Assurance (QA/QC)

The soil borings were advanced to the desired depth using a model 6712-DT Geoprobe® drill rig. Soil sampling was performed for soil classification, verification of subsurface geologic conditions, and for investigating the potential and/or extent of soil and groundwater contamination at the subject property. Soil samples were generally collected on a continuous basis using a 5-foot long macro-core sampler.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution (i.e., Alkanox®) and rinsing with distilled water after each sample collection. Drilling and sampling equipment was also cleaned in this manner prior to initiating field activities. Soil collected from 1-foot sample intervals was screened using a photoionization detector (PID) to determine if VOCs were present. Soil from specific depths was placed in plastic bags and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag. Soil samples for VOC analysis were preserved with methanol, in accordance with U.S. Environmental Protection Agency (EPA) method 5035.

Temporary monitoring wells were installed at two of the six soil boring locations (TMW-1 and TMW-2) for groundwater sample collection. At each location, a new well assembly, consisting of a 5-foot 0.010-inch slot, schedule 40, poly-vinyl chloride (PVC) screen and PVC casing was lowered into the borehole to intersect the water table. After the screen for the well was set to the desired depth, an artificial sand pack or natural sands were allowed to collapse around the well screen. The groundwater samples were collected with care taken to avoid the potential for cross contamination between the samples and to prevent loss of volatiles to the atmosphere. The groundwater samples for laboratory analyses were transferred directly from the low-flow pump discharge line into appropriately labeled sample containers with Teflon lined lids. Purge water was maintained separate and returned to the wells.

The soil and groundwater samples were placed in appropriately labeled containers with Teflon® lined lids and/or sanitized glass jars and then placed in an ice-packed cooler and transported under chain of custody procedures for laboratory analysis within applicable holding times.

The soil gas sampling was completed in general accordance with the guidelines established in the May 2013 MDEQ Guidance Document for the Vapor Intrusion Pathway.

Sampling of soil gas points consisted of using of a polyethylene implant approximately two inches in length and affixed to appropriate length tubing for sample collection. Upon completion of the bore hole, a sampling interval is established by filling the hole with bentonite to the desired lower depth, as needed, inserting the sample implant and tubing, creating a sand pack of no more than one foot with the sampling implant in the center, and filling the remainder of the bore hole with bentonite.

Prior to the collection of each soil gas sample, the sampling apparatus was determined to be leak free utilizing an isolation chamber that encompassed tubing and associated connections as well as the sampling point. The chamber was charged with helium prior to purging the sampling point of a maximum of three volumes. A helium detector was then applied to the sampling line to ensure no leaks had occurred. The sample was collected using vacuum canister methods, for laboratory analysis of VOCs. The vacuum canisters were regulated with a flow rate of 200 ml/minute, which was pre-set at the laboratory. Soil gas samples were transported under chain of custody procedures for laboratory analysis within applicable holding times.

Upon completion of the investigation, the temporary monitoring well/soil gas sampling point material was removed and the soil borings were abandoned by placing the soil cuttings back into the borehole, filling the void with bentonite chips, hydrating the chips, resurfacing and returning the area to its pre-drilling condition.

#### 1.6 Geology and Hydrogeology

Based on review of PM's August 2015 soil boring logs, the soil stratigraphy at the subject property generally consists of sand and/or clay fill to depth ranging between 8.0 feet bgs and 18.0 feet bgs, underlain by native sand and clay lenses to a depth of at least 20.0 feet bgs, the maximum depth explored. Fill material was encountered at a depth of approximately 8.0 feet bgs at SB-1 and SB-4, 6.5 feet bgs at SB-2, 16.0 feet bgs at SB-5, and 18.0 feet bgs at SB-6. In general, the fill material increases in quantity and depth towards the northeastern portion of the subject property. Discontinuous and perched groundwater was encountered at SB-1 at a depth of approximately 7.0 feet bgs and at SB-2 at a depth of approximately 14.0 feet bgs. No groundwater was encountered in the remaining four soil borings advanced by PM. Additionally, the eastern portion of the subject property is located within a floodway area that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. The base flood elevation is approximately 740 feet per the FEMA Flood Insurance Study (FIS). This geology is consistent with the geology encountered in previous subsurface investigations discussed in Section 1.4 above.

The soil boring logs are included in Appendix D, which consist of site specific geology, sample depths, and temporary monitoring well details.

#### 2.0 LOCATION OF CONTAMINATED MEDIA ON THE SUBJECT PROPERTY

PM compared the soil and groundwater analytical results collected during PM's August 2015 site investigation with the MDEQ cleanup criteria as presented in Part 201 Rules 299.1 through 299.50, dated December 30, 2013 entitled "Cleanup Criteria Requirements for Response Activity", in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. PM compared the soil gas analytical results collected during PM's August 2015 site investigation

with the MDEQ Residential and Nonresidential Vapor Intrusion Screening Levels (VISLs) as presented in the Guidance Document for the Vapor Intrusion Pathway, dated May 2013.

The analytical results from the site investigation activities completed by PM are summarized in Tables 1 through 4 (including CAS#) and on Figures 3 through 5. Appendix E contains the laboratory analytical report.

#### **Summary of Soil/Groundwater/Soil Gas Exceedances**

Location and Total Depth (feet bgs)	Sample/ Screen Depth [DTW] (feet bgs)	Analysis	Objectives	MDEQ Part 201 Generic Cleanup Criteria and/or VISLs Exceedances
SB/TMW/	<b>Soil</b> 5.5-6.5	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former fuel oil tank	Arsenic: DWP, GSIP, (R) DC
SG-1 (20.0)	<b>GW</b> 5.00-10.00 [6.57]	VOCs, PNAs, and Michigan Ten Metals	former ider on tank	Silver: GSI
	Soil Gas 5.5	Methane	Assess a potential vapor intrusion condition	NONE
SB/TMW/	<b>Soil</b> 6.0-7.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and former gasoline dispensing	Arsenic: DWP, GSIP, (R) DC Selenium: GSIP
SG-2 (20.0)	<b>GW</b> 10.00-15.00 [12.57]	VOCs, PNAs, and Michigan Ten Metals	operations	Silver: GSI
	Soil Gas 4.5	VOCs	Assess a potential vapor intrusion condition	NONE
SB/SG-3 (20.0)	<b>Soil:</b> 19.0-20.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and potential migration of contamination from west adjoining former gasoline service station	Arsenic: DWP, GSIP, (R) DC Chromium: GSIP
	Soil Gas 3.5	VOCs and Methane	Assess a potential vapor intrusion condition	NONE
	<b>Soil:</b> 7.5-8.5	VOCs, PNAs, PCBs, and	Assess fill material, former gasoline dispensing operations, and migration	Tetrachloroethene: DWP, GSIP Arsenic: DWP, GSIP, (R) DC Selenium: GSIP
SB/SG-4 (20.0)	<b>Soil:</b> 13.0-14.0	Michigan Ten Metals	of contamination from north adjoining dry cleaner	Tetrachloroethene: DWP Arsenic: DWP, GSIP, (R) DC Chromium: GSIP
	<b>Soil Gas</b> 7.5	VOCs and Methane	Assess a potential vapor intrusion condition	NONE

Location and Total Depth (feet bgs)	Sample/ Screen Depth [DTW] (feet bgs)	Analysis	Objectives	MDEQ Part 201 Generic Cleanup Criteria and/or VISLs Exceedances
SB/SG-5	<b>Soil:</b> 15.0-16.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and migration of contamination from northeast adjoining open LUST site	Arsenic: DWP, GSIP, (R) DC Selenium: GSIP
(16.0)	Soil Gas 3.5	VOCs and Methane	Assess a potential vapor intrusion condition	Tetrachloroethene: (R) VISLs
SB/SG-6	<b>Soil:</b> 4.0-5.0	VOCs, PNAs, PCBs, and Michigan Ten Metals	Assess fill material and migration of contamination from northeast adjoining open LUST site	Arsenic: DWP, GSIP, (R) DC Chromium and Mercury: GSIP
(20.0)	<b>Soil Gas</b> 5.5	Methane	Assess a potential vapor intrusion condition	NONE

bgs – below ground surface; DTW – depth to water; (R) – Residential; DC – Direct Contact; GW – Groundwater; GSI – Groundwater Surface Water Interface; VISLs – Vapor Intrusion Screening Levels; GSIP – Groundwater Surface Water Interface Protection; (NR) - Nonresidential

## 2.1 Soil Analytical Results

The soil analytical results are summarized in Tables 1 and 2 and on Figure 3.

Concentrations of tetrachloroethylene were detected in the soil samples collected at SB-4 (7.5-8.5 feet bgs) and (13.0-14.0 feet bgs) above the Part 201 Residential and Nonresidential DWP and/or GSIP cleanup criteria. Concentrations of other various VOCs were detected in the soil samples collected at SB-4 (7.5-8.5 feet bgs), SB-5 (15.0-16.0 feet bgs), and SB-6 (4.0-5.0 feet bgs) above the laboratory method detection limits (MDLs), but below the most restrictive Part 201 Residential cleanup criteria. No concentrations of VOCs were detected in the remaining soil sample collected from the subject property above laboratory MDLs.

Concentrations of various PNAs were detected in the soil samples collected SB-5 (15.0-16.0 feet bgs) and SB-6 (4.0-5.0 feet bgs) above laboratory MDLs, but below the most restrictive Part 201 Residential cleanup criteria. No concentrations of PNAs were detected in the remaining soil samples collected above laboratory MDLs.

No concentrations of PCBs were detected in any of the selected soil samples collected from the subject property above the laboratory MDLs.

Concentrations of arsenic were detected in all of the soil samples collected from the subject property above the Part 201 Residential and Nonresidential DWP, GSIP and Residential DC cleanup criteria. Concentrations of chromium were detected in the soil samples collected at SB-3 (19.0-20.0 feet bgs), SB-4 (13.0-14.0 feet bgs), and SB-6 (4.0-5.0 feet bgs) above the Part 201 GSIP cleanup criteria. Concentrations of selenium were detected in the soil samples collected at SB-2 (6.0-7.0 feet bgs), SB-4 (7.5-8.5 feet bgs), and SB-5 (15.0-16.0 feet bgs) above the Part 201 GSIP cleanup criteria. A concentration of mercury was detected in the soil sample collected at SB-6 (4.0-5.0 feet bgs) above the Part 201 GSIP cleanup criteria. Concentrations of chromium and selenium were detected in the remaining soil samples collected from the subject property

above the laboratory MDLs, but below the Michigan Statewide Default Background Levels (SDBLs). No concentrations of barium, cadmium, copper, lead, mercury, silver, and zinc were detected in any of the soil samples collected from the subject property above the laboratory MDLs, the Michigan SDBLs, and/or the most restrictive Part 201 Residential cleanup criteria.

## 2.2 Groundwater Analytical Results

The groundwater analytical results are summarized in Table 3 and on Figure 4.

No concentrations of VOCs and PNAs were detected in any of the groundwater samples collected from the subject property above the laboratory MDLs.

Concentrations of silver were detected in both groundwater samples collected from the subject property above the Part 201 GSI cleanup criteria. No concentrations of arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc were detected in the groundwater samples collected from the subject property above the laboratory MDLs and/or the most restrictive Part 201 Residential cleanup criteria.

## 2.3 Soil Gas Analytical Results

The soil gas analytical results are summarized in Table 4 and on Figure 5.

A concentration of tetrachloroethylene was detected in the soil gas sample collected at SG-5 (3.5 feet bgs) above the Part 201 Residential VISLs, and not ten times below the Part 201 Nonresidential VISLs. A concentration of tetrachloroethylene was detected in the soil gas sample collected at SG-4 (7.5 feet bgs) below the Part 201 Residential and Nonresidential VISLs, but not at a concentration ten times below the Part 201 Residential VISLs. No concentrations of tetrachloroethylene were detected in the remaining soil gas samples collected from the subject property. Concentrations of m-dichlorobenzene and trichloroethylene were detected in the soil gas samples collected at SG-3 (3.5 feet bgs) and/or SG-5 (3.5 feet bgs) below the Part 201 Residential and Nonresidential VISLs, but not at concentrations ten times below the Part 201 Residential VISLs. Various concentrations of other VOCs were detected in the remaining soil gas samples collected from the subject property above the laboratory MDLs, but below the Part 201 Residential and Nonresidential VISLs and at concentrations ten times below the Residential VISLs.

No concentrations of methane were detected in the selected soil gas samples collected from the subject property above the laboratory MDLs.

Based on the planned redevelopment of the subject property for residential use, further investigation may be warranted of the soil gas concentrations detected at SG-3, SG-4, and SG-5 that are not below the Residential VISLs and/or ten times below the Residential VISLs. Further investigation would be contingent upon the future site plans and remediation activities.

## 2.4 Subject Property Facility Status

A location where a hazardous substance is present in excess of the concentrations, which satisfy the requirements of subsection 20120a(1)(a) or (17), is a facility pursuant to Part 201. Section 20120a(1)(a) requirements are the Cleanup Criteria for unrestricted residential usage.

Contaminant concentrations identified on the subject property in soil and groundwater indicate exceedances to the Part 201 Residential and Nonresidential DWP, GSI/GSIP and Residential DC cleanup criteria. Additionally, contaminant concentrations were identified in soil gas samples collected from the subject property above the Residential VISLs and/or not ten times below the Residential and/or Nonresidential VISLs. Therefore, the subject property is a <u>facility</u> under Part 201 of P.A. 451, as amended, and the rules promulgated thereunder.

## 3.0 PROPERTY INFORMATION

## 3.1 Legal Description of Subject Property

A copy of the legal description is included in Appendix F as part of the assessing information.

## 3.2 Map of Subject Property

Refer to Figure 1, Property Location Map; and Figure 2, Generalized Diagram of the Subject Property and Surrounding Area with GPR Survey Area which depicts the property/parcel boundaries.

## 3.3 Subject Location and Analytical Summary Maps

Figures 3, 4, and 5 provide scaled maps of the subject property with site structures and soil boring, temporary monitoring well, and soil gas sampling point locations with analytical results.

## 3.4 Subject Property Location Map

Figures 1 and 2 provide scaled area maps depicting the subject property location in relation to the surrounding area.

## 3.5 Subject Property Address

As indicated in Section 1.0, the subject property (Parcel ID: 08-19-25-328-001) is located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009 (Figure 1).

## 3.6 Subject Spatial Data

As depicted on Figure 1, the subject property is located in township two North (T.2N), range 10 East (R.10E), section 25, northwest quarter, southeast quarter-quarter, Birmingham, Oakland County, Michigan.

According to the MDEQ Groundwater Mapping Project Website, the center of the subject property is located at latitude 42.5532 and a longitude of -83.2190.

## 4.0 FACILITY STATUS OF SUBJECT PROPERTY

As indicated in Section 2.1, based upon documented soil and groundwater exceedances to the Part 201 Residential and Nonresidential DWP, GSI/GSIP and Residential DC cleanup criteria. Additionally, contaminant concentrations were identified in soil gas samples collected from the subject property above the Residential VISLs and/or not ten times below the Residential and/or Nonresidential VISLs. Therefore, the subject property is a <u>facility</u> under Part 201 of P.A. 451, as amended, and the rules promulgated thereunder.

## 4.1 Summary Data Tables

The analytical results were compared with the MDEQ cleanup criteria and Screening Levels as presented in Part 201 Rules 299.1 through 299.50, dated August 30, 2014 entitled "Cleanup Criteria Requirements for Response Activity", in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. PM compared the soil gas analytical results collected during PM's August 2015 site investigation with the MDEQ Residential and Nonresidential VISLs as presented in the Guidance Document for the Vapor Intrusion Pathway, dated May 2013.

The soil, groundwater, and soil gas analytical results as compared to current cleanup criteria are summarized in Tables 1 through 4. A summary of Part 201 cleanup criteria exceedances are included in Section 2.0.

## 4.2 Laboratory Reports and Chain of Custody Documentation

Soil, groundwater, and soil gas samples collected were submitted to Brighton Analytical, LLC in Brighton, Michigan for chemical analysis under chain of custody procedures and within applicable holding times. Refer to the laboratory analytical in Appendix E for the associated chain of custody documentation.

## 5.0 IDENTIFICATION OF BEA AUTHOR

This BEA was conducted on September 4, 2015, by Ms. Nicole Kane and reviewed by Ms. Jennifer Ritchie, CPG, Regional Manager of Site Investigation Services, PM Environmental, Inc., which is prior to or within 45 days of becoming the owner or operator. Qualification statements are provided as Appendix G.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

Jennifer L. Ritchie, CPG

Regional Site Investigation Manager

## 6.0 AAI REPORT OR ASTM PHASE I ESA

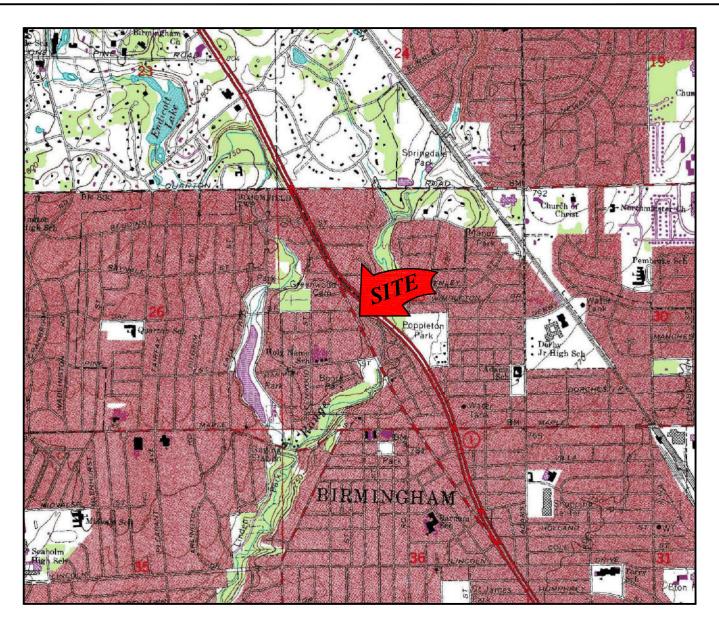
As indicated in Section 1.3, ASTI performed a Phase I ESA of the subject property dated April 10, 2015, in accordance with the United States Environmental Protection Agency (EPA) 40 CFR Part 312: Standards and Practices for All Appropriate Inquiries; Final Rule (AAI) and the scope an limitations of ASTM Practice E 1527-13 of the subject property (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009. The scope of the Phase I ESA included consideration of hazardous substances as defined in Section 20101(1)(y) of P.A 451 of 1994, as amended, and constituted the performance of an All Appropriate Inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

A copy of ASTI's April 10, 2015 Phase I ESA is included in Appendix A.

## 7.0 REFERENCES

- "Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels," Revised August 2014 and in accordance with Section 20120a(1);
- MDEQ Operational Memorandum No. 4 "Site Characterization and Remediation Verification

   Attachment 10, Peer Review Draft Groundwater Not in an Aquifer," February 2007;
- MDEQ Operational Memorandum No. 2 "Sampling and Analysis," October 22, 2004, Revised July 5, 2007;
- MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2014;
- Baseline Environmental Submittal Form (EQP 4025), February 2015;
- Phase I ESA, SME, October 23, 2006;
- BEA, SME, November 6, 2006; and,
- Phase I ESA, April 10, 2015, ASTI.



## **OAKLAND COUNTY**



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## FIGURE 1

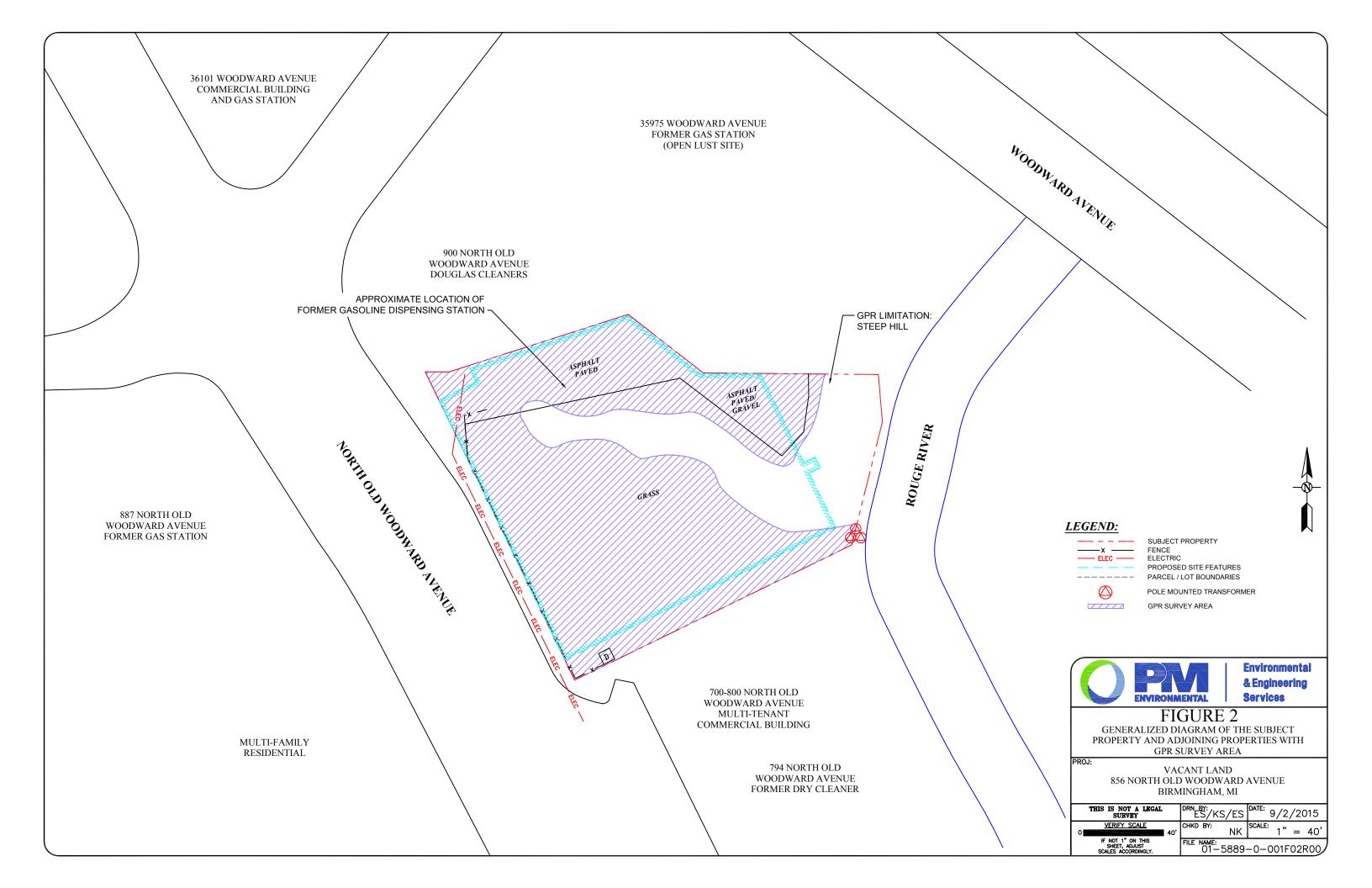
## PROPERTY VICINITY MAP USGS, 7.5 MINUTE SERIES BIRMINGHAM, MI QUADRANGLE, 1968. PHOTO REVISED 1981.

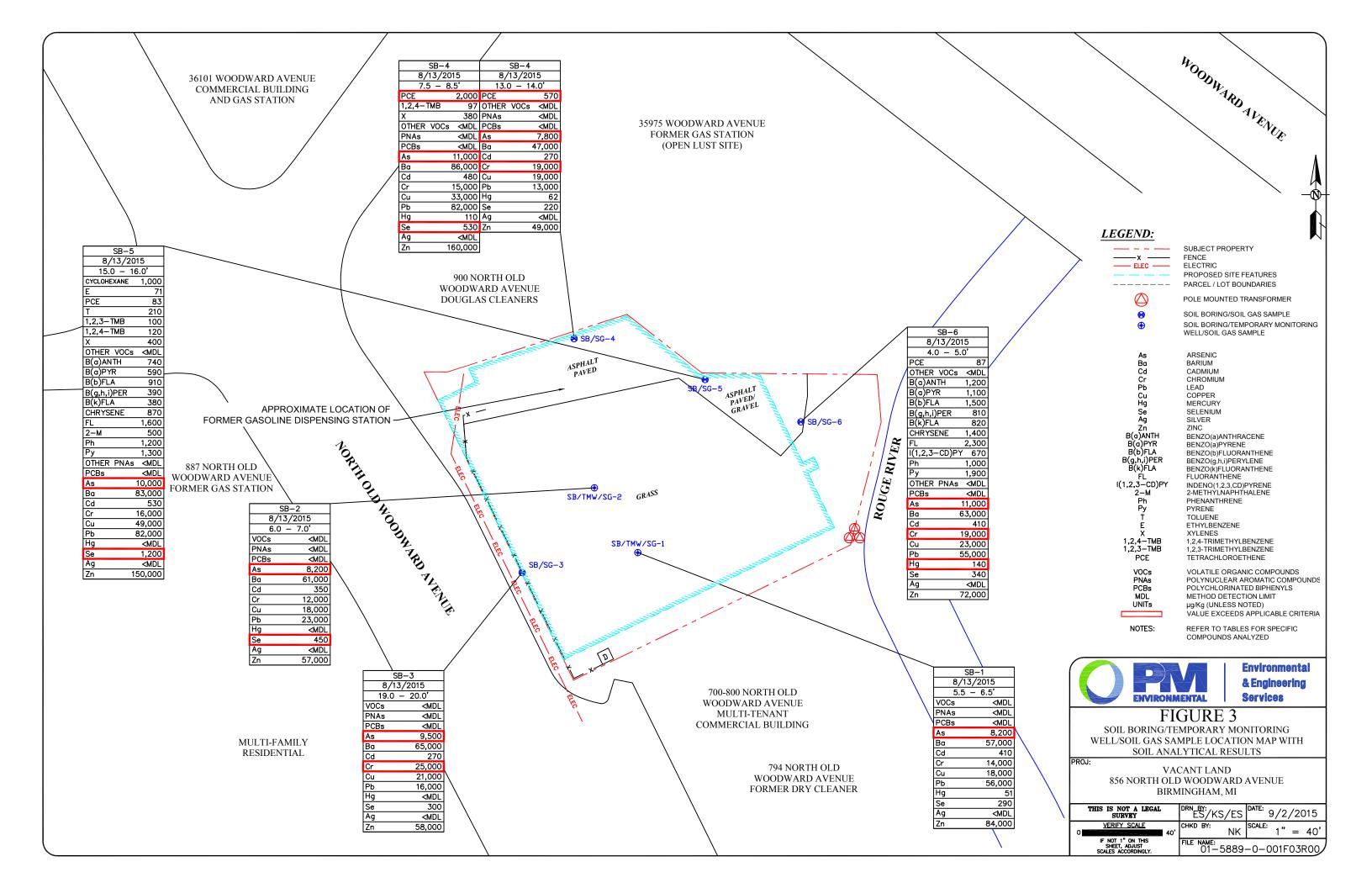


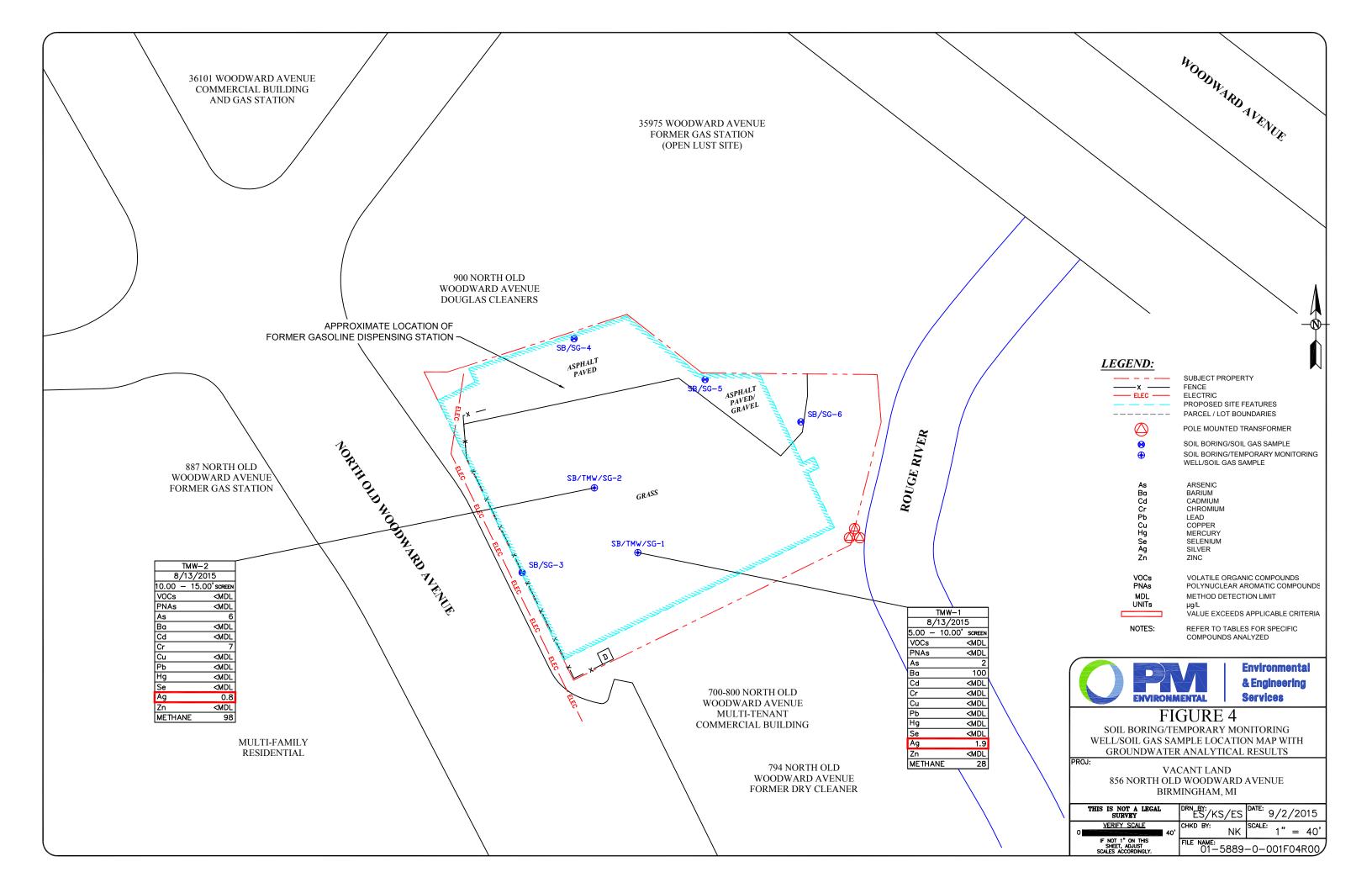
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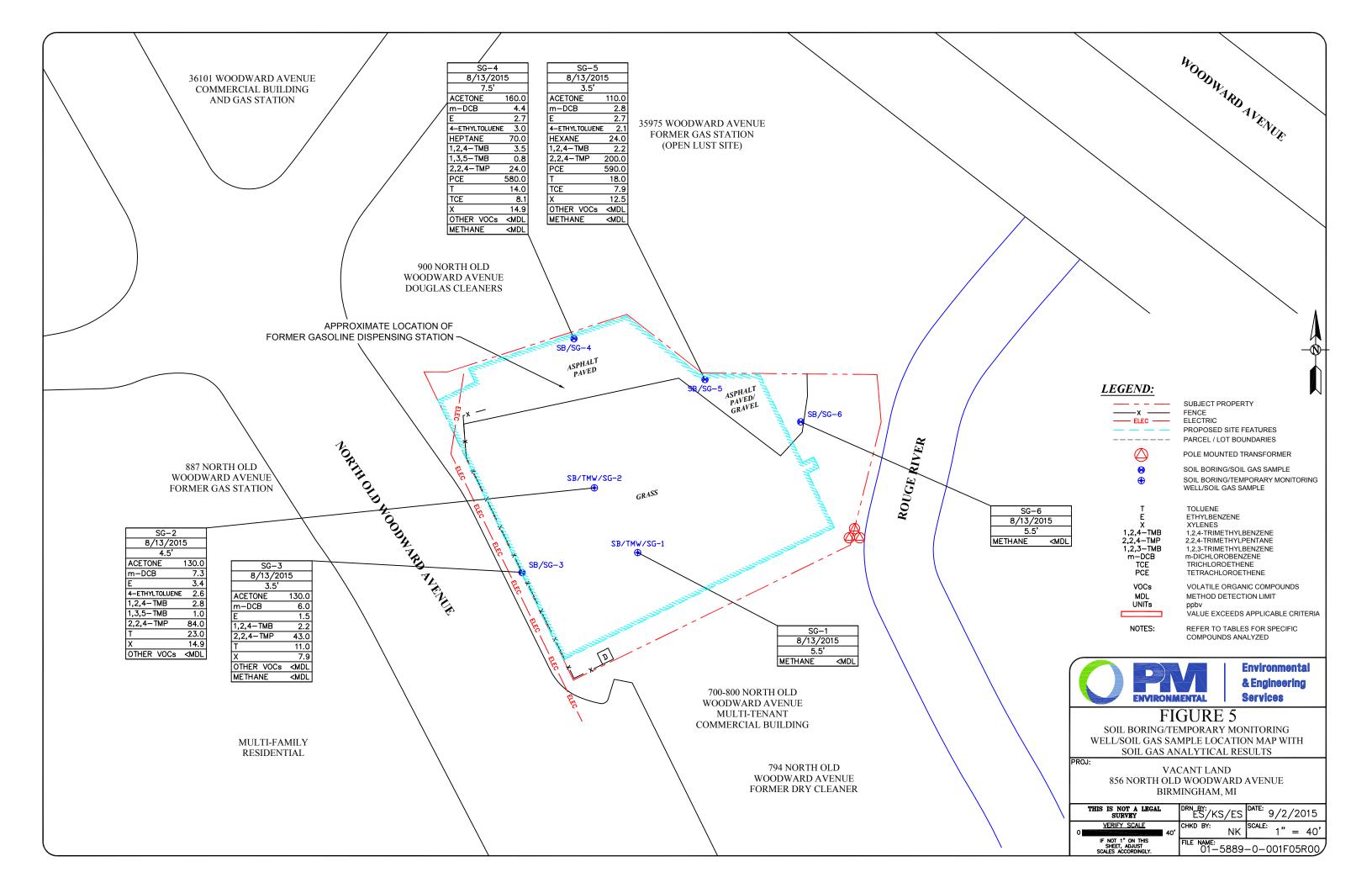
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## TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS

## VOLATILE ORGANIC COMPOUNDS AND POLYNUCLEAR AROMATIC COMPOUNDS 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-001

	VOLATILE ORGANIC COMPOUNI POLYNUCLEAR AROMATIC COMPO (µg/Kg)		Cyclohexane	Ethyl benzene	Tetrachloroethene	Toluene	1,2,3-Trimethylbenzene <sup>1</sup>	1,2,4-Trimethylbenzene	Xylenes	Other VOCs	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Phenanthrene	Pyrene
	Chemical Abstract Service Numb	_ `	110827	100414	127184	108883	526738	95636	1330207	Various	56553	50328	205992	191242	207089	218019	206440	193395	91576	85018	129000
Sar	mple ID Sample Date	Sample Depth (feet bgs)				VC	)Cs									PNAs					
SB-1	8/13/2015	5.5-6.5	<500	<50	<50	<50	<50	<50	<150	ND	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-2	8/13/2015	6.0-7.0	<500	<50	<50	<50	<50	<50	<150	ND	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-3	8/13/2015	19.0-20.0	<500	<50	<50	<50	<50	<50	<150	ND	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-4	8/13/2015	7.5-8.5	<500	<50	2,000	<50	<50	97	380	ND	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-4	8/13/2015	13.0-14.0	<500	<50	570	<50	<50	<50	<150	ND	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-5	8/13/2015	15.0-16.0	1,000	71	83	210	100	120	400	ND	740	590	910	390	380	870	1,600	<330	500	1,200	1,300
SB-6	8/13/2015	4.0-5.0	<500	<50	87	<50	<50	<50	<150	ND	1,200	1,100	1,500	810	820	1,400	2,300	670	<330	1,000	1,900

Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)

Generic Soil Cleanup Criteria Tables 2 and 3: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013

MDEQ Guidance Document For The Vapor Intrusion Pathway, Policy and Procedure Number: 09-017, Appendix D Vapor Intrusion Screening Values, May 2013

	WIDEQ Guida	ance Docume	ent For The V	apor intrusi	on Patnway	, Policy and	Procedure N	umber: 09-0	17, Appena	וא ט vapor in	itrusion Scre	ening value	es, May 2013	1					
						Res	sidential (µg/k	(g)											
Statewide Default Background Levels	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Drinking Water Protection (Res DWP)	NL	1,500	100	16,000	1,800	2,100	5,600	Various	NLL	NLL	NLL	NLL	NLL	NLL	7.30E+05	NLL	57,000	56,000	4.80E+05
Groundwater Surface Water Interface Protection (GSIP)	NL	360	1,200 {X}	5,400	570	570	820	Various	NLL	NLL	NLL	NLL	NLL	NLL	5,500	NLL	4,200	2,100	ID
Soil Volatilization to Indoor Air Inhalation (Res SVII)	NL	87,000	11,000	3.3E+05 {C}	2.6E+06 {C}	4.3E+06 {C}	6.3E+06 {C}	Various	NLV	NLV	ID	NLV	NLV	ID	1.0E+9 {D}	NLV	2.70E+06	2.8E+06	1.0E+9 {D}
Ambient Air Infinite Source Volatile Soil Inhalation (Res VSI)	NL	7.20E+05	1.70E+05	2.80E+06	1.60E+07	2.10E+07	4.60E+07	Various	NLV	NLV	ID	NLV	NLV	ID	7.40E+08	NLV	1.50E+06	1.60E+05	6.5E+08
Ambient Air Finite VSI for 5 Meter Source Thickness	NL	1.00E+06	4.80E+05	5.10E+06	3.80E+08	5.00E+08	6.10E+07	Various	NLV	NLV	ID	NLV	NLV	ID	7.4E+08	NLV	1.50E+06	1.60E+05	6.5E+08
Ambient Air Finite VSI for 2 Meter Source Thickness	NL	2.20E+06	1.1E+06	1.20E+07	3.80E+08	5.00E+08	1.30E+08	Various	NLV	NLV	ID	NLV	NLV	ID	7.4E+08	NLV	1.50E+06	1.60E+05	6.5E+08
Ambient Air Particulate Soil Inhalation (Res PSI)	NL	1.00E+10	2.7E+09	2.70E+10	8.20E+10	8.20E+10	2.90E+11	Various	ID	1.5E+06	ID	8.0E+08	ID	ID	9.3E+09	ID	6.70E+08	6.7E+06	6.7E+09
Direct Contact (Res DC)	NL	2.2E+07 {C}	2.0E+05 {C}	5.0E+07 {C}	3.2E+07 {C}	3.2E+07 (C)	4.1E+08 {C}	Various	20,000	2,000	20,000	2.5E+06	2.00E+05	2.0E+06	4.6E+07	20,000	8.10E+06	1.6E+06	2.9E+07
	_			_		Nonre	esidential (µg	ı/Kg)	-										
Drinking Water Protection (Nonres DWP)	NL	1,500	100	16,000	1,800	2,100	5,600	Various	NLL	NLL	NLL	NLL	NLL	NLL	7.30E+05	NLL	1.70E+05	1.60E+05	4.80E+05
Soil Volatilization to Indoor Air Inhalation (Nonres SVII)	NL	4.6E+05 {C}	21,000	6.1E+05 {C}	4.8E+06 {C}	8.0E+06 {C}	1.2E+07 {C}	Various	NLV	NLV	ID	NLV	NLV	ID	1.0E+9 {D}	NLV	4.90E+06	5.1E+06	1.0E+9 {D}
Ambient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)	NL	2.40E+06	2.10E+05	3.30E+06	1.90E+07	2.50E+07	5.40E+07	Various	NLV	NLV	ID	NLV	NLV	ID	8.9E+08	NLV	1.80E+06	1.90E+05	7.8E+08
Ambient Air Finite VSI for 5 Meter Source Thickness	NL	3.10E+06	4.90E+05	3.60E+07	4.60E+08	6.00E+08	6.50E+07	Various	NLV	NLV	ID	NLV	NLV	ID	8.8E+08	NLV	1.80E+06	1.90E+05	7.8E+08
Ambient Air Finite VSI for 2 Meter Source Thickness	NL	6.50E+06	1.1E+06	3.60E+07	4.60E+08	6.00E+08	1.30E+08	Various	NLV	NLV	ID	NLV	NLV	ID	8.8E+08	NLV	1.80E+06	1.90E+05	7.8E+08
Ambient Air Particulate Soil Inhalation (Nonres PSI)	NL	1.30E+10	1.2E+09	1.20E+10	3.60E+10	3.60E+10	1.30E+11	Various	ID	1.9E+06	ID	3.5E+08	ID	ID	4.1E+09	ID	2.90E+08	2.9E+06	2.9E+09
Direct Contact (Nonres DC)	NL	7.1E+07 {C}	9.3E+05 {C}	1.6E+08 {C}	1.0E+08 {C}	1.0E+08 {C}	1.0E+09 {C}	Various	80,000	8,000	80,000	7.0E+06	8.00E+05	8.0E+06	1.3E+08	80,000	2.60E+07	5.2E+06	8.4E+07
						Screen	ning Levels (µ	ıg/Kg)											
Soil Saturation Concentration Screening Levels (Csat)	NL	1.40E+05	88,000	2.50E+05	94,000	1.10E+05	1.50E+05	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Residential Vapor Intrusion Soil Screening Levels (S <sub>VI-res</sub> )	NL	200	52	10,000	3,200	2,200	290	Various	NL	NL	NL	NL	NL	NL	NL	NL	7,500	5,100	6.47E+07
Nonresidential Vapor Intrusion Soil Screening Levels (S <sub>VI-nr</sub> )	NL	4,000	1,000	1.69E+05	53,000	37,000	4,900	Various	NL	NL	NL	NL	NL	NL	NL	NL	1.26E+05	86,000	1.09E+09

Applicable Criterion/RBSL Exceeded

**BOLD** Value Exceeds Applicable Criterion/RBSL

bgs Below Ground Surface (feet)

1 1,2,3-Trimethylbenzene RBSLs based on the more restrictive of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.

ND Non-detected at levels above laboratory method detection limit (MDL)

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLL/NLV Not Likely to Leach/Not Likely to Volatilizae

#### TABLE 2

## SUMMARY OF SOIL ANALYTICAL RESULTS POLYCHLORINATED BIPHENYLS AND MICHIGAN TEN METALS 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-001

	HLORINATED BIPHENYLS ND MICHIGAN TEN META		PCBs	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc
	(μg/Kg)			∢	Δ.	Ca	- G	O	_	×	® S	0,5	
Chemica	al Abstract Service Number	er (CAS#)	1336363	7440382	7440393	7440439	16065831	7440508	7439921	7439976	7782492	7440224	7440666
Sample ID	Sample Date	Sample Depth (feet bgs)	PCBs			l		Michigan	Ten Metals	•	l	1	
SB-1	8/13/2015	5.5-6.5	ND	8,200	57,000	410	14,000	18,000	56,000	51	290	<100	84,000
SB-2	8/13/2015	6.0-7.0	ND	8,200	61,000	350	12,000	18,000	23,000	<50	450	<100	57,000
SB-3	8/13/2015	19.0-20.0	ND	9,500	65,000	270	25,000	21,000	16,000	<50	300	<100	58,000
SB-4	8/13/2015	7.5-8.5	ND	11,000	86,000	480	15,000	33,000	82,000	110	530	<100	160,000
SB-4	8/13/2015	13.0-14.0	ND	7,800	47,000	270	19,000	19,000	13,000	62	220	<100	49,000
SB-5	8/13/2015	15.0-16.0	ND	10,000	83,000	530	16,000	49,000	82,000	<50	1,200	<100	150,000
SB-6	8/13/2015	4.0-5.0	ND	11,000	63,000	410	19,000	23,000	55,000	140	340	<100	72,000
	MDEQ Guidance Docu	ment For The Vapor Intr	usion Pathwa		d Procedure		017, Append	ix D Vapor In	trusion Scre	ening Values	s, May 2013		
Statewide Default Back	around Levels		NA	5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000
Drinking Water Protecti	-		NLL	4,600	1.30E+06	6,000	30,000	5.80E+06	7.00E+05	1,700	4,000	4,500	2.40E+06
Groundwater Surface V	Vater Interface Protection	(GSIP)	NLL	4,600	1.3E+06 {G}	7,700 {G,X}	3,300	1.8E+05 {G}	8.2E+06 {G,X}	50 (M); 1.2	400	100 (M); 27	3.9E+05 {G}
Soil Volatilization to Inc	loor Air Inhalation (Res S\	/II)	3.0E+06	NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV
Ambient Air Infinite Sou	rce Volatile Soil Inhalatio	n (Res VSI)	2.40E+05	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Ambient Air Finite VSI f	or 5 Meter Source Thickne	ess	7.9E+06	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Ambient Air Finite VSI f	or 2 Meter Source Thickne	ess	7.9E+06	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
	Soil Inhalation (Res PSI)		5.2E+06	7.20E+05	3.30E+08	1.70E+06	2.60E+05	1.30E+08	1.00E+08	2.00E+07	1.30E+08	6.70E+06	ID
Direct Contact (Res DC	·)		{T}	7,600	3.70E+07	5.50E+05	2.50E+06	2.00E+07	4.00E+05	1.60E+05	2.60E+06	2.50E+06	1.70E+08
Drinking Water Bretest	ion (Nonros DWD)		NLL	4,600	1.30E+06	1 <b>g/Kg)</b> 6,000	30,000	5.80E+06	7.00E+05	1,700	4,000	4,500	5.00E+06
	king Water Protection (Nonres DWP)			4,600 NLV	NLV	NLV	NLV	5.60E+06 NLV	NLV	89,000	NLV	4,500 NLV	NLV
	I Volatilization to Indoor Air Inhalation (Nonres SVII) bient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)			NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
	bient Air Finite VSI for 5 Meter Source Thickness			NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
Ambient Air Finite VSI f	bient Air Finite VSI for 2 Meter Source Thickness			NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
Ambient Air Particulate	pient Air Particulate Soil Inhalation (Nonres PSI)			9.10E+05	1.50E+08	2.20E+06	2.40E+05	5.90E+07	4.40E+07	8.80E+06	5.90E+07	2.90E+06	ID
Direct Contact (Nonres	t Contact (Nonres DC)				1.30E+08	2.10E+06	9.20E+06	7.30E+07	9.0E+5 (DD)	5.80E+05	9.60E+06	9.00E+06	6.30E+08
		_		Scree	ening Levels	(μg/Kg)							
		•	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Residential Vapor Intru	turation Concentration Screening Levels (Csat) ntial Vapor Intrusion Soil Screening Levels (S <sub>VI-res</sub> )			NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

Nonresidential Vapor Intrusion Soil Screening Levels (S<sub>VI-nr</sub>)

Applicable Criterion/RBSL Exceeded

BOLD Value Exceeds Applicable Criterion/RBSL

bgs Below Ground Surface (feet)

ND Non-detected at levels above laboratory method detection limit (MDL)

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLL/NLV Not Likely to Leach/Not Likely to Volatilize

{G} Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 418 mg/L CaCO3 Hardness: Station ID 630003, Rouge River, near Troy, MI

NL

39,000

## TABLE 3 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

#### VOLATILE ORGANIC COMPOUNDS, POLYNUCLEAR AROMATIC COMPOUNDS, MICHIGAN TEN METALS, AND METHANE 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN

#### PM PROJECT # 01-5889-0-001

	POLYNUCLEAR AROM MICHIGAN TEN MI	C COMPOUNDS (VOCS) ATIC COMPOUNDS (PN ETALS, AND METHANE (µg/L)	As),	VOCs	PNAs	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	Methane
	Chemical Abstract	Service Number (CAS#)		Various	Various	7440382	7440393	7440439	16065831	7440508	7439921	7439976	7782492	7440224	7440666	74828
Sample ID	Sample Date	Screen Depth (feet bgs)	Depth to Groundwater (feet bgs)	VOCs	PNAs					Michigan <sup>*</sup>	Ten Metals					Methane
TMW-1	8/13/2015	5.00-10.00	6.57	ND	ND	2	100	<0.2	<5	<4	<3	<0.2	<5	1.9	<10	28
TMW-2	8/13/2015	10.00-15.00	12.57	ND	ND	6	<100	<0.2	7	<4	<3	<0.2	<5	0.8	<10	98

#### Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)

Generic Groundwater Cleanup Criteria Table 1: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013 MDEQ Guidance Document For The Vapor Intrusion Pathway, Policy and Procedure Number: 09-017, Appendix D Vapor Intrusion Screening Values, May 2013

		Residen	tial/Nonresi	dential (µg/L)	)								
Residential Drinking Water (Res DW)	Various	Various	10 {A}	2,000 {A}	5.0 {A}	100 {A}	1,000 {E}	4.0 {L}	2.0 {A}	50 (A)	34	2,400	ID
Residential Health Based Drinking Water Values	Various	Various	NL	NL	NL	NL	1,400 {E}	NL	NL	NL	NL	NL	NL
Nonresidential Drinking Water (Nonres DW)	Various	Various	10 {A}	2,000 {A}	5.0 {A}	100 {A}	1,000 {E}	4.0 {L}	2.0 {A}	50 (A)	98	5,000 {E}	ID
Nonresidential Health Based Drinking Water Values	Various	Various	NL	NL	NL	NL	4,000 {E}	NL	NL	NL	NL	NL	NL
Groundwater Surface Water Interface (GSI)	Various	Various	10	2,000 {G}	6.4 {G,X}	11	30 (G)	47 (G,X)	0.0013	5.0	0.2 {M}; 0.06	400 (G)	NA
Residential Groundwater Volatilization to Indoor Air Inhalation (Res GVII) <sup>2</sup>	Various	Various	NLV	NLV	NLV	NLV	NLV	NLV	56 (S)	NLV	NLV	NLV	(K)
Nonresidential Groundwater Volatilizationto Indoor Air Inhalation (Nonres GVII) <sup>2</sup>	Various	Various	NLV	NLV	NLV	NLV	NLV	NLV	56 (S)	NLV	NLV	NLV	(K)
Screening Levels (µg/L)													
Residential Groundwater Vapor Intrusion Screening Levels (GW <sub>VI-res</sub> ) <sup>3</sup>	Various	Various	NL	NL	NL	NL	NL	NL	ID	NL	NL	NL	520
Nonresidential Groundwater Vapor Intrusion Screening Levels (GW <sub>VI-nr</sub> ) <sup>3</sup>	Various	Various	NL	NL	NL	NL	NL	NL	ID	NL	NL	NL	520
Residential Vapor Intrusion Shallow Groundwater Screening Levels (GW <sub>VI-sump-res</sub> ) <sup>4</sup>	Various	Various	NL	NL	NL	NL	NL	NL	ID	NL	NL	NL	520
Nonresidential Vapor Intrusion Shallow Groundwater Screening Levels (GW <sub>VI-sump-nr</sub> ) <sup>4</sup>	Various	Various	NL	NL	NL	NL	NL	NL	ID	NL	NL	NL	520
Water Solubility	Various	Various	NA	NA	NA	NA	NA	NA	56	NA	NA	NA	NA
Flammability and Explosivity Screening Level	Various	Various	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	28,000
	Acute Vapo	r Intrusion S	Screening Le	vels for Gro	undwater (µ	g/L)							
IRASL Groundwater (AGW <sub>vi</sub> )	Various	Various	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
IRASL Groundwater In Contact With Structure (AGW <sub>vi-sump</sub> )	Various	Various	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria

bgs Below Ground Surface (feet)

ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)

Rule 323.1057 of Part 4 Water Quality Standards

<sup>2</sup> Tier 1 GVII Criteria based on 3 meter (or greater) groundwater depth

3 (2013 Vapor Intrusion Guidance) Screening Levels based on depth to groundwater less than 1.5 meters and not in contact with building foundation

<sup>4</sup> (2013 Vapor Intrusion Guidance) Screening levels based on groundwater in contact with the building foundation or within a sump

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLV Not Likely to Volatilize

{G} Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 418 mg/L CaCO3 Hardness: Station ID 630003, Rouge River, near Troy, MI

## TABLE 4 SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS AND METHANE

## 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-001

	VOLATILE ORGANIC COM AND METHA (ppbv)		Acetone	m-Dichlorobenzene	Ethylbenzene	4-Ethyltoluene	Heptane	Hexane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Tetrachloroethylene	Toluene	Trichloroethylene	m.p-Xylene	o-Xylene	Xylenes (total)	Other VOCs	Methane
	Chemical Abstract Ser	rvice Number (CAS#)	67641	541731	100414	622968	142825	110543	95636	108678	540841	127184	108883	79016	1330207	95476	1330207	Various	74828
Sample ID	Sample Date	Sample Depth (feet bgs)								VC	)Cs								Methane
SG-1	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SG-2	8/13/2015	4.5	130.0	7.3	3.4	2.6	<0.80	<0.80	2.8	1.0	84.0	<0.16	23.0	<0.16	11.0	3.9	14.9	ND	NA
SG-3	8/13/2015	3.5	130.0	6.0	1.5	<0.80	<0.80	<0.80	2.2	<0.80	43.0	<0.16	11.0	<0.16	5.7	2.2	7.9	ND	ND
SG-4	8/13/2015	7.5	160.0	4.4	2.7	3.0	70.0	<0.80	3.5	0.8	24.0	580.0	14.0	8.1	11.0	3.9	14.9	ND	ND
SG-5	8/13/2015	3.5	110.0	2.8	2.7	2.1	<0.80	24.0	2.2	<0.80	200.0	590.0	18.0	7.9	9.3	3.2	12.5	ND	ND
SG-6	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	А	NA	NA	ND
		MDEQ Guidance Docum	nent For The	Vapor Intrus	sion Pathwa	-				dix D Vapor	Intrusion Sc	reening Val	ues, May 201	3					
Vapor Intrusion Indoor	r Air Screening Levels (IA <sub>vi</sub> )		2,500	0.49	19	Residential :	850	200	44	44	740	5.0	1,300	0.37	23	23	23	Various	1.25E+04 (g)
	•	ing Levels (≤ 1.5m bgs) (SG <sub>VI-SS</sub> )	82,000	16	640	NDC	28,000	6,600	1,500	1,500	25,000	170	44,000	12	760	760	760	Various	1.25E+04 (g)
	Soil Gas Screening Levels (S		8.20E+05	160	6,400	NDC	2.80E+05	66,000	15,000	15,000	2.50E+05	1,700	4.40E+05	120	7,600	7,600	7,600	Various	1.25E+04 (g)
					1	Nonresidentia	al Screening	Levels (ppl	ov)		·								
Vapor Intrusion Indoor	r Air Screening Levels (IA <sub>VI</sub> )		10,000	2.1	96	NDC	3,600	830	190	190	3,100	25	5,500	1.5	96	96	96	Various	1.25E+04 (g)
Vapor Intrusion Shallo	w Sub-Slab Soil Gas Screen	ing Levels (≤ 1.5m bgs) (SG <sub>VI-SS</sub> )	1.40E+06	280	13,000	NDC	4.70E+05	1.10E+05	25,000	25,000	4.20E+05	3,300	7.40E+05	210	13,000	13,000	13,000	Various	1.25E+04 (g)
Vapor Intrusion Deep S	Soil Gas Screening Levels (S		1.40E+07	2,800	1.30E+05	NDC	4.70E+06	1.10E+06	2.50E+05	2.50E+05	4.20E+06	33,000	7.40E+06	2,100	1.30E+05	1.30E+05	1.30E+05	Various	1.25E+04 (g)
		DRAFT Acute \	/apor Intrus	ion Screenin	g Levels for	Indoor Air a	nd Soil Gas	; Residentia	and Nonre	sidential Lar	nd Use, Febr	uary 2013 (p	pbv)						
IRASL Indoor Air (AIA <sub>vi</sub>			25,000	NDC	NDC	NDC	NDC	NDC	NDC	NDC	NDC	2,800	9,300	74,000	4,800	4,800	4,800	Various	NDC
IRASL Soil Gas (ASG <sub>vi</sub> )	)		8.28E+05	NDC	NDC	NDC	NDC	NDC	NDC	NDC	NDC	93,000	3.10E+05	2.48E+06	1.60E+05	1.60E+05	1.60E+05	Various	NDC

Applicable Criteria/RBSL Exceeded

**BOLD** Value Exceeds Applicable Criteria

bgs Below Ground Surface (feet)

ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)

NA Not Applicable

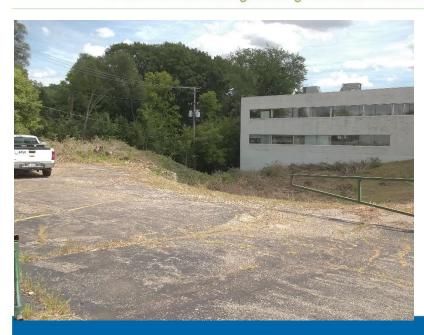
NDC "No Defined Criteria" by the Michigan Department of Environmental Quality (MDEQ)

The IAC and SGC presented in this table are health-based values. The applicable IAC and SGC are based on the higher of the health-based value and the appropriate analytical reporting limit.

IRASL Immediate Response Acute Vapor Intrusion Screening Levels



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## SITE INVESTIGATION REPORT

856 North Old Woodward Avenue | Birmingham, Michigan PM Project Number 01-5889-0-0003

Prepared for:

FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, Michigan 48303

Prepared by:

**PM Environmental, Inc.** 4080 West 11 Mile Road Berkley, Michigan 48072

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June 20, 2016

Mr. Frank R. Simon FLS Properties #5, LLC P.O. Box 689 Bloomfield Hills, Michigan 48303

RE: Summary Report for the Site Investigation Activities at the

Vacant Land located at 856 North Old Woodward Avenue, Birmingham, Michigan

Parcel ID: 08-19-25-328-001

PM Environmental, Inc. Project No. 01-5889-0-001

Dear Mr. Simon:

PM Environmental, Inc. (PM) completed site investigation activities for the vacant land (Parcel ID: 08-19-25-328-001) located at 856 North Old Woodward Avenue, Birmingham, Oakland County, Michigan 48009 (hereafter referred to as the subject property). This report summarizes the activities completed by PM in May 2016 to further define potentially listed hazardous waste soil contamination, and associated conclusions and recommendations.

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF <u>FLS PROPERTIES #5, LLC,</u> WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

## SITE DESCRIPTION AND BACKGROUND

The subject property consists of vacant land with asphalt paved parking in the northeastern portion, remnants of a building foundation in the northern portion, and grass in the remaining portions (Figure 2). The property has a down-gradient slope from North Old Woodward Avenue east to where it adjoins the Rouge River, which is an elevation difference of approximately 15 feet.

Standard and other historical sources documented that the subject property was developed in at least 1937 with a gasoline dispensing station and one other structure, likely a residential dwelling, in the northern and eastern portions of the subject property. In 1940, the gasoline dispensing station was converted to a gift shop. By 1946, a residential dwelling was reportedly converted into a tea room and restaurant in the western portion of the subject property. The gift shop appears to have been demolished by 1949. The tea room and restaurant operated until 1988, when the commercial building was demolished.

## PREVIOUS SITE INVESTIGATION

PM reviewed the following previous environmental reports for the subject property which are included within ASTI's April 2015 Phase I Environmental Site Assessment (ESA).

Name of Report	Date of Report	Company that Prepared Report
Phase I ESA	October 23, 2006	Soils and Materials Engineers, Inc. (SME)

Name of Report	Date of Report	Company that Prepared Report
Baseline Environmental Assessment (BEA)	November 6, 2006	SME
Phase I ESA	April 10, 2015	ASTI Environmental (ASTI)
BEA	September 4, 2015	PM

**Phase I ESA, October 2006, SME**: SME completed a Phase I ESA dated October 23, 2006. At the time of SME's Phase I ESA, the subject property was vacant land. SME identified RECs in association with the 1) debris and fill material located on the subject property; 2) the fuel oil tank identified in historical records; 3) volatile organic compounds (VOCs) and lead detected in soil and groundwater samples collected from the subject property above the Part 201 Residential and Nonresidential cleanup criteria; and, 4) the north adjoining dry cleaner.

**BEA, November 2006, SME**: SME completed a BEA dated November 6, 2006. The BEA summarizes subsurface investigation activities completed by SME on September 26, 2006 to assess the RECs identified in the September 2006 Phase I ESA, a Geotechnical Investigation report dated October 20, 2006 completed as part of a proposed future development at the time, and two previous subsurface investigations completed in 2002 and 2005.

On September 26, 2006 SME completed a scope of work that consisted of the advancement of seven soil borings (SP1 through SP7), the installation of four temporary monitoring wells (SP1, SP2, SP4, and SP7), and the collection of six soil samples and three groundwater samples for laboratory analysis of VOCs, polynuclear aromatic compounds (PNAs), and metals (cadmium, chromium, and lead) to assess the RECs identified in the September 2006 Phase I ESA. Concentrations of benzene, tetrachloroethene (PCE), and xylenes were detected in the soil sample collected at SP6 (7.0-8.0 feet bgs) above the Part 201 Residential and Nonresidential Drinking Water Protection (DWP) and Groundwater Surface Water Interface Protection (GSIP) cleanup criteria. Concentrations of benzene, lead, and methyl-tert-butyl ether (MTBE) were detected in the groundwater samples collected at SP2 and SP7 above the Part 201 Residential and Nonresidential Drinking Water (DW) and Groundwater Surface Water Interface (GSI) cleanup criteria. No other concentrations of VOCs, PNAs, or metals were detected in the soil and groundwater samples collected from the subject property above the laboratory method detection limits (MDLs) and/or the most restrictive Part 201 Residential cleanup criteria.

SME completed a Geotechnical Investigation dated October 20, 2006, in which on September 21 and 22, 2006 SME completed a scope of work consisting of the advancement of six soil borings (B1 through B6) as part of a proposed future development. The soil stratigraphy at the subject property was identified as consisting of sand/clay fill containing concrete, brick, asphalt, and cinder fragment with trace amount of organics to 26.0 feet bgs in the northeastern portion of the subject property, 10.0 feet bgs in the southeastern portion of the subject property, 3.5 feet bgs in the northwestern and southwestern portions of the subject property, and 11.0 feet bgs in the central portion of the subject property. The fill material was identified as being underlain by native interbedded clay and sand to a depth of 74.0 feet bgs, the maximum depth explored. Perched and discontinuous groundwater was encountered at various depths between 9.0 and 29.5 feet bgs within the fill material and the native sand seams. SME recommended a partial undercut of the existing fill within the below-grade parking and other pavement areas, installing soldier piles and lagging to protect adjacent structures during construction, not using the

existing fill material as engineered fill, completing moisture conditioning for suitable compaction of the native clay, drilling piers to support the proposed building, and using standard sump and pit methods or crushed aggregate to prevent disturbance from groundwater accumulation.

A subsurface investigation was reportedly completed on the subject property in 2002, in which the scope of work consisted of the advancement of six soil borings and the installation of four monitoring wells. Concentrations of benzene, ethylbenzene, MTBE, naphthalene, and lead were detected in the samples collected from the subject property above the Part 213 Risk-Based Screening Levels (RBSLs) in the northern portion of the subject property; however, these analytical results were not available for review. The concentrations reportedly migrated onto the subject property from the northeast adjoining gasoline dispensing station and open Leaking Underground Storage Tank (LUST) site identified as 35975 Woodward Avenue.

Delta Environmental Consultants, Inc. (Delta) installed five monitoring wells (TW-1, TM3, TW-4, OW-10, and OW-11) on the subject property in 1996 as part of LUST investigation activities for the northeast adjoining open LUST site. Subsequent to installation a series of groundwater monitoring events were completed on the subject property between 1996 and 2006. The most recent documented events available for review occurred in October 2005, February 2006, and April 2006 and were completed by PM. Groundwater samples were collected from TW-1, TW-4, and OW-11 and submitted for laboratory analysis of VOCs and lead, or some combination thereof. TW-3 and OW-10 did not produce groundwater sufficient for groundwater collection. Concentrations of benzene, MTBE, vinyl chloride, and lead were detected in the groundwater samples collected at TW-1 and TW-4 above the Part 213 Residential and Nonresidential DW and/or GSI RBSLs. No concentrations of other VOCs were detected in the groundwater samples collected at TW-1 and TW-4 above the laboratory MDLs or the most restrictive Part 213 Residential RBSLs. No concentrations of VOCs were detected in the groundwater sample collected at OW-11 above the laboratory MDLs. Groundwater flow was calculated to flow southeast towards the Rouge River. PM was unable to locate the permanent monitoring wells during the August 2015 subsurface investigation, discussed below and in Section 1.5.

**Phase I ESA (2015)**: ASTI identified RECs associated with the 1) former gasoline dispensing operations; 2) potential for orphan USTs associated with the gasoline dispensing operations and former fuel oil use; 3) existing contamination; 4) unknown fill material; and 5) the potential for migration from adjoining gasoline dispensing station and a dry cleaner.

**BEA** (2015): On August 11, 2015 PM completed a geophysical survey utilizing GPR at the subject property (Figure 2) to investigate the presence of potential orphan USTs.

No anomalies consistent with orphan USTs were identified. A suspect fill port pipe was visually identified during PM's GPR survey in the central portion of the subject property and the pipe was traced using a PL 2000 utility locator. PM advanced a shallow hand auger to 5.0 feet bgs in the area where the pipe terminated, and no anomalies where encountered.

On August 13, 2015 PM completed a scope of work consisting of the advancement of six soil borings (SB-1 through SB-6), the installation of two temporary monitoring wells (TMW-1 and TMW-2), the installation of six soil gas sampling points (SG-1 through SG-6), and the collection of seven soil samples, two groundwater samples, and six soil gas samples for laboratory analysis of VOCs, PNAs, polychlorinated biphenyls (PCBs), and Michigan Ten Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), and methane, or some combination thereof, to assess the RECs identified in ASTI's April 2015 Phase I ESA.

Analytical results identified concentrations of PCE in various location on the property that included exceedances of Part 201 Residential and Nonresidential DWP and/or GSIP cleanup criteria. Soil gas analytical results identified concentrations of PCE above MDEQ Residential Vapor Intrusion Screening Levels (VISLs) in SG-4 and SG-5.

Due to the presence of an adjoining dry cleaner, the PCE concentrations are likely from a dry cleaning release, therefore, PCE impacted soils removed from the property during redevelopment would be a "listed" hazardous waste under Michigan Part 111 and the Federal Resource Conservation and Recovery Act (RCRA). In addition to the PCE, concentrations of xylenes and various metals were above Part 201 Residential and Nonresidential DWP, GSIP, and/or Residential DC cleanup criteria in the soil samples collected. Concentrations of silver in groundwater were above Part 201 GSI cleanup criteria.

## **MAY 2016 SITE INVESTIGATION ACTIVITIES**

On May 26, 2016, PM completed a scope of work consisting of the advancement of nine soil borings (SB-7 through SB-15) and installation of two temporary monitoring wells (TMW-11 and TMW-13) to further define the horizontal extent of chlorinated solvent soil and/or groundwater impacts (i.e. PCE and related compounds at the subject property). Fifteen soil and two groundwater samples were collected for analysis of VOCs. Refer to Figures 3 and 4 for the locations of soil borings and temporary monitoring wells completed by PM in 2016.

The purpose of the May 2016 activities was to evaluate and document the extent of chlorinated solvent concentrations in the sampled media.

## **DESCRIPTION OF MAY 2016 SOIL BORING LOCATIONS**

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen Interval and [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB-7 (20.0)	5.0-6.0 and 9.5-10.5	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Intermediate and deeper sand/clay interface samples collected based on the lack of field evidence of contamination.  GW: Not encountered.
SB-8 (16.0)	8.0-9.0 and 15.0-16.0	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	<b>Soil:</b> Sample collected from the interval with the highest PID reading (17.0 ppm) and from the end of the boring. <b>GW:</b> Not encountered.
SB-9 (20.0)	4.0-5.0 and 10.0-11.0	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Samples collected from the interval with observed fill material and from the sand/clay interface.  GW: Not encountered.
SB-10 (20.0)	4.0-5.0 and 10.0-11.0	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Samples collected from intervals with observed fill material and from the sand/clay interface.  GW: Not encountered.

bgs - below ground surface

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen Interval and [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB/TMW-11 (18.0)	2.5-3.5 and 10.0-11.0	13.1-18.1 [16.19]	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Samples collected from the interval with observed fill material and from the sand/clay interface.  GW: Sampled.
SB-12 (20.0)	5.5-6.5 and 10.5-11.5	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Intermediate and deeper sand/clay interface samples collected based on the lack of field evidence of contamination.  GW: Not encountered.
SB/TMW-13 (10.0*)	2.0-3.0*	3.7-8.7 [5.93]	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Sample collected above saturated zone based on the lack of field evidence of contamination.  GW: Sampled.
SB-14 (10.0*)	2.0-3.0*	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Sample collected from interval with observed staining. GW: Not encountered.
SB-15 (10.0*)	2.0-3.0*	NA	VOCs	Delineate the horizontal extent of chlorinated solvent impacts	Soil: Shallow sample collected to evaluate soils for removal.  GW: Not encountered.

GW – Groundwater

NA – Not Applicable

## **Investigation Techniques and QA/QC Procedures**

The soil borings were advanced to the desired depth using a direct push drill rig and/or stainless steel hand auger. Soil sampling was performed for soil classification, verification of subsurface geologic conditions, and for investigating the potential and/or extent of soil and groundwater (if encountered) contamination at the subject property.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water after each sample collection. Drilling and sampling equipment was also cleaned in this manner prior to initiating field activities.

Soils collected from discrete sample intervals were screened using a PID to determine if VOCs were present. Soil from specific depths was placed in plastic bags, sealed, and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag. The PID utilizes a 10.6 electron volts (eV) lamp. Soil samples were collected from the soil borings based upon the highest PID reading, visual/olfactory evidence, a change in geology, surficial soil, and/or directly above saturated soil.

PID – photoionization detector ppm – parts per million

<sup>\*</sup> Depth measured from surface that is approximately 10 feet below street level elevation

Soil samples for VOC analysis were preserved with methanol, in accordance with USEPA method 5035. The soil samples were placed in appropriately labeled containers with Teflon lined lids and/or sanitized glass jars, placed in an ice packed cooler, and transported under chain of custody procedures for laboratory analysis within applicable holding times.

The temporary monitoring wells were installed to collect groundwater samples for chemical analysis. New well assemblies were used for the temporary wells, consisting of a 5-foot long, one-inch diameter, 0.010-inch slot, schedule 40, PVC screen and a 1-inch diameter PVC casing. After the screen for the well was set to the desired depth, natural sands were allowed to collapse around the well screen. The wells were developed using either a new disposable 0.9-inch diameter bailer or peristaltic pump equipped with new, chemically inert, 3/8-inch diameter polyethylene and silicon tubing. Well development was performed by purging until clear, turbid free groundwater was observed coming from the well.

Groundwater samples collected from the temporary monitoring wells were generally collected using low flow sampling methods and protocols using a peristaltic pump equipped with new, chemically inert, 3/8-inch diameter polyethylene and silicon tubing. The samples were collected into preserved vials or bottles or within unpreserved bottles or jars, as applicable for the analyte and/or method.

All samples collected were transported under chain of custody procedures for laboratory analysis within applicable holding times. Upon completion of the investigation, the temporary monitoring wells were removed from the soil borings and the soil borings were abandoned by placing the soil cuttings back into the borehole, filling the void with bentonite chips, hydrating the chips, resurfacing and returning the area to its pre-drilling condition.

## **GEOLOGY/HYDROGEOLOGY**

Based on review of soil boring logs from site investigations completed between 2006 and 2016, the soil stratigraphy at the subject property generally consists of sand and/or clay fill to depth ranging between 8.0 feet bgs and 18.0 feet bgs, underlain by native sand and clay lenses (i.e. interbedded sand and clay) to a depth of at least 74.0 feet bgs, the maximum depth explored. Fill material and debris was encountered at varying thicknesses between the surface to a depth of approximately 18.0 feet bgs. In general, the fill material increases in quantity and depth towards the northeastern portion of the subject property.

Limited, discontinuous, and perched groundwater was at varying depths in four of the 15 soil borings completed by PM in 2015 and 2016 between depths of 15.0 and 25 feet below street level elevation. Additionally, the eastern portion of the subject property is located within a flood plain area that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. The base flood elevation is approximately 740 feet per the FEMA Flood Insurance Study (FIS).

The soil boring logs for soil borings advanced by PM are included in Appendix A, which consist of site specific geology, sample depths, and temporary monitoring well details.

## LOCATION OF CONTAMINATED MEDIA ON THE SUBJECT PROPERTY

The analytical results for the samples collected during site investigation activities conducted between 2006 and 2016 were compared with the MDEQ Generic Cleanup Criteria and Screening Levels as presented in Part 201 Rules 299.1 through 299.50, dated December 30,

2013 entitled "Cleanup Criteria Requirements for Response Activity", in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. Analytical results, when applicable, were compared to VISLs presented in the MDEQ May 2013 Guidance Document for the Vapor Intrusion Pathway.

The analytical results are summarized on Figures 3 and 4 and in Tables 1 through 4. The laboratory analytical reports are included in Appendix B.

## **Soil Analytical Results**

The table below summarizes the analytical results in soil samples from site investigation activities completed between 2006 and 2016 for target analytes that may represent listed hazardous waste. Any detectable concentrations would be representative of a listed hazardous waste as the presumed source is from dry cleaning operations. All soil analytical results are summarized on Figure 3 and in Tables 1 through 3.

#### SUMMARY OF PCE/TCE SOIL ANALYTICAL RESULTS

Part 201 Cleanup Criteria	Target Analyte		Soil Sample Location(s)	
<mdl< th=""><th>PCE/TCE</th><th>SP1 (4.0-5.0) SP5 (3.0-4.0) SB-2 (6.0-7.0) SB-8 (15.0-16.0) SB-12 (10.5-11.5)</th><th>SP2 (4.5-5.5) SP7 (9.0-10.0) SB-3 (19.0-20.0) SB-10 (4.0-5.0) SB-13 (2.0-3.0)</th><th>SP3 (0.0-2.0) SB-1 (5.5-6.5) SB-8 (8.0-9.0) SB-10 (10.0-11.0) SB-15 (2.0-3.0)</th></mdl<>	PCE/TCE	SP1 (4.0-5.0) SP5 (3.0-4.0) SB-2 (6.0-7.0) SB-8 (15.0-16.0) SB-12 (10.5-11.5)	SP2 (4.5-5.5) SP7 (9.0-10.0) SB-3 (19.0-20.0) SB-10 (4.0-5.0) SB-13 (2.0-3.0)	SP3 (0.0-2.0) SB-1 (5.5-6.5) SB-8 (8.0-9.0) SB-10 (10.0-11.0) SB-15 (2.0-3.0)
>MDL and Part 201 Criteria not exceeded	PCE	SB-5 (15.0-16.0)	SB-6 (4.0-5.0)	
DWP (R/NR)	PCE	SP6 (7.0-8.0) SB-7 (5.0-6.0) SB-9 (10.0-11.0) SB-12 (5.5-6.5)	SB-4 (7.5-8.5) SB-7 (9.5-10.5) SB-11 (2.5-3.5) SB-14 (2.0-3.0)	SB-4 (13.0-14.0) SB-9 (4.0-5.0) SB-11 (10.0-11.0)
	TCE		SB-7 (9.5-10.5)	
GSIP	PCE	SP6 (7.0-8.0) SB-12 (5.5-6.5)	SB-4 (7.5-8.5)	SB-7 (9.5-10.5)

MDL – method detection limit

R – Residential DWP – Drinking Water Protection

NR – Nonresidential GSIP – Groundwater Surface Water Interface Protection

PCE - Tetrachloroethylene TCE - Trichloroethylene

In addition to the summarized results above, a concentration of xylenes was identified in SB-11 (10.0-11.0 feet bgs) above Part 201 GSIP cleanup criteria in the soil samples collected in May 2016. Concentrations of various petroleum VOCs were identified in SB-8, SB-10, SB-11, and SB-13 that are below the most restrictive Part 201 cleanup criteria.

## **Groundwater Analytical Results**

Groundwater analytical results for site investigation activities conducted between 2006 and 2016 are presented on Figure 4 and in Table 4. A concentration of benzene was identified in TMW-11 above Part 201 Residential and Nonresidential DW cleanup criteria. Concentrations of PCE and/or cis-1,2-dichloroethylene were identified in each of the two groundwater samples collected, below the most restrictive Part 201 cleanup criteria.

## Soil Gas Analytical Results

Soil gas analytical results identified concentrations of PCE above MDEQ Residential Vapor Intrusion Screening Levels (VISLs) in SG-4 and SG-5. Concentrations of various VOCs were identified in the reaming samples that are below the most restrictive MDEQ VISLs. Refer to Figure 5 and Table 5 for additional information on the soil gas sample locations and results.

## **CONCLUSIONS AND RECOMMENDATIONS**

On May 26, 2016, PM completed a scope of work consisting of the advancement of nine soil borings (SB-7 through SB-15) and installation of two temporary monitoring wells (TMW-11 and TMW-13) to further define the horizontal extent of chlorinated solvent impacts in soil and groundwater at the subject property. Fifteen soil and two groundwater samples were collected for analysis of VOCs. Refer to Figures 3 and 4 for the locations of soil borings and temporary monitoring wells completed by PM in 2016.

Soil analytical results identified additional concentrations of chlorinated solvents exceeding Part 201 cleanup criteria. Limited groundwater analytical results identified concentrations of PCE in the two samples collected in 2016. The extent of soil and groundwater impact has not been fully defined. Due to the nature of the soil impacts (i.e. chlorinated solvents associated with dry cleaning operations, any soil and groundwater impacted with chlorinated solvents that are removed during development would require disposal as a listed hazardous waste. Based on the analytical results, the estimated in place volume of listed hazardous waste requiring removal as part of the development is 2,800 cubic yards that would represents approximately 4,500 tons of soils dependent on soil composition.

Listed hazardous waste requires specialized handling, disposal, and reporting related to soil and/or groundwater removal. Additional costs may also be incurred if the soil is determined to be land disposal restricted (LDR). To ensure potential development related disposal costs are well understood, PM recommends further delineation of chlorinated solvent soil impacts prior to removal. Additionally, removal of impacted soils requiring disposal as hazardous waste is to be completed prior to additional site work to minimize the volume of listed hazardous waste disposal and prevent exacerbation of the identified contamination during development activities.

If you have any questions related to this report, please do not hesitate to contact our office at (800) 313-2966.

Sincerely,

PM Environmental, Inc.

Jamie Antoniewicz, P.E.

Project Engineer

J. Adam Patton, CHMM

Manager of Site Investigation Services

## **FIGURES**

Figure 1: Site Vicinity Diagram

Figure 2: Generalized Diagram of the Subject Property and Adjoining Properties

Figure 3: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Soil

**Analytical Results** 

Figure 4: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Groundwater

Analytical Results

Figure 5: Soil Boring/Temporary Monitoring Well/Soil Gas Location Map with Soil Gas

**Analytical Results** 

## **TABLES**

Table 1: Summary of Soil Analytical Results: VOCs Table 2: Summary of Soil Analytical Results: PNAs

Table 3: Summary of Soil Analytical Results: PCBs and Metals

Table 4: Summary of Groundwater Analytical Results: VOCs, PNAs, Michigan 10 Metals,

and Methane

Table 5: Summary of Soil Gas Analytical Results: VOCs and Methane

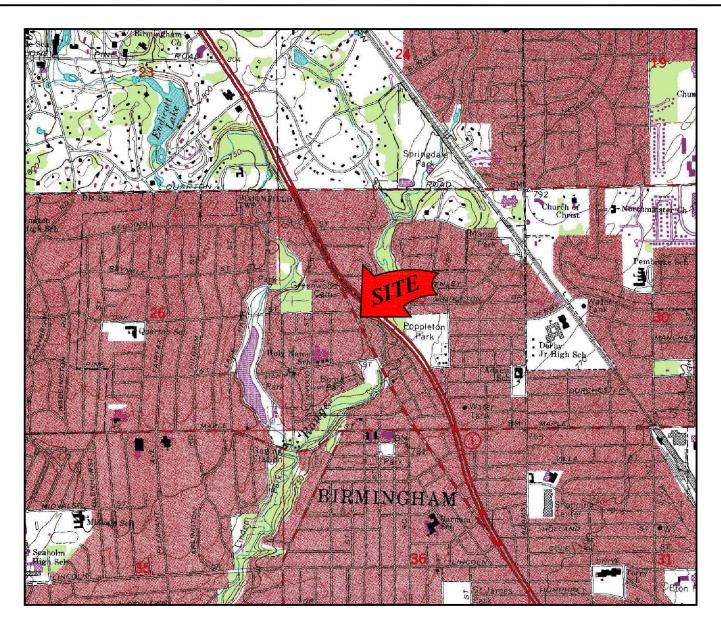
## **APPENDICES**

Appendix A: Soil Boring Logs

Appendix B: Laboratory Analytical Reports

## **Figures**





## **OAKLAND COUNTY**



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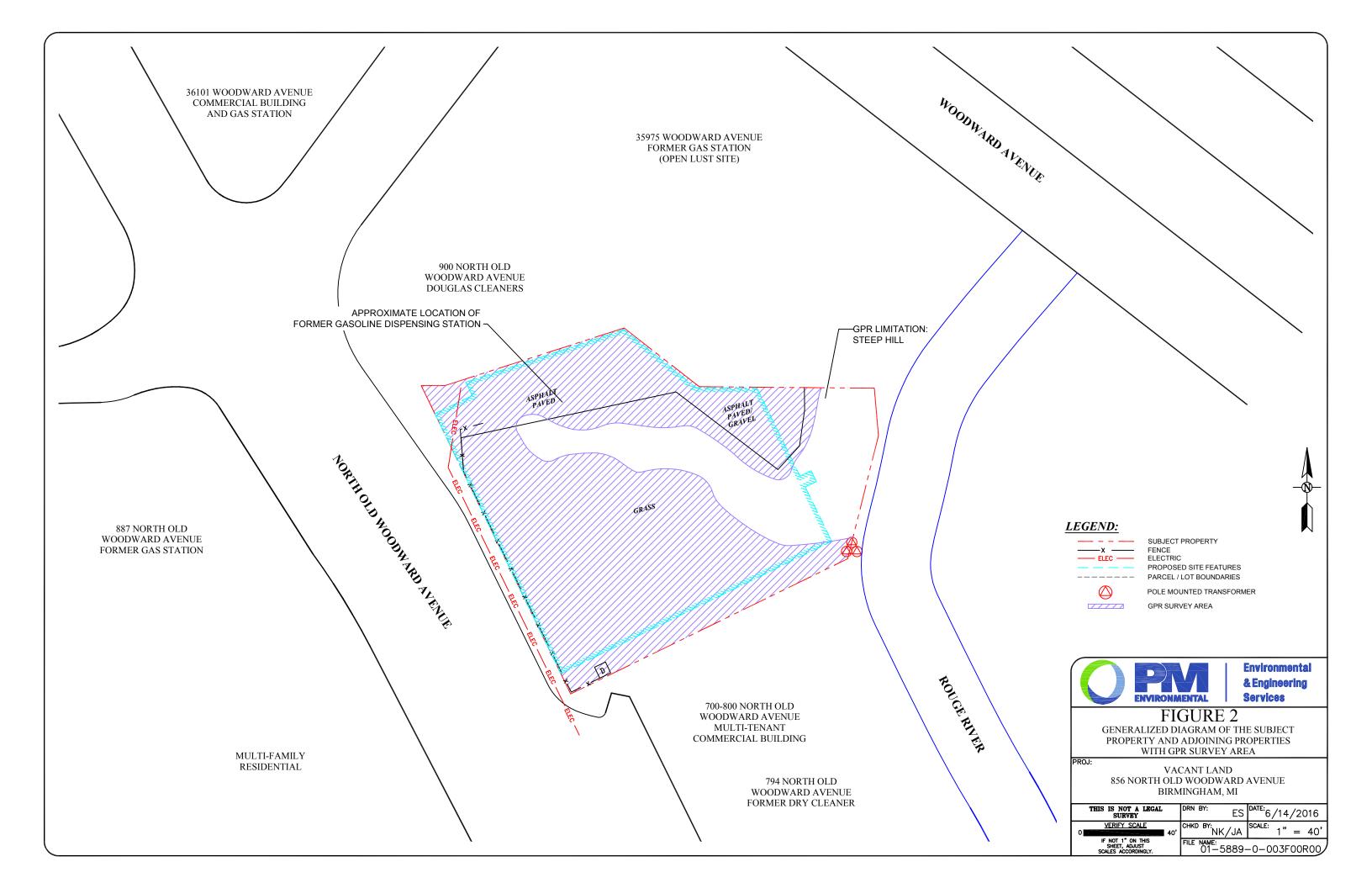
## FIGURE 1

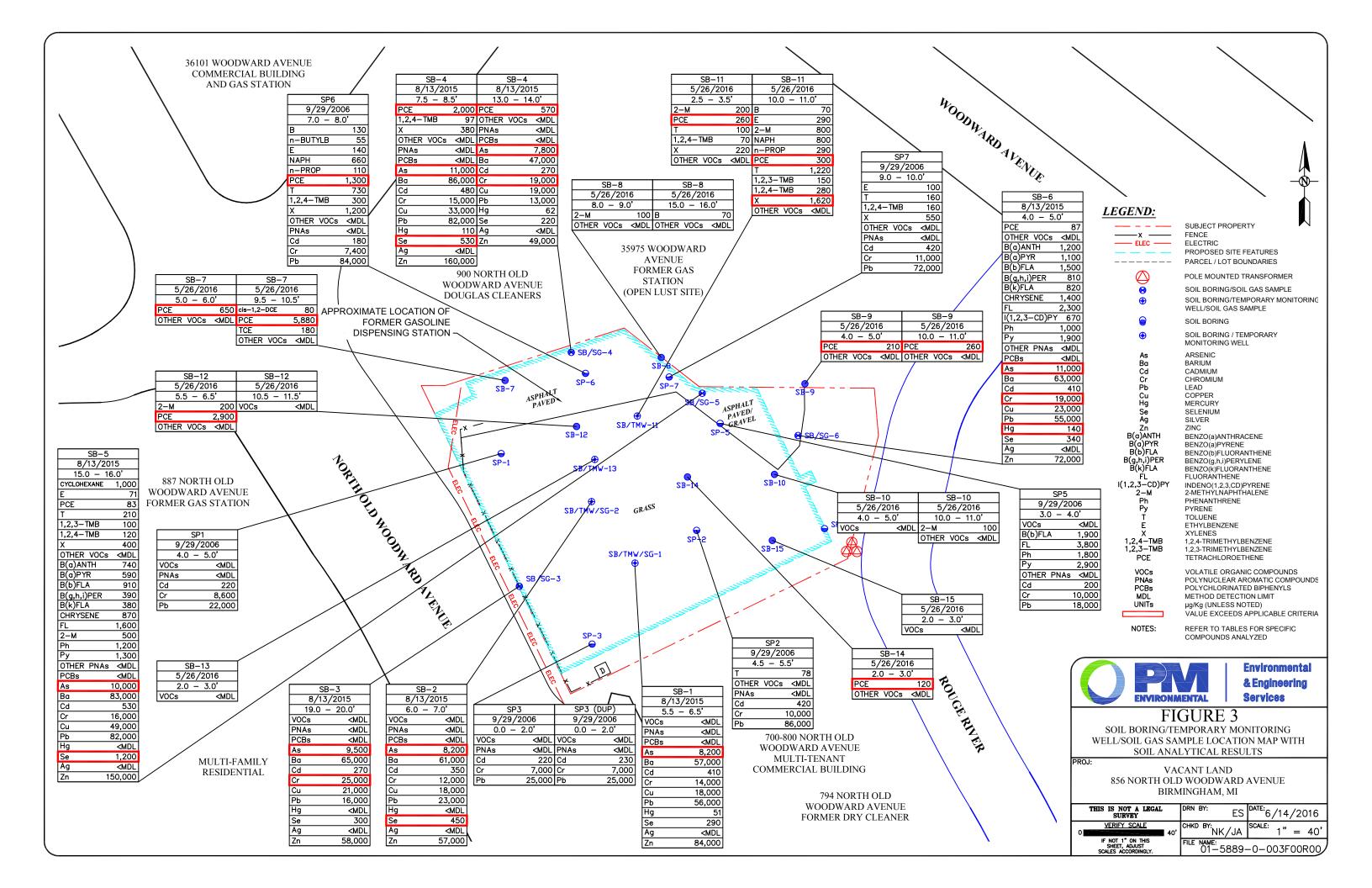
## PROPERTY VICINITY MAP USGS, 7.5 MINUTE SERIES BIRMINGHAM, MI QUADRANGLE, 1968. PHOTO REVISED 1981.

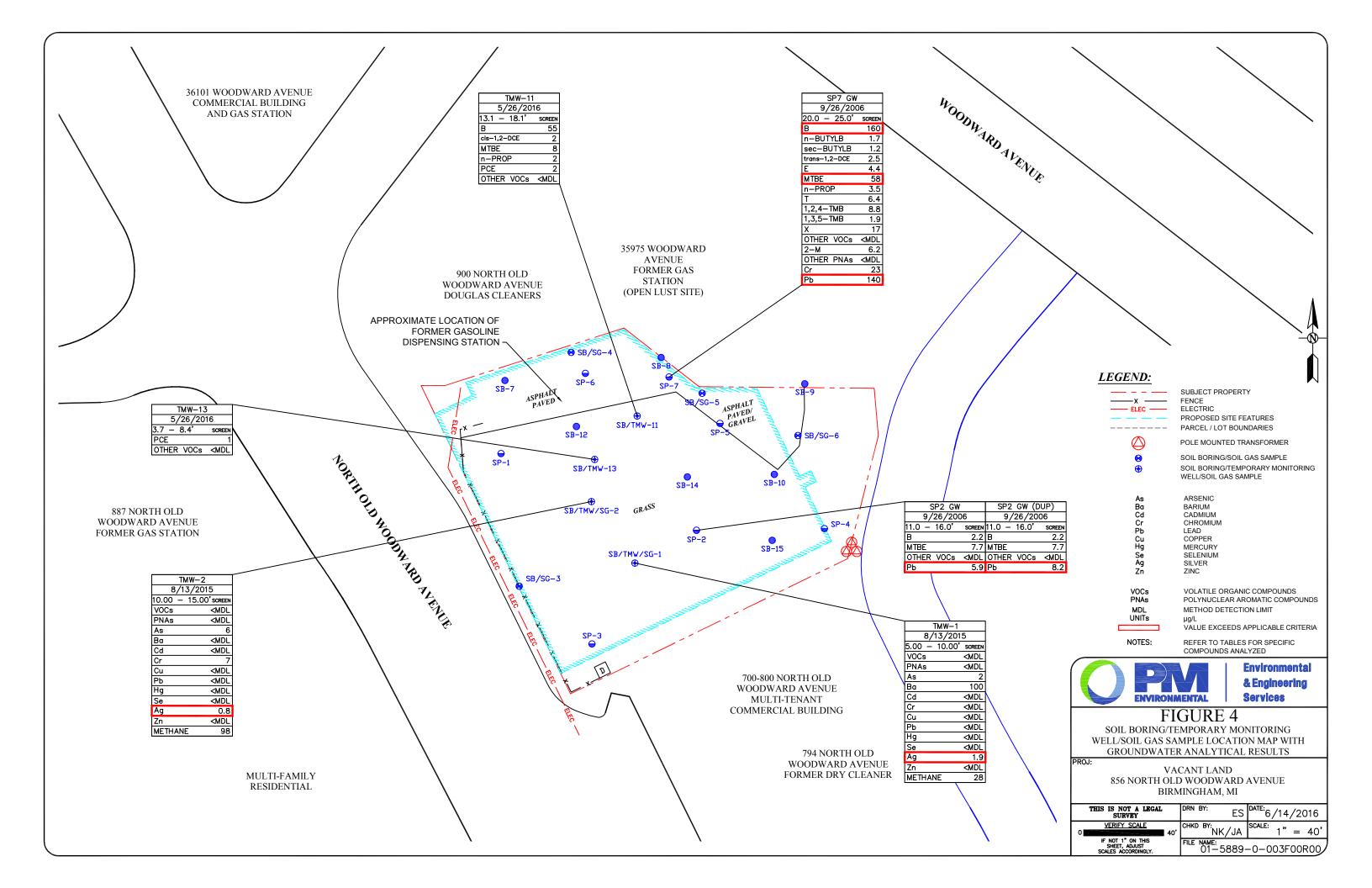


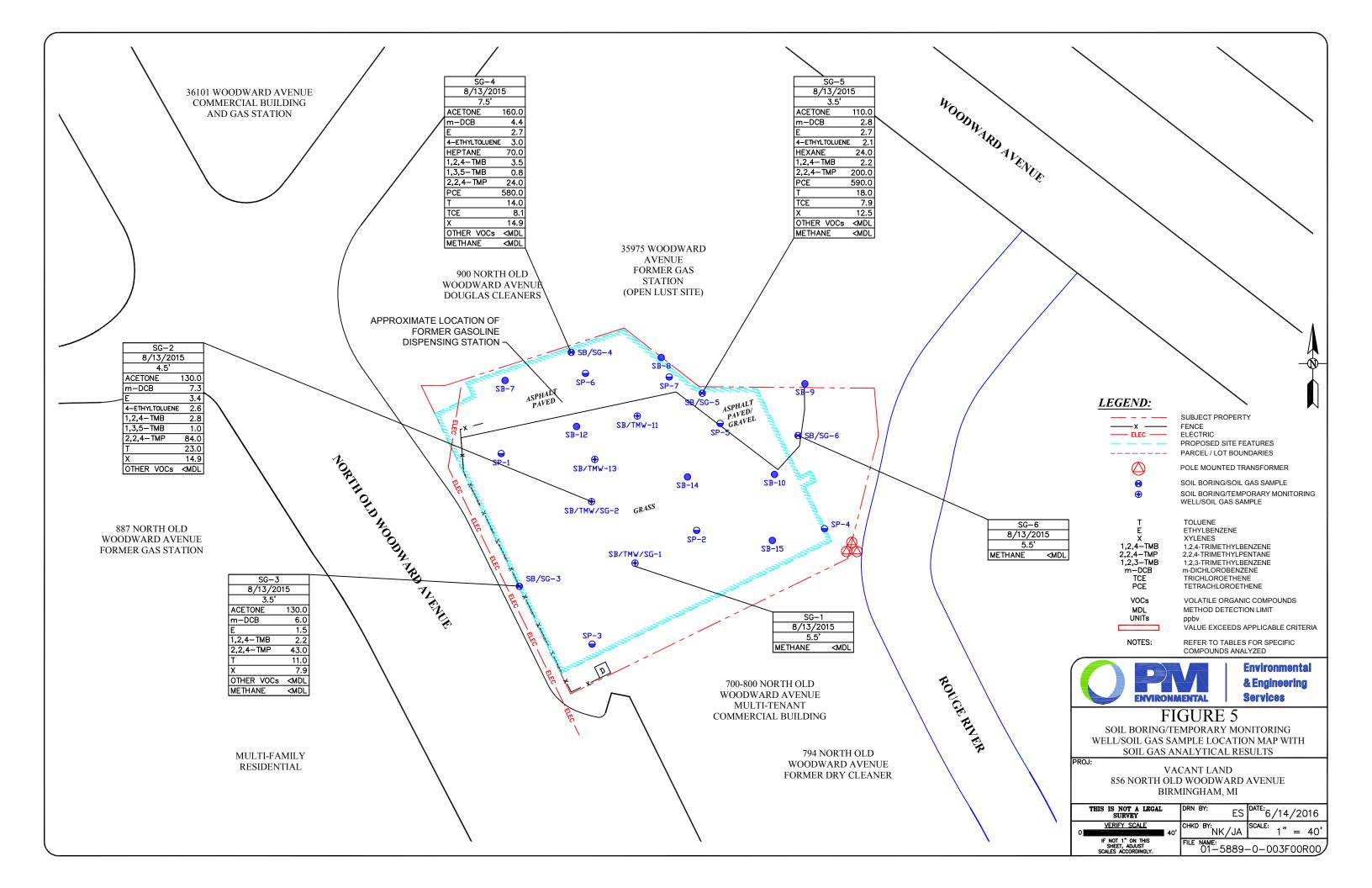
PROJ: VACANT LAND 856 NORTH OLD WOODWARD AVENUE RIRMINGHAM MI

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## **Tables**



# TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS VOCS 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT #01-5889-0-0003

VO. 4	ATH E OPCANIC COMP	OLINDS	Φ	zene	зие	oethene	ene	thalene	эne	zene	thene	43	nene	ızene*	benzene		S
VOLA	ATILE ORGANIC COMP( (μg/Kg)	OUNDS	Benzene	n-Butylbenzene	Cyclohexane	cis-1,2-Dichloroethene	Ethyl benzene	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	1,2,3- Trimethylbenzene*	1,2,4-Trimethylbenzene	Xylenes	Other VOCs
Chemical	I Abstract Service Num	her (CAS#)	71432	104518	110827	156592	100414	91576	91203	103651	127184	108883	79016	526738	95636	1330207	Various
		Sample Depth	7 1432	104516	110021	130392	100414	91370	91203		127 104	100003	7 90 10	320730	93030	1330207	various
Sample ID	Sample Date	(feet bgs)								VOCs							
SP1	9/29/2006	4.0-5.0	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP2	9/29/2006	4.5-5.5*	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>78</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	78	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP3	9/29/2006	0.0-2.0*	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP3 (DUP) SP5	0/00/0000	0010	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP6	9/29/2006 9/29/2006	3.0-4.0 7.0-8.0	<mdl 130</mdl 	<mdl 55</mdl 	<mdl< td=""><td><mdl< td=""><td><mdl 140</mdl </td><td><mdl< td=""><td><mdl 660</mdl </td><td><mdl 110</mdl </td><td><mdl< td=""><td><mdl 730</mdl </td><td><mdl< td=""><td><mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl 140</mdl </td><td><mdl< td=""><td><mdl 660</mdl </td><td><mdl 110</mdl </td><td><mdl< td=""><td><mdl 730</mdl </td><td><mdl< td=""><td><mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl 140</mdl 	<mdl< td=""><td><mdl 660</mdl </td><td><mdl 110</mdl </td><td><mdl< td=""><td><mdl 730</mdl </td><td><mdl< td=""><td><mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl 660</mdl 	<mdl 110</mdl 	<mdl< td=""><td><mdl 730</mdl </td><td><mdl< td=""><td><mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></td></mdl<></td></mdl<>	<mdl 730</mdl 	<mdl< td=""><td><mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<></td></mdl<>	<mdl< td=""><td><mdl 300</mdl </td><td><mdl 1,200</mdl </td><td><mdl <mdl< td=""></mdl<></mdl </td></mdl<>	<mdl 300</mdl 	<mdl 1,200</mdl 	<mdl <mdl< td=""></mdl<></mdl 
SP7	9/29/2006	9.0-1.0	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>100</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	100	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	1,300 <mdl< td=""><td>160</td><td><mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	160	<mdl< td=""><td><mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>160</td><td>550</td><td><mdl< td=""></mdl<></td></mdl<>	160	550	<mdl< td=""></mdl<>
SB-1	8/13/2015	9.0-1.0 5.5-6.5*	<50	<50	<50	<50	<50	<250	<250	<50	<50	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
SB-2	8/13/2015	6.0-7.0*	<50 <50	<50 <50	<50 <50	<50	<50	<250	<250	<50 <50	<50	<50 <50	<50 <50	<50 <50	<50 <50	<150	<mdl< td=""></mdl<>
SB-3	8/13/2015	19.0-20.0	<50	<50	<50	<50	<50	<250	<250	<50	<50	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
SB-4	8/13/2015	7.5-8.5	<50	<50	<50	<50	<50	<250	<250	<50	2,000	<50	<50	<50	97	380	<mdl< td=""></mdl<>
SB-4	8/13/2015	13.0-14.0	<50	<50	<50	<50	<50	<250	<250	<50	570	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
SB-5	8/13/2015	15.0-16.0	<50	<50	1,000	<50	71	<250	<250	<50	83	210	<50	100	120	400	<mdl< td=""></mdl<>
SB-6	8/13/2015	4.0-5.0	<50	<50	<50	<50	<50	<250	<250	<50	87	<50	<50	<50	<50	<150	<mdl< td=""></mdl<>
SB-7	5/26/2016	5.0-6.0	<70	<70	NA	<70	<70	<100	<300	<70	650	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-7	5/26/2016	9.5-10.5	<80	<80	NA	80	<80	<200	<400	<80	5,880	<80	180	<80	<80	<280	<mdl< td=""></mdl<>
SB-8	5/26/2016	8.0-9.0	<70	<70	NA	<70	<70	100	<300	<70	<70	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-8	5/26/2016	15.0-16.0	70	<60	NA	<60	<60	<100	<300	<60	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-9	5/26/2016	4.0-5.0	<70	<70	NA	<70	<70	<100	<300	<70	210	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-9	5/26/2016	10.0-11.0	<70	<70	NA	<70	<70	<100	<300	<70	260	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-10	5/26/2016	4.0-5.0	<60	<60	NA	<60	<60	<100	<300	<60	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-10	5/26/2016	10.0-11.0	<60	<60	NA NA	<60	<60	100	<300	<60	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-11 SB-11	5/26/2016 5/26/2016	2.5-3.5 10.0-11.0	<60 70	<60 <70	NA NA	<60 <70	<60 290	200 800	<300 800	<60 290	260 300	100 1,220	<60 <70	<60 150	70 280	220 <b>1,620</b>	<mdl <mdl< td=""></mdl<></mdl 
SB-12	5/26/2016	5.5-6.5	<70	<70	NA NA	<70	<70	200	<300	<70	2,900	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-12	5/26/2016	10.5-11.5	<70	<70	NA NA	<70	<70	<100	<400	<70	<70	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
SB-13	5/26/2016	2.0-3.0*	<60	<60	NA NA	<60	<60	<100	<300	<60	<60	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-14	5/26/2016	2.0-3.0*	<60	<60	NA	<60	<60	<100	<300	<60	120	<60	<60	<60	<60	<160	<mdl< td=""></mdl<>
SB-15	5/26/2016	2.0-3.0*	<70	<70	NA	<70	<70	<100	<300	<70	<70	<70	<70	<70	<70	<170	<mdl< td=""></mdl<>
				I	Cleanup Cr	iteria Require	ments for Res	ponse Activi	ty (R 299.1 - F	299.50)							
	Generic	Soil Cleanup Criteria Ta	bles 2 and 3:	Residential a	nd Non-Resi	dential Part 20	01 Generic Cle	eanup Criteria	and Screeni	ng Levels/Par	t 213 Risk-Ba	sed Screenin	g Levels, Dece	ember 30, 20°	13		
							Residential	(µg/Kg)			_					•	
Drinking Water Protect		ion (CSID)	100	1,600	NL NI	1,400	1,500	57,000	35,000	1,600	100	16,000	100	1,800	2,100	5,600	Various
Groundwater Surface V Soil Volatilization to Inc			4,000 {X} 1,600	ID ID	NL NL	12,000 22,000	360 87,000	4,200 2.70E+06	730 2.50E+05	ID ID	1,200 {X} 11,000	5,400	4,000 {X} 1,000	570 2.6E+06 {C}	570 4.3E+06 {C}	820 6.3E±06 (C)	Various Various
Ambient Air Infinite So	· · · · · · · · · · · · · · · · · · ·		13,000	ID	NL NL	1.80E+05	7.20E+05	1.50E+06	3.00E+05	ID	1.70E+05	3.3E+05 {C} 2.80E+06	11,000	2.6E+06 {C} 1.60E+07	4.3E+06 (C) 2.10E+07	6.3E+06 {C} 4.60E+07	Various
Ambient Air Finite VSI			34,000	ID	NL NL	4.20E+05	1.00E+06	1.50E+06	3.00E+05	ID	4.80E+05	5.10E+06	25,000	3.80E+08	5.00E+08	6.10E+07	Various
Ambient Air Finite VSI			79,000	ID	NL	9.90E+05	2.20E+06	1.50E+06	3.00E+05	ID	1.1E+06	1.20E+07	57,000	3.80E+08	5.00E+08	1.30E+08	Various
Ambient Air Particulate	,	'SI)	3.80E+08	2.00E+09	NL	2.30E+09	1.00E+10	6.70E+08	2.00E+08	1.30E+09	2.7E+09	2.70E+10	1.30E+08	8.20E+10	8.20E+10	2.90E+11	Various
Direct Contact (Res DC	E)		1.80E+05	2.50E+06	NL	2.5E+06 {C}	2.2E+07 {C}	8.10E+06	1.60E+07	2.50E+06	2.0E+05 {C}	5.0E+07 {C}	5.0E+5 {C,DD}	3.2E+07 {C}	3.2E+07 {C}	4.1E+08 {C}	Various
Dulmking Wi-t- D. 1	ilan (Naurra Brans)						Nonresidenti	0 0,				,		,			
Drinking Water Protect Soil Volatilization to Inc		nres SVII)	100 8,400	4,600 ID	NL NL	1,400 41,000	1,500 4.6E+05 {C}	1.70E+05 4.90E+06	1.00E+05 4.70E+05	4,600 ID	100 21,000	16,000 6.1E+05 {C}	100 1,900	1,800 4.8E+06 {C}	2,100 8.0E+06 {C}	5,600 1.2E+07 {C}	Various Various
Ambient Air Infinite So	•	· · · · · · · · · · · · · · · · · · ·	45,000	ID ID	NL NL	2.10E+05	4.6E+05 {C} 2.40E+06	4.90E+06 1.80E+06	4.70E+05 3.50E+05	ID	21,000 2.10E+05	3.30E+06	1,900	4.8E+06 (C) 1.90E+07	2.50E+07	5.40E+07	Various
Ambient Air Finite VSI		, ,	99,000	ID	NL	4.30E+05	3.10E+06	1.80E+06	3.50E+05	ID	4.90E+05	3.60E+07	25,000	4.60E+08	6.00E+08	6.50E+07	Various
Ambient Air Finite VSI	for 2 Meter Source Thic	ckness	2.30E+05	ID	NL	1.00E+06	6.50E+06	1.80E+06	3.50E+05	ID	1.1E+06	3.60E+07	58,000	4.60E+08	6.00E+08	1.30E+08	Various
Ambient Air Particulate	•	es PSI)	4.70E+08	ID	NL	1.00E+09	1.30E+10	2.90E+08	8.80E+07	5.90E+08	1.2E+09	1.20E+10	5.90E+07	3.60E+10	3.60E+10	1.30E+11	Various
Direct Contact (Nonres	DC)		8.40E+05 (C)	8.00E+06	NL	8.0E+06 {C}	7.1E+07 {C}	2.60E+07	5.20E+07	8.00E+06	9.3E+05 {C}	1.6E+08 {C}	6.6E+05 {C,DD}	1.0E+08 {C}	1.0E+08 {C}	1.0E+09 {C}	Various
Sail Catumatics Co.	tuetien Con!!	ala (Caat)	100=	100=	l		Screening Lev		l	1 400= ==	1 00	0.50=	I = 00= I	04		1	
Soil Saturation Concen	itration Screening Leve	eis (Csat)	4.00E+05	1.00E+07	NL	6.40E+05	1.40E+05	NA	NA	1.00E+07	88,000	2.50E+05	5.00E+05	94,000	1.10E+05	1.50E+05	Various

Applicable Criterion/RBSL Exceeded

Value Exceeds Applicable Criterion/RBSL

bgs Below Ground Surface (feet)

1 1,2,3-Trimethylbenzene RBSLs based on the more restrictive of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.

MDL Laboratory method detection limit

NA Not Applicable

NL Not Listed

NLL Not Likely to Leach

NILV Not Likely to Volatilize

NLV Not Likely to Volatilize
ID Insufficient Data
\* Measured from a point approximately 10 feet below street elevation

## TABLE 2 SUMMARY OF SOIL ANALYTICAL RESULTS

## PNAs 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-0003

POLYNUCL	EAR AROMATIC COMPOI (μg/Kg)	UNDS (PNAs)	Benzo(a)anthracene	Benzo(a)pyrene	Berzo(b)fluoranthene	Benzo(g.h.i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Phenanthrene	Pyrene
Chemica	I Abstract Service Numb	er (CAS#)	56553	50328	205992	191242	207089	218019	206440	193395	91576	85018	129000
Sample ID	Sample Date	Sample Depth (feet bgs)						PNAs					
SP1	9/29/2006	4.0-5.0	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP2	9/29/2006	4.5-5.5*	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP3	9/29/2006	0.0-2.0*	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP3 (DUP)	9/29/2000	0.0-2.0	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP5	9/29/2006	3.0-4.0	<mdl< td=""><td><mdl< td=""><td>1,900</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>3,800</td><td><mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>1,900</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>3,800</td><td><mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	1,900	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>3,800</td><td><mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>3,800</td><td><mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>3,800</td><td><mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<></td></mdl<>	3,800	<mdl< td=""><td><mdl< td=""><td>1,800</td><td>2,900</td></mdl<></td></mdl<>	<mdl< td=""><td>1,800</td><td>2,900</td></mdl<>	1,800	2,900
SP6	9/29/2006	7.0-8.0	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SP7	9/29/2006	9.0-1.0	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
SB-1	8/13/2015	5.5-6.5*	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-2	8/13/2015	6.0-7.0*	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-3	8/13/2015	19.0-20.0	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-4	8/13/2015	7.5-8.5	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-4	8/13/2015	13.0-14.0	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
SB-5	8/13/2015	15.0-16.0	740	590	910	390	380	870	1,600	<330	500	1,200	1,300
SB-6	8/13/2015	4.0-5.0	1,200	1,100	1,500	810	820	1,400	2,300	670	<330	1,000	1,900

Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)

Generic Soil Cleanup Criteria Tables 2 and 3: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013

Posidontial (us/Ks)													
		Resi	dential (µg/l	Kg)									
Statewide Default Background Levels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Drinking Water Protection (Res DWP)	NLL	NLL	NLL	NLL	NLL	NLL	7.30E+05	NLL	57,000	56,000	4.80E+05		
Groundwater Surface Water Interface Protection (GSIP)	NLL	NLL	NLL	NLL	NLL	NLL	5,500	NLL	4,200	2,100	ID		
Soil Volatilization to Indoor Air Inhalation (Res SVII)	NLV	NLV	ID	NLV	NLV	ID	1.0E+9 {D}	NLV	2.70E+06	2.8E+06	1.0E+9 {D}		
Ambient Air Infinite Source Volatile Soil Inhalation (Res VSI)	NLV	NLV	ID	NLV	NLV	ID	7.40E+08	NLV	1.50E+06	1.60E+05	6.5E+08		
Ambient Air Finite VSI for 5 Meter Source Thickness	NLV	NLV	ID	NLV	NLV	ID	7.4E+08	NLV	1.50E+06	1.60E+05	6.5E+08		
Ambient Air Finite VSI for 2 Meter Source Thickness	NLV	NLV	ID	NLV	NLV	ID	7.4E+08	NLV	1.50E+06	1.60E+05	6.5E+08		
Ambient Air Particulate Soil Inhalation (Res PSI)	ID	1.5E+06	ID	8.0E+08	ID	ID	9.3E+09	ID	6.70E+08	6.7E+06	6.7E+09		
Direct Contact (Res DC)	20,000	2,000	20,000	2.5E+06	2.00E+05	2.0E+06	4.6E+07	20,000	8.10E+06	1.6E+06	2.9E+07		
		Nonre	sidential (μ	g/Kg)									
Drinking Water Protection (Nonres DWP)	NLL	NLL	NLL	NLL	NLL	NLL	7.30E+05	NLL	1.70E+05	1.60E+05	4.80E+05		
Soil Volatilization to Indoor Air Inhalation (Nonres SVII)	NLV	NLV	ID	NLV	NLV	ID	1.0E+9 {D}	NLV	4.90E+06	5.1E+06	1.0E+9 {D}		
Ambient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)	NLV	NLV	ID	NLV	NLV	ID	8.9E+08	NLV	1.80E+06	1.90E+05	7.8E+08		
Ambient Air Finite VSI for 5 Meter Source Thickness	NLV	NLV	ID	NLV	NLV	ID	8.8E+08	NLV	1.80E+06	1.90E+05	7.8E+08		
Ambient Air Finite VSI for 2 Meter Source Thickness	NLV	NLV	ID	NLV	NLV	ID	8.8E+08	NLV	1.80E+06	1.90E+05	7.8E+08		
Ambient Air Particulate Soil Inhalation (Nonres PSI)	ID	1.9E+06	ID	3.5E+08	ID	ID	4.1E+09	ID	2.90E+08	2.9E+06	2.9E+09		
Direct Contact (Nonres DC)	Direct Contact (Nonres DC) 80,000 8,000 80,000 7.0E+06 8.00E+05 8.0E+06 1.3E+08 80,000 2.60E+07 5.2E+06 8.4E+07												
	_	Screen	ing Levels (	μg/Kg)									
Soil Saturation Concentration Screening Levels (Csat)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Applicable Criterion/RBSL Exceeded

BOLD Value Exceeds Applicable Criterion/RBSL

bgs Below Ground Surface (feet)

MDL Laboratory method detection limit

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLL/NLV Not Likely to Leach/Not Likely to Volatilizae

\* Measured from a point approximately 10 feet below street elevation

# TABLE 3 SUMMARY OF SOIL ANALYTICAL RESULTS PCBs AND METALS 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-0003

	HLORINATED BIPHENYL: ND MICHIGAN TEN META (µg/Kg)		PCBs	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc
Chemica	I Abstract Service Numb	er (CAS#)	1336363	7440382	7440393	7440439	16065831	7440508	7439921	7439976	7782492	7440224	7440666
Sample ID	Sample Date	Sample Depth (feet bgs)	PCBs		•		•	Michigan	Ten Metals	•	•	•	
SP1	9/29/2006	4.0-5.0	NA	NA	NA	220	8,600	NA	22,000	NA	NA	NA	NA
SP2	9/29/2006	4.5-5.5*	NA	NA	NA	420	10,000	NA	86,000	NA	NA	NA	NA
SP3	9/29/2006	0.0-2.0*	NA	NA	NA	220	7,000	NA	25,000	NA	NA	NA	NA
SP3 (DUP)	9/29/2006	0.0-2.0	NA	NA	NA	230	7,000	NA	25,000	NA	NA	NA	NA
SP5	9/29/2006	3.0-4.0	NA	NA	NA	200	10,000	NA	18,000	NA	NA	NA	NA
SP6	9/29/2006	7.0-8.0	NA	NA	NA	180	7,400	NA	84,000	NA	NA	NA	NA
SP7	9/29/2006	9.0-1.0	NA	NA	NA	420	11,000	NA	72,000	NA	NA	NA	NA
SB-1	8/13/2015	5.5-6.5*	<mdl< td=""><td>8,200</td><td>57,000</td><td>410</td><td>14,000</td><td>18,000</td><td>56,000</td><td>51</td><td>290</td><td>&lt;100</td><td>84,000</td></mdl<>	8,200	57,000	410	14,000	18,000	56,000	51	290	<100	84,000
SB-2	8/13/2015	6.0-7.0*	<mdl< td=""><td>8,200</td><td>61,000</td><td>350</td><td>12,000</td><td>18,000</td><td>23,000</td><td>&lt;50</td><td>450</td><td>&lt;100</td><td>57,000</td></mdl<>	8,200	61,000	350	12,000	18,000	23,000	<50	450	<100	57,000
SB-3	8/13/2015	19.0-20.0	<mdl< td=""><td>9,500</td><td>65,000</td><td>270</td><td>25,000</td><td>21,000</td><td>16,000</td><td>&lt;50</td><td>300</td><td>&lt;100</td><td>58,000</td></mdl<>	9,500	65,000	270	25,000	21,000	16,000	<50	300	<100	58,000
SB-4	8/13/2015	7.5-8.5	<mdl< td=""><td>11,000</td><td>86,000</td><td>480</td><td>15,000</td><td>33,000</td><td>82,000</td><td>110</td><td>530</td><td>&lt;100</td><td>160,000</td></mdl<>	11,000	86,000	480	15,000	33,000	82,000	110	530	<100	160,000
SB-4	8/13/2015	13.0-14.0	<mdl< td=""><td>7,800</td><td>47,000</td><td>270</td><td>19,000</td><td>19,000</td><td>13,000</td><td>62</td><td>220</td><td>&lt;100</td><td>49,000</td></mdl<>	7,800	47,000	270	19,000	19,000	13,000	62	220	<100	49,000
SB-5	8/13/2015	15.0-16.0	<mdl< td=""><td>10,000</td><td>83,000</td><td>530</td><td>16,000</td><td>49,000</td><td>82,000</td><td>&lt;50</td><td>1,200</td><td>&lt;100</td><td>150,000</td></mdl<>	10,000	83,000	530	16,000	49,000	82,000	<50	1,200	<100	150,000
SB-6	8/13/2015	4.0-5.0	<mdl< td=""><td>11,000</td><td>63,000</td><td>410</td><td>19,000</td><td>23,000</td><td>55,000</td><td>140</td><td>340</td><td>&lt;100</td><td>72,000</td></mdl<>	11,000	63,000	410	19,000	23,000	55,000	140	340	<100	72,000

Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)

Generic Soil Cleanup Criteria Tables 2 and 3: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013

		Re	sidential (µg	ı/Kg)							
Statewide Default Background Levels	NA	5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000
Drinking Water Protection (Res DWP)	NLL	4,600	1.30E+06	6,000	30,000	5.80E+06	7.00E+05	1,700	4,000	4,500	2.40E+06
Groundwater Surface Water Interface Protection (GSIP)	NLL	4,600	1.3E+06 {G}	7,700 {G,X}	3,300	1.8E+05 {G}	8.2E+06 {G,X}	50 (M); 1.2	400	100 (M); 27	3.9E+05 {G}
Soil Volatilization to Indoor Air Inhalation (Res SVII)	3.0E+06	NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV
Ambient Air Infinite Source Volatile Soil Inhalation (Res VSI)	2.40E+05	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Ambient Air Finite VSI for 5 Meter Source Thickness	7.9E+06	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Ambient Air Finite VSI for 2 Meter Source Thickness	7.9E+06	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Ambient Air Particulate Soil Inhalation (Res PSI)	5.2E+06	7.20E+05	3.30E+08	1.70E+06	2.60E+05	1.30E+08	1.00E+08	2.00E+07	1.30E+08	6.70E+06	ID
Direct Contact (Res DC)	{T}	7,600	3.70E+07	5.50E+05	2.50E+06	2.00E+07	4.00E+05	1.60E+05	2.60E+06	2.50E+06	1.70E+08
		Non	residential (Į	µg/Kg)							
Drinking Water Protection (Nonres DWP)	NLL	4,600	1.30E+06	6,000	30,000	5.80E+06	7.00E+05	1,700	4,000	4,500	5.00E+06
Soil Volatilization to Indoor Air Inhalation (Nonres SVII)	1.6E+07	NLV	NLV	NLV	NLV	NLV	NLV	89,000	NLV	NLV	NLV
Ambient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)	8.10E+05	NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
Ambient Air Finite VSI for 5 Meter Source Thickness	2.8E+07	NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
Ambient Air Finite VSI for 2 Meter Source Thickness	2.8E+07	NLV	NLV	NLV	NLV	NLV	NLV	62,000	NLV	NLV	NLV
Ambient Air Particulate Soil Inhalation (Nonres PSI)	6.5E+06	9.10E+05	1.50E+08	2.20E+06	2.40E+05	5.90E+07	4.40E+07	8.80E+06	5.90E+07	2.90E+06	ID
Direct Contact (Nonres DC)	{T}	37,000	1.30E+08	2.10E+06	9.20E+06	7.30E+07	9.0E+5 (DD)	5.80E+05	9.60E+06	9.00E+06	6.30E+08
		Scree	ning Levels	(µg/Kg)							
Soil Saturation Concentration Screening Levels (Csat)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Applicable Criterion/RBSL Exceeded

BOLD Value Exceeds Applicable Criterion/RBSL

bgs Below Ground Surface (feet)

MDL Laboratory method detection limit (MDL)

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLL/NLV Not Likely to Leach/Not Likely to Volatilize

(G) Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 418 mg/L CaCO3 Hardness: Station ID 630003, Rouge River, near Troy, MI

\* Measured from a point approximately 10 feet below street elevation

## TABLE 4 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS VOCs, PNAs, METALS, AND METHANE 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-0003

	POLYNUCLEAR AROM MICHIGAN TEN ME	ETALS, AND METHANE μg/L)	NAs),	Benzene	n-Butylbenzene	sec-Butylbenzene	cis-1,2-Dichloroethylene	trans-1,2- Dichloroethylene	Ethylbenzene	Methyl-tert-butyl ether (MTBE)	n-Propylbenzene	Tetrachloroethylene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	VOCs	2-Methylnaphthalene	Other PNAs	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	Methane
		Service Number (CAS#	Depth to Groundwater	71432	104518	135988	156592	156605	100414	1634044	1	127184	108883	95636	108678	1330207	Various	91576	I.	7440382	7440393	7440439	16065831		l		7782492	7440224	7440666	74828
Sample ID	Sample Date	(feet bgs)	(feet bgs)							VC	)Cs							Pr	lAs					Michigan	i en Meta	IS				Methane
SP2 GW	9/26/2006	11.0-16.0	12.0	2.2	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	7.7	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<>	NA	NA	NA	NA	<mdl< th=""><th><mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<>	<mdl< th=""><th>NA</th><th>5.9</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<>	NA	5.9	NA	NA	NA	NA	NA
SP2 GW (DUP)	9/26/2006	11.0-10.0	12.0	2.2	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th>7.7</th><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	7.7	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th><mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<></th></mdl<>	<mdl< th=""><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th><mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<></th></mdl<>	NA	NA	NA	NA	<mdl< th=""><th><mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<></th></mdl<>	<mdl< th=""><th>NA</th><th>8.2</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<>	NA	8.2	NA	NA	NA	NA	NA
SP7 GW	9/26/2006	20.0-25.0	20.0	160	1.7	1.2	<mdl< td=""><td>2.5</td><td>4.4</td><td>58</td><td>3.5</td><td><mdl< td=""><td>6.4</td><td>8.8</td><td>1.9</td><td>17</td><td><mdl< td=""><td>6.2</td><td><mdl< td=""><td>NA</td><td>NA</td><td><mdl< td=""><td>23</td><td>NA</td><td>140</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	2.5	4.4	58	3.5	<mdl< td=""><td>6.4</td><td>8.8</td><td>1.9</td><td>17</td><td><mdl< td=""><td>6.2</td><td><mdl< td=""><td>NA</td><td>NA</td><td><mdl< td=""><td>23</td><td>NA</td><td>140</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></mdl<></td></mdl<></td></mdl<></td></mdl<>	6.4	8.8	1.9	17	<mdl< td=""><td>6.2</td><td><mdl< td=""><td>NA</td><td>NA</td><td><mdl< td=""><td>23</td><td>NA</td><td>140</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></mdl<></td></mdl<></td></mdl<>	6.2	<mdl< td=""><td>NA</td><td>NA</td><td><mdl< td=""><td>23</td><td>NA</td><td>140</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></mdl<></td></mdl<>	NA	NA	<mdl< td=""><td>23</td><td>NA</td><td>140</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></mdl<>	23	NA	140	NA	NA	NA	NA	NA
TMW-1	8/13/2015	5.00-10.00*	6.57*	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<3	<mdl< td=""><td>&lt;5</td><td><mdl< td=""><td>2</td><td>100</td><td>&lt;0.2</td><td>&lt;5</td><td>&lt;4</td><td>&lt;3</td><td>&lt;0.2</td><td>&lt;5</td><td>1.9</td><td>&lt;10</td><td>28</td></mdl<></td></mdl<>	<5	<mdl< td=""><td>2</td><td>100</td><td>&lt;0.2</td><td>&lt;5</td><td>&lt;4</td><td>&lt;3</td><td>&lt;0.2</td><td>&lt;5</td><td>1.9</td><td>&lt;10</td><td>28</td></mdl<>	2	100	<0.2	<5	<4	<3	<0.2	<5	1.9	<10	28
TMW-2	8/13/2015	10.00-15.00*	12.57*	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<3	<mdl< td=""><td>&lt;5</td><td><mdl< td=""><td>6</td><td>&lt;100</td><td>&lt;0.2</td><td>7</td><td>&lt;4</td><td>&lt;3</td><td>&lt;0.2</td><td>&lt;5</td><td>0.8</td><td>&lt;10</td><td>98</td></mdl<></td></mdl<>	<5	<mdl< td=""><td>6</td><td>&lt;100</td><td>&lt;0.2</td><td>7</td><td>&lt;4</td><td>&lt;3</td><td>&lt;0.2</td><td>&lt;5</td><td>0.8</td><td>&lt;10</td><td>98</td></mdl<>	6	<100	<0.2	7	<4	<3	<0.2	<5	0.8	<10	98
TMW-11	5/26/2016	13.1-18.1	16.19	55	<1	<1	2	<1	<1	8	2	2	<1	<1	<1	<3	<mdl< th=""><th>&lt;5</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<>	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW-13	5/26/2016	3.7-8.7*	5.93*	<1	<1	<1	<1	<1	<1	<5	<1	1	<1	<1	<1	<3	<mdl< th=""><th>&lt;5</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th><th>NA</th></mdl<>	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)  Generic Groundwater Cleanup Criteria Table 1: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Ris  MDEQ Guidance Document For The Vapor Intrusion Pathway, Policy and Procedure Number: 09-017, Appendix D Vapor Intrusion  Residential/Nonresidential (µg/L)														ber 30, 20	)13															
Residential Drink	ing Water (Res DW)			5.0 {A}	80	80	70 (A)	100 {A}	74 (E)	40 (E)	80	5.0 {A}	790 (E)	63 (E)	72 (E)	280 {E}	Various	260	Various	10 {A}	2,000 {A}	5.0 {A}	100 {A}	1,000 {E}	4.0 {L}	2.0 {A}	50 {A}	34	2,400	ID
	inking Water (Nonres DW)	)		5.0 (A)	230	230	70 (A)	100 (A)	74 (E)	40 (E)	230	5.0 (A)	790 (E)	63 (E)	72 (E)	280 (E)	Various	750	Various		2,000 (A)	5.0 (A)	100 (A)	1,000 (E)	4.0 (L)	2.0 (A)	50 (A)	98	5,000 {E}	ID
Groundwater Su	face Water Interface (GSI)			200 {X}	ID	ID	620	1,500 {X}	18	7,100 {X}		60 {X}	270	17	45	41	Various	19	Various				240 {G}	30 {G}	47 {G,X}	0.0013		0.2 {M}; 0.06		NA

Screening Levels (µg/L)

460 1.50E+05

2.00E+05 5.26E+05

ID 61,000 56,000 {S}

92 94 36,000

390

NA

ID

ID 25,000 5.3E+5 {S} 56,000 {S} 61,000 {S} 1.9E+5 {S} Various

ID 1.70E+05 5.3E+5 {S} 56,000 {S} 61,000 {S} 1.9E+5 {S} Various

1,700

7,300

56,000

10.000

10,000

70,000

Various

Various

Various

1200

5,100

ID

61,000 1.86E+05

25,000 {S} Various

25,000 (S) Various

Various

Various

Various

940

3,900

25,000

ID

NLV

NLV

NL

NA

ID

NLV

NL

NA

NLV

NLV

NL

NA

ID

NLV

NLV

NL

NL

NA

NLV

NLV

NL

NL

NA

ID

NLV

NL

NL

NA

ID

56 (S)

ID

ID

56

NLV 56 {S}

NLV

NL

NA

NL

NL

NA

(K)

(K)

520

520

NA

NLV

NL

NL

NA

93,000 85,000 1.10E+05 4.7E+7 {S}

350 1,500 2600 1.00E+06

700 2.50E+05

ID 2.10E+05 2.00E+05 1.7E+5 {S} 4.7E+7 {S}

NA 3.50E+06 6.30E+06 1.69E+05 4.68E+07

ID 5.30E+05 2.30E+05 43,000 ID

83 360

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria

Residential Groundwater Volatilization to Indoor Air Inhalation (Res GVII)<sup>2</sup>

Residential Groundwater Vapor Intrusion Screening Levels (GW<sub>VI-res</sub>)<sup>3</sup>

Nonresidential Groundwater Vapor Intrusion Screening Levels (GW<sub>VI-nr</sub>)<sup>3</sup>

Nonresidential Groundwater Volatilization to Indoor Air Inhalation (Nonres GVII)<sup>2</sup>

bgs Below Ground Surface (feet)

MDL Laboratory Method Detection Limit

<sup>2</sup> Tier 1 GVII Criteria based on 3 meter (or greater) groundwater depth

3 (2013 Vapor Intrusion Guidance) Screening Levels based on depth to groundwater less than 3.0 meters and not in contact with building foundation

NA/NL/ID Not Applicable/Not Listed/Insufficient Data

NLV Not Likely to Volatilize

Flammability and Explosivity Screening Level

Water Solubility

{G} Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 418 mg/L CaCO3 Hardness: Station ID 630003, Rouge River, near Troy, MI

ID

380

NA

5,600

35,000

140

1.75E+06

68,000 ID

ID

68

\* Measured from a point approximately 10 feet below street elevation

# TABLE 5 SUMMARY OF SOIL GAS ANALYTICAL RESULTS VOCS AND METHANE 856 NORTH OLD WOODWARD AVENUE, BIRMINGHAM, MICHIGAN PM PROJECT # 01-5889-0-0003

V	OLATILE ORGANIC COMPO AND METHANI (ppbv)	E , , ,	Acetone	m-Dichlorobenzene	Ethylbenzene	4-Ethyltoluene	Heptane	Hexane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Tetrachloroethylene	Toluene	Trichloroethylene	m,p-Xylene	o-Xylene	Xylenes (total)	Other VOCs	Methane
Sample ID	Chemical Abstract Servic  Sample Date	Sample Depth (feet bgs)	67641	541731	100414	622968	142825	110543	95636	108678 <b>VC</b>	540841 OCs	127184	108883	79016	1330207	95476	1330207	Various	74828 Methane
- Cample 15	Oumpie Date	Jampie Jopan (reet 250)		1	1		ı	1	ı						ı		1	1	Wethane
SG-1	8/13/2015	5.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SG-2	8/13/2015	4.5*	130.0	7.3	3.4	2.6	<0.80	<0.80	2.8	1.0	84.0	<0.16	23.0	<0.16	11.0	3.9	14.9	ND	NA
SG-3	8/13/2015	3.5	130.0	6.0	1.5	<0.80	<0.80	<0.80	2.2	<0.80	43.0	<0.16	11.0	<0.16	5.7	2.2	7.9	ND	ND
SG-4	8/13/2015	7.5	160.0	4.4	2.7	3.0	70.0	<0.80	3.5	0.8	24.0	580.0	14.0	8.1	11.0	3.9	14.9	ND	ND
SG-5	8/13/2015	3.5	110.0	2.8	2.7	2.1	<0.80	24.0	2.2	<0.80	200.0	590.0	18.0	7.9	9.3	3.2	12.5	ND	ND
SG-6	8/13/2015	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Α	NA	NA	ND
		MDEQ Guidance Doc	ument For T	he Vapor In	trusion Path	way, Policy	and Procedu	ure Number:	09-017, App	oendix D Vap	oor Intrusion	Screening \	/alues, May	2013					
						Residen	tial Screenir	ng Levels (p	obv)			•		•				•	
<u> </u>		ing Levels (≤ 1.5m bgs) (SG <sub>VI-SS</sub> )	82,000	16	640	NDC	28,000	6,600	1,500	1,500	25,000	170	44,000	12	760	760	760	Various	1.25E+04 (g)
Vapor Intrusion Deep So	oil Gas Screening Levels (S	SG <sub>VI</sub> )	8.20E+05	160	6,400	NDC	2.80E+05	66,000	15,000	15,000	2.50E+05	1,700	4.40E+05	120	7,600	7,600	7,600	Various	1.25E+04 (g)
						Nonreside	ntial Screen	ning Levels (	ppbv)										
		ing Levels (≤ 1.5m bgs) (SG <sub>Vi-SS</sub> )	1.40E+06	280	13,000	NDC	4.70E+05	1.10E+05	25,000	25,000	4.20E+05	3,300	7.40E+05	210	13,000	13,000	13,000	Various	1.25E+04 (g)
Vapor Intrusion Deep So	oil Gas Screening Levels (S	GG <sub>VI</sub> )	1.40E+07	2,800	1.30E+05	NDC	4.70E+06	1.10E+06	2.50E+05	2.50E+05	4.20E+06	33,000	7.40E+06	2,100	1.30E+05	1.30E+05	1.30E+05	Various	1.25E+04 (g)

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria

bgs Below Ground Surface (feet)

MDL Laboratory Method Detection Limit (MDL)

NA Not Applicable

NDC "No Defined Criteria" by the Michigan Department of Environmental Quality (MDEQ)

\* Measured from a point approximately 10 feet below street elevation

# Appendix A





**Project No.:** 01-5889-0-003 **Boring No.: SB-7** 

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
=		ASPHALT		_	0.0	
2		SP- (Loose) SAND (moist) Brown, fine, trace gravel		-	0.0	
=				-	0.0	
4-		SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	
=		Brown, fine		-	0.0	
6-		CL- (Medium Stiff) CLAY (moist)	SS-1 5.0 - 6.0'	-	0.0	
		Brown		-	0.0	
8-				-	0.0	
				-	0.0	
10-		SM- (Medium Dense) SILTY SAND	SS-2	-	0.0	
		(moist) Brown, fine	9.5 - 10.5'	-	0.0	
12		CL- (Medium Stiff) CLAY (moist) Gray		-	0.0	
		Glay		-	0.0	
14-			SS-3 13.0 - 14.0'	-	0.0	
'4				-	0.0	
16				-	0.0	
				-	0.0	
18				-	0.0	
				-	0.0	
20				-	0.0	
20						
<u> </u>						

Completion Notes: EOB @ 20' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.

The transitions between materials may be gradual.

2. Boring backfilled with natural soils unless otherwise noted.



**Project No.:** 01-5889-0-003 **Boring No.:** SB-8

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL		
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
		ASPHALT SC- (Medium Dense) CLAYEY		-	0.0	
2-		SAND (moist) Brown/Gray, fine, (with glass/gravel 1 - 5' bgs)		-	0.0	
2   -				-	0.0	
4-				-	0.7	
-				-	2.9	
6-	6-			-	6.2	
=  -   =				-	13.5	
8-			00.4	-	7.2	
=  -   -			SS-1 8.0 - 9.0'	-	17.0	
10-		Gray		-	12.6	
=				-	8.1	
12-				-	6.4	
				-	2.7	
14-				-	0.9	
	14		00.0	-	0.4	
16		DEFUGAL O 101	SS-2 15.0 - 16.0'	-	0.2	
		REFUSAL @ 16' bgs				

Completion Notes: EOB @ 16' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.



**Project No.:** 01-5889-0-003 **Boring No.:** SB-9

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL	E	
Depth (ft.)	Boring Profile	Sample # Blow Counts Blow Counts Blow Counts		PID (ppm)	No Well Installed	
0-		Ground Surface				
=		ASPHALT	1	-	0.0	
2-		SP- (Loose) SAND (moist) Brown, fine, (with gravel and construction debris 0 - 9.5' bgs)		-	0.0	
=		<i>3</i> /		-	0.0	
4-				-	0.0	
			SS-1 4.0 - 5.0'	-	0.0	
=				-	0.0	
6-				-	0.0	
				-	0.0	
8-				-	0.0	
	HIHIHHHH	SM- (Medium Dense) SILTY SAND	-	-	0.0	
10		(moist)  Brown, fine, (with construction debris)	SS-2 10.0 - 11.0'	-	0.0	
		CL- (Stiff) CLAY (moist)		-	0.0	
12		Brown		-	0.0	
				-	0.0	
14 =		CL- (Soft) CLAY (moist)	SS-3 14.0 - 15.0'	-	0.0	
		Gray/Brown		-	0.0	
16				-	0.0	
				-	0.0	
18-					0.0	
20				-	0.0	

Completion Notes: EOB @ 20' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.



**Project No.:** 01-5889-0-003 **Boring No.:** SB-10

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
		GRASS/TOP SOIL SC- (Medium Dense) CLAYEY		-	0.0	
2-		SAND (moist) Brown/Gray, fine (with gravel and construction debris)		-	0.0	
		construction debris)		-	0.0	
] ]				-	0.0	
4-			SS-1 4.0 - 5.0'	-	0.0	
6				-	0.0	
		SP- (Loose) SAND (moist) Brown, fine (with gravel and construction debris), black staining 10-11' bgs.		-	0.0	
8-		debris), black staining 10-11' bgs.		-	0.0	
				-	0.0	
10 =				-	0.0	
10-			SS-2 10.0 - 11.0'	-	0.0	
12-				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
16				-	0.0	
=			SS-3	-	0.0	
18		CL- (Medium Stiff) CLAY (moist) Brown	16.5 - 17.5'	-	0.0	
"				-	0.0	
20				-	0.0	
20 =						

Completion Notes: EOB @ 20' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.



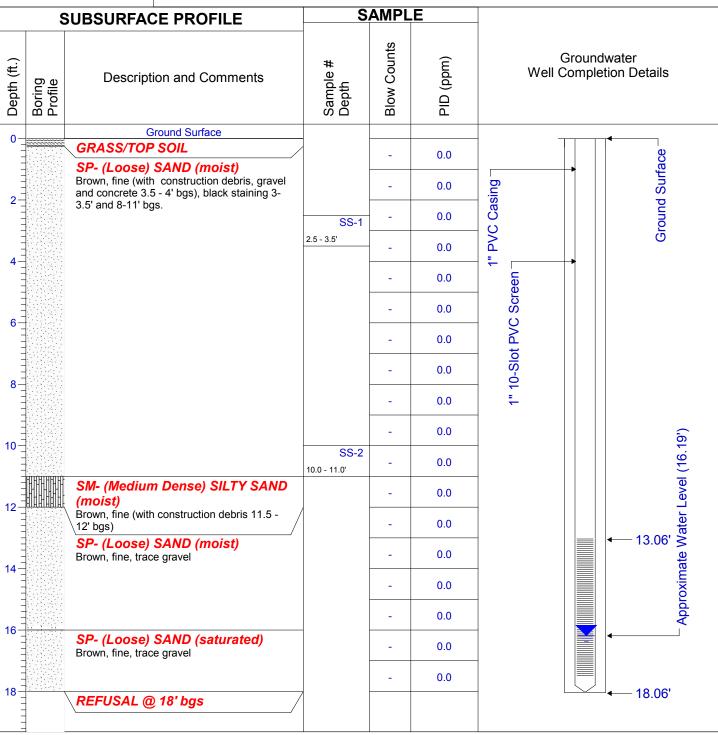
### Well Log.

**Project No.:** 01-5889-0-003 **Well No.:** SB/TMW-11

Project Name: Vacant Land Date Drilled: 5/26/2016

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC



Completion Notes: EOB @ 18' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
- 2. Boring backfilled with natural soils unless otherwise noted



**Project No.:** 01-5889-0-003 **Boring No.:** SB-12

Date Drilled: 5/26/2016 Project Name: Vacant Land

Drill Rig: 6712 DT Facility ID#:

Logged By: JC Sampling Method: 2 1/4"MC

	5	SUBSURFACE PROFILE		SAMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Sample Supple Su		PID (ppm)	No Well Installed
0-		Ground Surface				
		ASPHALT		-	0.0	
2-		SC- (Medium Dense) CLAYEY SAND (moist) Brown, fine		-	0.0	
-		Brown, mic		-	0.0	
4-				-	0.0	
				-	0.0	
			SS-1	-	0.0	
6-		CL- (Medium Stiff) CLAY (moist) Browm/Gray	5.5 - 6.5'	-	0.0	
8-		SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	
		Brown, fine		-	0.0	
10-		SM- (Medium Dense) SILTY SAND	_	-	0.0	
=		(moist) Brown, fine	SS-2	-	0.0	
12-		CL- (Medium Stiff) CLAY (moist) Gray	10.5 - 11.5'	-	0.0	
=		·		-	0.0	
14-			SS-3 13.0 - 14.0'	-	0.0	
				-	0.0	
16				-	0.0	
				-	0.0	
18				-	0.0	
				-	0.0	
20				-	0.0	

Completion Notes: EOB @ 20' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.

The transitions between materials may be gradual.

2. Boring backfilled with natural soils unless otherwise noted.



Well Log.

**Project No.:** 01-5889-0-003 **Well No.:** SB/TMW-13

Project Name: Vacant Land Date Drilled: 5/26/2016

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

	9	SUBSURFACE PROFILE	S	AMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Groundwater Well Completion Details			
0-		Ground Surface				
- - -		GRASS/TOP SOIL  SP- (Loose) SAND (moist)  Brown, fine, trace gravel		-	0.0	Surface -
-				-	0.0	Casing Ground Surface
2-			SS-1 2.0 - 3.0'	-	0.0	1" PVC Casing Ground
- - - 4-				-	0.0	1" PVC Screen  Approximate Water Level (5.93')
- - -				-	0.0	Screen -
6-			SS-2 5.0 - 6.0'	-	0.0	1" 10-Slot PVC Screen  Approximate V
- - -		SP- (Loose) SAND (saturated) Brown, fine, trace gravel		-	0.0	10-10-10-10-10-10-10-10-10-10-10-10-10-1
- - - 8-		CL- (Soft) CLAY (moist) Gray		-	0.0	
- - -				-	0.0	8.74'
10-		SM- (Medium Dense) SILTY SAND (moist) Brown, fine		-	0.0	NOTE: MEASUREMENTS FROM 10 FEET BELOW
-						STREET ELEVATION

Completion Notes: EOB @ 10' bgs. Hole filled with soil cuttings and bentonite.

- The indicated stratification lines are approximate in situ.
  The transitions between materials may be gradual.
- 2. Boring backfilled with natural soils unless otherwise noted



**Project No.:** 01-5889-0-003 **Boring No.:** SB-14

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL	E	
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
- -		GRASS/TOP SOIL  SC- (Medium Dense) CLAYEY SAND (moist) Brown, fine, black staining 1.5 - 2.5' bgs		-	0.0	
- - 2-		Brown, fine, black staining 1.5 - 2.5' bgs		-	0.0	
-			SS-1 2.0 - 3.0'	-	0.0	
- - - 4-				-	0.0	
- - -				-	0.0	
6-				-	0.0	
- - -		CL- (Stiff) CLAY (moist) Gray	SS-2 6.0 - 7.0'	-	0.0	
8-				-	0.0	
- - -				-	0.0	
10-				-	0.0	NOTE: MEASUREMENTS - FROM 10 FEET BELOW
-						STREET ELEVATION

Completion Notes: EOB @ 10' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.

The transitions between materials may be gradual.

2. Boring backfilled with natural soils unless otherwise noted.



**Project No.:** 01-5889-0-003 **Boring No.:** SB-15

Date Drilled: 5/26/2016 Project Name: Vacant Land

Facility ID#: Drill Rig: 6712 DT

Logged By: JC Sampling Method: 2 1/4"MC

		SUBSURFACE PROFILE		SAMPL		
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	No Well Installed
0-		Ground Surface				
- - -		GRASS/TOP SOIL SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	
- - -		Brown, fine		-	0.0	
2-			SS-1 2.0 - 3.0'	-	0.0	
-				-	0.0	
-				-	0.0	
- - - 6-		CL- (Medium Stiff) CLAY (moist) Brown (constuction debris 7 - 8')		-	0.0	
- - -				-	0.0	
- - - 8-			SS-2 7.0 - 8.0'	-	0.0	
- -		CL- (Soft) CLAY (moist) Gray		-	0.0	
10-				-	0.0	NOTE: MEASUREMENTS - FROM 10 FEET BELOW
- - - -						STREET ELEVATION

Completion Notes: EOB @ 10' bgs. Hole filled with soil cuttings and bentonite.

- 1. The indicated stratification lines are approximate in situ.
- The transitions between materials may be gradual.

  2. Boring backfilled with natural soils unless otherwise noted.

# Appendix C



# **Assessors Map**



# Appendix D



**LOCATION MAP** 

SCALE:  $I'' = 2,000' \pm$ 

# SITE DEVELOPMENT PLANS **FOR**

# **APPLICANT/OWNER**

**FLS PROPERTIES #5, LLC** 2950 WALNUT LAKE ROAD **WEST BLOOMFIELD. MICHIGAN 48323** 

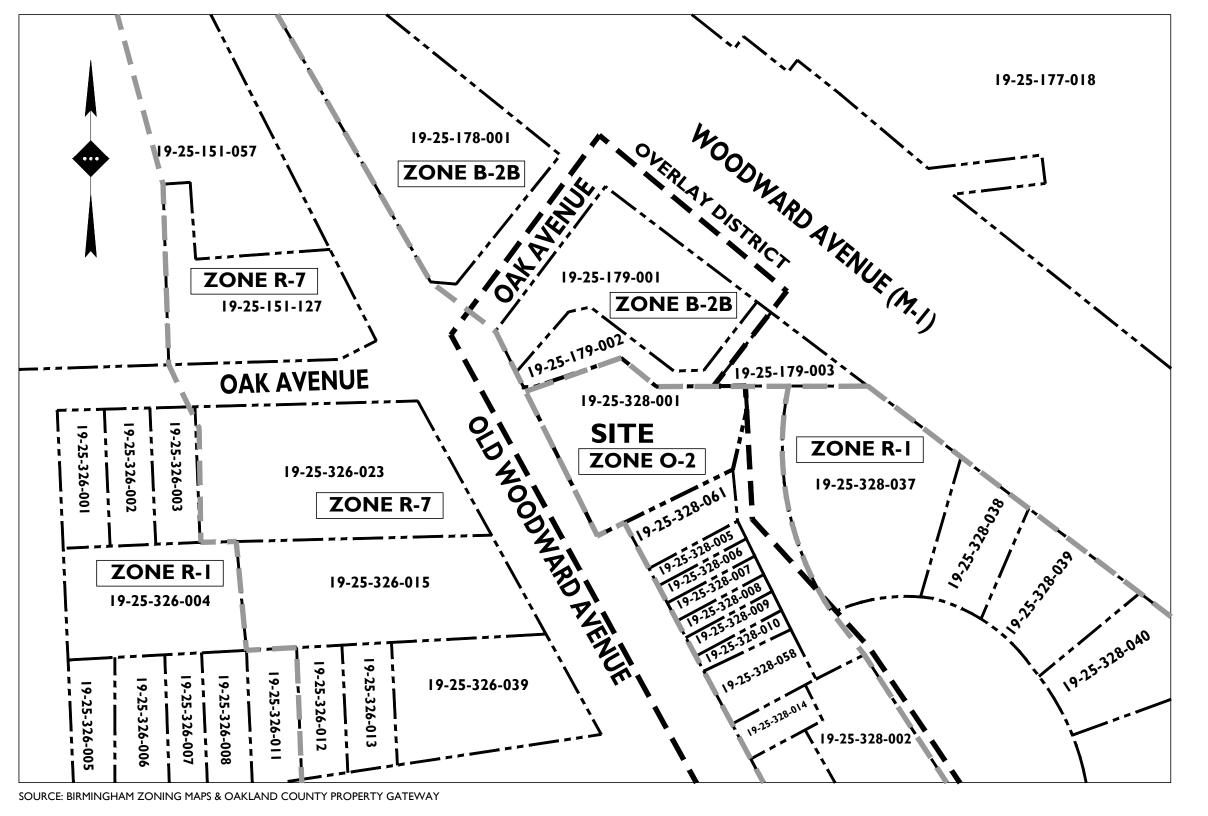
#### **SURVEYOR**

**KEM-TEC ASSOCIATES** 22556 GRATIOT AVENUE **EASTPOINTE, MICHIGAN 48021** 

# 856 OLD NORTH WOODWARD PROPOSED 4 STORY MULTI-FAMILY **BUILDING WITH RETAIL**

PARCEL ID: 19-25-328-001 856 NORTH OLD WOODWARD AVENUE CITY OF BIRMINGHAM, OAKLAND COUNTY, MICHIGAN





# **ZONING MAP**

SCALE: I" = 100'±

# **AERIAL MAP**

SCALE: I" = 100'±

# PLANS PREPARED BY:

#### PLAN REFERENCE MATERIALS:

- I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS **INCLUDING, BUT NOT LIMITED TO:** ALTA/ACSM & TOPOGRAPHIC SURVEY PREPARED BY
- **KEM-TEC ASSOCIATES, LAST REVISED 11/05/2015.** ARCHITECTURAL PLANS PREPARED BY MARUSICH **ARCHITECTURE**
- GEOTECHNICAL REPORT PREPARED BY G2 CONSULTING TRAFFIC REPORT PREPARED BY STONEFIELD ENGINEERING
- **AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO** ZONING MAP OBTAINED FROM THE CITY OF BIRMINGHAM

ZONING MAP & OAKLAND COUNTY PROPERTY VIEWER

LOCATION MAP OBTAINED FROM USGS MAPS ONLINE 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.





Bloomfield Hills, MI · Rutherford, NJ · Farmingdale, NY www.stonefieldeng.com

2350 Franklin Road, Suite 210, Bloomfield Hills, MI 48302 Phone 248.247.1115

SHEET INDEX									
DRAWING TITLE	SHEET#								
COVER SHEET	C-I								
EXISTING CONDITIONS PLAN	C-2								
FIRST FLOOR SITE PLAN	C-3								
GRADING PLAN	C-4								
UTILITY PLAN	C-5								
SOIL EROSION & SEDIMENT CONTROL PLAN	C-6								

		REVISED PER CITY COMMENTS & ZONING BOARD SUBMISSION	REVISED PER CITY COMMENTS & ZONING BOARD SUBMISSION	REVISED PER CITY COMMENTS	REVISED PER CITY REVIW LETTER COMMENTS	SUBMISSION FOR PRELIMINARY SITE PLAN APPORAL	DESCRIPTION	
		JAM	JAM	JAM	JAM	JAM	ВҮ	
		04/12/2016 JAM	03/10/2016 JAM	02/17/2016	01/06/2016 JAM	11/11/2015 JAM	DATE	
		2	4	т	2	-	ISSUE	

# NOT APPROVED FOR CONSTRUCTION



**NORTH WOODWARD** 

MICHIGAN LICENSE No. 6201061061 LICENSED PROFESSIONAL ENGINEER

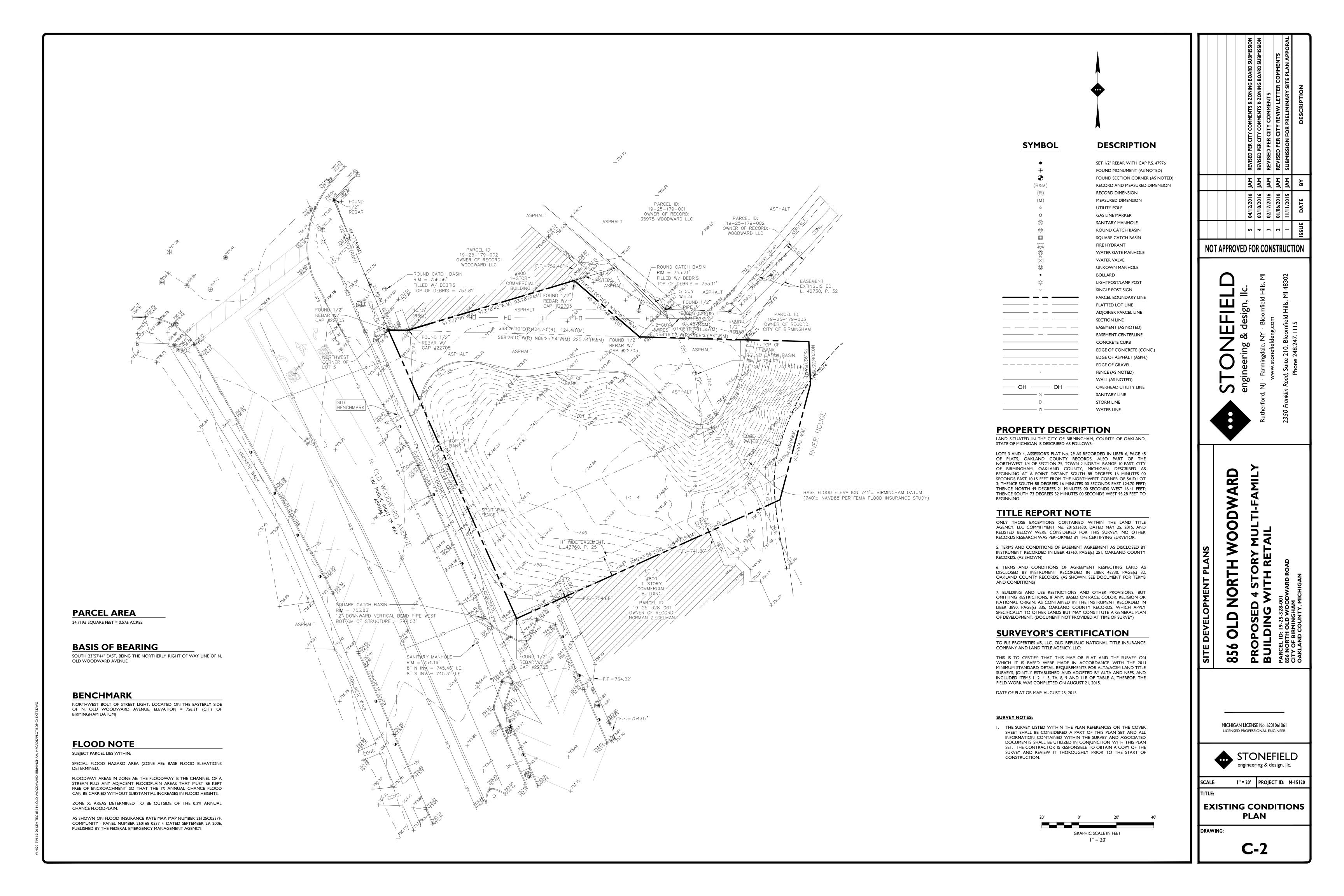


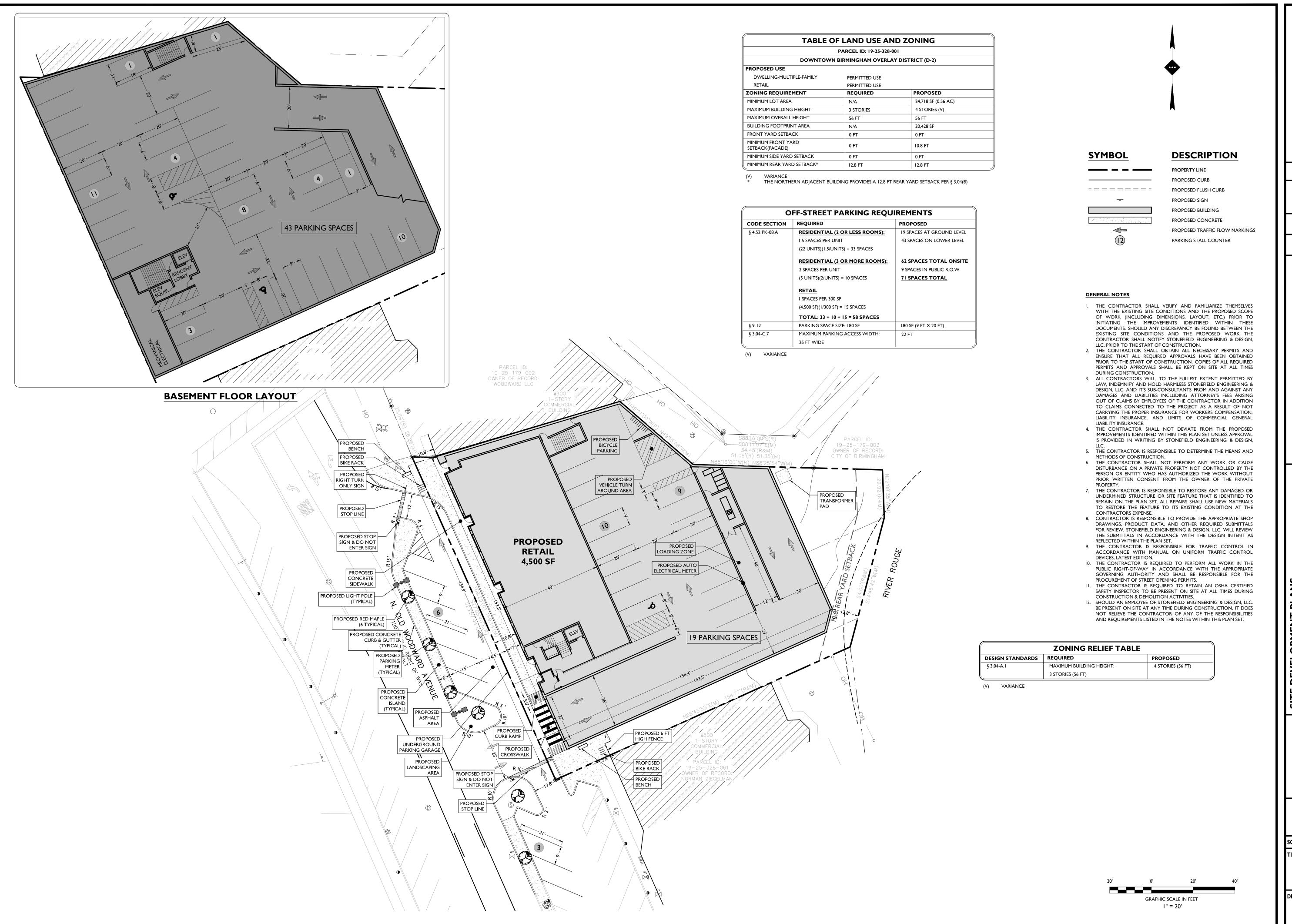
SCALE: AS SHOWN PROJECT ID: M-15120

**COVER SHEET** 

DRAWING:

C-I





NOT APPROVED FOR CONSTRUCTION

WOODWARD RET | ORTH 0

MICHIGAN LICENSE No. 6201061061 LICENSED PROFESSIONAL ENGINEER

STONEFIELD engineering & design, Ilc.

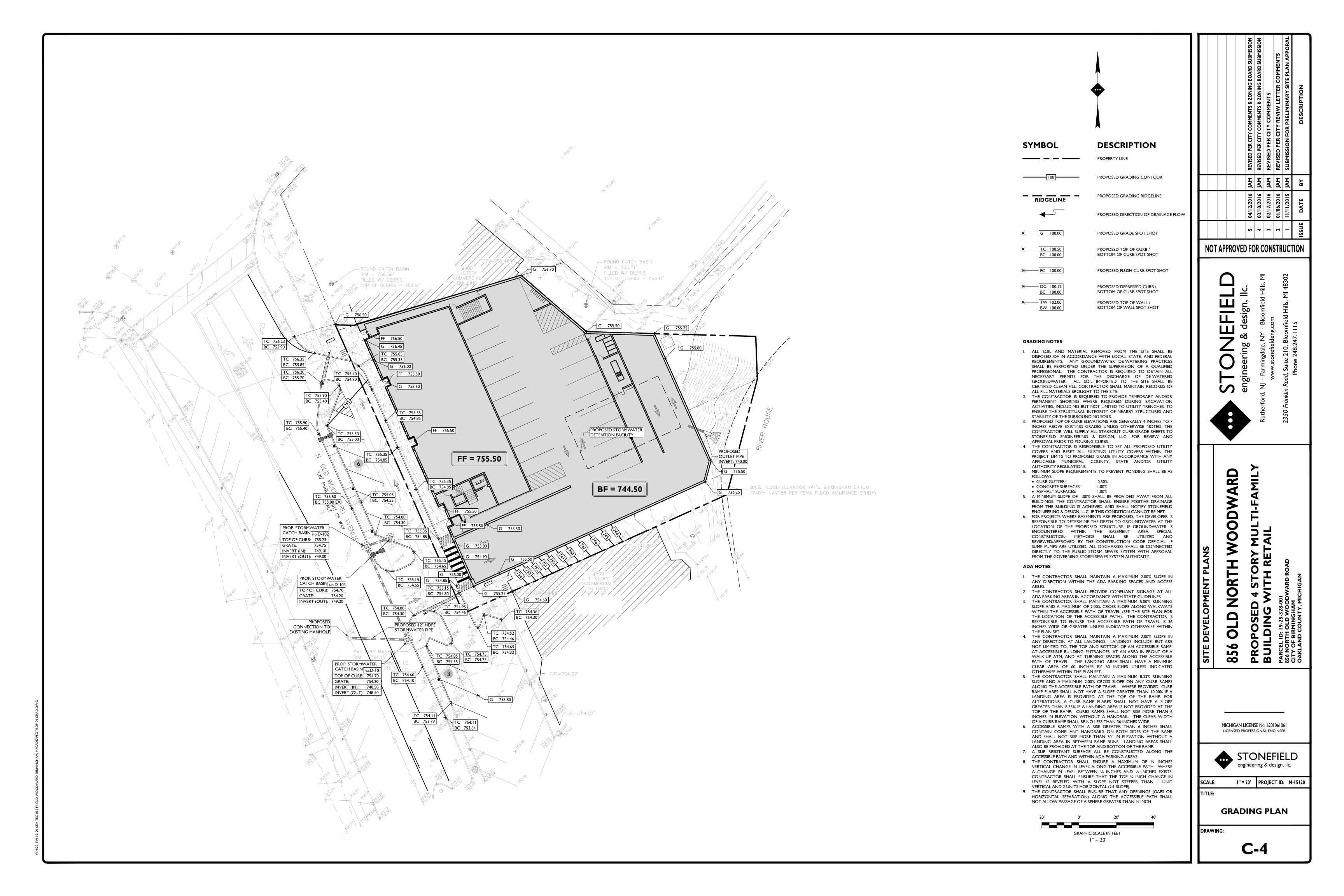
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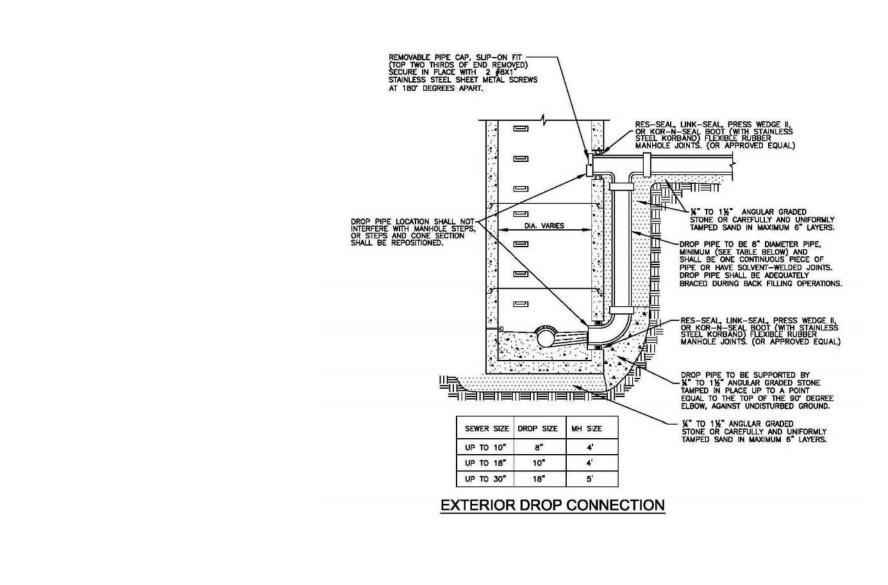
I" = 20' PROJECT ID: M-15120

**FIRST FLOOR** 

SITE PLAN

DRAWING:





VALVE BOX WITH MARKED

VALVE BOX EXTENSION

GROUND KEY CURB

STOP AND DRAIN

TO STRUCTURE

CRUSHED STONE FOR DRAINAGE

TYPE "K" COPPER

WATER CONNECTION DETAIL

NOT TO SCALE

WATER TUBING

WATER SERVICE (SEE

LOCATION)

(TYPICAL)

CORPORATION STOP

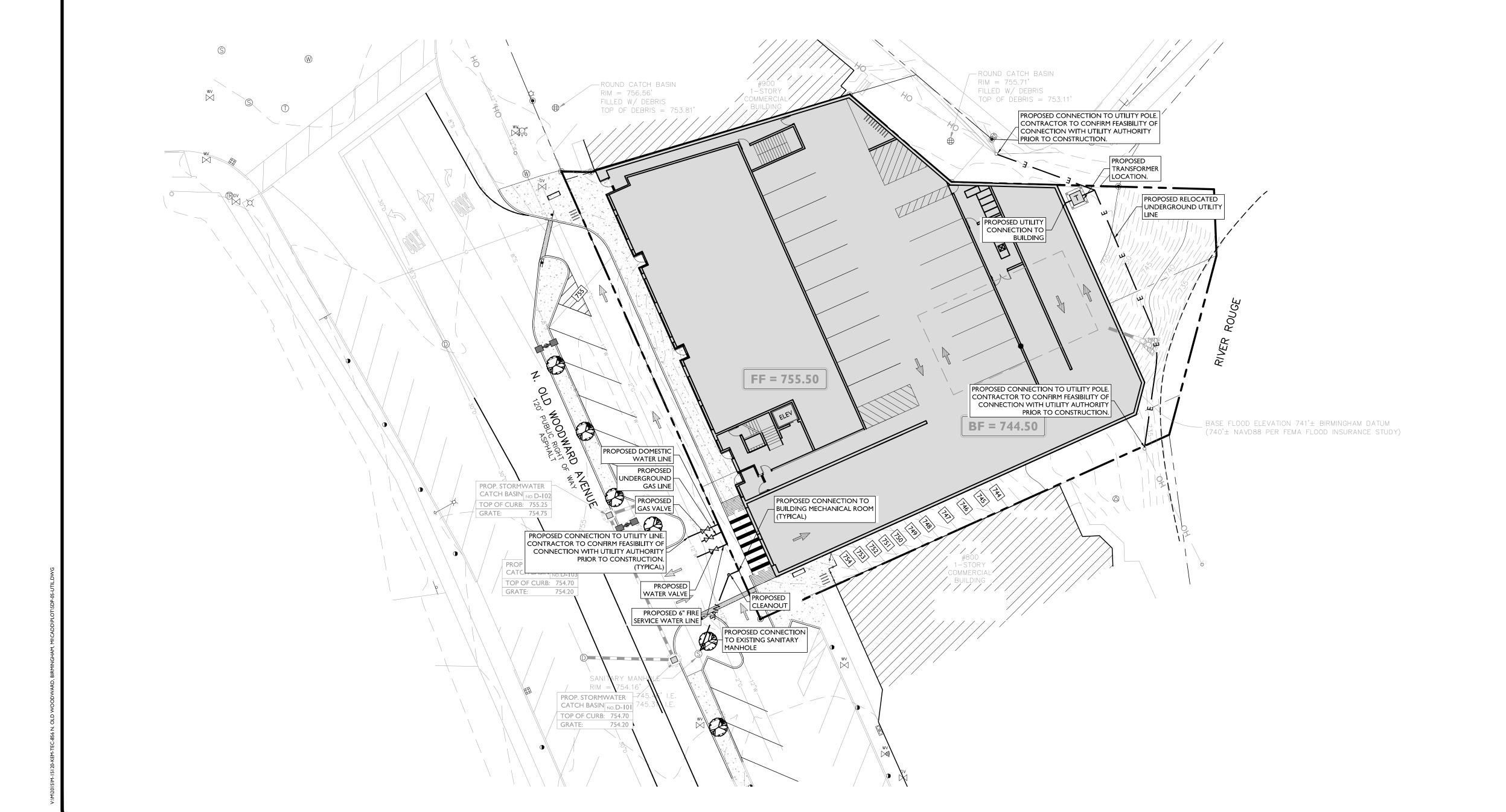
(42" MINIMUM COVER)

EXISTING WATER MAIN

EXISTING FOUNDATION

## SANITARY CONNECTION DETAIL

NOT TO SCALE





# SYMBOL DESCRIPTION PROPERTY BOUNDARY PROPOSED SANITARY SEWER PROPOSED UNDERGROUND WATER LINE GAS PROPOSED GAS LINE PROPOSED UNDERGROUND ELECTRIC/PHONE/CABLE LINE

# PROPOSED STRUCTURES

#### **DRAINAGE AND UTILITY NOTES**

- I. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
   THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF
- THE PROPOSED WORK DURING CONSTRUCTION.

  4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
- 5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.

  6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO
- 6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
- 8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY
  SEWER AT THE LOWEST INVERT AND WORK UP-GRADIENT.
  7. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF
- 7. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
- COMPLETION OF WORK.

  8. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

				REVISED PER CITY COMMENTS & ZONING BOARD SUBMIS	REVISED PER CITY COMMENTS & ZONING BOARD SUBMIS	REVISED PER CITY COMMENTS	REVISED PER CITY REVIW LETTER COMMENTS	SUBMISSION FOR PRELIMINARY SITE PLAN APP	DESCRIPTION	
				JAM	JAM	JAM	JAM	JAM	ВҮ	
				04/12/2016	03/10/2016	02/17/2016	01/06/2016	11/11/2015	DATE	
				2	4	3	2	1	ISSUE	
NOT	API	PRO	VEC	FC	R C	ON	STR	UC'	ΓΙΟΝ	

FIELD
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Bloomfield Hills, MI

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Rutherford, NJ · F

TH WOODWARD

856 OLD NORTH

MICHIGAN LICENSE No. 6201061061

LICENSED PROFESSIONAL ENGINEER

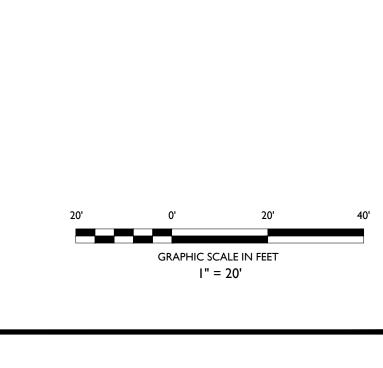


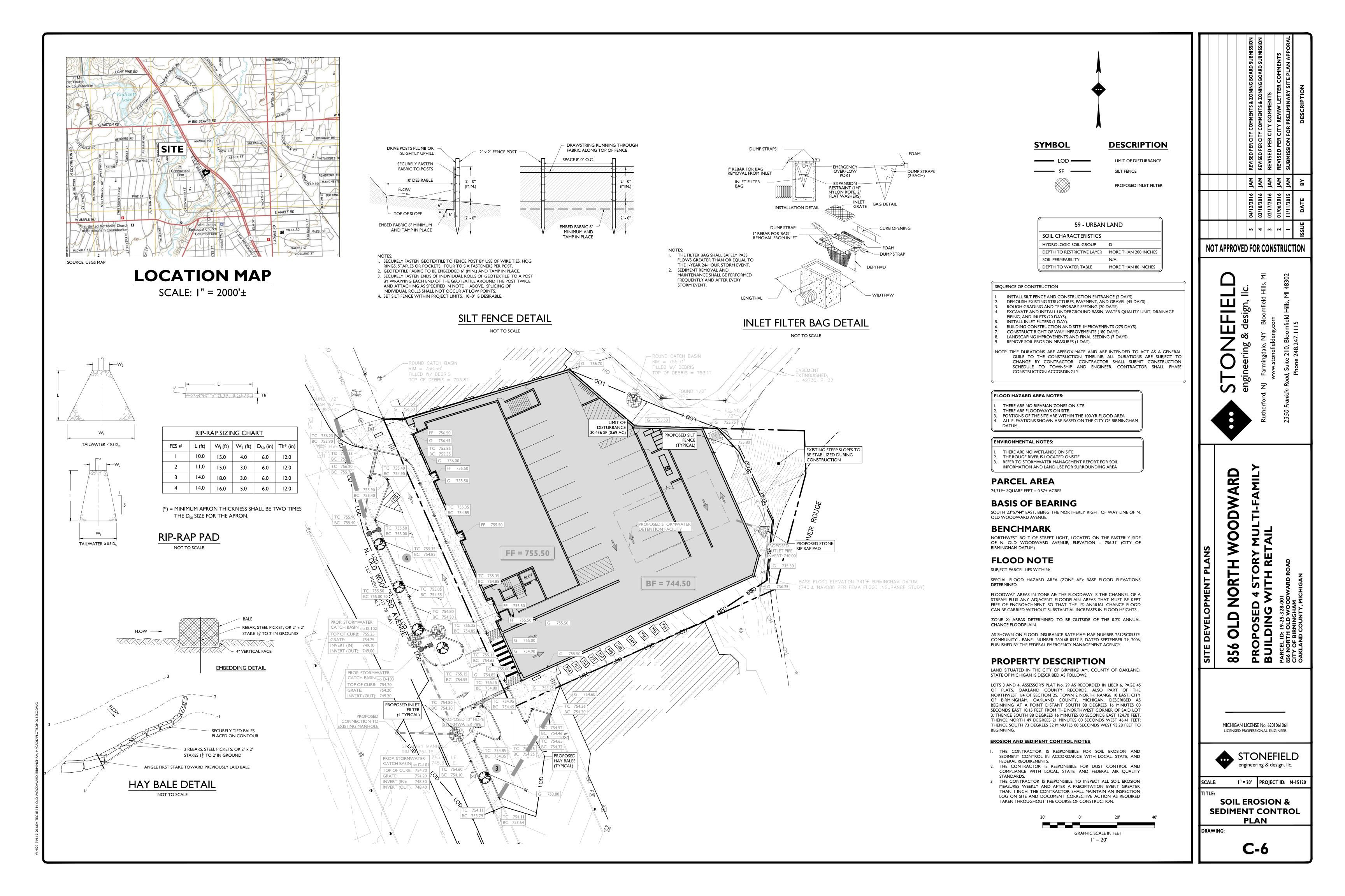
CALE: I" = 20' PROJECT ID: M-15120

UTILITY PLAN

DRAWING:

**C-5** 





# Appendix E



Table 1: 856 North Old Woodward Ave, Birmingham - Eligible Activities Cost Estimate	s (incl. School Tax	(Capture)									
Item/Activity	Brownfield Greenfield Unit Cost Item/Activity Quantity Quantity Units (Brownfield)		Unit Cost (Greenfield)	Brownfield (Contaminated) Site Cost	(Unco	Greenfield ontaminated) Site Cost	Brov	Eligible wnfield Cost t difference)			
Baseline Environmental Assessments					10.155.00				0.000		444==
(a) Phase I ESA, Phase II ESA, BEA, DDCC	1	0	ea	\$	16,155.00	\$ 2,000.00	\$ 16,155	\$	2,000	\$	14,155
Due Care Activities	1			T		I	I	1		_	
(a) Excavation of hazardous material	6,705	6,705	tons	\$	63.35	\$ 23.00	\$ 424,762	2 \$	154,215	\$	270,547
(b) Transportation of contaminated soils											
Transport of soil to a Type II Landfill	13,390	13,390	tons	\$	7.00	\$0.00			-	\$	93,730
Transport of hazardous material	6,705	6,705	tons	\$	47.55	\$0.00	\$ 318,823	\$	-	\$	318,823
(c) Disposal of contaminated soils											
Disposal of soil to a Type II Landfill	13,390	13,390	tons	\$	11.50	\$0.00	\$ 153,985	\$	-	\$	153,985
Disposal of hazardous material	6,705	6,705	tons	\$	150.00	\$0.00	\$ 1,005,750	\$	-	\$	1,005,750
(d) Excavation Equipment Decon and Decon Wastewater Handling	1	-	ea	\$	7,500.00	\$0.00	\$ 7,500	\$	-	\$	7,500
(e) Additional delienation and sampling of Tetrachloroethylene soil concentrations											
Mobilization, onsite labor for oversight, screening, and sample collection	1	0	ea	\$	2,550.00	\$0.00	\$ 2,550	\$	-	\$	2,550
Consultant equipment and supplies	1	0	ea	\$	600.00	\$0.00			-	\$	600
Data evaluation and project management for reporting	1	0	ea	\$	3,500.00	\$0.00			-	\$	3,500
Drilling and operations	1	0	ea	\$	5,275.00	\$0.00			-	\$	5,275
Lab analysis of 36 samples for VOCs Project management associated with hazardous material	36 1	0	samples ea	\$	70.00 7,500.00	\$0.00 \$0.00			- 1	\$ \$	2,520 7,500
Project management associated with nazardous material	'	0	Ca	φ	7,300.00	φ0.00	φ 7,500	Ψ	-	Ψ	7,500
(f) Associated excavation oversight, excavation verification sampling, and reporting											
Mobilization, oversight, and sample collection	1	0	ea	\$	12,375.00	\$0.00			-	\$	12,375
Consultant equipment and supplies	1	0	ea	\$	1,200.00	\$0.00			-	\$	1,200
Data Evaluation, project management, and report preparation	1	0	ea	\$	4,500.00	\$0.00			-	\$	4,500
Sampling for VOCs, PNAs, PCBs, Michigan 10 metals Up to one sample for TCLP	28	0	samples samples	\$	350.00 600.00	\$0.00 \$0.00			-	\$	9,800 600
op to one sample for Tole	'	U	Samples	φ	000.00	φυ.υυ	\$ -	\$		φ	000
(g) Management and disposal of up to 30,000 gallons of contaminated groundwater							\$ -	\$	-		
On-site storage management	1	1	ea	\$	7,500.00	\$0.00	\$ 7,500	\$	-	\$	7,500
Disposal	30,000	30,000	gallons	\$	1.40	\$0.01	\$ 42,000	\$	240	\$	41,760
(h) Installation of a vapor harrier and goalests registant to chamical broakdown											
(h) Installation of a vapor barrier and gaskets resistant to chemical breakdown     Installation of chemically resistant gaskets	10	n	ea	\$	1,000.00	\$0.00	\$ 10,000	\$	_ !	\$	10,000
Design, bid specification, and coordination	1 1	0	ea	\$	5,000.00	\$0.00			_	\$	5,000
Vapor barrier installation and initial testing	1	0	ea	\$	125,000.00	\$0.00			-	\$	125,000
Vapor installation oversight	1	0	ea	\$	10,000.00	\$0.00			-	\$	10,000
Post installation testing	1	0	ea	\$	7,500.00	\$0.00			-	\$	7,500
Project management and reporting	1	0	ea	\$	15,000.00	\$0.00	\$ 15,000	\$	-	\$	15,000
(i) Costs associated with project management brownfield financial management	1	0	ea	\$	3,000.00	\$0.00	\$ 3,000	\$	-	\$	3,000
(j) Post-construction due care plan and associated management and reporting	1	0	ea	\$	5,000.00	\$0.00	\$ 5,000	\$	-	\$	5,000
									Sub-total	\$	2,130,515
Preparation of Brownfield Plan										_	
(a) Brownfield Plan/381 Workplan	1	0	ea	\$	9,000.00	\$ -	\$ 9,000	\$	-	\$	9,000
Project Sub-Total											\$2,153,670
15% Contingency*										\$	319,577
Project Sub-Totals with Contingency											\$2,473,247
3% Interest	_									\$	508,364
Total Cost of Developer Eligible Activities to be Funded Through TIF										\$	2,981,610
BRA Requested Deduction										\$	325,000
Revised Total										Ť	
										\$	2,656,610

<sup>\*</sup>Excludes contingencies for Baseline Environmental Assessment Activities and Brownfield Plan Preparation

		2017	2018 YR1	2019 YR2	2020 YR3	2021 YR4	2022 YR5	2023 YR6	2024 YR7	2025 YR8	2026 YR9	2027 YR10	2028 YR11		2029 YR12	2030 YR13	2031 YR14	New Est.Taxes Generated in Yrs 1-10	New Est.Taxes Generated Yrs 13
Base Taxable Value Estimated New Taxable Value (estimated increase of 1%/year)		\$ 322,450 \$	322,450 \$ 2.500.000 \$	322,450 \$ 5.000.000 \$	322,450 \$ 5,050,000 \$	322,450 \$ 5.100.500 \$	322,450 \$ 5,151,505 \$	322,450 \$ 5,203,020 \$	322,450 \$ 5,255,050 \$	322,450 \$ 5,307,601 \$	322,450 \$ 5,360,677 \$	322,450 5,414,284	\$ 322, \$ 5,468,		322,450 \$ 5,523,111 \$	322,450 \$ 5,578,342 \$	322,450 5,634,125		
Incremental Difference (New Taxable Value minus Taxable Value)		\$	2,177,550 \$	.,,	4,727,550 \$	., ,	4,829,055 \$	4,880,570 \$	4,932,600 \$	4,985,151 \$	5,038,227 \$	5,091,834			5,200,661 \$				
Local Taxes - Millage																			
City Millages (13.4630 mills)																			
City Operating	11.1843	\$	24,354 \$	52,315 \$	52,874 \$	53,439 \$	54,010 \$	54,586 \$	55,168 \$	55,755 \$	56,349 \$	56,949	\$ 57.	554 \$	58,166 \$	58,783 \$	59,407	\$ 515,799	\$ 665,948
Refuse	0.8687	\$	1,892 \$	4,063 \$	4,107 \$	4,151 \$	4,195 \$	4,240 \$	4,285 \$	4,331 \$	4,377 \$	4,423		170 \$	4,518 \$	4,566 \$	4,614		\$ 51,725
Library	1.4100	\$	3.070 \$	6,595 \$	6,666 \$	6,737 \$	6,809 \$	6,882 \$	6,955 \$	7,029 \$	7,104 \$	7,179		256 \$	7,333 \$	7,411 \$	7,489		\$ 83,956
Total City Millages	13.4630	\$	29,316 \$	62,974 \$	63,647 \$	64,327 \$	65,014 \$	65,707 \$	66,408 \$	67,115 \$	67,830 \$	68,551		280 \$	70,016 \$	70,760 \$	71,511		\$ 801,629
County Millages (10.4059 mills)																			
County Operating	4.0400	· ·	8,797 \$	18,897 \$	19,099 \$	19,303 \$	19,509 \$	19,718 \$	19,928 \$	20,140 \$	20,354 \$	20,571	e 20	790 \$	21,011 \$	21,234 \$	21,459	\$ 186,317	\$ 240,554
OIS Allocated	0.1985	\$	432 \$	928 \$	938 \$	948 \$	959 \$	969 \$	979 \$	990 \$	1,000 \$	1,011		021 \$	1,032 \$	1,043 \$	1,054		\$ 11,819
	l I	φ o																	
OIS Voted	3.1413	\$	6,840 \$	14,694 \$	14,851 \$	15,009 \$	15,170 \$	15,331 \$	15,495 \$	15,660 \$	15,827 \$	15,995		165 \$	16,337 \$	16,510 \$	16,686		\$ 187,043
OCC Voted	1.5707	\$	3,420 \$	7,347 \$	7,426 \$	7,505 \$	7,585 \$	7,666 \$	7,748 \$	7,830 \$	7,914 \$	7,998		083 \$	8,169 \$	8,255 \$	8,343		\$ 93,524
County Pk & Rec	0.2410	\$	525 \$	1,127 \$	1,139 \$	1,152 \$	1,164 \$	1,176 \$	1,189 \$	1,201 \$	1,214 \$	1,227		240 \$	1,253 \$	1,267 \$	1,280		\$ 14,350
HCMA	0.2146	\$	467 \$	1,004 \$	1,015 \$	1,025 \$	1,036 \$	1,047 \$	1,059 \$	1,070 \$	1,081 \$	1,093		104 \$	1,116 \$	1,128 \$	1,140		\$ 12,778
OCPTA	0.9998	\$	2,177 \$	4,677 \$	4,727 \$	4,777 \$	4,828 \$	4,880 \$	4,932 \$	4,984 \$	5,037 \$	5,091		145 \$	5,200 \$	5,255 \$	5,311	\$ 46,109	\$ 59,531
Total County Millages	10.4059	\$	22,659 \$	48,674 \$	49,194 \$	49,720 \$	50,251 \$	50,787 \$	51,328 \$	51,875 \$	52,427 \$	52,985	\$ 53,	549 \$	54,118 \$	54,692 \$	55,273	\$ 479,901	\$ 619,600
Total Local Taxes (capturable)	23.8689	\$	51,976 \$	111,648 \$	112,841 \$	114,047 \$	115,264 \$	116,494 \$	117,736 \$	118,990 \$	120,257 \$	121,536	<b>\$</b> 122,	329 \$	124,134 \$	125,452 \$	126,784	\$ 1,100,789	\$ 1,421,229
School Taxes																			
School Operating	18.0000	\$	39,196 \$	84,196 \$	85,096 \$	86,005 \$	86,923 \$	87,850 \$	88,787 \$	89,733 \$	90,688 \$	91,653	\$ 92,	528 \$	93,612 \$	94,606 \$	95,610	\$ 830,126	\$ 1,071,776
SET	6.0000	\$	13,065 \$	28,065 \$	28,365 \$	28,668 \$	28,974 \$	29,283 \$	29,596 \$	29,911 \$	30,229 \$	30,551	\$ 30,	376 \$	31,204 \$	31,535 \$	31,870	\$ 276,709	\$ 357,259
Total School Taxes	24.0000	\$	52,261 \$	112,261 \$	113,461 \$	114,673 \$	115,897 \$	117,134 \$	118,382 \$	119,644 \$	120,917 \$	122,204	\$ 123,	503 \$	124,816 \$	126,141 \$	127,480	\$ 1,106,835	\$ 1,429,035
Non-Capturable Millages																			
School Debt	3.9000	\$	8,492 \$	18,242 \$	18,437 \$	18,634 \$	18,833 \$	19,034 \$	19,237 \$	19,442 \$	19,649 \$	19,858	\$ 20,	069 \$	20,283 \$	20,498 \$	20,716	\$ 179,861	\$ 232,218
City Debt	1.2984	\$	2,827 \$	6,073 \$	6,138 \$	6,204 \$	6,270 \$	6,337 \$	6,404 \$	6,473 \$	6,542 \$	6,611	\$ 6.	82 \$	6,753 \$	6,824 \$	6,897	\$ 59,880	\$ 77,311
Zoo Authority	0.0998	\$	217 \$	467 \$	472 \$	477 \$	482 \$	487 \$	492 \$	498 \$	503 \$	508		514 \$	519 \$	525 \$	530		\$ 5,942
Art Institute	0.1996	\$	435 \$	934 \$	944 \$	954 \$	964 \$	974 \$	985 \$	995 \$	1,006 \$	1,016		027 \$	1,038 \$	1,049 \$	1,060		\$ 11,885
Total Non-Capturable Millages	5.4978	\$	11,972 \$	25,716 \$	25,991 \$	26,269 \$	26,549 \$	26,832 \$	27,118 \$	27,407 \$	27,699 \$	27,994		292 \$	28,592 \$	28,896 \$	29,203		\$ 327,356
Local Annual Tax Increment Revenue	+	\$	51,976 \$	111,648 \$	112,841 \$	114,047 \$	115,264 \$	116,494 \$	117,736 \$	118,990 \$	120,257 \$	121,536	\$ 122.	329 \$	124,134 \$	125,452 \$	126,784		
3 Mills of SET to State Brownfield Redevelopment Fund	3.0000	Š	6,533 \$	14,033 \$	14,183 \$	14,334 \$	14,487 \$	14,642 \$	14,798 \$	14,955 \$	15,115 \$	15,276		438 \$	15,602 \$	15,768 \$	15,935		
School Annual Tax Increment Revenue (after State BF Fund)	0.0000	Š	45,729 \$	98,229 \$	99,279 \$	100,339 \$	101,410 \$	102,492 \$	103,585 \$	104,688 \$	105,803 \$	106,929		066 \$	109,214 \$	110,374 \$	111,545		
Annual Tax Increment Revenue		ų e	97.704 \$	209,877 \$	212,120 \$	214,386 \$	216,674 \$	218,986 \$	221,320 \$	223,678 \$	226,060 \$	228,465	\$ 230,		233.348 \$	235,826 \$	238,329		
Annual Cumulative Incremental Taxes		\$	97,704 \$	307,581 \$	519,701 \$	734,087 \$	950,761 \$		1,391,067 \$	1,614,745 \$	1,840,805 \$	2,069,270			2,533,512 \$	2,769,338 \$			
MDEQ Reimbursed Expenses (including 3% interest) Total Local Taxes City Contribution County Contribution Total School Taxes		\$ \$ \$	29,316 \$ 22,659 \$ 45,729 \$	62,974 \$ 48,674 \$ 98,229 \$ <b>2,349,029 \$</b>	63,647 \$ 49,194 \$ 99,279 \$	64,327 \$ 49,720 \$ 100,339 \$	65,014 \$ 50,251 \$ 101,410 \$	65,707 \$ 50,787 \$ 102,492 \$ <b>1,486,863 \$</b>	66,408 \$ 51,328 \$ 103,585 \$	67,115 \$ 51,875 \$ 104,688 \$ <b>1,041,865</b> \$	67,830 \$ 52,427 \$ 105,803 \$ <b>815,805</b> \$	68,551 52,985 106,929 <b>587,340</b>		280 \$ 549 \$ 066 \$	70,016 \$ 54,118 \$ 109,214 \$	34,621 26,759 61,717		\$ 794,806 \$ 614,326 \$ 1,247,478 \$ 4,065,742	

Tax Ratio	Millages	Percentage				
Local Tax	23.8689	49.86%				
City	13.4630	28.12%				
County	10.4059	21.74%				
School Tax	24.0000	50.14%				
Total	47.8689	100.00%				

Proposed 10-year tax capture limit, as imposed by the BBRA