INGHAM COUNTY BOARD OF COMMISSIONERS **May 27, 2014**
REGULAR MEETING – 6:30 P.M.
COMMISSIONERS' ROOM, COURTHOUSE
MASON, MICHIGAN

AGENDA

I. CALL TO ORDER

II. ROLL CALL

III. PLEDGE OF ALLEGIANCE

IV. TIME FOR MEDITATION

V. APPROVAL OF THE MINUTES OF **May 13, 2014**

VI. ADDITIONS TO THE AGENDA

VII. PETITIONS AND COMMUNICATIONS

1. A NOTICE OF PUBLIC HEARING FOR THE CITY OF LANSING

VIII. LIMITED PUBLIC COMMENT

IX. CLARIFICATION/INFORMATION PROVIDED BY COMMITTEE CHAIR

X. CONSIDERATION OF CONSENT AGENDA

XI. COMMITTEE REPORTS AND RESOLUTIONS

2. COUNTY SERVICES COMMITTEE – RESOLUTION TO APPROVE THE SPECIAL AND ROUTINE PERMITS FOR THE INGHAM COUNTY ROAD DEPARTMENT

3. COUNTY SERVICES COMMITTEE – RESOLUTION HONORING WADE ALEXANDER YAUK

4. COUNTY SERVICES COMMITTEE - RESOLUTION HONORING BENJAMIN MICHAEL THOENES

5. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION TO AUTHORIZE THE INGHAM COUNTY BOARD OF COMMISSIONERS TO FILE A PETITION WITH THE INGHAM COUNTY DRAIN COMMISSIONER FOR MAINTENANCE AND IMPROVEMENTS TO THE MONTGOMERY

DRAIN (ALSO KNOWN AS THE MONTGOMERY DRAIN EXTENSION)

6. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING A CONTRACT FOR MICROFILM AND INDEXING SERVICES FOR THE REGISTER OF DEEDS

7. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING THE UTILIZATION OF GRANT MATCHING FUNDS FOR THE LAKE LANSING PARK-SOUTH BEACH HOUSE RENOVATION PROJECT

8. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING THE SIGNING OF A ROAD ASSESSMENT PETITION FOR THE PAVEMENT OF A GRAVEL PORTION OF PERRY ROAD

9. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION APPROVING THE INGHAM COUNTY BROWNFIELD AUTHORITY BROWNFIELD PLAN FOR THE NEW DUNKIN DONUTS/SUNOCO DEVELOPMENT LOCATED AT 3340 OKEMOS ROAD AND 2221 UNIVERSITY PARK DRIVE ALAIEDON TOWNSHIP, MICHIGAN

10. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION TO AUTHORIZE THE ESTABLISHMENT OF A DEPUTY INFORMATION OFFICER AND PROJECT MANAGER IN THE INNOVATION & TECHNOLOGY DEPARTMENT

11. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING A PURCHASE ORDER TO SUNRISE SEAMLESS, LLC TO REPLACE THE GUTTERS AND DOWNSPOUTS AT THE INGHAM COUNTY ANNEX BUILDING

12. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING A CONTRACT WITH VJM DESIGN AND BUILD CORPORATION TO PROVIDE ASPHALT ROOF REPLACEMENT ON PAVILION II AT POTTER PARK

13. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION TO APPROVE A SECOND PARTY AGREEMENT BETWEEN THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) AND THE INGHAM COUNTY ROAD DEPARTMENT IN RELATION TO A ROAD RECONSTRUCTION PROJECT FOR BENNETT ROAD FROM HAGADORN ROAD TO OKEMOS ROAD

14. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING AN AGREEMENT WITH MICHIGAN STATE UNIVERSITY

FOR MCHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY GRANT FUNDED USE OF CRUMB RUBBER MODIFIED ASPHALT PAVING MIXTURE FOR THE ROAD DEPARTMENT

15. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION TO APPROVE A SECOND PARTY AGREEMENT BETWEEN THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) AND THE INGHAM COUNTY ROAD DEPARTMENT IN RELATION TO INTERSECTION RECONSTRUCTION PROJECTS LOCATED AT THE COLLEGE ROAD AND KIPP ROAD INTERSECTION, WILLIAMS ROAD AND DECAMP ROAD INTERSECTION, AND THE WILLIAMS ROAD AND FOGG ROAD INTERSECTION

16. COUNTY SERVICES AND FINANCE COMMITTEES – RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF SAND AND GRAVEL FOR THE INGHAM COUNTY ROAD DEPARTMENT

17. COUNTY SERVICES AND FINANCE COMMITTEES - RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF 29A AGGREGATE FOR THE INGHAM COUNTY ROAD DEPARTMENT

18. HUMAN SERVICES, COUNTY SERVICES AND FINANCE COMMITTEES - RESOLUTION AUTHORIZING THE INGHAM COUNTY BUILDING AUTHORITY TO PROCEED WITH THE HEALTH DEPARTMENT RENOVATIONS TO THE HUMAN SERVICES BUILDING AND TO AUTHORIZE A CONTRACT WITH THE ARCHITECTURAL AND ENGINEERING FIRM OF HOBBS AND BLACK TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES FOR THE RENOVATION PROJECT

19. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION APPROVING CRITERIA FOR EVALUATING 2015 APPLICATIONS FOR COMMUNITY AGENCY FUNDING

20. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION TO AUTHORIZE LEASE AGREEMENT FOR 1115 SOUTH PENNSYLVANIA AVENUE, LANSING FOR A HEALTH CENTER SITE

21. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION TO ACCEPT HEALTH CENTER CAPITAL DEVELOPMENT FINANCIAL ASSISTANCE FROM THE MICHIGAN PRIMARY CARE ASSOCIATION

22. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION TO AUTHORIZE AMENDMENT #2 TO THE 2013-2014 COMPREHENSIVE AGREEMENT WITH THE MICHIGAN DEPARTMENT OF COMMUNITY

HEALTH

23. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION TO AMEND THE COLLABORATIVE AGREEMENT WITH THE CAPITAL AREA UNITED WAY

24. HUMAN SERVICES AND FINANCE COMMITTEES - RESOLUTION TO UPDATE AUTHORIZED SIGNERS OF FORMS 855A AND 855B

25. LAW & COURTS, COUNTY SERVICES AND FINANCE COMMITTEES - RESOLUTION TO AUTHORIZE CONTINUATION OF THE FULL-TIME VOLUNTEER ASSISTANT POSITION FOR THE PURPOSE OF ENSURING THE SUSTAINABILITY OF DEPARTMENT PROGRAMS AND PRIVATE FUNDING SOURCES AT THE ANIMAL CONTROL DEPARTMENT

26. LAW & COURTS AND FINANCE COMMITTEES - RESOLUTION TO ACCEPT THE FY 2014 MICHIGAN MENTAL HEALTH COURT GRANT PROGRAM PLANNING GRANT, CREATE A GRANT FUNDED THREE-QUARTER TIME ICEA COURT PROFESSIONAL 5 MENTAL HEALTH COURT – COURT SERVICES COORDINATOR POSITION AND ENTER INTO SUBCONTRACTS

XII. SPECIAL ORDERS OF THE DAY

XIII. PUBLIC COMMENT

XIV. COMMISSIONER ANNOUNCEMENTS

XV. CONSIDERATION AND ALLOWANCE OF CLAIMS

XVI. ADJOURNMENT

THE COUNTY OF INGHAM WILL PROVIDE NECESSARY REASONABLE AUXILIARY AIDS AND SERVICES, SUCH AS INTERPRETERS FOR THE HEARING IMPAIRED AND AUDIO TAPES OF PRINTED MATERIALS BEING CONSIDERED AT THE MEETING FOR THE VISUALLY IMPAIRED, FOR INDIVIDUALS WITH DISABILITIES AT THE MEETING UPON FIVE (5) WORKING DAYS NOTICE TO THE COUNTY OF INGHAM. INDIVIDUALS WITH DISABILITIES REQUIRING AUXILIARY AIDS OR SERVICES SHOULD CONTACT THE COUNTY OF INGHAM IN WRITING OR BY CALLING THE FOLLOWING: INGHAM COUNTY BOARD OF COMMISSIONERS, P.O. BOX 319, MASON, MI 48854, 517-676-7200.

PLEASE TURN OFF CELL PHONES AND OTHER ELECTRONIC DEVICES OR SET TO MUTE OR VIBRATE TO AVOID DISRUPTION DURING THE MEETING

FULL BOARD PACKETS ARE AVAILABLE AT: www.ingham.org

Board of Commissioners Room – Courthouse
Mason – 6:30 p.m.
May 13, 2014

CALL TO ORDER:

Chairperson Celentino called the May 13, 2014 Regular Meeting of the Ingham County Board of Commissioners to order at 6:30 p.m.

Members Present at Roll Call: Anthony, Bahar-Cook, Celentino, Holman, Hope, Koenig (arrived at 6:31 p.m.), Maiville, Nolan, Schafer, Tennis, Tsernoglou and Vickers.

Members Absent: Crenshaw and McGrain.

A quorum was present.

PLEDGE OF ALLEGIANCE:

Chairperson Celentino asked Peter Cohl, Ingham County Attorney, to lead the Board in the Pledge of Allegiance.

MEDIATION:

Chairperson Celentino asked those present to remain standing for a moment of silence or prayer.

APPROVAL OF MINUTES OF APRIL 29, 2014:

Commissioner Hope moved to approve the minutes of the April 29, 2014 meeting. Commissioner Anthony seconded the motion.

Motion to approve the minutes carried unanimously. Absent: Commissioners Crenshaw and McGrain.

ADDITIONS TO THE AGENDA:

None.

PUBLIC HEARING:

Chairperson Celentino asked if anyone would like to address the Board during the public hearing for the Brownfield Plan for the new Dunkin Donuts/Sunoco Development located at 3440 Okemos Road and 2221 University Park Drive, Alaiedon Township, Michigan.

Sandy Gower, Economic Development Director, addressed the Board and provided brief information regarding the Brownfield Plan. She highlighted the plan's approval process so far and stated that she has not received any complaints yet.

Commissioner Vickers asked if the current gas station on the corner will be demolished.

Ms. Gower stated that it is the hope that something else will be developed on the corner.

PETITIONS AND COMMUNICATIONS:

A letter from CATA regarding its attached 2013 annual report. Accepted and placed on file.

A letter from the City of Lansing regarding Life O'Riley. Referred to Human Services Committee.

A letter from East Lansing residents supporting a new transportation linear facility for non-motorized users on the Okemos Road bridge over I-96. Referred to County Services Committee.

A notice of hearing from Delhi Charter Township for application for industrial facilities exemption certificate by Orchid Orthopedic Solutions, LLC. Referred to Finance Committee.

A letter from the City of Mason regarding the City of Mason Master Plan Update 2014 – Notice of Adoption. Placed on file.

An e-mail from Barbara Holz stating her resignation from the Ingham County Equal Opportunity Committee. Accepted and placed on file.

Letter from the City of East Lansing regarding the Brownfield Development Authority plan #18 – Trowbridge Plaza. Referred to Finance Committee.

LIMITED PUBLIC COMMENT:

Sherrie Graham, Potter Park Zoo, addressed the Board and reported the Accreditation Committee voted to accept the progress report of the Potter Park Zoo and that no additional reports are needed until 2017. Ms. Graham also gave an update on attendance at the Zoo on Mother's Day and reminded the Commissioners of the Wine and Stein event scheduled at the Zoo for May 15th.

CLARIFICATION/INFORMATION PROVIDED BY COMMITTEE CHAIR:

There were no comments from the Committee Chairs.

CONSIDERATION OF CONSENT AGENDA:

Commissioner Maiville moved to adopt a consent agenda consisting of all action items, except Item No. 16. Commissioner Vickers seconded the motion.

Motion carried unanimously. Absent: Commissioners Crenshaw and McGrain.

Items on the consent agenda were adopted by unanimous roll call vote. Items voted on separately are so noted in the minutes. Absent: Commissioners Crenshaw and McGrain.

ADOPTED - May 13, 2014
Agenda Item No. 7

Introduced by County Services Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE RENAMING OF THE MANAGEMENT INFORMATION SYSTEMS DEPARTMENT

RESOLUTION # 14 – 190

WHEREAS, the Chief Information Officer has proposed renaming of the Management Information Systems department; and

WHEREAS, the proposed renaming of the department supports execution of strategies designed to actuate an office automation focus, assure back-end/infrastructure support, and improve project/program management; and

WHEREAS, renaming the department to the "Department of Innovation and Technology" (IT) offers a better description of the department and goals of Ingham County and current and anticipated technological trends.

THEREFORE BE IT RESOLVED, that the Management Information Systems Department shall be renamed the Department of Innovation and Technology.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 8

Introduced by the County Services Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE THE SPECIAL AND ROUTINE PERMITS FOR THE INGHAM COUNTY ROAD DEPARTMENT

RESOLUTION # 14 – 191

WHEREAS, as of July 23, 2013, the Ingham County Department of Transportation and Roads became the Ingham County Road Department per Resolution #13-289; and

WHEREAS, the Ingham County Road Commission periodically approved Special and Routine permits as part of the their roles and responsibilities; and

WHEREAS, this is now the responsibility of the Board of Commissioners to approve these permits as necessary.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners approves the attached list of Special and Routine Permits dated April 24, 2014 as submitted.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

Adopted as part of the consent agenda.

INGHAM COUNTY ROAD DEPARTMENT

DATE: April 24, 2014

LIST OF CURRENT PERMITS ISSUED

R/W PERMIT#	R/W APPLICANT /CONTRACTOR	R/W WORK	R/W LOCATION	R/W CITY/TWP.	R/W SECTION
2014-125	EDS IRRIGATION	ANNUAL LAWN / SPRINKLER	VARIOUS	VARIOUS	
2014-126	FRONTIER	CABLE / UG	MAIN ST & DEXTER TR	STOCKBRIDGE	23
2014-127	AT & T	CABLE / UG	LEGACY PKWY BET PINE TREE RD & BELLE CHASE WAY	DELHI	2
2014-128	AT & T	CABLE / UG	GREEN RD & HASLETT RD	MERIDIAN	12
2014-129	BRIAN DODDS	LANDSCAPING	CATHOLIC CHURCH RD BET MERIDIAN RD & WILLIAMS RD	BUNKER HILL	8
2014-136	CONSUMERS ENERGY	GAS	CEDAR ST & HOGSBACK RD	ALAIEDON	31
2014-137	CONSUMERS ENERGY	GAS	BISCAYNE WAY BET WOODVILLE RD & CADE ST	MERIDIAN	11
2014-146	WILCOX FARMS	AGRICULTURAL MULTIPLE MOVE	VARIOUS	INGHAM	
2014-147	D.F. SEEDS INC	AGRICULTURAL MULTIPLE MOVE	VARIOUS	ALAIEDON	
2014-148	WILLIAMSTOWN TOWNSHIP	SPECIAL EVENT	VARIOUS	VARIOUS	

ADOPTED - May 13, 2014
Agenda Item No. 9

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE A CONTRACT BETWEEN THE MICHIGAN DEPARTMENT OF TRANSPORTATION AND THE INGHAM COUNTY ROAD DEPARTMENT IN RELATION TO THE MICHIGAN AVENUE RECONSTRUCTION PROJECT

RESOLUTION # 14 – 192

WHEREAS, the Ingham County Road Department (ICRD) received $1,700,000 of State of Michigan, Road and Risk Reserve funding, to reconstruct Michigan Avenue from Waverly Road to Clare Street; and

WHEREAS, the Michigan Department of Transportation (MDOT) is administering the Road and Risk Reserve Program for the State of Michigan; and

WHEREAS, the funding will come to the county as a lump sum grant and can be used to pay all project associated costs, including preliminary (design) engineering, right-of-way acquisition, construction engineering, and construction costs; and

WHEREAS, the programming application has been submitted and the MDOT/ICRD contract has been forwarded to the county for execution; and

WHEREAS, once the contract is in place, ICRD will request the lump sum grant payment and proceed toward implementing the project.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes entering into a contract with State of Michigan/MDOT to implement the project.

BE IT FURTHER RESOLVED, that the Chairperson of the Ingham County Board of Commissioners is hereby authorized to sign any necessary contract documents, on behalf of the County, after approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 10

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO EXECUTE A LINE OF SIGHT EASEMENT BETWEEN CASE CREDIT UNION AND THE INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION # 14 – 193

WHEREAS, the Eastwood Towne Center's Downtown Development Authority, Walmart Stores, Inc., and their consultant have been working with Ingham County Road Department staff to design and construct a new driveway to the center off Wood Road; and

WHEREAS, an acceptable driveway design has been developed that requires re-grading of a small portion of the adjacent Case Credit Union property between the new driveway and the existing modern roundabout at Wood Road and Sam's Way; and

WHEREAS, the required re-grading is within the Case Credit Union property and line of sight must be maintained for safe operation of the driveway, staff required a recorded easement to ensure the line of sight was maintained for the life of the driveway.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the Board Chairperson to sign and execute the line of sight easement, consistent with this resolution, and approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 11

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF BITUMINOUS SURFACE MIXTURE FOR THE ROAD DEPARTMENT

RESOLUTION # 14 – 194

WHEREAS, the Road Department annually purchases approximately 10,000 to 18,000 tons of bituminous surface mixture (asphalt) for placement by Road Department crews in various road maintenance operations and in the Local Road Program; and

WHEREAS, the Department of Transportation and Roads adopted 2014 budget includes in controllable expenditures, funds for this and other maintenance material purchases; and

WHEREAS, bids for maintenance asphalt were solicited and evaluated by the Ingham County Purchasing Department per Request for Proposals (RFP) #54-14, and it is their recommendation, with the concurrence of Road Department staff, to award this bid and purchase asphalt on an as-needed, unit price basis from all 3 responding bidders based on Road Department staff's judgment as to which supplier is most advantageous to the County for any given operation based on combination of bid unit price, supplier proximity to the work being performed at the time and availability of required material.

THEREFORE BE IT RESOLVED, the Board of Commissioners accepts the bids, and authorizes the purchase of bituminous surface mixture (asphalt) on an as-needed, unit price basis from all three respondents to RFP #54-14 based on Road Department staff's judgment as to which supplier is most advantageous to the County for any given operation based on combination of bid unit price, supplier proximity to the work being performed at the given time and availability of required material, as shown in the following table:

Company Name	Bituminous Mix 13A Approx. 12,000 Tons		Bituminous Mix 36A Approx. 6,000 Tons		Total Bid Price	Plant Location	Local
	Unit Price	Est. Total Amount	Unit Price	Est. Total Amount			
Lansing Asphalt / Division of Superior Asphalt, Inc.	$47.00	$564,000	$50.00	$300,000	$864,000	3888 S. Canal, Lansing MI	N
Michigan Paving & Materials Company	$42.00	$504,000	$45.00	$270,000	$774,000	16777 Wood St, Lansing MI	N
Rieth Riley Construction Co., Inc.	$41.25	$495,000	$44.25	$265,500	$760,500	Kipp Rd, Mason OR Creyts Rd, Lansing	Y

BE IT FURTHER RESOLVED, that the Road Department and Purchasing Department are hereby authorized to execute purchase orders with all three above listed suppliers and purchase asphalt material as needed and budgeted.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 12

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF ASPHALT EMULSIONS FOR THE ROAD DEPARTMENT

RESOLUTION # 14 – 195

WHEREAS, the Road Department annually purchases various types of asphalt emulsion (asphalt oil suspended in water) for placement by Road Department crews in various road maintenance operations and in the Local Road Program in the following approximate, estimated quantities and for the following purposes: SS-1h for asphalt pavement tack (bond) coat—3,000 gallons, HFRS-2M for chip-sealing sealer—350,000 gallons, HFRS-2 for chip-sealing sealer—as needed where HFRS-2M may not be necessary, AE-90 for spray-patching oil—20,000 gallons, CM-300 for on-site manufacturing of cold patch---16,000 gallons; and

WHEREAS, the Road Department adopted 2014 budget includes, in controllable expenditures, funds for this and other maintenance material purchases; and

WHEREAS, bids for the various types of asphalt emulsions were solicited and evaluated by the Ingham County Purchasing Department per Request for Proposals (RFP) #58-14, and it is their recommendation, with the concurrence of Road Department staff, to award this bid in split form and to purchase the SS-1H and AE-90 asphalt emulsions on an as-needed, plant pickup, unit price basis from Terry Materials Inc. based on their lowest qualified bid and/or logistically practical plant location and to award HFRS-2 (if needed), HFRS-2M and CM-300 asphalt emulsions on an as-needed, delivered, unit price basis from Asphalt Materials Inc. (Pricing included on the bid tab below)

THEREFORE BE IT RESOLVED, the Board of Commissioners accepts the bids and authorizes the purchase of the various types of asphalt emulsions on an as-needed, unit price basis from Terry Materials, Inc. and Asphalt Materials, Inc. based on their lowest qualified bid and/or logistically practical plant location for the selected various types of asphalt emulsions as shown in the table below.

Vendor	SS-1H Plant Pick up	HFRS-2 Delivery	HFRS-2M Delivery	AE-90 Plant Pickup	CM-300 Delivered to Metro Garage	Total Cost for SS-1H	Total Cost for HFRS-2	Total Cost for HFRS-2M	Total Cost for AE-90	Local
Terry Asphalt Materials Inc[1]	$2.07	$1.91	$2.21	$2.03	No Bid.	$6,300.	TBD	$773,570	$40,600	No – Alma, MI

Asphalt Materials Inc.	$3.00	$1.875	$2.0752	$1.80	$3.3638 Total cost $53,820.	$9,000	TBD	$726,320	$36,000	No- Oregon, Ohio
Bit-Mat Products	$2.10	$2.10	$2.15	$2.10	No Bid	$6,300	TBD	$752.500	$42,000	No- Bay City MI

BE IT FURTHER RESOLVED, that the Road Department and Purchasing Department are hereby authorized to execute purchase orders accordingly with Terry Materials, Inc. and Asphalt Materials, Inc., and purchase asphalt emulsions as needed and budgeted.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 13

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO RETAIN AS-NEEDED MATERIAL TESTING SERVICES WITH SOIL AND MATERIALS ENGINEERS, INC. (SME) AND PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI)

RESOLUTION # 14 – 196

WHEREAS, Ingham County Purchasing Department solicited proposals from Michigan Department of Transportation prequalified and experienced material testing firms to provide services on an as-needed basis; and

WHEREAS, the Purchasing Department advertised for the as-needed testing services and received two (2) proposals; and

WHEREAS, Road Department (ICRD) and Purchasing Department staff reviewed the proposals for adherence to county purchasing requirements, proposed unit prices, testing experience, and overall value to the county; and

WHEREAS, when retaining as-needed testing services, ICRD staff would strive to retain the lowest cost consultant whenever possible; and

WHEREAS, the Road Department and Purchasing Department staff jointly recommend that the Board of Commissioners retain both Soil and Materials Engineers, Inc. (SME) and Professional Service Industries, Inc. (PSI) to provide the as-needed material testing.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes retaining both Soil and Materials Engineers, Inc., 2663 Eaton Rapids Road, Lansing, Michigan and Professional Service Industries, Inc., 3120 Sovereign Drive, Suite C, Lansing, Michigan to provide the as-needed material testing, per the following typical unit prices:

	Professional Service Industries	Soil and Materials Engineers
Density Technician	$44.00 / hour	$60.00 / hour + mileage
Concrete Testing Technician	$44.00 / hour	$60.00 / hour + mileage
HMA Plant Technician	$44.00 / hour	$80.00 / hour + mileage
Project Manager, QA/QC	$40 / field & $20 / lab report	15% added to total

Concrete Compressive Strength	$19 / cylinder	$14 / cylinder
HMA Extraction & Gradation	$160 / sample	$250 / sample
Sieve Analysis	$70 / sample	$60 / sample

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners hereby authorizes the County Highway Engineer to retain the services through Ingham County purchase order, in accordance with the respective respondent's unit price proposals and this resolution.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 14

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AWARDING A CONTRACT TO FIBERTEC INDUSTRIAL HYGIENE SERVICES, INC. TO PROVIDE MOLD REMEDIATION EVALUATION, SPECIFICATION DEVELOPMENT, OVERSIGHT AND DESIGN SERVICES AT THE INGHAM COUNTY COURTHOUSE

RESOLUTION # 14 – 197

WHEREAS, the Ingham County Courthouse is a 107 year old building with a dirt crawlspace and little to no ventilation; and

WHEREAS, over the course of the buildings history, water has penetrated into the crawl space, on occasion, making conditions favorable for mold growth; and

WHEREAS, the Purchasing Department solicited proposals from qualified, experienced vendors who are familiar with mold remediation evaluation, specification development, oversight and design services; and

WHEREAS, both the Purchasing and Facilities Departments recommend that a contract be awarded to Fibertec Industrial Hygiene Services, Inc., a local vendor, who submitted the lowest responsive, responsible bid for an amount not to exceed $6,752.00; and

WHEREAS, the funds for said services are located within the approved CIP line item 245-90212-931000-2FC14 which has a balance of $26,200.00.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners hereby authorizes entering into a contract with Fibertec Industrial Hygiene Services, Inc. 1914 Holloway Drive, Holt, Michigan 48842 to provide mold remediation evaluation, specification development, oversight, and design services at the Ingham County Courthouse, for a cost not to exceed $6,752.00.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary documents that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 15

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION MODIFYING THE COLLECTIVE BARGAINING AGREEMENT WITH LOCAL #1499 OF THE AMERICAN FEDERATION OF STATE, COUNTY AND MUNICIPAL EMPLOYEES AFL-CIO, COUNCIL 25

RESOLUTION # 14 – 198

WHEREAS, there is an existing agreement between representatives of Ingham County and Local #1499 of the American Federation of State, County and Municipal Employees (AFSCME) AFL-CIO, Council 25 for the period January 1, 2014 through December 31, 2015; and

WHEREAS, through the grievance process there is a need to modify Article 16, Section 3 and 4 to provide clarification of the term "emergency"; and

WHEREAS, the County Attorney and the Human Resources Department have discussed the changes through grievance mediation that are needed to clarify the issue and settle the grievance; and

WHEREAS, the County Attorney prepared the attached Letter of Agreement between Ingham County and Local #1499 AFSCME, Council 25.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioner authorizes the attached Letter of Agreement, correcting and clarifying the agreement and settling the matter with Local #1499 AFSCME, Council 25.

BE IT FURTHER RESOLVED, that the Chairperson of the Board of Commissioners is authorized to sign the Letter of Agreement on behalf of the County, subject to the approval as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/6/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

LETTER OF AGREEMENT

BETWEEN
INGHAM COUNTY (Employer)
COUNCIL 25, AFSCME (Union)

WHEREAS, the Employer and the Union have entered a collective bargaining agreement with a term running from January 1, 2014, through December 31, 2015; and

WHEREAS, the Union has filed a grievance challenging a supervisor's performance of plowing during a snow storm; and

WHEREAS, the Parties are desirous of settling this matter, and addressing and clarifying certain language in the Collective Bargaining Agreement.

NOW, THEREFORE, IT IS HEREBY AGREED between the parties as follows:

1. In full and final settlement of AFSCME grievance January 17, 2014 the parties agree that:

   a. For purposes of Article 16, Section 3 and 4, the term "emergency" which would authorize non-unit supervisors or contractors to perform unit work will be defines as:

      An "emergency" is a circumstance in which the Director has reasonably concluded that a condition poses a significant public safety threat and available unit employees are being fully utilized.

   b. If the Department asserts the existence of emergency under Article 16, the Director (or designee) shall first notify the Union President of this decision and explain the basis of the decision.

   c. Recognizing the Union's claim of foregone overtime, but denying its validity, the Employer on a one-time, non-precedential basis, shall pay the gross sum of $50.00 each to the 5 least senior unit members employed as of April 15, 2014.

2. It is hereby agreed between the Employer and the Union that the provisions of this Letter of Agreement shall be effective from and after January 1, 2014, through December 31, 2015.

COUNTY OF INGHAM

_____
Victor Celentino, Chairperson
Board of Commissioners

AFSCME LOCAL 25

_____
Todd Hull, President

_____
Jerry Collie, International Representative

APPROVED AS TO FORM:
COHL, STOKER & TOSKEY, P.C.

_____
Richard McNulty

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ADOPTED - May 13, 2014
Agenda Item No. 16

Introduced by the Finance Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION UPDATING VARIOUS FEES FOR COUNTY SERVICES

RESOLUTION # 14 – 199

WHEREAS, the Board of Commissioners set various fees for county services in Resolution 02-155 based on information and recommendations of the *Maximus Cost of Services Analysis* completed in 2002; and

WHEREAS, the Board of Commissioners also established the percent of the cost of providing the services which should be recovered by such fees, referred to in this process as a "target percent"; and

WHEREAS, the Board of Commissioners has directed the Controller's Office to establish a process for the annual review of these fees and target percents; and

WHEREAS, the annual average United States' consumer price index was used as the cost increase factor; and

WHEREAS, this cost increase factor is applied to the previous year's calculated cost and multiplied by the target percent and in most cases rounded to the lower full dollar amount in order to arrive at a preliminary recommended fee for the upcoming year; and

WHEREAS, in cases where the calculated cost multiplied by target percent is much higher than the current fee, the fee will be recommended to increase gradually each year until the full cost multiplied by target percent is reached, in order to avoid any drastic increases in fees; and

WHEREAS, in cases where the calculated cost multiplied by target percent is lower than the current fee, no fee increase will be recommended for that year; and

WHEREAS, after initial recommendations are made by the Controller, these recommendations are distributed to the affected offices and departments, in order to receive their input; and

WHEREAS, after reviewing the input from the affected offices and departments, the Controller makes final recommendations to the Board of Commissioners; and

WHEREAS, the Controller's Office has finished its annual review of these fees and recommended increases where appropriate based on increased costs of providing services supported by these fees and the percent of the cost of providing the services which should be covered by such fees as established by the Board of Commissioners; and

WHEREAS, the Board of Commissioners has reviewed the Controller's recommendations including the target percentages, along with recommendations of the various county offices, departments, and staff.

THEREFORE BE IT RESOLVED, that the Board of Commissioners authorizes or encourages the following fee increases in Attachments A and B at the rates established effective January 1, 2015 with the exception of the Health Department and Friend of the Court, where new rates will be effective October 1, 2014 and the Park and Zoo winter seasonal fees which will be effective starting November 1, 2014.

BE IT FURTHER RESOLVED, that the fees within major Health Department services are not included on the attachments and were not set by the policy above, but rather through policy established in Resolutions 05-166 and 05-242.

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook
Nays: Vickers **Absent:** Schafer **Approved 5/7/14**

Commissioner Koenig moved the resolution. Commissioner Tennis seconded the motion.

Discussion.

Commissioner Schafer stated that many of the fees are excessive and that he will be voting "no" on the Resolution.

Commissioner Maiville stated that he felt the Environmental fees that dealt specifically with wells and septic were excessive.

The motion carried. **Yeas**: Anthony, Bahar-Cook, Holman, Hope, Koenig, Nolan, Tennis, Tsernoglou and Celentino. **Nays**: Maiville, Schafer and Vickers. **Absent**: Crenshaw and McGrain.

Attachment A: FEES WHICH ARE ADJUSTED

County Services Committee

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
Clerk	Expedited Svc - copies of Vital Records	100.0%	$20.00	$25.00
Drain Comm.	Topography	100.0%	$550.00	$555.00
Drain Comm.	Preliminary Comm. Site Plan Review	75.0%	$670.00	$680.00
Drain Comm.	Preliminary Plat Review	75.0%	$670.00	$680.00
Drain Comm.	Plat and Commercial Drainage Review			
Drain Comm.	Plat and Commercial Drainage Review - First acre	100.0%	$670.00	$680.00
Drain Comm.	Additional acre	100.0%	$75.00	$76.00
Drain Comm.	Plat Drain Administration Fee	75.0%	$2,300.00	$2,400.00
Drain Comm.	Drain Crossing Permits, Review (Commercial)	100.0%	$480.00	$490.00
Drain Comm.	Drain Crossing Permit- (Residential)	100.0%	$120.00	$125.00
Drain Comm.	Tap-in Permit - Commercial	75.0%	$390.00	$400.00
Drain Comm.	Soil Erosion Permit - Commercial-12 mo. Duration - 1/2 acre or less	100.0%	$580.00	$590.00
Drain Comm.	Soil Erosion (12 mo.) - Commercial- each additional acre	100.0%	$58.00	$59.00
Drain Comm.	Soil Erosion Permit - Commercial -9 mo. Duration - 1/2 acre or less	100.0%	$510.00	$520.00
Drain Comm.	Soil Erosion (9 mo.) - Commercial- each add'l acre	100.0%	$51.00	$52.00
Drain Comm.	Escrow account-1/2 acre or less	100.0%	$550.00	$555.00
Drain Comm.	Escrow account - 1/2 to 1 acre	100.0%	$1,650.00	$1,675.00
Drain Comm.	Escrow account - 1 to 5 acres	100.0%	$3,300.00	$3,350.00
Drain Comm.	Escrow account - 5 to 10 acres	100.0%	$5,500.00	$5,590.00
Drain Comm.	Escrow account - each add'l 10 acres	100.0%	$2,700.00	$2,795.00
Drain Comm.	Soil Erosion Permit-Residential-12 mo.	100.0%	$250.00	$255.00
Drain Comm.	Soil Erosion Permit - 9 month duration	75.0%	$240.00	$245.00
Drain Comm.	Soil Erosion Permit - 6 month duration	75.0%	$190.00	$200.00
Drain Comm.	Commercial Minor Disturbance Soil Erosion - Permit/Review/Inspection	75.0%	$300.00	$310.00
Drain Comm.	Violation and Cease&Desist Order	100.0%	$285.00	$290.00
Equalization	Digitally Produced Paper Maps- Parcel Layer			
Equalization	22" x 34"	100.0%	$24.00	$25.00
Equalization	28" x 40"	100.0%	$30.00	$31.00
Equalization	Digitally Produced Paper Maps- Parcel layer w/2005 Digital Photo Layer			
Equalization	11" x 17"	100.0%	$24.00	$25.00
Equalization	22" x 34"	100.0%	$49.00	$50.00
Equalization	28" x 40"	100.0%	$61.00	$62.00
Equalization	34" x 44"	100.0%	$74.00	$75.00
Equalization	Custom Maps	100.0%	$69.00	$70.00
Zoo	Shelter (Any)			
Zoo - **NEW**	School Groups & Charitable Organizations	varies	$0.00	$25.00
RoD	Register of Deeds			
RoD	Plat Administration Fee- This fee is being reduced is was being charge incorrectly and they charge $20 per State	100.0%	$100.00	$20.00
Treasurer	NSF Checks	100.0%	$30.00	$31.00

Law and Courts Committee

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
Animal Control	Enforcement/Dog License Fees			
Animal Control	Sterilized - Delinquent	25.0%	$45.00	$46.00
Animal Control	Sterilized - 3 year License	25.0%	$33.00	$34.00
Animal Control	Un-Sterilized	75.0%	$65.00	$70.00
Animal Control	Un-Sterilized - Delinquent	75.0%	$135.00	$140.00
Animal Control	Un-Sterilized - 3 year License	75.0%	$150.00	$155.00
Animal Control	Boarding Fee-Dangerous Animals	100.0%	$70.00	$75.00
Animal Control	Boarding Fee per day-others	75.0%	$30.00	$33.00
Animal Control	Adoption Fee			
Animal Control	Dogs(under six years of age)	75.0%	$71.00	$72.00
Animal Control	Cats(under six years of age)	75.0%	$61.00	$62.00
Animal Control	Cats(six years or older)	75.0%	$24.00	$25.00
Animal Control	Animal Redemption			
Animal Control	Animal Redemption - 1st offense	75.0%	$30.00	$31.00
Animal Control	Ten Dog Kennel Inspection Fee	100.0%	$150.00	$150.00
Animal Control	Over Ten Dog Kennel Inspection Fee	100.0%	$175.00	$175.00
Animal Control	Owner Surrender	100.0%	$40.00	$44.00
Animal Control	Owner Pick-up Fee	100.0%	$44.00	$45.00
Animal Control	Rabies vaccination on redeemed dogs	100.0%	15.00	20.00
Animal Control	Bordatella Vaccination-redeemed dogs	100.0%	15.00	19.00
Animal Control	Spay/neuter deposit-Owners redeeming pet	100.0%	78.00	80.00
Pros Atty	Diversion - Initial Interview	50.0%	$33.00	$34.00
Pros Atty	Diversion - Service Fee			
Pros Atty	Diversion - Misdemeanor Offender	50.0%	$440.00	$445.00
Pros Atty	Diversion - Felony Offender	50.0%	$780.00	$795.00
Pros Atty	Costs for eligible convictions - Trial	10.0%	$220.00	$225.00
Jail	Day Rate	100.0%	$52.81	$53.66
Sheriff	Costs for Command per hour	100.0%	$62.79	$63.80
Sheriff	Costs for Deputy per hour	100.0%	$55.00	$57.22
Sheriff	False Alarm Fee- third offense	100.0%	$40.00	$42.00
Sheriff	False Alarm Fee-fourth offense & subsequent/each yr	100.0%	$100.00	$105.00

Human Services Committee

Location Service	Description	Percent	Fee	Fee
Comm. Health	Conting Ed. Fee Diseased Control/Imm.	100.0%	$14.00	$15.00
Comm. Health	MIHP Tran. Bus/Van	100.0%	$33.68	$35.04
Comm. Health	MIHP - Trans Taxi	100.0%	$30.80	$32.04
Comm. Health	MIHP Trans. Volunteer	100.0%	$0.33	$0.35
Comm. Health	Compreh Envir Investigation	100.0%	$275.00	$290.00
Comm. Health	Assessment of Home	100.0%	$120.00	$125.00
Comm. Health	Immigration Physical Exams	100.0%	$190.00	$195.00
Imm. Clinic	Internat'l Travel Consult	100.0%	$60.00	$61.00
Med Examiner	Cremation Permits	100.0%	$26.00	$27.00
Med Examiner	Autopsy Report Copies (family)	100.0%	$17.00	$18.00
Med Examiner	Autopsy Report Copies (others)	100.0%	$44.00	$45.00

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
OYC	Consultation Request (per hr.)	100.0%	$71.00	$73.00
OYC	Agency Training Request- Base, 1.5 hr.	100.0%	$210.00	$212.00
OYC	Agency Training Request- Base, 2.5 hr.	100.0%	$350.00	$352.00
OYC	Agency Training Request- Base, 3.0 hr.	100.0%	$430.00	$432.00
OYC	Agency Training Request- Base, 5.0 hr.	100.0%	$685.00	$687.00
OYC	Agency Train. Request- Base, 1.5 hr, each add.	100.0%	$14.00	$16.00
OYC	Agency Train. Request- Base, 2.5 hr, each add.	100.0%	$21.00	$23.00
OYC	OYC-Advertised Train.- 1-2 hr./per person (min. 15 attending)	100.0%	$25.00	$27.00
OYC	OYC-Advertised Train.- 2.5-4.5 hr./per person (min. 15 attending)	100.0%	$33.00	$35.00
OYC	OYC-Advertised Train.- 5-7 hrs./per person (min. 15 attending).	100.0%	$68.00	$70.00
OYC	OYC - Advanced Training - 10 hrs./per person	100.0%	$108.00	$110.00
OYC	OYC - Administrator Training - 16 hrs./per person	100.0%	$136.00	$138.00
Env. Health	FIXED FOOD SERVICE ESTAB-PROFIT			
Env. Health	FSE Initial License incl.2 hrs Plan Rev	50.0%	$1,320.00	$1,350.00
Env. Health	FSE Restricted License Renewal (w/o PR)	50.0%	$660.00	$675.00
Env. Health	FSE Initial License (Mobile)	50.0%	$470.00	$490.00
Env. Health	MOBILE UNIT RENEWAL LICENSE (4 hours)	50.0%	$235.00	$240.00
Env. Health	FSE Renewal Lic -At least $750,000	50.0%	$1,100.00	$1,150.00
Env. Health	FSE Renewal Lic-At least $500,000,less than $750,000	50.0%	$900.00	$925.00
Env. Health	FSE Renewal Lic-At least $250,000,less than $500,000	50.0%	$700.00	$725.00
Env. Health	FSE Renewal Lic-Less than $250,000	50.0%	$500.00	$520.00
Env. Health	FSE Non-profit License Renewal	25.0%	$250.00	$260.00
Env. Health	Fixed Food Svc Estab Nonprofit - INITIAL License incl. 2 hr plan rev	25.0%	$675.00	$700.00
Env. Health	Surcharge-Fail submit plans/chg own	100.0%	$600.00	$610.00
Env. Health	Special food svc estab surchrg 2nd step of formal hearing	100.0%	$510.00	$525.00
Env. Health	Special food svc estab surchrg 3rd step of formal hearing	100.0%	$1,020.00	$1,050.00
Env. Health	Seasonal Renewal License, FSE			
Env. Health	FSE Seasonal Renewal -Gross sales exc. $750,000	50.0%	$660.00	$690.00
Env. Health	FSE Seasnl renewal- at least $500,000,less $750,000	50.0%	$540.00	$560.00
Env. Health	FSE Seasnl Renewal -at least $250,000,less $500,000	50.0%	$420.00	$430.00
Env. Health	FSE Seasonal renewal -less than $250,000	50.0%	$300.00	$310.00
Env. Health	FSE - DOE Schools Program - Satellite Kitchen	50.0%	$340.00	$350.00
Env. Health	Change of Ownership of FSE	50.0%	$395.00	$405.00
Env. Health	Initl Lic Fee Exmpt(plan revw only) Govt	50.0%	$230.00	$235.00
Env. Health	Food Variance Request Fee (Based on BEH Hourly Rate, Estimated Time to Deliver Service - One Hour	100.0%	$115.00	$120.00
Env. Health	STFU (Special Transitory Food Unit)			
Env. Health	Initial STFU license Incl. Plan Review	50.0%	$350.00	$375.00
Env. Health	STFU late inspection request	100.0%	$160.00	$165.00

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
Env. Health	TEMPORARY LICENSE			
Env. Health	Temp FSE - Non-Profit	25.0%	$115.00	$120.00
Env. Health	Temp Nonprf FSE-Ops Beg Bef Licg (double)	25.0%	$230.00	$235.00
Env. Health	Temp FSE- Preparation Type - For Profit	50.0%	$230.00	$240.00
Env. Health	Temp FSE-Ops Began Before Licg (double)	50.0%	$460.00	$480.00
Env. Health	Temp FSE-each add'l lic.after 2 at 1 loc	50.0%	$75.00	$78.00
Env. Health	Temp Event Inspection Request - Late Fee	100.0%	$460.00	$480.00
Env. Health	VENDING			
Env. Health	Vending:1-3 Licensable Mach. in Same Loc.	50.0%	$85.00	$86.00
Env. Health	Vending: 4-6 Licensable Mach. in Same Loc.	50.0%	$110.00	$115.00
Env. Health	Surcharge-Failure to apply for vending license- Fee	100.0%	$195.00	$200.00
Env. Health	POOL			
Env. Health	Public Pool Inspection	100.0%	$235.00	$240.00
Env. Health	Each add'l pool at same location	100.0%	$115.00	$120.00
Env. Health	Pool Reinspection (after violation)	100.0%	$115.00	$120.00
Env. Health	DHS Licensing			
Env. Health	DHS Licensing Inspection - well & septic	100.0%	$360.00	$365.00
Env. Health	DHS Licensing - well & septic only	100.0%	$140.00	$145.00
Env. Health	DHS Licensing re-inspection fee hourly rate	100.0%	$115.00	$120.00
Env. Health	DHS Initial Licensing Plan Review	100.0%	$410.00	$420.00
Env. Health	BODY ART (TATTOO)			
Env. Health	Body Art Business Initial License	50.0%	$600.00	$700.00
Env. Health	Body Art License Renewal	50.0%	$225.00	$250.00
Env. Health	Body Art Lic-late renewal-additional	50.0%	$140.00	$145.00
Env. Health	Body Art w/o initial license/reinstatement of revoked	50.0%	$590.00	$600.00
Env. Health	Body Art non-compliant with inspection -hourly rate	50.0%	$115.00	$120.00
Env. Health	Reinstmt of Susp Body Art License (fine)	100.0%	$220.00	$225.00
Env. Health	Body Art Initial License after July 1	100.0%	$300.00	$305.00
Env. Health	Plan Review Fee for Body Art (BEH Hourly Rate, Minimum Time to Deliver Service = Two Hours)	100.0%	$115.00	$120.00
Env. Health	DEMAND PROGRAM (per hour)			
Env. Health	Sewage Inspection (Only)	100.0%	$825.00	$850.00
Env. Health	Well (Only) Inspection -private	100.0%	$600.00	$615.00
Env. Health	Combined Well & Septic Inspection	100.0%	$1,150.00	$1,175.00
Env. Health	Vacant Land Evaluation	100.0%	$580.00	$590.00
Env. Health	On-Site Sewage repair/replace	100.0%	$825.00	$850.00
Env. Health	Well Repair	100.0%	$325.00	$350.00
Env. Health	Altern On-site Sewage Syst Plan Rew	100.0%	$440.00	$450.00
Env. Health	Subdivision Evaluation of Preliminary Plat	100.0%	$370.00	$380.00
Env. Health	Munic Requ Eval. of Well/Septic-(hourly rate - min. 2 hours for service)	100.0%	$115.00	$120.00
Env. Health	Septic or Well ownershp trsfr,not installed at time of transfer	100.0%	$195.00	$200.00
Env. Health	Irrigation Well/Non-potable well - commercial	100.0%	$345.00	$350.00
Env. Health	Combined Well & Septic Repair	100.0%	$950.00	$1,000.00
Env. Health	Septic Installers Certification (2 hr chrg)	100.0%	$115.00	$120.00
Env. Health	BATHING BEACHES			
Env. Health	Bathing Area Operational Permit	100.0%	$235.00	$240.00
Env. Health	Reinstmt of bathing area permit	100.0%	$115.00	$120.00
Env. Health	Sanitary Surv for Prop. Bathg Beach	100.0%	$470.00	$480.00

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
Env. Health	CAMPGROUNDS			
Env. Health	Temporary Campground Inspections -New State Required Fee		$0.00	$240.00
Env. Health	MISC EH PROGRAMS			
Env. Health	Collection of water samples for Type II Non-Community Water Sampling per hr	100.0%	$115.00	$120.00
Env. Health	Type II Non Community - Sanitary Survey (non - transient) Fee is new because it is split between non -transient and transient (used to be only one fee under Sanitary Survey)		$0.00	$650.00
Env. Health	Point of Sale- on site evaluation well & waste treatment system by ICHD	100.0%	$405.00	$415.00
Env. Health	Waste Treatment Inspection by ICHD (excludes pumping fees)	100.0%	$240.00	$245.00
Env. Health	Well Inspection by ICHD (includes water samples for bacteria and partial chemicals)	100.0%	$170.00	$175.00
Env. Health	Point of Sale- Extension Evaluations -hourly rate - 2 hours minimum for svc	100.0%	$115.00	$120.00
Env. Health	Point of Sale- Annl Inspector renwl fee	100.0%	$135.00	$140.00
Env. Health	TOBACCO PROGRAM			
Env. Health	License- Tobacco Sales- 1yr.- Retailer-East Lansing	100.0%	$285.00	$290.00
Env. Health	License- Tobacco Sales- 1yr.- Retailer- Non-East Lansing	100.0%	$330.00	$335.00
Env. Health	License- Tobacco Sales- 1yr.- Vend. Mach.	100.0%	$330.00	$335.00
Env. Health	License- Tobacco Sales- 1yr.- Retailer-East Lansing - Late Fee	150.0%	$450.00	$480.00
Env. Health	License- Tobacco Sales- 1yr.- Retailer- Non-East Lansing - Late Fee	150.0%	$525.00	$550.00
Env. Health	Tobacco Failure to change ownership	100.0%	$185.00	$190.00
Env. Health	POLLUTION PREVENTION PROGRAM			
Env. Health	Cat 2: 501-5000 Gal report fee	50.0%	$140.00	$145.00
Env. Health	Cat 3: 5001 Gal report fee	50.0%	$210.00	$220.00
Env. Health	Cat 1: 0-500 Gal Inspection fee	50.0%	$140.00	$145.00
Env. Health	Cat 2: 501-5000 Gal Inspection fee	50.0%	$230.00	$235.00
Env. Health	Cat 3: 5001 plus Gal Inspection fee	50.0%	$340.00	$350.00
Env. Health	Hourly Rate Over Standard Service	100.0%	$115.00	$120.00
Env. Health	P2 On-Site Consultation (per hour)	100.0%	$115.00	$120.00
Env. Health	P2 Plan Review - hourly rate - 2 hour min.	100.0%	$115.00	$120.00

ATTACHMENT B: FEES FOR WHICH AN ADJUSTMENT IS RECOMMENDED

Law and Courts Committee

Location of Service	Fee Description	Target Percent	2014 Fee	2015 Fee
Circuit Court	Felony Case Costs	100.0%	$635.00	$650.00
Circuit Court	Show Cause - Probation	100.0%	$130.00	$150.00
Family Division	Delinquency Court Costs	100.0%	$230.00	$250.00
Family Division	Traffic - Fail to Appear	25.0%	$25.00	$26.00
FOC	FOC Bench Warrants	100.0%	$260.00	$275.00

ADOPTED - May 13, 2014
Agenda Item No. 17

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO ACCEPT FUNDING FROM THE W. K. KELLOGG FOUNDATION AND ACT AS THE FIDUCIARY FOR THE WAYNE CHILDREN'S HEALTHCARE ACCESS PROGRAM

RESOLUTION # 14 – 200

WHEREAS, there is evidence that some people who are potentially eligible for Medicaid do not seek enrollment because of various barriers; and

WHEREAS, the Ingham County Health Department has demonstrated the ability to engage families with the intent of overcoming these barriers to enrollment; and

WHEREAS, local Health Departments, under the CPBC agreements can report their Medicaid Outreach activities to maximize reimbursement available for these services; and

WHEREAS, Wayne Children's Healthcare Access Program (WCHAP) is a pediatric medical home implementation program now in its fourth year; and

WHEREAS, WCHAP is a program that coordinates an integrated system of early childhood support services that are voluntary, accessible, culturally competent to families with children who are on Medicaid or are Medicaid eligible; and

WHEREAS, the W.K. Kellogg Foundation (WKKF) has awarded WCHAP up to $500,000 to provide these services and has been advised to seek a fiduciary/payee; and

WHEREAS, the local Health Department, Detroit Department of Health and Wellness, is under the State Emergency Manager; and

WHEREAS, WCHAP has asked the Ingham County Health Department to serve as fiduciary/payee with the W.K. Kellogg Foundation; and

WHEREAS, the responsibilities of the fiduciary/payee, the Health Department will:

1. Receive from WKKF and other eligible grant funds up to $500,000 on behalf of WCHAP
2. Set-up a system to provide WCHAP an initial payment and subsequent reimbursement of costs
3. Process Medicaid Outreach documentation required to draw Medicaid Outreach Matching Funds
4. Perform on site, quarterly sub-recipient monitoring of WCHAP
5. Forward any required reports as provided by WCHAP

WHEREAS, WCHAP will be responsible for:

1. Providing quarterly financial reports of all expenses as provided by their third party accounting firm Metro Solutions
2. Providing quarterly reports for Medicaid Outreach
3. Providing any and all programmatic reports to be sent to WKKF and any other grantors
4. Keeping the Health Department up-to-date of any changes in funding

WHEREAS, the Health Officer recommends that the Board of Commissioners accept funding from the W.K. Kellogg Foundation and authorize a subcontract with Wayne Children's Healthcare Access to act as the fiduciary/payee.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the acceptance of funding from the W.K. Kellogg Foundation in the amount up to $500,000 and that the Ingham County Health Department will act as the fiduciary/payee for the Wayne Children's Healthcare Access Program.

BE IT FURTHER RESOLVED, that the Health Department will charge WCHAP a 7.5 percent fee on the total funding made available to them through the Medicaid Match.

BE IT FURTHER RESOLVED, that the Health Department will:

1. Receive from WKKF and other eligible grant funds up-to $500,000 on behalf of WCHAP
2. Set-up a system to provide WCHAP an initial payment and subsequent reimbursement of costs
3. Process Medicaid Outreach documentation required to draw Medicaid Outreach Matching Funds
4. Perform on site, quarterly sub-recipient monitoring of WCHAP
5. Forward any required reports as provided by WCHAP

BE IT FURTHER RESOLVED, that WCHAP will:

1. Providing quarterly financial reports of all expenses as provided by their third party accounting firm Metro Solutions
2. Providing quarterly reports for Medicaid Outreach
3. Providing any and all programmatic reports to be sent to WKKF and any other grantors
4. Keeping the Health Department up-to-date of any changes in funding

BE IT FURTHER RESOLVED, that the period of the subcontract shall be May 1, 2014 through June 30, 2015.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to adjust the Health Department's budget.

BE IT FURTHER RESOLVED, that the Board Chairperson is authorized to sign any necessary documents consistent with this resolution on behalf of the County upon approval by the County attorney.

HUMAN SERVICES: Yeas: Nolan, Holman, McGrain, Hope, Anthony, Vickers

Nays: None **Absent:** Tennis **Approved 5/5/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 18

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE AMENDING THE SERVICE CONTRACTS FOR OUTREACH SERVICES AUTHORIZED IN THE 2013-2014 COMPREHENSIVE AGREEMENT

RESOLUTION # 14 – 201

WHEREAS, in Resolution #13-384 the 2013-14 Agreement for Delivery of Public Health Services under the Comprehensive Process with the Michigan Department of Community Health was authorized for the period of October 1, 2013 through September 30, 2014; and

WHEREAS, in Resolution #13-457, the Agreement was amended and authorized service contracts with the providers to support outreach activities to potential and current Medicaid beneficiaries; and

WHEREAS, these service contracts are braided together with funds and related requirements from multiple sources, including County and Medicaid Administration (Federal Share); and

WHEREAS, the Ingham Health Plan Corporation is providing an additional $50,000 to support the outreach activities in these service contracts for FY 2014; and

WHEREAS, the remaining increase is funded by a redetermination of Medicaid Administration (Federal Share) with no increase in General Fund dollars; and

WHEREAS, the Health Officer recommends that the Board of Commissioners authorize these Amendments to the Service Contracts with the following agencies:

Allen Neighborhood Center –to $115,487
NorthWest Initiative –to $115,487
Carefree Medical –to $10,800
South Side Community Coalition –to $103,086
Greater Lansing African American Health Institute –to $77,904
Capital Area Community Services – to $4,000

THEREFORE BE IT RESOLVED, that the Board of Commissioners accepts the $50,000 from the Ingham Health Plan Corporation and amends the service contracts for outreach as follows:

Allen Neighborhood Center –to $115,487
NorthWest Initiative –to $115,487
Carefree Medical –to $10,800

South Side Community Coalition –to $103,086
Greater Lansing African American Health Institute –to $77,904
Capital Area Community Services – to $4,000

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to amend the Health Department's 2014 Budget in order to implement this resolution.

BE IT FURTHER RESOLVED, the period of the service contracts remains October 1, 2013 through September 30, 2014.

BE IT FURTHER RESOLVED, that all other terms and conditions of the agreements remain unchanged.

BE IT FURTHER RESOLVED, that the Board Chairperson is authorized to sign the agreements after review by the County Attorney.

HUMAN SERVICES: Yeas: Nolan, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** Tennis **Approved 5/5/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 19

Introduced by the Law & Courts and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AWARDING A CONTRACT TO QUALITY ROOFING, INC. FOR THE REPLACEMENT OF ONE ROOF AT THE INGHAM COUNTY SHERIFF'S OFFICE

RESOLUTION # 14 – 202

WHEREAS, the Sheriff's Office roof is in need of replacement, it is old, leaking and causing damage to the building; and

WHEREAS, after careful review of bids the Purchasing and Facilities Departments both agree that a contract be awarded to Quality Roofing, Inc. for the replacement of one roof at the Sheriff's Office for a cost of $99,750.00; and

WHEREAS, the Facilities Department would like to request a contingency in the amount of $5,000.00 for any unforeseen circumstances that may arise, bringing the contract to an amount not to exceed $104,750.00; and

WHEREAS, the approved CIP line item #245-30199-976000-2FC11 for the Sheriff's roof replacement has a balance of $32,715.00; and

WHEREAS, the Facilities Department would like to request a line item transfer in the amount of $72,035.00 from line item 245-42199-976000-2FC09 for Animal Control roof replacement, a lower priority project, into line item 245-30119-976000-2FC11 for the Sheriff's roof replacement, bringing the new total amount available to $104,750.00; and

WHEREAS, the funds for this project will be available in the approved CIP line item 245-30199-976000-2FC11 which will have a balance of $104,750.00, following the requested line item transfer.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners hereby authorizes awarding a contract to Quality Roofing, Inc., 10800 Plaza Drive, Whitmore Lake, Michigan 48189, to replace the roof at the Sheriff's Office for an amount not to exceed $104,750.00 which includes a $5,000.00 contingency.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to transfer $72,035.00 from line item 245-42199-976000-2FC09 for Animal Control Roof Replacement into line item 245-30119-976000-2FC11 for the Sheriff's Office roof replacement project.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary documents that are consistent with this resolution and approved as to form by the County Attorney.

LAW & COURTS: Yeas: Bahar-Cook, Hope, Crenshaw, Celentino, Tsernoglou, Schafer, Maiville
Nays: None **Absent:** None **Approved 5/1/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 20

Introduced by the Law & Courts and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING A GRANT/SUB CONTRACT WITH THE CITY OF LANSING FOR A SPECIAL PART TIME VICTIM RIGHTS POSITION AT THE PROSECUTING ATTORNEY'S OFFICE

RESOLUTION # 14 – 203

WHEREAS, the City of Lansing. 54-A District Court, administered by the State Court Administrative Office, has awarded a grant in the amount of $150,000 to the City of Lansing, 54-A District Court for purposes of offering treatment to offenders of Domestic Violence; and

WHEREAS, the City of Lansing 54-A District Court handles cases involving domestic violence; and

WHEREAS, the Swift and Sure Domestic Violent Grant will include transportation domestic violence counseling, substance testing, cognitive behavioral therapy, relapse prevention programming, in-patient treatment, risk assessment, psychiatric consultation and assessment, and medical consultation; and

WHEREAS, the grant award also includes money for a dedicated Victim Witness Assistant who will work with the Coordinator and Case Managers of the program to ensure the Victim is aware of the specialty court and provide services to victims of domestic violence; and

WHEREAS, the position has been determined by Ingham County's Human Resource Department to be a Special Part Time position without benefits at a UAW G pay grade and will be funded for the duration of the grant which ends September 30, 2015; and

WHEREAS, the acceptance of this award is recommended to the Ingham County Board of Commissioners in order to enhance the work of the Ingham County Prosecutor's Office.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners hereby authorizes entering into a Grant/Subcontract with the City of Lansing for the sum of $18,768.00 to fund a Special Part Time Victim Rights grant position without benefits at a UAW G pay grade for the time period of April 1, 2014 through September 30, 2015 subject to the availability of grant/subcontract funds.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary contract documents that are consistent with this resolution and approved as to form by the County Attorney.

BE IT FURTHER RESOLVED, that the Controller is directed to make the necessary adjustments to the 2014 and 2015 Ingham County Prosecutor's Office budget and Position Allocation List.

LAW & COURTS: Yeas: Bahar-Cook, Hope, Crenshaw, Celentino, Tsernoglou, Schafer, Maiville
Nays: None **Absent:** None **Approved 5/1/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

ADOPTED - May 13, 2014
Agenda Item No. 21

Introduced by the Law & Courts and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE THE PURCHASE, INSTALLATION, AND CONFIGURATION OF CAROUSEL INDUSTRIES AUDIO/VISUAL SOLUTION FOR THE SHERIFF'S OFFICE TRAINING ROOMS

RESOLUTION # 14 – 204

WHEREAS, it was discovered the Ingham County Sheriff's Office Training room equipment is outdated and at the end of its life; and

WHEREAS, there have been several issues noted with quality and reliability with the audio/visual equipment in the Ingham County Sheriff's Office training rooms today; and

WHEREAS, the equipment in Ingham County Sheriff's Office training rooms needs to be updated to provide quality training from various sources; and

WHEREAS, it's important to provide high quality and dependable training rooms for law enforcement; and

WHEREAS, the training rooms serve as a regional training spot for law enforcement agencies across the state; and

WHEREAS, the speakers, microphones, projectors, and presentation equipment should be updated to today's technology standards; and

WHEREAS, after evaluating several different options from various vendors Carousel Industries, who is also on cooperative contract, has been selected to configure, purchase, and install the technology in the Ingham County Sheriff's Office training rooms; and

WHEREAS, it is the recommendation of the Chief Information Officer and Ingham County Sheriff's Office that Carousel Industries be used to replace the outdated system.

THEREFORE BE IT RESOLVED, that the Board of Commissioners authorizes the County to purchase the equipment, installation services, and configuration from Carousel Industries at a cost of $38,804.52.

BE IT FURTHER RESOLVED, the total cost of $38,804.52 will be paid from the Ingham County Sheriff's Office Booking Fees Fund.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to make any necessary budget adjustments consistent with this resolution.

LAW & COURTS: Yeas: Bahar-Cook, Hope, Crenshaw, Celentino, Tsernoglou, Schafer, Maiville
Nays: None **Absent:** None **Approved 5/1/14**

FINANCE: Yeas: Koenig, Anthony, Tennis, McGrain, Bahar-Cook, Vickers
Nays: None **Absent:** Schafer **Approved 5/7/14**

Adopted as part of the consent agenda.

SPECIAL ORDERS OF THE DAY:

Commissioner Anthony moved to appoint Heather Yevseyev and Florensio Hernandez to the Equal Opportunity Committee. Supported by Commissioner Koenig.

Motion carried unanimously. Absent: Commissioners Crenshaw and McGrain.

PUBLIC COMMENT:

None.

COMMISSIONER ANNOUNCEMENTS:

Commissioner Anthony announced that she will be holding a joint Coffee Hour with Representative Andy Schor on May 19th. She also informed the Commissioners that Alpha Kappa Alpha, Inc. will be at the Capitol building on May 27th.

Commissioner Vickers announced that the Lansing Safety Patrol will be at Hawk Island Park on May 14th from 9 a.m. to 1 p.m. He also reminded the Commissioners of the FOP Pig Roast on Wednesday at 5:30 p.m.

Commissioner Hope announced that the Tri-County Office of Aging will be celebrating its 40th anniversary with a 5K Run, Walk or Roll at Hawk Island Park beginning at 9 a.m. on Saturday.

Commissioner Koenig announced that the Lansing Area Safety Council will be holding a reward ceremony on Wednesday for the students who served as "Safeties" throughout the school year.

CONSIDERATION AND ALLOWANCE OF THE CLAIMS:

Commissioner Anthony moved to approve payment of the claims submitted by the County Clerk and Financial Services Department. Commissioner Vickers seconded the motion.

The motion carried unanimously. Absent: Commissioners Crenshaw and McGrain.

ADJOURNMENT:

There being no further business, the meeting was adjourned at 6:48 p.m.

RECEIVED
MAY 19 2014

AGENDA ITEM # 1

City of Lansing
Notice of Public Hearing

The Lansing City Council will hold a public hearing on June 2, 2014 at 7:00 p.m. in the City Council Chambers, 10th Floor, Lansing City Hall, Lansing, MI, for the purpose stated below:

To afford an opportunity for all residents, taxpayers of the City of Lansing, other interested persons and ad valorem taxing units to appear and be heard on the approval of Brownfield Plan #55a - Amendment #1 – Ballpark North Brownfield Redevelopment Plan, pursuant to and in accordance with the provisions of the Brownfield Redevelopment Financing Act, Public Act 381 of 1996, as amended, for property commonly referred to as Cooley Law School Stadium located in the City of Lansing, but more particularly described as:

33-01-01-16-276-002, N 90.75 FT LOTS 8 & 9 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-021, S 1/2 OF N 1/2 OF S 3/5 LOTS 8 & 9 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-031, N 41.25 FT LOT 7, S 49.5 FT LOTS 8 & 9, LOT 10 & W 46.75 FT LOT 11 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-041, S 1/2 LOT 7 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-191, COM 19.25 FT W OF NW COR LOT 12, TH S 165 FT, E 2.75 FT, N 4 R, E 57.25 FT, N 6 R, W 60 FT TO BEG; SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-151, LOT 14 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-161, S 2/5 OF E 1 R LOT 11 & S 2/5 LOTS 12 & 13 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-182, N 99 FT LOT 13 & E 25.25 FT OF N 99 FT LOT 12 SUB OF LOTS 1, 2, 3, 4 & 5 OF BLOCK 244 ORIG PLAT,

33-01-01-16-276-050, THAT PART OF: COM SE COR BLK 244, TH N 419.04 FT, E 9.87 FT, N 260 FT, W 9.23 FT, N 300.09 FT, W 428.69 FT, S 256.94 FT, W 13.32 FT, S 302 FT, E 12.64 FT, S 417.94 FT,E 428.47 FT TO BEG, WHICH LIES OUTSIDE THE EXTERIOR WALLS OF THE OLDSMOBILE PARK BASEBALL STADIUM, INCLUDING SO-CALLED

LOBBY AREA; BLOCK 244 ORIG PLAT,

33-01-01-16-276-072, THAT PART OF: COM SE COR BLK 244, TH N 419.04 FT, E 9.87 FT, N 260 FT, W 9.23 FT, N 300.09 FT, W 428.69 FT, S 256.94 FT, W 13.32 FT, S 302 FT, E 12.64 FT, S 417.94 FT, E 428.47 FT TO BEG; WHICH LIES INSIDE THE EXTERIOR WALLS OF THE OLDSMOBILE PARK BASEBALL STADIUM; BLOCK 244 ORIG PLAT.

Approval of this Brownfield Plan will enable the Lansing Brownfield Redevelopment Authority to capture incremental tax increases which result from the redevelopment of the property to pay for costs associated therewith. Further information regarding this issue, including maps, plats, and a description of the brownfield plan will be available for public inspection and may be obtained from Karl Dorshimer – Director of Economic Development, Lansing Economic Area Partnership, 1000 South Washington Avenue, Suite 201, Lansing, MI 48910, (517) 702-3390.

_____

City Clerk

May 27, 2014
Agenda Item No. 2

Introduced by the County Services Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE THE SPECIAL AND ROUTINE PERMITS FOR THE INGHAM COUNTY ROAD DEPARTMENT

RESOLUTION # 14 –

WHEREAS, as of July 23, 2013, the Ingham County Department of Transportation and Roads became the Ingham County Road Department per Resolution #13-289; and

WHEREAS, the Ingham County Road Commission periodically approved Special and Routine permits as part of the their roles and responsibilities; and

WHEREAS, this is now the responsibility of the Board of Commissioners to approve these permits as necessary.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners approves the attached list of Special and Routine Permits dated May 8, 2014 as submitted.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

INGHAM COUNTY ROAD DEPARTMENT

DATE: May 8, 2014

LIST OF CURRENT PERMITS ISSUED

R/W PERMIT#	R/W APPLICANT /CONTRACTOR	R/W WORK	R/W LOCATION	R/W CITY/TWP.	R/W SECTION
2014-150	DAN THOMAS LAWN SPRINKLER	ANNUAL LAWN/SPRINKLER	VARIOUS	VARIOUS	
2014-152	COMCAST	CABLE / OH	ST JOSEPH ST & CLEMENT RD	LANSING	18
2014-153	COMCAST	CABLE / UG	WILLOUGHBY RD & CEDAR ST	DELHI	15
2014-154	CONSUMERS ENERGY	GAS	VARIOUS	DELHI	
2014-156	G.A. HUNT EXCAVATING	STORM	JACQUELINE AVE & DAVALIND DR	DELHI	23
2014-160	ENBRIDGE ENERGY LIMITED	MISCELLANEOUS	STATE RD & BASE LINE RD	LESLIE	33
2014-162	AT & T	CABLE / UG	WOOD ST & LAKE LANSING RD	LANSING	2
2014-163	FRONTIER	CABLE / UG	ONONDAGA RD & BELLEVUE RD	ONONDAGA	20
2014-164	CONSUMERS ENERGY	GAS	ANDRUS AVE BET MAACON AVE & UPTON RD	LANSING	7
2014-165	CONSUMERS ENERGY	GAS	GOULD RD BET MORRIS AVE & WILLOW ST	LANSING	7
2014-166	CONSUMERS ENERGY	GAS	MORRIS AVE BET WILLOW ST & OVERLEA DR	LANSING	7
2014-182	WIELAND-DAVCO CORP.	WALKWAY CONST.	PINE TREE RD & BELLE CHASE WAY	DELHI	2
2014-183	DELHI CHARTER TOWNSHIP	SPECIAL EVENT	VARIOUS	DELHI	
2014-186	CONSUMERS ENERGY	GAS	ELM ST BET HOLT RD & SYCAMORE ST	DELHI	23
2014-189	COMCAST	CABLE / UG	JAMES PHILLIPS DR & JOLLY RD	ALAIEDON	5
2014-191	YELENA MUCOVICH	LAND DIVISION	BARNES RD & EDGAR RD	AURELIUS	25
2014-192	LANSING BOARD OF WATER & LIGHT	WATERMAIN	SANDHILL RD & OKEMOS RD	ALAIEDON	4
2014-193	DELHI CHARTER TOWNSHIP	SPECIAL EVENT	VARIOUS	DELHI	
2014-197	LEONARD & ELAINE CARTER TRUST	LAND DIVISION	COLLEG RD BET TOMLINSON RD & LYON RD	VEVAY	19
2014-199	DADVID R LOHR LAND SURVEYOR	MISCELLANEUOS	VARIOUS	VARIOUS	
2014-203	CONSUMERS ENERGY	GAS	MAPLE ST BET SYCAMORE ST & HOLT RD	DELHI	23
2014-204	COMCAST	CABLE / UG	LAKE LANSING RD & HAGADORN RD	MERIDIAN	6
2014-207	CONSUMERS ENERGY	GAS	OAKWOOD DR BET HATCH RD & BIRCHWOOD DR	MERIDIAN	27
2014-208	CONSUMERS ENERBY	GAS	ESOTERIC WAY & EYDE PKWY	MERIDIAN	20
2014-210	CONSUMERS ENERGY	GAS	GREEN RD & HASLETT RD	MERIDIAN	12

May 27, 2014
Agenda Item No. 3

Introduced by the County Services Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION HONORING WADE ALEXANDER YAUK

RESOLUTION # 14 –

WHEREAS, Wade Alexander Yauk is a senior at Williamston High School, he is active in the community and enjoys marching band, cross country team, varsity track and field, varsity tennis and swimming; and

WHEREAS, Wade began his scouting career in 2002 and attained Cub scouting's highest honor, the Arrow of Light in 2007, he joined Boy Scout Troop #63 in the spring of 2007; and

WHEREAS, his scout leadership history includes Senior Patrol Leader, Assistant Patrol Leader and Scribe, he is also a member of the Order of the Arrow where he obtained Brotherhood in the summer of 2010; and

WHEREAS, Wade's eagle project entailed the research, design and construction of a multi-bench seating area outside of the Fitness Center/Pool wing of Williamston High School, he spend 188 hours on the project with the assistance of 21 people from the community, family and troop; and

WHEREAS, Wade has earned the highest rank attainable in Scouting, the Eagle Scout; and

WHEREAS, to achieve the Eagle rank, a scout must demonstrate leadership and citizenship while earning 21 merit badges before reaching the age of 18.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners congratulates Wade Alexander Yauk for earning the rank of Eagle Scout and extends its sincere appreciation to Wade for serving as a positive role model for the youth in our community.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

May 27, 2014
Agenda Item No. 4

Introduced by the County Services Committee of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION HONORING BENJAMIN MICHAEL THOENES

RESOLUTION # 14 –

WHEREAS, Benjamin Michael Thoenes is a senior at Williamston High School, he is active in the community and enjoys playing on the varsity basketball team and running, he received all state honors in track and field last year in two events and served as a captain for the cross country and track and field teams; and

WHEREAS, Benjamin began his scouting career in 2002 and attained Cub scouting's highest honor, the Arrow of Light in 2007, he joined Boy Scout Troop #63 in the spring of 2010; and

WHEREAS, his scout leadership history includes Troop Scribe, he was elected by fellow scouts to be a member of the Order of the Arrow Brotherhood, he also served as librarian and attended Camp Rotary in Clare, Michigan four consecutive summers earning his World Conservation Award in 2009; and

WHEREAS, Benjamin's eagle project entailed the restoration of the Memorial Garden at Williamston United Methodist Church, which included positioning six cement benches and bases, building and installing two picnic tables, constructing a grill pad and a water closet; and

WHEREAS, Benjamin has earned the highest rank attainable in Scouting, the Eagle Scout; and

WHEREAS, to achieve the Eagle rank, a scout must demonstrate leadership and citizenship while earning 21 merit badges before reaching the age of 18.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners congratulates Benjamin Michael Thoenes for earning the rank of Eagle Scout and extends its sincere appreciation to Benjamin for serving as a positive role model for the youth in our community.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

May 27, 2014
Agenda Item No. 5

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE THE INGHAM COUNTY BOARD OF COMMISSIONERS TO FILE A PETITION WITH THE INGHAM COUNTY DRAIN COMMISSIONER FOR MAINTENANCE AND IMPROVEMENTS TO THE MONTGOMERY DRAIN (ALSO KNOWN AS THE MONTGOMERY DRAIN EXTENSION)

RESOLUTION # 14 –

WHEREAS, the County of Ingham ("County") recognizes that it is necessary for the public health to clean out, relocate, widen, deepen, straighten, tile, extend, consolidate, add branches, add lands, relocate along a highway, and/or install devices to purify the flow of the Montgomery Drain, also known as Montgomery Drain Extension ("Montgomery Drain"), pursuant to Chapter 20 of Public Act 40 of 1956, as amended, and that this maintenance and improvement work is required at this time due to flooding of parcels within the Montgomery Drain Drainage District and due to pollution of the Montgomery Drain, resulting in pollution of the waters of the state; and

WHEREAS, all of the lands to be benefited by the Montgomery Drain are located within the County; and

WHEREAS, the County recognizes that it will be subject to assessment to pay for a percentage of the cost of the Drain for benefit to County roads.

THEREFORE BE IT RESOLVED**,** pursuant to Chapter 20 of Public Act 40 of 1956, as amended, on behalf of the County, the Chair of the County Board of Commissioners is authorized to execute a Petition for the cleaning out, relocating, widening, deepening, straightening, tiling, extending, consolidating, adding branches, adding lands, relocating along a highway, and/or installing devices to purify the flow of the Montgomery Drain, after approval as to form by the County Attorney.

BE IT FURTHER RESOLVED, that said Petition and Exhibit "A" to Petition – Montgomery Drain Route and Course is incorporated by reference and attached to this resolution.

BE IT FURTHER RESOLVED, that immediately following this meeting, the County Clerk shall forward to the Ingham County Drain Commissioner a certified copy of this Resolution and an executed Petition for the cleaning out, relocating, widening, deepening, straightening, tiling, extending, consolidating, adding branches, adding lands, relocating along a highway, and/or installing devices to purify the flow of the drain known and designated as the Montgomery Drain.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

The Resolution was declared and adopted by the Board of Commissioners.

County of Ingham

_____
Victor Celentino, Board Chair

STATE OF MICHIGAN)
) SS
COUNTY OF INGHAM)

I, Barb Byrum, the duly qualified and acting Clerk of Ingham County, Michigan ("County") do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Board of Commissioners at a meeting held on May _____, 2014, the original of which is on file in my office. Public notice of said meeting was given pursuant to and in compliance with Act No. 267 of Public Acts of Michigan of 1976, as amended.

IN WITNESS WHEREOF, I have hereunto affixed my signature this _____ day of May, 2014.

_____
Barb Byrum, County Clerk, Ingham County

PETITION FOR CLEANING OUT, RELOCATING, WIDENING, DEEPENING, STRAIGHTENING, TILING, EXTENDING, CONSOLIDATING, ADDING BRANCHES, ADDING LANDS, RELOCATING ALONG A HIGHWAY AND/OR INSTALLING DEVICES TO PURIFY THE FLOW OF THE DRAIN MONTGOMERY DRAIN (ALSO KNOWN AS MONTGOMERY DRAIN EXTENSION) PURSUANT TO CHAPTER 20 OF ACT 40 OF THE PUBLIC ACTS OF 1956, AS AMENDED

TO THE INGHAM COUNTY DRAIN COMMISSIONER:

The undersigned public corporation in the State of Michigan, namely the County of Ingham, hereby petitions for the cleaning out, relocating, widening, deepening, straightening, tiling, extending, consolidating, adding branches, adding lands, relocating along a highway, and/or installing devices to purify the flow of the drain known and designated as the Montgomery Drain, also known as Montgomery Drain Extension ("Montgomery Drain"), wholly located and established in the City of Lansing, City of East Lansing and Township of Lansing in the County of Ingham, State of Michigan.

The route and course of the Montgomery Drain is described in the Attached Exhibit A.

The cleaning out, relocating, widening, deepening, straightening, tiling, extending, adding branches, consolidating, adding lands, relocating along a highway, and/or installing devices to purify the flow of said Drain is necessary for the public health, and is required at this time due to flooding of parcels within the Montgomery Drain Drainage District and due to pollution of the Montgomery Drain resulting in pollution of the waters of the state.

This petition has been authorized by this petitioner's governing body, as evidenced by the attached resolution.

This petition is filed pursuant to the provisions of Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended.

A certified copy of the Resolution of the governing body of the County of Ingham authorizing the execution of the Petition is hereby attached.

COUNTY OF INGHAM

_____ By:_____

Date Victor Celentino, Board Chair

EXHIBIT "A" TO PETITION
MONTGOMERY DRAIN ROUTE & COURSE

The Montgomery Drain, also known as Montgomery Drain Extension ("Montgomery Drain"), is wholly located and established in the City of Lansing, City of East Lansing and Township of Lansing in the County of Ingham, State of Michigan, and is described as follows:

Drain located in Sections 11 and 14, City of Lansing, Ingham County, Michigan.

Beginning at station 13+32, on the right of way of Michigan Avenue, said point being 32.0 feet South of the North line of said Michigan Avenue; thence on said right of way as follows: North 60˚56' West, 51.0 feet; thence West 287.0 feet; thence North 45˚00' West, 4.2 feet to said right of way line, station 16+74.2 feet. Total length of drain on said right of way, 342.2 feet.

Thence over and across easement as follows:
Beginning at station 16+74.2, thence North 45˚00' West, 38.2 feet; thence North 987.0 feet; thence North 43˚00' West, 428.8 feet; thence North 1˚50' East, 671.2 feet; thence North 36˚10' West, 195.0 feet; thence North 3˚40' West, 255.0 feet; thence North 18˚31' East, 130.0 feet to station 43+80, the North line of said land. Total length of drain on said land is 2705.8 feet.

Thence over and across Michigan State Highway Department rights of way for M-78 and U.S. 16 as follows:
Beginning at station 43+80, the South line of M-78, thence North 18˚31'East, 240.0 feet to station 46+20, the upper terminus.
Total length of drain on said land is 240.0 feet.

BRANCH #1

Branch #1, a branch of the Montgomery Drain Extension, located in Section 14, T4N, R2W, Ingham County, Michigan, the centerline described as follows: Beginning at station 31+29 on the Main Drain, thence North 84˚51' West, 676.0 feet to station 6+76, the upper terminus.

BRANCH #2

Branch #2, a branch of the Montgomery Drain Extension, located in Section 14, T4N, R2W, City of Lansing, Ingham County, Michigan, the centerline described as follows: Beginning at station 38+00 on the Main Drain, thence North 81˚19' West, 478 feet; thence South 73˚45' West, 228 feet to station 7+06, the upper terminus.

BRANCH #3

Branch #3, a branch of the Montgomery Drain Extension, located in Section 14, T4N, R2W, City of Lansing, Ingham County, Michigan, described as follows: Beginning at station 4+78 of Branch #2, thence North 2˚12' West, 234.0 feet; thence North 65˚55' East, 245.0 feet to station 4+79, the upper terminus.

May 27, 2014
Agenda Item No. 6

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING A CONTRACT FOR MICROFILM AND INDEXING SERVICES FOR THE REGISTER OF DEEDS

RESOLUTION # 14 –

WHEREAS, Ingham County is committed to providing its citizens convenient access to images of recorded documents and their preservation; and

WHEREAS, Ingham County Register of Deeds Curtis Hertel Jr. has discovered the microfilm that holds these images are handled on a regular basis by the public and have become worn and brittle; and

WHEREAS, converting these records to digital images would make these images available to the public without further damage to the existing film; and

WHEREAS, indexes for records are available online from 1956 to the current date of posting, but the images are only available from 1960 forward; and

WHEREAS, inserting these images into the public online system will enable the public to view the images and also make them available to customers in the Register of Deeds' public vault; and

WHEREAS, after careful review of bids the Purchasing Director and Register of Deeds both agree that the contract be awarded to Michigan Office Solutions who submitted the lowest responsive and responsible bid to convert 86 rolls of film representing documents recorded between 1950 through 1960 for a cost not to exceed $6,794.00; and

WHEREAS, funds for this project are available within the Register of Deeds Technology line item # 256-26800-616010.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the Register of Deeds office to contract with Michigan Office Solutions for the conversion and indexing of 86 rolls of microfilm representing documents recorded from 1950 through 1960 for a cost not to exceed $6,794.00.

BE IT FURTHER RESOLVED, that the Chairperson of the Board of Commissioners is hereby authorized to sign any necessary documents after approval as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 7

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE UTILIZATION OF GRANT MATCHING FUNDS FOR THE LAKE LANSING PARK-SOUTH BEACH HOUSE RENOVATION PROJECT

RESOLUTION # 14 –

WHEREAS, the Parks Department applied for a 2013 Department of Natural Resources (DNR) Recreation Passport Grant for renovations to the Lake Lansing Park-South Beach House and the grant application did not score high enough to be approved by the DNR; and

WHEREAS, the application received a low score due to the unpaved parking lot which is viewed by the DNR as providing poor accessibility; and

WHEREAS, the existing building is over 35 years old, serves over 230,000 park visitors each year, and requires structural and mechanical upgrading to protect the integrity of the building and ensure visitor safety; and

WHEREAS, in the Parks 2013 Capital Improvement Budget (line item 450-75200-976000) $15,000 was approved as matching funds for the Recreation Passport Grant; and

WHEREAS, park staff desires to complete the critical portions of the renovation project in 2014 and recommends that the previously approved matching funds still be used for the needed renovations.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the $15,000.00 approved for the match for the 2013 Lake Lansing Park-South Recreation Passport grant application be utilized for the Lake Lansing Park-South Beach House renovation project.

COUNTY SERVICES: **Yeas**: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 8

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE SIGNING OF A ROAD ASSESSMENT PETITION FOR THE PAVEMENT OF A GRAVEL PORTION OF PERRY ROAD

RESOLUTION # 14 –

WHEREAS, Ingham County owns property in Meridian Township with 535 feet of road frontage on Perry Road; and

WHEREAS, the Lake Lansing Special Assessment District Advisory Committee (SAD) has identified this gravel road as a source of sediment that flows into Lake Lansing; and

WHEREAS, the SAD has recommended to Meridian Township that Perry Road be paved in an effort to continue their work in improving the health of Lake Lansing and its watershed; and

WHEREAS, Meridian Township will petition the land owners along Perry Road in regards to a special assessment district to finance the project; and

WHEREAS, if assessed, the County's assessment is estimated at $10,000 which equates to the approximate 36% of road frontage the County owns on Perry Road; and

WHEREAS, the Ingham County Parks Commission supports the project concept and the work of the SAD and recommends that the Ingham County Board of Commissioners agrees to and signs the Perry Road Assessment Petition; and

WHEREAS, the Parks Commission will recommend funding for the assessment in the Parks Department's 2015 Capital Improvement Request.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the Board Chairperson to sign the Perry Road Assessment Petition and agrees to pay the assessment if levied by Meridian Township.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 9

Introduced by the County Services and the Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION APPROVING THE INGHAM COUNTY BROWNFIELD AUTHORITY BROWNFIELD PLAN FOR THE NEW DUNKIN DONUTS/SUNOCO DEVELOPMENT LOCATED AT 3340 OKEMOS ROAD AND 2221 UNIVERSITY PARK DRIVE ALAIEDON TOWNSHIP, MICHIGAN

RESOLUTION # 14 –

WHEREAS, the Ingham County Board of Commissioners created the Ingham County Brownfield Redevelopment Authority (ICBRA) in September 2001 (Resolution #01-279) pursuant to PA 381 of 1996, as amended (the Act) in order to promote the redevelopment of environmentally distressed functionally obsolete, and/or blighted areas of the County; and

WHEREAS, the ICBRA pursuant to and in accordance with the provisions of the Act has prepared and recommended for approval by the Ingham County Board of Commissioners a Brownfield Plan (the Plan) pursuant to and in accordance with Section 13 of the Act; and

WHEREAS, the ICBRA provided notice at least ten (10) days before the meeting at which Ingham County Board of Commissioners held a Public Hearing on the Plan; and

WHEREAS, the ICBRA has, at least ten (10) days before the meeting of the Ingham County Board of Commissioners at which the this resolution has been considered, provided notice to and fully informed all taxing jurisdictions (the Taxing Jurisdictions) which are affected by the Financing Plan about the fiscal and economic implications of the proposed Financing Plan, and the Board of Commissioners has previously provided the Taxing Jurisdictions a reasonable opportunity to express their views and recommendations regarding the Financing Plan and in accordance with Sections 13(13) and 14(1) of the Act; and

WHEREAS, Ingham County Board of Commissioners has made the following determinations and findings:

A. The Plan constitutes a public purpose under the Act;
B. The Plan meets all of the requirements for a Brownfield Plan set forth in Section 13 of the Act;
C. The proposed method of financing the costs of the eligible activities as described in the plan, is feasible;
D. The costs of the eligible activities proposed in the Plan are reasonable and necessary to carry out the purposes of the Act;
E. The amount of captured taxable value estimated to result from the adoption of the Plan is reasonable; and

WHEREAS, as a result of its review of the plan and upon consideration of the views and recommendations of the Taxing Jurisdictions, the Ingham County Board of Commissioners desires to proceed with approval of the Plan; and

WHEREAS, on March 14, 2014, the Alaiedon Township Board of Trustees held a public hearing on the plan and passed a resolution approving the plan.

THEREFORE BE IT RESOLVED that pursuant to the authority vested in Ingham County Board of Commissioners by the Act, and pursuant to and in accordance with the provisions of Section 14 of the Act, the Plan is hereby approved in the form attached as Exhibit A to this Resolution, and should any section , clause or phrase of this Resolution be declared by the Courts to be invalid, the same shall not affect the validity of this Resolution as a whole nor any part thereof other than the part so declared to be invalid.

BE IT FURTHER RESOLVED, that Ingham County Board of Commissioners authorizes the Chair to sign all agreements and other documents needed to implement the plan.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

INGHAM COUNTY BROWNFIELD REDEVELOPMENT AUTHORITY

BROWNFIELD PLAN

March 6, 2014
(Revised May 8, 2014)

FOR THE NEW DUNKIN DONUTS/SUNOCO DEVELOPMENT LOCATED AT 3440 OKEMOS ROAD AND 2221 UNIVERSITY PARK DRIVE, ALAIEDON TOWNSHIP, MICHIGAN

Prepared on Behalf of:

Dadco Properties LLC
3490 Okemos Road
Okemos, Michigan 48864
Contact Person: Mr. Chris Haddad
Telephone: (517) 927-7787

Prepared By:

PM Environmental, Inc.
3340 Ranger Road
Lansing, Michigan 48906
Contact Person: Peter S. Bosanic, P.E.
Telephone: 517-321-3331

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APPENDICES

Appendix A Legal Description
Appendix B Site Maps and Site Photos
Appendix C Baseline Environmental Assessment/Documentation of a “facility”
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PROJECT SUMMARY

Project Name:	New Dunkin Donuts/Sunoco Development
Project Location:	The property is located in Township Three (3) North (T. 3N), Range one (1) west (R. 1W), Section 04, Alaiedon Township, Ingham County, Michigan.
Type of Eligible Property:	Property is determined to be a "facility" and adjacent or contiguous to a property that is a "facility"
Eligible Activities:	Baseline Environmental Assessment Activities, Due Care Activities, Demolition, Asbestos Inspection and Abatement, Brownfield Plan Preparation
Reimbursable Costs:	$102,305 (plus a 15% contingency of $15,346)
Years to Complete Developer Reimbursement	Approximately 13 years
Estimated Capital Investment:	Approximately $1,580,000 total
Project Overview:	Dadco Properties, LLC intends to redevelop the two vacant underutilized parcels located at 3440 Okemos Road and 2221 University Park Drive in Alaiedon Township ("the Property"). The proposed redevelopment includes construction of a new gas station with an associated convenience store with two tenant spaces currently anticipated for Dunkin Donuts and Jimmy Johns. The two former parcels have been combined to create a new single parcel of approximately 2.54 acres. In addition, an expected 16 new full-time and 20 new part-time jobs will be created along with 22 full and part time jobs that will be retained as a result of this development. This development will put two underutilized properties back into use, at a very prominent location within the Township.

I. INTRODUCTION AND PURPOSE

In order to promote the revitalization of environmentally distressed and blighted areas within the boundaries of Ingham County ("the County"), the County has established the Ingham County Brownfield Redevelopment Authority (ICBRA) the "Authority" pursuant to the Brownfield Redevelopment Financing Act, Michigan Public Act 381 of 1996, as amended ("Act 381").

The primary purpose of this Brownfield Plan ("Plan") is to promote the redevelopment of and private investment in certain "Brownfield" properties within the County. 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 County.

The Property is currently zoned B-1 – General Business, is currently vacant, and located in an area of Alaiedon Township in Ingham County characterized by commercial properties.

The identification or designation of a developer or proposed use for the eligible property that is subject to this Plan shall not be integral to the effectiveness or validity of this Plan. 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 developer or 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 Act 381. The applicable sections of Public Act 381, as amended are noted throughout the plan for reference purposes.

This Brownfield Plan contains information required by Section 13(1) of Act 381.

This Brownfield Plan is a single phase associated with the redevelopment of the property.

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

SUBJECT PROPERTY

The Property historically has existed as two (2) legal parcels with street addresses of 3440 Okemos Road and 2221 University Park Drive. The current tax ID numbers of the Property are 33-06-06-04-202-011 and 33-06-06-04-202-012, respectively. These parcels have been split/combined resulting in a single parcel development of approximately 2.54 acres and a new parcel number of 33-06-06-04-202-013. The parcel numbers and legal description are also included in Appendix A. A survey of the anticipated parcel breakout is provided in Appendix B.

These parcels and all tangible personal property located thereon will comprise the eligible property and is referred to herein as "the Property".

The Property is considered "eligible property" as defined by Act 381, Section 2 because (a) the Property was previously utilized or is currently utilized for a commercial purpose; and (b) the Property is determined to be a "facility" as defined by Act 381.

3440 Okemos Road (PID: 33-06-06-04-202-011)

The property was developed as a gas station in approximately 1965, and operated until the building was demolished in 1987. Automotive service activities were conducted in the northern portion of this building during that time frame. A gasoline dispensing station/convenience store and car wash were constructed in 1987, and operated until the buildings were demolished in approximately 2010. No automotive service activities were conducted during this time frame and the parcel has been vacant since approximately 2010.

A location where a release has occurred or a threat of release exists from an underground storage tank system, excluding any location where corrective action was completed which satisfies the applicable risk-based screening levels (RBSL) or Site-specific target level (SSTL) is a "site" pursuant to Part 213.

Contaminant concentrations identified on the subject property in groundwater indicated exceedances to the Part 213 drinking water and groundwater surface interface (GSI) RBSLs. Additionally, the subject property is an open LUST site. Therefore, the subject property is a "site" in accordance with Part 213 of P.A. 451, as amended, and the rules promulgated thereunder.

2221 University Park (PID: 33-06-06-04-202-012)

The current restaurant building was constructed on the eastern parcel in 1986 and was occupied by various restaurants, including a Big Boy, from construction until the building was vacated within the last couple of years.

This property is contiguous to the "facility" located at 3440 Okemos Road. According to Section 2(o)(ii) of Act 381, "eligible property" also includes parcels that are adjacent or contiguous to a "facility" if the development of the adjacent or contiguous parcels is estimated to increase the captured taxable value of that property. The development of this parcel will increase the total

investment of this project, and increase the taxable values of each significantly. Therefore, the 2221 University Park can be considered "eligible property".

PROJECT DESCRIPTION

Dadco Properties, LLC intends to redevelop the now combined parcels located at 3440 Okemos Road and 2221 University Park Drive in Alaiedon Township. The proposed redevelopment includes constructing a new retail gasoline dispensing station with an associated Convenience Store and two tenant spaces currently anticipated for Dunkin Donuts and Jimmy Johns.

Redevelopment will require building and site demolition of the former Big Boy restaurant and environmental cleanup associated with the former gasoline station.

The Developer hopes to utilize local tax increment financing (TIF) to reimburse eligible expenses associated with redeveloping the brownfield property. These expenses include Environmental Site Assessments, Brownfield Plan Preparation, Due Care Activities, Asbestos Containing Materials Survey and Abatement, and Demolition. A preliminary site plan is included in Appendix B, which also shows a proposed use for the south adjoining parcel as a Culvers Restaurant that is not included as part of this brownfield plan.

IV. BROWNFIELD PLAN ELEMENTS

A. Description of Costs to Be Paid for with Tax Increment Revenues and Summary of Eligible Activities (Sec. 13 (1)(a),(b))

Tax Increment Financing revenues will be used to reimburse the costs of "eligible activities" (as defined by Section 2(n)(i),(ii), 2(n)(vii)(A),(B), and 2(n)(viii) of Act 381, as amended) as permitted under the Brownfield Redevelopment Financing Act that include: Environmental Site Assessment (ESA) Activities, Due Care Activities, Demolition, Asbestos Containing Materials Survey and Abatement, and preparation of a Brownfield Plan as described in this Plan. A complete listing of these activities is included in Table 1 of Appendix D.

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 the cost of eligible activities and will incur no debt.

Environmental Site Assessment Activities; Phase I ESA and Phase I ESA Update, Phase II (including Ground Penetrating Radar (GPR)), Baseline Environmental Assessment (BEA), and Documentation of Due Care Compliance at a cost of $17,305.

Due Care Activities; Necessary removal of contaminated soil associated with the development activities and the abandonment, removal, and replacement of existing monitoring wells at an estimated cost of $25,000.

Asbestos Activities; Pre-demolition asbestos containing materials survey and abatement at an estimated cost of $19,800.

Demolition; building demolition and site demolition, including parking lot removal and utility removal at an estimated cost of $35,000.

Preparation of Brownfield Plan and associated activities (e.g. meetings with ICBRA, etc.) at a cost of approximately $5,200.

A 15% contingency of $15,346 is established to address unanticipated environmental and/or other conditions that may be discovered through the implementation of site activities.

All activities are intended to be "Eligible Activities" under the Brownfield Redevelopment Financing Act. The total estimated cost of Eligible Activities subject to repayment or reimbursement from tax increment revenues is approximately $102,305 with a potential $15,346 contingency, resulting in an approximate total, to not exceed cost of $117,651.

B. Estimate of Captured Taxable Value and Tax Increment Revenues (Sec. 13(1)(c))

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 2014-2015. The effective base taxable value of the land and real property is $356,500; no personal property is associated with the site.

The estimated taxable value of the completed development is $750,000 beginning in 2014. Tax increment revenue assumes a one-year phase-in for completion of the redevelopment, which has been incorporated into the tax impact and cash flow assumptions for this plan. An annual increase in taxable value of 1% has been used for calculation of future tax increments in this plan.

The estimated captured taxable value and tax increment revenues for the Property and millages levied by the taxing jurisdictions for each year of the plan are presented in Table 2 in Appendix D.

C. Method of Financing and Description of Advances by the Municipality (Sec. 13(1)(d))

Redevelopment activities at the property will be initially funded by Dadco Properties, LLC. Costs for eligible activities funded by Dadco Properties, LLC will be repaid under the Michigan brownfield redevelopment financing program with incremental taxes generated by future development of the property. No advances will be made by the ICBRA for this project.

D. Maximum Amount of Note or Bonded Indebtedness (Sec. 13(1)(e))

Ingham County will not incur a financial note or bonded indebtedness for this project. Therefore, a reporting on indebtedness is not required.

E. Beginning Date and Duration of Brownfield Plan (Sec. 13(1)(f))

The duration of this Plan should be not less than the period required to reimburse all eligible activities. The approval date of the Brownfield Plan by the Ingham County Board of Commissioners will mark the beginning of the reimbursement period, unless modified at the discretion of the Commission as allowed under Act 381. In no event, however, shall this Plan

extend beyond the maximum term allowed by Section 13(22) of Act 381 for the duration of this Plan, currently limited to 30 years.

F. Estimated Impact of Tax Increment Financing on Revenues of Taxing Jurisdictions (Sec. 13(1)(g))

Tax increments are projected to be captured and applied to reimbursement of eligible activity costs in the amount of $117,651. Taxes will continue to be generated to taxing jurisdictions on local captured millages at the base taxable value of the estimated $356,500 throughout the duration of this plan totaling approximately $103,623, or $7,951 annually as presented in the table below.

Local Taxes - Millage		**Taxes Generated**	
County Operating	6.3512	$	2,264
Alaiedon Township	0.8406	$	300
Public Libraries	1.5600	$	556
911	0.8431	$	301
Airport Authority	0.6990	$	249
Juvenile Justice	0.6000	$	214
Special Trans	0.4800	$	171
Public Trans	0.1200	$	43
Farmland Pres.	0.1400	$	50
Health Services	0.5200	$	185
Lansing Community College	3.8072	$	1,357
Ingham Intermediate	5.9881	$	2,135
Potter Park Zoo	0.4100	$	146
Total Local Taxes (capturable)	**22.3592**	$	7,971

Non-capturable millages and school millages will see an immediate increase in tax revenue following redevelopment and will provide anticipated new tax revenue of $180,216 throughout the duration of this plan, as presented in the table below

Debt and Non-Capturable Millages			
Ok Sch Sink Fund	0.9919	$	5,582
Okemos Debt	7.0000	$	39,392
Indigent Vet Fund	0.0330	$	186
Total Debt and Non-Capturable Millages	**8.0249**	**$**	**45,159**
School Millages - Not Captured			
School Operating FC	18.0000	$	101,293
State Education Fund	6.0000	$	33,764
Total School Taxes	**24.0000**	**$**	**135,057**

For a complete breakdown of the captured millages and developer reimbursement please see "Table 2" in Appendix D.

G. Legal Description, Property Map, Statement of Qualifying Characteristics and Personal Property

The legal description of the property included in this plan is attached in Appendix A.

A map of the project location and site drawings is included in Appendix B.

A copy of the Baseline Environmental Assessment (BEA) text, figures, and tables, which documents the status of the Property as a "facility", is included in Appendix C.

H. Displacement and Relocation of Individuals on Eligible Property (Sec. 13(i-l))

No displacement of residents or families is expected as part of this project.

I. Description of Proposed Use of Local Site Remediation Revolving Fund (Sec. 13(m))

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 (Sec. 13(n))

None

Appendix A

PM ENVIRONMENTAL Environmental & Engineering Services

Dadco 2014 legal description
Parcel #33-06-06-04-202-013

COM AT N 1/4 COR SEC 4 - S 0D10'19"E ALNG NS 1/4 LN 600 FT - N89D49'41"E 50 FT TO E LN OKEMOS RD & POB - N0D10'19"W ALNG SD E LN .51 FT - N89D46'54"E ALNG S LN LOT 37 OF UNIVERSITY COMM PARK AND ITS EXTENSION 199.57 FT TO W LN OF SD LOT 37 - N0D14'3"W ALNG SD W LN EXTENDED 17.82 FT TO N SD LOT 37 - ALNG SD N LN N79D4'18"E 32.52 FT & SELY 233.16 FT ALNG CURVE TO RT RADIUS OF 834 FT DELTA ANGLE OF 16D1'5" & CHORD BRG S82D9'40"E 232.4 FT TO NE COR SD LOT 37 - S15D51'2"W ALNG E LN SD LOT 37 253.21 FT - S88D56'37"W 191.92 FT TO W LN SD LOT 37 - N89D44'25"W 174.85 FT TO N LN OF 1-96 ROW - ALNG SD N LN N0D10'19"W 52.85 FT & S89D49'41"W 25 FT TO SD E LN OKEMOS RD - N0D10'19"W ALNG SD E LN 200 FT TO POB T3N R1W 2.54 AC

Michigan Department of Treasury.
STC 1019 (Rev. 11-13)

THIS IS NOT A TAX BILL

L-4400

Notice of Assessment, Taxable Valuation, and Property Classification

This form is issued under the authority of P.A. 206 of 1893, Sec. 211.24 (c) and Sec.211.34c, as amended. This is a model assessment notice to be used by the local assessor.

FROM ALAIEDON TOWNSHIP

2021 W HOLT RD
MASON MI 48854

PARCEL IDENTIFICATION

PARCEL CODE NUMBER: 33-06-06-04-202-013

PROPERTY ADDRESS:

2221 UNIVERSITY PARK
OKEMOS, MI 48864

NAME AND ADDRESS OF OWNER OR PERSON NAMED ON ASSESSMENT ROLL:

DADCO PROPERTIES LLC
3490 S OKEMOS
OKEMOS MI 48864

PRINCIPAL RESIDENCE EXEMPTION

% Exempt As "Homeowners Principal Residence":	.00%
% Exempt As "Qualified Agricultural Property":	.00%
% Exempt As "MBT Industrial Personal":	.00%
% Exempt As "MBT Commercial Personal":	.00%
Exempt As "Qualified Forest Property":	☐ Yes ☒ No

ACCORDING TO MCL 211.34c THIS PROPERTY IS CLASSIFIED AS: 201 (COMM-IMPROVED)

PRIOR YEAR'S CLASSIFICATION: 999

This Change in taxable value will increase/decrease your tax bill for this year by approximately: **$19,388**	PRIOR AMOUNT YEAR: **2013**	CURRENT AMOUNT YEAR: **2014**	CHANGE
1. TAXABLE VALUE (Current amount is tentative):	0	356,500	356,500
2. ASSESSED VALUE:	0	356,500	356,500
3. TENTATIVE EQUALIZATION FACTOR: 1.000			
4. STATE EQUALIZED VALUE (Current amount is tentative):	0	356,500	356,500
5. There WAS/WAS NOT a transfer of ownership on this property in 2013 . WAS NOT			

The 2014 Inflation rate Multiplier is: 1.016

Legal Description: COM AT N 1/4 COR SEC 4 - S 0D10'19"E ALNG NS 1/4 LN 600 FT - N89D49'41"E 50 FT TO E LN OKEMOS RD & POB - N0D10'19"W ALNG SD E LN .51 FT - N89D46'54"E ALNG S LN LOT 37 OF UNIVERSITY COMM PARK AND ITS EXTENSION 199.57 FT TO W LN OF SD LOT 37 - N0D14'3"W ALNG SD W LN EXTENDED 17.82 FT TO N SD LOT 37 - ALNG SD N LN N79D4'18"E 32.52 FT & SELY 233.16 FT ALNG CURVE TO RT RADIUS OF 834 FT DELTA ANGLE OF 16D1'5" & CHORD BRG S82D9'40"E 232.4 FT TO NE COR SD LOT 37 - S15D51'2"W ALNG E LN SD LOT 37 253.21 FT - S88D56'37"W 191.92 FT

March Board of Review Information:

THE ASSESSMENT CHANGED FOR THE FOLLOWING REASON(S): MARKET ADJUSTMENT, NEW PARCEL . BOARD OF REVIEW WILL MEET AT THE ALAIEDON TOWNSHIP HALL ON THE FOLLOWING DATES AND TIMES: MONDAY, MARCH 10, 2014 FROM 9:00 AM TO 3:00 PM - TUESDAY MARCH 11, 2014 FROM 3:00 PM TO 9:00 PM. TO APPEAL CALL (517)676-9277 FOR AN APPOINTMENT.

* If you believe that these values, the property classification, or the information on line 5 is incorrect you may protest to the Local Board of Review, which will meet at: (see above)

* A nonresident may protest to the Board of Review by letter. Letter appeals are to be accompanied by a completed Board of Review petition form (form L-4035 or an alternate petition form used by the local unit of government). The petition form approved by the State Tax Commission (form L-4035) is available at www.michigan.gov/treasury. When you reach the site, click on Forms (at top of page), then click on Property Tax, then click on Board of Review.

* Proposal A, passed by the voters on March 15, 1994, requires your property taxes to be calculated on the Taxable Value (see line 1 above). If there is a number entered in the "Change" column at the right side of the Taxable Value line, that number is not your change in taxes. It is the change in Taxable Value.

* State Equalized Value (SEV) is the Assessed Value multiplied by the Equalization Factor, if any (see line 3 above). State Equalized Value must approximate 50% of market value.

* IF THERE WAS A TRANSFER OF OWNERSHIP on your property in 2013, your 2014 Taxable Value will be the same as your 2014 State Equalized Value.

* IF THERE WAS NOT A TRANSFER OF OWNERSHIP on your property in 2013, your 2014 Taxable Value is calculated by multiplying your 2013 Taxable Value (see line 1 above) by (which is the Inflation Rate Multiplier for the current year). Physical changes in your property may also increase or decrease your Taxable Value. Your 2014 Taxable Value cannot be higher than your 2014 State Equalized Value.

The denial of an exemption from the local school operating tax for "qualified agricultural properties" may be appealed to the local Board of Review. The denial of an exemption from the local school operating tax for a "homeowner's principal residence" may be appealed to the Michigan Tax Tribunal by the filing of a petition within 35 days of issuanceof this notice. The petition must be a Michigan tax Tribunal form or a form approved by the MichiganTax Tribunal. Michigan Tax Tribunal forms are available at www.michigan.gov/taxtrib.

Protest at the Board of Review is necessary to protect your right to further appeals to the Michigan Tax Tribunal for valuation and exemption appeals and to the State Tax Commission for classification appeals. Properties classified Commercial Real, Industrial Real or Developmental Real may be appealed to the regular March Board of Review or to the Michigan Tax Tribunal by filing a petition by May 31. Commercial Personal, Industrial Personal, or Utility Personal Property may be appealed to the regular March Board of Review or to the Michigan Tax Tribunal by filing of a petition by May 31 if a personal property statement was filed with the local unit prior to the commencement of the Board of Review as provided by MCL 211.19. The petition must be a Michigan Tax Tribunal form or a form approved by the Michigan tax Tribunal. Michigan Tax Tribunal forms are available at www.michigan.gov/taxtrib.

HOMEOWNER'S PRINCIPAL RESIDENCE AFFIDAVIT INFORMATION REQUIRED BY P.A. 114 OF 2012. If you purchased your principal residence after May 1 last year, to claim the principal residence exemption, if you have not already done so, you are required to file an affidavit by June 1 for the immediately succeeding summer tax year levy and all subsequent tax levies or by November 1 for the immediate succeeding winter tax levy and all subsequent tax levies.

General Property Information

Ingham County

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Parcel: 33-06-06-04-202-011 **Unit:** ALAIEDON TWP

Property Address [collapse]

3440 OKEMOS
OKEMOS, MI 48864

Owner Information [collapse]

MARKHAM RANDOLPH G TRUST
1901 JOLLY RD
OKEMOS, MI 48864

Unit: 33-06

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class:	202 - COMM-VAC	**Assessed Value:**	$259,600
School District:	33170 - OKEMOS	**Taxable Value:**	$259,600
State Equalized Value:	$259,600	**Map #**	
USER NUM IDX	2012	**Date of Last Name Chg:**	09/01/2010
		Date Filed:	
		Notes:	N/A
Historical District:	N/A	**Census Block Group:**	N/A

Principal Residence Exemption	June 1st	Final
2013	0.0000 %	-
2012	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	$260,600	$260,600	$260,600
2011	$378,500	$378,500	$279,980

Land Information [collapse]

	Frontage		Depth
Lot 1:	0.00 Ft.		0.00 Ft.
Lot 2:	0.00 Ft.		0.00 Ft.
Lot 3:	0.00 Ft.		0.00 Ft.
Total Frontage:	0.00 Ft.	**Average Depth:**	0.00 Ft.

Total Acreage:	2.27		
Zoning Code:			
Land Value:	$519,126	**Mortgage Code:**	
Land Improvements:	$0	**Lot Dimensions/Comments:**	
Renaissance Zone:	NO		
Renaissance Zone Expiration Date:			

ECF Neighborhood Code: 04 - JOLLY/OKEMOS COMM

Legal Information for 33-06-06-04-202-011 [collapse]

BEG AT N 1/4 COR OF SEC 4 -S0D10'19"E ALNG NS 1/4 SEC LN 600 FT & N89D49'41"E 50 FT TO POB -N89D49'41"E 200 FT -S 0D10'19"E 396.57 FT TO I-96 LMTD ACCESS R/W -S89D49'41"W 175 FT -N0D10'19"W 196.57 FT -S89D49'41"W 25 FT - N0D10'19"W200 FT TO POB ALSO INC THAT PART OF LOT 37 OF UNIVERSITY COMMERCE PARK DESC AS BEG AT SE CORN OF SD LOT 37 - WLY ALNG S LN SD LOT 37 150 FT- NLY ALNG W LN OF LOT 37 142.4 FT - ELY 192.13 FT TO PT ON E LN SD LOT 37 - SLY SD E LN 151.24 FT TO POB SEC 4 T3NR1W

Sales Information

1 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
10/22/2007	$200,000.00	WD	HADCO	MARKUM RANDOLPH G TRUST	INVALID SALE	3284/1232

Note
ONLY FOR PORTION

Building Information

0 building(s) found.

Description	Floor Area	Yr Built	Est. TCV

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General Property Information

Ingham County

[Back to Non-Printer Friendly Version] [Send To Printer]

Parcel: 33-06-06-04-202-012 **Unit:** ALAIEDON TWP

Property Address [collapse]

2221 UNIVERSITY PARK
OKEMOS, MI 48864

Owner Information [collapse]

HADCO W D L L C
2912 WOODRUFF AVE
LANSING, MI 48912

Unit: 33-06

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class:	201 - COMM-IMP	**Assessed Value:**	$435,700
School District:	33170 - OKEMOS	**Taxable Value:**	$429,224
State Equalized Value:	$435,700	**Map #**	
USER NUM IDX	0	**Date of Last Name Chg:**	12/08/2011
		Date Filed:	
		Notes:	N/A
Historical District:	N/A	**Census Block Group:**	N/A

Principal Residence Exemption	June 1st	Final
2013	0.0000 %	-
2012	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	$432,000	$432,000	$419,165
2011	$467,100	$467,100	$408,146

Land Information [collapse]

	Frontage		Depth
Lot 1:	0.00 Ft.		0.00 Ft.
Lot 2:	0.00 Ft.		0.00 Ft.
Lot 3:	0.00 Ft.		0.00 Ft.
Total Frontage:	0.00 Ft.	**Average Depth:**	0.00 Ft.

Total Acreage:	1.40		
Zoning Code:			
Land Value:	$320,166	**Mortgage Code:**	
Land Improvements:	$83,584	**Lot Dimensions/Comments:**	
Renaissance Zone:	NO		
Renaissance Zone Expiration Date:			

ECF Neighborhood Code:	04 - JOLLY/OKEMOS COMM

Legal Information for 33-06-06-04-202-012 [collapse]

LOT 37 UNIVERSITY COMMERCE PARK EXC THAT PART W 0F W LN EXTENDED NLY ALSO EXC BEG SE CORN OF LOT 37- WLY ALNG S LN OF LOT 37 150 FT- NLY ALNG W LN 142.4 FT- ELY 192.13 FT TO PT ON E LN OF LOT 37 - SLY ALNG SD E LN 151.24 FT TO POB SEC 4 T3NR1W 1.4 AC

Sales Information

0 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page

Building Information

1 building(s) found.

Description	Floor Area	Yr Built	Est. TCV
Commercial/Industrial Building 1 - *Restaurant*	5643 Sq. Ft.	1986	$467,626

General Information

Floor Area:	5643 Sq. Ft.	**Estimated TCV:**	$467,626
Occupancy:	Restaurant	**Class:**	C
Stories Above Ground:	1	**Average Story Height:**	12
Basement Wall Height:	0		
Year Built:	1986	**Year Remodeled:**	0
Percent Complete:	100%	**Heat:**	Complete H.V.A.C
Physical Percent Good:	62%	**Functional Percent Good:**	100%
Economic Percent Good:	100%	**Effective Age:**	19 yrs.

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Appendix B

PM ENVIRONMENTAL Environmental & Engineering Services

Photographs From Site Reconnaissance
PM Project No. 01-4481-0
Location: 2221 University Park Drive and 3440 Okemos Road
Okemos, Michigan

Photograph 1

A view of the vacant lot, looking northwest

Photograph 2

A view of the vacant lot, looking west

Photographs From Site Reconnaissance
PM Project No. 01-4481-0
Location: 2221 University Park Drive and 3440 Okemos Road
Okemos, Michigan

Photograph 3

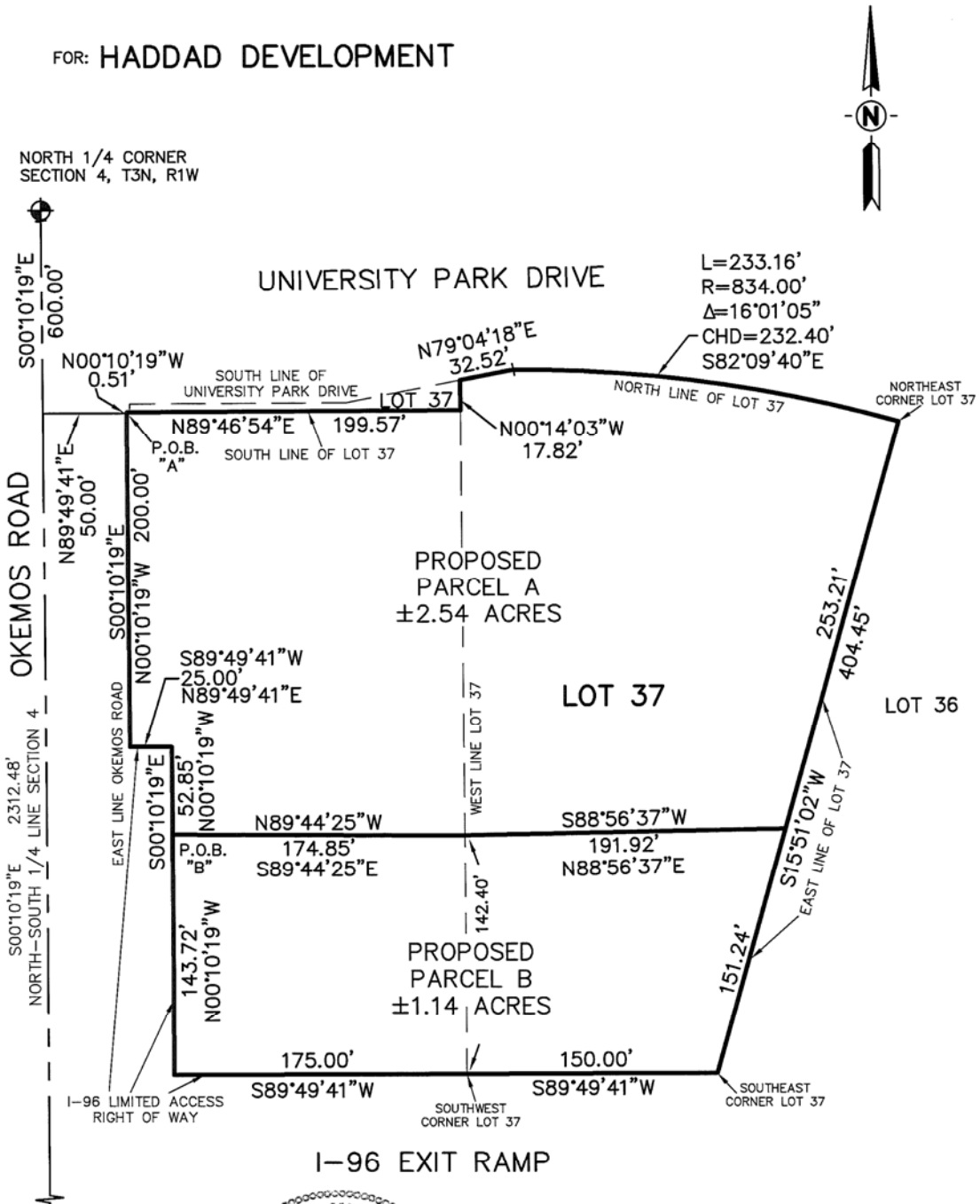
A view of the restaurant building, looking southeast

Photograph 4

The trash debris in the corral near the vacant restaurant building

SKETCH PLAN

FOR: HADDAD DEVELOPMENT



STATE OF MICHIGAN
DANE B. PASCOE
PROFESSIONAL SURVEYOR
NO. 54434
LICENSED PROFESSIONAL SURVEYOR

NOTES:
1. EASEMENTS, IF ANY, NOT SHOWN
2. IMPROVEMENTS NOT SHOWN

SCALE 1" = 80'

0 80' 160' 240'

LEGEND

- ● = Set 1/2" Bar with Cap
- □ = Found Iron as Noted
- = Survey Boundary Line
- = Distance Not to Scale
- = Fence
- 0.0'± = Denotes Distance to the Survey Line

All Dimensions are in Feet and Decimals Thereof.

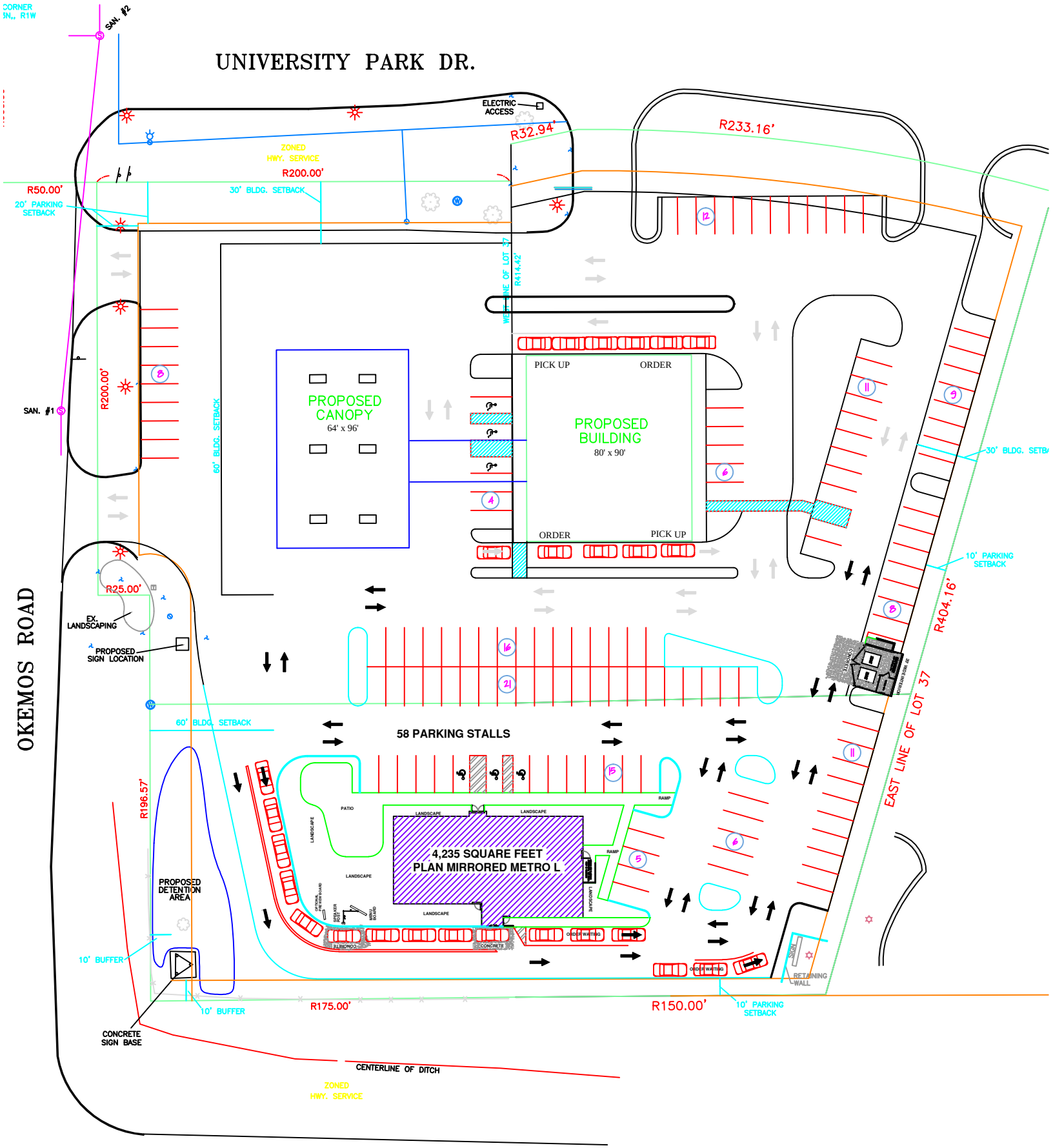
All Improvements Not Shown.

KEBS, INC. KYES ENGINEERING BRYAN LAND SURVEYS

2116 HASLETT ROAD, HASLETT, MI 48840
PH. 517-339-1014 FAX. 517-339-8047

13432 PRESTON DRIVE, MARSHALL, MI 49068
PH. 269-781-9800 FAX. 269-781-9805

DRAWN BY SLH	SECTION 4, T3N, R1W
FIELD WORK BY NAW	JOB NUMBER: 86859BND.PLT-1
SHEET 1 OF 2	



PROPOSED CULVER'S RESTAURANT
OKEMOS, MI. PLAN MIRRORED METRO L SHOWN
LOT AREA APPROX. 49,845 SQ. FT. OPTION 4

0 10' 20' 30' 50' 100'

SPH 11/15/13
CORY CHVALA

Appendix C

PM ENVIRONMENTAL Environmental & Engineering Services

PM ENVIRONMENTAL | Environmental & Engineering Services

BASELINE ENVIRONMENTAL ASSESSMENT

3440 Okemos Road | Alaiedon Township, Michigan
PM Project Number 01-4481-2

Prepared for:

Dadco Properties, LLC
3490 South Okemos Road
Okemos, Michigan 48864

Prepared by:

PM Environmental, Inc.
3340 Ranger Road
Lansing, Michigan 48906

Michigan
Alabama
Florida
Illinois
Mississippi
New Jersey
North Carolina
Ohio
Tennessee

ISO 9001 REGISTERED

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
77 Monroe Center, NW
Suite 602
Grand Rapids, MI 49503
f: 877-884-6775
t: 616-285-8857

Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

January 14, 2014

District Clerk
Michigan Department of Environmental Quality
Lansing District Office
525 West Allegan Street
Lansing, Michigan 48909

RE: Baseline Environmental Assessment for the Former Gasoline Dispensing Station Located at 3440 Okemos Road, Alaiedon Township, Michigan Parcel ID: 33-06-06-04-202-011 PM Environmental, Inc. Project No. 01-4481-2

Dear District Clerk:

Enclosed is a copy of the above-referenced document prepared in accordance with Section 21323a(1)(b)(i) of Part 213, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994, as amended.

If you have any questions regarding the information in this report, please contact us at 248.336.9988.

Sincerely,
PM ENVIRONMENTAL, INC.

Jamie Antoniewicz
Project Engineer

Steven E. Price, CHMM
Principal and Vice President of Due Diligence

Enclosure

PM ENVIRONMENTAL

ISO 9001 REGISTERED

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
77 Monroe Center, NW
Suite 602
Grand Rapids, MI 49503
f: 877-884-6775
t: 616-285-8857

Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

January 14, 2014

Mr. Chris Haddad
Dadco Properties LLC
3490 South Okemos Road
Okemos, Michigan 48864

RE: Baseline Environmental Assessment for the Former Gasoline Dispensing Station Located at 3440 Okemos Road, Alaiedon Township, Michigan
Parcel ID: 33-06-06-04-202-011
PM Environmental, Inc. Project No. 01-4481-2

Mr. Haddad:

Enclosed is a copy of the above-referenced document prepared in accordance with Section 21323a(1)(b)(i) of Part 213, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994, as amended.

If you have any questions regarding the information in this report, please contact our office at 248.336.9988.

PM ENVIRONMENTAL, INC.

Jamie Antoniewicz
Project Engineer

Steven E. Price, CHMM
Principal and Vice President of Due Diligence

Enclosure

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Figure 4: Soil Boring/Temporary Monitoring Well/Soil Gas Sample Location Map with Groundwater Analytical Results
Figure 5: Soil Boring/Temporary Monitoring Well/Soil Gas Sample Location Map with Soil Gas Analytical Results

GES

Figure 3: April 2012 Groundwater Analytical Map
Figure 4: October 2012 Groundwater Analytical Map

TABLES

Table 1: Summary of Soil Analytical Results: VOCs , PNAs, PCBs, Metals, Pesticides, and Herbicides
Table 2: Summary of Groundwater Analytical Results: VOCs , PNAs, PCBs, Metals, Pesticides, and Herbicides
Table 3: Summary of Soil Gas Analytical Results: VOCs

GES

Table 1: Groundwater Analytical Data

APPENDICES

Appendix A: Phase I ESA Update Report
Appendix B: Geophysical Survey Investigation Report
Appendix C: Soil Boring Logs
Appendix D: Laboratory Analytical Report
Appendix E: Survey Information
Appendix F: Professional Qualification Statements

1.0 INTRODUCTION AND DISCUSSION

PM has completed a Baseline Environmental Assessment (BEA) for the former gasoline dispensing station located at 3440 Okemos Road, Alaiedon Township, Michigan 48864 (Figure 1). The subject property consists of one parcel containing 2.54 acres of land.

Standard and other historical sources and interviews were able to document that a gasoline service station was constructed on the western parcel in approximately 1965, and operated until the building was demolished in 1987. Automotive service activities were conducted in the northern portion of this building during that time frame. A gasoline dispensing station/convenience store and car wash were constructed on the western parcel in 1987, and operated until the buildings were demolished in approximately 2010. No automotive service activities were conducted during this time frame. The parcel has been vacant since approximately 2010. The current restaurant building was constructed on the eastern parcel in 1986 and was occupied by various restaurants from construction until the building was vacated within the last couple of years.

Review of the Final Assessment Report Addendum prepared in October 2011 for the subject property indicates a restrictive covenant has been drafted for the property, which would restrict the use of the property to commercial and prohibit the installation of water wells on the property outside of monitoring wells for environmental site assessment activities. Additionally, the restrictive covenant documents that all soils, media, and/or debris located on the property should be managed in accordance with all applicable MDEQ regulations. The restrictive covenant is intended to be completed and filed prior to obtaining Leaking Underground Storage Tank (LUST) closure for the subject property.

1.1 Owner/Operator Information

Dadco Properties, LLC, 3490 South Okemos Road, Okemos, Michigan 48864, intends to purchase the property on January 14, 2014.

1.2 Intended Use of the Subject Property

Dadco Properties, LLC intends to redevelop the property for commercial and retail use.

1.3 Summary of All Appropriate Inquiry Phase I Environmental Assessment

PM prepared a Phase I ESA Update, dated January 14, 2014, in conformance with the scope and limitations of ASTM Practice E 1527-05 (i.e., the 'ASTM Standard'). A copy of the January 2014 Phase I ESA Update, including photographs of the subject property, is included in Appendix A.

The following on-site recognized environmental condition (REC) was identified in PM's January 2014 Phase I ESA Update:

- The subject property is an open LUST site. Based upon review of the previous subsurface investigations, groundwater contamination is present which exceeds the current MDEQ Part 213 Risk Based Screening Levels (RBSLs). Based on these analytical results, the subject property would be classified as a "site," as defined by Part 201 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended.

No adjoining and/or nearby RECs have been identified.

1.3.1 Phase I ESA Exceptions or Deletions

During the completion of the January 2014 Phase I ESA, there were no exceptions or deletions from the Federal All Appropriate Inquiry Rule under 40 CFR 312, or the ASTM Standard. To the best of PM's knowledge, no special terms or conditions applied to the preparation of the Phase I ESA.

1.3.2 Phase I ESA Data Gaps

PM did not identify any significant data gaps during the completion of the January 2014 Phase I ESA.

1.4 Summary of Previous Site Investigations

PM reviewed the following previous environmental reports for the subject property.

Name of Report	Date of Report	Company that Prepared Report
Soil Gas Survey	7-1990	Target Environmental Services, Inc.
Phase II Subsurface Investigation	3-20-1992	Groundwater Technology
Final Assessment Report	12-13-2006	Groundwater and Environmental Services, Inc. (GES)
Free Product Recovery Status Report	4-28-2009	GES
Site Assessment Report	12-1-2009	RJN Environmental, Inc.
Notice of Migration of Contamination	2-14-2011	GES
Groundwater Monitoring Report	3-25-2011	GES
Final Assessment Report Addendum	10-2011	GES
Groundwater Monitoring Report	11-20-2012	GES
Phase I ESA	7-2-2013	PM

Open or Closed LUST Site:	Open
Release Identification(s):	C-0112-85
Release Date(s)	November 19, 1984
Is soil contamination present above an applicable regulatory level?	Yes; Review of the most recent soil sampling data from October 2009 identified several volatile organic compounds (VOCs) above the most restrictive MDEQ Part 213 Risk Based Screening Levels (RBSLs). Additionally, concentrations of benzene were identified above MDEQ Part 213 Soil Volatilization to Indoor Air (SVII) RBSLs in the western portion of the property, near the original UST basin and suspected area of the release.
Is soil contamination delineated in all directions?	Yes

Is groundwater contamination present above an applicable regulatory level?	No; Review of the most recent groundwater sampling data from April and October 2012 did not identify concentrations of contaminants above the most restrictive MDEQ Part 213 RBSLs. However, no groundwater sampling has been conducted from MW-3 (area of former northern fuel dispensers) in the area where the highest concentrations of soil contaminants were previously identified since 2009.
Is groundwater contamination delineated in all directions?	Yes; a Notice of Migration of Contamination has been filed with the MDEQ, which documents that soil and groundwater contamination has historically been identified near the north and west subject property boundaries, adjacent to the Okemos Road and University Park Drive right-of-ways.
Additional information:	Major site activities have included site investigation and delineation, operation of a groundwater extraction and remediation system, UST removal and soil excavation, free product monitoring and reporting, and groundwater monitoring. Approximately 3,156,269 gallons of impacted groundwater have been recovered and treated to date. Free product was historically encountered at the site at various times between the late 1980s and between 2000 and 2007. A total of approximately 449 gallons of free product have been recovered to date. Free product has not been encountered since December 2007.

The subject property is an open LUST site. Based upon review of the previous subsurface investigations, soil contamination is present which exceeds the current Part 201 Residential and Nonresidential Generic Cleanup Criteria. Additionally, concentrations of benzene were identified in soil above MDEQ Part 213 SVII RBSLs during the most recent soil sampling event in 2009.

PM interviewed Ms. Jeanette Wardynski, employee of GES and project manager for the current LUST investigation on the subject property. Ms. Wardynski indicated that groundwater sampling conducted since October 2012 has shown similar results as the April 2012 groundwater monitoring events. Ms. Wardynski indicated that the most recent soil sampling event was conducted in 2009. Lastly, Ms. Wardynski indicated that the only site assessment activity currently being conducted is routine groundwater monitoring.

The following on-site recognized environmental condition (REC) was identified in PM's July 2013 Phase I ESA:

- The subject property is an open Leaking Underground Storage Tank (LUST) site. Based upon review of the previous subsurface investigations, soil contamination is present which exceeds the current Part 201 Residential and Nonresidential Generic Cleanup Criteria. Additionally, concentrations of benzene were identified in soil above MDEQ Part 213 Soil Volatilization to Indoor Air (SVII) Risk Based Screening Levels (RBSLs) during the most recent soil sampling event in 2009, and free product has previously been encountered at the site. The potential also exists for groundwater contamination to be present in the area of MW-3, which is located in the area where soil contamination is present above MDEQ Part 213 RBSLs. Based on these analytical results, the subject property would be classified as a “site” as defined by Part 213 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended.

- Automotive service activities were historically conducted, which included two in-ground hoists, from approximately 1965 until 1987. Historical interior waste streams associated with the service garage operations would have consisted of general hazardous

substances and/or petroleum products. Previous site assessment activities conducted on the subject property have not assessed potential contamination associated with former service activities. Additionally, in-ground hoists can have underground reservoirs for hydraulic fluids. The potential exists that a release has occurred from the former service operations and/or in-ground hoists and negatively impacted the subsurface.

- A former waste oil UST was installed in approximately 1965 and removed in 1987. PM was unable to determine the location of the former UST. Previous site assessment activities did not fully assess a potential release from the former waste oil UST. The potential exists that a release occurred from the former waste oil UST.

- The former gasoline service station building formerly utilized a private septic system located south of the former building. According to the current owner of the western parcel, the automotive service bays located in the northern portion of the former gasoline service station contained floor drains, which likely discharged to the former septic system. Previous site assessment activities conducted on the subject property have not assessed potential contamination associated with the former septic system. The historical waste management practices associated with the former septic field are unknown and may be a source of subsurface contamination.

- The current owner of the western parcel indicated that the former gasoline service station building utilized fuel oil as a heat source, which was stored in an AST located directly east of the former building. Additionally, the potential exists that the former residential dwelling utilized fuel oil as a heat source, which may have been stored in a UST or AST. The potential exists that a release of fuel oil occurred and/or for an orphan fuel oil UST(s) to be present on the property.

- Review of aerial photographs indicates the subject property was historically occupied by a farm hub (which contained a residential dwelling and four barns) from at least 1938 until 1963. In PM's professional experience, farm hubs typically include areas of environmental concern, including chemical and pesticide mixing and storage areas where concentrated spills can occur, vehicle maintenance areas, fuel supply areas, and dry wells. The potential exists for subsurface contamination to be present from spills and/or poor waste management practices.

No adjoining and/or nearby RECs have been identified.

Phase II ESA activities completed in July 2013 were intended to assess RECs identified in the July 2013 Phase I ESA.

1.5 Subsurface 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.

On July 12, 2013, PM completed a GPR survey at the subject property (Figure 2) to investigate the potential of orphan USTs as well as clear soil boring locations from private subsurface utilities. An anomaly that was identified in the GPR survey was determine to not be an anomaly based on a hand augered boring (HA-1) advanced to assess. No other anomalies consistent

with orphan USTs were identified. Refer to Appendix B for the complete geophysical investigation survey report.

On July 13, 2013, PM completed a scope of work consisting of the advancement of eight soil borings (SB-1 through SB-8), installation of four temporary monitoring wells (TMW-1, TMW-3, TMW-4, TMW-6), installation of three temporary soil gas sampling points (SG-1 through SG-3), and the collection of soil, groundwater, and soil gas samples. The soil and groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs), polynuclear aromatic compounds (PNAs), polychlorinated biphenyls (PCBs), metals (cadmium, chromium, lead), pesticides, and herbicides, or some combination thereof.

Specifically, the Phase II ESA activities were conducted in the following areas of the subject property:

Description of Soil Boring and Temporary Monitoring Well Locations

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen and DTW (feet bgs)	Analysis	Objectives	Sample Selection (justification)
HA-1 (3.5)	NA	NA	NA	Investigate anomaly identified in GPR survey	Not applicable
SB/TMW-1 (20.0)	Not sampled	10.0-15.0 (12.02)	VOCs, PNAs, PCBs, Metals	Assess potential former waste oil UST	**Soil:** Based on the limited recovery and PID readings limited to the saturated zone, a soil sample was not collected. **GW:** Sampled.
SB-2 (20.0)	4.0-4.5	NA	VOCs, PNAs, PCBs, Metals	Assess former automotive service operations	**Soil:** Sample collected from the interval with the highest PID reading (0.8 ppm). **GW:** Not sampled.
SB/TMW-3 (20.0)	Not sampled	10.0-15.0 (12.13)	VOCs, PNAs, PCBs, Metals	Assess former automotive service operations	**Soil:** Based on the limited recovery, a soil sample was not collected. **GW:** Sampled.
SB/TMW-4 (20.0)	3.5-4.0	9.77-14.77 (12.09)	VOCs, PNAs, PCBs, Metals	Assess former septic system	**Soil:** Sampled collected from the sand/clay interface **GW:** Sampled.
SB-5 (20.0)	2.5-3.0	NA	VOCs, PNAs, PCBs, Metals	Assess former fuel oil use	**Soil:** Sampled collected from the shallow interval with the highest PID reading to assess former fuel oil AST. **GW:** Not sampled.
SB/TMW-6 (10.0)	0.5-1.0	2.88-7.88 (3.25)	VOCs, PNAs, PCBs, Pesticides, Herbicides	Assess former farm hub	**Soil:** Shallow native soil sample collected based on the lack elevated impact noted in field observations. **GW:** Sampled.

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen and DTW (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB-7 (10.0)	5.0-6.0	NA	VOCs, PNAs, PCBs, Pesticides, Herbicides	Assess former farm hub	**Soil:** Sample collected from fill material. **GW:** Not encountered.
SB-8 (20.0)	0.5-1.0	NA	VOCs, PNAs, PCBs, Pesticides, Herbicides	Assess former farm hub	**Soil:** Shallow native soil sample collected based on the lack of differentiated impact noted in field observations. **GW:** Not encountered.

PID – Photoionization Detector GW – Groundwater
bgs – below ground surface

Soil Gas Sampling Locations

Location	Soil Gas Sample Depth (feet bgs)	Soil Gas Analysis	Objectives
SG-1	4.5-5.0	VOCs	Assess vapor concentrations in relation to proposed buildings
SG-2	5.5-6.0	VOCs	Assess vapor concentrations in relation to proposed buildings
SG-3	5.0-5.5	VOCs	Assess vapor concentrations in relation to proposed buildings

1.5.1 Subsurface Investigations Techniques and QA/QC Procedures

The soil borings were advanced to the desired depth using a model 6610DT 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., 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 10.2 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.

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 and rinsing with tap, deionized, or distilled water after each sample collection. Drilling and

sampling equipment was cleaned in this manner or with a high-temperature pressure washer, prior to field activities.

Soil samples for VOC analysis were preserved with methanol, in accordance with USEPA method 5035, and then 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.

Temporary monitoring wells were installed in to collect a groundwater samples for chemical analysis. New well assemblies were used for the temporary well, 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 well was 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 were placed in appropriately labeled containers, placed in an ice packed cooler, and transported under chain of custody procedures for laboratory analysis within applicable holding times.

Upon completion of the investigation, the temporary well material was removed from the soil boring 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.

The sub-slab soil gas sampling was completed based on the guidelines established in the May 2013 MDEQ Guidance Document for the Vapor Intrusion Pathway.

Prior to collect a soil gas sample the sampling apparatus was determined to be leak free utilizing an isolation chamber which 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 bottle methods, for laboratory analysis of VOCs. The vacuum bottles were regulated with a flow rate of 200 ml/minute, which was pre-set at the laboratory.

QA/QC samples were collected to validate the analytical results; refer to Section 6.2 for additional information.

1.6 Geology and Hydrogeology

Based on review of the soil boring logs, variable geology was observed on the subject property. Medium-stiff clay was encountered to a depth of 5.0 to 12.0 feet bgs underlain by medium sand of variable thickness, which is underlain by medium to stiff clay to a depth of 10.0 feet bgs, the maximum depth explored. Medium sand was encountered in SB-1 through SB-3 to a depth of 20.0 feet bgs. Medium stiff clay was encountered throughout SB-7 and SB-9 to a depth of 10.0 feet bgs, the maximum depth explored.

Groundwater was generally encountered between 10.0 and 15.0 feet bgs, consisted with the upper water bearing unit encountered in previous investigation. Previous investigations indicated the upper water bearing unit has a generally northern groundwater flow.

The soil boring logs are included in Appendix C, which consist of site specific geology, sample depths, and temporary monitoring well details.

2.0 LOCATION OF CONTAMINATED MEDIA ON THE SUBJECT PROPERTY

The analytical results for soil samples collected by PM were compared with the MDEQ RBSLs as presented in Attachment 1 to MDEQ Operational Memorandum Number 1 "Part 201 Cleanup Criteria and Part 213 Risk-Based Screening Levels," September 28, 2012 in accordance with Section 21323a(1)(b)(i) using the applicable RBSL or Site-specific target level (SSTL). The analytical results are summarized in Table 1 (including CAS #) and in Figure 3. Appendix C contains the complete laboratory analytical report.

Summary of Soil Exceedances

Location	Sample Depth (feet bgs)	Analysis	Exceedance of MDEQ Part 213 RBSLs					Compounds Exceeding RBSLs
			DWP (R/NR)	GSIP	DC (R/NR)	SVII (R)	SVII (NR)	
SB-2	4.0-5.0	VOCs, PNAs, PCBs, Metals						NONE
SB-4	3.5-4.0	VOCs, PNAs, PCBs, Metals						NONE
SB-5	2.5-3.0	VOCs, PNAs, PCBs, Metals						NONE
SB-6	0.5-1.0	VOCs, PNAs, PCBs, Pest, Herb						NONE
SB-7	5.0-6.0	VOCs, PNAs, PCBs, Pest, Herb						NONE
SB-8	0.5-1.0	VOCs, PNAs, PCBs, Pest, Herb						NONE

DW/P: Drinking Water/ Protection
GSI/P: Groundwater Surface Water Interface/ Protection
SVII: Soil Volatilization to Indoor Air Inhalation
DC: Direct Contact
R: Residential
NR: Nonresidential

Analytical results from soil samples collected by PM identified concentrations of cadmium, chromium, and/or lead in each sample collected below the Statewide Default Background Levels (SDBLs). No concentrations of VOCs, PNAs, PCBs, pesticides, or herbicides were identified in the samples collected by PM.

Summary of Groundwater Exceedances

Location	Date	Analysis	Exceedance of MDEQ Part 213 RBSLs					Compounds Exceeding RBSLs
			DW (R/NR)	GSI	GC	GVII (R)	GVII (NR)	
MW-23	10/4/12	Gasoline VOCs						NONE
MW-30	4/23/12	Gasoline VOCs						NONE
	10/4/12							NONE
MW-31	4/23/12	Gasoline VOCs						NONE
MW-32	4/23/12	Gasoline VOCs	**X**	**X**				**Ethylbenzene, 1,2,4 TMB, naphthalene, xylenes**
	10/4/12		**X**	**X**				**Ethylbenzene, 1,2,4 TMB, naphthalene, xylenes**
MW-33	4/23/12	Gasoline VOCs						NONE
	10/4/12							NONE
MW-35	4/23/12	Gasoline VOCs						NONE
	10/4/12							NONE
MW-37	4/23/12	Gasoline VOCs						NONE
RW-5	4/23/12	Gasoline VOCs						NONE
RW-6	10/4/12	Gasoline VOCs						NONE
RW-7	4/23/12	Gasoline VOCs						NONE
	10/4/12							NONE
TMW-1	7/13/13	VOCs, PNAs, PCBs, Metals	**X**					**Benzene**
TMW-3	7/13/13	VOCs, PNAs, PCBs, Metals						NONE
TMW-4	7/13/13	VOCs, PNAs, PCBs, Metals						NONE
TMW-6	7/13/13	VOCs, PNAs, PCBs, Pest, Herb						NONE

DW: Drinking Water
GSI: Groundwater Surface Water Interface
GC: Groundwater Contact
GVII: Groundwater Volatilization to Indoor Air Inhalation
R: Residential
NR: Nonresidential
TMB: Trimethylbenzene

Groundwater analytical results collected by PM identified a concentration of benzene in TMW-1 above the Part 213 DW RBSL. No concentrations of PNAs, PCBs, metals, pesticides, or herbicides, were identified above laboratory method detection limits (MDLs).

Groundwater analytical results from the most recently available monitoring events completed by GES identified various VOCs in MW-32 above the Part 213 DW and GSI RBSLs. Analytical results from the remaining sampled monitoring wells did not identify compounds above the most restrictive Part 213 RBSLs.

Summary of Soil Gas Exceedances

Location and Total Depth (feet bgs)	Soil Gas Sample Depth (feet bgs)	Soil Gas Analysis	Objectives	Exceedance of Vapor Intrusion Screening Levels
SG-1	4.5-5.0	VOCs	Assess vapor concentrations in relation to proposed buildings	NONE
SG-2	5.5-6.0	VOCs	Assess vapor concentrations in relation to proposed buildings	NONE
SG-3	5.0-5.5	VOCs	Assess vapor concentrations in relation to proposed buildings	NONE

Analytical results from the soil gas samples collected by PM identified various VOCs but none of the concentrations were above the most restrictive vapor intrusion soil gas screening levels.

2.1 Subject Property Site Status

A location where a release has occurred or a threat of release exists from an underground storage tank system, excluding any location where corrective action was completed which satisfies the applicable RBSL or Site-specific target level (SSTL) is a "site" pursuant to Part 213.

Contaminant concentrations identified on the subject property in groundwater indicated exceedances to the Part 213 DW and GSI RBSLs. Additionally, the subject property is an open LUST site. Therefore, the subject property is a "Site" in accordance with Part 213 of P.A. 451, as amended, and the rules promulgated thereunder.

3.0 PROPERTY INFORMATION

3.1 Legal Description of Subject Property

Refer to Appendix E for assessing information which includes a legal description.

3.2 Survey Map of Subject Property

A map of the subject property which depicts the property/parcel boundaries is included as Figure 2 and a survey and legal description of the property split/combination is included in Appendix E.

3.3 Subject Location and Analytical Summary Maps

Figures 3 through 5 and the Figures from the most recent groundwater monitoring events provides a scaled map of the site features and soil boring locations with analytical results from PM's current investigation.

3.4 Subject Property Location Map

Figure 1 provides a scaled area map 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 is located at 3440 Okemos Road, Alaiedon Township, Michigan 48864 (Figure 1).

3.6 Subject Spatial Data

As depicted in Figure 1, the subject property is located in township three North (T.3N), range one west (R.1W), section four, northwest quarter, northwest quarter-quarter in Alaiedon Township, Ingham County, Michigan.

According to the MDEQ Groundwater Mapping Project Website, the center of the subject property is located at latitude 42.6809 and a longitude of -84.4322.

4.0 FACILITY STATUS OF SUBJECT PROPERTY

As indicated in Section 2.1 based upon documented exceedances of the Part 213 DW and GSI RBSLs and the open LUST status; the subject property is a site under Part 213 of P.A. 451, as amended and the rules promulgated thereunder.

4.1 Summary Data Tables

The analytical results for the soil samples were compared with the MDEQ RBSLs as presented in Attachment 1 to MDEQ Operational Memorandum Number 1 “Part 201 Cleanup Criteria and Part 213 Risk-Based Screening Levels,” September 28, 2012 and in accordance with Section 21323a(1)(b)(i), using the applicable RBSL or SSTL. The analytical results are summarized in Tables 1 though 3 and tables from previous investigations. CAS numbers associated with each target analyte identified above the laboratory MDLs and maximum contaminant concentrations are also presented in included tables.

4.2 Laboratory Reports and Chain of Custody Documentation

Soil samples collected by PM were submitted under chain of custody procedures and within applicable holding times. Refer to Appendix D for the laboratory analytical report and associated chain of custody documentation.

5.0 IDENTIFICATION OF BEA AUTHOR

This BEA was conducted on January 14, 2014, by Mr. Jamie Antoniewicz, Project Engineer, and reviewed by Mr. Steven E. Price, CHMM, Principal and Vice President of Due Diligence, PM

Environmental, Inc., which is prior to or within 45 days of property ownership or occupancy. Qualification statements are provided as Appendix F.

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.

Steven E. Price, CHMM
Principal and Vice President of Due Diligence

6.0 AAI REPORT OR ASTM PHASE I ESA

As indicated in Section 1.3, PM performed a Phase I ESA Update of the subject property, January 14, 2014, in conformance with the scope and limitations of ASTM Practice E 1527-05 for the subject property located at 3440 Okemos Road, Alaiedon Township, Michigan 48864. The scope of the Phase I ESA included consideration of hazardous substances as defined in Section 20202(1)(x) 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.

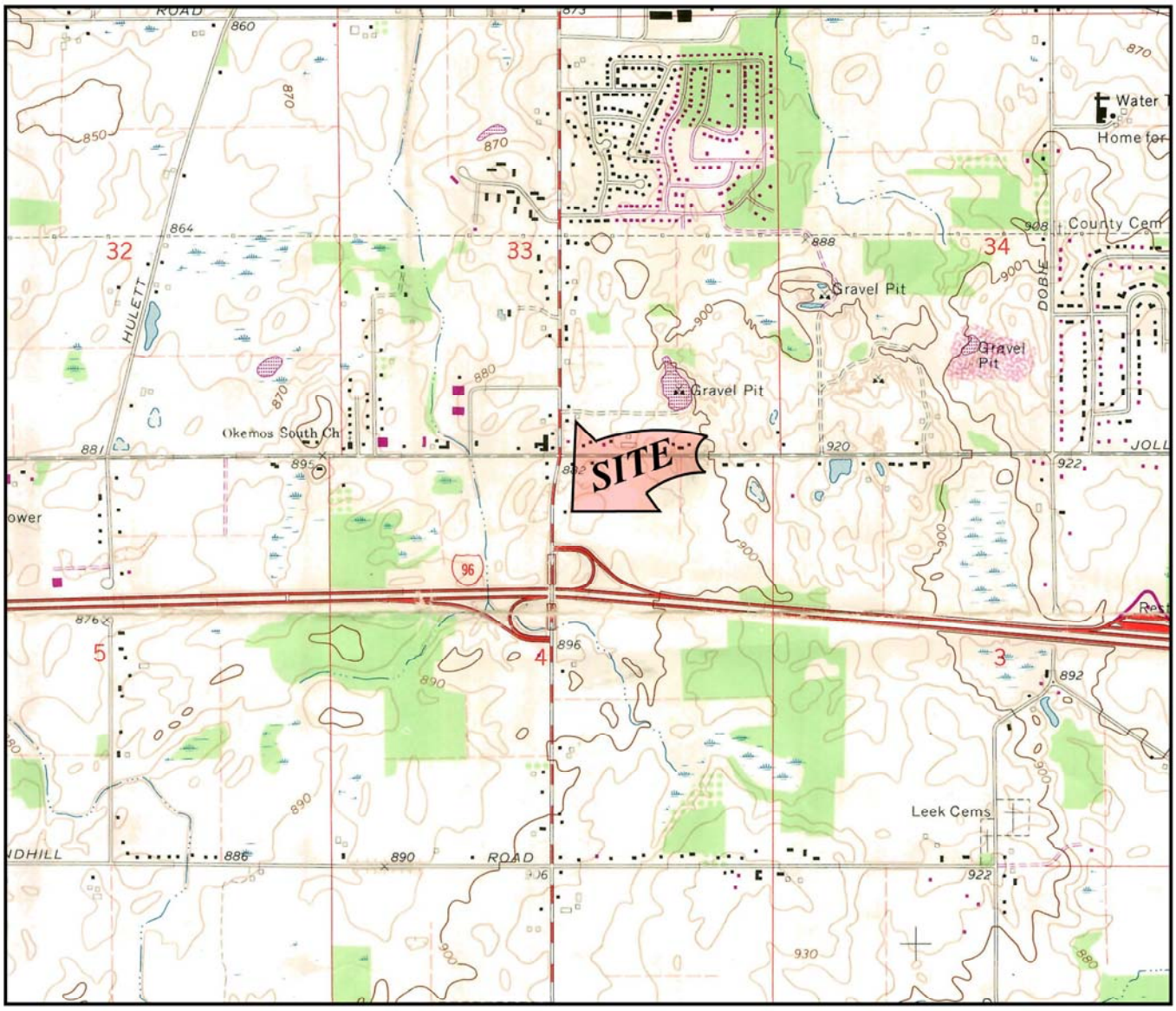
A copy of the January 2014 Phase I ESA Update is included in Appendix A.

7.0 REFERENCES

- Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM, ASTM Designation E 1527-05, Published November 2005.
- MDEQ Operational Memorandum No. 1 “Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels,” Revised September 28, 2012;
- 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 Baseline Environmental Assessment Submittal Form (EQP 4025), dated April 2011;
- Soil Gas Survey, 7-1990, Target Environmental Services, Inc.
- Phase II Subsurface Investigation, 3-20-1992, Groundwater Technology
- Final Assessment Report, 12-13-2006, Groundwater and Environmental Services, Inc. (GES)
- Free Product Recovery Status Report, 4-28-2009, GES
- Site Assessment Report, 12-1-2009, RJN Environmental, Inc.
- Notice of Migration of Contamination, 2-14-2011, GES
- Groundwater Monitoring Report, 3-25-2011, GES
- Final Assessment Report Addendum, 10-2011, GES
- Groundwater Monitoring Report, 11-20-2012, GES
- Phase I ESA, July 2013, PM;
- Phase I ESA Update, January 2014, PM.

Figures

PM ENVIRONMENTAL Environmental & Engineering Services



MICHIGAN QUADRANGLE LOCATION

INGHAM COUNTY

SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

EAST LANSING, MI QUADRANGLE, 1970. PHOTO REVISED 1976.

PM ENVIRONMENTAL | Environmental & Engineering Services

PROJ:
FORMER GASOLINE DISPENSING STATION
3440 OKEMOS ROAD
ALAIEDON TOWNSHIP, MICHIGAN

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 2,000'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: MM	DATE: 7/17/2013
CHKD BY: CK/AV	SCALE: 1" = 2,000'
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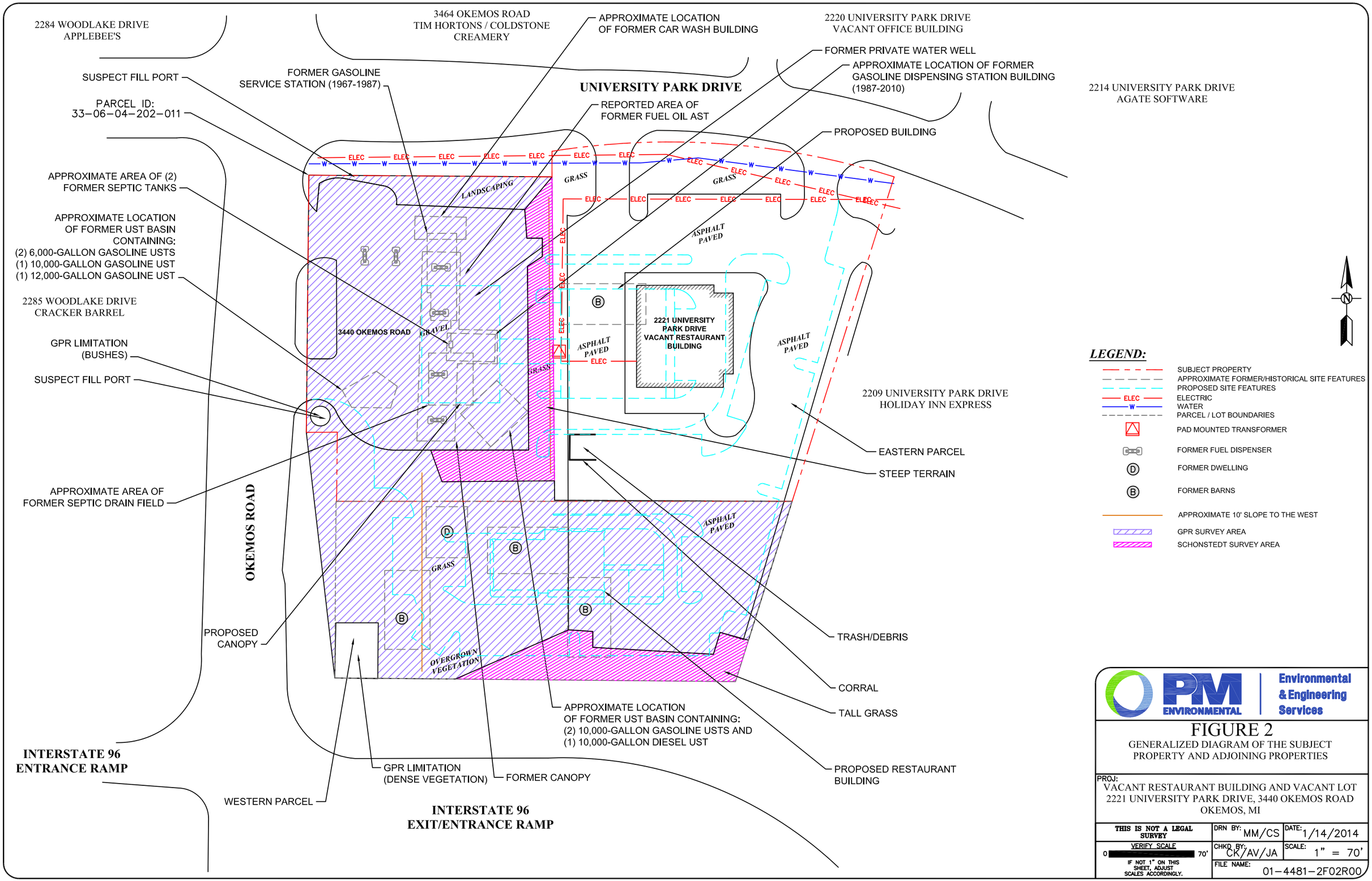

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

PROJ:
VACANT RESTAURANT BUILDING AND VACANT LOT
2221 UNIVERSITY PARK DRIVE, 3440 OKEMOS ROAD
OKEMOS, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: MM/CS	DATE: 1/14/2014
VERIFY SCALE 0 ■ 70' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: CK/AV/JA	SCALE: 1" = 70'
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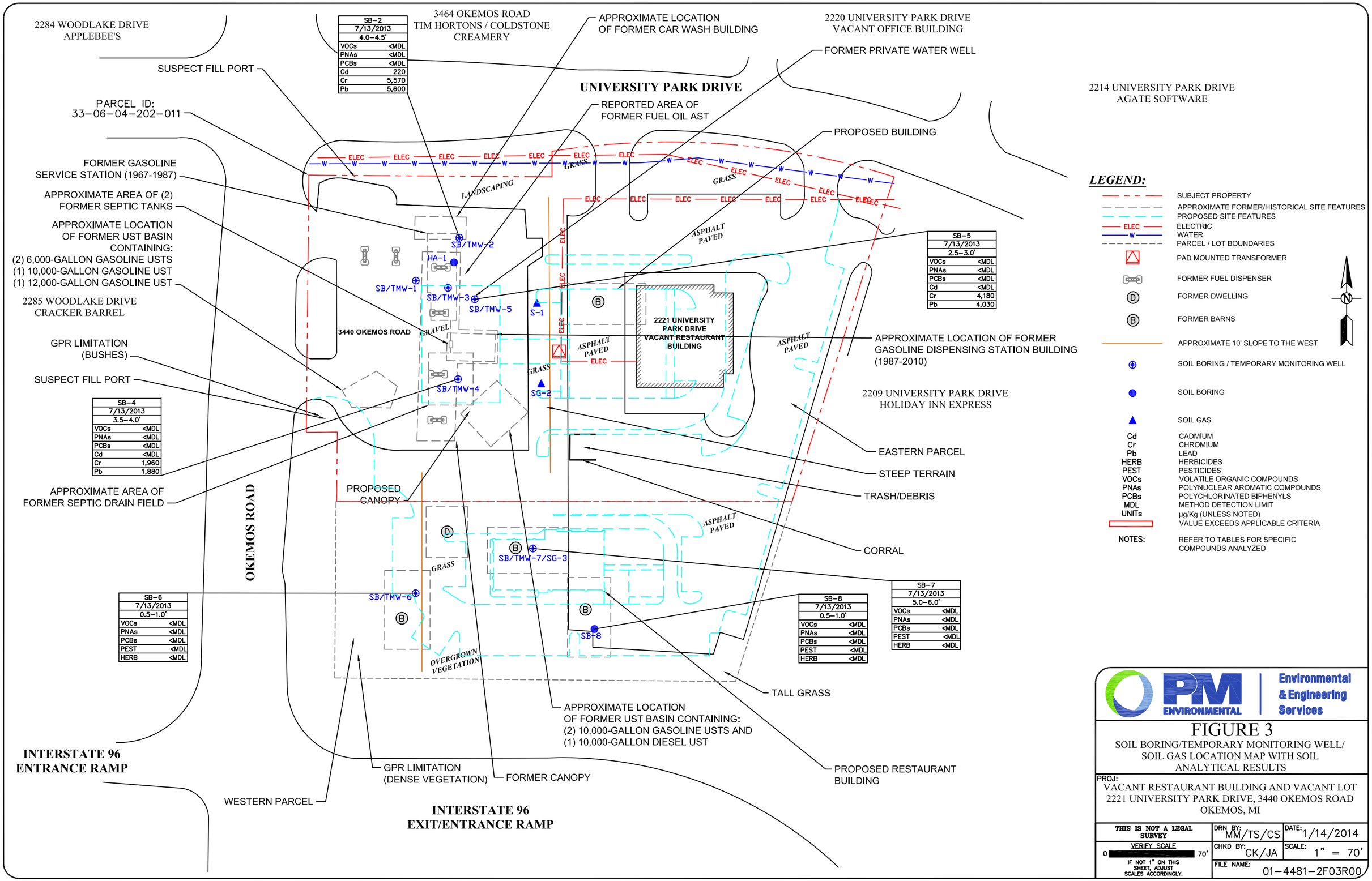


SB-2
7/13/2013
4.0-4.5'
VOCs <MDL
PNAs <MDL
PCBs <MDL
Cd 220
Cr 5,570
Pb 5,600

SB-4
7/13/2013
3.5-4.0'
VOCs <MDL
PNAs <MDL
PCBs <MDL
Cd <MDL
Cr 1,960
Pb 1,880

SB-5
7/13/2013
2.5-3.0'
VOCs <MDL
PNAs <MDL
PCBs <MDL
Cd <MDL
Cr 4,180
Pb 4,030

SB-6
7/13/2013
0.5-1.0'
VOCs <MDL
PNAs <MDL
PCBs <MDL
PEST <MDL
HERB <MDL

SB-8
7/13/2013
0.5-1.0'
VOCs <MDL
PNAs <MDL
PCBs <MDL
PEST <MDL
HERB <MDL

SB-7
7/13/2013
5.0-6.0'
VOCs <MDL
PNAs <MDL
PCBs <MDL
PEST <MDL
HERB <MDL

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PROPOSED SITE FEATURES
- ELEC — ELECTRIC
- W — WATER
- PARCEL / LOT BOUNDARIES
- PAD MOUNTED TRANSFORMER
- FORMER FUEL DISPENSER
- (D) FORMER DWELLING
- (B) FORMER BARNS
- APPROXIMATE 10' SLOPE TO THE WEST
- SOIL BORING / TEMPORARY MONITORING WELL
- SOIL BORING
- SOIL GAS

Cd	CADMIUM
Cr	CHROMIUM
Pb	LEAD
HERB	HERBICIDES
PEST	PESTICIDES
VOCs	VOLATILE ORGANIC COMPOUNDS
PNAs	POLYNUCLEAR AROMATIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
MDL	METHOD DETECTION LIMIT
UNITs	µg/Kg (UNLESS NOTED)
	VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

PM ENVIRONMENTAL — Environmental & Engineering Services

FIGURE 3

SOIL BORING/TEMPORARY MONITORING WELL/ SOIL GAS LOCATION MAP WITH SOIL ANALYTICAL RESULTS

PROJ: VACANT RESTAURANT BUILDING AND VACANT LOT
2221 UNIVERSITY PARK DRIVE, 3440 OKEMOS ROAD
OKEMOS, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: MM/TS/CS	DATE: 1/14/2014
VERIFY SCALE 0 — 70' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: CK/JA	SCALE: 1" = 70'
	FILE NAME: 01-4481-2F03R00	

2284 WOODLAKE DRIVE
APPLEBEE'S

3464 OKEMOS ROAD
TIM HORTONS / COLDSTONE CREAMERY

APPROXIMATE LOCATION OF FORMER CAR WASH BUILDING

2220 UNIVERSITY PARK DRIVE
VACANT OFFICE BUILDING

FORMER PRIVATE WATER WELL

APPROXIMATE LOCATION OF FORMER GASOLINE DISPENSING STATION BUILDING (1987-2010)

2214 UNIVERSITY PARK DRIVE
AGATE SOFTWARE

PARCEL ID:
33-06-04-202-011

FORMER GASOLINE SERVICE STATION (1967-1987)

SUSPECT FILL PORT

UNIVERSITY PARK DRIVE

REPORTED AREA OF FORMER FUEL OIL AST

PROPOSED BUILDING

TMW-1	
7/13/2013	
10.0-15.0'	SCREEN
B	30
E	5
n-PROP	5
OTHER VOCs	<MDL
PNAs	<MDL
PCBs	<MDL
Cd	<MDL
Cr	<MDL
Pb	<MDL

APPROXIMATE AREA OF (2) FORMER SEPTIC TANKS

APPROXIMATE LOCATION OF FORMER UST BASIN CONTAINING:
(2) 6,000-GALLON GASOLINE USTS
(1) 10,000-GALLON GASOLINE UST
(1) 12,000-GALLON GASOLINE UST

2285 WOODLAKE DRIVE
CRACKER BARREL

GPR LIMITATION (BUSHES)

SUSPECT FILL PORT

APPROXIMATE AREA OF FORMER SEPTIC DRAIN FIELD

TMW-4	
7/13/2013	
9.77-14.77'	SCREEN
VOCs	<MDL
PNAs	<MDL
PCBs	<MDL
Cd	<MDL
Cr	<MDL
Pb	<MDL

OKEMOS ROAD

PROPOSED CANOPY

TMW-6	
7/13/2013	
2.88-7.88'	SCREEN
VOCs	<MDL
PNAs	<MDL
PCBs	<MDL
PEST	<MDL
HERB	<MDL

INTERSTATE 96 ENTRANCE RAMP

WESTERN PARCEL

GPR LIMITATION (DENSE VEGETATION)

FORMER CANOPY

INTERSTATE 96 EXIT/ENTRANCE RAMP

TMW-3	
7/13/2013	
10.0-15.0'	SCREEN
VOCs	<MDL
PNAs	<MDL
PCBs	<MDL
Cd	<MDL
Cr	<MDL
Pb	<MDL

PROPOSED RESTAURANT BUILDING

TRASH/DEBRIS

CORRAL

TALL GRASS

APPROXIMATE LOCATION OF FORMER UST BASIN CONTAINING:
(2) 10,000-GALLON GASOLINE USTS AND
(1) 10,000-GALLON DIESEL UST

2209 UNIVERSITY PARK DRIVE
HOLIDAY INN EXPRESS

EASTERN PARCEL

STEEP TERRAIN

3440 OKEMOS ROAD

2221 UNIVERSITY PARK DRIVE VACANT RESTAURANT BUILDING

ELEC W GRASS LANDSCAPING ASPHALT PAVED GRAVEL OVERGROWN VEGETATION

SB/TMW-1 SB/TMW-2 SB/TMW-3 SB/TMW-4 SB/TMW-5 SB/TMW-6 SB/TMW-7/SG-3 SB-8 HA-1 S-1 SG-2

B D

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PROPOSED SITE FEATURES
- ELEC — ELECTRIC
- W — WATER
- PARCEL / LOT BOUNDARIES
- PAD MOUNTED TRANSFORMER
- FORMER FUEL DISPENSER
- (D) FORMER DWELLING
- (B) FORMER BARNS
- APPROXIMATE 10' SLOPE TO THE WEST
- SOIL BORING / TEMPORARY MONITORING WELL
- SOIL BORING
- SOIL GAS

Cd	CADMIUM
Cr	CHROMIUM
Pb	LEAD
HERB	HERBICIDES
PEST	PESTICIDES
B	BENZENE
E	ETHYLBENZENE
n-PROP	n-PROPYLBENZENE
VOCs	VOLATILE ORGANIC COMPOUNDS
PNAs	POLYNUCLEAR AROMATIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
MDL	METHOD DETECTION LIMIT
UNITs	µg/L (UNLESS NOTED)
	VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 4

SOIL BORING/TEMPORARY MONITORING WELL/
SOIL GAS LOCATION MAP WITH GROUNDWATER
ANALYTICAL RESULTS

PROJ:
VACANT RESTAURANT BUILDING AND VACANT LOT
2221 UNIVERSITY PARK DRIVE, 3440 OKEMOS ROAD
OKEMOS, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: MM/TS/CS	DATE: 1/14/2014
VERIFY SCALE 0 — 70' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: CK/JA	SCALE: 1" = 70'
	FILE NAME: 01-4481-2F04R00	

2284 WOODLAKE DRIVE
APPLEBEE'S

3464 OKEMOS ROAD
TIM HORTONS / COLDSTONE CREAMERY

APPROXIMATE LOCATION OF FORMER CAR WASH BUILDING

2220 UNIVERSITY PARK DRIVE
VACANT OFFICE BUILDING

FORMER PRIVATE WATER WELL

APPROXIMATE LOCATION OF FORMER GASOLINE DISPENSING STATION BUILDING (1987-2010)

2214 UNIVERSITY PARK DRIVE
AGATE SOFTWARE

SUSPECT FILL PORT

FORMER GASOLINE SERVICE STATION (1967-1987)

UNIVERSITY PARK DRIVE

PARCEL ID:
33-06-04-202-011

REPORTED AREA OF FORMER FUEL OIL AST

PROPOSED BUILDING

APPROXIMATE AREA OF (2) FORMER SEPTIC TANKS

APPROXIMATE LOCATION OF FORMER UST BASIN CONTAINING:
(2) 6,000-GALLON GASOLINE USTS
(1) 10,000-GALLON GASOLINE UST
(1) 12,000-GALLON GASOLINE UST

2285 WOODLAKE DRIVE
CRACKER BARREL

3440 OKEMOS ROAD

2221 UNIVERSITY PARK DRIVE VACANT RESTAURANT BUILDING

GPR LIMITATION (BUSHES)

SUSPECT FILL PORT

EASTERN PARCEL

2209 UNIVERSITY PARK DRIVE
HOLIDAY INN EXPRESS

APPROXIMATE AREA OF FORMER SEPTIC DRAIN FIELD

OKEMOS ROAD

STEEP TERRAIN

TRASH/DEBRIS

CORRAL

PROPOSED CANOPY

TALL GRASS

APPROXIMATE LOCATION OF FORMER UST BASIN CONTAINING:
(2) 10,000-GALLON GASOLINE USTS AND
(1) 10,000-GALLON DIESEL UST

PROPOSED RESTAURANT BUILDING

INTERSTATE 96
ENTRANCE RAMP

GPR LIMITATION (DENSE VEGETATION)

FORMER CANOPY

WESTERN PARCEL

INTERSTATE 96
EXIT/ENTRANCE RAMP

SG-1	
7/13/2013	
4.5-5.0'	
ACETONE	140
B	7.4
CARBON DISF	3.0
CYCLOHEXANE	6.3
ETHANOL	11.7
E	13
EA	11.5
4-ETHYLTOLUENE	5.7
HEPTANE	11.6
HEXANE	20.3
ISOP ALCOHOL	6.7
METH CHLR	3.7
MIK	2.5
PROPYLENE	292
1,2,4-TMB	19.8
1,3,5-TMB	6.1
PCE	0.86
T	44.6
TCE	1.4
X	74.6
OTHER VOCs	<MDL

SG-2	
7/13/2013	
5.5-6.0'	
ACETONE	60.2
B	4.1
CARBON DISF	5.4
CYCLOHEXANE	2.7
DICLFMETH	1.8
ETHANOL	9.2
E	7.1
EA	9.5
4-ETHYLTOLUENE	4.2
HEPTANE	3.7
HEXANE	5.8
ISOP ALCOHOL	1.8
METH CHLR	1.8
MEK	2.0
PROPYLENE	75.6
1,2,4-TMB	18
1,3,5-TMB	5.7
PCE	0.45
TETRAHYDROFURAN	6.6
T	19.7
TRICLFL METH	4.5
X	44.2
OTHER VOCs	<MDL

SG-3	
7/13/2013	
5.0-5.5'	
ACETONE	90
B	7.5
CARBON DISF	2.4
CYCLOHEXANE	6.6
ETHANOL	11.3
E	10.9
EA	8.3
4-ETHYLTOLUENE	5.5
HEPTANE	8.3
HEXANE	22.5
METH CHLR	4.2
PROPYLENE	336
1,2,4-TMB	19.3
1,3,5-TMB	5.7
PCE	0.74
T	31.3
X	65.5
OTHER VOCs	<MDL

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PROPOSED SITE FEATURES
- ELEC — ELECTRIC
- W — WATER
- PARCEL / LOT BOUNDARIES
- PAD MOUNTED TRANSFORMER
- FORMER FUEL DISPENSER
- (D) FORMER DWELLING
- (B) FORMER BARNS
- APPROXIMATE 10' SLOPE TO THE WEST
- SOIL BORING / TEMPORARY MONITORING WELL
- SOIL BORING
- SOIL GAS

B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
1,2,4-TMB	1,2,4-TRIMETHYLBENZENE
1,3,5-TMB	1,3,5-TRIMETHYLBENZENE
MIK	METHYL ISOBUTYL KETONE
EA	ETHYL ACETATE
METH CHLR	METHYLENE CHLORIDE
DICLFMETH	DICHLORODIFLUOROMETHANE
TRICLFL METH	TRICHLOROFLUOROMETHANE
CARBON DISF	CARBON DISULFIDE
ISOP ALCOHOL	ISOPROPYL ALCOHOL
TCE	TRICHLOROETHENE
PCE	TETRACHLOROETHENE
MEK	2-BUTANONE (MEK)
MDL	METHOD DETECTION LIMIT
UNITs	PPBV (UNLESS NOTED)

VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

PM ENVIRONMENTAL — Environmental & Engineering Services

FIGURE 5

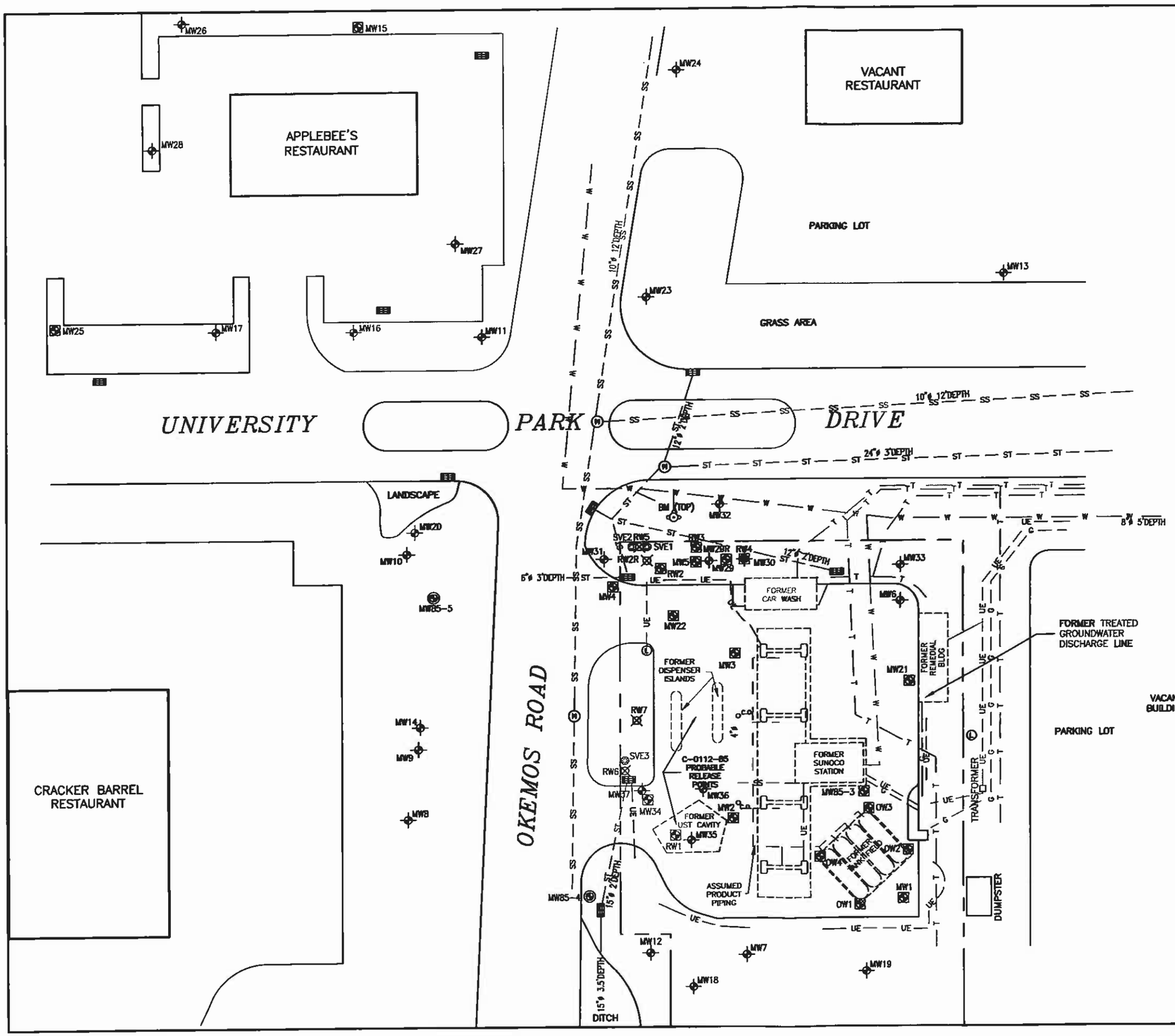
SOIL BORING/TEMPORARY MONITORING WELL/
SOIL GAS LOCATION MAP WITH SOIL GAS
ANALYTICAL RESULTS

PROJ:
VACANT RESTAURANT BUILDING AND VACANT LOT
2221 UNIVERSITY PARK DRIVE, 3440 OKEMOS ROAD
OKEMOS, MI

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 70'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: MM/TS/CS
DATE: 1/14/2014
CHKD BY: CK/JA
SCALE: 1" = 70'
FILE NAME: 01-4481-2F05R00



LEGEND

- FORMER DISPENSER ISLAND
- CATCH BASIN
- UTILITY MANHOLE
- LIGHT POLE
- RECOVERY WELL
- MONITORING WELL
- DESTROYED MONITORING WELL (GLEN MILLER)
- ABANDONED/DESTROYED MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND STORM SEWER LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- ABANDONED UNDERGROUND ELECTRIC LINE
- ABANDONED UNDERGROUND WATER LINE
- ABANDONED UNDERGROUND GAS LINE

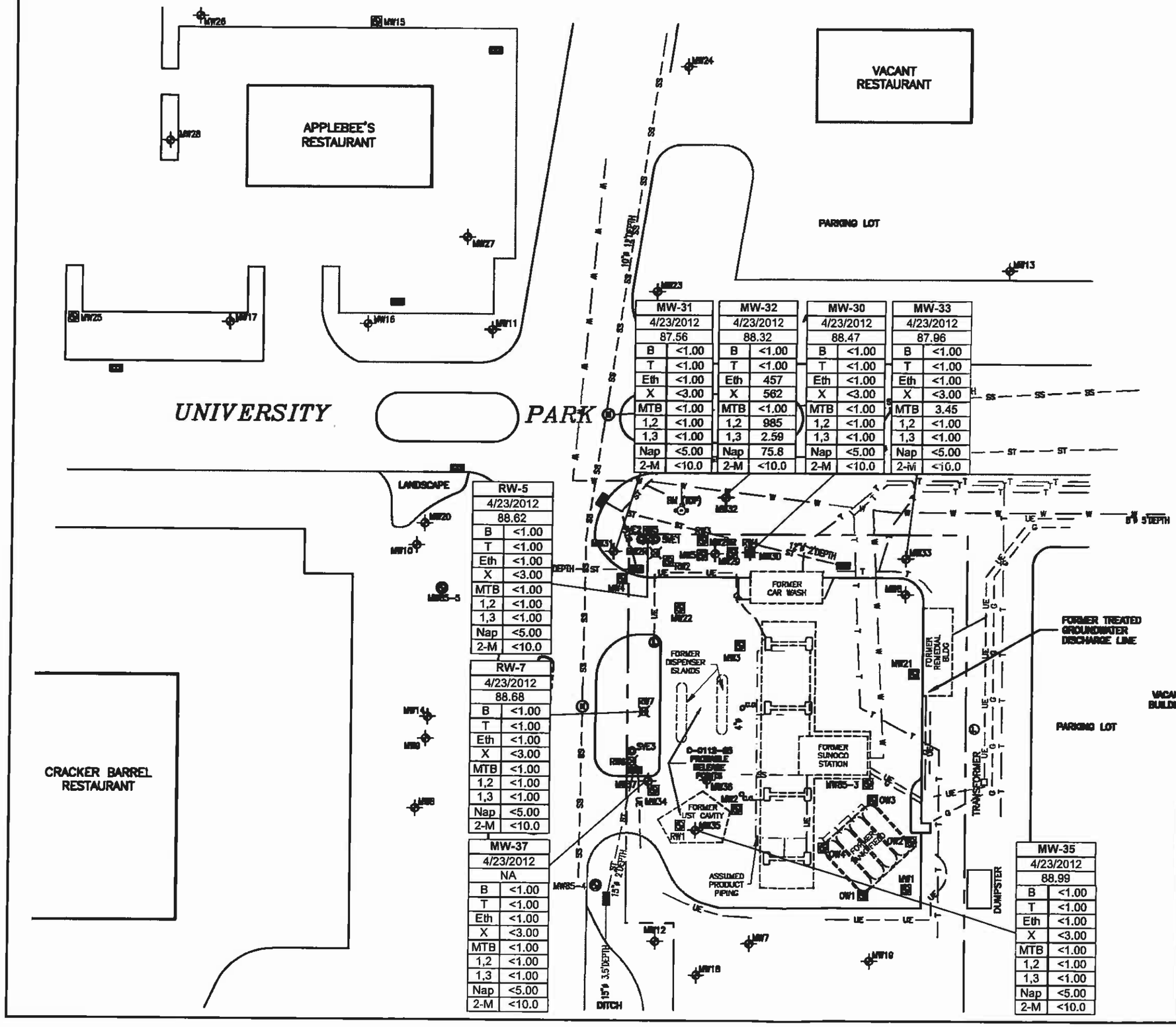
NOTE:

UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE.

ON-SITE UTILITIES, WATER, GAS, & ELECTRIC, WERE ABANDONED IN-PLACE DURING STATION REMODELING OCTOBER 2009.

DRAFTED BY: B.C.S. (N.J.)	**SITE MAP**
CHECKED BY:	**EXXONMOBIL OIL CORPORATION** **FORMER MOBIL #03-KB4** **3440 OKEMOS ROAD** **OKEMOS, MICHIGAN**
REVIEWED BY:	Groundwater & Environmental Services, Inc. 10381 CITATION DRIVE, SUITE 500, BRIGHTON, MICHIGAN 48116
NORTH	SCALE IN FEET: 0 – 60 / DATE: 9-27-11 / FIGURE: 2

M:\Graphics\11700-Detroit\ExxonMobil\Mobil\03-KB4 Okemos\03-KB4 Okemos SM.dwg, BSthrestrt



LEGEND

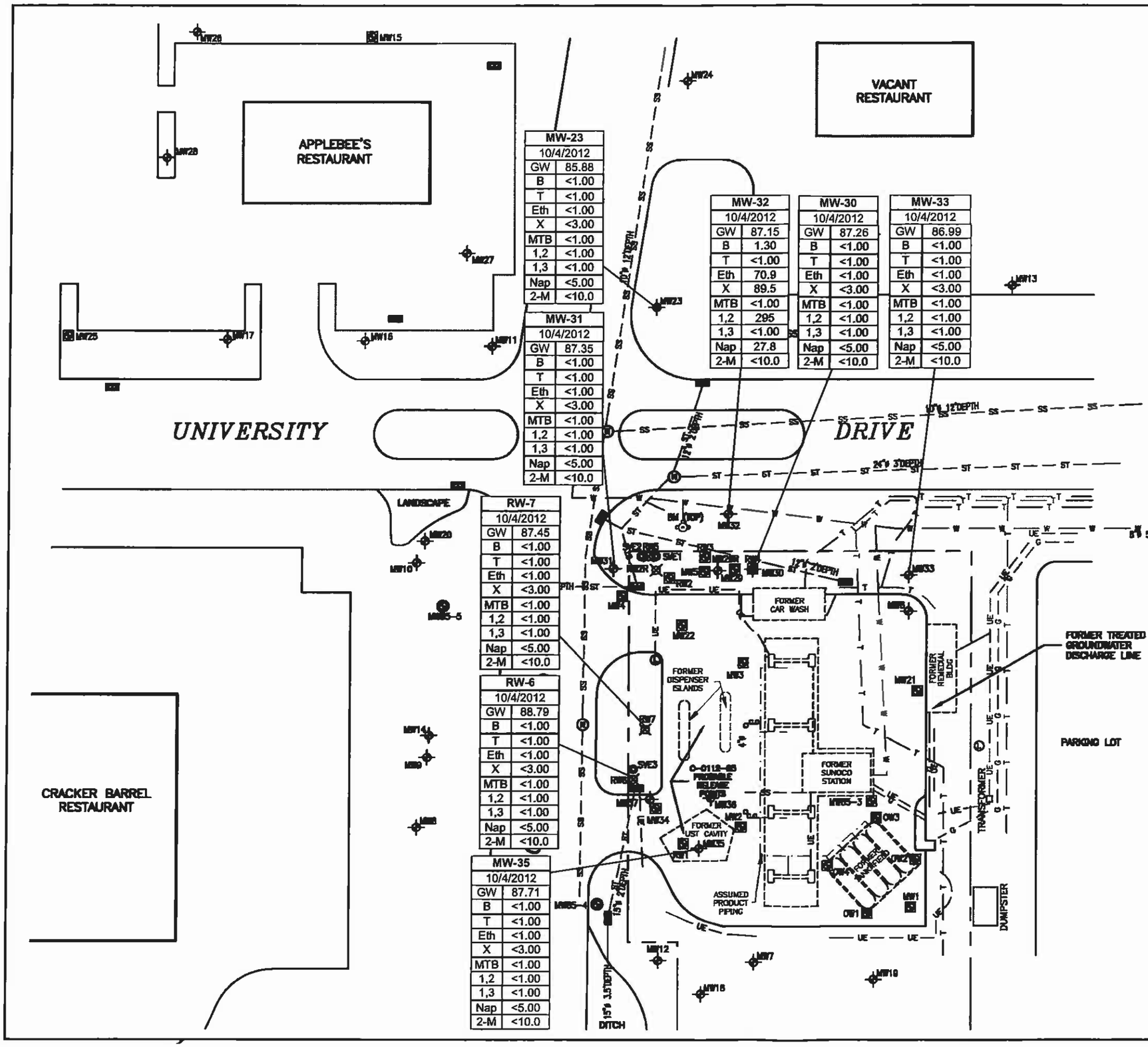
Sample ID	
Date	
GW	
B	
T	
Eth	
X	
MTB	
1,2	
1,3	
Nap	
2-M	

Monitoring Well Name
Date of Sample
GW Elevation (Feet)
Benzene (ug/l)
Toluene (ug/l)
Ethylbenzene (ug/l)
Xylenes (ug/l)
Methyl-tert-butyl-ether (ug/l)
1,2,4-Trimethylbenzene (ug/l)
1,3,5-Trimethylbenzene (ug/l)
Naphthalene (ug/l)
2-Methylnaphthalene (ug/l)

NA = Not Available

<# Where analyte is not detected, a laboratory detection limit is given.

DRAFTED BY: DH	GROUNDWATER ANALYTICAL MAP April 23, 2012
CHECKED BY:	EXXONMOBIL OIL CORPORATION FORMER MOBIL #03-KB4 3440 OKEMOS ROAD OKEMOS, MICHIGAN
REVIEWED BY	Groundwater & Environmental Services, Inc. 10381 CITATION DRIVE SUITE 500, BRIGHTON, MICHIGAN 48116
NORTH	SCALE IN FEET: 0 60 / DATE: 11-13-12 / FIGURE: 3



LEGEND

Sample ID	
Date	
GW	
B	
T	
Eth	
X	
MTB	
1,2	
1,3	
Nap	
2-M	

Monitoring Well Name
Date of Sample
GW Elevation (Feet)
Benzene (ug/l)
Toluene (ug/l)
Ethylbenzene (ug/l)
Xylenes (ug/l)
Methyl-tert-butyl-ether (ug/l)
1,2,4-Trimethylbenzene (ug/l)
1,3,5-Trimethylbenzene (ug/l)
Naphthalene (ug/l)
2-Methylnaphthalene (ug/l)

<# Where analyte is not detected, a laboratory detection limit is given.

DRAFTED BY: DH	GROUNDWATER ANALYTICAL MAP October 4, 2012
CHECKED BY	EXXONMOBIL OIL CORPORATION FORMER MOBIL #03-KB4 3440 OKEMOS ROAD OKEMOS, MICHIGAN
REVIEWED BY	Groundwater & Environmental Services, Inc. 10381 CITATION DRIVE SUITE 500, BRIGHTON, MICHIGAN 48116
NORTH	SCALE IN FEET: 0 60 / DATE: 11-1-12 / FIGURE: 4

Tables

PM ENVIRONMENTAL Environmental & Engineering Services

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
VOCs, PNAs, PCBs, METALS, PESTICIDES, AND HERBICIDES
3440 OKEMOS ROAD, ALAIEDON TOWNSHIP, MICHIGAN
PM PROJECT #01-4481-2

VOLATILE ORGANIC COMPOUNDS (VOCs), POLYNUCLEAR AROMATIC COMPOUNDS (PNAs), POLYCHLORINATED BIPHENYLS (PCBs), METALS, PESTICIDES, AND HERBICIDES **(µg/Kg)**			VOCs	PNAs	PCBs	Cadmium	Chromium	Lead	Pesticides	Herbicides
Chemical Abstract Service Number (CAS#)			Various	Various	1336363	7440439	16065831	7439921	Various	Various
Sample ID	**Sample Date**	**Sample Depth (feet bgs)**	**VOCs**	**PNAs**	**PCBs**	**Metals**				
SB-2	07/13/2013	4.0-4.5	ND	ND	<330	220	5,570	5,600	NA	NA
SB-4	07/13/2013	3.5-4.0	ND	ND	<330	<200	1,960	1,880	NA	NA
SB-5	07/13/2013	2.5-3.0	ND	ND	<330	<200	4,180	4,030	NA	NA
SB-6	07/13/2013	0.5-1.0	ND	ND	<330	NA	NA	NA	ND	ND
SB-7	07/13/2013	5.0-6.0	ND	ND	<330	NA	NA	NA	ND	ND
SB-8	07/13/2013	0.5-1.0	ND	ND	<330	NA	NA	NA	ND	ND
Operational Memorandum No. 1: Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels (RBSLs), Attachment 1: Soil Tables 2 and 3 Residential and Nonresidential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier 1 RBSLs, September 28, 2012										
Residential (µg/Kg)										
Statewide Default Background Levels			NA	NA	NA	1,200	18,000	21,000	NA	NA
Drinking Water Protection (Res DWP)			Various	Various	NLL	6,000	30,000	700,000	Various	Various
Groundwater Surface Water Interface Protection (GSIP)			Various	Various	NLL	{G,X}	3,300	{G,X}	Various	Various
GSIP Human Drinking Water			Various	Various	NA	{G,X}	{G,X}	{G,X}	Various	Various
Groundwater Contact Protection (GCP)			Various	Various	NLL	2.3E+08	1.4E+08	ID	Various	Various
Soil Volatilization to Indoor Air Inhalation (Res SVII)			Various	Various	3.0E+06	NLV	NLV	NLV	Various	Various
Ambient Air Infinite Source Volatile Soil Inhalation (Res VSI)			Various	Various	240,000	NLV	NLV	NLV	Various	Various
Ambient Air Finite VSI for 5 Meter Source Thickness			Various	Various	7.9E+06	NLV	NLV	NLV	Various	Various
Ambient Air Finite VSI for 2 Meter Source Thickness			Various	Various	7.9E+06	NLV	NLV	NLV	Various	Various
Ambient Air Particulate Soil Inhalation (Res PSI)			Various	Various	5.2E+06	1.70E+06	260,000	1.00E+08	Various	Various
Direct Contact (Res DC)			Various	Various	{T}	550,000	2.50E+06	400,000	Various	Various
Nonresidential (µg/Kg)										
Drinking Water Protection (Nonres DWP)			Various	Various	NLL	6,000	30,000	700,000	Various	Various
Soil Volatilization to Indoor Air Inhalation (Nonres SVII)			Various	Various	1.6E+07	NLV	NLV	NLV	Various	Various
Ambient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)			Various	Various	810,000	NLV	NLV	NLV	Various	Various
Ambient Air Finite VSI for 5 Meter Source Thickness			Various	Various	2.8E+07	NLV	NLV	NLV	Various	Various
Ambient Air Finite VSI for 2 Meter Source Thickness			Various	Various	2.8E+07	NLV	NLV	NLV	Various	Various
Ambient Air Particulate Soil Inhalation (Nonres PSI)			Various	Various	6.5E+06	2.2E+06	240,000	4.40E+07	Various	Various
Direct Contact (Nonres DC)			Various	Various	{T}	2.1E+06	9.2E+06	9.0E+5 (DD)	Various	Various
Screening Levels (µg/Kg)										
Soil Saturation Concentration Screening Levels (Csat)			Various	Various	NA	NA	NA	NA	Various	Various

Applicable Criterion/RBSL Exceeded

BOLD Value Exceeds Applicable Criterion/RBSL
ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)
bgs Below Grade Surface (feet)
NL Not Listed
* 1,2,3-Trimethylbenzene RBSLs based on the more restrictive of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.

TABLE 2
SUMMARY OF GROUN DWATER ANALYTICAL RESULTS
VOCs, PNAs, PCBs, METALS, PESTICIDES, AND HERBICIDES
3440 OKEMOS ROAD, ALAIEDON TOWNSHIP, MICHIGAN
PM PROJECT #01-4481-2

VOLATILE ORGANIC COMPOUNDS (VOCs), POLYNUCLEAR AROMATIC COMPOUNDS (PNAs), POLYCHLORINATED BIPHENYLS (PCBs), METALS, PESTICIDES, AND HERBICIDES (µg/L)				Benzene	Ethylbenzene	n-Propylbenzene	Other VOCs	PNAs	PCBs	Cadmium	Chromium	Lead	Pesticides	Herbicides
Chemical Abstract Service Number (CAS#)				71432	100414	103651	Various	Various	1336363	7440439	16065831	7439921	Various	Various
Sample ID	**Sample Date**	**Screen Depth (feet bgs)**	**Depth to Groundwater (feet bgs)**	**VOCs**				**PNAs**	**PCBs**	**Metals**				
TMW-1	07/13/2013	10.0-15.0	12.02	**30**	5	5	ND	ND	<0.1	<0.5	<5	<3	NA	NA
TMW-3	07/13/2013	10.0-15.0	12.13	<1	<1	<1	ND	ND	<0.1	<0.5	<5	<3	NA	NA
TMW-4	07/13/2013	9.77-14.77	12.09	<1	<1	<1	ND	ND	<0.1	<0.5	<5	<3	NA	NA
TMW-6	07/13/2013	2.88-7.88	3.25	<1	<1	<1	ND	ND	<0.1	NA	NA	NA	ND	ND
Operational Memorandum No. 1: Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels (RBSLs), Attachment 1: Table 1. Groundwater: Residential and Nonresidential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier 1 RBSLs, September 28, 2012														
Residential/Nonresidential (µg/L)														
Residential Drinking Water (Res DW)				5.0 {A}	74 {E}	80	Various	Various	0.5 {A}	5.0 {A}	100 {A}	4.0 {L}	Various	Various
Nonresidential Drinking Water (Nonres DW)				5.0 {A}	74 {E}	230	Various	Various	0.5 {A}	5.0 {A}	100 {A}	4.0 {L}	Various	Various
Groundwater Surface Water Interface (GSI)				200 {X}	18	ID	Various	Various	0.2 {M}; 2.6E-5	{G,X}	11	{G,X}	Various	Various
GSI Final Acute Values (FAV) [1]				1,800	320	NL	Various	Various	ID	{G}	{G}	{G}	Various	Various
GSI Human Drinking Water				12	NA	NA	Various	Various	NA	2.5 {G,X}	120 {G,X}	14 {G}	Various	Various
Residential Groundwater Volatilization to Indoor Air Inhalation (Res GVII) [2]				5,600	110,000	ID	Various	Various	45 {S}	NLV	NLV	NLV	Various	Various
Nonresidential Groundwater Volatilization to Indoor Air Inhalation (Nonres GVII) [2]				36,000	1.7E+5 {S}	ID	Various	Various	45 {S}	NLV	NLV	NLV	Various	Various
Groundwater Contact (GC)				11,000	1.7E+5 {S}	15,000	Various	Various	3.3 {AA}	1.90E+05	4.60E+05	ID	Various	Various
Screening Levels (µg/L)														
Water Solubility				1.75E+06	1.69E+05	NA	Various	Various	44.7	NA	NA	NA	Various	Various
Flammability and Explosivity Screening Level				68,000	43,000	ID	Various	Various	ID	ID	ID	ID	Various	Various
Acute Inhalation Screening Level				67,000	1.7E+5 {S}	ID	Various	Various	ID	ID	ID	ID	Various	Various

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria

bgs Below Grade Surface (feet)

ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)

[1] Rule 323.1057 of Part 4 Water Quality Standards

[2] Tier 1 GVII Criteria based on 3 meter (or greater) groundwater depth

TABLE 3
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
VOCs
3440 OKEMOS ROAD, ALAIEDON TOWNSHIP, MICHIGAN
PM PROJECT #01-4481-2

VOLATILE ORGANIC COMPOUNDS (PPBV)			Acetone	Benzene	Carbon disulfide	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethylbenzene	Ethyl Acetate	4-Ethyltoluene	Heptane	Hexane	Isopropyl Alcohol	Methylene chloride	Methyl ethyl ketone	Methyl Isobutyl Ketone	Propylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Tetrachloroethylene	Tetrahydrofuran	Toluene	Trichloroethylene	Trichlorofluoromethane	Xylenes (total)	Other VOCs
Chemical Abstract Service Number (CAS#)			67641	71432	75150	110827	75718	64175	100414	141786	622968	142825	110543	67630	75092	78933	108101	115071	95636	108678	127184	109999	108883	79016	75694	1330207	Various
Sample ID	**Sample Date**	**Sample Depth (feet bgs)**	**VOCs**																								
SG-1	7/13/2013	4.5-5.0	140	7.4	3.0	6.3	ND (0.20)	11.7	13	11.5	5.7	11.6	20.3	6.7	3.7	ND (0.75)	2.5 J	292	19.8	6.1	0.86	ND (0.57)	44.6	1.4	ND (0.18)	74.6	ND
SG-2	7/13/2013	5.5-6.0	60.2	4.1	5.4	2.7	1.8	9.2	7.1	9.5	4.2	3.7	5.8	1.8	1.8	2.0	ND (0.18)	75.6	18	5.7	0.45	6.6	19.7	ND (0.12)	4.5	44.2	ND
SG-3	7/13/2013	5.0-5.5	90	7.5	2.4 J	6.6	ND (0.20)	11.3	10.9	8.3	5.5	8.3	22.5	ND (0.50)	4.2	ND (0.75)	ND (0.38)	336	19.3	5.7	0.74	ND (0.57)	31.3	ND (0.25)	ND (0.18)	65.5	ND
MDEQ May 2013 - Guidance Document For The Vapor Intrusion Pathway Residential and Nonresidential Screening Values for the Vapor Intrusion Pathway (SV_{VI})																											
Residential (ppbv)																											
Vapor Intrusion Shallow Soil Gas Screening Level (<1.5 meters bgs)			82,000	32	7,400	58,000	330,000	NL	640	29,000	NL	28,000	6,600	NL	880	56,000	24,000	NL	1,500	1,500	170	200	44,000	12	330,000	760	Various
Vapor Intrusion Deep Soil Gas Screening Level			820,000	320	74,000	5.8E+05	3.3E+06	NL	6,400	290,000	NL	280,000	66,000	NL	8,800	560,000	240,000	NL	15,000	15,000	1,700	2,000	440,000	120	3.3E+06	7,600	Various
Nonresidential (ppbv)																											
Vapor Intrusion Shallow Soil Gas Screening Level (<1.5 meters bgs)			1.4E+06	650	120,000	970,000	5.6E+06	NL	13,000	490,000	NL	470,000	110,000	NL	18,000	940,000	410,000	NL	25,000	25,000	3,300	3,400	740,000	210	5.6E+06	13,000	Various
Vapor Intrusion Deep Soil Gas Screening Level			1.4E+07	6,500	1.2E+06	9.7E+06	5.6E+07	NL	130,000	4.9E+06	NL	4.7E+06	1.1E+06	NL	180,000	9.4E+06	4.1E+06	NL	250,000	250,000	33,000	34,000	7.4E+06	2,100	5.6E+07	130,000	Various

Screening Level Exceeded
BOLD Value Exceeds Applicable Screening Level
ND Not Detected At or Above Laboratory Reporting Limits
NA Not Available/Not Applicable
bgs Below Ground Surface
NL Not Listed
ID Insufficient Data
ppbv Parts Per Billion/Volume
J Estimated Value

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-2	10/04/1991	-	-	-	-	-	-	-	240	1,300	73	3,100	150	NA	NA	NA	NA	-
	06/17/1993		-	-	-	-	-	-	16	160	2.8	140	ND	NA	NA	NA	NA	-
	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	34	210	17	100	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	10	190	9.2	140	100	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	2.5	10	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	78	210	30	340	53	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	5.1	1.9	85	50	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	9.4	1.7	34	ND	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	7.2	33	ND	7.9	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	ND	72	ND	52.2	ND	ND	79	4.7	7	-
	02/01/1999		-	-	-	-	-	-	ND	8.7	1.3	6.6	ND	ND	3	0.2	ND	-
	08/06/1999		-	-	-	-	-	-	ND	ND	15	ND	ND	ND	13	ND	ND	-
	02/15/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	03/24/2000		11.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		11.73	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		11.38	-	-	-	-	-	<1	<1	<1	<1	<1	<5	<1	<1	<10	NA
	11/02/2005		11.96	-	-	-	-	-	<1.00	<1.00	<1.00	<1.00	2.49	<5.00	<1.00	<1.00	<10.0	<100
	02/02/2006		10.73	-	-	-	-	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		10.32	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		10.64	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/21/2008		10.24	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/08/2008		9.71	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		10.47	-	-	-	-	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/11/2009		9.97	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		5.53	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
A MW-3	04/07/1995	-	-	-	-	-	-	-	11,000	2,800	20,000	15,000	460	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	8,700	2,300	18,000	44,000	<1,000	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	1,100	560	1,600	7,100	ND	6,200	2,600	1,000	3,900	-
	08/06/1999		-	-	-	-	-	-	1,800	1,600	510	5,500	ND	500	1,900	640	330	-
	02/15/2000		-	-	-	-	-	-	5,600	2,900	1,400	19,000	ND	1,300	6,400	2,100	1,200	-
	03/24/2000		11.92	-	-	-	-	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	08/01/2000		11.53	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	08/04/2000		-	-	-	-	-	-	5,700	6,600	1,900	11,000	ND	420	2,100	660	210	-
	11/06/2000		12.40	-	-	-	-	GE	-	-	-	-	-	-	-	NA	-	-
	01/22/2001		12.52	-	-	-	-	-	2,900	1,700	1,100	6,700	69	310	1,300	490	140	-
	03/08/2001		10.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		11.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		11.00	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
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Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-3	07/20/2001		11.16	-	-	-	-	-	2,700	4,200	1,300	7,700	62	280	1,500	590	120	-
Con't	01/07/2002		11.40	-	-	-	-	-	3,100	5,000	2,800	13,000	ND	730	2,800	830	200	-
	11/26/2002		12.18	-	-	-	-	-	1,020	136	2,100	8,010	<2	536	2,480	734	105	-
	02/12/2003		13.17	-	12.55	0.62	-	GE	-	-	-	-	-	-	-	-	-	-
	04/11/2003		12.84	-	11.71	1.13	-	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		12.81	-	11.65	1.16	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		12.82	-	11.64	1.18	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		13.02	-	11.87	1.15	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		13.12	-	11.81	1.31	-	GE	-	-	-	-	-	-	-	-	-	-
	09/17/2003		12.73	-	12.44	0.29	-	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		12.61	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/15/2003		12.48	-	12.06	0.42	-	GE	-	-	-	-	-	-	-	-	-	-
	01/07/2004		12.04	-	11.91	0.13	-	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2004		11.65	-	11.63	0.02	-	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		12.47	-	12.31	0.16	-	GE	-	-	-	-	-	-	-	-	-	-
	03/03/2004		12.12	-	12.05	0.07	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2004		11.55	-	11.51	0.04	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		11.89	-	11.85	0.04	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2004		11.18	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		11.17	-	11.16	0.01	-	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		11.51	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/03/2004		11.86	-	11.83	0.03	-	GE	-	-	-	-	-	-	-	-	-	-
	10/15/2004		12.24	-	12.22	0.02	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		12.25	-	12.24	0.01	-	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2004		11.90	-	11.88	0.02	-	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		11.75	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		11.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		11.05	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		11.23	-	-	-	-	-	1,910	596	1,290	7,230	1.8	1,060	2,160	630	2,000	<100.
	06/02/2005		11.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		11.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		11.51	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/06/2005		11.91	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		12.04	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		12.35	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/08/2005		13.38	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		12.04	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		11.15	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/02/2006		10.96	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		10.84	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		10.89	-	-	-	-	-	1,770	166	1,320	6,310	<1.00	425	1,840	633	188	<100

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
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Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-3	06/01/2006		11.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	08/07/2006		10.78	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		11.41	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		10.63	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		10.83	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/07/2006		10.48	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2007		10.78	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		11.10	-	-	-	-	-	2,140	102	1,390	6,840	1.12	400	2,000	583	242	<100
	03/22/2007		10.61	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		10.29	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		10.80	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		11.13	-	-	-	-	-	2,180	89.2	2,310	9,850	1.15 ID2	553	1,980	661	267	<100
	09/27/2007		11.20	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		11.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/18/2007		11.39	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		10.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		10.55	-	-	-	-	-	770	65.7	1,970	8,170	<1.00	625	2,090	678	216	<100
	03/17/2008		10.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		9.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/16/2008		9.80	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2008		9.90	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		10.35	-	-	-	-	-	2,070	71.7	2,250	9,000	<1.00	509	2,070	686	<500	<5000RL1
	09/15/2008		9.92	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		10.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/09/2008		10.71	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		9.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		10.10	-	-	-	-	-	1,490	51.0	1,770	7,150	<1.00	648	2,410	681	312	<100
	03/06/2009		9.58	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2009		8.54	-	-	-	-	LF	1,640	55.7	1,910	6,530	<1.00	574	1,930	580	263	<100
A MW-5	11/11/1997	-	-	-	-	-	-	-	4,400	1,400	460	5,300	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	110	140	83	820	ND	21	400	120	33	-
	08/06/1999		-	-	-	-	-	-	4,700	690	1,400	11,000	ND	1,400	5,200	1,600	1,000	-
	03/24/2000		10.00	-	8.50	1.50	-	GE	-	-	-	-	-	-	-	-	-	-
	04/24/2000		10.93	-	10.28	0.65	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-5	05/11/2000		11.11	-	10.14	0.97	-	-	-	-	-	-	-	-	-	-	-	-
Con't	05/18/2000		11.32	-	10.13	1.19	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2000		10.27	-	9.03	1.24	-	-	-	-	-	-	-	-	-	-	-	-
	06/02/2000		10.91	-	9.56	1.35	-	-	-	-	-	-	-	-	-	-	-	-
	06/22/2000		11.03	-	9.70	1.33	-	-	-	-	-	-	-	-	-	-	-	-
	08/01/2000		10.78	-	9.68	1.10	-	-	-	-	-	-	-	-	-	-	-	-
	10/02/2000		9.61	-	9.40	0.21	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		10.50	-	9.65	0.85	-	GE	-	-	-	-	-	-	-	-	-	-
	12/02/2000		11.74	-	9.90	1.84	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2001		10.90	-	9.20	1.70	-	-	-	-	-	-	-	-	-	-	-	-
	03/08/2001		9.33	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		9.52	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		9.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		8.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		9.18	-	-	-	-	-	610	570	1,000	6,600	ND	660	3,300	1,100	620	-
	08/27/2001		9.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/13/2001		9.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2001		9.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		9.80	-	-	-	-	-	810	58	410	2,000	ND	250	1,300	450	270	-
	02/08/2002		9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/06/2002		9.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		8.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		9.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/06/2002		9.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		9.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		9.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		10.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/2002		10.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		10.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/2003		11.00	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/11/2003		10.80	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/11/2003		10.20	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		10.22	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		10.26	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		10.43	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		10.43	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/27/2003		10.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		10.96	-	10.95	0.01	-	GE	-	-	-	-	-	-	-	-	-	-
	12/15/2003		10.52	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
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Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVJJ							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-5	01/07/2004		10.28	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	03/03/2004		10.30	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2004		9.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2004		9.46	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		9.46	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		9.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/03/2004		10.16	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/15/2004		10.75	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		10.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2004		10.16	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2005		9.98	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		9.95	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		9.91	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		9.40	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		9.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/02/2005		9.83	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		9.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		9.75	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/06/2005		10.14	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		10.28	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		10.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/08/2005		10.47	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		10.03	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		9.12	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/02/2006		9.10	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		9.05	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		9.18	-	-	-	-	-	15.6	<1.00	23.2	61.6	<1.00	8.29	89.6	8.38	<10.0	<100
	06/01/2006		8.91	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/07/2006		9.08	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		8.96	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		8.77	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		9.81	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		8.88	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		9.10	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/07/2006		8.74	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2007		8.57	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		9.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		8.56	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		8.50	-	-	-	-	-	<1.00	<1.00	6.12	20.0	<1.00	<5.00	36.1	3.49	<10.0	<100
	06/21/2007		8.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-22	03/03/2004		13.42	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	08/06/2004		12.99	-	-	-	-	-	<1.0	<1.0	<1.0	2.3	<1.0	<5.00	1.0	<1.00	<10.0	NA
	11/10/2004		12.89	-	-	-	-	-	<1.0	<1.0	<1.0	4.0	<1.0	<5.00	3.4	<1.00	<10.0	<100
	05/03/2005		8.12	-	-	-	-	-	10.3	87.0	20.9	119	<1.0	7.00	20.4	5.90	<10.0	<100.
	02/02/2006		6.84	-	-	-	-	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		0.51	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		6.90	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	9.45	<1.00	<5.00	<100
	11/10/2006		11.26	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	09/27/2007		7.68	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		7.24	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/17/2008		1.59	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		4.29	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	1.43	<1.00	<10.0	<100
	08/08/2008		11.41	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	09/15/2008		11.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		11.35	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		1.98	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		0.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/06/2009		0.10	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2009		0.08	-	-	-	-	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
A MW-29	05/11/2000	-	13.01	-	11.39	1.62	-	-	-	-	-	-	-	-	-	-	-	-
[10-15]	05/18/2000		11.38	-	11.35	0.03	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2000		12.48	-	11.06	1.42	-	-	-	-	-	-	-	-	-	-	-	-
	06/02/2000		12.45	-	11.00	1.45	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2000		12.90	-	10.95	1.95	-	-	-	-	-	-	-	-	-	-	-	-
	08/01/2000		12.70	-	11.06	1.64	-	-	-	-	-	-	-	-	-	-	-	-
	10/02/2000		12.00	-	10.94	1.06	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.32	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2000		13.04	-	11.24	1.80	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2001		13.10	-	11.5	1.60	-	-	-	-	-	-	-	-	-	-	-	-
	03/08/2001		10.97	-	10.8	0.17	-	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		11.06	-	10.86	0.20	-	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		10.75	-	9.48	1.27	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		10.20	-	10.15	0.05	-	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		10.90	-	10.77	0.13	-	-	-	-	-	-	-	-	-	-	-	-
	08/27/2001		11.31	-	11.06	0.25	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2001		11.20	-	11.15	0.05	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		11.86	-	11.10	0.76	-	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		11.85	-	11.22	0.63	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/2002		11.87	-	11.50	0.37	-	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		10.56	-	10.52	0.04	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)		GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC GVII								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
									NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-29	05/06/2002		10.81	-	10.71	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-
Con't	06/06/2002		10.43	-	10.42	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/22/2002		12.76	-	11.06	1.70	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		10.92	-	10.71	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/06/2002		11.01	-	10.80	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		11.32	-	11.26	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		11.54	-	11.39	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		14.47	-	11.45	3.02	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/2002		14.13	-	11.80	2.33	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		14.25	-	11.85	2.40	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/2003		14.39	-	12.25	2.14	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/11/2003		13.80	-	11.99	1.81	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/11/2003		12.71	-	11.49	1.22	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		13.14	-	11.44	1.70	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		13.20	-	11.46	1.74	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		13.60	-	11.58	2.02	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		13.54	-	11.58	1.96	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/17/2003		14.45	-	11.88	2.57	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		14.05	-	11.93	2.12	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/15/2003		12.84	-	11.67	1.17	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/07/2004		13.12	-	11.52	1.60	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		12.85	-	11.82	1.03	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/03/2004		13.36	-	11.57	1.79	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2004		11.98	-	11.29	0.69	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		12.91	-	11.51	1.40	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2004		11.05	-	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		11.45	-	11.02	0.43	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		11.18	-	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/03/2004		13.12	-	11.35	1.77	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/15/2004		13.21	-	11.65	1.56	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		13.29	-	10.67	2.62	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2004		11.46	-	11.46	0.00	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2005		12.21	-	11.35	0.86	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		11.67	-	11.65	0.02	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		11.21	-	11.19	0.02	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		10.97	-	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		11.23	-	11.11	0.12	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/02/2005		11.25	-	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		11.57	-	11.13	0.44	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		11.20	-	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/06/2005		12.50	-	11.39	1.11	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-29 Con't	11/02/2005		13.10	-	11.90	1.20	-	GE	-	-	-	-	-	-	-	-	-	-
	12/08/2005		13.30	-	11.87	1.43	-	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		14.00	-	11.75	2.25	-	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		10.76	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/02/2006		9.70	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		10.76	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		10.77	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		10.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/07/2006		10.70	-	10.66	0.04	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		10.54	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		10.34	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		10.41	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		10.45	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		10.66	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/07/2006		10.32	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2007		10.14	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		10.34	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		10.16	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		10.10	-	-	-	-	-	48.4	436	1,510	6,520	<1.00	842	3,550	983	679	<100
	06/21/2007		10.15	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		10.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		11.18	-	10.85	0.33	-	GE	-	-	-	-	-	-	-	-	-	-
	09/27/2007		11.19	-	10.95	0.24	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		11.30	-	10.85	0.45	-	GE	-	-	-	-	-	-	-	-	-	-
	12/18/2007		11.72	-	11.03	0.69	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		10.58	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		10.27	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/17/2008		9.80	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		9.03	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		9.46	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/16/2008		9.48	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2008		9.58	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		10.06	-	-	-	-	-	13.3	170	2,770	11,400	<1.00	804	3,110	478	<500	<5000RL1
	09/15/2008		9.20	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		10.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		10.43	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		9.51	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		9.79	-	-	-	-	-	5.47	22.5	3,120	7,620	<1.00	933	3,940	470	146	<100
	03/06/2009		9.22	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A MW-29	05/12/2009		8.23	-	-	-	-	LF	6.82	166	2,670	10,800	<1.00	932	4,320	540	227	<100
Con't	08/20/2009		10.27	-	-	-	-	LF	7.49	18.6	1,450	4,190	<1.00	609	3,790	224	135	<100
A RW-2	01/14/1993	-	-	-	-	-	-	-	5,700	2,600	34,000	15,000	NA	NA	NA	NA	NA	-
	09/20/1994		-	-	-	-	-	-	3,000	1,300	1,600	5,400	NA	NA	NA	NA	NA	-
	03/24/2000		10.44	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/24/2000		10.85	-	10.65	0.20	-	-	-	-	-	-	-	-	-	-	-	-
	04/28/2000		15.55	-	15.15	0.40	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2000		15.85	-	15.10	0.75	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2000		17.12	-	16.25	0.87	-	-	-	-	-	-	-	-	-	-	-	-
	06/02/2000		13.31	-	12.70	0.61	-	-	-	-	-	-	-	-	-	-	-	-
	06/22/2000		17.58	-	16.24	1.34	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2000		10.69	-	9.74	0.95	-	-	-	-	-	-	-	-	-	-	-	-
	10/02/2000		9.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.20	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2000		10.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/08/2001		9.54	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		9.75	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		10.22	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		8.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		9.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/27/2001		9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/13/2001		10.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2001		9.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		9.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/2002		10.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		9.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/06/2002		9.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		9.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		9.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/06/2002		9.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		10.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		10.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		10.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/2002		11.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		11.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/2003		11.28	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		14.90	-	14.87	0.03	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		15.01	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		10.67	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/17/2003		11.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A RW-2 Con't	10/23/2003		11.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/15/2003		10.78	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/07/2004		10.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		10.99	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/03/2004		10.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2004		10.11	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		10.49	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2004		9.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		9.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		10.08	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/03/2004		10.42	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/15/2004		10.82	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		10.82	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2005		10.20	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		10.19	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		10.15	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		10.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		9.62	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/02/2005		10.10	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		9.86	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		9.99	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/06/2005		10.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		10.29	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		10.80	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/08/2005		10.70	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		9.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/02/2006		9.28	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		9.27	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		9.40	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		9.13	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/07/2006		9.34	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		9.18	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		8.87	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		10.41	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		9.11	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		9.35	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/07/2006		8.98	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2007		8.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		9.60	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		8.88	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A RW-2	04/23/2007		8.59	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	05/22/2007		8.57	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/21/2007		8.62	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		9.29	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		9.52	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/27/2007		9.69	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		9.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		9.29	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		8.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		7.61	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		8.05	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/16/2008		8.08	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		9.17	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/09/2008		9.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		8.14	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		8.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/06/2009		7.91	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
A RW-3	07/20/2001	-	9.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/27/2001		9.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/13/2001		10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2001		9.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		9.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		9.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/2002		10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		9.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/06/2002		9.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		8.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		9.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		9.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		10.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/2002		10.85	-	10.83	0.02	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		10.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/2003		11.20	-	11.04	0.16	-	GE	-	-	-	-	-	-	-	-	-	-
	03/11/2003		10.90	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		10.38	-	10.32	0.06	-	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		10.42	-	10.33	0.09	-	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		10.56	-	10.52	0.04	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		10.62	-	10.54	0.08	-	GE	-	-	-	-	-	-	-	-	-	-
	09/17/2003		10.99	-	10.91	0.08	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A RW-3	10/23/2003		12.60	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	12/15/2003		10.61	-	10.60	0.01	-	GE	-	-	-	-	-	-	-	-	-	-
	01/07/2004		10.36	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		10.82	-	10.81	0.01	-	GE	-	-	-	-	-	-	-	-	-	-
	03/03/2004		10.42	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2004		9.95	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		10.33	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		9.58	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		9.91	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/03/2004		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/15/2004		10.84	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		11.62	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2005		10.00	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		10.01	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		10.69	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		9.49	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		9.78	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/02/2005		9.90	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		9.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		9.86	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/06/2005		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		10.35	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		10.62	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/08/2005		10.56	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		10.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		9.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/02/2006		9.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		9.13	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		9.26	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		8.99	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/07/2006		9.17	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		9.04	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		8.85	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		9.83	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		8.96	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		9.16	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/07/2006		8.83	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2007		8.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		9.42	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		6.68	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		8.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A RW-3	05/22/2007		8.60	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	06/21/2007		8.64	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		9.15	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		9.35	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/27/2007		9.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		9.40	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/18/2007		9.72	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		9.16	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		8.78	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		7.57	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		8.01	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/16/2008		8.02	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		8.60	-	-	-	-	-	<1.00	<1.00	4.20	<3.00	<1.00	<5.00	26.7	2.97	<10.0	<100
	09/15/2008		7.47	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		8.59	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		9.02	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/09/2008		8.94	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		8.01	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		8.04	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/06/2009		7.65	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
A RW-4	08/31/2006	-	10.46	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
[9-19]	09/26/2006		10.54	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		10.56	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		10.48	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		10.26	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		12.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/21/2007		10.25	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		10.74	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	09/27/2007		11.09	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		11.05	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	12/18/2007		11.28	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		10.68	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		10.36	-	-	-	-	-	755	67.2	1,310	4,390	<1.00	664	2,350	596	211	<100
	03/17/2008		9.89	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		9.11	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		9.53	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	06/16/2008		9.56	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		10.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/15/2008		9.33	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		10.15	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
A RW-4	01/06/2009		9.63	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	02/11/2009		9.87	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
D MW-1	11/08/1991	-	-	-	-	-	-	-	1.9	2.1	1.2	5.2	ND	NA	NA	NA	NA	-
	12/16/1993		-	-	-	-	-	-	25	120	2.6	93	560	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		12.76	-	-	-	-	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	11/06/2000		12.46	-	-	-	-	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	05/05/2004		12.22	-	-	-	-	-	<1	<1	<1	<1	<1	<5	<1	<1	<10	NA
	06/01/2006		11.29	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		11.59	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	1.54	<1.00	<5.00	<100
	05/12/2008		10.53	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
D MW-15	02/26/1992	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[14-19]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	7.1	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	7.7	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	11/06/2000		16.39	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2001		16.24	-	-	-	-	-	ND	ND	ND	6.7	ND	ND	16	4.7	ND	-
	10/23/2003		16.77	-	-	-	-	-	<1	<1	<1	<1	2.3	<5	<1	<1	<10	NA
	02/05/2004		15.56	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	3.2	<5.00	<1.0	<1.00	<10.0	-
	08/04/2005		15.70	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
D MW-21	10/04/1991	-	-	-	-	-	-	-	ND	ND	ND	ND	5.8	NA	NA	NA	NA	-
[15-20]	04/07/1995		-	-	-	-	-	-	1.8	2.9	27	17	270	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	100	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	63	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	53	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	ND	ND	ND	ND	64	NA	NA	NA	NA	-
	03/24/2000		13.67	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		13.21	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	07/09/2002		12.48	-	-	-	-	-	ND	ND	ND	ND	12.5	ND	ND	ND	ND	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
D MW-21	05/08/2003		13.51	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	08/21/2003		13.62	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	5.1	<5.00	<1.0	<1.00	<10.0	-
	10/23/2003		13.94	-	-	-	-	-	<1	<1	<1	<1	4.3	<5	<1	<1	<10	NA
	05/05/2004		13.40	-	-	-	-	-	<1	<1	<1	<1	3.7	<5	<1	<1	<10	NA
	08/06/2004		13.10	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	5.2	<5.00	<1.0	<1.00	<10.0	NA
	02/03/2005		13.21	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	4.4	<5.00	<1.0	<1.00	<10.0	<100
	08/04/2005		13.10	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	2.50	<5.00	<1.00	<1.00	<10.0	<100
	11/02/2005		13.78	-	-	-	-	-	<1.00	<1.00	<1.00	<1.00	2.27	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		12.37	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		12.55	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	5.35	<5.00	<1.00	<1.00	<5.00	<100
	11/10/2006		12.45	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	7.25	<5.00	<1.00	<1.00	<10.0	<100
	02/21/2007		12.56	-	-	-	-	-	6.83	<1.00	<1.00	<3.00	7.55	<5.00	<1.00	<1.00	<10.0	<100
	05/22/2007		11.90	-	-	-	-	-	53.1	<1.00	<1.00	<3.00	7.12	<5.00	<1.00	<1.00	<10.0	<100
	08/20/2007		12.72	-	-	-	-	-	32.9	<1.00	<1.00	<3.00	5.30	<5.00	<1.00	<1.00	<10.0	<100
	11/15/2007		12.97	-	-	-	-	-	19.6	<1.00	<1.00	<3.00	4.32	<5.00	<1.00	<1.00	<10.0	<100
	02/21/2008		12.33	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	3.39	<5.00	<1.00	<1.00	<10.0	<100
	05/12/2009		10.62	-	-	-	-	LF	15.6	<1.00	<1.00	<3.00	7.19	<5.00	<1.00	<1.00	<10.0	<100
D MW-25	02/26/1992	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[13-18]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
D MW-34	11/10/2008	-	9.90	-	-	-	-	LF	3.01	2.74	<1.00	6.76	<1.00	<5.00	2.53	<1.00	<10.0	<100
[7.5-12.5]	12/09/2008		9.55	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		8.87	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
D OW-1	06/01/2006	-	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
D OW-3	06/01/2006	-	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
D OW-4	06/01/2006	-	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
D RW-1	01/14/1993	-	-	-	-	-	-	-	93	52	39	210	NA	NA	NA	NA	NA	-
	09/20/1994		-	-	-	-	-	-	170	190	14	180	NA	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		11.50	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.32	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		11.42	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
D RW-1	06/01/2006		10.49	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
Con't	05/12/2008		9.03	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
MW-6	10/04/1991	101.67	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[8.5-13.5]	04/07/1995		-	-	-	-	-	-	1.3	1.6	20	8.3	ND	NA	NA	NA	NA	-
	03/24/2000		13.46	88.21	-	-	88.21	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2000		DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	05/03/2005		13.49	88.18	-	-	88.18	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		13.33	88.34	-	-	88.34	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		13.41	88.26	-	-	88.26	IR	-	-	-	-	-	-	-	-	-	-
	11/10/2008		13.34	88.33	-	-	88.33	IR	-	-	-	-	-	-	-	-	-	-
	05/12/2009		11.60	90.07	-	-	90.07	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		13.43	88.24	-	-	88.24	GE	-	-	-	-	-	-	-	-	-	-
	02/16/2011		13.47	88.20	-	-	88.20	IW	-	-	-	-	-	-	-	-	-	-
	04/23/2012	-	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	10/04/2012	101.67	13.52	88.15	-	-	88.15	IR	-	-	-	-	-	-	-	-	-	-
MW-7	10/04/1991	100.74	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[10-15]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		5.56	95.18	-	-	95.18	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		5.13	95.61	-	-	95.61	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		4.30	96.44	-	-	96.44	-	51.6	5.9	5.4	6.9	<1.0	<5.00	1.8	<1.00	<10.0	<100.
	11/02/2005		7.61	93.13	-	-	93.13	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/02/2006		4.55	96.19	-	-	96.19	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		4.31	96.43	-	-	96.43	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		5.62	95.12	-	-	95.12	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		5.87	94.87	-	-	94.87	GE	-	-	-	-	-	-	-	-	-	-
	08/16/2010		6.95	93.79	-	-	93.79	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/16/2011		8.04	92.70	-	-	92.70	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
MW-8	10/04/1991	98.85	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[12.5-15]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-8	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
Con't	03/24/2000		4.81	94.04	-	-	94.04	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		5.02	93.83	-	-	93.83	GE	-	-	-	-	-	-	-	-	-	-
	05/05/2004		4.45	94.40	-	-	94.40	-	<1	<1	<1	<1	<1	<5	<1	<1	<10	NA
	06/01/2006		3.69	95.16	-	-	95.16	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		4.10	94.75	-	-	94.75	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		10.82	88.03	-	-	88.03	GE	-	-	-	-	-	-	-	-	-	-
MW-9	02/26/1992	99.18	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[11-16]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		5.40	93.78	-	-	93.78	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		5.47	93.71	-	-	93.71	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		5.51	93.67	-	-	93.67	-	9.0	65.7	6.6	33.4	1.8	<5.00	9.5	2.60	<10.0	<100.
	05/02/2006		5.03	94.15	-	-	94.15	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		3.83	95.35	-	-	95.35	GE	-	-	-	-	-	-	-	-	-	-
	07/20/2010		5.47	93.71	-	-	93.71	GE	-	-	-	-	-	-	-	-	-	-
	11/29/2010		6.33	92.85	-	-	92.85	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
MW-10	02/26/1992	99.13	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[14.5-19.5]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/06/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/15/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	03/24/2000		6.20	92.93	-	-	92.93	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		6.62	92.51	-	-	92.51	GE	-	-	-	-	-	-	-	-	-	-
	11/26/2002		8.04	91.09	-	-	91.09	-	<2	<2	<2	<2	<2	<5	<2	<2	<2	-
	06/01/2006		4.65	94.48	-	-	94.48	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		5.50	93.63	-	-	93.63	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/15/2007		6.20	92.93	-	-	92.93	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2008		6.12	93.01	-	-	93.01	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-10	07/20/2010		5.70	93.43	-	-	93.43	GE	-	-	-	-	-	-	-	-	-	-
Con't	08/16/2010		6.10	93.03	-	-	93.03	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
MW-11	10/04/1991	98.99	-	-	-	-	-	-	7	ND	ND	ND	ND	NA	NA	NA	NA	-
[9-14]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/01/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	08/06/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	2	0.5	ND	-
	02/15/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	03/24/2000		7.26	91.73	-	-	91.73	GE	-	1.8	1.3	9.6	ND	8.6	8.2	21	17	-
	11/06/2000		7.63	91.36	-	-	91.36	GE	-	-	-	-	-	-	-	-	-	-
	11/26/2002		8.60	90.39	-	-	90.39	-	<2	<2	<2	<2	<2	<5	<2	<2	<2	-
	05/08/2003		6.55	92.44	-	-	92.44	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		6.43	92.56	-	-	92.56	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	NA
	05/03/2005		6.96	92.03	-	-	92.03	-	100	1.5	12.2	22.4	<1.0	7.20	18.9	5.10	<10.0	<100.
	11/02/2005		8.21	90.78	-	-	90.78	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/02/2006		6.56	92.43	-	-	92.43	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		5.81	93.18	-	-	93.18	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		5.70	93.29	-	-	93.29	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	02/21/2007		7.52	91.47	-	-	91.47	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/12/2008		6.65	92.34	-	-	92.34	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2009		6.81	92.18	-	-	92.18	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/16/2010		7.43	91.56	-	-	91.56	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		6.11	92.88	-	-	92.88	GE	-	-	-	-	-	-	-	-	-	-
MW-12	10/04/1991	100.17	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[10-15]	04/07/1995		-	-	-	-	-	-	1.3	2.6	21	13	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		5.47	94.70	-	-	94.70	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		5.10	95.07	-	-	95.07	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		4.78	95.39	-	-	95.39	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		4.47	95.70	-	-	95.70	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-12	07/20/2010		6.20	93.97	-	-	93.97	GE	-	-	-	-	-	-	-	-	-	-
Con't	02/16/2011		7.84	92.33	-	-	92.33	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
MW-13	10/04/1991	96.14	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[7-12]	04/07/1995		-	-	-	-	-	-	ND	ND	4.9	5	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	3.3	ND	NA	NA	NA	NA	-
	03/24/2000		10.00	86.14	-	-	86.14	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	11/06/2000		10.85	85.29	-	-	85.29	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	01/07/2002		10.20	85.94	-	-	85.94	-	ND	2.2	1.8	11	ND	ND	7.2	1.9	ND	-
	11/10/2004		9.76	86.38	-	-	86.38	-	<1.0	2.7	2.0	15.1	<1.0	<5.00	4.7	1.40	<1.0	<100
	05/03/2005		9.23	86.91	-	-	86.91	-	2.7	3.2	54.3	66.7	<1.0	14.6	43.5	11.5	<10.0	<100.
	02/02/2006		9.01	87.13	-	-	87.13	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		8.74	87.40	-	-	87.40	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2009		8.16	87.98	-	-	87.98	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		8.80	87.34	-	-	87.34	GE	-	-	-	-	-	-	-	-	-	-
MW-14	10/04/1991	99.12	-	-	-	-	-	-	ND	ND	1.2	ND	ND	NA	NA	NA	NA	-
[16-21]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		5.55	93.57	-	-	93.57	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		5.34	93.78	-	-	93.78	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		5.72	93.40	-	-	93.40	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	NA
	08/04/2005		5.50	93.62	-	-	93.62	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		4.07	95.05	-	-	95.05	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		4.12	95.00	-	-	95.00	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		5.41	93.71	-	-	93.71	GE	-	-	-	-	-	-	-	-	-	-
MW-16	10/04/1991	96.80	-	-	-	-	-	-	9,000	250	37	180	11	NA	NA	NA	NA	-
[20-25]	06/17/1993		-	-	-	-	-	-	6,700	270	30	87	ND	NA	NA	NA	NA	-
	12/16/1993		-	-	-	-	-	-	4,700	210	24	130	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	4,700	130	6.2	80	880	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	7,600	130	13	56	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	7,100	90	12	85	350	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	5,400	29	11	43	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	4,900	ND	26	37	240	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	2,000	10	7.8	54	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	1,500	5	4.9	38.4	ND	ND	9	ND	ND	-
	02/01/1999		-	-	-	-	-	-	1,100	2.4	5.1	33	ND	ND	4	0.7	ND	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-16	08/06/1999		-	-	-	-	-	-	870	3.2	ND	16	ND	ND	2.1	ND	ND	-
Con't	02/15/2000		-	-	-	-	-	-	310	5	2.3	33	ND	ND	13	2.7	9.1	-
	03/24/2000		14.18	82.62	-	-	82.62	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2000		-	-	-	-	-	-	51	ND	ND	ND	ND	ND	1.1	ND	ND	-
	11/06/2000		12.65	84.15	-	-	84.15	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	01/22/2001		12.50	84.30	-	-	84.30	-	6.6	8.5	20	110	ND	19	76	22	34	-
	05/11/2001		11.85	84.95	-	-	84.95	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	07/20/2001		11.53	85.27	-	-	85.27	-	180	1.8	ND	7.1	ND	ND	2	ND	ND	-
	08/27/2001		11.94	84.86	-	-	84.86	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		-	-	-	-	-	-	ND	6.8	8.6	49	ND	8.6	26	8.6	15	-
	07/09/2002		12.99	83.81	-	-	83.81	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	11/26/2002		12.44	84.36	-	-	84.36	-	168	5.5	<2	14.2	<2	<2	3.2	<2	<2	-
	08/21/2003		12.45	84.35	-	-	84.35	-	53.7	2.2	<1.0	2.0	<1.0	<5.00	<1.0	<1.00	<10.0	-
	10/23/2003		12.78	84.02	-	-	84.02	-	44.7	2.4	<1	2.0	<1	<5	<1	<1	<10	NA
	08/06/2004		11.51	85.29	-	-	85.29	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	NA
	11/10/2004		12.07	84.73	-	-	84.73	-	13.4	<1.0	<1.0	2.4	<1.0	<5.00	1.2	<1.00	<10.0	<100
	02/03/2005		11.67	85.13	-	-	85.13	-	27.0	<1.0	<1.0	1.3	<1.0	<5.00	<1.0	<1.00	<10.0	<100
	08/04/2005		11.53	85.27	-	-	85.27	-	4.40	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/02/2005		12.25	84.55	-	-	84.55	-	11.2	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/02/2006		11.61	85.19	-	-	85.19	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.12	<10.0	<100
	05/02/2006		11.50	85.30	-	-	85.30	-	5.67	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		11.20	85.60	-	-	85.60	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		11.50	85.30	-	-	85.30	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	11/15/2007		11.59	85.21	-	-	85.21	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/11/2009		11.88	84.92	-	-	84.92	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	08/20/2009		10.87	85.93	-	-	85.93	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		11.17	85.63	-	-	85.63	GE	-	-	-	-	-	-	-	-	-	-
MW-17	10/04/1991	98.19	-	-	-	-	-	-	10	ND	ND	ND	12	NA	NA	NA	NA	-
[13-18]	12/16/1993		-	-	-	-	-	-	280	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	2,000	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	3,800	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	3,500	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	1,500	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	5,600	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	6,440	ND	ND	ND	ND	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	2,900	ND	ND	ND	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	1,500	ND	ND	ND	ND	ND	ND	ND	ND	-
	02/01/1999		-	-	-	-	-	-	610	ND	ND	ND	ND	ND	ND	ND	ND	-
	08/06/1999		-	-	-	-	-	-	290	ND	ND	ND	ND	ND	ND	ND	ND	-
	02/15/2000		-	-	-	-	-	-	ND	1.9	1.8	14	ND	15	17	4.3	35	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-17	03/24/2000		14.37	83.82	-	-	83.82	GE	-	-	-	-	-	-	-	-	-	-
Con't	08/04/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	11/06/2000		14.30	83.89	-	-	83.89	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		13.25	84.94	-	-	84.94	GE	-	-	-	-	-	-	-	-	-	-
	07/20/2001		13.09	85.10	-	-	85.10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	08/27/2001		13.40	84.79	-	-	84.79	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	01/07/2002		13.40	84.79	-	-	84.79	-	ND	ND	ND	4.6	ND	ND	3.4	ND	ND	-
	07/09/2002		11.44	86.75	-	-	86.75	-	149	4.9	ND	9.9	ND	ND	2.5	ND	ND	-
	11/26/2002		13.98	84.21	-	-	84.21	-	<2	<2	<2	<2	<2	<5	<2	<2	<2	-
	05/08/2003		13.76	84.43	-	-	84.43	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		14.15	84.04	-	-	84.04	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	-
	05/05/2004		13.69	84.50	-	-	84.50	-	<1	<1	<1	<1	<1	<5	<1	<1	<10	NA
	11/10/2004		13.58	84.61	-	-	84.61	-	<1.0	<1.0	<1.0	3.1	<1.0	<5.00	1.4	<1.00	<10.0	<100
	02/03/2005		11.80	86.39	-	-	86.39	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	<100
	08/04/2005		13.15	85.04	-	-	85.04	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/02/2006		12.98	85.21	-	-	85.21	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		12.70	85.49	-	-	85.49	GE	-	-	-	-	-	-	-	-	-	-
	11/15/2007		13.10	85.09	-	-	85.09	-	<1.00	<1.00	<1.00	<3.00	1.05	<5.00	<1.00	<1.00	<10.0	<100
	02/11/2009		12.94	85.25	-	-	85.25	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		12.67	85.52	-	-	85.52	GE	-	-	-	-	-	-	-	-	-	-
MW-18	10/04/1991	100.92	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[19-24]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		12.75	88.17	-	-	88.17	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		12.50	88.42	-	-	88.42	GE	-	-	-	-	-	-	-	-	-	-
	01/07/2002		12.00	88.92	-	-	88.92	-	-	-	-	-	-	-	-	-	-	-
	02/02/2006		11.61	89.31	-	-	89.31	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		11.14	89.78	-	-	89.78	GE	-	-	-	-	-	-	-	-	-	-
	11/15/2007		11.87	89.05	-	-	89.05	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2008		11.40	89.52	-	-	89.52	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		11.50	89.42	-	-	89.42	GE	-	-	-	-	-	-	-	-	-	-
	07/27/2011		11.64	89.28	-	-	89.28	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-19	10/04/1991	105.09	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[18-23]	04/07/1995		-	-	-	-	-	-	1.6	2.7	25	14	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-19	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
Con't	03/24/2000		17.20	87.89	-	-	87.89	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		16.90	88.19	-	-	88.19	GE	-	-	-	-	-	-	-	-	-	-
	09/13/2001		11.50	93.59	-	-	93.59	-	-	-	-	-	-	-	-	-	-	-
	05/03/2005		16.01	89.08	-	-	89.08	-	93.6	<1.0	188	<1.0	<1.0	54.8	195	52.8	22.7	<100.
	02/02/2006		16.22	88.87	-	-	88.87	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/02/2006		15.80	89.29	-	-	89.29	-	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		15.63	89.46	-	-	89.46	GE	-	-	-	-	-	-	-	-	-	-
	11/15/2007		16.31	88.78	-	-	88.78	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/11/2009		15.62	89.47	-	-	89.47	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		15.91	89.18	-	-	89.18	GE	-	-	-	-	-	-	-	-	-	-
MW-20	10/04/1991	98.95	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[25-30]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	11/11/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	07/23/1998		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/01/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	03/24/2000		11.78	87.17	-	-	87.17	GE	-	-	-	-	-	ND	0.2	ND	ND	-
	11/06/2000		13.50	85.45	-	-	85.45	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		6.32	92.63	-	-	92.63	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	NA
	08/04/2005		11.35	87.60	-	-	87.60	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		10.71	88.24	-	-	88.24	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		10.20	88.75	-	-	88.75	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		10.94	88.01	-	-	88.01	GE	-	-	-	-	-	-	-	-	-	-
MW-23	10/04/1991	96.15	-	-	-	-	-	-	640	ND	ND	ND	ND	NA	NA	NA	NA	-
[22-27]	06/17/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	1.1	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	3.9	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/06/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/15/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	03/24/2000		11.12	85.03	-	-	85.03	GE	-	1.3	2.4	19	ND	28	40	10	45	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NL,V
MW-23	11/06/2000		10.60	85.55	-	-	85.55	GE	-	-	-	-	-	-	-	-	-	-
Con't	01/07/2002		-	-	-	-	-	-	ND	1.3	ND	ND	ND	ND	ND	ND	ND	-
	08/21/2003		10.91	85.24	-	-	85.24	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.00	<10.0	-
	06/01/2006		9.61	86.54	-	-	86.54	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		9.86	86.29	-	-	86.29	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	07/08/2008		9.25	86.90	-	-	86.90	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2009		9.73	86.42	-	-	86.42	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/13/2010		9.37	86.78	-	-	86.78	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		9.56	86.59	-	-	86.59	GE	-	-	-	-	-	-	-	-	-	-
	10/04/2012		10.27	85.88	-	-	85.88	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-24	02/26/1992	95.28	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[25-30]	12/16/1993		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/08/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	03/24/2000		11.56	83.72	-	-	83.72	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.20	84.08	-	-	84.08	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		9.52	85.76	-	-	85.76	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		9.84	85.44	-	-	85.44	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	07/20/2010		9.50	85.78	-	-	85.78	GE	-	-	-	-	-	-	-	-	-	-
MW-26	02/26/1992	100.79	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
[20-25]	08/30/1994		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/07/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	09/18/1995		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	04/19/1996		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/20/1997		-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NA	NA	NA	-
	02/01/1999		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.4	ND	ND	-
	03/24/2000		16.01	84.78	-	-	84.78	GE	-	-	-	-	-	-	-	-	-	-
	11/06/2000		16.62	84.17	-	-	84.17	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		16.90	83.89	-	-	83.89	-	<1	<1	<1	<1	2.8	<5	<1	<1	<10	NA
	02/05/2004		16.77	84.02	-	-	84.02	-	<1.0	<1.0	<1.0	<1.0	2.8	<5.00	<1.0	<1.00	<10.0	-
	11/10/2004		16.15	84.64	-	-	84.64	-	<1.0	1.2	<1.0	4.8	2.8	<5.00	2.8	<1.00	<10.0	<100
	02/03/2005		13.91	86.88	-	-	86.88	-	<1.0	<1.0	<1.0	<1.0	3.1	<5.00	<1.0	<1.00	<10.0	<100
	06/01/2006		15.29	85.50	-	-	85.50	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2007		15.62	85.17	-	-	85.17	-	<1.00	<1.00	<1.00	<3.00	2.42	<5.00	<1.00	<1.00	<10.0	<100
	11/15/2007		15.73	85.06	-	-	85.06	-	<1.00	<1.00	<1.00	<3.00	1.69	<5.00	<1.00	<1.00	<10.0	<100

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-26 Con't	07/20/2010		20.90	79.89	-	-	79.89	GE	-	-	-	-	-	-	-	-	-	-
MW-27 [7.5-12.5]	08/06/1999	97.81	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	02/15/2000		-	-	-	-	-	-	ND	1.4	1	7.8	ND	14	9	2.3	35	-
	03/24/2000		6.23	91.58	-	-	91.58	GE	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	08/04/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	11/06/2000		6.40	91.41	-	-	91.41	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		5.68	92.13	-	-	92.13	-	<1	<1	<1	<1	<1	<5	<1	<1	<10	NA
	02/05/2004		6.74	91.07	-	-	91.07	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.00	<10.0	-
	08/04/2005		4.60	93.21	-	-	93.21	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/01/2006		4.31	93.50	-	-	93.50	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		4.73	93.08	-	-	93.08	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	02/21/2007		3.20	94.61	-	-	94.61	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		2.67	95.14	-	-	95.14	GE	-	-	-	-	-	-	-	-	-	-
MW-28 [10-15]	08/06/1999	97.85	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	02/15/2000		-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	2.6	ND	ND	-
	03/24/2000		14.09	83.76	-	-	83.76	GE	-	-	-	-	-	-	-	-	-	-
MW-29R [9-14]	01/27/2010	101.24	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	07/20/2010		DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	11/29/2010		DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	07/27/2011		DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	04/23/2012	-	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-
	10/04/2012	101.24	DRY	-	-	-	-	IR	-	-	-	-	-	-	-	-	-	-
MW-30 [10-15]	05/18/2000	102.78	12.65	90.13	-	-	90.13	-	-	-	-	-	-	-	-	-	-	-
	05/26/2000		12.26	90.52	-	-	90.52	-	-	-	-	-	-	-	-	-	-	-
	06/02/2000		12.20	90.58	-	-	90.58	-	-	-	-	-	-	-	-	-	-	-
	06/22/2000		12.33	90.45	-	-	90.45	-	-	-	-	-	-	-	-	-	-	-
	07/11/2000		12.13	90.65	-	-	90.65	-	-	-	-	-	-	-	-	-	-	-
	08/01/2000		12.31	90.47	-	-	90.47	-	-	-	-	-	-	-	-	-	-	-
	08/04/2000		-	-	-	-	-	-	5,100	68	2,000	2,600	ND	41	190	20	ND	-
	10/02/2000		12.11	90.67	-	-	90.67	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		12.95	89.83	-	-	89.83	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2001		12.52	90.26	-	-	90.26	-	3,900	57	1,600	1,900	50	46	130	9.3	ND	-
	03/08/2001		9.82	92.96	-	-	92.96	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		12.07	90.71	-	-	90.71	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		11.14	91.64	-	-	91.64	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		11.72	91.06	-	-	91.06	-	4,400	79	1,900	2,200	ND	27	120	8.5	ND	-
	08/27/2001		12.14	90.64	-	-	90.64	-	-	-	-	-	-	-	-	-	-	-

Table I
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-30	09/13/2001		12.38	90.40	-	-	90.40	-	-	-	-	-	-	-	-	-	-	-
Con't	11/16/2001		12.10	90.68	-	-	90.68	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		12.10	90.68	-	-	90.68	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		12.20	90.58	-	-	90.58	-	-	-	-	-	-	-	-	-	-	-
	02/08/2002		12.20	90.58	-	-	90.58	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		11.41	91.37	-	-	91.37	-	-	-	-	-	-	-	-	-	-	-
	05/06/2002		11.60	91.18	-	-	91.18	-	-	-	-	-	-	-	-	-	-	-
	05/11/2002		12.00	90.78	-	-	90.78	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		11.33	91.45	-	-	91.45	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		11.69	91.09	-	-	91.09	-	3,460	ND	1,780	1,680	ND	ND	ND	ND	ND	-
	08/06/2002		11.43	91.35	-	-	91.35	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		12.15	90.63	-	-	90.63	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		12.30	90.48	-	-	90.48	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		12.93	89.85	-	-	89.85	-	3,210	55.5	1,540	2,040	<2	14.7	60.4	3.7	<2	-
	12/30/2002		13.14	89.64	-	-	89.64	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		13.21	89.57	-	-	89.57	-	-	-	-	-	-	-	-	-	-	-
	03/11/2003		13.25	89.53	-	-	89.53	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		12.69	90.09	-	-	90.09	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2003		12.89	89.89	-	-	89.89	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		12.88	89.90	-	-	89.90	-	2,490	29.3	636	1,410	4.9	5.50	26.8	1.60	<10.0	-
	10/23/2003		13.70	89.08	-	-	89.08	GE	-	-	-	-	-	-	-	-	-	-
	02/05/2004		13.15	89.63	-	-	89.63	-	970	29.0	200	575	13.0	28.0	108	28.5	<10	-
	05/05/2004		12.69	90.09	-	-	90.09	-	1,530	30.0	108	960	4.6	<5	22.4	1.80	<10	NA
	08/06/2004		12.37	90.41	-	-	90.41	-	1,920	22.3	8.4	550	5.8	<5.00	21.7	2.40	<10.0	NA
	11/10/2004		13.00	89.78	-	-	89.78	-	1,460	22.7	3.9	463	3.7	<5.00	13.9	1.20	<10.0	<100
	02/03/2005		12.41	90.37	-	-	90.37	-	1,680	43.8	6.8	336	4.6	6.80	15.4	1.10	<10.0	<100
	08/04/2005		12.25	90.53	-	-	90.53	-	22.0	<1.00	6.02	90.3	<1.00	<5.00	1.57	<1.00	<10.0	<100
	11/02/2005		13.02	89.76	-	-	89.76	-	10.6	<1.00	<1.00	<1.00	<1.00	<5.00	1.38	<1.00	27.0	<100
	01/03/2006		12.42	90.36	-	-	90.36	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		11.72	91.06	-	-	91.06	-	2.20	<1.00	<1.00	1.39	<1.00	<5.00	1.69	1.20	<10.0	<100
	03/02/2006		11.64	91.14	-	-	91.14	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		11.58	91.20	-	-	91.20	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		11.70	91.08	-	-	91.08	-	<1.00	<1.00	<1.00	<1.00	<1.00	8.39	<1.00	<1.00	92.1	<100
	06/01/2006		11.44	91.34	-	-	91.34	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		11.49	91.29	-	-	91.29	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		11.34	91.44	-	-	91.44	GE	-	-	-	-	-	-	-	-	-	-
	09/26/2006		11.54	91.24	-	-	91.24	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		11.39	91.39	-	-	91.39	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		11.59	91.19	-	-	91.19	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	12/07/2006		11.25	91.53	-	-	91.53	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		11.38	91.40	-	-	91.40	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-30	04/23/2007		11.09	91.69	-	-	91.69	GE	-	-	-	-	-	-	-	-	-	-
Con't	05/22/2007		11.05	91.73	-	-	91.73	-	<1.00	<1.00	<1.00	<3.00	<1.00	7.20	<1.00	<1.00	14.3	<100
	06/21/2007		11.07	91.71	-	-	91.71	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		10.57	92.21	-	-	92.21	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		11.86	90.92	-	-	90.92	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	09/27/2007		11.91	90.87	-	-	90.87	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		11.91	90.87	-	-	90.87	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		11.22	91.56	-	-	91.56	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	03/17/2008		10.76	92.02	-	-	92.02	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		10.37	92.41	-	-	92.41	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/08/2008		10.52	92.26	-	-	92.26	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		10.98	91.80	-	-	91.80	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/11/2009		10.74	92.04	-	-	92.04	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	08/20/2009		11.19	91.59	-	-	91.59	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2009		14.44	88.34	-	-	88.34	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/16/2010		14.72	88.06	-	-	88.06	-	4.08	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/13/2010		13.66	89.12	-	-	89.12	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		14.25	88.53	-	-	88.53	GE	-	-	-	-	-	-	-	-	-	-
	08/16/2010		14.65	88.13	-	-	88.13	LF	6.29	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/29/2010		15.36	87.42	-	-	87.42	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/16/2011		15.76	87.02	-	-	87.02	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	04/23/2012		14.31	88.47	-	-	88.47	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	10/04/2012		15.52	87.26	-	-	87.26	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-31	05/18/2000	97.48	10.13	87.35	-	-	87.35	-	-	-	-	-	-	-	-	-	-	-
[8-13]	05/26/2000		9.72	87.76	-	-	87.76	-	-	-	-	-	-	-	-	-	-	-
	06/02/2000		9.63	87.85	-	-	87.85	-	-	-	-	-	-	-	-	-	-	-
	06/22/2000		9.72	87.76	-	-	87.76	-	-	-	-	-	-	-	-	-	-	-
	07/11/2000		11.43	86.05	-	-	86.05	-	-	-	-	-	-	-	-	-	-	-
	08/01/2000		9.63	87.85	-	-	87.85	-	-	-	-	-	-	-	-	-	-	-
	08/04/2000		-	-	-	-	-	-	100	9	270	1,100	ND	580	2,700	570	240	-
	10/02/2000		9.50	87.98	-	-	87.98	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		10.60	86.88	-	-	86.88	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2001		12.01	85.47	-	-	85.47	-	310	12	360	340	ND	33	330	3.1	ND	-
	03/08/2001		10.22	87.26	-	-	87.26	GE	-	-	-	-	-	-	-	-	-	-
	04/16/2001		9.58	87.90	-	-	87.90	GE	-	-	-	-	-	-	-	-	-	-
	05/11/2001		9.44	88.04	-	-	88.04	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		8.41	89.07	-	-	89.07	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		9.16	88.32	-	-	88.32	-	320	4.1	230	75	ND	140	400	ND	43	-
	08/27/2001		9.67	87.81	-	-	87.81	-	-	-	-	-	-	-	-	-	-	-
	09/13/2001		9.69	87.79	-	-	87.79	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-31	11/16/2001		9.42	88.06	-	-	88.06	-	-	-	-	-	-	-	-	-	-	-
Con't	12/21/2001		9.40	88.08	-	-	88.08	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		9.60	87.88	-	-	87.88	-	570	12	310	88	ND	75	210	2.7	5.1	-
	02/08/2002		9.65	87.83	-	-	87.83	-	-	-	-	-	-	-	-	-	-	-
	03/13/2002		8.76	88.72	-	-	88.72	-	-	-	-	-	-	-	-	-	-	-
	05/06/2002		8.94	88.54	-	-	88.54	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		8.59	88.89	-	-	88.89	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		8.99	88.49	-	-	88.49	-	416	7.5	232	75.5	ND	94.5	378	ND	ND	-
	08/06/2002		9.07	88.41	-	-	88.41	-	-	-	-	-	-	-	-	-	-	-
	10/09/2002		9.71	87.77	-	-	87.77	-	-	-	-	-	-	-	-	-	-	-
	11/26/2002		10.33	87.15	-	-	87.15	-	544	6.2	126	87	<2	109	195	3.7	<2	-
	12/30/2002		11.62	85.86	-	-	85.86	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		10.66	86.82	-	-	86.82	-	-	-	-	-	-	-	-	-	-	-
	05/08/2003		9.98	87.50	-	-	87.50	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		10.31	87.17	-	-	87.17	-	4,840	18.4	109	40.0	<1.0	175	1,460	2.70	33.2	-
	10/23/2003		10.78	86.70	-	-	86.70	-	572	17.7	115	68.7	<1	286	28.4	5.5	33.2	NA
	02/05/2004		10.53	86.95	-	-	86.95	-	250	4.0	32.4	14.8	2.3	115	83.9	<1.00	<10.0	-
	08/06/2004		9.57	87.91	-	-	87.91	-	152	1.1	53.3	4.7	<1.0	5.3	84.4	<1.00	<10.0	NA
	11/10/2004		10.32	87.16	-	-	87.16	-	222	2.4	44.4	10.2	<1.0	16.2	67.6	11.6	<10.0	<100
	02/03/2005		9.76	87.72	-	-	87.72	-	67.2	<1.0	37.8	4.9	<1.0	<5.00	18.4	<1.00	<10.0	<100
	06/02/2005		9.61	87.87	-	-	87.87	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		9.55	87.93	-	-	87.93	-	254	2.66	121	13.9	<1.00	7.47	37.8	7.82	<10.0	<100
	09/06/2005		9.97	87.51	-	-	87.51	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		10.09	87.39	-	-	87.39	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		10.35	87.13	-	-	87.13	-	191	3.19	30.5	17.2	<1.00	9.80	32.9	7.67	<10.0	<100
	12/08/2005		10.30	87.18	-	-	87.18	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		8.91	88.57	-	-	88.57	-	136	1.29	4.46	3.15	<1.00	7.28	3.43	2.77	<10.0	<100
	03/02/2006		8.89	88.59	-	-	88.59	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		8.85	88.63	-	-	88.63	GE	-	-	-	-	-	-	-	-	-	-
	06/01/2006		8.69	88.79	-	-	88.79	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		8.75	88.73	-	-	88.73	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<5.00	<100
	08/31/2006		8.50	88.98	-	-	88.98	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		8.90	88.58	-	-	88.58	-	1.44	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/21/2007		9.19	88.29	-	-	88.29	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	04/23/2007		8.31	89.17	-	-	89.17	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		8.26	89.22	-	-	89.22	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	06/21/2007		8.27	89.21	-	-	89.21	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		8.84	88.64	-	-	88.64	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		9.06	88.42	-	-	88.42	-	1.22	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/15/2007		9.41	88.07	-	-	88.07	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	04/18/2008		7.31	90.17	-	-	90.17	GE	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-31	05/12/2008		7.78	89.70	-	-	89.70	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
Con't	06/16/2008		7.78	89.70	-	-	89.70	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		8.35	89.13	-	-	89.13	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2008		8.74	88.74	-	-	88.74	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	2.40	<10.0	<100
	03/06/2009		7.41	90.07	-	-	90.07	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2009		6.47	91.01	-	-	91.01	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	08/20/2009		8.52	88.96	-	-	88.96	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2009		9.01	88.47	-	-	88.47	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	01/27/2010		9.20	88.28	-	-	88.28	GE	-	-	-	-	-	-	-	-	-	-
	02/16/2010		9.37	88.11	-	-	88.11	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/13/2010		8.34	89.14	-	-	89.14	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		8.86	88.62	-	-	88.62	GE	-	-	-	-	-	-	-	-	-	-
	08/16/2010		9.24	88.24	-	-	88.24	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/29/2010		9.81	87.67	-	-	87.67	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	04/23/2012		9.92	87.56	-	-	87.56	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
	10/04/2012		10.13	87.35	-	-	87.35	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-32	06/02/2000	98.65	10.52	88.13	10.48	0.04	88.16	-	-	-	-	-	-	-	-	-	-	-
[10-15]	08/01/2000		10.70	87.95	10.62	0.08	88.01	-	-	-	-	-	-	-	-	-	-	-
	10/02/2000		15.00	83.65	-	-	83.65	-	-	-	-	-	-	-	-	-	-	-
	11/06/2000		11.37	87.28	-	-	87.28	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2000		11.02	87.63	11.01	0.01	87.64	-	-	-	-	-	-	-	-	-	-	-
	01/07/2001		10.70	87.95	-	-	87.95	-	-	-	-	-	-	-	-	-	-	-
	01/23/2001		11.30	87.35	10.9	0.40	87.65	-	-	-	-	-	-	-	-	-	-	-
	02/08/2001		10.73	87.92	-	-	87.92	GE	-	-	-	-	-	-	-	-	-	-
	03/08/2001		10.20	88.45	-	-	88.45	GE	-	-	-	-	-	-	-	-	-	-
	03/13/2001		9.90	88.75	-	-	88.75	-	-	-	-	-	-	-	-	-	-	-
	04/16/2001		10.05	88.60	-	-	88.60	GE	-	-	-	-	-	-	-	-	-	-
	05/06/2001		10.09	88.56	-	-	88.56	-	-	-	-	-	-	-	-	-	-	-
	05/11/2001		10.48	88.17	-	-	88.17	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2001		9.57	89.08	-	-	89.08	-	-	-	-	-	-	-	-	-	-	-
	07/20/2001		10.25	88.40	-	-	88.40	-	3,800	340	1,100	5,100	69	330	2,000	650	350	-
	08/27/2001		10.61	88.04	-	-	88.04	-	-	-	-	-	-	-	-	-	-	-
	09/13/2001		10.75	87.90	-	-	87.90	-	-	-	-	-	-	-	-	-	-	-
	12/21/2001		10.50	88.15	-	-	88.15	-	-	-	-	-	-	-	-	-	-	-
	06/06/2002		9.77	88.88	-	-	88.88	-	-	-	-	-	-	-	-	-	-	-
	06/22/2002		10.62	88.03	-	-	88.03	-	-	-	-	-	-	-	-	-	-	-
	07/09/2002		10.16	88.49	-	-	88.49	-	-	-	-	-	-	-	-	-	-	-
	07/11/2002		10.45	88.20	10.43	0.02	88.22	-	-	-	-	-	-	-	-	-	-	-
	08/06/2002		10.20	88.45	-	-	88.45	-	-	-	-	-	-	-	-	-	-	-
	09/09/2002		10.61	88.04	-	-	88.04	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (ng/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-32	10/09/2002		10.74	87.91	-	-	87.91	-	-	-	-	-	-	-	-	-	-	-
Con't	11/26/2002		11.44	87.21	11.39	0.05	87.25	-	-	-	-	-	-	-	-	-	-	-
	01/15/2003		11.73	86.92	-	-	86.92	-	-	-	-	-	-	-	-	-	-	-
	02/12/2003		12.07	86.58	-	-	86.58	GE	-	-	-	-	-	-	-	-	-	-
	03/11/2003		11.70	86.95	-	-	86.95	GE	-	-	-	-	-	-	-	-	-	-
	04/11/2003		11.16	87.49	-	-	87.49	GE	-	-	-	-	-	-	-	-	-	-
	05/08/2003		11.20	87.45	-	-	87.45	GE	-	-	-	-	-	-	-	-	-	-
	06/06/2003		11.25	87.40	-	-	87.40	GE	-	-	-	-	-	-	-	-	-	-
	08/21/2003		11.45	87.20	-	-	87.20	GE	-	-	-	-	-	-	-	-	-	-
	09/17/2003		11.82	86.83	-	-	86.83	GE	-	-	-	-	-	-	-	-	-	-
	10/23/2003		11.91	86.74	-	-	86.74	GE	-	-	-	-	-	-	-	-	-	-
	12/30/2003		11.62	87.03	-	-	87.03	-	-	-	-	-	-	-	-	-	-	-
	02/05/2004		11.72	86.93	-	-	86.93	GE	-	-	-	-	-	-	-	-	-	-
	07/02/2004		10.61	88.04	-	-	88.04	GE	-	-	-	-	-	-	-	-	-	-
	08/06/2004		10.92	87.73	-	-	87.73	-	2,180	16.0	545	916	<5.0	116	690	216	79.5	NA
	10/15/2004		11.56	87.09	-	-	87.09	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2004		11.58	87.07	-	-	87.07	GE	-	-	-	-	-	-	-	-	-	-
	12/06/2004		11.21	87.44	-	-	87.44	GE	-	-	-	-	-	-	-	-	-	-
	01/11/2005		11.00	87.65	-	-	87.65	GE	-	-	-	-	-	-	-	-	-	-
	02/03/2005		11.40	87.25	-	-	87.25	GE	-	-	-	-	-	-	-	-	-	-
	03/04/2005		11.38	87.27	-	-	87.27	GE	-	-	-	-	-	-	-	-	-	-
	04/05/2005		10.56	88.09	-	-	88.09	GE	-	-	-	-	-	-	-	-	-	-
	05/03/2005		10.69	87.96	-	-	87.96	GE	-	-	-	-	-	-	-	-	-	-
	06/02/2005		10.95	87.70	-	-	87.70	GE	-	-	-	-	-	-	-	-	-	-
	07/11/2005		10.80	87.85	-	-	87.85	GE	-	-	-	-	-	-	-	-	-	-
	08/04/2005		10.91	87.74	-	-	87.74	-	817	2.02	335	350	<1.00	104	648	45.8	61.1	<100
	09/06/2005		11.26	87.39	-	-	87.39	GE	-	-	-	-	-	-	-	-	-	-
	10/06/2005		11.38	87.27	-	-	87.27	GE	-	-	-	-	-	-	-	-	-	-
	11/02/2005		11.65	87.00	-	-	87.00	-	273	2.49	194	203	<1.00	43.2	378	45.8	16.2	<100
	12/08/2005		11.58	87.07	-	-	87.07	GE	-	-	-	-	-	-	-	-	-	-
	01/03/2006		11.16	87.49	-	-	87.49	GE	-	-	-	-	-	-	-	-	-	-
	02/02/2006		10.34	88.31	-	-	88.31	-	95.2	2.13	263	356	<1.00	101	304	36.8	49.4	<100
	03/02/2006		10.35	88.30	-	-	88.30	GE	-	-	-	-	-	-	-	-	-	-
	04/03/2006		10.28	88.37	-	-	88.37	GE	-	-	-	-	-	-	-	-	-	-
	05/02/2006		10.41	88.24	-	-	88.24	-	38.5	1.29	275	355	<1.00	62.3	352	55.5	35.4	<100
	06/01/2006		10.15	88.50	-	-	88.50	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		10.24	88.41	-	-	88.41	GE	-	-	-	-	-	-	-	-	-	-
	08/31/2006		10.00	88.65	-	-	88.65	GE	-	-	-	-	-	-	-	-	-	-
	10/20/2006		10.10	88.55	-	-	88.55	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2006		10.30	88.35	-	-	88.35	-	20.8	<1.00	620	977	<1.00	176	995	109	96.8	<100

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-32	12/07/2006		9.93	88.72	-	-	88.72	GE	-	-	-	-	-	-	-	-	-	-
Con't	01/22/2007		9.77	88.88	-	-	88.88	GE	-	-	-	-	-	-	-	-	-	-
	03/22/2007		10.00	88.65	-	-	88.65	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2007		9.81	88.84	-	-	88.84	GE	-	-	-	-	-	-	-	-	-	-
	05/22/2007		9.75	88.90	-	-	88.90	-	8.31	3.52	545	820	<1.00	150	758	156	90.8	<100
	06/21/2007		9.79	88.86	-	-	88.86	GE	-	-	-	-	-	-	-	-	-	-
	07/23/2007		10.29	88.36	-	-	88.36	GE	-	-	-	-	-	-	-	-	-	-
	08/20/2007		10.53	88.12	-	-	88.12	-	6.82	3.25	814	995	<1.00	247	1,120	113	126	<100
	09/27/2007		12.62	86.03	-	-	86.03	GE	-	-	-	-	-	-	-	-	-	-
	10/19/2007		10.56	88.09	-	-	88.09	GE	-	-	-	-	-	-	-	-	-	-
	11/15/2007		10.78	87.87	-	-	87.87	-	5.83	1.75	854	1,010	<1.00	169	1,040	71.8	84.9	<100
	12/18/2007		10.79	87.86	-	-	87.86	GE	-	-	-	-	-	-	-	-	-	-
	01/22/2008		10.20	88.45	-	-	88.45	GE	-	-	-	-	-	-	-	-	-	-
	02/21/2008		9.96	88.69	-	-	88.69	-	5.84	1.95	825	1,150	<1.00	227	1,150	86.4	82.8	<100
	03/17/2008		9.59	89.06	-	-	89.06	GE	-	-	-	-	-	-	-	-	-	-
	04/18/2008		8.86	89.79	-	-	89.79	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2008		9.28	89.37	-	-	89.37	-	3.58	2.28	989	1,690	<1.00	220	1,390	171	83.2	<100
	06/16/2008		9.28	89.37	-	-	89.37	GE	-	-	-	-	-	-	-	-	-	-
	07/08/2008		9.36	89.29	-	-	89.29	GE	-	-	-	-	-	-	-	-	-	-
	08/08/2008		9.81	88.84	-	-	88.84	-	3.66	1.78	1,920	3,390	<1.00	360	2,380	111	116	<100
	09/15/2008		8.91	89.74	-	-	89.74	GE	-	-	-	-	-	-	-	-	-	-
	10/14/2008		9.80	88.85	-	-	88.85	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2008		10.14	88.51	-	-	88.51	LF	5.62	2.65	914	948	<1.00	196	943	50.6	57.8	<100
	12/09/2008		10.14	88.51	-	-	88.51	GE	-	-	-	-	-	-	-	-	-	-
	01/06/2009		9.30	89.35	-	-	89.35	GE	-	-	-	-	-	-	-	-	-	-
	02/11/2009		9.51	89.14	-	-	89.14	-	2.77	1.82	867	1,250	<1.00	357	1,170	58.5	33.0	<100
	03/06/2009		9.07	89.58	-	-	89.58	GE	-	-	-	-	-	-	-	-	-	-
	05/12/2009		8.05	90.60	-	-	90.60	LF	1.41	1.97	774	989	<1.00	195	963	87.1	79.8	<100
	08/20/2009		9.91	88.74	-	-	88.74	LF	1.78	1.11	524	569	<1.00	165	644	36.8	47.8	<100
	11/10/2009		10.37	88.28	-	-	88.28	-	2.44	1.71	1,230	1,420	<1.00	318	1,560	35.2	126	<100

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-32	02/16/2010		10.71	87.94	-	-	87.94	-	2.27	<1.00	685	797	<1.00	160	1,080	4.73	37.6	<100
Con't	05/13/2010		9.77	88.88	-	-	88.88	-	1.82	<1.00	1,120	1,400	<1.00	244	2,220	25.6	53.0	<100
	07/20/2010		10.25	88.40	-	-	88.40	GE	-	-	-	-	-	-	-	-	-	-
	08/16/2010		10.54	88.11	-	-	88.11	LF	1.75	1.38	507	534	<1.00	116	652	166	24.7	<100
	11/29/2010		11.31	87.34	-	-	87.34	-	2.24	<1.00	68.2	28.4	<1.00	<5.00	50.2	<1.00	<10.0	<100
	02/16/2011		11.73	86.92	-	-	86.92	-	2.48	<1.00	55.5	43.6	<1.00	14.7	176	<1.00	<10.0	<100
	07/27/2011		10.46	88.19	-	-	88.19	-	1.12	1.86	582	382	<1.00	155	1,250	10.1	35.6	-
	11/07/2011		10.45	88.20	-	-	88.20	-	1.72	<1.00	112	133	<1.00	25.1	214	71.8	<10.0	-
	04/23/2012		10.33	88.32	-	-	88.32	-	<1.00	<1.00	457	562	<1.00	75.8	985	2.59	<10.0	-
	10/04/2012		11.50	87.15	-	-	87.15	-	1.30	<1.00	70.9	89.5	<1.00	27.8	295	<1.00	<10.0	-
MW-33	07/20/2001	103.40	15.32	88.08	-	-	88.08	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
[9-14]	11/16/2001		10.50	92.90	-	-	92.90	-	-	-	-	-	-	-	-	-	-	-
	01/07/2002		15.90	87.50	-	-	87.50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	08/21/2003		16.56	86.84	-	-	86.84	-	<1.0	<1.0	<1.0	<1.0	15.4	<5.00	<1.0	<1.00	<10.0	-
	10/23/2003		16.95	86.45	-	-	86.45	-	<1	<1	<1	<1	13.5	<5	<1	<1	<10	NA
	08/06/2004		16.14	87.26	-	-	87.26	-	<1.0	<1.0	<1.0	<1.0	17.7	<5.00	<1.0	<1.00	<10.0	NA
	02/03/2005		16.11	87.29	-	-	87.29	-	<1.0	<1.0	<1.0	<1.0	19.9	<5.00	<1.0	<1.00	<10.0	<100
	11/02/2005		16.62	86.78	-	-	86.78	-	<1.00	<1.00	<1.00	<1.00	14.2	<5.00	1.50	<1.00	14.0	<100
	06/01/2006		15.35	88.05	-	-	88.05	GE	-	-	-	-	-	-	-	-	-	-
	08/07/2006		15.51	87.89	-	-	87.89	-	<1.00	<1.00	<1.00	<3.00	13.7	<5.00	<1.00	<1.00	<5.00	<100
	11/10/2006		15.40	88.00	-	-	88.00	-	<1.00	<1.00	<1.00	<3.00	20.6	<5.00	<1.00	<1.00	<10.0	<100
	05/22/2007		14.96	88.44	-	-	88.44	-	<1.00	<1.00	<1.00	<3.00	8.76	<5.00	<1.00	<1.00	<10.0	<100
	08/20/2007		15.67	87.73	-	-	87.73	-	<1.00	<1.00	<1.00	<3.00	23.4	<5.00	<1.00	<1.00	<10.0	<100
	05/12/2008		14.65	88.75	-	-	88.75	-	<1.00	<1.00	<1.00	<3.00	9.94	<5.00	<1.00	<1.00	<10.0	<100
	11/10/2009		15.50	87.90	-	-	87.90	-	<1.00	<1.00	<1.00	<3.00	6.19	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		15.43	87.97	-	-	87.97	GE	-	-	-	-	-	-	-	-	-	-
	02/16/2011		16.63	86.77	-	-	86.77	-	<1.00	<1.00	<1.00	<3.00	7.05	<5.00	<1.00	<1.00	<10.0	<100
	04/23/2012		15.44	87.96	-	-	87.96	-	<1.00	<1.00	<1.00	<3.00	3.45	<5.00	<1.00	<1.00	<10.0	-
	10/04/2012		16.41	86.99	-	-	86.99	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-35	11/10/2008	99.84	10.56	89.28	-	-	89.28	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	1.64	<1.00	<10.0	<100
[8-13]	12/09/2008		10.60	89.24	-	-	89.24	GE	-	-	-	-	-	-	-	-	-	-
	11/10/2009		11.02	88.82	-	-	88.82	-	<1.00	<1.00	<1.00	<3.00	1.30	<5.00	<1.00	<1.00	<10.0	<100
	01/27/2010		10.98	88.86	-	-	88.86	GE	-	-	-	-	-	-	-	-	-	-
	02/16/2010		11.29	88.55	-	-	88.55	-	<1.00	<1.00	<1.00	<3.00	1.30	<5.00	<1.00	<1.00	<10.0	<100
	05/13/2010		9.98	89.86	-	-	89.86	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		10.76	89.08	-	-	89.08	GE	-	-	-	-	-	-	-	-	-	-
	08/16/2010		11.18	88.66	-	-	88.66	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/29/2010		11.71	88.13	-	-	88.13	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	02/16/2011		12.26	87.58	-	-	87.58	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/07/2011		11.45	88.39	-	-	88.39	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-

Table 1
Groundwater Analytical Data
Former Mobil # 03-KB4
3440 Okemos Road
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Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
GDC								NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
GVII								NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
MW-35	04/23/2012		10.85	88.99	-	-	88.99	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
Con't	10/04/2012		12.13	87.71	-	-	87.71	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
MW-36	11/07/2011	NA	DRY	-	-	-	-	GE	-	-	-	-	-	-	-	-	-	-
[1.5-6.5]	04/23/2012		5.49	-	-	-	-	IR	-	-	-	-	-	-	-	-	-	-
	10/04/2012		5.80	-	-	-	-	IR	-	-	-	-	-	-	-	-	-	-
MW-37	11/07/2011	NA	9.91	-	-	-	-	-	<1.00	<1.00	<1.00	3.04	<1.00	<5.00	1.35	<1.00	<10.0	-
[7-12]	04/23/2012		9.53	-	-	-	-	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
RW-2R	01/27/2010	99.81	11.45	88.36	-	-	88.36	GE	-	-	-	-	-	-	-	-	-	-
[9-14]	02/16/2010		11.61	88.20	-	-	88.20	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/20/2010		11.12	88.69	-	-	88.69	GE	-	-	-	-	-	-	-	-	-	-
	11/29/2010		12.25	87.56	-	-	87.56	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
RW-5	07/20/2010	100.68	11.98	88.70	-	-	88.70	GE	-	-	-	-	-	-	-	-	-	-
[9-14]	08/16/2010		12.38	88.30	-	-	88.30	LF	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/27/2011		12.19	88.49	-	-	88.49	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
	04/23/2012		12.06	88.62	-	-	88.62	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
RW-6	01/25/2010	102.39	16.70	85.69	-	-	85.69	GE	-	-	-	-	-	-	-	-	-	-
[3-13]	02/16/2010		13.62	88.77	-	-	88.77	-	11.5	<1.00	1.81	3.04	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	05/13/2010		12.95	89.44	-	-	89.44	-	15.0	1.28	1.47	26.1	<1.00	<5.00	3.96	7.89	<10.0	<100
	07/20/2010		13.57	88.82	-	-	88.82	GE	-	-	-	-	-	-	-	-	-	-
	11/29/2010		13.69	88.70	-	-	88.70	-	2.38	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	07/27/2011		13.48	88.91	-	-	88.91	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
	11/07/2011		13.06	89.33	-	-	89.33	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
	10/04/2012		13.60	88.79	-	-	88.79	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
RW-7	11/10/2009	100.36	11.81	88.55	-	-	88.55	-	41.1	8.68	20.6	200	<1.00	7.03	44.7	18.1	<10.0	<100
[9-14]	01/25/2010		11.92	88.44	-	-	88.44	GE	-	-	-	-	-	-	-	-	-	-
	05/13/2010		10.95	89.41	-	-	89.41	-	26.1	<1.00	32.5	<3.00	<1.00	<5.00	8.68	<1.00	<10.0	<100
	07/20/2010		11.61	88.75	-	-	88.75	GE	-	-	-	-	-	-	-	-	-	-
	02/16/2011		13.11	87.25	-	-	87.25	-	1.09	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	<100
	11/07/2011		12.25	88.11	-	-	88.11	GE	-	-	-	-	-	-	-	-	-	-
	04/23/2012		11.68	88.68	-	-	88.68	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
	10/04/2012		12.91	87.45	-	-	87.45	-	<1.00	<1.00	<1.00	<3.00	<1.00	<5.00	<1.00	<1.00	<10.0	-
SVE-1	07/20/2010	99.42	DRY	-	-	-	-	DRY	-	-	-	-	-	-	-	-	-	-

Table 1
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Former Mobil # 03-KB4
3440 Okemos Road
Okemos, Michigan

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)	Sample Type	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	2-Methylnaphthalene (µg/L)	Ethanol (µg/L)
	GDC							NA	11,000	530,000	170,000	190,000	610,000	31,000	56,000	61,000	25,000	1.E+09
	GVII							NA	5,600	530,000	110,000	190,000	5.E+07	31,000	56,000	61,000	25,000(S)	NLV
W-1	10/14/2009	-	-	-	-	-	-	-	3.63	<1.00	4.32	52.4	<1.00	<5.00	46.9	23.2	<10.0	147

- = Not Sampled or No Free Product present
[##] = Length of the Screened Interval (ft)
<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
A = Abandoned
D = Destroyed
DRY = No water for sampling
GE = Gauging event. Well not sampled.
ID = Insufficient data to develop criterion
IR = Insufficient recharge. Well not sampled.
LF = Well was sampled via low flow methodology
MTBE = Methyl Tertiary Butyl Ether
NA = Not Available or Not Analyzed for that specific compound
ND = Not Detected (# is method detection limit)
Bold = Exceeds regulatory limit GVII.
NLV = Not likely to volatilize under most conditions
S = Criterion defaults to the hazardous substance-specific water solubility limit
MW-30 and RW-7 TOC elevations temporary until Site reconstruction is complete.

Appendix D

PM ENVIRONMENTAL Environmental & Engineering Services

New Dunkin Donut/Sunoco Development - Estimated Costs of Eligible Activities		
Item/Activity	**Total Estimated Cost**	
Baseline Environmental Assessment Activities		
Phase I ESA	$	2,300
Phase I Update	$	1,200
Phase II ESA/BEA/Due Care Plan	$	13,805
Baseline Environmental Assessment Activities Total	**$**	**17,305**
Due Care Activities		
Removal of contaminated soil and disposal associated with development activities	$	15,000
Abandonment, removal, and replacement of monitoring wells	$	10,000
Due Care Activities Total	**$**	**25,000**
Asbestos		
NESHAP Asbestos Inspection	$	1,800
Asbestos Abatement	$	18,000
Asbestos Total	**$**	**19,800**
Demolition		
Building Demolition	$	25,000
Site Demolition	$	10,000
Demolition Total	**$**	**35,000**
Preparation of Brownfield Plan		
Brownfield Plan	$	5,200
Preparation of Brownfield Plan Total	**$**	**5,200**
Project Subtotal	**$**	**102,305**
15% Contingency	$	15,346
Total Cost of Eligible Activities to be Funded through TIF (includes ICBRA admin Fees and LSRRF)	**$**	**117,651**

Tax Increment Financing Estimates
Table 2

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Current Taxable Value (Estimated)		$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	$ 356,500	
Estimated New Taxable Value (estimated increase of 1%/year)			$ 750,000	$ 750,000	$ 757,500	$ 765,075	$ 772,726	$ 780,453	$ 788,258	$ 796,140	$ 804,102	$ 812,143	$ 820,264	$ 828,467	$ 836,751	
Incremental Difference (New Taxable Value *Minus* Current Taxable Value)			$ 393,500	$ 393,500	$ 401,000	$ 408,575	$ 416,226	$ 423,953	$ 431,758	$ 439,640	$ 447,602	$ 455,643	$ 463,764	$ 471,967	$ 480,251	
Local Taxes - Millage																
County Operating	6.3512		$ 2,499	$ 2,499	$ 2,547	$ 2,595	$ 2,644	$ 2,693	$ 2,742	$ 2,792	$ 2,843	$ 2,894	$ 2,945	$ 2,998	$ 3,050	**$ 35,741**
Alaiedon Township	0.8406		$ 331	$ 331	$ 337	$ 343	$ 350	$ 356	$ 363	$ 370	$ 376	$ 383	$ 390	$ 397	$ 404	**$ 4,730**
Public Libraries	1.5600		$ 614	$ 614	$ 626	$ 637	$ 649	$ 661	$ 674	$ 686	$ 698	$ 711	$ 723	$ 736	$ 749	**$ 8,779**
911	0.8431		$ 332	$ 332	$ 338	$ 344	$ 351	$ 357	$ 364	$ 371	$ 377	$ 384	$ 391	$ 398	$ 405	**$ 4,744**
Airport Authority	0.6990		$ 275	$ 275	$ 280	$ 286	$ 291	$ 296	$ 302	$ 307	$ 313	$ 318	$ 324	$ 330	$ 336	**$ 3,934**
Juvenile Justice	0.6000		$ 236	$ 236	$ 241	$ 245	$ 250	$ 254	$ 259	$ 264	$ 269	$ 273	$ 278	$ 283	$ 288	**$ 3,376**
Special Trans	0.4800		$ 189	$ 189	$ 192	$ 196	$ 200	$ 203	$ 207	$ 211	$ 215	$ 219	$ 223	$ 227	$ 231	**$ 2,701**
Public Trans	0.1200		$ 47	$ 47	$ 48	$ 49	$ 50	$ 51	$ 52	$ 53	$ 54	$ 55	$ 56	$ 57	$ 58	**$ 675**
Farmland Pres.	0.1400		$ 55	$ 55	$ 56	$ 57	$ 58	$ 59	$ 60	$ 62	$ 63	$ 64	$ 65	$ 66	$ 67	**$ 788**
Health Services	0.5200		$ 205	$ 205	$ 209	$ 212	$ 216	$ 220	$ 225	$ 229	$ 233	$ 237	$ 241	$ 245	$ 250	**$ 2,926**
Lansing Community College	3.8072		$ 1,498	$ 1,498	$ 1,527	$ 1,556	$ 1,585	$ 1,614	$ 1,644	$ 1,674	$ 1,704	$ 1,735	$ 1,766	$ 1,797	$ 1,828	**$ 21,425**
Ingham Intermediate	5.9881		$ 2,356	$ 2,356	$ 2,401	$ 2,447	$ 2,492	$ 2,539	$ 2,585	$ 2,633	$ 2,680	$ 2,728	$ 2,777	$ 2,826	$ 2,876	**$ 33,697**
Potter Park Zoo	0.4100		$ 161	$ 161	$ 164	$ 168	$ 171	$ 174	$ 177	$ 180	$ 184	$ 187	$ 190	$ 194	$ 197	**$ 2,307**
Total Local Taxes (capturable)	**22.3592**		**$ 8,798**	**$ 8,798**	**$ 8,966**	**$ 9,135**	**$ 9,306**	**$ 9,479**	**$ 9,654**	**$ 9,830**	**$ 10,008**	**$ 10,188**	**$ 10,369**	**$ 10,553**	**$ 10,738**	**$ 125,824**
School Taxes - Millage (not captured)																
School Oper FC	18.0000		$ 7,083	$ 7,083	$ 7,218	$ 7,354	$ 7,492	$ 7,631	$ 7,772	$ 7,914	$ 8,057	$ 8,202	$ 8,348	$ 8,495	$ 8,645	**$ 101,293**
State Edu Fund	6.0000		$ 2,361	$ 2,361	$ 2,406	$ 2,451	$ 2,497	$ 2,544	$ 2,591	$ 2,638	$ 2,686	$ 2,734	$ 2,783	$ 2,832	$ 2,882	**$ 33,764**
Total School Taxes (not captured)	**24.0000**		**$ 9,444**	**$ 9,444**	**$ 9,624**	**$ 9,806**	**$ 9,989**	**$ 10,175**	**$ 10,362**	**$ 10,551**	**$ 10,742**	**$ 10,935**	**$ 11,130**	**$ 11,327**	**$ 11,526**	**$ 135,057**
Debt Millages (not capturable)																
Ok Sch Sink Fund	0.9919		$ 390	$ 390	$ 398	$ 405	$ 413	$ 421	$ 428	$ 436	$ 444	$ 452	$ 460	$ 468	$ 476	**$ 5,582**
Okemos Debt	7.0000		$ 2,755	$ 2,755	$ 2,807	$ 2,860	$ 2,914	$ 2,968	$ 3,022	$ 3,077	$ 3,133	$ 3,189	$ 3,246	$ 3,304	$ 3,362	**$ 39,392**
Indigent Vet Fund	0.0330		$ 13	$ 13	$ 13	$ 13	$ 14	$ 14	$ 14	$ 15	$ 15	$ 15	$ 15	$ 16	$ 16	**$ 186**
Total Debt Millages (not capturable)	**8.0249**		**$ 3,158**	**$ 3,158**	**$ 3,218**	**$ 3,279**	**$ 3,340**	**$ 3,402**	**$ 3,465**	**$ 3,528**	**$ 3,592**	**$ 3,656**	**$ 3,722**	**$ 3,787**	**$ 3,854**	**$ 45,159**
Total Millages	**54.3841**															
Total Captured Millages	**22.3592**															
Annual Captured Local Taxes			**$ 8,798**	**$ 8,798**	**$ 8,966**	**$ 9,135**	**$ 9,306**	**$ 9,479**	**$ 9,654**	**$ 9,830**	**$ 10,008**	**$ 10,188**	**$ 10,369**	**$ 10,553**	**$ 10,738**	**$ 125,824**
Annual Cumulative Captured Incremental Taxes			**$ 8,798**	**$ 17,597**	**$ 26,563**	**$ 35,698**	**$ 45,005**	**$ 54,484**	**$ 64,138**	**$ 73,968**	**$ 83,976**	**$ 94,163**	**$ 104,533**	**$ 115,086**	**$ 125,824**	
Capture for Reimbursement to Developer																
Unreimbursed Eligible Expenses		**$ 117,651**	**$ 108,852**	**$ 100,054**	**$ 91,088**	**$ 81,953**	**$ 72,646**	**$ 63,167**	**$ 53,513**	**$ 43,683**	**$ 33,675**	**$ 23,487**	**$ 13,118**	**$ 2,565**	**$ (8,173)**	

May 27, 2014
Agenda Item No. 10

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE THE ESTABLISHMENT OF A DEPUTY INFORMATION OFFICER AND PROJECT MANAGER IN THE INNOVATION & TECHNOLOGY DEPARTMENT

RESOLUTION # 14 –

WHEREAS, prior to 2011 the Department of Innovation & Technology (IT), formerly called Management Information Services (MIS), had a Deputy Director position and an Application Developer/Business Analyst position; and

WHEREAS, the Department of Innovation & Technology (IT) currently has 18 full time positions and 1 part time position; and

WHEREAS, the County has a need for proper project management of IT projects to keep these projects within budget and on time; and

WHEREAS, currently the Chief Information Officer is the only management position within the IT Department; and

WHEREAS, the job descriptions of the Deputy Director and Application Developer/Business Analyst have been re-written; and

WHEREAS, the Human Resources Department has renamed and classified the positions as an MCF12 Deputy Information Officer ($68,331-$82,015) and an MCF 11 IT Project Manager ($63,641-$76,389); and

WHEREAS, the estimated cost for both positions would be between $117,218 and $121,747 for FY 2014; and

WHEREAS, the funding for these two positions would come from the IT Networking Fund 636-25810.

THEREFORE BE IT RESOLVED, that the Board of Commissioners authorizes the establishment of an MCF 12 Deputy Information Officer position ($68,331-$82,015) and an MCF 11 IT Project Manager position ($63,641-$76,389) in the IT Department with funds allocated from the IT Networking Fund (636-25810) at a FY 2014 cost not to exceed $121,747.

BE IT FURTHER RESOLVED, that the Controller is authorized to make any necessary budget adjustments related to this resolution.

BE IT FURTHER RESOLVED, that the Controller is authorized to make the necessary adjustments to the IT Department Position Allocation List in accordance with this resolution.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 11

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING A PURCHASE ORDER TO SUNRISE SEAMLESS, LLC TO REPLACE THE GUTTERS AND DOWNSPOUTS AT THE INGHAM COUNTY ANNEX BUILDING

RESOLUTION # 14 –

WHEREAS, Sunrise Seamless, LLC will remove and dispose of old gutters and downspouts and provide and install new aluminum gutters and downspouts at the Ingham County Annex building; and

WHEREAS, the existing gutters and downspouts have deteriorated to the point where they no longer function properly and as a result allow water into the building causing severe floor and wall damage; and

WHEREAS, the Facilities Department received three quotes and Sunrise Seamless, LLC, who submitted the lowest quote in the amount of $6,145.00, is recommended by both the Purchasing and Facilities Departments; and

WHEREAS, funds for this project are available in line item 245-90110-931000-4FC09, which has a balance of $150,000.00, for Annex building repairs.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners hereby authorize a purchase order to Sunrise Seamless, LLC, 700 Barry Road in Haslett, Michigan 48840 to remove and dispose of old gutters and downspouts and provide and install new aluminum gutters and downspouts at the Ingham County Annex building for a total cost not to exceed $6,145.00.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary documents that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 12

Introduced by County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING A CONTRACT WITH VJM DESIGN AND BUILD CORPORATION TO PROVIDE ASPHALT ROOF REPLACEMENT ON PAVILION II AT POTTER PARK

RESOLUTION # 14 –

WHEREAS, Pavilion II (also known as Tiger Den) was built in 1921, is the most heavily used shelter in Potter Park, and as a result of its age what the Facilities Department believes to be the original roof is deteriorating and in need of replacement; and

WHEREAS, after careful review of bids the Purchasing and Facilities Departments both agree that a contract be awarded to VJM Design and Build Corporation who submitted the lowest responsive and responsible bid to provide asphalt roof replacement on Pavilion II at Potter Park for a base cost of $95,816.00; and

WHEREAS, there is no way to determine the condition of the deck or the structural condition of the deck and the Facilities Department is anticipating that all 6,400 square feet of it will need to be replaced at a cost of $36,200.00; and

WHEREAS, this project will be completed for a total cost not to exceed $132,016.00; and

WHEREAS, the approved CIP line item #258-69900-977000-1208Z for Zoo Pavilion II roof repairs currently has a balance of $96,425.00; and

WHEREAS, the Facilities Department would like to request a line item transfer of $30,000.00 from line item #258-69900-977000-1104Z which has a balance of $30,000.00 for a Zoo admissions system and $5,591.00 from line item # 258-69900-977000-1108Z which has a balance of $25,000.00 for Zoo security cameras and wireless internet into the approved CIP line item #258-69900-977000-1208Z to bring the new available balance to $132,016.00.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners hereby authorizes entering into a contract with VJM Design and Build Corporation 1321 Bamford Road, Waterford, Michigan 48328 to provide asphalt roof replacement on Pavilion II at Potter Park for a cost not to exceed $132,016.00.

BE IT FURTHER RESOLVED, the Controller is authorized to transfer $30,000.00 from line item 258-69900-977000-1104Z and $5,591.00 from line item 258-69900-977000-1108Z into line item 258-69900-977000-1208Z bringing the total balance to $132,016.00 for the Pavilion II asphalt roof replacement.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary documents that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: **Yeas**: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 13

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE A SECOND PARTY AGREEMENT BETWEEN THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) AND THE INGHAM COUNTY ROAD DEPARTMENT IN RELATION TO A ROAD RECONSTRUCTION PROJECT FOR BENNETT ROAD FROM HAGADORN ROAD TO OKEMOS ROAD

RESOLUTION # 14 –

WHEREAS, The Ingham County Road Department received federal Surface Transportation Program funding to reconstruct Bennett Road from Hagadorn Road to Okemos Road; and

WHEREAS, The Ingham County Road Department also received a Michigan Department of Environmental Quality, Scrap Tire Market Development grant to study crumb rubber modified asphalt pavement and help pay for the project; and

WHEREAS, the PROJECT will be undertaken pursuant to a contract between the State of Michigan/MDOT and the contractor; and

WHEREAS, the County, on behalf of the Road Department, in turn, must therefore enter into an associated second party agreement with the State of Michigan/MDOT, consistent with the requirement for state and federal funding requirements.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes entering into a contract with State of Michigan/MDOT to effect reconstruction of Bennett Road from Hagadorn Road to Okemos Road.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary agreements that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 14

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING AN AGREEMENT WITH MICHIGAN STATE UNIVERSITY FOR MCHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY GRANT FUNDED USE OF CRUMB RUBBER MODIFIED ASPHALT PAVING MIXTURE FOR THE ROAD DEPARTMENT

RESOLUTION # 14 –

WHEREAS, Bennett Road between Hagadorn and Okemos Roads is currently in poor condition and therefore is in the Road Department's Transportation Improvement Plan, TIP, for rehabilitation and resurfacing this year, in 2014; and

WHEREAS, the Michigan Department of Environmental Quality, MDEQ, has made available grant funding in the amount of $155,000 in 2014 for the Bennett Road project for implementation and use of crumb rubber modified asphalt paving mixture (CRMA), which incorporates ground, post-market vehicle tire rubber into the asphalt mixture in order to improve the asphalt pavement's performance and longevity and to help foster a market for used vehicle tires; and

WHEREAS, the remainder of the Bennett Road project's proposed construction, which is to be 80% federal aid funded with 20% local match from 2014 budgeted County Road Funds, constitutes the required local match for the MDEQ CRMA grant, and no other unplanned costs are to be incurred for using the CRMA; and

WHEREAS, Michigan State University (MSU) has entered into an agreement with MDEQ to research and develop the CRMA proposed for use on the Bennett Road project and to be the prime recipient of the MDEQ CRMA grant funds, and in turn MSU wishes to subcontract with the County on behalf of the Road Department to implement field trial of the CRMA and to pass through the related MDEQ CRMA grant funding in the amount of $155,000 intended for the field implementation phase of the research effort; and

WHEREAS, Road Department staff has worked with MSU research staff and has reviewed and understands MSU's research findings that the CRMA is expected to provide enhanced performance and longevity to the proposed asphalt pavement, and recommends therefore that the County enter into the requested subcontract with MSU to allow the placement of the CRMA research test strips on the Bennett Road project and to receive the MDEQ CRMA grant funds intended for this purpose.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners authorizes entering into a subcontract with Michigan State University for the placement of the CRMA research test strips on the Bennett Road project and to receive the MDEQ CRMA grant funds in the amount of $155,000 intended for this purpose.

BE IT FURTHER RESOLVED, that the Board of Commissioners authorizes the Board Chairperson to sign any necessary agreements that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: **Yeas**: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 15

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO APPROVE A SECOND PARTY AGREEMENT BETWEEN THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) AND THE INGHAM COUNTY ROAD DEPARTMENT IN RELATION TO INTERSECTION RECONSTRUCTION PROJECTS LOCATED AT THE COLLEGE ROAD AND KIPP ROAD INTERSECTION, WILLIAMS ROAD AND DECAMP ROAD INTERSECTION, AND THE WILLIAMS ROAD AND FOGG ROAD INTERSECTION

RESOLUTION # 14 –

WHEREAS, The Ingham County Road Department received federal High Risk Rural Road funding to improve the College Road and Kipp Road intersection; and

WHEREAS, The Ingham County Road Department also received federal STP, Hazard Elimination funds to improve the Williams Road and DeCamp Road intersection; and

WHEREAS, due to its proximity to the Williams Road and DeCamp Road project and similar configuration, staff also saw the opportunity to improve the Williams Road and Fogg Road intersection using Road Department funds as part of a unified project; and

WHEREAS, the PROJECT will be undertaken pursuant to a contract between the State of Michigan/MDOT and the contractor. The County on behalf of the Road Department, in turn, must therefore enter into an associated second party agreement with the State of Michigan/MDOT, consistent with the requirement for state and federal funding requirements.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes entering into a contract with State of Michigan/MDOT to effect the College Road and Kipp Road intersection, the Williams Road and DeCamp Road intersection, and the Williams Road and Fogg Road intersection's reconstruction.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary agreements that are consistent with this resolution and approved as to form by the County Attorney.

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 16

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF SAND AND GRAVEL FOR THE INGHAM COUNTY ROAD DEPARTMENT

RESOLUTION # 14 –

WHEREAS, the Road Department annually purchases approximately 10,000 to 15,000 tons of various types of processed road gravel and sand for use in various road maintenance operations; and

WHEREAS, the Road Department adopted 2014 budget includes controllable expenditures and funds for this and other maintenance material purchases; and

WHEREAS, bids for various types of processed road gravel and sand were solicited and evaluated by the Ingham County Purchasing Department per Request for Proposals (RFP) #39-14, and it is their recommendation, with the concurrence of Road Department staff, to award this bid and purchase the various types of sand and gravel, with associated delivery methods, on an as-needed, unit price basis from the two bidders shown in the table below based on Road Department staff's judgment as to which supplier is most advantageous to the County for any given operation based on lowest cost combination of bid unit price, supplier proximity to the work being performed at the given time, availability of required material, and delivery method.

THEREFORE BE IT RESOLVED, the Board of Commissioners accepts the bids and authorizes the purchase of various types of sand and gravel on an as-needed, unit price basis from the two respondents to RFP #39-14 shown in the table below with the various delivery options also shown, based on Road Department staff's judgment as to which supplier and delivery method is most advantageous to the County for any given operation based on lowest cost combination of bid unit price, supplier proximity to the work being performed at the given time, availability of required material, and delivery method.

Prices per Ton

Vendor	21AA	22A	23A	2NS Sand	21AA	22A	23A	21AA	22A	23A	2NS Sand	Local
	Stockpiled Gravel			Stockpiled	Delivered/Spread			Delivered Gravel			Delivered	
Carrick Trucking Inc.	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No - Houghton Lake
Sunrise Aggregates LLC.	**$9.80**	**$4.25**	**$4.35**	**$2.95**	**$13.65**	**$8.10**	**$8.10**	**$12.55**	**$7.30**	**$7.30**	**$5.80**	Yes - Dansville

Price per Cubic Yard

Vendor	22A	23A
	Stockpiled Gravel	
Carrick Trucking Inc.	**$5.65**	**$5.65**

BE IT FURTHER RESOLVED, that the Road Department and Purchasing Department are hereby authorized to execute purchase orders with both above listed suppliers and purchase the various types of sand and gravel material as needed and budgeted.

COUNTY SERVICES: **Yeas**: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 17

Introduced by the County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE PURCHASE OF 2014 SEASONAL REQUIREMENT OF 29A AGGREGATE FOR THE INGHAM COUNTY ROAD DEPARTMENT

RESOLUTION # 14 –

WHEREAS, the Road Department annually purchases approximately 18,000 tons of grade 29A slag and natural aggregates for use in road chip-sealing and various other road maintenance operations; and

WHEREAS, the Road Department adopted 2014 budget includes controllable expenditures and funds for this and other maintenance material purchases; and

WHEREAS, bids for 29A slag and natural aggregate were solicited and evaluated by the Ingham County Purchasing Department per Request for Proposals (RFP) #38-14, and it is their recommendation, with the concurrence of Road Department staff, to award this bid and purchase on an as-needed, unit price basis 29A slag from Edw. C. Levy Co., and 29A crushed natural aggregate from the next two bidders shown in the table below based on Road Department staff's judgment as to which supplier is most advantageous to the County for any given operation based on availability of required material, with preference based on lowest bid unit price.

THEREFORE BE IT RESOLVED, the Board of Commissioners accepts the bids, and authorizes the purchase on an as-needed, unit price basis of 29A slag from Edw. C. Levy Co., and of 29A crushed natural aggregate from the next two bidders shown in the table below based on Road Department staff's judgment as to which supplier is most advantageous to the County for any given operation based on availability of required material, with preference based on lowest bid unit price and quality of material.

***Prices per Ton**

Vendor	29A Slag delivered to Western Garage	29A Slag delivered to Eastern Garage $21.91	29A Slag delivered to Metro Garage	29A Crushed Natural Aggregate delivered to Western Garage	29A Crushed Natural Aggregate delivered to Eastern Garage	29A Crushed Natural Aggregate delivered to Metro Garage	Local
Edw. C. Levy Co.	**$25.79**	**$24.11**	**$24.95**	No Bid	No Bid	No Bid	No - Dearborn
Sunrise Aggregates LLC.	No Bid	No Bid	No Bid	**$17.40**	**$17.60**	**$17.40**	Yes - Dansville
Gerken Materials Inc.	No Bid	No Bid	No Bid	**$17.40**	**$17.60**	**$17.40**	No - Adrian

BE IT FURTHER RESOLVED, that the Road Department and Purchasing Department are hereby authorized to execute purchase orders with all four above listed suppliers and purchase the 29A slag from Edw. C. Levy Co., and 29A crushed natural aggregate from the next two bidders shown in the table above as needed and budgeted.

COUNTY SERVICES: **Yeas**: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 18

Introduced by the Human Services**,** County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION AUTHORIZING THE INGHAM COUNTY BUILDING AUTHORITY TO PROCEED WITH THE HEALTH DEPARTMENT RENOVATIONS TO THE HUMAN SERVICES BUILDING AND TO AUTHORIZE A CONTRACT WITH THE ARCHITECTURAL AND ENGINEERING FIRM OF HOBBS AND BLACK TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES FOR THE RENOVATION PROJECT

RESOLUTION # 14 –

WHEREAS, the Ingham County Health Department (ICHD) Community Health Centers are consolidating so they are prepared to meet the increased demand for services in the coming years and provide economies of scale; and

WHEREAS, the intent of this project is to renovate portions of the Health Department with the least amount of demolition possible and to re-use the existing spaces to the greatest degree possible; and

WHEREAS, the plan includes transitioning adult services to a separate building and realigning its woman's and children's services to the Human Services Building; and

WHEREAS, the Purchasing Department submitted proposals and after careful review of the bids, it is the recommendation of both the Purchasing and Facilities Departments to award a contract to Hobbs and Black, a local company who submitted the lowest responsive and responsible bid to provide architectural and engineering services for the ICHD renovation project, for a not to exceed cost of $32,300.00; and

WHEREAS, the funds for the Hobbs & Black architectural and engineering services for this project are available within the approved CIP Line Item 511-61553-976000-02011; and

WHEREAS, it has been determined there is still bond debt outstanding on the Human Services Building.

THEREFORE BE IT RESOLVED, given the outstanding bond debt the Ingham County Board of Commissioners hereby authorizes the Ingham County Building Authority to proceed with the Health Department renovations to the Human Services Building.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners hereby authorizes awarding a contract to Hobbs and Black, 117 East Allegan Street, Lansing, Michigan 48933 to provide architectural and engineering services for the Ingham County Health Department renovation project for a not to exceed cost of $32,300.00.

BE IT FURTHER RESOLVED, that the projected A/E costs, cost of construction, plus fees, and furnishings, is not to exceed $750,000.

BE IT FURTHER RESOLVED, the cost of construction, fees, and furnishings will be paid by Ingham County through an advance from the general fund and the Health Department will reimburse the County through increased rent payments to the Human Service Building's Operating Fund over a period of 5 years.

BE IT FURTHER RESOLVED, that preliminary schematic designs are to be presented to the Board of Commissioners for its approval prior to authorizing the architect to proceed to bid the documents.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Board Chairperson to sign any necessary documents that are consistent with this resolution and approved as to form by the County Attorney.

HUMAN SERVICES: Yeas: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 19

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION APPROVING CRITERIA FOR EVALUATING 2015 APPLICATIONS FOR COMMUNITY AGENCY FUNDING

RESOLUTION # 14 –

WHEREAS, since 1978, the Ingham County Board of Commissioners has provided financial support to various non-profit community organizations that provide a broad range of services for the purpose of advancing the County's adopted long-range objectives; and

WHEREAS, over the years the community agency process has grown to 30 applicants requesting funding, with total requests of approximately $200,000 annually; and

WHEREAS, the Ingham County Board of Commissioners desires to make the process of awarding community agency funding efficient and effective; and

WHEREAS, the Ingham County Board of Commissioners desires to continue the Community Agency application process, focusing on the long term goal of assisting Ingham County residents in meeting basic needs.

THEREFORE BE IT RESOLVED, the Ingham County Board of Commissioners authorizes the 2015 community agency funding process, with priority given to those proposals that directly contribute to addressing the County's long-term priority of "Meeting Basic Needs", such as food, clothing, and shelter.

BE IT FURTHER RESOLVED, the Controller/Administrator is authorized to evaluate and determine funding levels for each applicant as a recommendation for approval by the Human Services Committee.

BE IT FURTHER RESOLVED, no agency shall receive more than 10% of the total available funding for community agencies in FY 2015.

BE IT FURTHER RESOLVED, the Board of Commissioners wishes for applicants to understand that solicitation of proposals is not a commitment to fund those proposals in fiscal year 2015.

HUMAN SERVICES: Yeas: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 20

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE LEASE AGREEMENT FOR 1115 SOUTH PENNSYLVANIA AVENUE, LANSING FOR A HEALTH CENTER SITE

RESOLUTION # 14 –

WHEREAS, the Health Department currently maintains lease agreements with Sparrow Health Systems for the locations of Sparrow Health Center and St. Lawrence Health Center; and

WHEREAS, these lease agreements shall expire on September 30, 2014 and will not be renewed; and

WHEREAS, Sparrow and St. Lawrence Health Centers are both HRSA 330(e) Federally Qualified Health Centers (FQHC) and maintain Level II Patient Centered Medical Home (PCMH) Recognition through the National Committee for Quality Assurance; and

WHEREAS, the available property located at 1115 South Pennsylvania Avenue, Lansing can accommodate the combined Health Center operations of Sparrow and St. Lawrence and suits the necessary requirements for maintaining FQHC status and recognition as a PCMH; and

WHEREAS, the terms of lease agreement with CAMAO, LLC for the 10,316 square feet of property at 1115 South Pennsylvania Ave, Lansing are:

- A five (5) year lease term commencing October 1, 2014 and ending September 30, 2019
- A lease rate of $19.00/square foot with a 1.5% annual lease rate escalation
- Janitorial and utilities are included
- An option to renew for two (2) years with a 2.5% rental rate annual escalation; and

WHEREAS, the increased cost for the proposed property will be covered through an increase in 330(e) Base Funding through a PCMH Recognition Award through HRSA anticipated in FY 2015 funding; and

WHEREAS, the Ingham Community Health Center Board has reviewed these terms and supports entering a lease agreement with CAMAO, LLC for the property at 1115 South Pennsylvania Avenue for the combined operation of the Sparrow and St. Lawrence Health Centers; and

WHEREAS, the Health Officer recommends that the Health Department enter into a lease agreement at these terms with CAMAO, LLC for the property at 1115 South Pennsylvania Avenue, Lansing for the combined operation of the Sparrow and St. Lawrence Health Centers.

THEREFORE BE IT RESOLVED, that the Board of Commissioners authorizes the Health Department to enter into a lease agreement with CAMAO, LLC for 10,316 square feet of property located at 1115 South Pennsylvania Avenue, Lansing.

BE IT FURTHER RESOLVED, that the terms of this lease agreement shall be as follows:

- A five (5) year lease term commencing October 1, 2014 and ending September 30, 2019
- A lease rate of $19.00/square foot with a 1.5% annual lease rate escalation
- Janitorial and utilities are included
- An option to renew for two (2) years with a 2.5% rental rate annual escalation

BE IT FURTHER RESOLVED, that the increased cost for the proposed new property will be covered through an increase in 330(e) Base Funding through a PCMH Recognition Award through HRSA anticipated in FY 2015 funding.

BE IT FURTHER RESOLVED, that the Chairperson of the Board of Commissioners is hereby authorized to sign the necessary contract documents on behalf of the County after approval as to form by the County Attorney.

HUMAN SERVICES: **Yeas**: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 21

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO ACCEPT HEALTH CENTER CAPITAL DEVELOPMENT FINANCIAL ASSISTANCE FROM THE MICHIGAN PRIMARY CARE ASSOCIATION

RESOLUTION # 14 –

WHEREAS, the Michigan Primary Care Association (MPCA) Michigan Health Center Capital Development Program, through funding provided by The Kresge Foundation, has made available funds to assist in defraying certain pre-development costs associated with capital projects; and

WHEREAS, the Health Department meets the criteria to receive funding assistance for certain pre-development service costs associated with the renovations of the new Ingham Community Health Center site (2316 S. Cedar Street) through MPCA's Michigan Health Center Capital Development Program; and

WHEREAS, in order to receive financial assistance through this program, the Health Department must enter a Project Pre-Development Assistance Agreement with MPCA; and

WHEREAS, this agreement authorizes MPCA to pay the provider of an approved pre-development service after an invoice is received by the Health Department and submitted to MPCA by no later than June 30, 2014; and

WHEREAS, the Ingham Community Health Center Board supports the acceptance of Health Center Capital Development Financial Assistance from the MPCA; and

WHEREAS, the Health Officer recommends that the Board of Commissioners authorize the acceptance of up to $20,000 to be used for professional pre-development services related to the renovation of the new Ingham Community Health Center site located at 2316 South Cedar Street, Lansing.

THEREFORE BE IT RESOLVED, that the Board of Commissioners authorizes the acceptance of up to $20,000 for professional pre-development services and cost financial assistance through the MPCA's Michigan Health Center Capital Development Program.

BE IT FURTHER RESOLVED, that the Health Department is authorized to enter a Project Pre-development Assistance Agreement with MPCA for an amount up to $20,000 for professional pre-development services and cost financial assistance through the MPCA's Michigan Health Center Capital Development Program.

BE IT FURTHER RESOLVED, the MPCA will pay the provider of an approved pre-development service, upon the submission of an invoice from the Health Department no later than June 30, 2014.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to make any necessary budget adjustments consistent with this resolution.

BE IT FURTHER RESOLVED, that the Chairperson of the Board of Commissioners is hereby authorized to sign any necessary contract documents on behalf of the County after approval as to form by the County Attorney.

HUMAN SERVICES: **Yeas**: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 22

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE AMENDMENT #2 TO THE 2013-2014 COMPREHENSIVE AGREEMENT WITH THE MICHIGAN DEPARTMENT OF COMMUNITY HEALTH

RESOLUTION # 14 –

WHEREAS, the responsibility for protecting the health of the public is a shared responsibility between the State and County governments in Michigan; and

WHEREAS, the Michigan Department of Community Health (MDCH) and local health departments enter into contracts to clarify the role and responsibility of each party in protecting public health; and

WHEREAS, the MDCH and Ingham County have entered into a 2013-2014 Agreement for the delivery of public health services under the Comprehensive Agreement process as authorized by Resolution #13-384 and amended in Resolution #14-058; and

WHEREAS, the MDCH has proposed an amendment to the current Agreement to adjust grant funding levels and clarify Agreement procedures; and

WHEREAS, the Health Officer has recommended that the Board of Commissioners authorize the Amendment.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes Amendment #2 to the 2013-2014 Comprehensive Agreement with the Michigan Department of Community Health (MDCH).

BE IT FURTHER RESOLVED, that the total amount of CPBC funding shall increase from $5,161,497 to $5,202,259, an increase of $40,762.

BE IT FURTHER RESOLVED, that the increase consists of the following specific changes to program budgets:

1. Nurse Family Partnership Services, an increase of $300 to $485,300.
2. PRIME Local Learning Collaborative, an increase of $10,000 to $14,000.
3. Sexually Transmitted Disease (STD) Control, an increase of $25,672 to $34,230.
4. TB Control, an increase of $4,790 to $26,268.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to amend the Health Department’s 2014 Budget in order to implement this resolution.

BE IT FURTHER RESOLVED, that the Health Officer, Linda S. Vail, MPA, is authorized to submit Amendment #2 of the 2013-2014 Comprehensive Agreement electronically through the Mi-E Grants system after approval as to form by the County Attorney.

HUMAN SERVICES: **Yeas**: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 23

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AMEND THE COLLABORATIVE AGREEMENT WITH THE CAPITAL AREA UNITED WAY

RESOLUTION # 14 –

WHEREAS, the Behavioral Risk Factor & Social Capital Survey (BRF&SC Survey) measures a number of health indicators and quality of life indices including: chronic diseases, cigarette and alcohol use, obesity and physical activity, neighborhood safety, and safe walking routes; and

WHEREAS, information from the BRF&SC Survey is used to gauge the number of uninsured, access to primary care dental care which are central to the Commissioner's goal of promoting access to care; and

WHEREAS, data from the BRF&SC Survey are central to the Community Indicators Project, a core component of the Department's strategy for informing the community about health status; and

WHEREAS, Ingham County and the Capital Area United Way executed a collaborative agreement in 2005, wherein the United Way arranges for consulting and contractual services in support of the Community Indicators Project; and

WHEREAS, the collaborative agreement was originally authorized in Resolution #05-148 and amended in Resolutions #06-205, #07-154, #08-239, #09-197, #10-023, #11-399 and #13-16 and collaborative activities have continued since the agreement's inception; and

WHEREAS, under this agreement the Capital Area United Way has coordinated funding from Barry-Eaton District Health Department, Mid-Michigan District Health Department, and Ingham County Health Department to administer the BRF&SC Survey; and

WHEREAS, this resolution will authorize and amendment to the agreement with CAUW and enable data collection to continue; and

WHEREAS, the amendment shall extend the agreement through September 30, 2014; and

WHEREAS, the amendment will increase the amount of the contract by $38,051; and

WHEREAS, the Health Officer has advised that the Ingham County funds to support this collaboration are included in the Health Department's 2014 budget and has recommended that Ingham County enter into a collaborative agreement with the Capital Area United Way.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes an Amendment to the Agreement with the Capital Area United Way to coordinate the Behavioral Risk Factor & Social Capital Survey (BRF&SC Survey).

BE IT FURTHER RESOLVED, the amendment shall extend the agreement through September 30, 2014 and increase the amount of the contract by $38,051.

BE IT FURTHER RESOLVED, that the Board Chair is authorized to sign the amendment after approval by the County attorney.

HUMAN SERVICES: Yeas: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 24

Introduced by the Human Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO UPDATE AUTHORIZED SIGNERS OF FORMS 855A AND 855B

RESOLUTION # 14 –

WHEREAS, the Public Health Services Act enables Ingham County Health Department (ICHD) Community Health Centers, as Federally Qualified Health Centers (FQHC) under section 330e and Federally Qualified Health Center Look Alikes, to obtain enhanced reimbursement through Medicaid and Medicare; and

WHEREAS, Forms 855A and 855B must be completed and filed each time the ICHD establishes, changes, or terminates a health center location or it will lose its ability to obtain enhanced reimbursements through Medicaid and Medicare; and

WHEREAS, it is required that an exact percentage of management control each position has in Health Center providers is indicated on the 855A forms; and

WHEREAS, in Resolution #11-309 the Health Officer recommended the following positions be authorized to sign forms 855A and 855B:

- Health Officer
- Community Health Center Network Deputy Health Officer/Chief Executive Officer
- Health Department Chief Financial Officer
- Community Health Center Chief Operating Officer

WHEREAS, in Resolution #13-486, the Community Health Center Deputy Health Officer/Chief Executive Officer position/title was changed to Deputy Health Officer/Executive Director Community Health Services and the vacant Community Health Center Chief Operating Officer position was eliminated; and

WHEREAS, the Health Officer recommends that the following positions be authorized to sign Forms 855A and 855B with the following percent of management control:

- Deputy Health Officer/Executive Director Community Health Services (40%)
- Health Officer (35%)
- Health Department Chief Financial Officer (25%)

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners authorizes the following positions to sign Forms 855A and 855B with the following percent of management control:

- Deputy Health Officer/Executive Director Community Health Services (40%)

- Health Officer (35%)
- Health Department Chief Financial Officer (25%)

HUMAN SERVICES: **Yeas**: Nolan, Tennis, Holman, McGrain, Hope, Anthony, Vickers
Nays: None **Absent:** None **Approved 5/19/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 25

Introduced by the Law & Courts, County Services and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO AUTHORIZE CONTINUATION OF THE FULL-TIME VOLUNTEER ASSISTANT POSITION FOR THE PURPOSE OF ENSURING THE SUSTAINABILITY OF DEPARTMENT PROGRAMS AND PRIVATE FUNDING SOURCES AT THE ANIMAL CONTROL DEPARTMENT

RESOLUTION # 14 –

WHEREAS, the Ingham County Animal Control Department (ICAC) is dedicated to providing programs and services to all residents of Ingham County and it does require the assistance of volunteers to run multiple programs, raise the funds, and assist staff to meet those needs; and

WHEREAS, each year more than 4,000 hours of volunteer service is provided to ICAC by over 200 trained volunteers; and

WHEREAS, as a result of volunteer efforts over $200,000 of private funds is raised annually to provide the animals of Ingham County urgent veterinary care, supplies, facility improvements, program operations, and the funding for a full-time animal cruelty investigator; and

WHEREAS, as a result of the increasing demands to sustain these efforts due to managing dozens of volunteers on-site and off-site on a daily basis, along with managing multiple programs staffed by volunteers, ICAC is seeking to hire a full-time volunteer assistant to assist with the volunteer program and activities associated with it; and

WHEREAS, Ingham County Animal Control has for the last four years funded a full-time animal cruelty investigator position thru private funds and those funding efforts are due to volunteer efforts that are vital and necessary to continue to attract and sustain private funding and volunteers; and

WHEREAS, the non-profit 501c3 organization named Ingham County Animal Shelter Fund (ICASF) has made a commitment to fund the full-time volunteer assistant for the remainder of 2014 and all of 2015; and

WHEREAS, as a result the department would increase its revenues through programs and private funding sources, continue to sustain and grow the volunteer base, increase the ability to train and deploy volunteers, and to serve a greater number of citizens; and

WHEREAS, the result would be improved services to residents, care of the animals, reduced costs related to the care of ill and injured animals, as well as a reduction in the number of homeless animals in our community for years to come due to the successes of the programs volunteers conduct; and

WHEREAS, the 2015 total personnel costs for the volunteer assistant position is projected at $57,167, is to be funded totally by the Ingham County Animal Shelter Fund, and will be included in Ingham County Animal Control Department's 2015 budget.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners approves the creation of a full-time Volunteer Assistant position FTE – UAW D salary range ($30, 681-$36,525) to be fully funded by the non-profit 501c3 organization known as Ingham County Animal Shelter Fund, effective June 1, 2014 through December 31, 2014.

BE IT FURTHER RESOLVED, the Ingham County Board of Commissioners authorizes the Controller/Administrator to make the necessary adjustments to the Ingham County Animal Control Department's Budget and Position Allocation list.

LAW & COURTS: Yeas: Hope, Crenshaw, Celentino, Tsernoglou, Schafer, Maiville
Nays: None **Absent:** Bahar-Cook **Approved 5/15/14**

COUNTY SERVICES: Yeas: Holman, Tsernoglou, Crenshaw, Nolan, Koenig, Celentino, Maiville
Nays: None **Absent:** None **Approved 5/20/14**

FINANCE: Yeas: Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**

May 27, 2014
Agenda Item No. 26

Introduced by the Law & Courts and Finance Committees of the:

INGHAM COUNTY BOARD OF COMMISSIONERS

RESOLUTION TO ACCEPT THE FY 2014 MICHIGAN MENTAL HEALTH COURT GRANT PROGRAM PLANNING GRANT, CREATE A GRANT FUNDED THREE-QUARTER TIME ICEA COURT PROFESSIONAL 5 MENTAL HEALTH COURT – COURT SERVICES COORDINATOR POSITION AND ENTER INTO SUBCONTRACTS

RESOLUTION # 14 –

WHEREAS, the 30th Circuit Court has been approved to receive grant funds in the amount of $37,709 from the Michigan Mental Health Court Grant Program – Planning Grant administered by the State Court Administrative Office for a fiscal year ending September 30, 2014; and

WHEREAS, the goals and objectives of the planning process are to identify the target population, determine eligibility criteria and screening tools, and develop an identification procedure; assess community resources in the forms of assessments, types of treatment available, programming and staffing; commit roles and responsibilities of the stakeholders to paper; design a Felony Mental Health Court Program; and be poised to begin taking participants by or before October 1, 2014; and

WHEREAS, the 30th Circuit Court will apply for the Michigan Mental Health Court Grant Program – Implementation Grant for FY 2014 – 2015 as soon as it is opened for application; and

WHEREAS, $18,200.92 of the grant award is for the grant funded salary of a three-quarter time Mental Health Court – Court Services Coordinator position, ICEA PRO05; and

WHEREAS, creating a grant funded MHC Court Services Coordinator position will assist the Circuit Court in achieving the goals and objectives stated above by acting as a liaison between the Ingham County circuit Court, CMH, the Ingham County Sheriff's Office, Ingham County Adult Probation, the District Courts with jurisdiction within Ingham County, and various community service agencies; and

WHEREAS, the MHC Court Services Coordinator would also further assist in achieving the goals and objectives of the grant by performing the essential functions listed in the job description for the MHC Court Services Coordinator developed by the Ingham County Human Resources Department; and

WHEREAS, the MHC Court Services Coordinator would provide continuity of service in the likely event that the 30th Circuit Court is awarded funding for implementation of the Michigan Mental Health Court; and

WHEREAS, the employee group for the ICEA Court Professionals having an opportunity to review the request for the creation of the MHC Court Services Coordinator and raising no objections; and

WHEREAS, the 2014 Michigan Mental Health Court Grant Program – Planning Grant award provides for an operational period of August 1, 2014 through September 30, 2014 and implementation services and participant treatment and services as follows: drug testing services to be provided by A.D.A.M. ($2,130); assessment,

diagnosis, case management, mental health treatment, psychiatric services, medication administration and monitoring to be provided by CMHA/CEI ($10,426) and representation by a defense attorney for violation hearings ($264); and

WHEREAS, the subcontractors who will provide implementation services and participant treatment and services for the 2014 Michigan Mental Health Court Grant Program – Planning Grant are willing and able to provide the services that the County requires.

THEREFORE BE IT RESOLVED, that that Ingham County Board of Commissioners accepts the $37,709 awarded by the SCAO for the Michigan Mental Health Grant Program – Planning Grant; authorizes the creation of a grant-funded three-quarter time MHC Court Services Coordinator position at the ICEA PRO05 salary grade; and authorizes entering into subcontracts for the 2014 Michigan Mental Health Court Grant Program – Planning Grant operational period of August 1, 2014 through September 30, 2014 with A.D.A.M. not to exceed $2,130, with CMHA/CEI not to exceed $10,426, and General Trial Division C-Level court appointed counsel not to exceed $264.

BE IT FURTHER RESOLVED, that the period this grant covers is April 1, 2014 through September 30, 2014.

BE IT FURTHER RESOLVED, that the Controller/Administrator is authorized to make any necessary adjustments to the 2014 budget and position allocation list consistent with this resolution.

BE IT FURTHER RESOLVED, that the Board Chairperson is authorized to sign any necessary contracts/subcontracts consistent with this resolution subject to approval as to form by the County Attorney.

LAW & COURTS: **Yeas**: Hope, Crenshaw, Celentino, Tsernoglou, Schafer, Maiville
Nays: None **Absent:** Bahar-Cook **Approved 5/15/14**

FINANCE: **Yeas:** Koenig, Anthony, McGrain, Bahar-Cook, Schafer, Vickers
Nays: None **Absent:** Tennis **Approved 5/21/14**