# City of Birmingham

## **MEMORANDUM**

**Planning Division** 

DATE: July 1, 2020

TO: Joseph A. Valentine, City Manager

FROM: Jana Ecker, Planning Director

SUBJECT: Draft RFP for Architectural and Design Services for Public

**Property** 

#### INTRODUCTION:

The Downtown Birmingham 2016 Plan adopted by the City Commission included a comprehensive list of recommendations for improvements to Downtown Birmingham, including eight specific redevelopment sites. Each site was studied, and conceptual recommendations were outlined in the 2016 Plan. The public property north of Willits and west of N. Old Woodward currently used for public property was identified as a redevelopment site, and labelled Specific Project 6: The Willits Block.

#### **BACKGROUND:**

The City Commission previously studied the public property known as Specific Project 6, and supported a conceptual plan for this property, commonly referred to as The North Old Woodward Project. The following is an outline of the prior history and study of the area over the past several years by the City.

In the summer of 2013 parking demand in the downtown began to exceed available capacity within the parking system. As a result, both long term and short term initiatives were enacted to address the new demand. Since 2013, the Advisory Parking Committee (APC) has been evaluating and enacting more immediate actions within the system to address the increased demand. In addition to the short term strategies that were implemented, there was also a long term initiative that was developed at that time.

In March of 2014, the City Commission authorized the creation of an Ad Hoc Parking Study Committee (AHPSC) to study the following:

- 1. The current demand for parking in both the Central Business District (CBD)\* and the Triangle District;
- 2. The expected future demands for parking in both areas given current zoning regulations;
- 3. Development of a recommendation for future projects to address shortfalls, if appropriate.

\* For purposes of their study, the boundary used for the Central Business District replicated the boundary of the Downtown Parking Assessment District.

This committee was comprised of the following members:

- 1. Richard Astrein, Birmingham Shopping District
- 2. JC Cataldo, Corridor Improvement Authority
- 3. Gilian Lazar, Planning Board
- 4. Susan Peabody, Advisory Parking Committee
- 5. Johanna Slanga, Multi-Modal Transportation Board

In March of 2015, the AHPSC presented their findings to the City Commission in the form of a final report. The report identified the expected future demands for parking in the CBD to have a long term deficit of approximately 705 parking spaces. This number represented 278 spaces for the north portion of the CBD and 427 spaces for the south portion of the CBD.

The Ad Hoc Parking Study Committee provided the following recommendation:

To accept the report of the Ad Hoc Parking Study Committee estimating that a long term deficit of 278 parking spaces is expected in the long term for the north portion of the Central Business District. Further, to direct staff to conduct further planning studies for the North Old Woodward Avenue parking structure and lot that will maximize the creation of parking spaces while adhering to the original concepts presented in the Downtown Birmingham 2016 Plan.

And, as a secondary priority, to accept the report of the Ad Hoc Parking Study Committee estimating that a long term deficit of 427 parking spaces is expected in the long term for the south portion of the Central Business District. Further, to endorse the expansion of the Pierce Street parking structure by two levels, thereby creating an additional 280 public parking spaces in the parking system.

On March 16, 2015, the City Commission accepted the findings of the AHPSC, and further authorized the creation of an Ad Hoc Parking Development Committee (AHPDC) for the purpose of determining the next steps for addressing the parking shortfalls identified by the AHPSC. The purpose and goals of the AHPDC were to:

- Review previous Studies and Plans;
- · Concentrate on Parking in Downtown;
- · Review Costs and Finance Alternatives;
- Consider hiring an outside Consultant;
- Goal Provide a Recommendation;

The AHPDC began meeting in June 2015.

#### **DEVELOPMENT OF CONCEPT PLANS**

In September of 2015, at the recommendation of the AHPDC, the City issued a Request for Proposals (RFP) for a consultant team comprised of an architectural firm and a parking consultant to provide conceptual drawings and cost estimates related to the expansion of two municipal parking facilities owned by the City. In working with the consultant team to evaluate alternatives and costs, the AHPDC concluded the primary focus for their efforts was to replace the North Old Woodward parking structure and maximize the total number of new spaces available at this site given the adjoining parking lot next to the existing structure. This study was completed in 2016.

The consulting team of Saroki Architecture and Carl Walker were selected to develop a concept plan and vision for the redevelopment of the N. Old Woodward parking structure and the surrounding area. The team presented numerous options to the AHPDC, and the committee eventually selected Option 1A as the preferred concept plan to be included in a future RFP to solicit development teams.

#### **DEVELOPMENT OF THE REQUEST FOR QUALIFICATIONS**

In 2016, the AHPDC completed a draft Request for Qualifications ("RFQ") seeking a developer or a development team to undertake the collective redevelopment the Bates Street property to include removal of the N. Old Woodward parking deck, construction of an expanded public parking facility, the extension of Bates Street and the private development of commercial and residential space. The City's objective was to solicit creative and innovative development plans, consistent with Option 1A, from qualified developers that would partner with the City to extend Bates Street from Willits to North Old Woodward and redevelop the remainder of the site by constructing a parking facility that provides a minimum of 1150 parking spaces to replace the 770 parking spaces currently on the N. Old Woodward / Bates Street site, introducing residential, commercial and/or mixed uses to create an activated, pedestrian-oriented urban streetscape and provide public access to the Rouge River and Booth Park to the north.

After reviewing the draft RFQ in 2016, the AHPDC requested that the Planning Division seek an independent review of the RFQ by a qualified consultant prior to its release to the general public. To this end, the City engaged Tim Kay of Jones Lang LaSalle (JLL), which is a national commercial real estate strategy, services and support firm. JLL provides a wide range of services related to commercial real estate throughout the United States, including project and development services. Tim Kay is the Managing Director of the Project and Development Services Division for the Detroit branch of JLL. Mr. Kay of JLL has completed his review of the RFQ, and provided a letter outlining his comments.

On January 6, 2017, the AHPDC reviewed the draft RFQ and the comments provided by JLL. The Committee requested that a note be added to the RFQ that there is construction currently underway adjacent to the project area for Brookside Terrace, and then voted unanimously to forward the RFQ to the City Commission for their review.

On March 13, 2017, the City Commission directed staff to issue the RFQ consistent with the terms and parameters defined in Option 1A. The RFQ was issued on March 16, 2017 seeking qualified developers interested in the N. Old Woodward Parking / Bates Street Extension project.

The City received submittals from the following four development teams:

- Morningside Group;
- · Redico;
- TIR Equities; and
- Walbridge / Woodward Bates.

#### **STAFF EVALUATION: RFQ**

All four responses were reviewed by City staff and all four met the qualifications contained in the RFQ. Accordingly, the City Attorney reviewed the financial documentation and determined that all four development teams were financially qualified to proceed to the next step and were thus invited to respond to the Request for Proposals. The AHPDC concurred that all four development teams were qualified to proceed to the RFP stage.

#### **DEVELOPMENT OF THE REQUEST FOR PROPOSALS**

During the summer of 2017, the AHPDC worked with staff to finalize a draft RFP for review and approval by the City Commission. On September 11, 2017, the City Commission approved the issuance of the RFP recommended by the AHPDC consistent with the terms and parameters defined in Option 1A.

The City received three proposals in response to the RFP from the following development teams:

- Redico;
- TIR Equities; and
- Walbridge / Woodward Bates Partners.

Although qualified to submit a proposal, the Morningside Group notified the City that they did not intend to submit a response to the RFP. Three responses were submitted in response to the RFP in January 2018.

#### **STAFF EVALUATION: RFP**

Each of the three development proposals received in response to the RFP were reviewed by City staff to determine if all of the requirements of the RFP were met. A summary review chart of all responses was prepared to compare each of the three proposals side by side. The AHPDC reviewed the chart and discussed each proposal at length. In order to perform a true comparison between each of the responses, the AHPDC requested staff to send letters to each of

the three teams requesting additional information regarding the financials that supported each proposal.

Each of the three development teams responded to the City's request for additional information, although Redico responded by stating their desire to withdraw from consideration. Detailed responses were received from TIR Equities and Walbridge / Woodwa r d B a t e s .

On March 7, 2018, the AHPDC interviewed the two remaining development teams of TIR Equities and the Walbridge / Woodward Bates team. At the conclusion of the interviews, committee members scored the proposals. Score were as follows:

- TIR Equities 690 total points
- Walbridge / Woodward Bates 992 total points.

After the interviews were conducted, the AHPDC discussed at length the two different development concepts that were proposed, and conducted a detailed analysis of the two proposals. Staff evaluation involved the following five key categories:

- Compliance with the RFP, as issued;
- Assumptions regarding local property tax generation;
- Parking structure cost differentials;
- Financial obligations for the City; and
- Project build-out requirements.

#### Compliance with RFP

The RFP called for new construction that is compatible with the existing building fabric on page seven (7). The first paragraph of page eight (8) further emphasizes that the objectives of the RFP "should be a fundamental part of any development proposal" and references the Downtown Birmingham 2016 Report as the source for these objectives. Additionally, Attachment E of the RFP provides a Conceptual Illustration of the Development Area. The rendering outlines an above ground parking deck and mixed used buildings that do not exceed a height beyond five (5) stories. There was extensive discussion amongst the committee regarding the proposal that involves a potential fifteen (15) story building as proposed by TIR Equities. The RFP illustrated a conceptual plan to be used as the basis for future development.

The RFP, under the financial heading on page nine (9) states that no City subsidies will be made available for a potential development. The TIR Equities team indicated during their interview process that the proposal they submitted would be at no cost the City. Staff inquired further and learned that as part of the proposal, TIR Equities anticipated the use of a Tax Increment Finance district and revenues from the parking structure that the City could use to pay for the development. A TIF district is the equivalent of a subsidy. Additionally, the parking revenue

assumed \$3.5 million in annual revenue to support this pay back. The current structure, with half of the proposed spaces is expected to generate \$1.2 million in revenue annually. At best, staff projects a doubling of revenue, approximately \$2.6 million, with the new development (taking the two hour free parking into consideration).

The spirit and intent of the RFP is to ensure an open and competitive environment that results in proposals that can be compared feature for feature. The two proposals under consideration cannot be compared feature to feature.

#### Assumptions Regarding Local Property Tax Generation

Staff met with the two development teams per the committee's request to further the understanding of the financials associated with each proposal. The area of taxable value calculations became the focus of this discussion. The Woodward Bates team suggested a possible \$203,000 in increased property tax generation, while the TIR Equities team indicated a possible increase of \$2,690,000. The Woodward Bates team indicated and provided email evidence of an email exchange with the Oakland County Assessor's office using comparable developments to arrive at their final number. The TIR Equities team indicated that they developed their calculations based on other comparable developments in areas outside of the Oakland County boundary and relied on a more straight line calculation.

A comparison of financial details reviewed for each of the proposals is attached as **Exhibit I**. The Old Woodward Total Cost Developer Comparison worksheet presents the total cost of the project and how long it will take to repay the City's public contribution based on the increase in property taxes and lease payments on the new development proposed by each respondent. The figures included in the worksheet were taken directly from each proposal.

#### Parking Structure Cost Differential

In 2016, a preliminary estimate determined that the cost of a new parking structure would be approximately \$28,299 per parking space. The Woodward Bates proposal presents a per space cost of approximately \$37,000, while the TIR Equities team proposed a cost per parking space of \$57,000. The primary difference in these costs is associated with the number of underground parking levels. The Woodward Bates team added an additional underground level for parking to limit the overall height of the garage. The TIR Equities team proposed the entire structure as an underground development. Both of the development teams' proposals required the City to pay for the entire cost of the parking structure.

#### Financial Obligations for the City

The total cost of the public elements for the Woodward Bates proposal was \$54 million. The total cost of the public elements for the TIR Equities proposal was \$70 million. Both of the teams expressed willingness and an interest to reduce the costs associated with the public elements, where possible. However, the ideas involved possible savings for the public elements independent of the parking structure.

#### Project Build-Out Requirements

Staff discussed the build out requirements with each of the development teams in greater detail since the date of the AHPDC interviews. The Woodward Bates proposal is constructed in a way that allows for independent construction of each building and the parking structure. The TIR Equities proposal has an interdependency that exists between the construction of the parking structure and the private elements. The project relies on leveraging a public investment to support a private development.

Staff also conducted a high level environmental scan to share potential risks with the committee associated with delayed decision making regarding a large scale development in a period of uncertainty with respect to trade policy, other existing and planned large scale developments in southeast Michigan, the level of economic activity in surrounding municipalities attracting development dollars, and our need to address the issue of rising demand on the parking system in the Central Business District.

On May 2, 2018, the AHPDC met and reviewed all of the analysis outlined above for the remaining two proposals. The committee considered three options for moving forward. The first option they considered recognized that of the two proposals under consideration only one of them is directly responsive to the RFP, and thus this option suggested moving forward only with the development team with the proposal that was responsive to the RFP. The second option that the committee considered was to reject both of the proposals and recommend that the Commission direct staff to reissue an RFP with expanded parameters. The third and final option considered was to proceed with the build out of the parking structure independent of any surrounding development and allow for additional development around the structure at a later time.

After much discussion, the AHPDC voted to recommend to the City Commission that the City continue discussion with the Walbridge / Woodward Bates team to advance their proposal for increased parking and the development of the extension of Bates Street to ensure that progress continues to be made to address a critical need for the City with respect to parking infrastructure and increased capacity.

Relevant meeting minutes of the City Commission related to the above are also attached after all other documents in this report, in chronological order.

Ultimately, the proposed plans for a public-private partnership that included the redevelopment of this site were placed on the ballot in August 2019 for a vote of the people. The initiative was turned down by the voters.

On June 22, 2020, the City Commission discussed the future study of the public property at Willits and N. Old Woodward and directed staff to prepare a draft RFP for review and consideration by the City Commission to establish a process to review and revisit a strategic vision for this area.

#### LEGAL REVIEW:

The City Attorney has reviewed the draft RFP.

#### FISCAL IMPACT:

No funds are currently budgeted in FY 20-21 for architectural and design services for the creation of a strategic vision plan for the public property at Willits and N. Old Woodward. Based on previous expenditures for a conceptual plan for this area as well as the Pierce Street parking deck property, an estimated cost of \$40,000 is anticipated for this project that includes the Willits and N. Old Woodard property only. However, the cost will vary depending on the scope of work proposed by the City Commission.

#### **PUBLIC COMMUNICATIONS:**

The July 13, 2020 meeting of the City Commission will be the first extensive public discussion to consider hiring consultants to provide architectural and design services to prepare a strategic vision plan for the public property north of Willits and west of N. Old Woodward since the vote in 2019.

#### SUMMARY:

The City Commission may wish to review the attached draft RFP for Architectural & Design Services for Public Property North of Willits and West of N. Old Woodward for the creation of a strategic design plan and provide direction to staff.

#### **ATTACHMENTS:**

- Draft RFP for Architectural & Design Services for Public Property North of Willits and West of N. Old Woodward; and
- Other related documents (noted as Exhibits A through K above).

#### SUGGESTED RESOLUTION:

To direct staff to make revisions to the draft RFP for Architectural & Design Services for Public Property North of Willits and West of N. Old Woodward as discussed at the July 13, 2020 meeting and bring it back to the City Commission for further review and comment;

OR

To approve the draft RFP for Architectural & Design Services for Public Property North of Willits and West of N. Old Woodward and direct staff to prepare an outline for an ad hoc committee to review and provide comments on the draft RFP.



#### Architectural & Design Services for Public Property North of Willits and West of N. Old Woodward

Sealed	proposals	endorsed	"ARCI	HITEC'	<u>TURAL</u>	. &	DESI	GN	SERV:	<b>ICES</b>	<b>FOR</b>	PUBL	_IC
<b>PROPE</b>	RTY", will	be receive	ed at the	Office	of the	City	Clerk,	151	Martin	Street	, PO E	30x 30	01,
Birming	ham, Michi	igan, 4801	2; until _				_ at 3	:00p	<b>om</b> afte	r whic	h time	e bids	will
be publ	icly opened	and read.						_					

The City of Birmingham, Michigan is accepting sealed bid proposals from qualified professional firms to conduct public engagement activities to formulate a vision for the site, and achieve consensus on the desired elements of a development plan, to prioritize infrastructure investment for the site and prepare a strategic vision document for the property. This work must be performed as specified in accordance with the specifications contained in the Request For Proposals (RFP).

The RFP, including the Specifications, may be obtained online from the Michigan Intergovernmental Trade Network at <a href="http://www.mitn.info">http://www.mitn.info</a> or at the City of Birmingham, 151 Martin St., Birmingham, Michigan, ATTENTION: Jana L. Ecker, Planning Director.

The acceptance of any proposal made pursuant to this invitation shall not be binding upon the City until an agreement has been executed.

Submitted to MITN:	
Deadline for Submissions:	
Contact Person:	Jana L. Ecker, Planning Director
	P.O. Box 3001, 151 Martin Street

Birmingham, MI 48012-3001 Phone: 248-530-1841

Email: jecker@bhamgov.org

#### **INTRODUCTION:**

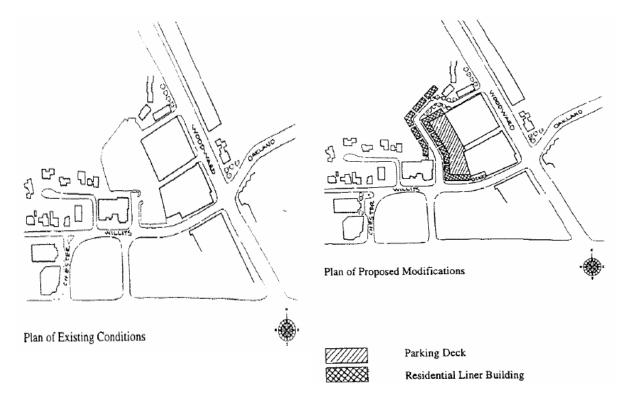
For purposes of this request for proposals the City of Birmingham will hereby be referred to as "City" and the private consulting firm or firms will hereby be referred to as "Contractor."

The City of Birmingham, Michigan is seeking proposals from qualified professional consultants (Contractors) to review the recommendations in prior planning documents, the findings and analysis contained in parking and development studies for the N. Old Woodward parking structure site, as well as the surrounding public property, and to solicit extensive input from the public to create a strategic vision plan for the area.

Currently, a five level 560 space parking structure constructed in 1966 occupies the easterly section of a large parcel that has frontage on N. Old Woodward Ave. The remainder of the parcel contains an open municipal parking lot as well as a sloped natural area fronting the adjacent Rouge River. A recent survey of parcel dimensions for the public property to be studied is included in **Attachment A.** It should be noted that there is an existing Vehicle Access Easement that runs through the public property as described in **Attachment B.** The current zoning classifications for the property to be studied are shown in **Attachments C and D**.

The City's master planning document for the downtown, known as the *Downtown Birmingham 2016 Report* (DB2016 Report), identifies the N. Old Woodward / Bates Street site as a proposed location for redevelopment and provides conceptual illustrations of proposed modifications. The concept from the DB2016 Report referencing this area is provided for reference below in Figure 1.

Figure 1.



In addition, the City also adopted a master planning document for alleys and passages entitled *Activating Urban Space: A Strategy for Alleys & Passages* (Alleys & Passages Plan) in 2012. Contractors will be expected to present creative concepts for the site that incorporate the

objectives and guidelines outlined in the DB2016 Report and the Alleys & Passages Plan.

Finally, the City also adopted a Parks and Recreation Master Plan that envisions a connection to Booth Park through the public property at Willits and N. Old Woodward. An excerpt illustrating this connection is shown in **Attachment E**.

The selected professional firm(s) would review all of the previous documents, plans and studies relevant to the property (Attachments F - I) and conduct public engagement activities to formulate a vision for the site, and achieve consensus on the desired elements of a development plan. Elements such as the desired mix of land uses (retail, residential, office, open space etc.), the desire to expand the current parking capacity of the site, the creation of additional public space, the enhancement of mult-modal connections to and from the site and/or the prioritization of other infrastructure investment options for the site should be considered. Based on the findings of the review and public input processes, the Contractor will prepare a strategic vision document for the property. A detailed scope of work is outlined below. The City is seeking proposals from professional firm(s) that include planning professionals, urban design professionals, and architects working together as a team.

#### **PUBLIC PARTICIPATION**

Extensive public participation is vital to developing a strategic vision document for the use and design of public property. During the review and development of a strategic vision for the property, the Contractor will solicit and garner the input of the public on the future vision for the public property shown in Attachment A and build consensus to provide the basis for a conceptual design plan. Extensive public input will be encouraged throughout the process, including specific discussions on desired uses, multi-modal connections and urban design. The selected Contractor will be required to submit a detailed community engagement plan as a part of this RFP that allows for public input throughout the entire process, utilizing contemporary technologies.

#### **SCOPE OF WORK:**

The scope of work for this project includes the following:

- 1. A review of existing site and structure conditions;
- 2. A review of prior planning documents, including but not limited to:
  - The Birmingham Plan (1980),
  - The Downtown Birmingham 2016 Plan,
  - The Alleys and Passages Plan,
  - The Multi-Modal Transportation Plan,
  - The 2018 Downtown Retail Study,
  - The Parks and Recreation Master Plan, and
  - The current DRAFT Version of the 2040 Master Plan.
- 3. A review of previous studies completed regarding the subject property by the City, including but not limited to:
  - Parking occupancy studies and parking needs assessments:
  - Structural reports on the N. Old Woodward parking structure:
  - Conceptual development plans for the site; and
  - Feasibility studies.
- 4. Identification of current trends and best practices for infill sites in other dense, traditional, walkable downtowns;

- 5. Conducting presentations to review existing site conditions, best practices for similar sites and locations and prior findings and recommendations regarding the potential improvement of the site;
- Creation of a detailed Community Engagement Plan to encourage and facilitate ongoing public participation including a visioning process, interactive workshops, surveys, walking tours and/or other such methods that have been demonstrated to stimulate public discourse to gather input from residents, business owners (property owners and tenants) and elected and appointed boards and commissions;
- 7. Development of public consensus on a strategic vision for the potential improvement of the site, including whether or not to integrate the following elements:
  - a) Transportation infrastructure (vehicle travel lanes, bicycle infrastructure, sidewalks and pedestrian crossings etc.);
  - b) Parking infrastructure (increase, decrease or maintain existing parking supply on the site) and the type of parking system preferred (surface lots, structured parking above or below grade, automated systems etc.);
  - c) The creation of one or more parcels for public or private redevelopment;
  - d) Large or small scale retail development;
  - e) Office, commercial or other mixed use development;
  - f) Residential uses (low intensity, "missing middle" medium intensity, or high intensity, integration with other uses etc.),
  - g) Public plaza or park space, connections to existing public spaces or trails; and
  - h) Civic elements such as a civic destination, public art, festival space etc.;
- 8. Attendance at all relevant board and commission meetings, public engagement activities, meetings with City staff and public hearings; and
- 9. Preparation of a strategic vision document that outlines the vision, goals and desired elements to be included in the future redevelopment of the site for future use in the creation of a conceptual design plan.

Please note the scope of work outlined above is not necessarily all-inclusive and the professional firm proposing to undertake this project shall include in the proposal any other tasks and services deemed necessary.

#### **DELIVERABLES**

The Contractor shall provide a detailed strategic vision plan for the property, including the extensive use of illustrations, photos, and case studies that clearly depict the vision and implementation in the following formats:

- 1. One (1) reproducible PDF digital file and twenty (20) hard copies of the strategic vision plan;
- 2. One (1) reproducible PDF digital file of the final Plan for publication on the web and social media; and
- 3. One page infographic outlining the vision, goals and recommendations of the strategic vision plan.

All data, illustrations and projections created or compiled throughout the project shall become the sole property of the City of Birmingham.

#### TIME SCHEDULE AND COST PROPOSAL

All proposals must include a proposed time schedule for completion of the project and a fixed price agreement with an associated fee schedule for extra meeting costs, should they be required. Reimbursable expenses will be billed at direct cost plus a 10% administrative charge. Normal

reimbursable expenses associated with the project are to be included in the estimated fees as outlined in the proposal.

The Contractor shall perform all services outlined in this RFP in accordance with the requirements as defined and noted herein.

#### **INVITATION TO SUBMIT A PROPOSAL**

Proposals shall be submitted no later than , 2	2020 at	: 3:00:	om t	0
--	---------	---------	------	---

City of Birmingham
Attn: City Clerk
151 Martin Street
Birmingham, Michigan 48009

One (1) electronic copy and ten (10) hard copies of the proposal must be submitted. The proposal should be firmly sealed in an envelope, which shall be clearly marked on the outside, "ARCHITECTURAL & DESIGN SERVICES FOR PUBLIC PROPERTY". Any proposal received after the due date cannot be accepted and will be rejected and returned, unopened, to the proposer. Proposer may submit more than one proposal provided each proposal meets the functional requirements.

#### **SUBMISSION REQUIREMENTS**

All proposals to be considered must contain the following:

- (1) Cover Letter;
- (2) Outline of qualifications of the Contractor and of the key employees that will be involved in the project, including an organizational chart of the roles and responsibilities of each team member, and references for the team leader(s). The project team should include each of the following skill sets:
  - Urban design;
  - Multi-modal transportation and parking;
  - Urban planning;
  - Architecture;
  - Landscape architecture; and
  - Public engagement.
- (3) Outline of Contractor(s) experience with the preparation of similar strategic vision plans, including references from at least two relevant communities where you have completed such plans. (Portions of sample plans prepared by the Contractor should be submitted with the proposal, up to a maximum of twenty-five (25) pages);
- (4) Outline presenting a description of the scope of work to be completed and a proposed time frame for completion;
- (5) A statement of any additional services that you recommend, if any. Define hourly rates for additional services by discipline.
- (6) Cover Sheet (Attachment J);
- (7) Bidders Agreement (Attachment K);
- (8) Cost Proposal (**Attachment L**);
- (9) Iran Sanctions Act Vendor Certification (Attachment M); and
- (10) Agreement (Attachment N) only if selected by the City).

#### INSTRUCTIONS TO BIDDERS

- 1. Any and all forms requesting information from the bidder must be completed on the attached forms contained herein (see Contractor's Responsibilities). If more than one bid is submitted, a separate bid proposal form must be used for each.
- 2. Any request for clarification of this RFP shall be made <u>in writing</u> and delivered to: Jana L. Ecker, Planning Director, 151 Martin Street, Birmingham, MI, or via email to jecker@bhamgov.org. Such request for clarification shall be delivered, in writing, <u>no later than 5 days prior to the deadline for submissions</u>. Email requests must contain in their subject line "Request for Clarification".
- 3. All proposals must be submitted following the RFP format as stated in this document and shall be subject to all requirements of this document including the instruction to respondents and general information sections. All proposals must be regular in every respect and no interlineations, excisions, or special conditions shall be made or included in the RFP format by the respondent.
- 4. The contract will be awarded by the City of Birmingham to the most responsive and responsible bidder and the contract will require the completion of the work pursuant to these documents.
- 5. Each respondent shall include in their proposal, in the format requested, the cost of performing the work. Municipalities are exempt from Michigan State Sales and Federal Excise taxes. Do not include such taxes in the proposal figure. The City will furnish the successful company with tax exemption information when requested.
- 6. Each respondent shall include in their proposal the following information: Firm name, address, city, state, zip code, telephone number, and fax number. The company shall also provide the name, address, telephone number and e-mail address of an individual in their organization to whom notices and inquiries by the City should be directed as part of their proposal.

#### **EVALUATION PROCEDURE AND CRITERIA**

The City will utilize a qualifications-based selection process in choosing a Contractor for the completion of this work. The evaluation panel will consist of City staff, board members, and/or any other person(s) designated by the City who will evaluate the proposals based on, but not limited to, the following criteria:

- Ability to provide services as outlined.
- Experience of the Contractor with similar projects.
- Professional qualification of key employees assigned to the project.
- Public Involvement Process.
- Content of Proposal.
- Cost of Services.
- Timeline and Schedule for Completion.
- References.

#### TERMS AND CONDITIONS

1. The City reserves the right to reject any or all proposals received, waive informalities, or accept any proposal, in whole or in part, it deems best. The City reserves the right to

award the contract to the next most qualified Contractor if the successful Contractor does not execute a contract within ten (10) days after the award of the proposal.

- 2. The City reserves the right to request clarification of information submitted and to request additional information of one or more Contractors.
- 3. The City reserves the right to terminate the contract at its discretion should it be determined that the services provided do not meet the specifications contained herein. The City may terminate this Agreement at any point in the process upon notice to Contractor sufficient to indicate the City's desire to do so. In the case of such a stoppage, the City agrees to pay Contractor for services rendered to the time of notice, subject to the contract maximum amount.
- 4. Any proposal may be withdrawn up until the date and time set above for the opening of the proposals. Any proposals not so withdrawn shall constitute an irrevocable offer, for a period of ninety (90) days, to provide the services set forth in the proposal.
- 5. The cost of preparing and submitting a proposal is the responsibility of the Contractor and shall not be chargeable in any manner to the City.
- 6. Payment will be made within thirty (30) days after invoice. Acceptance by the City is defined as authorization by the designated City representative to this project that all the criteria requested under the Scope of Work contained herein have been provided. Invoices are to be rendered each month following the date of execution of an Agreement with the City.
- 7. The Contractor will not exceed the timelines established for the completion of this project.
- 8. The successful bidder shall enter into and will execute the contract as set forth and attached as Attachment A.

#### CONTRACTOR'S RESPONSIBILITIES

Each bidder shall provide the following as part of their proposal:

- 1. Complete and sign all forms requested for completion within this RFP.
  - a. Cover Sheet (Attachment F)
  - b. Bidder's Agreement (Attachment G)
  - c. Cost Proposal (Attachment H)
  - d. Iran Sanctions Act Vendor Certification Form (Attachment I)
  - e. Agreement (Attachment J) **only if selected by the City**).
- Provide a description of completed projects that demonstrate the firm's ability to complete projects of similar scope, size, and purpose, and in a timely manner, and within budget.
- 3. Provide a written plan detailing the anticipated timeline for completion of the tasks set forth in the Scope of Work.
- 4. The Contractor will be responsible for any changes necessary for the plans to be approved by the City of Birmingham.

- 5. Provide a description of the firm, including resumes and professional qualifications of the principals involved in administering the project.
- 6. Provide a list of sub-contractors and their qualifications, if applicable.
- 7. Provide three (3) client references from past projects, include current phone numbers. At least two (2) of the client references should be for similar projects.
- 8. Provide a project timeline addressing each section within the Scope of Work and a description of the overall project approach. Include a statement that the Contractor will be available according to the proposed timeline.

#### **CITY RESPONSIBILITY**

The City will provide a designated representative to work with the Contractor to coordinate both the City's and Contractor's efforts and to review and approve any work performed by the Contractor.

#### SETTLEMENT OF DISPUTES

The successful bidder agrees to certain dispute resolution avenues/limitations. Please refer to paragraph 17 of the Agreement attached as Attachment E for the details and what is required of the successful bidder.

#### **INSURANCE**

The successful bidder is required to procure and maintain certain types of insurances. Please refer to paragraph 12 of the Agreement attached as Attachment E for the details and what is required of the successful bidder.

#### CONTINUATION OF COVERAGE

The Contractor also agrees to provide all insurance coverages as specified. Upon failure of the Contractor to obtain or maintain such insurance coverage for the term of the agreement, the City may, at its option, purchase such coverage and subtract the cost of obtaining such coverage from the contract amount. In obtaining such coverage, Birmingham shall have no obligation to procure the most cost effective coverage but may contract with any insurer for such coverage.

#### **EXECUTION OF CONTRACT**

The bidder whose proposal is accepted shall be required to execute the contract and to furnish all insurance coverages as specified within ten (10) days after receiving notice of such acceptance. Any contract awarded pursuant to any bid shall not be binding upon the City until a written contract has been executed by both parties. Failure or refusal to execute the contract shall be considered an abandonment of all rights and interest in the award and the contract may be awarded to another. The successful bidder agrees to enter into and will execute the contract as set forth and attached as Attachment A.

#### **INDEMNIFICATION**

The successful bidder agrees to indemnify the City and various associated persons. Please refer to paragraph 13 of the Agreement attached as Attachment E for the details and what is required of the successful bidder.

#### CONFLICT OF INTEREST

The successful bidder is subject to certain conflict of interest requirements/restrictions. Please refer to paragraph 14 of the Agreement attached as Attachment E for the details and what is required of the successful bidder.

#### **EXAMINATION OF PROPOSAL MATERIALS**

PROJECT TIMELINE (MAXIMUM)

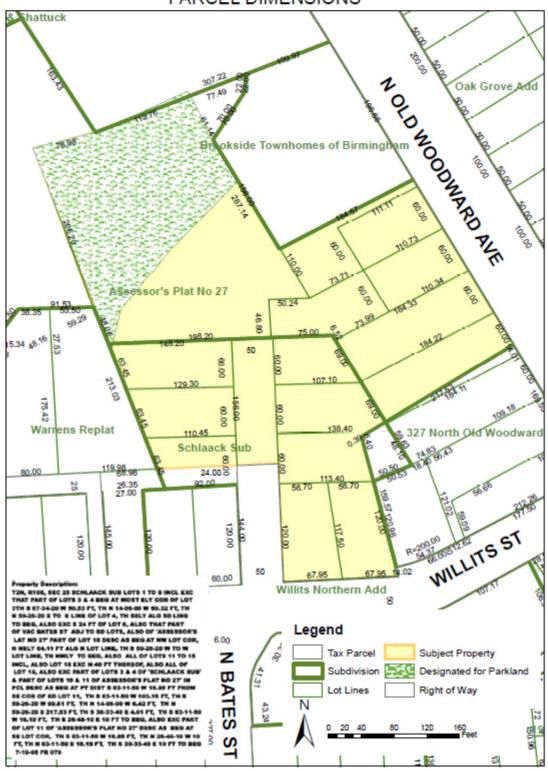
The submission of a proposal shall be deemed a representation and warranty by the Contractor that it has investigated all aspects of the RFP, that it is aware of the applicable facts pertaining to the RFP process and its procedures and requirements, and that it has read and understands the RFP. Statistical information which may be contained in the RFP or any addendum thereto is for informational purposes only.

Evaluate Respondents	
Interview Contractors	
Award Contract	
Project Kick Off Meeting	
50% Completion of strategic vision plan	
Final Draft of Plan Completed	

The Contractor will not exceed the timelines established for the completion of this project. A shorter timeline is encouraged and preferred.

### **ATTACHMENT A**

# N. OLD WOODWARD / BATES PARKING SITE PARCEL DIMENSIONS



## ATTACHMENT B Easement Benefitting 325 N. Old Woodward

#### **Vehicle Access Easement**

Land located in the City of Birmingham, County of Oakland, State of Michigan, more particularly described as:

A parcel of land being a part of Lots 10 and 11 of "Assessor's Plat No. 27" in the SW quarter of Section 25, T2N, R10E, City of Birmingham, Oakland County, Michigan, according to the Plat thereof as recorded in Liber 6 of Plats, Page 46, Oakland County Records, and a part of Lots 3 and 4 of "Schlaack Subdivision of Lots 40, 41, 42 and part of Lot 53 of Willets Addition", City of Birmingham, Oakland County, Michigan, according to the Plat thereof as recorded in Liber 8 of Plats, Page 8, Oakland County Records, said parcel of land being described as follows: Commencing at the southeasterly corner of said Lot 11, said point also being on the westerly line of Woodward Avenue (100 feet wide); thence S 63°11'50" W 16.85 feet along the southerly line of said Lot 11 to the point of beginning of this description; thence continuing S 63°11'50" W 103.15 feet along said lot line to a point; thence S 59°26'20" W 99.61 feet to a point; thence N 30°33'40" W 19.16 feet to a point; thence N 59°26'20" E 219.35 feet to a point on the easterly line of said Lot 11; thence S 30°33'40" E 17.01 feet along said easterly line of said Lot 11 to a point; thence S 63°11'50" W 16.19 feet along a line 10.00 feet northerly of and parallel to the southerly line of said Lot 11 to a point; thence S 26°48'10" E 10.00 feet to the point of beginning of this description.

# N. Old Woodward / Bates Parking Site Zoning Districts



# N. Old Woodward / Bates Parking Site Overlay Zoning Districts

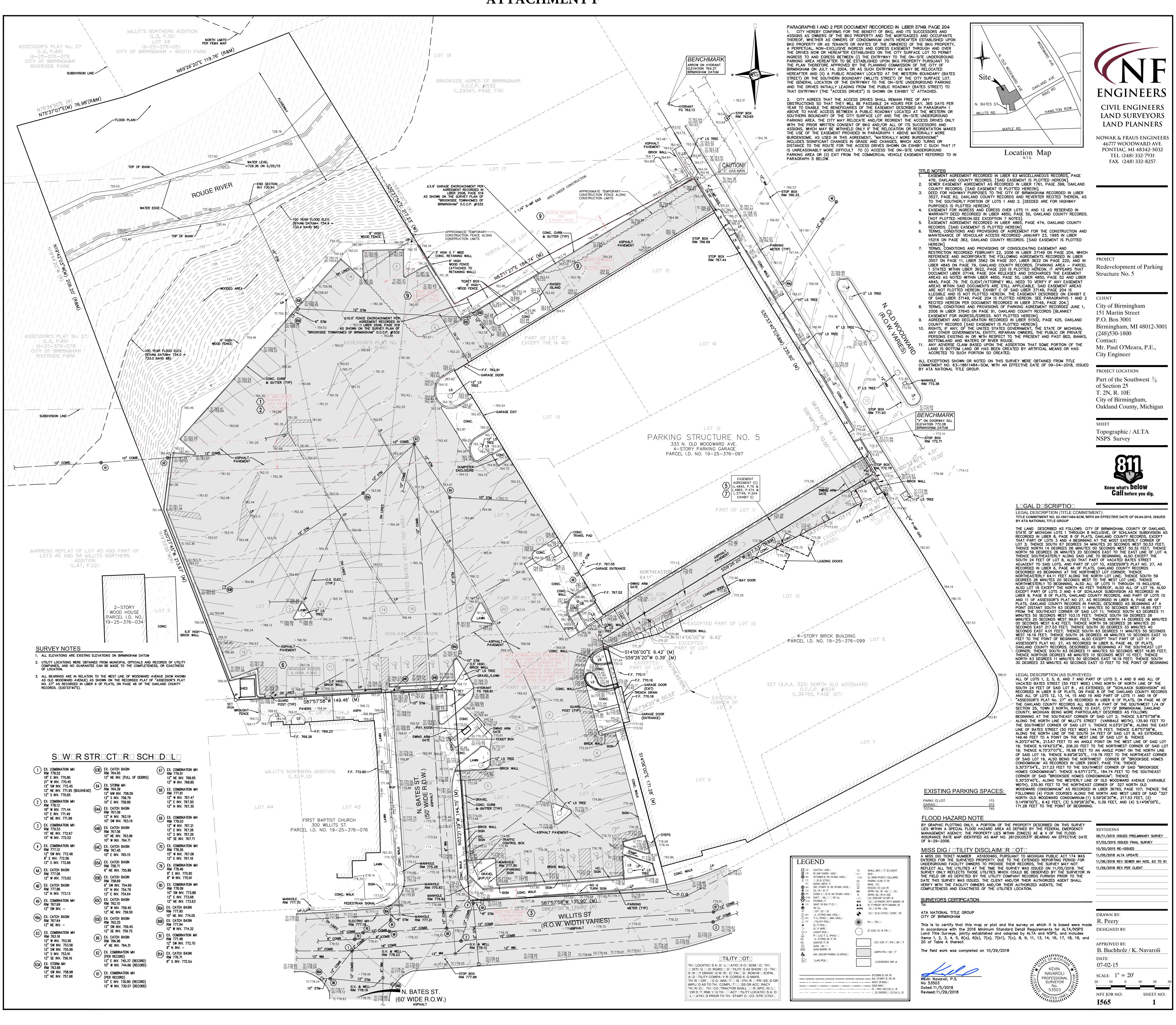


### ATTACHMENT E Booth Park Trail Connection

Booth Park trail connection to Bates Street site.



# **ATTACHMENT F**



#### ATTACHMENT G



ATA National Title Group, LLC 42651 Woodward Ave. Bloomfield Hills, MI 48304 Ph:(248) 338-7135 Fax:(248) 338-3045

Record Search furnished to: Beier Howlett 3001 West Big Beaver, Ste. 200 Troy, MI 48084 Tim Currier

File No. 63-18611484-SCM

#### TITLE INFORMATION REPORT

#### **DESCRIPTION OF REAL ESTATE**

Situated in the City of Birmingham, County of Oakland, State of Michigan, as follows:

**SEE EXHIBIT A** 

Re: 333 N Old Woodward Avenue, Birmingham, MI 48009

Tax Item No. 19-25-376-097

Owner(s): City of Birmingham, a Municipal Corporation

- 1. Easement Agreement recorded in Liber 63 Miscellaneous Records, Page 476, Oakland County Records.
- Sewer Easement Agreement as recorded in Liber 1761, Page 399, Oakland County Records.
- 3. Deed for highway purposes to the City of Birmingham recorded in Liber 3527, Page 62, Oakland County Records and reverter recited therein, as to the Southerly portion of Lots 1 and 2.
- 4. Easement for ingress and egress over Lots 11 and 12 as reserved in Warranty Deed recorded in Liber 4850, Page 50, Oakland County Records.
- 5. Easement Agreement recorded in Liber 4865, Page 474, Oakland County Records.
- 6. Terms, Conditions and Provisions of Agreement for the Construction and Maintenance of Vehicular Access recorded January 23, 1995 in Liber 15216 on Page 362, Oakland County Records.
- 7. Terms, Conditions and Provisions of Consolidating Easement and Restriction recorded February 22, 2006 in Liber 37149 on Page 204, which reference and incorporate the following Agreements recorded in Liber 3557 on Page 11, Liber 3562 on Page 307, Liber 3622 on Page 220, and in Liber 4845 on Page 79, Oakland County Records.
- 8. Terms, Conditions and Provisions of Parking Agreement recorded June 1, 2006 in Liber 37645 on Page 91, Oakland County Records.
- 9. Agreement and Declaration recorded in Liber 51502, Page 425, Oakland County Records.
- 10. Rights, if any, of the United States government, the State of Michigan, any other governmental entity, riparian owners, the public or private persons existing in or with respect to the present and past bed, banks, bottomland and waters of River Rouge.
- 11. Any adverse claim based upon the assertion that some portion of the Land is bottom land or has been created by artificial means or has accreted to such portion so created.

**Examined By: Eliezer Kaplan** 

COUNTERSIGNED:

ATA NATIONAL TITLE GROUP, LLC

Elie Kaplan

AUTHORIZED SIGNATORY

This information compiled as of an effective date of September 4, 2018 at 8:00 A.M.

Wednesday, September 26, 2018

12. PAYMENT OF TAXES:

2017 December Taxes are Exempt

2018 July Taxes are Exempt

Special Assessments: Exempt

The amounts shown as due do not include collection fees, penalties or interest.

#### **Terms and Conditions**

Tax Parcel No.: 19-25-376-097

- 1. This document is a search only. It is neither an insurance product nor an opinion of law or title and should not be relied upon as such. In addition, it runs only to the named customer and should not be relied upon for any purpose by any person or entity other than the named customer and/or its duly appointed representatives and agents.
- 2. By receiving and using this product, the customer agrees that the liability of the Company, its subsidiaries and affiliates, for any direct or indirect loss shall be limited to either the amount of the loss or the amount paid for this search, whichever is less.

#### **EXHIBIT "A"**

The land referred to in this search is described as follows: City of Birmingham, County of Oakland, State of Michigan

Lots 1 through 8 inclusive, of Schlaack Subdivision as recorded in Liber 8, Page 8 of Plats, Oakland County Records, EXCEPT that part of Lots 3 and 4 beginning at the most Easterly corner of Lot 3; thence South 67 degrees 34 minutes 20 seconds West 50.53 feet; thence North 14 degrees 06 minutes 00 seconds West 50.32 feet; thence North 59 degrees 26 minutes 20 seconds East to the East line of Lot 4; thence Southeasterly along said line to beginning, ALSO EXCEPT the South 24 feet of Lot 8, ALSO that part of vacated Bates Street adjacent to said Lots, and Part of Lot 10, Assessor's Plat No. 27, as recorded in Liber 6, Page 46 of Plats, Oakland County Records described as beginning at the Northwest Lot corner; thence Northeasterly 64.11 feet along the North Lot line; thence South 59 degrees 26 minutes 20 seconds West to the West Lot line; thence Northwesterly to beginning, ALSO all of Lots 11 through 15 inclusive, ALSO Lot 16 EXCEPT the North 40 feet thereof, ALSO All of Lot 19, ALSO EXCEPT part of Lots 3 and 4 of Schlaack Subdivision as recorded in Liber 8, Page 8 of Plats, Oakland County Records, and Part of Lots 10 and 11 of Assessor's Plat No 27, as recorded in Liber 6, Page 46 of Plats, Oakland County Records in parcel described as beginning at a point distant South 63 degrees 11 minutes 50 seconds West 16.85 feet from the Southeast corner of said Lot 11; thence South 63 degrees 11 minutes 50 seconds West 103.15 feet; thence South 59 degrees 26 minutes 20 seconds West 99.61 feet; thence North 14 degrees 06 minutes 00 seconds West 6.42 feet; thence North 59 degrees 26 minutes 20 seconds East 217.53 feet; thence South 30 degrees 33 minutes 40 seconds East 4.01 feet; thence South 63 degrees 11 minutes 50 seconds West 16.19 feet; thence South 26 degrees 48 minutes 10 seconds East 10 feet to the point of beginning, ALSO EXCEPT that part of Lot 11 of Assessor's Plat No. 27, as recorded in Liber 6, Page 46, of Plats, Oakland County Records, described as beginning at the Southeast Lot corner; thence South 63 degrees 11 minutes 50 seconds West 16.85 feet; thence North 26 degrees 48 minutes 10 seconds West 10 feet; thence North 63 degrees 11 minutes 50 seconds East 16.19 feet; thence South 30 degrees 33 minutes 40 seconds East 10 feet to the point of beginning.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT

333 N. Old Woodward Avenue, Birmingham, Michigan

PREPARED FOR City of Birmingham

151 Martin Street

Birmingham, Michigan 48009

**PROJECT #** 13661F-1-17

DATE September 28, 2018

## **Table of Contents**



EXE	CUTIVE	SUMMARY	I			
1.0	INTRO	DDUCTION	1			
	1.1	PURPOSE	1			
	1.2	SCOPE OF SERVICES	2			
	1.3	LIMITING CONDITIONS AND EXCEPTIONS	2			
	1.4	SPECIAL TERMS AND CONDITIONS	2			
	1.5	RELIANCE	2			
2.0	USER A	AND/OR CLIENT PROVIDED INFORMATION	2			
	2.1	ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS	3			
	2.2	SPECIALIZED KNOWLEDGE OR EXPERIENCE OF THE USER	3			
	2.3	ACTUAL KNOWLEDGE OF THE USER	3			
	2.4	VALUE REDUCTION DUE TO CONTAMINATION	3			
	2.5	COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION	4			
	2.6	PRESENCE OR LIKELY PRESENCE OF CONTAMINATION	4			
	2.7	REASON FOR PERFORMING THIS PHASE I ESA	4			
3.0	SUBJE	CT PROPERTY DESCRIPTION	4			
	3.1	LOCATION AND LEGAL DESCRIPTION	4			
	3.2	SUBJECT PROPERTY AND VICINITY CHARACTERISTICS	5			
	3.3	DESCRIPTION OF STRUCTURES AND OTHER IMPROVEMENTS	5			
	3.4	CURRENT USE OF THE SUBJECT PROPERTY				
	3.5	UTILITIES AND MUNICIPAL SERVICES	6			
	3.6	CURRENT USES OF THE ADJOINING PROPERTIES	7			
4.0	RECOR	RDS REVIEW	8			
	4.1	PHYSICAL SETTING SOURCES	8			
	4.2	STANDARD ENVIRONMENTAL RECORD SOURCES	9			
		4.2.1 Subject Property Listings	10			
		4.2.2 Adjoining Properties				
	4.2	4.2.3 Nearby Sites				
	4.3	REGULATORY AGENCY FILE AND RECORDS REVIEW				
		<ul><li>4.3.1 MDEQ Waste Management and Radiological Protection Division (WMR</li><li>4.3.2 MDEQ Remediation and Redevelopment Division (RRD)</li></ul>	-			
		4.3.3 Michigan Department of Licensing and Regulatory Affairs (LARA)				
		4.3.4 MDEQ Office of Oil, Gas and Minerals (OOGM)				
		4.3.5 MDEQ Air Quality Division (AQD)	12			



		4.3.6 MDEQ Water Resources Division (WRD)	12
	4.4	ADDITIONAL ENVIRONMENTAL RECORD SOURCES	12
		4.4.1 Local Health Department	12
		4.4.2 Local Fire Department	
		4.4.3 Previous Environmental Reports	13
	4.5	HISTORICAL USE INFORMATION	13
		4.5.1 Aerial Photographs	14
		4.5.2 Fire Insurance Maps	15
		4.5.3 City Directories	17
		4.5.4 Assessing Department Records	19
		4.5.5 Building Department Records	
		4.5.6 Recorded Land Title Records	
		4.5.7 Other Historical Information	
5.0	INTER	VIEWS	20
	5.1	INTERVIEW WITH SUBJECT PROPERTY OWNER	20
	5.2	INTERVIEW WITH KEY SITE MANAGER	20
	5.3	INTERVIEW WITH SUBJECT PROPERTY OCCUPANT(S)	20
	5.4	INTERVIEW(S) WITH OTHERS	20
6.0	SUBJE	CT PROPERTY RECONNAISSANCE	20
	6.1	METHODOLOGY AND LIMITING CONDITIONS	
	6.2	GENERAL SUBJECT PROPERTY SETTING AND OPERATIONS	21
	6.3	OBSERVATIONS	21
		6.3.1 Hazardous Substances and Petroleum Products	21
		6.3.2 Hazardous and Non-Hazardous Waste	
		6.3.3 Storage Tanks	21
		6.3.4 Unidentified Substances/Containers	21
		6.3.5 Potential Polychlorinated Biphenyl (PCB) Containing Electrical Equipment	21
		6.3.6 Interior Staining/Corrosion	22
		6.3.7 Drains and Sumps	22
		6.3.8 Discharge Features	22
		6.3.9 Pits, Ponds, and Lagoons	22
		6.3.10 Solid Waste Dumping/Landfilling	
		6.3.11 Stained Soil, Stressed Vegetation, Stained Pavement	22
		6.3.12 Well and Septic Systems	
		6.3.13 Other Observations	
		6.3.14 Adjoining Properties	23
	6.4	NON-ASTM SCOPE CONSIDERATIONS	23
7.0	FINDIN	NGS, OPINIONS, AND CONCLUSIONS	24





	7.1	RECOGNIZED ENVIRONMENTAL CONDITIONS24
	7.2	CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS
	7.3	HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS
	7.4	DE MINIMIS CONDITIONS
	7.5	AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
8.0	DEVIA	TIONS
9.0	DATA (	GAPS26
10.0	PROJE	CT RESOURCES AND REFERENCES
11.0	SIGNA	TURES OF ENVIRONMENTAL PROFESSIONALS26
QUA	LIFICA <sup>-</sup>	<u>TIONS</u>
FIGU	<u>IRES</u>	
Figur	e 1	Topographic Location Map
Figur	e 2	Subject Property Map
Figur	e 3	
<u>APPI</u>	ENDICE	<u>s</u>
Appe	ndix A.	
Appe	ndix B .	Property Description and Parcel Map
Appe	ndix C.	
Appe	ndix D.	Standard Environmental Record Database Report
Appe	ndix E .	Aerial Photograph Documentation
Appe	ndix F .	Fire Insurance Map Documentation
Appe	ndix G.	Other Relevant Documentation



## PHASE I ENVIRONMENTAL SITE ASSESSMENT

333 N. Old Woodward Avenue, Birmingham, Michigan AKT Peerless Project No. 13661F-1-17

#### **Executive Summary**

AKT Peerless conducted a Phase I Environmental Site Assessment (ESA) for the subject property as described below in accordance with United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquires [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and ASTM International Standard Practice E 1527-13 (ASTM Practice E 1527). This Phase I ESA was performed for City of Birmingham (Client) in connection with a possible redevelopment of the subject property by way of a ground lease.

#### **Subject Property Description**

Address	333 N. Old Woodward Avenue, Birmingham, Michigan
Land Area	Approximately 3.9 acres
Parcel ID Number(s)	08-19-25-376-097
Number of Building(s)	One
Date(s) of Construction	1966
Building Square Footage	Approximately 40,000 square feet (footprint)
Current Use	Ground level parking lot and four-story (five-deck) parking deck
Current Occupants	City of Birmingham
Past Use	Residential, commercial
Adjoining Property Uses	North: Booth Park Northeast: Undeveloped land; Brookside Residences (under construction) East: Steinhardt Pesick & Cohen, P.C.; The Law Firm of John F. Schaefer; Strength Capital Partners; Morganroth & Morganroth, PLLC; SAIC USA Southeast: UBS; Fleming's Prime Steakhouse & Wine Bar; Beal Bank; Poggen Pohl; Centigrade; Tilt; Google Inc. South: Cameron's Steakhouse; other street level and commercial office space occupants not identified Southwest: McCann Detroit; First Baptist Church West: Single-family residential Northwest: Booth Park



Address	333 N. Old Woodward Avenue, Birmingham, Michigan
Inferred Groundwater Flow Direction	West
Approximate Groundwater Depth	Unknown

#### **OPINIONS AND CONCLUSIONS**

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of known RECs in connection with the subject property, except for the following:

- REC 1 According to fire insurance maps, the subject property formerly included 12 developed lots, in addition to one undeveloped lot, an apparent alley, and a portion of an adjoining developed lot. Between approximately 1915 and 1960, up to 12 residential and/or commercial structures were located entirely on the subject property. Municipal records and fire insurance maps indicate that at least three of these structures, located at 244 and 292 Willits Street and 248 N. Bates Street, may have included basements. The origin of the fill material used to fill basements of former structures at the subject property, if any, prior to conversion of the southern portion of the subject property to a street level parking lot in the mid-1950s to early-1960s is unknown. The unknown origin of such fill material represents an REC.
- REC 2 According to fire insurance maps and city directories, a dry cleaner operated on an eastern adjoining property located at 324-332 N. Old Woodward Avenue from at least 1944 until at least 1960. Historical dry-cleaning operations typically involved the use of petroleum and/or chlorinated solvents. In addition, the eastern adjoining property located at 322 N. Old Woodward Avenue was identified as a Part 201 site in the regulatory database report. Part 201 sites are Michigan sites at which contamination has been identified at concentrations exceeding Michigan Department of Environmental Quality (MDEQ) Generic Cleanup Criteria. No further information regarding the Part 201 site status of the eastern adjoining property was identified. The subject property is located at an inferred hydraulically down-gradient position relative to the eastern adjoining property. Therefore, the potential for migration of contamination from the eastern adjoining property toward the subject property represents an REC.

It is important to note that, under Part 201 of the Natural Resources and Environmental Protection Act (NREPA) Section 20126(4)(c), a property owner is not liable for contamination migrating from an off-site source, unless the owner is responsible for an activity causing the release that is the source of the contamination. However, if contamination is identified on the subject property, the subject property owner may be required to comply with certain Due Care obligations pursuant to Section 20107a(1).

Further assessment is warranted to evaluate the nature, extent, magnitude, and materiality of the above-identified RECs.

Controlled Recognized Environmental Conditions (CRECs)

This assessment has revealed no evidence of known CRECs in connection with the subject property.



Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed no evidence of known HRECs in connection with the subject property.

The Executive Summary above is an overview of the opinions and conclusions of this Phase I ESA and shall not be considered apart from the entire report, which contains the rationale and qualifications used by AKT Peerless in making the opinions and conclusions presented herein. Furthermore, non-ASTM scope considerations, if any, are reported in Section 6.4 and Other Potential Environmental Concerns (PECs), if any, are reported in Section 7.5. These conditions are not included in this Executive Summary.





#### 1.0 Introduction

City of Birmingham (Client) retained AKT Peerless to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 333 N. Old Woodward Avenue in Birmingham, Oakland County, Michigan (the subject property). This Phase I ESA was conducted in accordance with: (1) United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and (2) guidelines established by ASTM International (ASTM) in the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13 (ASTM Practice E 1527).

For the purpose of this Phase I ESA, the Client is the party that retained AKT Peerless to complete this Phase I ESA. AKT Peerless has not made an independent determination if its Client is also a *User* that intends to rely on this Phase I ESA to qualify for Landowner Liability Protection (LLP) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In accordance with ASTM Practice E 1527, a *User* is the party seeking to use ASTM Practice E 1527 to complete an environmental site assessment of the subject property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. Furthermore, a *User* seeking to qualify for an LLP to CERCLA liability has specific obligations for completing a successful application of this practice. AKT Peerless' scope of work does not include an evaluation or completion of these specific user obligations under ASTM Practice E 1527, unless otherwise noted.

#### 1.1 Purpose

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)<sup>1</sup>, *controlled recognized environmental conditions* (HRECs)<sup>3</sup>, *and de minimis conditions* (in connection with the subject property. Moreover, this practice may permit certain users of this Phase I ESA to satisfy environmental due diligence requirements to qualify for the bona fide prospective purchaser, contiguous landowner, or innocent landowner limitations under CERCLA, the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Small Business Liability and Brownfields Revitalization Act (Brownfields Amendments) of 2002. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions in connection with the subject property.

<sup>1</sup> ASTM Standard Practice E 1527-13 defines the term REC as the presence or likely presence of any hazardous substance or petroleum product in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

<sup>&</sup>lt;sup>2</sup> ASTM Standard Practice E 1527-13 defines the term CREC as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

<sup>&</sup>lt;sup>3</sup> ASTM Standard Practice E 1527-13 defines the term HREC as a past release of any hazardous substance or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls.

<sup>&</sup>lt;sup>4</sup> ASTM Standard Practice E 1527-13 defines the term de minimis condition as a condition that generally does not present a threat to human health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate government agencies.



#### 1.2 Scope of Services

AKT Peerless' scope-of-services is based on its proposal PF-23095, dated August 16, 2018, and the terms and conditions of that agreement. This Phase I ESA included the following:

- An inquiry of environmental conditions by an Environmental Professional.
- A review of specialized knowledge reported by the Client.
- A review of relevant public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- Interviews with relevant regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the subject property is abandoned.
- A reconnaissance of the subject property. The adjoining properties were observed from the subject property and from readily accessible public rights-of-way.

#### 1.3 Limiting Conditions and Exceptions

A list of general limitations and exceptions typically encountered when completing Phase I ESAs is provided in Appendix A. In certain instances, limiting conditions, data failures, or data gaps, as defined by ASTM, may prevent adherence to all ASTM Practice E 1527 requirements. In such cases, the limiting conditions, data gaps, or data failures are discussed in the appropriate sections of this report.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention, so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

#### 1.4 Special Terms and Conditions

To the best of AKT Peerless' knowledge, no special terms or conditions, or client-imposed constraints, apply to the preparation of this Phase I ESA.

#### 1.5 Reliance

AKT Peerless performed this Phase I ESA for the benefit of its Client, City of Birmingham. AKT Peerless acknowledges that this party may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

### 2.0 User and/or Client Provided Information

In order to qualify for one of the LLPs offered by the Brownfields Amendments, a *User* must conduct certain inquiries as described in 40 CFR 312. If the Client intends to use ASTM Practice E 1527 to qualify for an LLP to CERCLA liability, then AAI requires that certain tasks be performed by – or on behalf of – that party. As appropriate, these inquiries must also be conducted by USEPA Brownfield Assessment and Characterization grantees. While such information is not required to be provided to the Environmental Professional, AKT Peerless requested this information from its Client in the form of a Questionnaire, Document Request Form, and Interviews as such information can assist the Environmental Professional in identifying environmental conditions.



AKT Peerless provided a Questionnaire and Document Request Form to Ms. Tiffany Gunter, Assistant City Manager for the City of Birmingham. As appropriate, AKT Peerless conducted follow-up interviews with Ms. Gunter. The following subsections summarize the information and responses provided by the Client. The completed Questionnaire is provided in Appendix G.

#### 2.1 Environmental Liens or Activity and Use Limitations

ASTM Practice E 1527 Section 6.2 and AAI (40 CFR 312.20, 25, and 26) require that Users search recorded title and judicial records for registered Environmental Liens or/and Activity and Use Limitations (AULs). The results of the User's search should be communicated to the Environmental Professional. This search is in addition to the review of environmental liens and AULs conducted by the Environmental Professional (refer to Section 4.3.2 of this Phase I ESA).

The Client did not report (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; (2) AULs, such as engineering controls, land use restrictions or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law; or (3) recorded land title or judicial records, except for land title records documenting an ingress/egress easement for Burton-Katzman associated with access to a private parking deck located beneath the commercial building on the southeastern adjoining property. The Client provided these land title records for AKT Peerless' review. Refer to Section 4.5.6 for additional information.

#### 2.2 Specialized Knowledge or Experience of the User

ASTM Practice E 1527 Section 6.3 and AAI (40 CFR 312.28) require that the User take into account their specialized knowledge to identify conditions indicative of releases or threatened releases associated with the subject property, and suggest this information be communicated to the Environmental Professional before the site reconnaissance.

The Client did not report specialized knowledge or experience regarding the environmental condition of the subject property.

#### 2.3 Actual Knowledge of the User

ASTM Practice E 1527 Section 6.4 suggests that the User communicate actual knowledge of any environmental lien or AULs associated with the subject property to the Environmental Professional.

The Client did not report actual knowledge of environmental liens or AULs associated with the subject property.

#### 2.4 Value Reduction Due to Contamination

For transactions involving the purchase of commercial real estate, ASTM Practice E 1527 Section 6.5 and AAI (40 CFR 312.29) require the User to consider the relationship of the purchase price to the fair market value of the subject property as an indicator of potential contamination and make a written record of that explanation.

The Client did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.



# 2.5 Commonly Known or Reasonably Ascertainable Information

ASTM Practice E 1527 Section 6.6 and AAI (40 CFR 312.30) require the User to take into account commonly known or reasonably ascertainable information within the local community about the subject property.

The Client did not report such commonly known or reasonably ascertainable information.

# 2.6 Presence or Likely Presence of Contamination

ASTM Practice E 1527 Section 6.7 and AAI (40 CFR 312.31) require the User to consider the degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation.

The Client did not report on the degree of obviousness of the presence or likely presence of contamination at the subject property or the ability to detect the contamination by appropriate investigations.

# 2.7 Reason for Performing this Phase I ESA

ASTM Practice E 1527 requires that the User provide the Environmental Professional with the reason for performing the Phase I ESA.

The Client reported that this Phase I ESA was conducted as part of environmental due diligence related to a possible redevelopment of the subject property by way of a ground lease.

# 3.0 Subject Property Description

# 3.1 Location and Legal Description

The subject property is located in the southwest ¼ of Section 25 in Birmingham (T.2N./R.10E.), Oakland County, Michigan. The subject property is located on the west side of N. Old Woodward Avenue, north of Willits Street. See the following table for additional subject property details:

# **Subject Property Identifiers**

Address	Tax Identification Number	Owner of Record	Approximate Acreage
333 N. Old Woodward Avenue*	08-19-25-376-097	City of Birmingham	3.9 acres

<sup>\*</sup>Note: According to Oakland County Equalization Division, the subject property lacks a legal address.

The subject property has historically been associated with the following addresses:

- 331, 343, 351, 361, and 363 N. Old Woodward (post-1920s);
- 213, 217, 221, 227, and 229 N. Woodard (pre-1920s);
- 190, 244, and 292 Willits (post-1920s);
- 114, 120, and 124 Willetts (1920s);
- 117, 119, and 121 Willetts (c. 1915)
- 205, 206, and 207 Willetts (pre-1910s);



- 247, 248, 251, 263, 264, 266, 275, 276, and 277 N. Bates (post-1920s); and
- 211, 212, 214, 216, 217, 218, and 219 N. Bates (pre-1920s).

Refer to Figure 1, Topographic Location Map; Figure 2, Subject Property Map; and Figure 3, Subject Property Location Map. The legal description of the subject property is presented in Appendix B.

# 3.2 Subject Property and Vicinity Characteristics

The subject property is currently zoned Public Property (PP) and is located in an area of Birmingham that is characterized by commercial and residential properties, a church, surface roadways, municipal sanitary sewer and water, and electric and gas utilities.

# 3.3 Description of Structures and Other Improvements

General information regarding the on-site building is presented in the following table:

# Subject Building: 333 N. Old Woodward Avenue (Parking Deck)

General Construction	Four-story (five-deck) parking deck, concrete and steel frame, masonry exterior, concrete slab on grade foundation, two elevator pits, no basement
Predominant Interior Finish	Concrete floors, walls, ceiling; paint, metal, glass
Square Footage (footprint)	Approximately 40,000 square feet
Construction and Other Improvement Dates	Constructed in 1966
Interior Areas	Four-story parking deck; first-level restroom and second-level fire suppression pump room at northeast tower; first-level elevator pit at southeast tower; first-level elevator pit and storage closet with oil separator at southwest tower; full-height snow chute/first-level empty garage with one overhead door at northwest tower.

The exterior of the subject property consists of asphalt street-level parking areas and wooded areas within the Rouge River floodplain. Block/brick walls and/or fencing surround the street-level parking area. Vehicular access to the subject property is restricted by traffic control gates.

Photographs taken during AKT Peerless' subject property reconnaissance are provided in Appendix C.

# 3.4 Current Use of the Subject Property

The subject property is used for street-level parking and the subject building consists of a four-story parking deck. The subject property is accessible to vehicular traffic by traffic control gates fronting N. Old Woodward Avenue and N. Bates Street. The undeveloped floodplain on the northwestern portion of the subject property is not used for a significant or obvious purpose.



# 3.5 Utilities and Municipal Services

AKT Peerless identified the type and supplier of utilities provided to the subject property. These services are described in the following table:

# **Subject Property Utility Data**

Utility / Service	Туре	Utility Company or Municipality	Comments/Historical Services
Heat	Natural Gas	Consumers Energy	According to Consumers Energy records, natural gas service has been available to the area of the subject property since at least 1949. However, heat appears to be provided to the three stair towers by an electric heating system. Only limited information regarding heating fuel source(s) utilized on-site prior to construction of the subject building was identified.
Potable water	Municipal	City of Birmingham	According to the City of Birmingham, municipal water service was connected to the subject building during construction in 1966. Only limited information regarding potable water sources utilized on-site prior to construction of the subject building was identified.
Electricity	Electric lines/ transformer	DTE Energy	Electricity is connected to the subject property.
Sewage disposal	Municipal	City of Birmingham	According to the City of Birmingham, municipal sanitary sewer service was connected to the subject building during construction in 1966. Only limited information regarding sewage disposal systems utilized on-site prior to the construction of the subject building was identified.
Storm water	Not identified	Not identified	Storm water utilities are available to the subject property.

AKT Peerless' review of readily available standard and other historical sources provided only limited information regarding heating fuel sources associated with the former residential and commercial structures present on the subject property from prior to 1893 up to 1963. The possibility exists that alternative heating fuels (i.e. steam, propane, wood, electric, coal, and/or fuel oil) were used by previous occupants of the subject property prior to the availability of natural gas.

The potential for the past use of fuel oil underground storage tanks (USTs) on the subject property was considered. Based on a review of available information and observations during the completion of this Phase I ESA, AKT Peerless did not identify evidence of fuel oil USTs on the subject property. However, as the available information was not exhaustive, the potential remains for fuel oil USTs associated with historical residential and/or commercial structures to be present at the subject property. In AKT Peerless' opinion, if heating oil containers are identified or encountered during future redevelopment activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations.



AKT Peerless' review of readily available standard and other historical sources provided only limited information regarding water and sanitary sewer utilities associated with the former residential and/or commercial structures present on the subject property from prior to 1893 up to 1963.

According to fire insurance maps, municipal water service has been available to the area of the subject property since at least 1893. Water service connection dates to former residential and/or commercial structures were not identified. The date of installation of the municipal sanitary sewer system was not identified. Sewer service connection dates to former residential and/or commercial structures were also not identified, except for the former dwellings located at 275 and 277 N. Bates Street, which were connected to sanitary sewer service in the early- to mid-1940s. The former dwelling located at 275 N. Bates Street reportedly utilized septic tank(s) and a septic field prior to connection.

Previous residential and/or commercial structures associated with the subject property may therefore have utilized on-site potable water wells or private septic systems. While it is likely these features would have been identified and removed during conversion of the southern portion of the subject property to a surface parking lot, in AKT Peerless' opinion, if drinking water wells or septic systems are identified or encountered during future redevelopment activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations. It is also AKT Peerless' opinion that, given the historical residential and/or commercial use of the subject property, the former use of septic systems does not represent an environmental concern.

# 3.6 Current Uses of the Adjoining Properties

The following table describes the current uses and/or occupants of the adjoining properties, as identified during this Phase I ESA:

# **Adjoining Property Data**

Direction	Address	Current Use / Occupant
North	No address identified	Recreation / Booth Park
Northeast	No address identified	Undeveloped land
	369 N. Old Woodward Avenue	Condominiums / Brookside Residences (under construction)
East	380 N. Old Woodward Avenue	Commercial / Steinhardt Pesick & Cohen, P.C.; The Law Firm of John F. Schaefer
	350 N. Old Woodward Avenue	Commercial / Strength Capital Partners
	344 N. Old Woodward Avenue	Commercial / Morganroth & Morganroth, PLLC
	320 N. Old Woodward Avenue	Commercial / SAIC USA
Southeast	325 N. Old Woodward Avenue and 108-114 Willits Street	Commercial / UBS; Fleming's Prime Steakhouse & Wine Bar; Beal Bank; Poggen Pohl; Centigrade; Tilt; Google Inc.
South	111-117 Willits Street	Commercial / Cameron's Steakhouse; other street level and commercial office space occupants not identified



Direction	Address	Current Use / Occupant
Southwest	336 W. Maple Road	Commercial / McCann Detroit
	300 Willits Street	First Baptist Church
	No address identified	Undeveloped land
West	300 Warren Court	Single-family residential / not identified
Northwest	No address identified	Recreation / Booth Park

# 4.0 Records Review

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify RECs at the subject property and, to the extent identifiable, at surrounding properties.

# 4.1 Physical Setting Sources

AKT Peerless reviewed various available physical setting sources about the geologic, hydrogeologic, hydrologic, and topographic characteristics that may affect potential contaminant migration to the subject property, or within or from the subject property. The results of AKT Peerless' review are presented in the following table:

# **Physical Setting Data**

Physical Setting Information		Data Sources		
	General Topography and Hydrogeology			
Subject Property Elevation	767 feet above the National Geodetic Vertical Datum	United States Geological Survey (USGS) Topographic Map of the		
Topographic Gradient	Slope toward the Rouge River, which transects the northern portion of the subject property	Birmingham, Michigan Quadrangle (1968, photo revised 1981)		
Closest Surface Water  Rouge River, transecting the northern portion of the subject property				
	General Soil and Geology			
Bedrock	Coldwater Shale of an unassigned group, which is included in the Kinderhookian series within the Mississippian system of the Paleozoic Era.	Michigan Department of Natural Resources (MDNR) Geological Survey Division's publication, Bedrock Geology of Southern Michigan (1987)		



1	Physical Setting Information		
Quaternary Soils Description  Lacustrine clay and silt, described as gray to dar reddish brown and varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes Soil thickness ranges from 10 to 30 feet. Typical lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.		MDNR Geological Survey Division's publication, Quaternary Geology of Southern Michigan (1982)	
County Soil Survey Description	Urban land-Marlette-Capac association, described as "urban land and nearly level to hilly, well drained to somewhat poorly drained loamy soils; on till plains and moraines." Photo Sheet 106 of the soil survey depicts the subject property within an area described as "urban land" and "Cohoctah-Fox association."	United States Department of Agriculture (USDA) Soil Conservation Service's (SCS's) publication, Soil Survey of Oakland County, Michigan (1982)	
	Site-Specific Geology and Hydrogeology		
Soil and bedrock characteristics	No site-specific soil or bedrock information was identified.	Not applicable	
Groundwater characteristics	No site-specific groundwater information was identified.	Not applicable	

Based on the information presented above, AKT Peerless infers that groundwater in the vicinity of the subject property flows toward the west, with potential influence from the Rouge River. However, local manmade structures (e.g., buildings, roads, sewer systems, and utility service lines) may influence both surface water and groundwater flow. AKT Peerless was unable to precisely document the groundwater flow direction beneath the subject property. To determine the site-specific groundwater flow direction, subsurface information would be necessary.

AKT Peerless did not identify water supply wells or monitoring wells at the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in the City of Birmingham, which obtains its municipal water from the Great Lakes Water Authority (GLWA) by way of the Southeastern Oakland County Water Authority (SOCWA).

# 4.2 Standard Environmental Record Sources

AKT Peerless retained a third-party vendor to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining these data was to evaluate potential environmental risks associated with the subject property, adjoining properties, and nearby sites that are: (1) identified on target lists, and (2) within varying distances of up to one mile from the subject property. Refer to the database report included as Appendix D for information regarding database descriptions, search radii, and most recent dates the database information was updated by the vendor.



# 4.2.1 Subject Property Listings

The database report does not identify the subject property on the referenced databases.

# 4.2.2 Adjoining Properties

The database report does not identify the adjoining properties on the referenced databases, except for the following:

# **Detail Table for Eastern Adjoining Property (322 N. Old Woodward Avenue)**

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
322 N. Old Woodward Avenue	Comerica Bank Birmingham	Adjoining/east	Inferred west

### **Databases**

# Michigan Inventory of Facilities (Inventory)

This eastern adjoining property is listed on the Inventory database. The Inventory database identifies facilities where state-funded or private response activities have taken place (Part 201 Projects), facilities under Part 213, Leaking Underground Storage Tanks (LUSTs), and facilities identified through submittal of Baseline Environmental Assessments (BEAs) under Part 201 or Part 213 of the Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act 451, 1994, as amended. According to the database report, this eastern adjoining property appears on the Inventory database as a Part 201 Project. No further information was provided.

Regulatory agency records were not identified for the eastern adjoining property. Refer to Sections 4.5.2 and 4.5.3 for additional information pertaining to the eastern adjoining property.

# 4.2.3 Nearby Sites

AKT Peerless' review of the referenced databases also considered the potential or likelihood of contamination from nearby sites. To evaluate which of the nearby sites identified in the database report present an environmental risk to the subject property, AKT Peerless considered the following criteria:

- Type of database on which the site is identified.
- Topographic position of the identified site relative to the subject property.
- Direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- Known or inferred groundwater flow direction in the subject property area.
- Status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those nearby sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing agency file information. Using the above criteria, and based upon a review of readily available information contained within the database report, AKT Peerless did not identify nearby sites that present a potential environmental risk to the subject property.



# 4.3 Regulatory Agency File and Records Review

# 4.3.1 MDEQ Waste Management and Radiological Protection Division (WMRPD)

AKT Peerless submitted a request to the Michigan Department of Environmental Quality (MDEQ) WMRPD to review available file information regarding waste management activities, permits, inspections and violations associated with the subject property and the eastern adjoining property.

AKT Peerless also reviewed the MDEQ Waste Data System (WDS) for information regarding waste disposal operations at the subject property and the eastern adjoining property. The WDS tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

# **Subject Property**

According to MDEQ WMRPD, no file information pertaining to the subject property was identified. In addition, the subject property was not identified on the WDS.

# **Adjoining Properties**

According to MDEQ WMRPD, no file information pertaining to the eastern adjoining property was identified. In addition, the eastern adjoining property was not identified on the WDS.

# 4.3.2 MDEQ Remediation and Redevelopment Division (RRD)

AKT Peerless reviewed the RRD's Perfected Lien List, dated May 4, 2018, to determine if environmental cleanup liens had been filed against the subject property.

AKT Peerless also referenced the MDEQ Storage Tank Information Database (SID) for information regarding the subject property and the eastern adjoining property.

In addition, AKT Peerless submitted a request to MDEQ RRD to review available file information regarding USTs, LUSTs, or other environmental records pertaining to the subject property and the eastern adjoining property.

# **Subject Property**

According to the Perfected Lien List, the MDEQ does not have record of environmental cleanup liens filed against the subject property. In addition, the subject property was not identified on the SID. Furthermore, according to MDEQ RRD, no file information pertaining to the subject property was identified.

### **Adjoining Properties**

The eastern adjoining property was not identified on the MDEQ SID. In addition, according to MDEQ RRD, no file information pertaining to the eastern adjoining property was identified.

# 4.3.3 Michigan Department of Licensing and Regulatory Affairs (LARA)

AKT Peerless reviewed LARA's Active and Closed UST lists and contacted LARA's Storage Tank Division (STD) for records regarding registered storage tanks associated with the subject property and the eastern adjoining property.



# **Subject Property**

No information pertaining to the subject property was identified in LARA's Active or Closed UST lists. In addition, according to LARA STD, no file information pertaining to the subject property was identified.

# **Adjoining Properties**

No information pertaining to the eastern adjoining property was identified on LARA's Active or Closed UST lists. In addition, according to LARA STD, no file information pertaining to the eastern adjoining property was identified.

# 4.3.4 MDEQ Office of Oil, Gas and Minerals (OOGM)

AKT Peerless reviewed the MDEQ's GeoWebFace online geologic mapping program for oil and gas well records associated with the subject property. No oil and gas well records pertaining to the subject property were identified.

# 4.3.5 MDEQ Air Quality Division (AQD)

AKT Peerless contacted MDEQ AQD to review available records regarding environmental information and/or air permits associated with the subject property. According to MDEQ AQD, no file information pertaining to the subject property was identified.

# 4.3.6 MDEQ Water Resources Division (WRD)

AKT Peerless contacted MDEQ WRD to review available records regarding environmental information associated with the subject property. According to MDEQ WRD, no file information pertaining to the subject property was identified.

# 4.4 Additional Environmental Record Sources

# 4.4.1 Local Health Department

AKT Peerless submitted a request to the Oakland County Health Department to review information pertaining to landfilling, dumping, chemical releases, and hazardous waste sites in connection with the subject property, as well as available information regarding wells and/or septic systems associated with the subject property. According to Mr. Richard Peresky, Public Health Senior Sanitarian for the Environmental Health Services Division, no records pertaining to the subject property were identified.

# 4.4.2 Local Fire Department

AKT Peerless submitted a request to the Birmingham Fire Department to review information pertaining to storage tanks, chemical storage, spills/releases, and landfilling/dumping at the subject property.

The Birmingham Fire Department records for the subject property indicate that a fire was set by an arsonist beneath a vehicle parked on the fourth level of the subject building in 1967; the fire was extinguished with carbon dioxide by City staff. In addition, the fire department responded to the subject building in connection with a leaking vehicle fuel tank in 1971; the vehicle was removed from the subject building and the fire department washed down the gasoline that had leaked on to the parking deck with approximately 100 gallons of water. No other information material to identifying RECs in connection with the subject property was identified in the records.



# 4.4.3 Previous Environmental Reports

AKT Peerless was not provided with copies of reports that document previous investigations or assessments of the subject property, nor did AKT Peerless identify the existence of such documents during this assessment.

### 4.5 Historical Use Information

The objective of reviewing historical sources is to: (1) develop a history of previous uses or specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the property's *obvious* first developed use, or back to 1940, whichever is earlier.

# **Historical Summary – Subject Property**

The following table summarizes the general development and use of the subject property, as identified by AKT Peerless based on the referenced data sources:

# **Subject Property Historical Use Summary**

Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1893-1952	Residential and/or commercial structures (up to 12 main structures)	Residential and/or commercial	Unknown / Refer to Section 4.5.3 for a list of occupants	Fire insurance maps Aerial photographs City directories Municipal records
1956-1960	Residential and/or commercial structures (up to three) Parking lot	Residential and/or commercial; parking	Unknown / Refer to Section 4.5.3 for a list of occupants	Fire insurance maps Aerial photographs City directories Municipal records
1963-1965	Parking lot	Parking	Unknown / National Garages Inc.	Aerial photographs City directories Municipal records
1966-2018	Parking deck (subject building); parking lot	Parking	Unknown; City of Birmingham / National Garages Inc.; Municipal Parking	Aerial photographs City directories Municipal records Interviews Site reconnaissance

AKT Peerless was unable to determine the use of the subject property prior to 1893. According to records reviewed during this assessment, the subject property was developed with a portion of a residential structure as of 1893. As such, AKT Peerless was unable to identify the first developed use of the subject property and was therefore unable to achieve the historical research objectives identified in ASTM Practice E 1527 even after reviewing the standard historical sources identified in ASTM Practice E 1527 that were reasonably ascertainable and likely to be useful. AKT Peerless excluded certain standard



historical sources from its review since past experience indicates that such standard historical sources are not likely to be sufficiently useful, accurate, or complete in terms of satisfying the historical research objectives. However, this data failure is not considered likely to have a material impact upon the findings and conclusions of this report due to the residential nature of the first identifiable use of the subject property and, therefore, does not constitute a significant data gap.

# **Historical Summary – Adjoining Properties**

The adjoining properties have included various residential and commercial developments since at least 1893. As discussed in Sections 4.5.2 and 4.5.3, the eastern adjoining property located at 332 N. Old Woodward Avenue was used as a dry-cleaning operation from at least 1944 until at least 1960.

# 4.5.1 Aerial Photographs

AKT Peerless obtained aerial photographs for the subject property from Oakland County Property Gateway and Wayne State University. AKT Peerless' observations noted during the review of these photographs are summarized in the following table. Photocopies of select aerial photographs are presented as Appendix E.

# **Subject Property Aerial Photography Summary**

Photograph Dates	Observations (Subject Property)	Potential Environmental Concerns
1940	The southern portion of the subject property appears to be developed with multiple residential and/or commercial structures; however, due to poor photograph resolution, details regarding these features were not identified. The northwestern portion of the subject property appears to consist of wooded land.	None observed
1949-1952	The southern portion of the subject property appears to be developed with as many as 12 residential and/or commercial structures. The northwestern portion of the subject property appears to consist of wooded land.	None observed
1956	The southern portion of the subject property appears to be developed with up to three residential and/or commercial structures. The remainder of the southern portion of the subject property appears to have been converted to a paved surface parking lot. The northwestern portion of the subject property appears to consist of wooded land.	None observed
1963	The southern portion of the subject property appears to consist of a single paved surface parking lot. The northwestern portion of the subject property appears to consist of wooded land.	None observed



Photograph	Observations	Potential Environmental
Dates	(Subject Property)	Concerns
1974, 1980, 1990, 1997, 2000, 2002, 2005, 2006, 2008, 2010, 2012, 2014, 2015, 2017	The southern portion of the subject property appears to be developed with a parking deck (the subject building) fronting N. Old Woodward Avenue, and a paved surface parking lot covering the remainder of the southern portion of the subject property. The northwestern portion of the subject property appears to consist of wooded land. The subject property, as depicted in the referenced photographs, appears consistent with current conditions, except for the 2005 and 2006 photographs, in which the far southern portion of the subject property appears to be used as a staging area for construction materials and equipment associated with the construction of a commercial office building on the southeastern adjoining property.	None observed

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table.

# **Adjoining Property Aerial Photography Summary**

Photograph Dates	Potential Environmental Concerns (Adjoining Properties)
1940-2017	No obvious evidence or indications of environmental concerns were noted with respect to the adjoining properties and nearby sites during AKT Peerless' review of the referenced aerial photographs.

# 4.5.2 Fire Insurance Maps

AKT Peerless obtained fire insurance maps for the subject property from Environmental Data Resources (EDR). AKT Peerless' observations noted during the review of these maps are summarized in the following table. Photocopies of the referenced maps are presented in Appendix F.

# **Subject Property Fire Insurance Maps Observations**

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
1893, 1900, 1910	The majority of the subject property appears to lie beyond the scope of fire insurance map coverage. However, the far southern portion of the subject property appears to include a portion of a dwelling located on what is now the southeastern adjoining property.	None observed
1915	The majority of the subject property appears to lie beyond the scope of fire insurance map coverage. However, the southern portion of the subject property appears to include two dwellings plus a portion of a dwelling located on what is now the southeastern adjoining property.	None observed



Map Dates	Observations (Subject Property)	Potential Environmental Concerns	
1921	The subject property is depicted as containing portions of up to 14 land parcels and an apparent alley running parallel to N. Woodward Avenue (now N. Old Woodward Avenue). In total, eight dwellings and a portion of a ninth dwelling, along with two detached storage sheds, are depicted on the subject property.	None observed	
1926	The subject property is depicted as containing portions of up to 14 land parcels and an apparent alley running parallel to N. Woodward Avenue (now N. Old Woodward Avenue). In total, eight dwellings and a portion of a ninth dwelling, one store, three flats, two detached storage sheds, and four automobile storage garages are depicted on the subject property. Basements are indicated for the two dwellings fronting Willetts Street (now Willits Street, addresses 244 and 292), first depicted in the 1915 map.	Basements	
1931	The subject property is depicted as containing portions of up to 14 land parcels and an apparent alley running parallel to N. Woodward Avenue (now N. Old Woodward Avenue). In total, five dwellings and a portion of a sixth dwelling, three stores, four flats, one detached storage shed, and eight detached automobile storage garages are depicted on the subject property.	None observed	
1949	The subject property is depicted as containing portions of up to 14 land parcels and an apparent alley running parallel to N. Woodward Avenue (now N. Old Woodward Avenue). In total, six dwellings, one store, a portion of a dwelling/store, five flats, one detached storage shed, and seven detached automobile storage garages are depicted on the subject property.	None observed	
1960	The subject property is depicted as containing portions of up to 14 land parcels and an apparent alley running parallel to Woodward Avenue (now N. Old Woodward Avenue). The southeastern portion of the subject property is depicted as parking, with only one office, one detached automobile storage garage, and one dwelling remaining on the subject property.	None observed	

As indicated in the table above, two former dwellings located along Willits Street were depicted as having basements in the 1926 fire insurance map. These dwellings were not depicted as having basements in other maps in which they were identified. It is possible that other dwellings, flats, or stores formerly located on the subject property may have had basements as well (see also Section 4.5.5). The City of Birmingham does not maintain records pertaining to the fill material that may have been used to fill former basements located on the subject property. The potential use of fill material of unknown origin at the subject property represents an REC in connection with the subject property.



AKT Peerless' review of historical fire insurance maps of the adjoining properties is summarized in the following table:

# **Adjoining Properties Fire Insurance Maps Observations**

Map Dates	Potential Environmental Concerns (Adjoining Properties)
1893-1960	No obvious evidence or indications of RECs or other potential environmental concerns were noted with respect to the adjoining properties during AKT Peerless' review of the referenced maps, except for a dry-cleaning operation depicted on the eastern adjoining property (324-330 N. Old Woodward Avenue).

Refer to Section 4.5.3 for further discussion of the former dry-cleaning operation located on the eastern adjoining property.

# 4.5.3 City Directories

City directories from various years between 1944 through 2014 were reviewed as provided by EDR. The purpose of this review was to determine the past occupancy of the subject property. Directories were reviewed in approximately 5-year intervals, or as available. Directories were searched for the subject property's current address as well as the historical addresses listed in Section 3.1 appropriate for the time interval for which city directories were available. The subject property was identified in city directories for N. Woodward Avenue and not in those for N. Old Woodward Avenue. In the interest of brevity, only those addresses for which listings were identified are summarized in the table below.

# **City Directories Data**

Year	Address	Listing
1944	331 N. Woodward Avenue	Bosworth Geo H
	343 N. Woodward Avenue	Adams Floyd E; Bullick H Paul; Hurd Acel V
	351 N. Woodward Avenue	Johnstone Wilbur U
	361 N. Woodward Avenue	Mudge Electric; Mudge Harry A; Rice Harold M; Stecker Ethel
		B Mrs
	244 Willits Street	Olsen Wm G
	292 Willits Street	Smith Mary Mrs
	247 N. Bates Street	Nelson Jos O Rev
	248 N. Bates Street	Gracey Clayton H; Walton Eug; Bennett Clyde C; Payton Earl G
	251 N. Bates Street	Inkster John
	263 N. Bates Street	Burkman Winnifred Mrs
	264 N. Bates Street	Collins Lester L; Collins Roy E
	266 N. Bates Street	Dolin Mary A Mrs
	275 N. Bates Street	Orth Arth J
1951	331 N. Woodward Avenue	Whitney Silver Shop silversmith; Whitney Wm; Booth Fred jr
	343 N. Woodward Avenue	Bassett Myra H Mrs; Purcell R Cath; Myer Jas J
	351 N. Woodward Avenue	Johnstone Wilbur U
	361 N. Woodward Avenue	Mudge Electric; Mudge Harry A; Meldrum Ethel Mrs; Jelinek
		Cecelia



Year	Address	Listing
	244 Willits Street	Colvin Chesley
	247 N. Bates Street	Kontz Emil Rev
	248 N. Bates Street	Apartments
	251 N. Bates Street	Markhov Gregory
	263 N. Bates Street	Burkman Winnifred Mrs; Johnston Mary E Mrs
	264 N. Bates Street	Rasmussen Clair D
	266 N. Bates Street	Dolin Mary A Mrs
	275 N. Bates Street	Hamilton Allen G
	277 N. Bates Street	Frost Wallace archt
1956	345 N. Woodward Avenue	Park & Shop Serv No 3 auto parking
	351 N. Woodward Avenue	Glover Geo H Inc contrs; Johnstone & Johnstone Inc real est
	361 N. Woodward Avenue	Reynolds Robt; Popplestone Donald; VanHorn Chas J ins;
		Detroit Bldg & Realty Co; VanHorn Chas J Inc real est
	277 N. Bates Street	Frost Wallace archt
1960	345 N. Woodward Avenue	Natl Garages Inc (Park & Shop Serv No 3)
	351 N. Woodward Avenue	Republican Committee of Oakland County; Republican
		Finance Committee of Oakland County; Holmes John E lwyr
	277 N. Bates Street	Frost Wallace archt
1965	345 N. Woodward Avenue	National Garages Inc (Park & Shop Serv No 3)
1970	345 N. Woodward Avenue	National Garages Inc (Park & Shop Service No 5)
1975	345 N. Woodward Avenue	Municipal Parking
1980	345 N. Woodward Avenue	Municipal Parking
1992	333 N. Woodward Avenue	No listing
	345 N. Woodward Avenue	No listing
1995, 2000,	333 N. Woodward Avenue	No listing
2005, 2010,		
2014		

AKT Peerless also reviewed city directories for select adjoining and nearby properties to determine their past occupancy. No obvious or potential environmental concerns associated with historical occupants of the adjoining properties were noted, except for the following:

- 322 N. Woodward Avenue, eastern adjoining property, was listed as Comerica Bank-Detroit in the 1992 directory.
- 332 N. Woodward Avenue, eastern adjoining property, was listed as Beck Cleaners & Dyers Inc and similar in the 1944 through 1960 directories.

As discussed in Section 4.2.2, the eastern adjoining property located at 322 N. Old Woodward Avenue was identified as a Part 201 site in the regulatory database report. Part 201 sites are Michigan sites at which contamination has been identified at concentrations exceeding MDEQ Generic Cleanup Criteria. No further information regarding the Part 201 site status of the eastern adjoining property was identified. Fire insurance maps indicate that the location of Beck Cleaners & Dyers Inc on the eastern adjoining property was used as a dry-cleaning operation from at least 1944 until at least 1960. Historical dry-cleaning operations typically involved the use of petroleum and/or chlorinated solvents. While it could not be determined whether the Part 201 site status of the eastern adjoining property is related to its historical use as a dry cleaner, the eastern adjoining property, in AKT Peerless' opinion, represents an REC in connection with the subject property.



It is important to note that, under Part 201 of the NREPA Section 20126(4)(c), a property owner is not liable for contamination migrating from an off-site source, unless the owner is responsible for an activity causing the release that is the source of the contamination. However, if contamination is identified on the subject property, the subject property owner may be required to comply with certain Due Care obligations pursuant to Section 20107a(1).

# 4.5.4 Assessing Department Records

AKT Peerless reviewed tax assessment records for the subject property provided by the Oakland County Equalization Division. According to the records, the subject property boundaries are the result of split/combinations of multiple parent parcels executed in 1993 and 2005. The City of Birmingham appears to have owned the subject property since 2007. No information material to identifying RECs in connection with the subject property was identified.

# 4.5.5 Building Department Records

AKT Peerless reviewed records pertaining to the subject property from the Birmingham Building and Engineering Departments. Records consisted of various building permits issued in relation to construction, demolition, and utility service connections at the subject property. The following information was identified during a review of the records provided:

- The former dwelling located at 244 Willits Street, wrecked in 1954, reportedly had a basement.
- The former flats located at 248 N. Bates Street, wrecked in 1954, reportedly had a basement.
- The former dwelling located at 275 N. Bates Street reportedly utilized septic tank(s) and septic field as of the early- to mid-1940s, when this dwelling and another dwelling located at 277 N. Bates Street were connected to the municipal sanitary sewer system.

As discussed in Section 4.5.2, the potential use of fill material of unknown origin to backfill former basements at the subject property represents an REC in connection with the subject property. Furthermore, as discussed in Section 3.5, it is likely that historical septic systems were identified and removed during conversion of the southern portion of the subject property to a surface parking lot in the mid-1950s, if septic systems are identified or encountered during future redevelopment activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations. However, given the historical residential and/or commercial use of the subject property, the former use of septic systems does not represent an environmental concern.

# 4.5.6 Recorded Land Title Records

AKT Peerless was provided land title records pertaining to the subject property from the City of Birmingham. Based on a review of the title records, the City has granted easements across portions of the subject property to allow access to an underground parking garage under the commercial building on the southeastern adjoining property and to allow access to the construction site on the northeastern adjoining property. No information material to identifying RECs in connection with the subject property were identified in the title records.

### 4.5.7 Other Historical Information

AKT Peerless did not identify other relevant historical information for the subject property.



# 5.0 Interviews

# 5.1 Interview with Subject Property Owner

AKT Peerless interviewed Ms. Tiffany Gunter, Assistant City Manager for the City of Birmingham, regarding her knowledge of the subject property and provided an owner questionnaire. The owner questionnaire was completed by Mr. Bruce T. Johnson, Building Official for the City of Birmingham. AKT Peerless also interviewed City staff at the subject property for details pertaining to certain features observed at the subject property. No information was reported that would be considered material to identifying RECs in connection with the subject property, except for the presence of two hydraulic elevators and an associated sump pump and oil separator. Refer to Sections 6.3.7 and 6.3.13 for further discussion of these features.

# 5.2 Interview with Key Site Manager

Refer to Section 5.1.

# 5.3 Interview with Subject Property Occupant(s)

Refer to Section 5.1.

# 5.4 Interview(s) with Others

AKT Peerless did not conduct interviews with others during this assessment because the historical use of the subject property has been identified. Furthermore, interviews with the occupants of adjoining and nearby properties were not conducted because the subject property is not considered abandoned, as referenced by ASTM.

# **6.0 Subject Property Reconnaissance**

# 6.1 Methodology and Limiting Conditions

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the periphery of the subject property. In addition, AKT Peerless observed the subject property from all adjacent public thoroughfares. AKT Peerless viewed the subject property following a grid pattern designed to cover representative portions of the subject property.

Mr. Scott Wasielewski of AKT Peerless conducted the subject property reconnaissance on September 25, 2018. AKT Peerless encountered the following project specific facts or conditions that limited our ability to access the subject property:

- Visual observations of the subject building's interior were limited by the presence of parked automobiles. AKT Peerless also did not access the restroom or upper-level storage closets within the subject building during the site reconnaissance.
- Visual observations of the subject building's exterior were limited by the presences of parked automobiles in the street level parking area and by forest vegetation on the floodplain on the northwestern portion of the subject property.



# 6.2 General Subject Property Setting and Operations

The subject property is used for street-level parking and the subject building consists of a four-story parking deck. The subject property is accessible to vehicular traffic by traffic control gates fronting N. Old Woodward Avenue and N. Bates Street. The undeveloped floodplain on the northwestern portion of the subject property is not used for a significant or obvious purpose.

### 6.3 Observations

### 6.3.1 Hazardous Substances and Petroleum Products

AKT Peerless did not observe hazardous substances or petroleum products at the subject property except for the following:

# **Hazardous Substances and Petroleum Products**

Use / Location	Material	Quantity	Observations
Elevators / elevator pits accessible at first levels of southeast and southwest towers of subject building	Hydraulic oil	Reservoir capacities	The hydraulic oil was contained within the elevator equipment reservoirs. No evidence of a release was observed.

### 6.3.2 Hazardous and Non-Hazardous Waste

AKT Peerless did not observe hazardous or non-hazardous waste at the subject property with the exception of general refuse stored within on-site trash bins and dumpsters located within a corral near the northwest exterior corner of the subject building. The general refuse appears to be collected on a regular basis. No evidence of improper waste disposal was observed.

### 6.3.3 Storage Tanks

AKT Peerless did not observe evidence of current or former UST systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

AKT Peerless did not observe evidence of current or former aboveground storage tank (AST) systems (e.g., stands, secondary containments, etc.) at the subject property.

# 6.3.4 Unidentified Substances/Containers

AKT Peerless did not observe evidence of unidentified substances or other suspect containers on the subject property.

### 6.3.5 Potential Polychlorinated Biphenyl (PCB) Containing Electrical Equipment

AKT Peerless inspected the subject property for the presence of liquid-cooled electrical units such as transformers and large capacitors. Such units are notable since they may be potential sources of PCBs. AKT Peerless did not observe suspect PCB-containing electrical equipment at the subject property, except for the following:



# **Potential PCB-Containing Electrical Equipment**

Source Description	Source Location	Responsibility	Observations
One pad-mounted transformer	Southwestern exterior corner of the subject building	DTE Energy	No evidence of a release

AKT Peerless observed one pad-mounted transformer near the southwestern exterior corner of the subject building. The transformer appears to be the responsibility of DTE Energy. In the event of a release incident, DTE Energy will repair the damaged or leaking electrical unit, and return the quality of the affected soil and groundwater, if any, to its pre-release condition. AKT Peerless did not observe evidence or indication of oil stains, leaks, or spills near the transformer.

# 6.3.6 Interior Staining/Corrosion

AKT Peerless did not observe interior staining or corrosion within the subject building, except for some oxidation of iron-containing surfaces in the elevator pit at the southwest tower of the subject building.

## 6.3.7 Drains and Sumps

AKT Peerless did not observe drains or sumps in the subject building, except for multiple roof drains and storm water drains located within the subject building, storm water drains located across the paved surface parking lot, and a sump pump located in the elevator pit at the southwest tower of the subject building. According to City staff, the southwest tower elevator pit is prone to flooding. The roof and storm water drains discharge to a municipal storm water system, while the sump pump discharges to an oil separator located in a storage closet on the first level of the subject building, which then discharges the filtered water to the paved surface cover of the first floor of the parking deck where it is ultimately collected by a storm water drain near the southwest entrance to the parking deck. Refer to Section 6.3.13 for additional information.

# 6.3.8 Discharge Features

Storm water that falls upon the subject property appears to evaporate, be collected from impervious cover into roof/storm water drains located across the subject property, be collected by the sump pump in the elevator pit at the southwest tower of the subject building and ultimately discharged to a storm water drain, percolate directly into the ground, and/or discharge to the Rouge River, which transects the northern portion of the subject property.

# 6.3.9 Pits, Ponds, and Lagoons

AKT Peerless did not observe pits, ponds, or lagoons in connection with waste treatment or waste disposal at the subject property.

# 6.3.10 Solid Waste Dumping/Landfilling

AKT Peerless did not observe evidence of solid waste dumping or landfilling at the subject property.

# 6.3.11 Stained Soil, Stressed Vegetation, Stained Pavement

AKT Peerless did not observe evidence of stained soil, stressed vegetation, or stained pavement at the subject property.



# 6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence or indication of active wells or septic systems at the subject property.

# 6.3.13 Other Observations

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property, except for the following:

### Other Observations

Description	Location	Observed Environmental Concerns
Elevators	First levels of the southeast and southwest towers of the subject building	Two hydraulic elevators are located within the subject building. The hydraulic equipment is located in pits accessible from the first levels of the southeast and southwest towers of the subject building. No evidence of releases was observed within the pits, although the elevator pit in the southwest tower is prone to flooding and has been retrofitted with a sump pump that discharges to an oil separator located in a storage closet on the first level of the subject building. Each elevator is equipped with a leak detection system.
Oil separator	First level storage closet at the southwest tower of the subject building	The oil separator accepts water from the sump pump in the elevator pit at the southwest tower of the subject building. Oil is separated from the water by a sand filter. Filtered water is discharged onto the paved surface cover of the first level of the parking deck and is ultimately collected by a storm drain at the southwest entrance to the subject building. Kone, the elevator service contractor retained by the City of Birmingham, is responsible for the maintenance of the elevators and the oil separator.

The elevator pits are constructed of poured concrete, which appeared to be in good repair. Although no evidence of major releases was identified within either elevator pit, if impacted soils are identified during future redevelopment activities, an environmental consultant should be retained to evaluate the release(s) and characterize the impacted soils to ensure proper management and disposal.

# **6.3.14 Adjoining Properties**

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose an environmental concern to the subject property.

# 6.4 Non-ASTM Scope Considerations

AKT Peerless did not evaluate other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Practice E 1527. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include: asbestos containing materials (ACMs), cultural and historic resources, ecological resources, endangered species, health and safety, high-voltage power lines, indoor air quality, industrial hygiene,



lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold growth, noise pollution, radon, regulatory compliance/non-compliance and/or wetlands.

Users of this document who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM scope issues may contact AKT Peerless to provide these services.

# 7.0 Findings, Opinions, and Conclusions

AKT Peerless has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 of the property located at 333 N. Old Woodward Avenue in Birmingham, Oakland County, Michigan (the subject property). Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. AKT Peerless' findings and opinions with respect to potential RECs are presented throughout this report, including discussion and analysis of potential RECs that, after further consideration and research, were not determined to be RECs, CRECs, or HRECs. Such findings and opinions are discussed in the appropriate sections of this report.

# 7.1 Recognized Environmental Conditions

This assessment has revealed no evidence of known RECs in connection with the subject property, except for the following:

- REC 1 According to fire insurance maps, the subject property formerly included 12 developed lots, in addition to one undeveloped lot, an apparent alley, and a portion of an adjoining developed lot. Between approximately 1915 and 1960, up to 12 residential and/or commercial structures were located entirely on the subject property. Municipal records and fire insurance maps indicate that at least three of these structures, located at 244 and 292 Willits Street and 248 N. Bates Street, may have included basements. The origin of the fill material used to fill basements of former structures at the subject property, if any, prior to conversion of the southern portion of the subject property to a street level parking lot in the mid-1950s to early-1960s is unknown. The unknown origin of such fill material represents an REC.
- REC 2 According to fire insurance maps and city directories, a dry cleaner operated on an eastern adjoining property located at 324-332 N. Old Woodward Avenue from at least 1944 until at least 1960. Historical dry-cleaning operations typically involved the use of petroleum and/or chlorinated solvents. In addition, the eastern adjoining property located at 322 N. Old Woodward Avenue was identified as a Part 201 site in the regulatory database report. Part 201 sites are Michigan sites at which contamination has been identified at concentrations exceeding MDEQ Generic Cleanup Criteria. No further information regarding the Part 201 site status of the eastern adjoining property was identified. The subject property is located at an inferred hydraulically down-gradient position relative to the eastern adjoining property. Therefore, the potential for migration of contamination from the eastern adjoining property toward the subject property represents an REC.

It is important to note that, under Part 201 of the NREPA Section 20126(4)(c), a property owner is not liable for contamination migrating from an off-site source, unless the owner is responsible for an activity causing the release that is the source of the contamination. However, if contamination is identified on the subject property, the subject property owner may be required to comply with certain Due Care obligations pursuant to Section 20107a(1).



Further assessment is warranted to evaluate the nature, extent, magnitude, and materiality of the above-identified RECs.

# 7.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of known CRECs in connection with the subject property.

# 7.3 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of known HRECs in connection with the subject property.

### 7.4 De Minimis Conditions

During the course of Phase I ESAs, AKT Peerless often encounters conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. These conditions are not considered RECs, HRECs, or CRECs, but are defined by ASTM Standard E1527 as *de minimis* conditions. In the interest of brevity, AKT Peerless did not develop a full list of *de minimis* conditions in this section, but rather evaluated and identified these conditions in the appropriate sections of this report.

### 7.5 Areas of Potential Environmental Concern

AKT Peerless did not identify other potential environmental concerns (PECs) in connection with the subject property during the course of this Phase I ESA, except for the following:

- The possibility exists that alternative heating fuels (i.e. steam, propane, wood, electric, coal, and/or fuel oil) were used at former residential and/or commercial structures located on the subject property prior to the availability of natural gas.
  Based on a review of available information and observations during the completion of this Phase I ESA, AKT Peerless did not identify evidence of fuel oil USTs on the subject property. However, as the available information was not exhaustive, the potential remains for fuel oil USTs associated with historical residential and/or commercial structures at the subject property. In AKT Peerless' opinion, if heating oil containers are identified or encountered during future development activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations.
- According to fire insurance maps, municipal water service has been available to the area of the subject property since at least 1893. Water connection dates to former residential and/or commercial structures were not identified. The date of installation of the municipal sanitary sewer system was not identified. Sewer connection dates to former residential and/or commercial structures were also not identified, except for the former dwellings located at 275 and 277 N. Bates Street, which were connected to sanitary sewer service in the early- to mid-1940s. The former dwelling located at 275 N. Bates Street reportedly utilized septic tank(s) and a septic field prior to connection.
  - Previous residential and/or commercial structures associated with the subject property may therefore have utilized on-site potable water wells or private septic systems. While it is likely these features would have been identified and removed during redevelopment of the subject property, in AKT Peerless' opinion, if septic systems or drinking water wells are identified or encountered during future redevelopment activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations.



• The subject building contains two hydraulic elevators. The hydraulic reservoirs for these elevators are located within solid concrete elevator pits accessible to the first level of the parking deck. The reservoirs are connected to a leak detection system and absorbent pads are used to contain minor leaks or spills from the hydraulic equipment.

According to the City of Birmingham, the elevator pit in the southwest tower of the subject building is prone to flooding and has been retrofitted with a sump pump, which collects flood water and discharges flood water to an oil separator located within a storage closet on the first level of the parking deck. Filtered water is then discharged to the paved surface cover of the parking deck and collected by a storm drain located near the southwest entrance to the parking deck.

Although no evidence of major releases was identified within either elevator pit, if impacted soils are identified during future redevelopment activities, an environmental consultant should be retained to evaluate the release(s) and characterize the impacted soils to ensure proper management and disposal.

# 8.0 Deviations

AKT Peerless did not deviate from ASTM Practice E 1527 when performing this Phase I ESA (i.e., no components of that practice were deleted, and no additions to it were made).

# 9.0 Data Gaps

AKT Peerless did not identify or encounter instances of <u>significant</u> data gaps during the course of this Phase I ESA.

# 10.0 Project Resources and References

AKT Peerless referred to the following resources between August 31, 2018 and September 28, 2018 to complete its Phase I ESA:

- USEPA
- USGS
- USDA SCS
- MDEQ
- LARA
- Oakland County Health Department and Equalization Division
- Birmingham Government Sources (building, public works, engineering, fire departments)
- EDR
- Interviews and Questionnaire Responses

Other individuals and resources are cited in the appropriate sections of this report.

# 11.0 Signatures of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based



on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

**DRAFT** 

Scott Wasielewski Senior Environmental Consultant **AKT Peerless** 

Farmington, Michigan Office Phone: 248-615-1333 Fax: 248-615-1334

wasielewskis@aktpeerless.com

DRAFT

Jessica T. Cory

Senior Project Manager – Group Leader

**AKT Peerless** 

Farmington, Michigan Office

Phone: 248-615-1333 Fax: 248-615-1334 coryj@aktpeerless.com





# Scott Wasielewski

# Senior Environmental Consultant

Mr. Wasielewski has more than three years of experience in environmental due diligence, subsurface investigations, environmental construction oversight, and vapor mitigation system installation/inspection, along with knowledge and understanding of many geologic disciplines and processes.

# **EDUCATION**

MS: Environmental Science, 2014 / University of Michigan - Dearborn

BS: Environmental Biology/Microbiology, 2007 / Michigan State University

# **CERTIFICATIONS**

40-Hour Hazardous Waste Operations & Emergency Response / OSHA, 29 CFR 1910.120

2-Hour Asbestos Awareness / EPA, 40 CFR Part 763; OSHA, 29 CFR 1926.1101

Certified Vapor Intrusion Inspector / Land Science Technologies (Geo-Seal®); CETCO® (Liquid Boot®)

# **EXPERIENCE**

# **Senior Environmental Consultant**

AKT Peerless (current)

### **Environmental Consultant**

AKT Peerless (2013-2017)

# SKILLS

- Phase I and Phase II Environmental Site Assessments
- Baseline Environmental Assessments
- Inspection of vapor intrusion mitigation system installations and associated system monitoring and testing in residential and commercial settings
- Quarterly groundwater monitoring in active industrial setting
- Academic background in aqueous geochemistry, glacial geology, contaminant hydrogeology, and groundwater modeling; research background in environmental monitoring of heavy metals associated with urban land use in lake sediments and shallow groundwater



# Jessica T. Cory

# Senior Project Manager / Group Leader

Ms. Cory has over 13 years of professional consulting experience focusing on environmental investigations and federal environmental grant programs.

# **EDUCATION**

BS: Environmental Studies and Applications, 2003 / Michigan State University, East Lansing, MI

# **CERTIFICATIONS**

Michigan Asbestos Inspector / Accreditation Number A34295

Hazardous Waste Operations Training / OSHA 29 CFR 1910.120- 40-Hour

**AHERA Asbestos Inspector Course** 

**AHERA Asbestos Management Planner Course** 

# **EXPERIENCE**

# Senior Project Manager/Group Leader

AKT Peerless Environmental Services (current)

# **Project Scientist**

Innovative Environmental Solutions, Inc.

# **SKILLS**

Part 201 environmental due diligence, including Phase I Environmental Site Assessments (ESAs), Phase II Subsurface Investigations, Baseline Environmental Assessments (BEAs), and Due Care Evaluations

Evaluating the potential environmental risk at commercial, industrial, and residential property

Coordination and technical oversight of environmental assessments

Management of federal environmental grant programs

Liaison with regulatory agencies

Asbestos and hazardous material building inspections

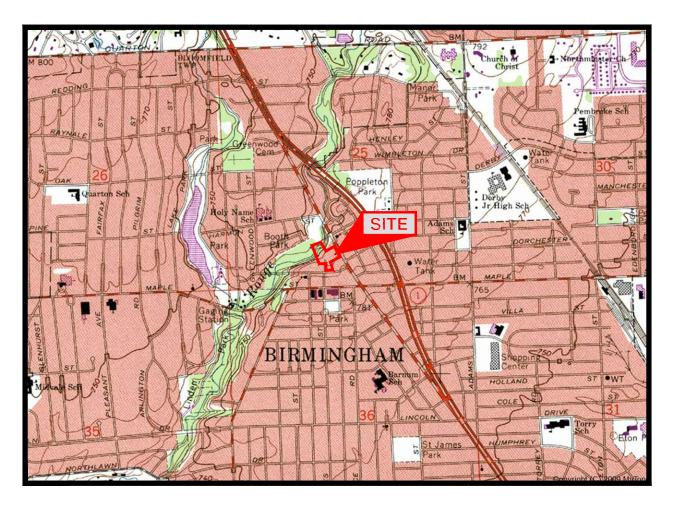






# **BIRMINGHAM QUADRANGLE**

MICHIGAN - OAKLAND COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.2 N.-R.10 E.

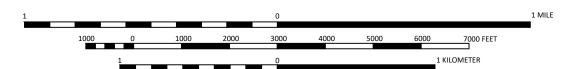


IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP PHOTOREVISED 1981





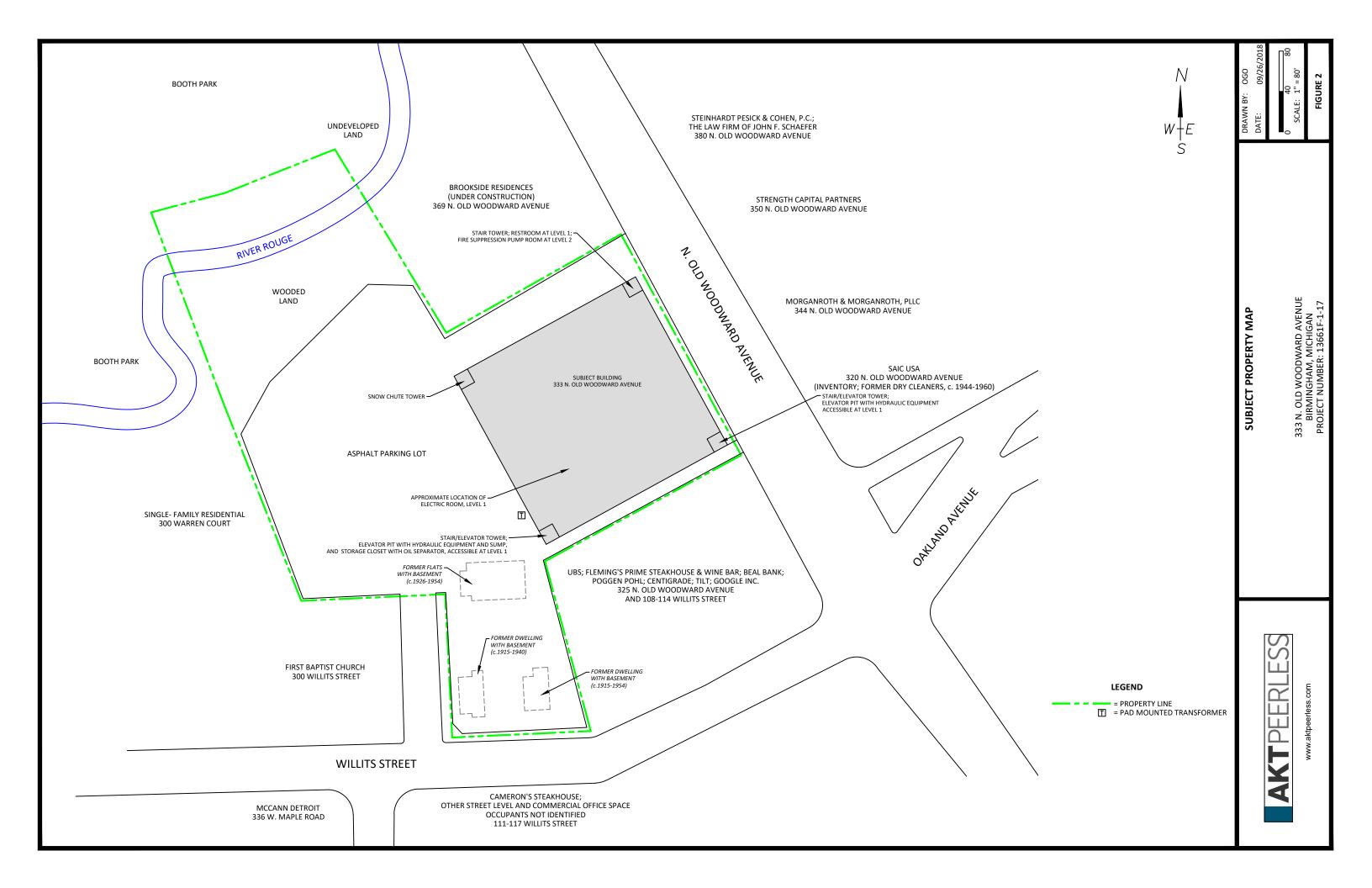
www.aktpeerless.com

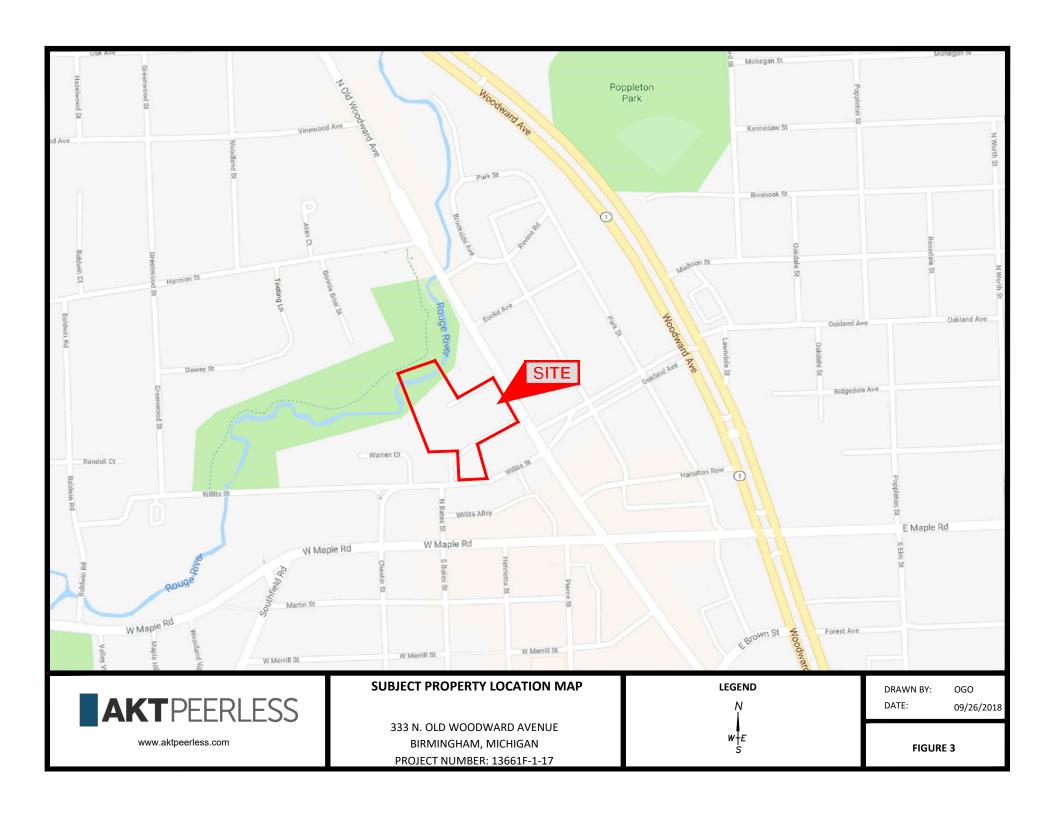
**TOPOGRAPHIC LOCATION MAP** 

333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN PROJECT NUMBER: 13661F-1-17 DRAWN BY: OGO

DATE: 09/26/2018

FIGURE 1







# Appendix A General Limitations and Exceptions



# **General Limitations and Exceptions**

Subject to the proposal, scope-of-services, and the related terms and conditions referenced in Section 1.0 of this Phase I ESA, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

Although AKT Peerless believes that the findings, opinions, and recommendations contained herein are reliable and appropriate, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive, or that the information obtained from any data sources is complete or accurate.

Along with the inherent limitations set forth in various sections of ASTM Standard Practice E 1527-13 (ASTM Practice E 1527), the accuracy and completeness of this report may be limited by the following facts or conditions:

- Due to the poor scale of the historical aerial photographs, the presence or absence of small features (e.g., individual drums, fuel dispensers) could not be discerned reliably.
- The poor resolution and/or illegibility of fire insurance map documentation provided to AKT Peerless may have limited accurate interpretation of the historical uses of the subject and adjoining properties.
- AKT Peerless made reasonable efforts to determine if USTs or related equipment (collectively referred to as UST systems) are or have been present at the subject property. AKT Peerless defines reasonable efforts as obtaining and evaluating information from visual observations of unobstructed areas and from the secondary sources cited in this report. AKT Peerless recognizes, and suggests users of this assessment acknowledge, that the accuracy of our conclusions relative to the on-site presence or use of UST systems may be directly affected by the presence of physical obstructions at the time of the reconnaissance, or affected by our receipt and evaluation of incorrect information.
- AKT Peerless' evaluation of soil and groundwater features at and near the subject property was based only on published maps and other readily available information. AKT Peerless used this information to assess soil types and groundwater flow directions to determine if conditions at any nearby sites present an environmental threat to the subject property.
- Unless specifically noted otherwise, invasive investigation of any kind has not been performed during this Phase I ESA, nor has observation under floors, above ceilings, behind walls, within the surface and subsurface soil, within groundwater, within confined spaces, roof tops, or inaccessible areas been performed.
- AKT Peerless did not conduct sampling or analysis of air, soil, groundwater, soil gas, surface water, or building materials as part of this Phase I ESA, unless specifically noted otherwise.
- This Phase I ESA did not include a physical inspection of the adjoining properties, which AKT
   Peerless observed from the subject property and from readily accessible public rights-of-way.
- Client understands that in the event AKT Peerless determines a regulatory agency file review is
  necessary for the subject, adjoining, and nearby properties, and such files are not reasonably
  ascertainable as defined under ASTM Practice E 1527, that at an additional cost, the Client may
  elect to retain AKT Peerless for additional tasks to attempt to secure such regulatory agency files
  or seek information from alternative sources.
- Client understands that a *User* seeking to qualify for an LLP to CERCLA liability has specific obligations for completing a successful application of this Phase I ESA. AKT Peerless' scope of



- work does not include an evaluation or completion of these specific user obligations under ASTM Practice E 1527.
- AKT Peerless' scope of services did not include conducting a review of property title
  documentation. AKT Peerless requested property title documentation and environmental
  cleanup liens from the Client, but was not provided this information, unless specifically noted
  otherwise.
- Unless specifically noted, this assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems, that may be associated with the subject property. Furthermore, this Phase I ESA does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this Phase I ESA. Users should also be aware that there are likely to be other legal obligations.
- Unless specifically noted, this Phase I ESA did not include any investigation or evaluation of
  issues not specifically related to petroleum products or hazardous substances as defined in
  CERCLA (i.e., other areas of potential business environmental risk such as radon, lead in drinking
  water, etc.).
- The information and opinions contained in the report are given in light of this assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed-upon by the parties and as limited therein.
- Although AKT Peerless believes the results contained in herein are reliable, AKT Peerless cannot
  warrant or guarantee that the information provided is exhaustive, or that the information
  provided by the Client, individuals, regulatory agency representatives, environmental database
  vendors, third parties, or the secondary information sources cited in this report is complete or
  accurate.
- AKT Peerless is not in a position to provide an opinion regarding the Fair Market Value of the subject property. Therefore, a comparison of the purchase price of the subject property to other similar real estate transactions was not conducted during this assessment.
- Nothing in this report constitutes a legal opinion or legal advice. Furthermore, AKT Peerless'
  Phase I ESA is not intended to provide legal advice or guidance to qualify for Landowner Liability
  Protections (LLPs) to CERCLA liability. AKT Peerless recommends Client seek legal counsel and
  advice to evaluate and determine the requirements to qualify for an LLP to CERCLA liability.
- AKT Peerless relied upon specific or common knowledge of the Client, or information provided
  to the Client, to identify environmental liens, institutional controls, activity use limitations, or
  property valuation issues. As possible within the time frame and cost of this project, AKT
  Peerless looked for any obvious environmental information regarding these issues made readily
  available during the course of this ESA.
- Environmental conditions and regulations are subject to constant change and reinterpretation.
  One should not assume that any on-site conditions and/or regulatory statutes or rules will
  remain constant in the future, after AKT Peerless has completed the scope of work for this
  project. Furthermore, because of the facts stated in this report are subject to professional
  interpretation, differing conclusions could be reached by other professionals.
- The information and opinions presented in this report are for the exclusive use of the Client. No
  distribution to or reliance by other parties may occur without the express written permission of
  AKT Peerless. AKT Peerless will not distribute this report without written consent from the
  Client, or as required by law or by a Court order.



- Any third parties to whom the right to rely on the contents of this report have been granted by AKT Peerless, which is explicitly required prior to any third-party release, expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and the Client.
- Any reports, field data, field notes, laboratory testing, calculations, estimates or other
  documents prepared by or relied upon by AKT Peerless are the property of AKT Peerless. If any
  of these documents are released or obtained by a party other than the client, AKT Peerless may
  not discuss the project with that party unless the original contracted client notifies AKT Peerless
  of the same and AKT Peerless is authorized to disclose the information and to discuss the project
  with others. AKT Peerless further states that it disclaims any duty of any kind or nature to any
  person or entity other than the client in preparing this report, except as otherwise agreed with
  the Client.





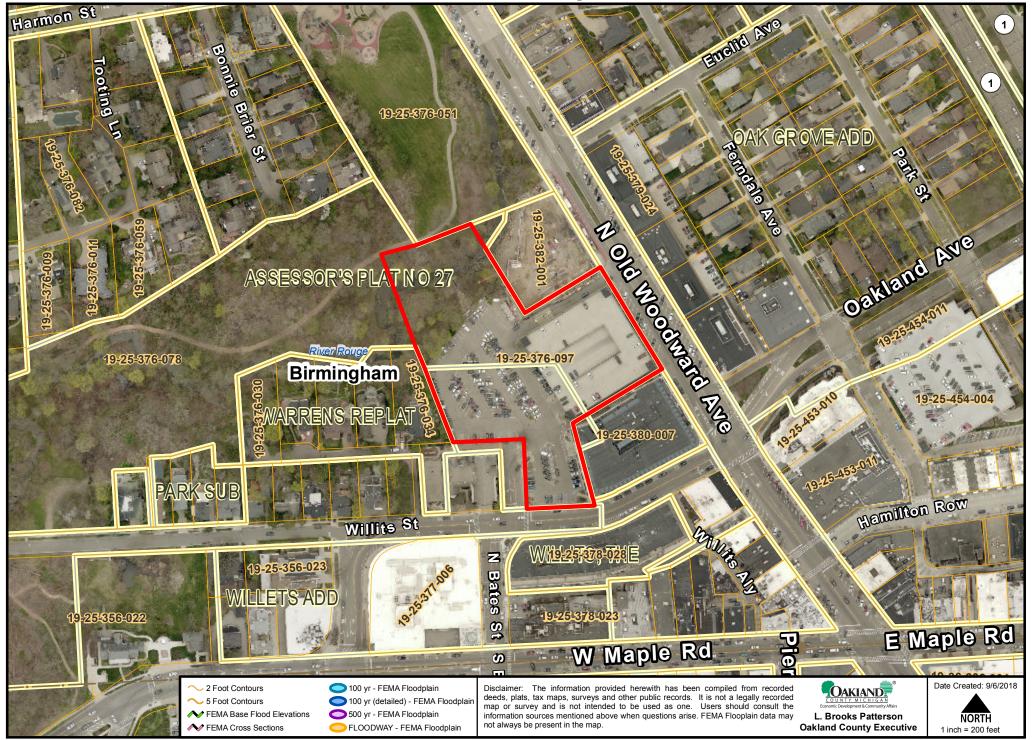
# Appendix B Property Description and Parcel Map

#### **EXHIBIT "A"**

The land referred to in this search is described as follows: City of Birmingham, County of Oakland, State of Michigan

Lots 1 through 8 inclusive, of Schlaack Subdivision as recorded in Liber 8, Page 8 of Plats, Oakland County Records, EXCEPT that part of Lots 3 and 4 beginning at the most Easterly corner of Lot 3; thence South 67 degrees 34 minutes 20 seconds West 50.53 feet; thence North 14 degrees 06 minutes 00 seconds West 50.32 feet; thence North 59 degrees 26 minutes 20 seconds East to the East line of Lot 4; thence Southeasterly along said line to beginning, ALSO EXCEPT the South 24 feet of Lot 8, ALSO that part of vacated Bates Street adjacent to said Lots, and Part of Lot 10, Assessor's Plat No. 27, as recorded in Liber 6, Page 46 of Plats, Oakland County Records described as beginning at the Northwest Lot corner; thence Northeasterly 64.11 feet along the North Lot line; thence South 59 degrees 26 minutes 20 seconds West to the West Lot line; thence Northwesterly to beginning, ALSO all of Lots 11 through 15 inclusive, ALSO Lot 16 EXCEPT the North 40 feet thereof, ALSO All of Lot 19, ALSO EXCEPT part of Lots 3 and 4 of Schlaack Subdivision as recorded in Liber 8, Page 8 of Plats, Oakland County Records, and Part of Lots 10 and 11 of Assessor's Plat No 27, as recorded in Liber 6, Page 46 of Plats, Oakland County Records in parcel described as beginning at a point distant South 63 degrees 11 minutes 50 seconds West 16.85 feet from the Southeast corner of said Lot 11; thence South 63 degrees 11 minutes 50 seconds West 103.15 feet; thence South 59 degrees 26 minutes 20 seconds West 99.61 feet; thence North 14 degrees 06 minutes 00 seconds West 6.42 feet; thence North 59 degrees 26 minutes 20 seconds East 217.53 feet; thence South 30 degrees 33 minutes 40 seconds East 4.01 feet; thence South 63 degrees 11 minutes 50 seconds West 16.19 feet; thence South 26 degrees 48 minutes 10 seconds East 10 feet to the point of beginning, ALSO EXCEPT that part of Lot 11 of Assessor's Plat No. 27, as recorded in Liber 6, Page 46, of Plats, Oakland County Records, described as beginning at the Southeast Lot corner; thence South 63 degrees 11 minutes 50 seconds West 16.85 feet; thence North 26 degrees 48 minutes 10 seconds West 10 feet; thence North 63 degrees 11 minutes 50 seconds East 16.19 feet; thence South 30 degrees 33 minutes 40 seconds East 10 feet to the point of beginning.

# **Parcel Map**





# Appendix C Reconnaissance Photographs



**VIEW OF SUBJECT PROPERTY FACING NORTH** 



**VIEW OF SUBJECT PROPERTY FACING EAST** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF SUBJECT PROPERTY FACING SOUTH** 



VIEW OF NORTHWESTERN PORTION OF SUBJECT PROPERTY AND TRANSECTING ROUGE RIVER



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF SUBJECT BUILDING FACING NORTH** 



**VIEW OF SUBJECT BUILDING FACING EAST** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



VIEW OF SUBJECT BUILDING FACING SOUTH (INCLUDING SNOW CHUTE OVERHEAD DOOR AT RIGHT)



**VIEW OF SUBJECT BUILDING FACING WEST** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



TYPICAL VIEW OF FIFTH DECK OF SUBJECT BUILDING



TYPICAL VIEW OF STAIR / ELEVATOR TOWER AT FIFTH DECK OF SUBJECT BUILDING



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



TYPICAL VIEW OF MID-LEVEL DECK OF SUBJECT BUILDING



TYPICAL VIEW OF ELEVATOR IN SUBJECT BUILDING



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



VIEW OF ELEVATOR HYDRAULIC EQUIPMENT AND SUMP PUMP (LOWER LEFT) IN SOUTHWEST TOWER OF SUBJECT BUILDING



VIEW OF FIRE SUPPRESSION PUMP ROOM, SECOND FLOOR OF NORTHEAST TOWER



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF NORTHERN ADJOINING PROPERTY (BOOTH PARK)** 



VIEW OF NORTHEASTERN ADJOINING PROPERTY (UNDEVELOPED LAND, NO ADDRESS IDENTIFIED)



PROPERTY PHOTOGRAPHS

333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF NORTHEASTERN ADJOINING PROPERTY (369 N. OLD WOODWARD AVENUE)** 



**VIEW OF EASTERN ADJOINING PROPERTY (380 N. OLD WOODWARD AVENUE)** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



VIEW OF EASTERN ADJOINING PROPERTIES (350 AND 344 N. OLD WOODWARD AVENUE)



**VIEW OF EASTERN ADJOINING PROPERTY (320 N. OLD WOODWARD AVENUE)** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



VIEW OF SOUTHEASTERN ADJOINING PROPERTY (325 N. OLD WOODWARD AVENUE AND 108-114 WILLITS STREET)



**VIEW OF SOUTHERN ADJOINING PROPERTY (111-117 WILLITS STREET)** 



PROPERTY PHOTOGRAPHS

333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF SOUTHWESTERN ADJOINING PROPERTY (300 WILLITS STREET)** 



**VIEW OF WESTERN ADJOINING PROPERTY (300 WARREN COURT)** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



**VIEW OF NORTHWESTERN ADJOINING PROPERTY (BOOTH PARK)** 



333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN

TAKEN BY: S. WASIELEWSKI DATE: 9/25/2018



# Appendix D Standard Environmental Record Database Report

**333 N. Old Woodward Avenue** 333 N. Old Woodward Avenue Birmingham, MI 48009

Inquiry Number: 5415516.2s

September 06, 2018

# **EDR Summary Radius Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

#### **TABLE OF CONTENTS**

SECTION	PAGE
Executive Summary	ES1
Overview Map.	<b>2</b>
Detail Map.	<b>.</b> 3
Map Findings Summary.	<b>4</b>
Map Findings.	
Orphan Summary.	173
Government Records Searched/Data Currency Tracking.	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map.	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

333 N. OLD WOODWARD AVENUE BIRMINGHAM, MI 48009

#### **COORDINATES**

Latitude (North): 42.5483340 - 42° 32' 54.00" Longitude (West): 83.2168400 - 83° 13' 0.62"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 317982.2 UTM Y (Meters): 4712827.5

Elevation: 767 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TF

Source: U.S. Geological Survey

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140721, 20140628

Source: USDA

#### MAPPED SITES SUMMARY

Target Property Address: 333 N. OLD WOODWARD AVENUE BIRMINGHAM, MI 48009

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	COMERICA BANK BIRMIN	322 N. OLD WOODWARD	INVENTORY	Higher	153, 0.029, East
A2	HOLLYWOOD SHERIDAN A	185 OAKLAND AVE	RCRA NonGen / NLR	Higher	273, 0.052, ENE
A3	JFK INVESTMENT COMPA	280 N OLD WOODWARD A	RCRA-CESQG, FINDS, ECHO	Higher	319, 0.060, ESE
4	FIRST CHURCH OF CHRI	191 N. CHESTER ST.	INVENTORY	Higher	422, 0.080, SW
B5	MICHIGAN BELL TELEPH	155 HENRIETTA ST	RCRA-CESQG, FINDS, ECHO	Higher	528, 0.100, SSE
B6	BIRMINGHAM CO (M5711	155 HENRIETTA ST	UST	Higher	528, 0.100, SSE
B7	CENTURION CARPET & U	155 HENRIETTA ST	EDR Hist Cleaner	Higher	528, 0.100, SSE
C8	ISADORE FRANK M	511 N WOODWARD AVE	EDR Hist Auto	Lower	614, 0.116, NNW
B9	165 - 217 PIERCE STR	165 - 217 PIERCE STR	INVENTORY	Higher	630, 0.119, SSE
C10	DAKOTA	280 HARMON ST	RCRA NonGen / NLR	Lower	656, 0.124, NNW
D11	FULLER CENTRAL PARK	111 S OLD WOODWARD	RCRA-CESQG, FINDS, ECHO	Higher	726, 0.138, SE
E12	ERIC GHEEN	272 RAVINE RD	RCRA NonGen / NLR	Lower	735, 0.139, NNE
E13	ERIC GHEEN	272 RAVINE RD	INVENTORY, WDS	Lower	735, 0.139, NNE
14	CENTRAL PARKING SYST	180 CHESTER ST	RCRA-CESQG	Higher	759, 0.144, SW
F15	BALDWIN HOUSE	200 CHESTER ST	RCRA-CESQG	Higher	850, 0.161, SSW
F16	PROPOSED BALDWIN HOU	200 CHESTER ST	LUST, UST, WDS	Higher	850, 0.161, SSW
D17	BIRMINGHAM CAMERA SH	168 S OLD WOODWARD A	RCRA NonGen / NLR, FINDS, ECHO	Higher	863, 0.163, SE
18	BURTON KATZMAN	336 E MAPLE RD	RCRA NonGen / NLR	Higher	1015, 0.192, ESE
19	BIRMINGHAM PUBLIC SC	550 W MERRILL	LUST, INVENTORY	Higher	1112, 0.211, SSW
G20	SUNOCO SERVICE STATI	35001 WOODWARD AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1139, 0.216, ESE
G21	SUNOCO #0008-4178	35001 WOODWARD AVE	LUST, UST, INVENTORY, BEA, WDS	Higher	1139, 0.216, ESE
H22	UPTOWN ENTERTAINMENT	211 S OLD WOODWARD A	RCRA NonGen / NLR	Higher	1191, 0.226, SE
H23	ESSCO OF BIRMINGHAM	255 S OLD WOODWARD A	RCRA-CESQG	Higher	1230, 0.233, SE
G24	CATALYST DEVELOPMENT	34977 WOODWARD AVENU	INVENTORY	Higher	1254, 0.237, ESE
G25	CATALYST DEVELOPMENT	34977 WOODWARD AVE	AUL, SPILLS, BEA, WDS	Higher	1285, 0.243, ESE
G26	CATALYST DEVELOPMENT	34977 WOODWARD AVE	RCRA-CESQG, FINDS, ECHO	Higher	1285, 0.243, ESE
G27	SHELL - HUNTER	34977 WOODWARD AVE	LUST, UST, INVENTORY	Higher	1285, 0.243, ESE
128	34965 WOODWARD AVENU	34965 WOODWARD AVENU	INVENTORY	Higher	1382, 0.262, ESE
29	BROWN STREET OFFICE	200 EAST BROWN	BEA	Higher	1450, 0.275, SSE
J30	FLS PROPERTIES #5 LL	856 N. OLD WOODWARD	INVENTORY, WDS	Lower	1492, 0.283, NNW
J31	CHINESE RESTAURANT	856 NORTH OLD WOODWA	BEA	Lower	1492, 0.283, NNW
132	WOODWARD BROWN ASSOC	34901 WOODWARD AVENU	INVENTORY	Higher	1504, 0.285, ESE
133	WOODWARD BROWN ASSOC	34901 WOODWARD	INVENTORY	Higher	1524, 0.289, ESE
134	WOODWARD BROWN ASSOC	34901 WOODWARD AVENU	BEA	Higher	1524, 0.289, ESE
135	WEISS SAMONA	34901 WOODWARD AVENU	US BROWNFIELDS, FINDS	Higher	1524, 0.289, ESE
36	JAX KAR WASH #048	34745 WOODWARD AVE	LUST, UST, INVENTORY, BEA, WDS	Higher	1624, 0.308, SE
J37	AMOCO STATION #5791	35975 WOODWARD AVENU	INVENTORY	Lower	1646, 0.312, NNW
J38	SIMON LAND DEVELOPME	35975 WOODWARD AVE	LUST, UST, AUL, INVENTORY, BEA, WDS	Lower	1672, 0.317, NNW
J39	AMOCO #5791	35975 WOODWARD	INVENTORY	Lower	1672, 0.317, NNW

#### MAPPED SITES SUMMARY

Target Property Address: 333 N. OLD WOODWARD AVENUE BIRMINGHAM, MI 48009

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	AMOCO #5791 (FORMER)	35975 WOODWARD AVENU	INVENTORY	Lower	1672, 0.317, NNW
K41	GREEN'S ART SUPPLY	400 SOUTH OLD WOODWA	US BROWNFIELDS	Higher	1763, 0.334, SE
K42	GREEN'S ART SUPPLY	400 SOUTH OLD WOODWA	INVENTORY	Higher	1763, 0.334, SE
K43	ESTATE MOTORS	464 S WOODWARD AVE	LUST, UST	Lower	1907, 0.361, SE
L44	SPEEDWAY LLC	34750 WOODWARD AVE	RCRA-CESQG, LUST, UST, INVENTORY, FINDS, ECHO	Higher	1954, 0.370, ESE
45	GHAFARI PROPERTIES I	36101 WOODWARD AVE	LUST, UST, AUL, INVENTORY, Financial Assurance	Lower	1959, 0.371, NNW
L46	MALLY, C . LANE PROP	575 SOUTH HUNTER BLV	BEA	Lower	2079, 0.394, ESE
M47	HAMILTON FUNERAL HOM	820 EAST MAPLE ROAD	INVENTORY, BEA	Higher	2080, 0.394, ESE
L48	CARMAN TILLARD	910 N HUNTER BLVD	LUST, UST	Lower	2157, 0.409, ESE
M49	ELMWOOD PROPERTIES I	920-970 EAST MAPLE R	BEA	Higher	2281, 0.432, ESE
N50	PARKING LOT (DIETZ C	985 E MAPLE RD	INVENTORY, BEA	Higher	2344, 0.444, East
N51	PARKING LOT (DIETZ C	985 E MAPLE RD	LUST, UST	Higher	2344, 0.444, East
N52	OSOS TONTOS LLC	985 EAST MAPLE	BEA	Higher	2377, 0.450, ESE
O53	GOLLING MOTORS, INC.	34500 WOODWARD AVENU	INVENTORY, BEA	Lower	2479, 0.470, SE
O54	GOLLING MOTORS, INC.	34500 WOODWARD AVENU	INVENTORY	Lower	2479, 0.470, SE
55	MAPLE GAS INC	1065 W MAPLE RD	LUST, UST, AUL, INVENTORY, Financial Assurance	Lower	2483, 0.470, WSW
N56	BUDGET RENT-A-CAR	1000 E MAPLE RD	LUST, UST, INVENTORY, WDS	Lower	2495, 0.473, ESE

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal RCRA generators list

RCRA-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 7 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JFK INVESTMENT COMPA EPA ID:: MIK244262911	280 N OLD WOODWARD A	ESE 0 - 1/8 (0.060 mi.)	A3	8
MICHIGAN BELL TELEPH EPA ID:: MIT270013519	155 HENRIETTA ST	SSE 0 - 1/8 (0.100 mi.)	B5	9
FULLER CENTRAL PARK EPA ID:: MIK478599987	111 S OLD WOODWARD	SE 1/8 - 1/4 (0.138 mi.)	D11	10
CENTRAL PARKING SYST EPA ID:: MIK937473619	180 CHESTER ST	SW 1/8 - 1/4 (0.144 mi.)	14	11
BALDWIN HOUSE EPA ID:: MIK756294448	200 CHESTER ST	SSW 1/8 - 1/4 (0.161 mi.)	F15	11
ESSCO OF BIRMINGHAM EPA ID:: MIK656803600	255 S OLD WOODWARD A	SE 1/8 - 1/4 (0.233 mi.)	H23	13
CATALYST DEVELOPMENT EPA ID:: MIR000044230	34977 WOODWARD AVE	ESE 1/8 - 1/4 (0.243 mi.)	G26	14

#### State and tribal leaking storage tank lists

LUST: A review of the LUST list, as provided by EDR, and dated 05/03/2018 has revealed that there are

13 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED BALDWIN HOU  Release Status: Closed Substance Release: Heating Oil Facility Id: 00037464	200 CHESTER ST	SSW 1/8 - 1/4 (0.161 mi.)	F16	11
BIRMINGHAM PUBLIC SC Release Status: Open Facility Id: 50000584	550 W MERRILL	SSW 1/8 - 1/4 (0.211 mi.)	19	12
SUNOCO #0008-4178  Release Status: Closed  Substance Release: Unknown Facility Id: 00005935	35001 WOODWARD AVE	ESE 1/8 - 1/4 (0.216 mi.)	G21	13
SHELL - HUNTER Release Status: Closed Release Status: Open Substance Release: Unknown,Unknown Substance Release: Gasoline Substance Release: Used Oil Facility Id: 00002267	34977 WOODWARD AVE	ESE 1/8 - 1/4 (0.243 mi.)	G27	14
JAX KAR WASH #048  Release Status: Open Substance Release: Unknown Facility Id: 00001952	34745 WOODWARD AVE	SE 1/4 - 1/2 (0.308 mi.)	36	16
SPEEDWAY LLC Release Status: Closed Release Status: Open Substance Release: Unknown Substance Release: Gasoline,Gasoline,Facility Id: 00016370	34750 WOODWARD AVE Gasoline,Diesel	ESE 1/4 - 1/2 (0.370 mi.)	L44	19
PARKING LOT (DIETZ C Release Status: Open Substance Release: Unknown Facility Id: 50002129	985 E MAPLE RD	E 1/4 - 1/2 (0.444 mi.)	N51	21
Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMON LAND DEVELOPME Release Status: Open Facility Id: 00005681	35975 WOODWARD AVE	NNW 1/4 - 1/2 (0.317 mi.)	J38	17
ESTATE MOTORS Release Status: Closed Substance Release: Gasoline Substance Release: Unknown Facility Id: 00015180	464 S WOODWARD AVE	SE 1/4 - 1/2 (0.361 mi.)	K43	18
GHAFARI PROPERTIES I  Release Status: Closed  Substance Release: Gasoline,Gasoline,Facility Id: 00034940	36101 WOODWARD AVE Gasoline,Gasoline	NNW 1/4 - 1/2 (0.371 mi.)	45	19
CARMAN TILLARD Release Status: Closed	910 N HUNTER BLVD	ESE 1/4 - 1/2 (0.409 mi.)	L48	20

Facility Id: 50001216

MAPLE GAS INC 1065 W MAPLE RD WSW 1/4 - 1/2 (0.470 mi.) 55 22

Release Status: Closed

Substance Release: Used Oil, Gasoline

Substance Release: Gasoline, Gasoline, Gasoline, Used Oil

Substance Release: Unknown

Facility Id: 00016689

BUDGET RENT-A-CAR 1000 E MAPLE RD ESE 1/4 - 1/2 (0.473 mi.) N56 22

Release Status: Open Facility Id: 00007720

Facility Id: 00002267

#### State and tribal registered storage tank lists

UST: A review of the UST list, as provided by EDR, has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
BIRMINGHAM CO (M5711 Database: UST, Date of Government Vertank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00011669	155 HENRIETTA ST ersion: 09/13/2017	SSE 0 - 1/8 (0.100 mi.)	B6	9
PROPOSED BALDWIN HOU  Database: UST, Date of Government Vertank Status: Closed in Ground Facility Type: CLOSED Facility Id: 00037464	<b>200 CHESTER ST</b> ersion: 09/13/2017	SSW 1/8 - 1/4 (0.161 mi.)	F16	11
SUNOCO #0008-4178  Database: UST, Date of Government Verank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00005935	<b>35001 WOODWARD AVE</b> ersion: 09/13/2017	ESE 1/8 - 1/4 (0.216 mi.)	G21	13
SHELL - HUNTER  Database: UST, Date of Government Vertank Status: Removed from Ground Facility Type: CLOSED	<b>34977 WOODWARD AVE</b> ersion: 09/13/2017	ESE 1/8 - 1/4 (0.243 mi.)	G27	14

#### State and tribal institutional control / engineering control registries

AUL: A review of the AUL list, as provided by EDR, and dated 05/25/2018 has revealed that there are 4 AUL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CATALYST DEVELOPMENT	34977 WOODWARD AVE	ESE 1/8 - 1/4 (0.243 mi.)	G25	14

Facility ID: 00002267

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMON LAND DEVELOPME Facility ID: 00005681	35975 WOODWARD AVE	NNW 1/4 - 1/2 (0.317 mi.)	J38	17
GHAFARI PROPERTIES I Facility ID: 00034940	36101 WOODWARD AVE	NNW 1/4 - 1/2 (0.371 mi.)	45	19
MAPLE GAS INC Facility ID: 00016689	1065 W MAPLE RD	WSW 1/4 - 1/2 (0.470 mi.)	55	22

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/19/2018 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<b>Equal/Higher Elevation</b>	Address	Direction / Distance	Map ID	Page
WEISS SAMONA ACRES property ID: 115761	34901 WOODWARD AVENU	ESE 1/4 - 1/2 (0.289 mi.)	135	16
GREEN'S ART SUPPLY ACRES property ID: 170095	400 SOUTH OLD WOODWA	SE 1/4 - 1/2 (0.334 mi.)	K41	18

#### Local Lists of Hazardous waste / Contaminated Sites

INVENTORY: A review of the INVENTORY list, as provided by EDR, and dated 07/23/2018 has revealed that there are 26 INVENTORY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMERICA BANK BIRMIN Facility ID: 63005254	322 N. OLD WOODWARD	E 0 - 1/8 (0.029 mi.)	A1	8
FIRST CHURCH OF CHRI Facility ID: 63005278	191 N. CHESTER ST.	SW 0 - 1/8 (0.080 mi.)	4	8
165 - 217 PIERCE STR	165 - 217 PIERCE STR	SSE 0 - 1/8 (0.119 mi.)	B9	10
BIRMINGHAM PUBLIC SC Facility ID: 50000584	550 W MERRILL	SSW 1/8 - 1/4 (0.211 mi.)	19	12
SUNOCO #0008-4178	35001 WOODWARD AVE	ESE 1/8 - 1/4 (0.216 mi.)	G21	13
CATALYST DEVELOPMENT Facility ID: 63005889	34977 WOODWARD AVENU	ESE 1/8 - 1/4 (0.237 mi.)	G24	13
SHELL - HUNTER Facility ID: 00002267	34977 WOODWARD AVE	ESE 1/8 - 1/4 (0.243 mi.)	G27	14
34965 WOODWARD AVENU	34965 WOODWARD AVENU	ESE 1/4 - 1/2 (0.262 mi.)	128	15

Facility ID: 63006065				
WOODWARD BROWN ASSOC Facility ID: 63005920	34901 WOODWARD AVENU	ESE 1/4 - 1/2 (0.285 mi.)	132	15
WOODWARD BROWN ASSOC Facility ID: 63005920	34901 WOODWARD	ESE 1/4 - 1/2 (0.289 mi.)	133	16
JAX KAR WASH #048 Facility ID: 00001952	34745 WOODWARD AVE	SE 1/4 - 1/2 (0.308 mi.)	36	16
GREEN'S ART SUPPLY SPEEDWAY LLC Facility ID: 00016370	400 SOUTH OLD WOODWA 34750 WOODWARD AVE	SE 1/4 - 1/2 (0.334 mi.) ESE 1/4 - 1/2 (0.370 mi.)	K42 <b>L44</b>	18 <b>19</b>
HAMILTON FUNERAL HOM PARKING LOT (DIETZ C Facility ID: 50002129	820 EAST MAPLE ROAD 985 E MAPLE RD	ESE 1/4 - 1/2 (0.394 mi.) E 1/4 - 1/2 (0.444 mi.)	M47 N50	20 21
Lower Elevation	Address	Direction / Distance	Map ID	Page
ERIC GHEEN Facility ID: 63006037	272 RAVINE RD	NNE 1/8 - 1/4 (0.139 mi.)	E13	10
FLS PROPERTIES #5 LL Facility ID: 63006064	856 N. OLD WOODWARD	NNW 1/4 - 1/2 (0.283 mi.)	J30	15
AMOCO STATION #5791  SIMON LAND DEVELOPME  Facility ID: 00005681	35975 WOODWARD AVENU 35975 WOODWARD AVE	NNW 1/4 - 1/2 (0.312 mi.) NNW 1/4 - 1/2 (0.317 mi.)	J37 <b>J38</b>	17 <b>17</b>
AMOCO #5791 AMOCO #5791 (FORMER) Facility ID: 63006077	35975 WOODWARD 35975 WOODWARD AVENU	NNW 1/4 - 1/2 (0.317 mi.) NNW 1/4 - 1/2 (0.317 mi.)	J39 J40	17 18
GHAFARI PROPERTIES I Facility ID: 00034940	36101 WOODWARD AVE	NNW 1/4 - 1/2 (0.371 mi.)	45	19
GOLLING MOTORS, INC. Facility ID: 63005949	34500 WOODWARD AVENU	SE 1/4 - 1/2 (0.470 mi.)	O53	21
GOLLING MOTORS, INC. Facility ID: 63005949	34500 WOODWARD AVENU	SE 1/4 - 1/2 (0.470 mi.)	O54	21
MAPLE GAS INC Facility ID: 00016689	1065 W MAPLE RD	WSW 1/4 - 1/2 (0.470 mi.)	55	22
BUDGET RENT-A-CAR Facility ID: 00007720	1000 E MAPLE RD	ESE 1/4 - 1/2 (0.473 mi.)	N56	22

#### Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<b>Equal/Higher Elevation</b>	Address	<b>Direction / Distance</b>	Map ID	Page
HOLLYWOOD SHERIDAN A EPA ID:: MIK674636881	185 OAKLAND AVE	ENE 0 - 1/8 (0.052 mi.)	A2	8
BIRMINGHAM CAMERA SH	168 S OLD WOODWARD A	SE 1/8 - 1/4 (0.163 mi.)	D17	12

EPA ID:: MID985652064				
BURTON KATZMAN EPA ID:: MIK851343467	336 E MAPLE RD	ESE 1/8 - 1/4 (0.192 mi.)	18	12
SUNOCO SERVICE STATI EPA ID:: MID087750204	35001 WOODWARD AVE	ESE 1/8 - 1/4 (0.216 mi.)	G20	12
UPTOWN ENTERTAINMENT EPA ID:: MIK151544753	211 S OLD WOODWARD A	SE 1/8 - 1/4 (0.226 mi.)	H22	13
Lower Elevation	Address	Direction / Distance	M ID	Dogo
	Address	Direction / Distance	Map ID	Page
DAKOTA EPA ID:: MIK718658982	280 HARMON ST	NNW 0 - 1/8 (0.124 mi.)	C10	10

BEA: A review of the BEA list, as provided by EDR, and dated 08/21/2013 has revealed that there are 13 BEA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
SUNOCO #0008-4178	35001 WOODWARD AVE	ESE 1/8 - 1/4 (0.216 mi.)	G21	13	
CATALYST DEVELOPMENT	34977 WOODWARD AVE	ESE 1/8 - 1/4 (0.243 mi.)	G25	14	
BROWN STREET OFFICE	200 EAST BROWN	SSE 1/4 - 1/2 (0.275 mi.)	29	15	
WOODWARD BROWN ASSOC	34901 WOODWARD AVENU	ESE 1/4 - 1/2 (0.289 mi.)	134	16	
JAX KAR WASH #048	34745 WOODWARD AVE	SE 1/4 - 1/2 (0.308 mi.)	36	16	
HAMILTON FUNERAL HOM	820 EAST MAPLE ROAD	ESE 1/4 - 1/2 (0.394 mi.)	M47	20	
ELMWOOD PROPERTIES I	920-970 EAST MAPLE R	ESE 1/4 - 1/2 (0.432 mi.)	M49	20	
PARKING LOT (DIETZ C	985 E MAPLE RD	E 1/4 - 1/2 (0.444 mi.)	N50	21	
OSOS TONTOS LLC	985 EAST MAPLE	ESE 1/4 - 1/2 (0.450 mi.)	N52	21	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
CHINESE RESTAURANT	856 NORTH OLD WOODWA	NNW 1/4 - 1/2 (0.283 mi.)	J31	15	
SIMON LAND DEVELOPME	35975 WOODWARD AVE	NNW 1/4 - 1/2 (0.317 mi.)	J38	17	
MALLY, C . LANE PROP	575 SOUTH HUNTER BLV	ESE 1/4 - 1/2 (0.394 mi.)	L46	20	
GOLLING MOTORS, INC.	34500 WOODWARD AVENU	SE 1/4 - 1/2 (0.470 mi.)	O53	21	

#### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ISADORE FRANK M	511 N WOODWARD AVE	NNW 0 - 1/8 (0.116 mi.)	C8	9

EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CENTURION CARPET & U	155 HENRIETTA ST	SSE 0 - 1/8 (0.100 mi.)	B7	9

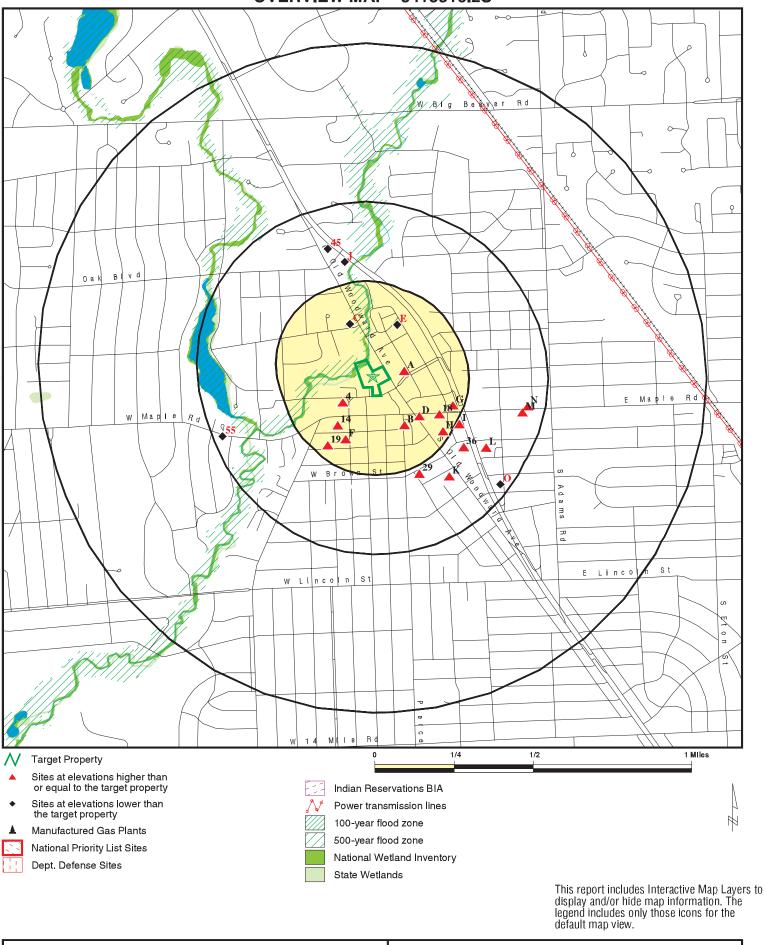
Database(s)	
Zip	
Site Address	
Site Name	
EDR ID	
City	

ORPHAN SUMMARY

Count: 0 records.

NO SITES FOUND

#### **OVERVIEW MAP - 5415516.2S**



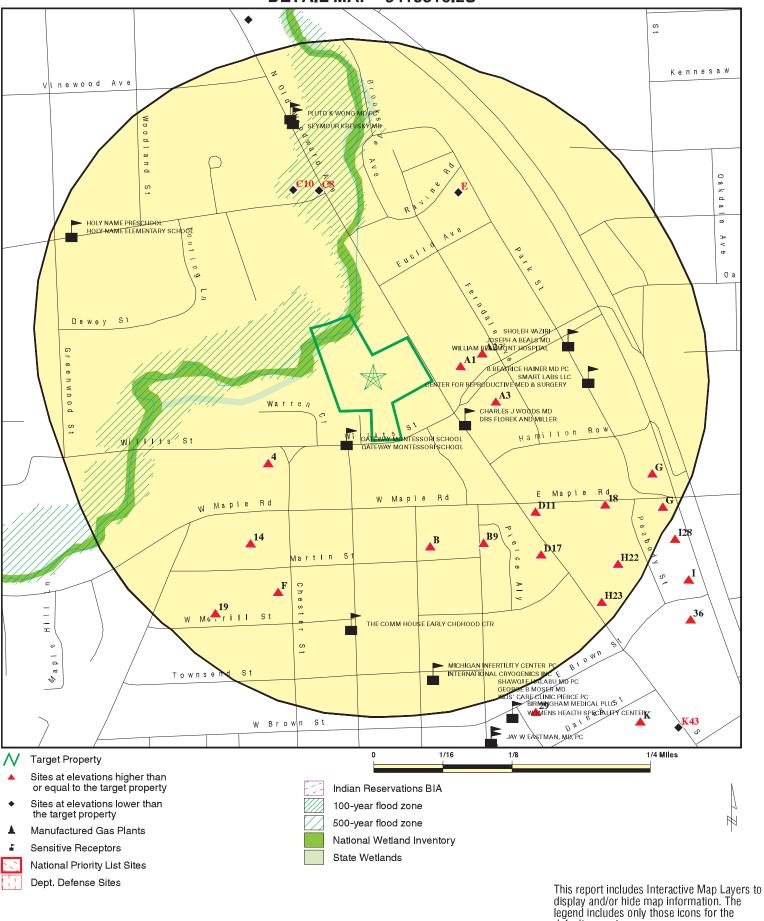
SITE NAME: 333 N. Old Woodward Avenue

ADDRESS: 333 N. Old Woodward Avenue

CLIENT: AKT Environmental Consultants
CONTACT: Scott Wasielewski

Birmingham MI 48009 INQUIRY #: 5415516.2s LAT/LONG: 42.548334 / 83.21684 DATE: September 06, 2018 3:21 pm

#### **DETAIL MAP - 5415516.2S**



SITE NAME: 333 N. Old Woodward Avenue
ADDRESS: 333 N. Old Woodward Avenue
Birmingham MI 48009
LAT/LONG: 42.548334 / 83.21684

CLIENT: AKT Environmental Consultants
CONTACT: Scott Wasielewski
INQUIRY #: 5415516.2s
DATE: September 06, 2018 3:23 pm

default map view.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL site	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAI	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 2	0 0 5	NR NR NR	NR NR NR	NR NR NR	0 0 7
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	lent CERCLIS	3						
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST INDIAN LUST	0.500 0.500		0 0	4 0	9 0	NR NR	NR NR	13 0
State and tribal registere	ed storage tan	ık lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		1 0 0	3 0 0	NR NR NR	NR NR NR	NR NR NR	4 0 0
State and tribal institutio control / engineering cor								
AUL	0.500		0	1	3	NR	NR	4
State and tribal voluntary	/ cleanup sites	;						
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL DECORDS							
ADDITIONAL ENVIRONMEN	TAL RECORDS							
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	2	NR	NR	2
Local Lists of Landfill / S Waste Disposal Sites	Colid							
SWRCY HIST LF INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL PART 201 INVENTORY CDL DEL PART 201 US CDL	0.001 1.000 0.500 0.001 1.000 0.001		0 0 3 0 0	NR 0 5 NR 0 NR	NR 0 18 NR 0 NR	NR 0 NR NR 0 NR	NR NR NR NR NR	0 0 26 0 0
Local Land Records								
LIENS LIENS 2	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency R	Release Report	s						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS	0.250 1.000 1.000 0.500		2 0 0 0	5 0 0 0	NR 0 0 0	NR 0 0 NR	NR NR NR NR	7 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.230		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		Ő	NR	NR	NR	NR	0
PRP	0.001		Ő	NR	NR	NR	NR	0
PADS	0.001		Ö	NR	NR	NR	NR	Ö
ICIS	0.001		Ő	NR	NR	NR	NR	Õ
FTTS	0.001		Ő	NR	NR	NR	NR	Õ
MLTS	0.001		Ö	NR	NR	NR	NR	Ö
COAL ASH DOE	0.001		Ő	NR	NR	NR	NR	Õ
COAL ASH EPA	0.500		Ő	0	0	NR	NR	0
PCB TRANSFORMER	0.001		Ö	NR	NR	NR	NR	0
RADINFO	0.001		Ő	NR	NR	NR	NR	0
HIST FTTS	0.001		Ő	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		Ö	0	0	0	NR	Õ
INDIAN RESERV	0.001		Ő	NR	NR	NR	NR	0
FUSRAP	1.000		Ö	0	0	0	NR	Ö
UMTRA	0.500		Ő	0	Ö	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		Ő	0	NR	NR	NR	0
ABANDONED MINES	0.001		Ő	NR	NR	NR	NR	0
FINDS	0.001		Ö	NR	NR	NR	NR	Ö
DOCKET HWC	0.001		Ő	NR	NR	NR	NR	Õ
ECHO	0.001		Ő	NR	NR	NR	NR	Õ
UXO	1.000		Ö	0	0	0	NR	Õ
FUELS PROGRAM	0.250		0	Ō	NR	NR	NR	Ō
AIRS	0.001		Ö	NR	NR	NR	NR	Ö
ASBESTOS	0.001		Ö	NR	NR	NR	NR	Õ
BEA	0.500		0	2	11	NR	NR	13
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		Ö	Ö	NR	NR	NR	Ö
Financial Assurance	0.001		0	NR	NR	NR	NR	Ō
LEAD	0.001		Ö	NR	NR	NR	NR	Ö
NPDES	0.001		Ö	NR	NR	NR	NR	Õ
UIC	0.001		Ö	NR	NR	NR	NR	Ö
WDS	0.001		Ö	NR	NR	NR	NR	Ö
56	0.001		Ū					Ü
EDR HIGH RISK HISTORIC	AL RECORDS							
EDR Exclusive Records	;							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
	520		•					•

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
EDR RECOVERED GOVERNMENT ARCHIVES									
Exclusive Recovered	Govt. Archives								
RGA PART 201	0.001		0	NR	NR	NR	NR	0	
RGA LF	0.001		0	NR	NR	NR	NR	0	
RGA LUST	0.001		0	NR	NR	NR	NR	0	
- Totals		0	10	25	43	0	0	78	

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

A1 COMERICA BANK BIRMINGHAM INVENTORY S114028625
East 322 N. OLD WOODWARD N/A

East 322 N. OLD WOODWARD < 1/8 BIRMINGHAM, MI 48009

0.029 mi. 153 ft.

Click here for full text details

Relative: Higher

**INVENTORY** 

Facility ID: 63005254

A2 HOLLYWOOD SHERIDAN ASSOCIATES LLC RCRA NonGen / NLR 1014392513 ENE 185 OAKLAND AVE RCRA NonGen / NLR 1014392513 MIK674636881

ENE 185 OAKLAND AVE < 1/8 BIRMINGHAM, MI 48009

0.052 mi. 273 ft.

Click here for full text details

Relative: Higher

RCRA NonGen / NLR EPA Id: MIK674636881

A3 JFK INVESTMENT COMPANY LLC RCRA-CESQG 1016676570
ESE 280 N OLD WOODWARD AVE FINDS MIK244262911

< 1/8 BIRMINGHAM, MI 48009 0.060 mi.

319 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA ld: MIK244262911

**FINDS** 

Registry ID:: 110058887744

**ECHO** 

Registry ID: 110058887744

4 FIRST CHURCH OF CHRIST INVENTORY \$114028648 SW 191 N. CHESTER ST. N/A

SW 191 N. CHESTER ST. < 1/8 BIRMINGHAM, MI 48009 0.080 mi.

0.080 m 422 ft.

Click here for full text details

Relative: Higher

INVENTORY

Facility ID: 63005278

**ECHO** 

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

B5 MICHIGAN BELL TELEPHONE COMPANY RCRA-CESQG 1000237764
SSE 155 HENRIETTA ST FINDS MIT270013519

< 1/8 BIRMINGHAM, MI 48009 0.100 mi.

528 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA Id: MIT270013519

**FINDS** 

Registry ID:: 110003719183

**ECHO** 

Registry ID: 110003719183

B6 BIRMINGHAM CO (M57110) UST U003322266

SSE 155 HENRIETTA ST < 1/8 BIRMINGHAM, MI 48009

0.100 mi. 528 ft.

Click here for full text details

Relative: Higher

UST

Tank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00011669

B7 CENTURION CARPET & UPHL CLRS EDR Hist Cleaner 1018638122

SSE 155 HENRIETTA ST < 1/8 BIRMINGHAM, MI 48009

< 1/8 B 0.100 mi.

528 ft.

Relative:

Click here for full text details

Higher

C8 ISADORE FRANK M EDR Hist Auto 1021028771
NNW 511 N WOODWARD AVE EDR Hist Auto N/A

< 1/8 BIRMINGHAM, MI 48011 0.116 mi.

614 ft.

Click here for full text details

Relative: Lower

TC5415516.2s Page 9

**ECHO** 

N/A

N/A

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**B9** 165 - 217 PIERCE STREET **INVENTORY** S120851764 N/A

SSE 165 - 217 PIERCE STREET < 1/8 OAKLAND (County), MI 48009

0.119 mi. 630 ft.

Click here for full text details

Relative: Higher

C10 **DAKOTA RCRA NonGen / NLR** 

1007099707 NNW 280 HARMON ST MIK718658982 < 1/8 **BIRMINGHAM, MI 48009** 

0.124 mi. 656 ft.

Click here for full text details

Relative: Lower

RCRA NonGen / NLR EPA Id: MIK718658982

D11 **FULLER CENTRAL PARK PROPERTIES LLC** RCRA-CESQG 1016142307 111 S OLD WOODWARD **FINDS** MIK478599987 SF **ECHO BIRMINGHAM, MI 48009** 

1/8-1/4 0.138 mi. 726 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA Id: MIK478599987

**FINDS** 

Registry ID:: 110055448608

**ECHO** 

Registry ID: 110055448608

**ERIC GHEEN** E12 RCRA NonGen / NLR 1016958314 MIK407668698

NNE **272 RAVINE RD** 1/8-1/4 **BIRMINGHAM, MI 48009** 0.139 mi.

735 ft.

Click here for full text details

Relative: Lower

**RCRA NonGen / NLR** EPA Id: MIK407668698

INVENTORY S117057927 E13 **ERIC GHEEN WDS** N/A

**NNE 272 RAVINE RD** 1/8-1/4 **BIRMINGHAM, MI 48009** 0.139 mi.

735 ft.

Click here for full text details

Relative: Lower

INVENTORY

Facility ID: 63006037

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ERIC GHEEN (Continued)** S117057927

WDS

WMD Id: 493758 Site Id: MIK407668698

**CENTRAL PARKING SYSTEM** RCRA-CESQG 1010321290 14 MIK937473619

SW **180 CHESTER ST** 1/8-1/4 **BIRMINGHAM, MI 48009** 

0.144 mi. 759 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA ld: MIK937473619

F15 **BALDWIN HOUSE** RCRA-CESQG 1014925103

SSW 200 CHESTER ST 1/8-1/4 BIRMINGHAM, MI 48009

0.161 mi. 850 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA Id: MIK756294448

PROPOSED BALDWIN HOUSE SITE LUST F16 U001777213 SSW 200 CHESTER ST UST N/A

1/8-1/4 0.161 mi. 850 ft.

Click here for full text details

Relative: Higher

LUST

Release Status: Closed Facility Id: 00037464

BIRMINGHAM, MI 48009

Substance Release: Heating Oil

UST

Tank Status: Closed in Ground Facility Type: CLOSED Facility Id: 00037464

WDS

WMD Id: 489340 Site Id: MIK756294448 MIK756294448

**WDS** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

D17 **BIRMINGHAM CAMERA SHOP** RCRA NonGen / NLR 1000828149 SE **168 S OLD WOODWARD AVE FINDS** MID985652064

1/8-1/4 **BIRMINGHAM, MI 48009** 0.163 mi.

863 ft.

Click here for full text details Relative:

Higher

RCRA NonGen / NLR EPA Id: MID985652064

**FINDS** 

Registry ID:: 110003675443

**ECHO** 

Registry ID: 110003675443

18 **BURTON KATZMAN** RCRA NonGen / NLR 1007990194 MIK851343467

**ESE** 336 E MAPLE RD 1/8-1/4 BIRMINGHAM, MI 48009 0.192 mi.

1015 ft.

Click here for full text details

Relative: Higher

RCRA NonGen / NLR EPA Id: MIK851343467

19 **BIRMINGHAM PUBLIC SCHOOLS** LUST S102851783 **INVENTORY** 

ssw 550 W MERRILL 1/8-1/4 BIRMINGHAM, MI 99999

0.211 mi. 1112 ft.

Click here for full text details

Relative: Higher

LUST

Release Status: Open Facility Id: 50000584

**INVENTORY** 

Facility ID: 50000584

G20 **SUNOCO SERVICE STATION 84178** RCRA NonGen / NLR 1004722718 **FINDS** MID087750204

**ESE** 35001 WOODWARD AVE 1/8-1/4 **BIRMINGHAM, MI 48009** 0.216 mi.

1139 ft.

Click here for full text details

Relative: Higher

RCRA NonGen / NLR EPA Id: MID087750204

**FINDS** 

Registry ID:: 110003607124

**ECHO** 

**ECHO** 

N/A

**ECHO** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

SUNOCO SERVICE STATION 84178 (Continued)

1004722718

**WDS** 

**RCRA-CESQG** 

Registry ID: 110003607124

G21 SUNOCO #0008-4178 LUST U003320721

**ESE** 35001 WOODWARD AVE UST N/A **INVENTORY** 1/8-1/4 **BIRMINGHAM, MI 48009** 0.216 mi. **BEA** 

1139 ft.

Click here for full text details

Relative: Higher

LUST

Release Status: Closed Facility Id: 00005935 Substance Release: Unknown

UST

Tank Status: Removed from Ground

Facility Type: CLOSED Facility Id: 00005935

**WDS** 

WMD Id: 397695 Site Id: MID087750204

H22 **UPTOWN ENTERTAINMENT RCRA NonGen / NLR** 1016958103 211 S OLD WOODWARD AVE MIK151544753

SE 1/8-1/4 BIRMINGHAM, MI 48009 0.226 mi.

1191 ft.

Click here for full text details

Relative: Higher

RCRA NonGen / NLR EPA Id: MIK151544753

H23 **ESSCO OF BIRMINGHAM LLC** 255 S OLD WOODWARD AVE SE 1/8-1/4 BIRMINGHAM, MI 48009

0.233 mi. 1230 ft.

Click here for full text details

Relative: Higher

**RCRA-CESQG** 

EPA Id: MIK656803600

G24 **CATALYST DEVELOPMENT CO. 8, LLC INVENTORY \$114029235** N/A

34977 WOODWARD AVENUE **ESE** 1/8-1/4 OAKLAND (County), MI

0.237 mi. 1254 ft.

Click here for full text details

Relative: Higher

**INVENTORY** 

Facility ID: 63005889

1017770828

MIK656803600

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**G25 CATALYST DEVELOPMENT CO 8 LLC** 

**ESE** 34977 WOODWARD AVE 1/8-1/4 **BIRMINGHAM, MI 48104** 

0.243 mi. 1285 ft.

Click here for full text details

Relative: Higher

Facility ID: 00002267

**WDS** 

WMD Id: 413573 Site Id: MIR000044230

G26 **CATALYST DEVELOPMENT CO 8 LLC** 

ESE 34977 WOODWARD AVE 1/8-1/4 **BIRMINGHAM, MI 48009** 0.243 mi.

1285 ft.

Click here for full text details

Relative: Higher

RCRA-CESQG

EPA Id: MIR000044230

**FINDS** 

Registry ID:: 110006413087

**ECHO** 

Registry ID: 110006413087

**G27 SHELL - HUNTER ESE** 34977 WOODWARD AVE 1/8-1/4 **BIRMINGHAM, MI 48009** 

0.243 mi. 1285 ft.

Click here for full text details

Relative: Higher

LUST

Release Status: Closed Release Status: Open Facility Id: 00002267

Substance Release: Unknown, Unknown

Substance Release: Gasoline Substance Release: Used Oil

UST

Tank Status: Removed from Ground

Facility Type: CLOSED Facility Id: 00002267

**INVENTORY** 

Facility ID: 00002267

AUL S104912434 **SPILLS** N/A

BEA **WDS** 

RCRA-CESQG 1001961007 **FINDS** 

**ECHO** 

LUST

UST

**INVENTORY** 

MIR000044230

TC5415516.2s Page 14

U003319719

N/A

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

128 34965 WOODWARD AVENUE **INVENTORY** S118622157 **ESE** 34965 WOODWARD AVENUE N/A

1/4-1/2 **BIRMINGHAM, MI 48009** 0.262 mi.

1382 ft.

Click here for full text details Relative:

Higher

**INVENTORY** 

Facility ID: 63006065

29 **BROWN STREET OFFICE BUILDING** BEA S109094147 N/A

SSE **200 EAST BROWN** 1/4-1/2 **BIRMINGHAM, MI** 0.275 mi.

1450 ft.

Click here for full text details

Relative: Higher

J30 **FLS PROPERTIES #5 LLC INVENTORY** S118188653 NNW 856 N. OLD WOODWARD AVE **WDS** N/A

1/4-1/2 **BIRMINGHAM, MI 48009** 0.283 mi.

1492 ft.

Click here for full text details

Relative: Lower

**INVENTORY** 

Facility ID: 63006064

**WDS** 

WMD Id: 497000 Site Id: MIK101349406

J31 **CHINESE RESTAURANT** BEA S108236717 NNW **856 NORTH OLD WOODWARD AVENUE** N/A

1/4-1/2 **BIRMINGHAM, MI 48009** 

0.283 mi. 1492 ft.

Click here for full text details

Relative: Lower

132 **WOODWARD BROWN ASSOCIATES, LLC INVENTORY** 

**ESE** 34901 WOODWARD AVENUE 1/4-1/2 OAKLAND (County), MI 48073

0.285 mi. 1504 ft.

Click here for full text details

Relative: Higher

**INVENTORY** 

Facility ID: 63005920

S114029255

N/A

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

I33 WOODWARD BROWN ASSOC LLC INVENTORY S114029254
ESE 34901 WOODWARD N/A

ESE 34901 WOODWARD 1/4-1/2 BIRMINGHAM, MI 48009

0.289 mi. 1524 ft.

Click here for full text details

Relative: Higher

INVENTORY

Facility ID: 63005920

I34 WOODWARD BROWN ASSOCIATES, LLC BEA S110624723

ESE 34901 WOODWARD AVENUE 1/4-1/2 BIRMINGHAM, MI 48073

0.289 mi. 1524 ft.

Click here for full text details

Relative: Higher

\_\_\_\_

I35 WEISS SAMONA US BROWNFIELDS 1016357344
ESE 34901 WOODWARD AVENUE FINDS N/A

1/4-1/2 BIRMINGHAM, MI 48009

0.289 mi. 1524 ft.

Click here for full text details

Relative: Higher

\_\_\_\_\_

US BROWNFIELDS

ACRES property ID: 115761

**FINDS** 

Registry ID:: 110043085050

1/4-1/2 BIRMINGHAM, MI 48009 0.308 mi. 1624 ft.

Relative: Click here for full text details

Higher

LUST

Release Status: Open Facility Id: 00001952

Substance Release: Unknown

UST

Tank Status: Removed from Ground

Facility Type: CLOSED Facility Id: 00001952

**INVENTORY** 

Facility ID: 00001952

**WDS** 

N/A

**INVENTORY** 

BEA WDS

Direction Distance

Elevation Site Database(s)

**EDR ID Number EPA ID Number** 

JAX KAR WASH #048 (Continued)

U003319644

WMD Id: 429618 Site Id: MIG000026887

**J37 AMOCO STATION #5791 (FORMER)** NNW 35975 WOODWARD AVENUE 1/4-1/2

**INVENTORY \$114032539** N/A

OAKLAND (County), MI

0.312 mi. 1646 ft.

Relative:

Click here for full text details

Lower

SIMON LAND DEVELOPMENT GROUP LLC U003320634 J38 LUST NNW 35975 WOODWARD AVE UST N/A 1/4-1/2 BIRMINGHAM, MI 48009 AUL 0.317 mi. **INVENTORY** 

1672 ft. **BEA** Click here for full text details **WDS** 

Relative: Lower

Release Status: Open Facility Id: 00005681

UST

LUST

Tank Status: Removed from Ground

Facility Type: CLOSED Facility Id: 00005681

Facility ID: 00005681

**INVENTORY** 

Facility ID: 00005681

WMD Id: 404537 Site Id: MID985606458

**J39 AMOCO #5791 INVENTORY** S120852487 NNW 35975 WOODWARD N/A

1/4-1/2 0.317 mi. 1672 ft.

Click here for full text details

OAKLAND (County), MI 48009

Relative: Lower

Direction Distance

**EDR ID Number** Database(s) Elevation Site **EPA ID Number** 

J40 AMOCO #5791 (FORMER) **INVENTORY** S121186466 N/A

35975 WOODWARD AVENUE FORMERLY 905 HUNTER NNW

1/4-1/2 **BIRMINGHAM, MI** 0.317 mi.

1672 ft.

Click here for full text details

Relative: Lower

**INVENTORY** 

Facility ID: 63006077

K41 **GREEN'S ART SUPPLY US BROWNFIELDS** 1016603767

SE **400 SOUTH OLD WOODWARD AVENUE BIRMINGHAM, MI 48009** 

1/4-1/2 0.334 mi.

1763 ft.

Click here for full text details

Relative: Higher

**US BROWNFIELDS** 

ACRES property ID: 170095

K42 **GREEN'S ART SUPPLY** INVENTORY S116710702

**400 SOUTH OLD WOODWARD** SE 1/4-1/2 OAKLAND (County), MI 48009

0.334 mi. 1763 ft.

Click here for full text details

Relative: Higher

K43 **ESTATE MOTORS** LUST U004181541 SE **464 S WOODWARD AVE** UST N/A **BIRMINGHAM, MI 48011** 

1/4-1/2 0.361 mi. 1907 ft.

Click here for full text details

Relative: Lower

LUST

Release Status: Closed Facility Id: 00015180 Substance Release: Gasoline Substance Release: Unknown

UST

Tank Status: Removed from Ground

Facility ID: 00015180 Facility Type: CLOSED Facility Id: 00015180

N/A

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

L44 SPEEDWAY LLC RCRA-CESQG 1000844604
ESE 34750 WOODWARD AVE LUST MID985666387

ESE 34750 WOODWARD AVE LUST MID9856
1/4-1/2 BIRMINGHAM, MI 48009 UST
0.370 mi. INVENTORY

1954 ft.

Click here for full text details

Relative:

Higher

RCRA-CESQG EPA ld: MID985666387

LUST
Release Status: Closed
Release Status: Open

Facility Id: 00016370 Substance Release: Unknown

Substance Release: Gasoline, Gasoline, Gasoline, Diesel

UST

Tank Status: Removed from Ground Tank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00016370

**INVENTORY** 

Facility ID: 00016370

**FINDS** 

Registry ID:: 110003685968

**ECHO** 

Registry ID: 110003685968

45 GHAFARI PROPERTIES INC LUST U003426133
NNW 36101 WOODWARD AVE UST N/A
1/4-1/2 BIRMINGHAM, MI 48009 AUL

0.371 mi. INVENTORY 1959 ft. Financial Assurance

Relative: Click here for full text details

Lower LUST

Release Status: Closed Facility Id: 00034940

Substance Release: Gasoline, Gasoline, Gasoline, Gasoline

UST

Tank Status: Removed from Ground Tank Status: Currently In Use Facility Type: ACTIVE Facility Id: 00034940

AUL

**EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**GHAFARI PROPERTIES INC (Continued)** 

U003426133

Facility ID: 00034940

**INVENTORY** 

Facility ID: 00034940

L46 MALLY, C . LANE PROPERTY BEA S104910029 **ESE** 575 SOUTH HUNTER BLVD. N/A

1/4-1/2 **BIRMINGHAM, MI** 

0.394 mi. 2079 ft.

Click here for full text details

Relative: Lower

M47 **HAMILTON FUNERAL HOME PROPERTY INVENTORY** S111832674 **BEA** N/A

**ESE 820 EAST MAPLE ROAD** BIRMINGHAM, MI 48009 1/4-1/2

0.394 mi. 2080 ft.

Click here for full text details

Relative: Higher

L48 **CARMAN TILLARD** LUST U004275219 **ESE** 910 N HUNTER BLVD UST N/A

1/4-1/2 BIRMINGHAM, MI 48009 0.409 mi.

2157 ft.

Click here for full text details

Relative: Lower

LUST

Release Status: Closed Facility Id: 50001216

UST

Facility ID: 50001216

M49 **ELMWOOD PROPERTIES I, LLC** BEA S104912490

**ESE** 920-970 EAST MAPLE ROAD 1/4-1/2 **BIRMINGHAM, MI** 

0.432 mi. 2281 ft.

Click here for full text details

Relative: Higher

N/A

Direction Distance

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

**INVENTORY** 

**BEA** 

LUST

UST

S102851965

U004275225

N/A

N/A

N50 PARKING LOT (DIETZ CORP)

East 985 E MAPLE RD 1/4-1/2 BIRMINGHAM, MI 48009

0.444 mi. 2344 ft.

Click here for full text details

Relative: Higher

INVENTORY

Facility ID: 50002129

N51 PARKING LOT (DIETZ CORP) East 985 E MAPLE RD

1/4-1/2 0.444 mi. 2344 ft. BIRMINGHAM, MI 48009

Relative:

Click here for full text details

Higher I

LUST

Release Status: Open Facility Id: 50002129

Substance Release: Unknown

UST

Facility ID: 50002129

 N52
 OSOS TONTOS LLC
 BEA
 \$113828182

 ESE
 985 EAST MAPLE
 N/A

ESE 985 EAST MAPLE 1/4-1/2 BIRMINGHAM, MI 48104 0.450 mi.

2377 ft.

Relative: Click here for full text details

Higher

 O53
 GOLLING MOTORS, INC.
 INVENTORY
 \$111333595

 SE
 34500 WOODWARD AVENUE
 BEA
 N/A

SE 34500 WOODWARD AVENUE 1/4-1/2 BIRMINGHAM, MI 48009

0.470 mi. 2479 ft.

Click here for full text details
Relative:

Lower

INVENTORY

Facility ID: 63005949

O54 GOLLING MOTORS, INC. INVENTORY S114029283
SE 34500 WOODWARD AVENUE N/A

SE 34500 WOODWARD AVENUE 1/4-1/2 OAKLAND (County), MI 48009 0.470 mi.

2479 ft.

Click here for full text details

Relative: Lower

**INVENTORY** 

Facility ID: 63005949

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

55 **MAPLE GAS INC** LUST U004117527 wsw 1065 W MAPLE RD UST N/A

1/4-1/2 **BIRMINGHAM, MI 48009 AUL INVENTORY** 0.470 mi. 2483 ft. **Financial Assurance** 

Click here for full text details Relative:

Lower

LUST

Release Status: Closed Facility Id: 00016689

Substance Release: Used Oil, Gasoline

Substance Release: Gasoline, Gasoline, Gasoline, Used Oil

Substance Release: Unknown

UST

Tank Status: Currently In Use Tank Status: Removed from Ground

Facility Type: ACTIVE Facility Id: 00016689

AUL

Facility ID: 00016689

**INVENTORY** 

Facility ID: 00016689

N56 U000261651 **BUDGET RENT-A-CAR** LUST 1000 E MAPLE RD **ESE** UST N/A BIRMINGHAM, MI 48009 INVENTORY

1/4-1/2 0.473 mi. 2495 ft.

Click here for full text details

Relative: Lower

LUST

Release Status: Open Facility Id: 00007720

UST

Tank Status: Removed from Ground

Facility Type: CLOSED Facility Id: 00007720

**INVENTORY** 

Facility ID: 00007720

WDS

WMD Id: 453923 Site Id: MIG000018867 **WDS** 

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MI	AIRS	Permit and Emissions Inventory Data	Dept of Environmental Quality	06/21/2018	06/26/2018	07/31/2018
MI	ASBESTOS	Asbestos Notification Listing	Department of Licensing & Regulatory Affairs	04/30/2018	05/04/2018	06/26/2018
MI	AST	Aboveground Tanks	Department of Licensing & Regulatory Affairs	06/14/2018	06/19/2018	07/31/2018
MI	AUL	Engineering and Institutional Controls	Dept of Environmental Quality	05/25/2018	05/29/2018	06/27/2018
MI	BEA	Baseline Environmental Assessment Database	Dept of Environmental Quality	08/21/2013	08/23/2013	09/12/2013
MI	BROWNFIELDS	Brownfields and USTfield Site Database	Dept of Environmental Quality	01/15/2016	02/02/2016	04/04/2016
MI	BROWNFIELDS 2	Brownfields Building and Land Site Locations	Economic Development Corporation	04/09/2007	04/10/2007	05/01/2007
MI	CDL	Clandestine Drug Lab Listing	Department of Community Health	12/31/2016	02/17/2017	04/18/2017
MI	COAL ASH	Coal Ash Disposal Sites	Dept of Environmental Quality	10/20/2016	02/02/2017	04/20/2017
MI	DEL PART 201	Delisted List of Contaminated Sites	Dept of Environmental Quality	08/01/2013	08/01/2013	09/11/2013
MI	DRYCLEANERS	Drycleaning Establishments	Dept of Environmental Quality	04/13/2018	05/02/2018	06/27/2018
MI	FINANCIAL ASSURANCE 3	Financial Assurance Information Listing	Department of Licensing & Regulatory Affairs	08/24/2017	08/24/2017	10/27/2017
MI	Financial Assurance 1	Financial Assurance Information Listing	Dept of Environmental Quality	07/01/2018	07/06/2018	08/14/2018
MI	Financial Assurance 2	Financial Assurance Information Listing	Dept of Environmental Quality	03/29/2018	04/03/2018	05/17/2018
MI	HIST LF	Inactive Solid Waste Facilities	Dept of Environmental Quality	03/01/1997	02/28/2003	03/06/2003
MI	INVENTORY	Inventory of Facilities	Department of Environmental Quality	07/23/2018	07/26/2018	07/31/2018
MI	LEAD CERT	Lead Safe Housing Registry	Department of Community Health	09/15/2015	09/16/2015	09/30/2015
MI	LIENS	Lien List	Dept of Environmental Quality	05/04/2018	07/24/2018	08/01/2018
MI	LUST	Leaking Underground Storage Tank Sites	Dept of Environmental Quality	05/03/2018	05/16/2018	06/27/2018
MI	NPDES	List of Active NPDES Permits	Dept of Environmental Quality	04/17/2018	07/05/2018	08/01/2018
MI	PART 201	Part 201 Site List	Department of Environmental Quality	10/01/2013	10/03/2014	10/03/2014
MI	PEAS	Pollution Emergency Alerting System	Dept of Environmental Quality	07/10/2018	07/26/2018	08/01/2018
MI	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Quality		07/01/2013	01/13/2014
MI	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality		07/01/2013	12/24/2013
MI	RGA PART 201	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality		07/01/2013	12/24/2013
MI	SHWS	This state does not maintain a SHWS list. See the Federal CE	Dept of Environmental Quality		10/31/2013	11/20/2013
MI	SWF/LF	Solid Waste Facilities Database	Dept of Environmental Quality	06/25/2018	06/27/2018	08/01/2018
MI	SWRCY	Recycling Facilities	Dept of Environmental Quality	01/11/2018	01/16/2018	01/26/2018
MI	UIC	Underground Injection Wells Database	Dept of Environmental Quality	03/30/2018	04/11/2018	05/07/2018
MI	UST	Underground Storage Tank Facility List	Department of Licensing & Regulatory Affairs	09/13/2017	02/01/2018	02/08/2018
MI	UST 2	Underground Storage Tank Listing	Department of Licensing & Regulatory Affairs	04/23/2018	04/25/2018	06/27/2018
MI	WDS	Waste Data System	Dept of Environmental Quality	05/05/2018	05/07/2018	05/09/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/08/2018	03/13/2018	06/08/2018
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2018	04/16/2018	06/29/2018
US	CORRACTS	Corrective Action Report	EPA B : 0	03/01/2018	03/28/2018	06/22/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	05/13/2018	05/30/2018	06/22/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	02/25/2018	03/17/2018	06/08/2018
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR. Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/19/2018	03/27/2018	06/08/2018
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/07/2016	01/05/2017	04/07/2017
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2017
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/01/2007	06/08/2018
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US		, ,	<b>5</b> ,		08/06/2014	
	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014		01/29/2015
US	INDIAN LUST R1 INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018 04/12/2018	05/18/2018 05/18/2018	07/20/2018 07/20/2018
US		Leaking Underground Storage Tanks on Indian Land	EPA Region 10			
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/10/2018	05/18/2018	07/20/2018
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	LUCIS	Land Use Control Information System	Department of the Navy	05/14/2018	05/18/2018	07/20/2018
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	05/13/2018	05/30/2018	06/22/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/13/2018	05/30/2018	06/22/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/03/2018	04/05/2018	06/29/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	ROD	Records Of Decision	EPA	05/13/2018	05/30/2018	06/29/2018
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	05/18/2018	05/30/2018	06/22/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	05/18/2018	05/30/2018	06/22/2018
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/19/2018	03/21/2018	06/08/2018
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/01/2018	03/27/2018	06/22/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/03/2018	05/31/2018	06/29/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
СТ	CT MANUFECT	Hazardaya Wasta Mazifast Data	Department of Fragge 9 Engironmental Protecti	04/02/2040	00/44/0040	02/22/2010
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	01/03/2018	02/14/2018	03/22/2018
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2017	07/13/2018	08/01/2018
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	07/01/2018	08/01/2018	08/31/2018
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	07/25/2017	09/25/2017
RI	RI MANIFEST	Manifest Information	Department of Environmental Management	12/31/2017	02/23/2018	04/09/2018
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2017	06/15/2018	07/09/2018

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
MI	Daycare Centers	Sensitive Receptor: Day Care Centers, Group & Family Homes	Bureau of REgulatory Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
MI	State Wetlands	Wetlands Inventory	Department of Natural Resources			
US	Topographic Map	,	U.S. Geological Survey			
US	Oil/Gas Pipelines		PennWell Corporation			
US	'		PennWell Corporation			

#### STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

333 N. OLD WOODWARD AVENUE 333 N. OLD WOODWARD AVENUE BIRMINGHAM, MI 48009

#### **TARGET PROPERTY COORDINATES**

Latitude (North): 42.548334 - 42° 32' 54.00" Longitude (West): 83.21684 - 83° 13' 0.62"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 317982.2 UTM Y (Meters): 4712827.5

Elevation: 767 ft. above sea level

#### **USGS TOPOGRAPHIC MAP**

Target Property Map: 6066350 BIRMINGHAM, MI

Version Date: 2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

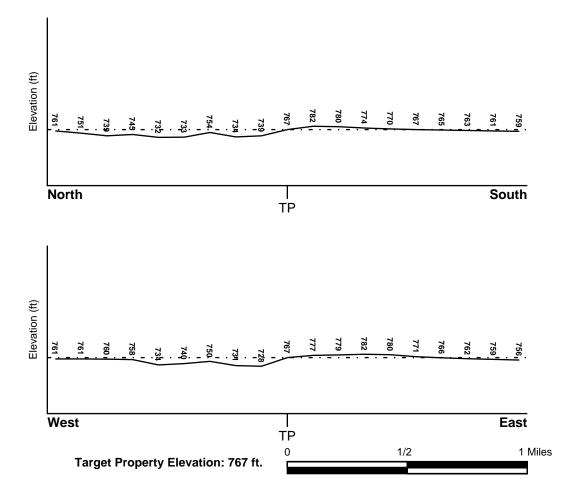
#### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

#### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

26125C0537F FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

26125C0528F FEMA FIRM Flood data 26125C0529F FEMA FIRM Flood data 26125C0536F FEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

BIRMINGHAM YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

### **AQUIFLOW**®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

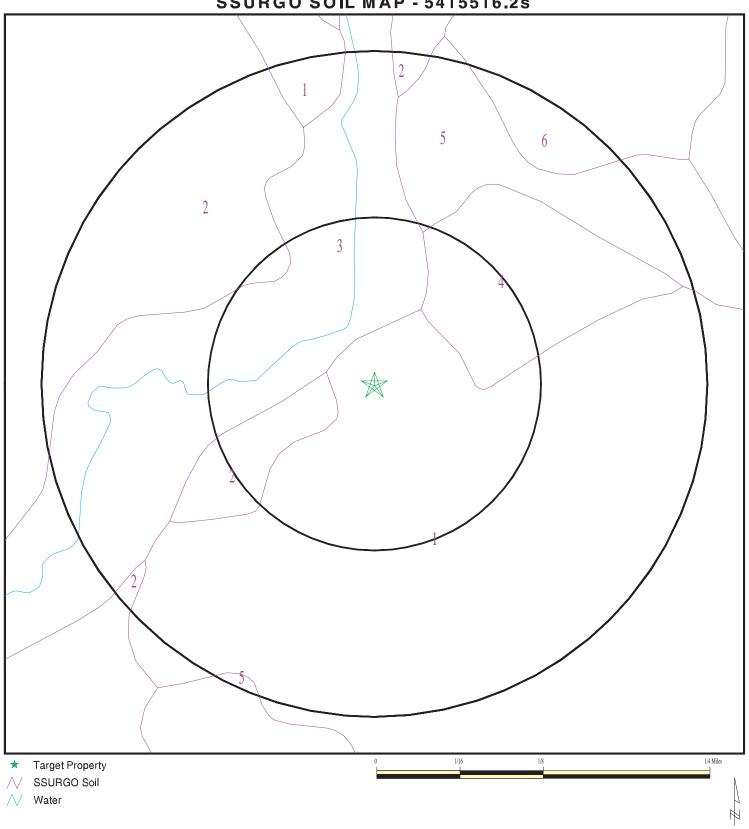
Era: Paleozoic Category: Stratified Sequence

System: Devonian
Series: Upper Devonian

Code: D3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 5415516.2s**



SITE NAME: 333 N. Old Woodward Avenue ADDRESS: 333 N. Old Woodward Avenue

Birmingham MI 48009 42.548334 / 83.21684 LAT/LONG:

CLIENT: AKT Environmental Consultants CONTACT: Scott Wasielewski

INQUIRY#: 5415516.2s

DATE: September 06, 2018 3:24 pm

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: <sup>,</sup>	Soil	Map	ID:	1
---------------------------	------	-----	-----	---

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

#### Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

#### Soil Map ID: 3

Soil Component Name: Cohoctah

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

			Soil Laye	r Information			
		Boundary Class	Classi	fication	Saturated hydraulic		
Layer	Upper Lower		Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 141	Max: 8.4 Min: 7.4
2	11 inches	48 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 141	Max: 8.4 Min: 7.4
3	48 inches	59 inches	gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 141	Max: 8.4 Min: 7.4

## Soil Map ID: 4

Soil Component Name: Urban land

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 130 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Urban land

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class:

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: Aquents

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
Boundary Classification		ication	Saturated hydraulic					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:	

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP		
1	USGS40000482179	1/4 - 1/2 Mile WSW		
2	USGS40000482170	1/4 - 1/2 Mile WSW		
19	USGS40000482207	1/2 - 1 Mile NW		

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

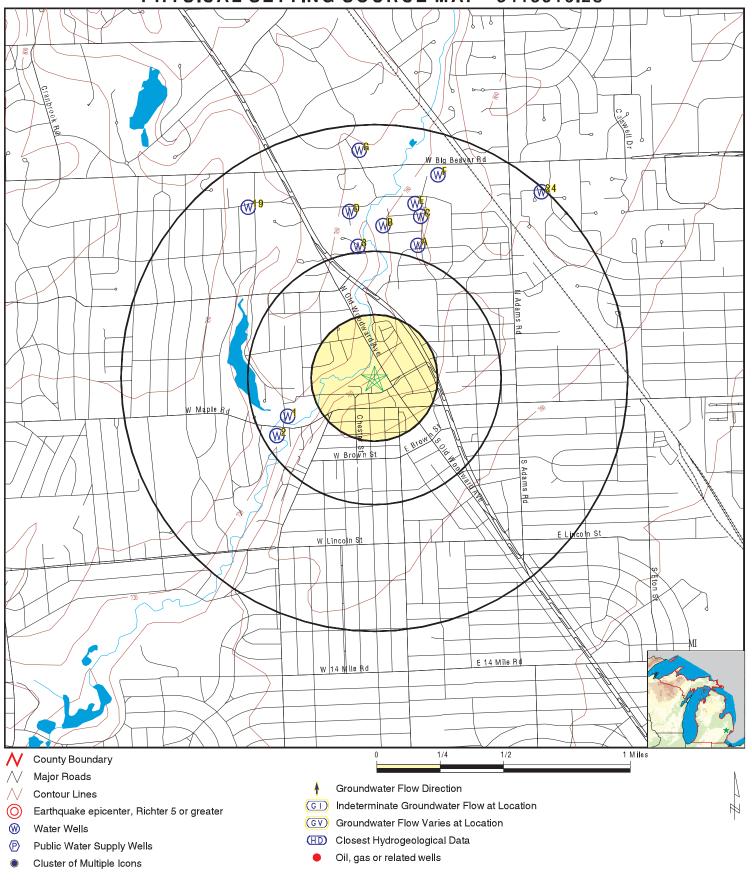
MAP ID	WELL ID	LOCATION FROM TP
3	MI4000000288462	1/2 - 1 Mile North
A4	MI400000313467	1/2 - 1 Mile NNE
A5	MI400000288468	1/2 - 1 Mile NNE
B6	MI400000321366	1/2 - 1 Mile North
B7	MI400000320226	1/2 - 1 Mile North
C8	MI400000288467	1/2 - 1 Mile NNE
D9	MI400000288465	1/2 - 1 Mile North
C10	MI400000310737	1/2 - 1 Mile NNE
C11	MI400000288461	1/2 - 1 Mile NNE
D12	MI400000288464	1/2 - 1 Mile North
C13	MI400000318767	1/2 - 1 Mile NNE
C14	MI400000288469	1/2 - 1 Mile NNE
D15	MI400000288463	1/2 - 1 Mile North
E16	MI400000322960	1/2 - 1 Mile NNE
E17	MI400000318837	1/2 - 1 Mile NNE
E18	MI400000288466	1/2 - 1 Mile North
F20	MI400000319669	1/2 - 1 Mile NNE
F21	MI400000319402	1/2 - 1 Mile NNE

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G22	MI400000323421	1/2 - 1 Mile North
G23	MI400000323550	1/2 - 1 Mile North
24	MI4000000288576	1/2 - 1 Mile NE

# PHYSICAL SETTING SOURCE MAP - 5415516.2s



SITE NAME: 333 N. Old Woodward Avenue ADDRESS: 333 N. Old Woodward Avenue

Birmingham MI 48009 LAT/LONG: 42.548334 / 83.21684

**AKT Environmental Consultants** 

CLIENT: AKT Environmenta CONTACT: Scott Wasielewski

INQUIRY#: 5415516.2s

DATE: September 06, 2018 3:23 pm

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation		Database	EDR ID Number
1 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	FED USGS	USGS40000482179
2 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	FED USGS	USGS40000482170
3 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000288462
A4 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000313467
A5 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000288468
B6 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000321366
B7 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000320226
C8 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000288467

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation		Database	EDR ID Number
D9 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000288465
C10 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000310737
C11 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000288461
D12 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000288464
C13 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000318767
C14 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000288469
D15 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000288463
E16 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI400000322960
E17 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000318837

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation		Database	EDR ID Number
E18 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000288466
19 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000482207
F20 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000319669
F21 NNE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000319402
G22 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000323421
G23 North 1/2 - 1 Mile Lower	Click here for full text details	MI WELLS	MI4000000323550
24 NE 1/2 - 1 Mile Higher	Click here for full text details	MI WELLS	MI4000000288576

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Resul
48009	4/21/2007		1.5
48009	1/14/2008		1.5
48009	7/14/2004		1.5
48009	4/7/2006		1.5
48009	4/12/2002		1.4
48009	7/29/2004		1.4
48009	7/27/2009		1.5
48009	10/19/2009		1.5
48009	5/29/2001		1.4
48009	1/29/2009		1.4
48009	4/7/2006		1.4
48009	12/4/2006		1.4
48009	5/28/2003		1.3
48009	1/24/2009		1.3
48009	1/6/1997		1.2
48009	8/22/2002		1.2
48009	5/24/2002		1.2
48009	3/26/2004		1.2
48009	3/26/2004		1.2
48009	3/26/2004		1.2
48009	2/8/2005		1.2
48009	10/13/1995		1.1
48009	7/1/1998		1.1
48009	5/10/2002		1.1
48009	5/31/2002		1.1
48009	2/24/2003		1.1
48009	1/27/2009		1.2
48009	1/24/2009		1.2
48009	2/17/2009		1.2
48009	2/14/2009		1.2
48009	2/2/2009		1.1
48009	3/22/2004		1.1
48009	3/7/2008		1.1
48009	6/8/2002		1.0
48009	2/2/2009		1.1
48009	7/3/1995		1.0
48009	2/26/1999		1.0
48009	2/16/2005		1.9
48009	2/2/2006		1.9
48009	11/15/2001		1.9
48009	4/20/1998		1.9
48009	3/11/2003		1.8
48009	10/13/2008		1.9
48009	10/27/2000		1.9
48009	2/27/2009		1.9
48009	4/3/2009		1.9
48009			

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	4/40/4000		4.0
40000	1/13/1996		1.8
48009	2/21/1995		1.8
48009	11/20/2007		1.8
48009	10/13/1995		1.7
48009	7/29/2003		1.7
48009	4/29/2002		1.7
48009	10/31/2002		1.7
48009	1/18/2003		1.7
48009	1/28/2003		1.7
48009	11/22/2003		1.6
48009	12/30/2003		1.6
48009	2/7/2009		1.7
48009	1/29/2009		1.7
48009	5/11/2007	<	0.3
48009	5/7/2005		0.5
48009	3/8/2004		0.5
48009	1/29/2004	<	0.3
48009	1/12/2004	<	0.3
48009	4/7/2006	<	0.3
48009	6/2/2004	<	0.3
48009	3/21/2007		0.5
48009	8/30/1999		0.5
48009	11/16/2004	<	0.3
48009	3/18/1994		0.5
48009	3/18/1994		0.5
48009	9/26/1998	<	0.3
48009	2/18/1999	<	0.3
48009	1/22/2008	<	0.3
48009	5/20/2003	<	0.3
48009	5/10/2002	<	0.3
48009	5/23/2002	<	0.3
48009	4/15/2002	<	0.3
48009	1/15/2007	<	0.3
48009	1/20/1998		0.8
48009	7/3/1995		0.8
48009	3/15/2004		0.7
48009	3/19/2004		0.7
48009	3/29/2004		0.8
48009 48009	4/17/2004 3/24/2006		0.6 0.8
48009	10/9/2004		0.9
48009	2/9/2004		0.9
48009	2/21/2004		0.9
48009	11/10/2006		0.9
48009	1/21/2008		0.6
48009	1/15/2008		0.6
48009	1/29/2009		0.6
48009	3/13/2009		0.7
48009	2/20/2009		0.6
48009	1/24/2009		8.0
48009	2/7/2009		0.8
48009	1/24/2009		0.6
48009	2/3/2009		0.9
48009	7/1/1998		0.7
48009	3/19/2003		0.6
48009	4/13/2002		0.6
48009			

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	4/1/2002		0.6
48009	1/26/2009		0.0
48009	4/24/2002		0.9
48009	4/22/2002		0.6
	1/26/2009		2.6
48009			
48009	1/22/2009		2.8
48009	1/7/2002		2.5
48009	11/23/2007		2.4
48009	11/9/2007		2.4
48009	9/28/1999		2.4
48009	10/30/2006		2.2
48009	3/23/2009		2.4
48009	1/26/2009		2.3
48009	12/3/1994		2.2
48009	4/23/2002		2.2
48009	4/29/2002		2.2
48009	2/7/2003		2.2
48009	1/8/2007		2.3
48009	2/25/2002		2.1
48009	12/2/2002		2.7
48009	11/14/2003		2.6
48009	6/10/2002 1/13/2006		2.7
48009			2.6
48009	10/31/2009		3.0
48009	1/3/2004		2.8
48009	11/3/2007		2.7
48009	11/7/2007		3.8
48009	7/28/2008		3.6
48009	5/21/2004		3.5
48009	4/28/2003		3.5
48009	1/2/2010 9/8/2009		3.5 3.5
48009 48009	11/6/2008		3.4
48009	2/25/2004		3.2
48009	4/9/2004		3.3
48009	11/10/2007		3.2
48009	1/24/2009	<	0.3
48009	11/11/2003		3.7
48009	1/25/2010	<	0.3
48009	1/4/1997		3.8
48009	1/14/2002		3.8
48009	6/9/2003		3.8
48009	11/22/1997		3.6
48009	7/16/2007		5.6
48009	7/16/1999		5.5
48009	1/24/2009		5.9
48009	6/12/2004		4.7
48009	10/20/2008		5.0
48009	9/29/2007		5.0
48009	3/13/2002		4.6
48009	5/27/2002		4.6
48009	6/9/2008		6.7
48009	7/6/2007		7.7
48009	4/12/2002		2.0
48009	5/8/2002		2.0
48009	9/17/2001		22.4
48009	<b></b>		'
.5500			

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

	3/5/2009	14.4	
48009	2/7/2009	12.6	
48009	5/27/2002	8.0	
48009	6/24/2002	10.8	
48009	7/24/1999	8.6	
48009	1/24/2009	2.1	
48009	11/7/2008	4.2	
48009	10/10/2006	4.2	
48009	8/19/2008	4.1	
48009	2/1/2008	4.5	
48009	10/23/2007	4.5	

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48009

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.780 pCi/L	100%	0%	0%

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

#### OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

#### **RADON**

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

### STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



# Appendix E Aerial Photograph Documentation









FEMA Base Flood Elevations

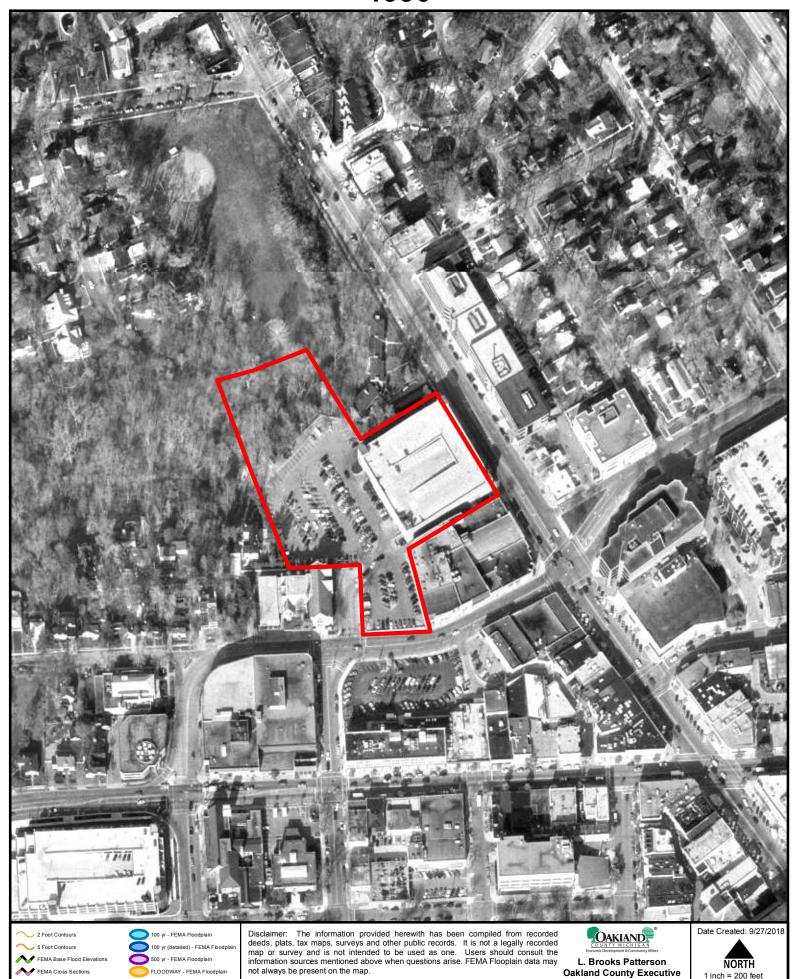
FEMA Cross Sections

500 yr - FEMA Floodplain

FLOODWAY - FEMA Floodplain

L. Brooks Patterson Oakland County Executive

NORTH

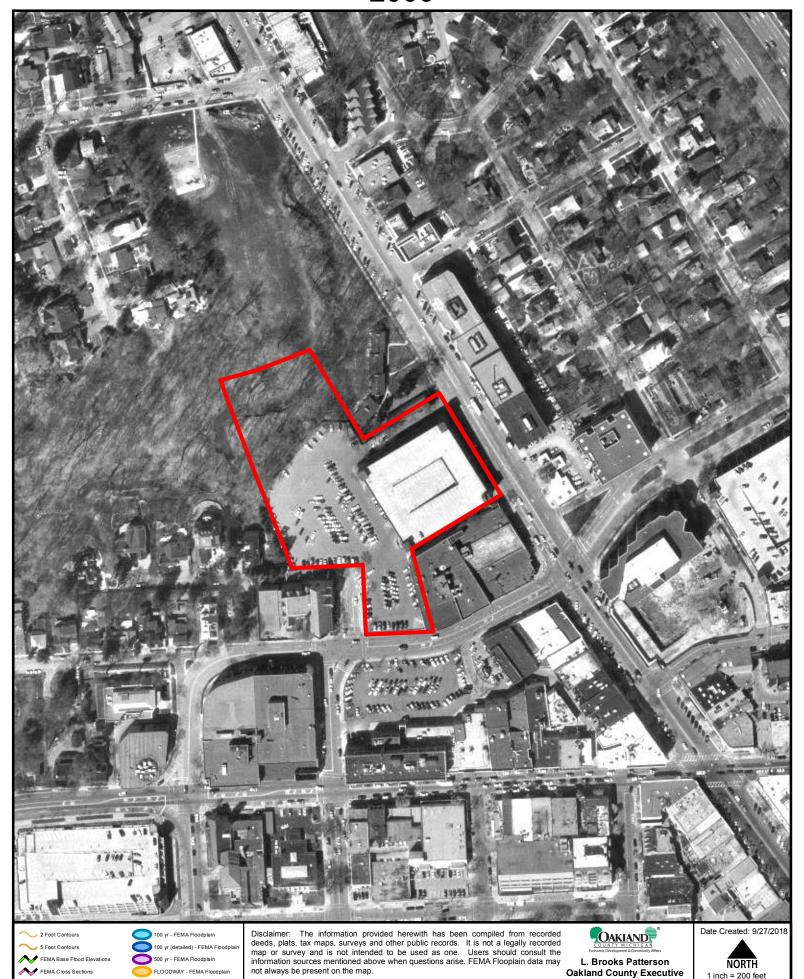




FEMA Cross Sections

FLOODWAY - FEMA Floodplain

NORTH



FEMA Base Flood Elevations

FEMA Cross Sections

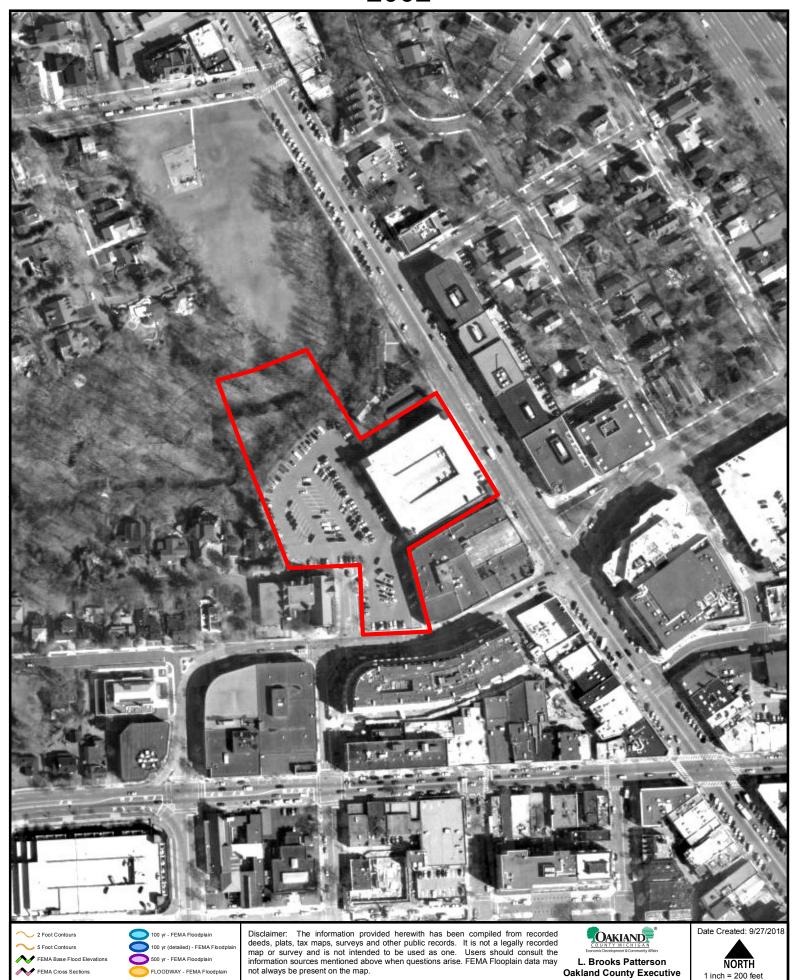
500 yr - FEMA Floodplain

FLOODWAY - FEMA Floodplain

L. Brooks Patterson

**Oakland County Executive** 

NORTH



FEMA Base Flood Elevations

FEMA Cross Sections

500 yr - FEMA Floodplain

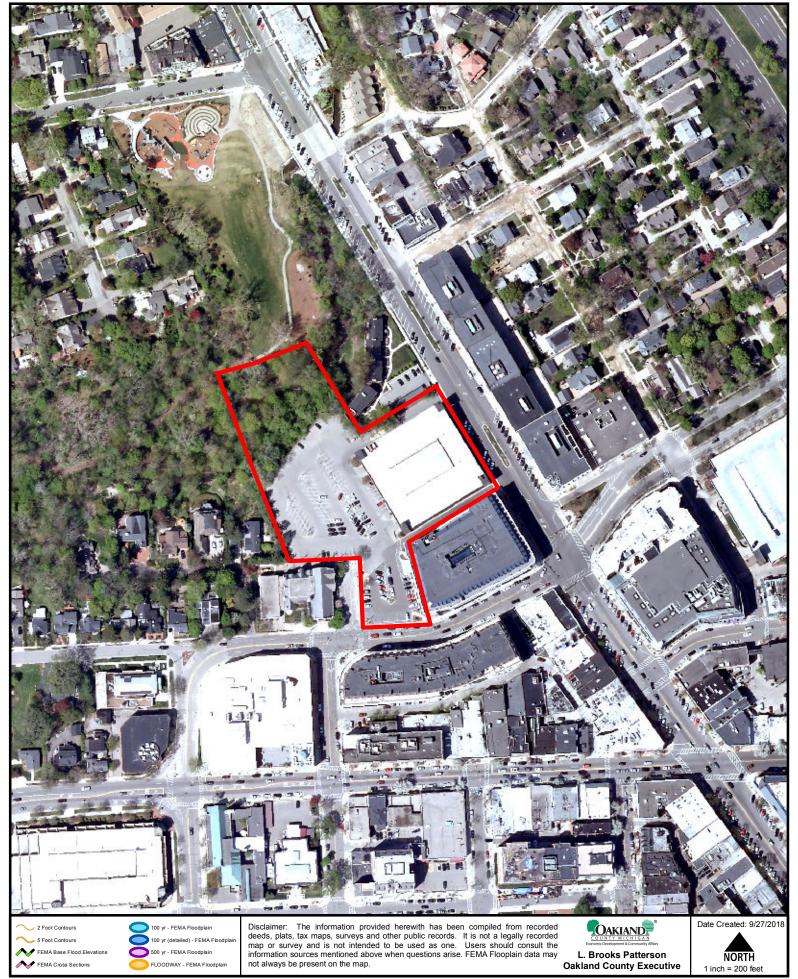
FLOODWAY - FEMA Floodplain

L. Brooks Patterson Oakland County Executive

NORTH













FEMA Base Flood Elevation

FEMA Cross Sections

500 yr - FEMA Floodplain

FLOODWAY - FEMA Floodplain

L. Brooks Patterson Oakland County Executive

NORTH



FEMA Base Flood Elevations

FEMA Cross Sections

500 yr - FEMA Floodplain

FLOODWAY - FEMA Floodplain

L. Brooks Patterson

**Oakland County Executive** 

NORTH



FEMA Base Flood Elevations

FEMA Cross Sections

500 yr - FEMA Floodplain

FLOODWAY - FEMA Floodplain

L. Brooks Patterson

**Oakland County Executive** 

NORTH



# Appendix F Fire Insurance Map Documentation

333 N. Old Woodward Avenue 333 N. Old Woodward Avenue Birmingham, MI 48009

Inquiry Number: 5415516.3

September 07, 2018

# **Certified Sanborn® Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

### Certified Sanborn® Map Report

09/07/18

Site Name:

Client Name:

333 N. Old Woodward Avenue 333 N. Old Woodward Avenue Birmingham, MI 48009

EDR Inquiry # 5415516.3

AKT Environmental Consultants 22725 Orchard Lake Road Farmington Hills, MI 48336 Contact: Scott Wasielewski



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AKT Environmental Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # 7C0D-4B19-A5F2

PO# 13661F-1-17

City of Birmingham **Project** 

#### Maps Provided:

1960 1893

1949

1931

1926

1921

1915

1910

1900



Sanborn® Library search results

Certification #: 7C0D-4B19-A5F2

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress



✓ University Publications of America



▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

#### **Limited Permission To Make Copies**

AKT Environmental Consultants (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

page 2

### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1960 Source Sheets



Volume 1, Sheet 2 1960



Volume 1, Sheet 23 1960

### 1949 Source Sheets



Volume 1, Sheet 2 1949



Volume 1, Sheet 23 1949

### 1931 Source Sheets



Volume 1, Sheet 2 1931



Volume 1, Sheet 23 1931

### 1926 Source Sheets



Volume 1, Sheet 2 1926



Volume 1, Sheet 6 1926

### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1921 Source Sheets





Volume 1, Sheet Keymap/Sheet1 Volume 1, Sheet 3 1921 1921

### 1915 Source Sheets



Volume 1, Sheet 2 1915

### 1910 Source Sheets



Volume 1, Sheet 1 1910

### 1900 Source Sheets



Volume 1, Sheet 1 1900

### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

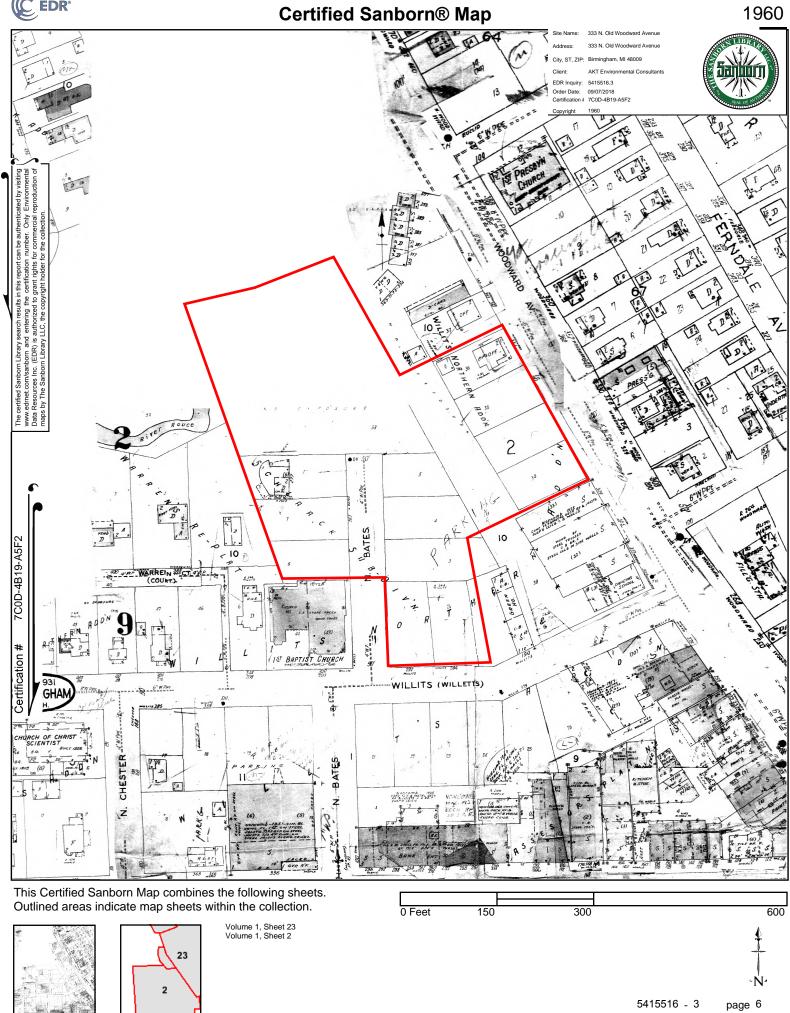


### 1893 Source Sheets



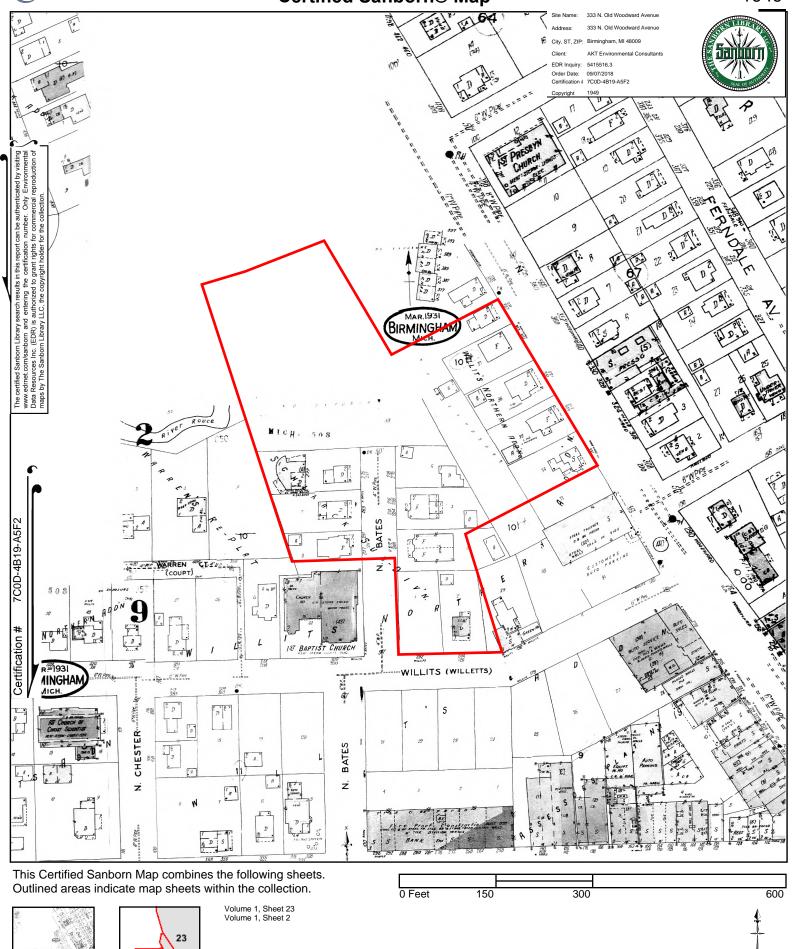
Volume 1, Sheet 1 1893

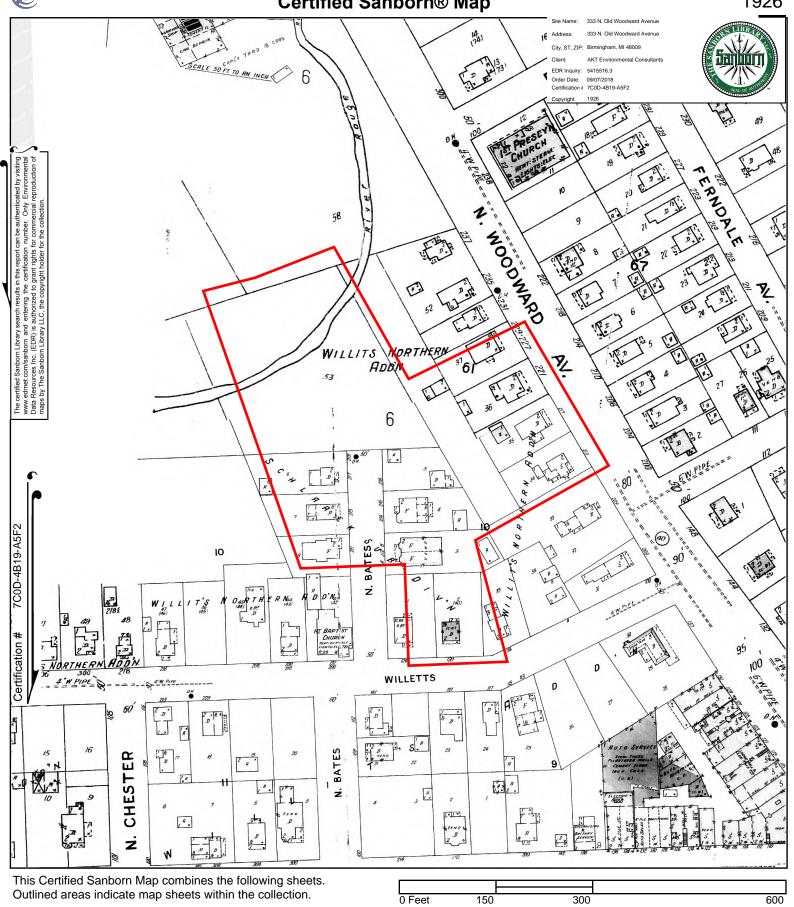






### **Certified Sanborn® Map**



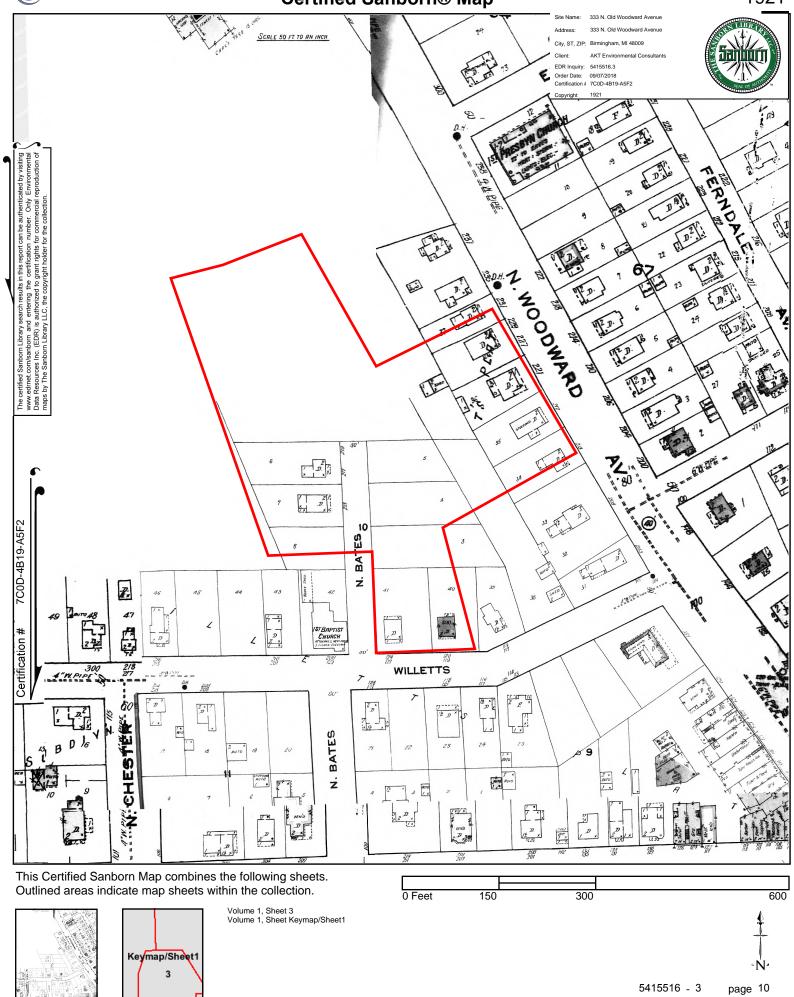




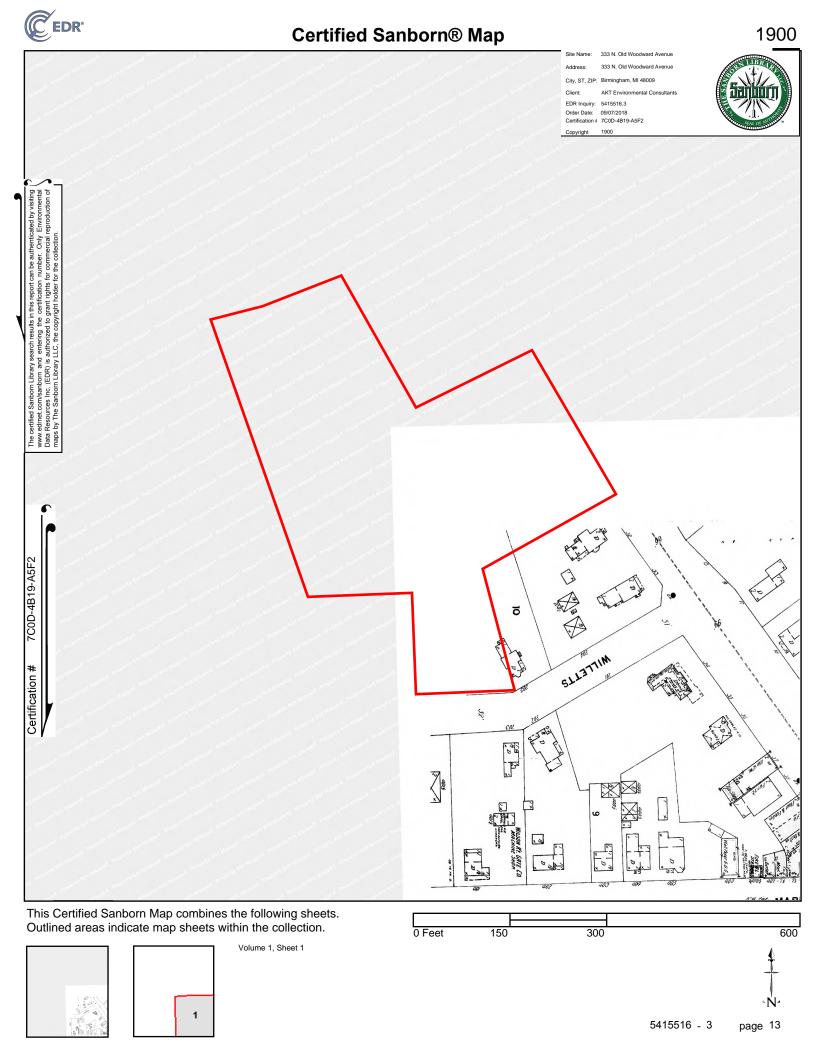


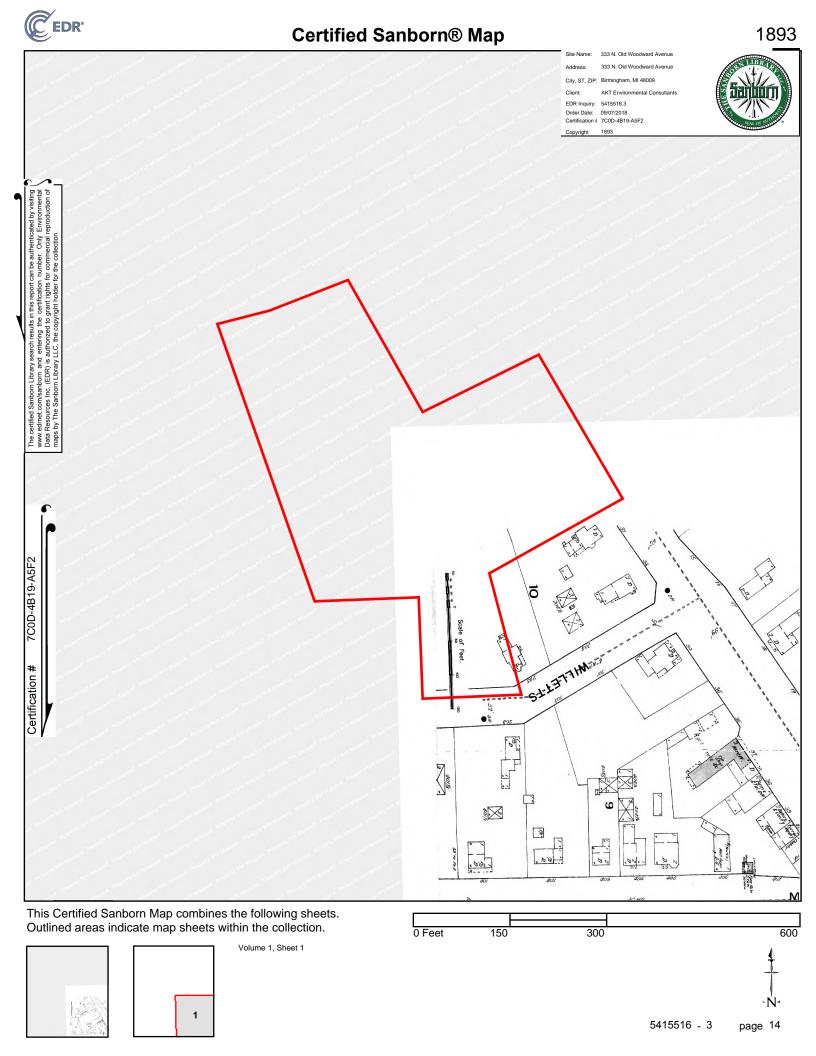
Volume 1, Sheet 6 Volume 1, Sheet 2





5415516 - 3







# Appendix G Other Relevant Documentation

333 N. Old Woodward Avenue

333 N. Old Woodward Avenue Birmingham, MI 48009

Inquiry Number: 5415516.5

September 12, 2018

## The EDR-City Directory Image Report



#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING. WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

#### **RECORD SOURCES**

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



#### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2014		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2010		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2005	$\square$	$\overline{\mathbf{V}}$	EDR Digital Archive
2000		$\overline{\checkmark}$	EDR Digital Archive
1995	$\square$		EDR Digital Archive
1992		$\overline{\checkmark}$	EDR Digital Archive
1985	$\square$		POLK DIRECTORY CO
1980			POLK DIRECTORY CO
1975	$\square$		POLK DIRECTORY CO
1970			POLK DIRECTORY CO
1965	$\square$		POLK DIRECTORY CO
1960			POLK DIRECTORY CO
1956	$\square$		POLK DIRECTORY CO
1951	$\overline{\square}$	$\overline{\square}$	POLK DIRECTORY CO
1944	$\overline{\checkmark}$		POLK DIRECTORY CO

## **EXECUTIVE SUMMARY**

Year Target Street Cross Street Source

#### **FINDINGS**

#### TARGET PROPERTY STREET

333 N. Old Woodward Avenue Birmingham, MI 48009

CD Image

**Source** 

<u>Year</u>

<u> </u>	<del>oo mago</del>	<u> </u>		
N OLD WOODWARD AVE				
2014	pg A1	EDR Digital Archive		
2010	pg A7	EDR Digital Archive		
2005	pg A14	EDR Digital Archive		
2000	pg A20	EDR Digital Archive		
N WOODV	VARD AVE			
2014	pg A2	EDR Digital Archive		
2010	pg A8	EDR Digital Archive		
2005	pg A15	EDR Digital Archive		
2000	pg A21	EDR Digital Archive		
1995	pg A24	EDR Digital Archive		
1992	pg A28	EDR Digital Archive		
1985	pg A32	POLK DIRECTORY CO		
1980	pg A35	POLK DIRECTORY CO		
1980	pg A36	POLK DIRECTORY CO		
1975	pg A39	POLK DIRECTORY CO		
1975	pg A40	POLK DIRECTORY CO		
1970	pg A42	POLK DIRECTORY CO		
1965	pg A45	POLK DIRECTORY CO		
1965	pg A46	POLK DIRECTORY CO		
1960	pg A50	POLK DIRECTORY CO		
1960	pg A51	POLK DIRECTORY CO		
1956	pg A55	POLK DIRECTORY CO		
1956	pg A56	POLK DIRECTORY CO		
1951	pg A60	POLK DIRECTORY CO		
1951	pg A61	POLK DIRECTORY CO		
1944	pg A64	POLK DIRECTORY CO		
1944	pg A65	POLK DIRECTORY CO		

5415516-5 Page 3

## **FINDINGS**

#### **CROSS STREETS**

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
N BATES ST			
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1985	-	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1980	-	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1975	-	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1970	-	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1965	-	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1960	pg. A49	POLK DIRECTORY CO	
1956	pg. A54	POLK DIRECTORY CO	
1951	pg. A59	POLK DIRECTORY CO	
1944	pg. A63	POLK DIRECTORY CO	
WILLITS ST			
2014	pg. A5	EDR Digital Archive	
2010	pg. A12	EDR Digital Archive	
2005	pg. A18	EDR Digital Archive	
2000	pg. A23	EDR Digital Archive	
1995	pg. A27	EDR Digital Archive	
1992	pg. A31	EDR Digital Archive	
1985	pg. A33	POLK DIRECTORY CO	
1985	pg. A34	POLK DIRECTORY CO	
1980	pg. A37	POLK DIRECTORY CO	
1980	pg. A38	POLK DIRECTORY CO	
1975	pg. A41	POLK DIRECTORY CO	
1970	pg. A43	POLK DIRECTORY CO	
1970	pg. A44	POLK DIRECTORY CO	
1965	pg. A47	POLK DIRECTORY CO	
1965	pg. A48	POLK DIRECTORY CO	

5415516-5 Page 4

## **FINDINGS**

<u>Year</u>	CD Image	<u>Source</u>
1960	pg. A52	POLK DIRECTORY CO
1960	pg. A53	POLK DIRECTORY CO
1956	pg. A57	POLK DIRECTORY CO
1956	pg. A58	POLK DIRECTORY CO
1951	pg. A62	POLK DIRECTORY CO
1944	pg. A66	POLK DIRECTORY CO
1944	pg. A67	POLK DIRECTORY CO

5415516-5 Page 5



Target Street Cross Street Source

→ EDR Digital Archive

		<b>g</b>
	N OLD WOODWARD AVE	2014
237	PATTERSON, JANET A SCHUMACHER, CARTER	
327	DAVIS, JAMES M ETKIN, DOUGLAS M MONIGOLD, STEPHEN A ROMANS, DEBORAH A TAUBMAN, ALEXANDER A	
350	AIKENS, ROBERT	
371	SCHMALZRIED, RICHARD W	
373	KNAFFLA, JOHN M	
377	HOWE, CYNTHIA K LAFOND, STEPHANIE A SULLIVAN, ERIN N THIEL, ROBERT	
381	HAMLIN, MARY A	
385	DECKER, WILLIAM W	
389	NIEDZINSKI, JAMES C WINGARD, DAN W WNEK, CAITLIN R	

Target Street Cross Street Source

→ EDR Digital Archive

## N WOODWARD AVE 2014

233	STACKED DELI
237	ADULTS & ADOLESCENTS IN MOTION
	CONVENIENT MANAGEMENT INC
	PANRIMO LLC
	PATHWAYS TO SELF DTRMNTION LLC
	SCHUMACHER CARTER PHD PC
	VALUE VANTAGE HEALTH PLAN LLC
239	PITA CAFE OF BIRMINGHAM
260	CHEN CHOW BRASSERIE
265	FIGO
275	ETHAN ALLEN RETAIL INC
280	AF JONNA DEVELOPMENT LLC
200	AMS BIOTEK
	BARNETT RARITIES CORPORATION
	BARONE DEFENSE FIRM
	CHAPEL OAKS ASSOC LTD PARTNR
	CORBY ELIZABETH
	DARE SALON
	DARLENE SOSNICK MA
	DAVID R HOUGH ACSW DCSW PC
	FACEBOOK INC
	FIDELITA INVESTMENTS
	FINANCIAL ADVISORS INC
	FINANCIAL RESULTS LLC
	FMR LLC
	FULKERSON GROUP
	GENEMEDICS HEALTH INSTITUTE
	GENESIS HEALTH INSTITUTE
	HENRY BUSINESS SOLUTIONS
	HOWLETT CHRIS MD
	IPG
	J & E COMMUNITY HOMES LTD
	J G FINANCIAL MANAGEMENT SVC
	JACOBSON BROTHERS
	JADDA CAPITAL MARKETS LLC
	JIOF INVESTMENTS LLC
	KIENBAUM OPPERWALL HARDY &
	LANDON COMPANIES
	LANDON MANAGEMENT INC
	LAW OFFCES JNATHON KOENIGSBERG
	LEWIS BENEFITS
	MACU HEALTH LLC
	MANOR HOMES INC
	MARANON CAPITAL ADVISORS LLC
	MARSH GRETCHEN M
	MICHAEL B SERLING PC
	MICHIGAN DRUNK DRIVING LAWYER NATIONAL FINANCIAL SVCS LLC
	NEWPORT REALTY HOLDINGS
	OPPENHEIMER & CO INC

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

#### N WOODWARD AVE 2014 (Cont'd)

280 **OXFORD FINANCIAL CORP** PHILIP J GOODMAN PC **RDS MACHINE** RETAIL CAPITAL SALON SOLEI LLC SCHNELZ WELLS PC SMITH SCHURMAN ASSOCIATES INC STRAITH GALE H **VEZINA LAW** WEISS ROBERT M 301 **BEAL BANK USA** FINK NEIL H LAW OFFICES 322 HENRY BASKIN PC **HURON COMPOSTING & RECYCL LLC LEONARD & COMPANY INC** M D O T INVESTMENTS LLC SAIC USA INC SELLERS JOHN A ATTY SHANGHAI AUTO INDUST CORP 323 OSI RESTAURANT PARTNERS LLC 325 **BEAL BANK USA** OPPENHEIMER & CO INC **RAYMOND JAMES & ASSOCIATES INC** USREIF THREE TWENTY FIVE NO **UBS FINANCIAL SERVICES INC** 344 AMERICAN CURRENCY EXCHANGE CAD KITCHEN PLANS LAW OFFICES OF PATRICK C HALL MORGANROTH & MORGANROTH THREE FRTY FOUR N WDWARD ASSOC 350 ADVANTAGE GROUP SERVICES INC AIKENS ROBERT B & ASSOC LLC **BIRETA COMPANY INC** COVINGTON HOLDING CO LLC CREATIVE CMPENSATION GROUP INC ECHO HOLDINGS LLC MACOMB HOMESTEAD LTD PARTNR MEADOWBROOK PROPERTIES INC MITTEN MALL PARTNERS LLC STRENGTH CAPITAL PARTNERS STRENGTH CAPITAL PARTNERS LLC STRENGTH PROPERTY PARTNERS LP VIBRANT MEDIA 377 **UNITED HEATING & COOLG CO LLC** 380 ARSENAL INDUSTRIES LLC **AVENIR GROUP INC** BENOIT MICHAEL W **BICK ROBERT S** DYNAMIC SYNERGY LLC **ESSAD ERNIE E** 

Target Street Cross Street Source

→ EDR Digital Archive

## N WOODWARD AVE 2014 (Cont'd)

380	FILTER TERRANCE PHD
	GOOD GLENN E
	JOHN F SCHAEFER PLLC
	LEXINGTON BCH LTD PRTNR - 1989
	MACADDINO KEVIN S
	MCDONALD AGAPE FOUNDATION
	PACIFIC ADVISORY SERVICES INC
	PANDORA MEDIA INC
	PATRICE DUQUETTE MD PC
	RATTNER RICHARD D
	SELECTINVENTORY
	STARTUPNATION MEDIA GROUP INC
	STEINHARDT PESICK COHEN
	TALAN BEVERLY S PHD
	VAUGHAN VILLAGE MOBILE HOME
	WANTIFY INC
381	HAMLIN MARY ANN
430	AHERN FLEURY P C
	DEFENSIVE HIRE LLC
	SAROKI VCTOR ASSOC ARCHTCTS PC
450	BLUE FILAMENT LAW PLLC
	MIENK LAW
460	JUNIOR LEAGUE BIRMINGHAM MI
470	E TIMES FOUR
	WILLOTT CORP
474	MARKET NORTH END
505	SALVATORE SCALLOPINI ITALIAN
	WITT ELLEN HOPE
523	FOOT SOLUTIONS
525	CORIANDER KITCHENS INC
	LUXE BAR GRILL
	OLD WOOODWARD VENTURES LLC

VALERIE L MAC FARLANE

## WILLITS ST 2014

101	DADAK HAN JEWELEDO INO
101	DARAKJIAN JEWELERS INC PRECISE TIME
104	DESIGNS UNLIMITED
	EDUCATIONAL RESOURCE TUTORS
108	THEFRAMEWORKS INC
110	INCWELL LLC
111	ALIOTO MICHAEL
	ALIOTO, MARY A
	ALRAWI, MUHSIN M
	BARFIELD, JON E
	BARR, MICHELE
	BARTHOLOMEW, DOROTHY P
	BERRY, DAVID E
	BLANCK, STUART H
	BRZUCHOWSKI, ROBERT E
	CARPENTER, VIVIAN L CLARK, GLEN L
	CUNNINGTON, THOMAS W
	DEMARE, DO
	DOLIK, MICHAEL N
	DUBRINSKY, MICHELE E
	EVANS, IVOR J
	FELDMAN, MARTY G
	FRITZ, BARBARA J
	KENNY, LINDA J
	MCDONALD, EDWARD
	OPIE, JOHN D
	OWEN, MARY M
	PENNA, FRANK J
	RICHIE, LEROY C
	ROSE, DAVID H ROSENBERG, PAUL
	ROSIN, ROBERT M
	ROSSMAN, KATIE
	SASSON, ENRIKO E
	SASSON, STEFENIE D
	SISCO, DAN L
	STARLITE RETENTION SVCS LLC
	STEINBERG, LEE B
	STEVENS, DEREK J
	WARK, CINDY
	WIENER, GAIL H
	WILLITS
114	YELLEN, JORDAN GOOGLE INC
115	RUTHS HOSPITALITY GROUP INC
117	RUTHS HOSPITALITY GROUP INC
300	FIRST RGLR BPTST CHRCH & SCTY
- <del>-</del>	GATEWAY MONTESSORI SCHOOL
380	KUKES, MICHAEL I

Target Street Cross Street Source
- Source EDR Digital Archive

WILLITS ST 2014 (Cont'd)

382	RUBIN, LAURENCE E
412	KURAJIAN, GEORGE M
424	KAUFMAN, STUART M
448	GARDNER, MARY M
468	HODGSON, DEREK F
487	MILLER-SHAW BUNNY MSW BCD
	SHAW, MELVIN P
488	KELLEY INVESTMENTS LLC
	SPENCER, WILLIAM F
504	AMWAY HOME PRODUCTS
	SOEDING INTERNATIONAL INC
	SOEDING, OTTO H
520	OCCUPANT UNKNOWN,
532	CITRIN, ROBERT M

Target Street Cross Street Source

- EDR Digital Archive

## N OLD WOODWARD AVE 2010

	N OLD WOODWARD AVE 2010
	COLUMN CUED CARTER
237	SCHUMACHER, CARTER
327	MARJORIE, G R
367	ROSE, MARG ADDISON-KAFTON, L L
369	OSTDIEK, DAVID
371	SCHMALZRIED, RICHARD W
377	THIEL, CHARLES L
380	MATLEN, TERRY
385	BENECCHI, ANTONIO

Target Street Cross Street Source

- EDR Digital Archive

## N WOODWARD AVE 2010

222	STACKED DELI
233	
237	ABOODY-KERR ASSOCIATES
	CONVENIENT MANAGEMENT INC
	MEDICAL VLG ASSOC II LTD PRTNR
	MILL POINT ASSOC LTD PARTNR
	PITA CAFE OF BIRMINGHAM
	PURE NRG LLC
	SCHUMACHER CARTER PHD PC
	VALUE VANTAGE HEALTH PLAN LLC
250	UPTOWN PALLADIUM 12 THEATRE
260	CHEN CHOW BRASSERIE
265	FIGO
275	ETHAN ALLEN RETAIL INC
280	ADVANCED SLEEP DISORDER CENTER
	BARNETT RARITIES CORPORATION
	BARONE DEFENSE FIRM
	BIRMINGHAM DELI
	BRIDGESTONE CAPITAL
	CHAPEL OAKS ASSOC LTD PARTNR
	CORBY ELIZABETH DR
	DARLENE SOSNICK MA
	DAVID R HOUGH ACSW DCSW PC
	EMPIRE HOSPITALITY PRPTS LLC
	FACEBOOK INC
	FIDELITA INVESTMENTS
	FINANCIAL ADVISORS INC
	FMR LLC
	HENRY BUSINESS SOLUTIONS
	HOWLETT CHRIS MD
	INTERNAL MEDICINE PRIMARY CARE
	J & E COMMUNITY HOMES LTD
	J G FINANCIAL MANAGEMENT SVC
	JACOBSON BROTHERS
	JADDA CAPITAL MARKETS LLC
	JIOF INVESTMENTS LLC
	KIENBAUM OPPERWALL HARDY &
	LAW OFFCES JNATHON KOENIGSBERG
	LITTELFUSE INC
	LOIZON JOHN N PC
	MARANON CAPITAL ADVISORS LLC
	MAZY GILLIS
	MICHAEL B SERLING PC
	NATIONAL FINANCIAL SVCS LLC
	OMNI INVESTMENT GROUP
	OPPENHEIMER & CO INC
	OXFORD FINANCIAL CORP
	PHILIP J GOODMAN PC
	R J S PROPERTIES
	SCHNELZ WELLS PC
	SPEEDSHAPE INC

Target Street Cross Street Source

→ EDR Digital Archive

## N WOODWARD AVE 2010 (Cont'd)

280	STONECLIFFE ENTERTAINMENT INC	
	STRAITH GALE H	
	SUNSAIR	
	SURGITECH SURGICAL SVCS INC	
	TARNOW KNOWS DOORS	
	ULTIMAX CEMENT INCORPORATED	
	WEISS ROBERT M	
301	BEAL SERVICE CORP	
322	BINAH SYSTEMS INC	
	DAVID B GUNSBERG PC	
	FINK NEIL H LAW OFFICES	
	HENRY BASKIN PC	
	HURON COMPOSTING & RECYCL LLC	
	HYMAN LIPPITT P C	
	M D O T INVESTMENTS LLC	
	MAGNESIUM TECHNOLOGIES CORP	
	MILLIMAN MICHAEL G	
	POWELL MURPHY & ADOLF PLLC	
	RJG FAMILY HOLDINGS LLC	
	SCHLUSSEL & SCHEFMAN PLLC	
	SHIREGROUP LLC	
	TMK PROPERTY MANAGEMENT L	
323	FLEMINGS PRIME STEAKHOUSE	
325	BURTON CATZMAN DEVELOPMENT	
	RAYMOND JAMES & ASSOCIATES INC	
	U S REIF THREE TWENTY FIVE N O	
	UBS FINANCIAL SERVICES INC	
344	AMERICAN CURRENCY EXCHANGE	
	GOLDEN LIMOSINE	
	LAW OFFICES OF PATRICK C HALL	
	THREE FRTY FOUR N WDWARD ASSOC	
350	ADVANTAGE GROUP SERVICES INC	
	AIKENS ROBERT B & ASSOC LLC	
	ALLYACK LLC	
	BIRETA COMPANY INC	
	COVINGTON HOLDING CO LLC	
	CREATIVE CMPENSATION GROUP INC	
	EMMI INVESTIGATIONS	
	EVS INC	
	LASALLE SYSTEMS LEASING I	
	MACOMB HOMESTEAD LTD PARTNR	
	MEADOWBROOK PROPERTIES INC	
	POSTLE OPERATING LLC	
	PREC WEST LLC	
	STRENGTH CAPITAL PARTNERS LLC	
	STRUCTURED INFORMATION	
	TEMPLE OPERATING LLC C/O STRE	
	VIBRANT MEDIA	
373	KEITH MERIEDETH AND ASSOCIATES	
377	UNITED HEATING & COOLG CO LLC	

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

## N WOODWARD AVE 2010 (Cont'd)

380 AVENIR GROUP INC

BALLPARK PRODUCTIONS LLC

BC PHASE II INC BICK ROBERT S

BIRMINGHAM BLOOMFIELD CHAI CTR

CHASE LAKE LLC

CHECKPOINT SOFTWARE

COUNTRYSIDE II LTD PARTNERSHIP

ELIA & ASSOCIATES PC

FILTER TERRANCE PHD

FORD RODNEY K ACSW BCD

**FUSE COMMUNICATION LTD** 

**GOOD GLENN E** 

JAMISON MANAGEMENT COMPANY

JOHN F SCHAEFER PLLC

KLM PHARMACY INC

KRELL IP INTERNATIONAL LLC

LEXINGTON BCH LTD PRTNR - 1989

MACADDINO KEVIN S

MELA DEVELOPMENT COMPANY

MID CONTINTAL DEV GP LTD PRT

MIDDLMRKET CPITL MNAGMENTT LLC

NOVECK DANIEL ATTORNEY AT LAW

PACIFIC ADVISORY SERVICES INC

PATRICE DUQUETTE MD PC

PINGITORE TAMMY MSW

PORTER ENGINEERED SYSTEMS OHIO

PREPAID COMMUNICATIONS SVC LLC

PROGREEN PROPERTIES INC

RH BLUESTEIN & CO

SILLMAN ENTERPRISES INC

STAHL ASSOC INC

STEINHARDT PESICK COHEN

TALAN BEVERLY S PHD

TORUS CAPITAL LLC

UNIVERSITY GROUP INC

VAUGHAN VILLAGE MOBILE HOME

430 AHERN FLEURY P C

**LEONARD & COMPANY INC** 

SAROKI VCTOR ASSOC ARCHTCTS PC

STRATEGIC STAFFING GROUP LLC

450 BORMAN PAUL CO

BRODY DOMUS VENTURES A MICHIGA

CHERRY HILL DENTON GROUP LLC

ICE HOUSE 220 LLC

460 BAMAL CORP

JUNIOR LEAGUE BIRMINGHAM MI

WALKERSEARCHGROUP

470 E TIMES FOUR

MARTIN & LLOYD ENTERPRISES COR

Target Street Cross Street Source

- EDR Digital Archive

## N WOODWARD AVE 2010 (Cont'd)

		N WOODWAND AVE	2010	(Cont a)
	470	NIAGARA MURANO		
		TOUCH INC		
		WILLOTT CORP		
	474	ROOT SPROUT		
	505	BIRMINGHAM VENTURES INC		
		ROUSH INDUSTRIES		
		WITT ELLEN HOPE		
	523	FOOT SOLUTIONS		
п				

## WILLITS ST 2010

	***************************************
104	DESIGNS UNLIMITED
104	SNAP FITNESS
111	ALIOTO MICHAEL
111	ALIOTO MICHAEL D
	,
	ALLEN, WILLIAM R
	ATWATER FOUNDATION
	BARNETT, RICHARD K
	BARTHOLOMEW, DOROTHY P
	BLANCK, STUART H
	BRUCE KAPLAN
	CARPENTER, VIVIAN L
	CLARK, GLEN L
	CREIGHTON, LORENZO D
	DEANA, BENADERET
	DOROTHY, GRAEBNER
	DUBRINSKY, MICHELE E
	FELDMAN, MARTIN G
	FRITZ, BARBARA J
	GILROY, MARCIA E
	GODARD, WHITNEY
	GOLDSMITH, RICHARD A
	GRAEBNER, SUSAN J
	HARRIS, STEVEN J
	HOGAN, CHRIS
	JUNG, JERROLD M
	KAPLAN, ROBERT
	KUZIEMKO, CHET F
	LEVINE, SINDY
	MCDERMOTT, RICHARD P
	MCDONALD, BRUCE E
	OSBORNE, LISA J
	PICEU, BONNIE S
	RATTNER, LILIANE R
	ROSENBERG, PAUL
	ROSIN, ROBERT M
	ROSSMAN, KATIE
	SANDWEISS, SHELDON W
	SARETSKY, GARY M
	SASSON, ENRIKO E
	SASSON, STEFENIE D
	STARLITE RETENTION SVCS LLC
	STEINBERG, LEE B
	STEVEN J HARRIS COMMUNICATIONS
	STEVENS, DEREK J
	THOMAS, CUNNINGTON
	WARK, CINDY
	WARK, RICK
	WASSERMAN, GARY
	WEBSTER, MICHAEL E
	WIENER, GAIL H
	WIENER, GAIL II

Target Street Cross Street Source
- Source EDR Digital Archive

WILLITS ST 2010 (Cont'd)

111	WILLITS
	WOODY, KIM P
114	GOOGLE INC
115	RUTHS HOSPITALITY GROUP INC
117	RUTHS HOSPITALITY GROUP INC
300	FIRST RGLR BPTST CHRCH & SCTY
	GATEWAY MONTESSORI HOUSE INC
	GATEWAY MONTESSORI SCHOOL
376	ROBERT, F
382	OCCUPANT UNKNOWN,
412	KURAJIAN, GEORGE M
424	KAUFMAN, STUART M
468	HODGSON, DEREK F
487	MILLER-SHAW BUNNY MSW BCD
	SHAW, MELVIN P
488	SPENCER, WILLIAM F
504	AMWAY HOME PRODUCTS
	SOEDING INTERNATIONAL INC
	SOEDING, OTTO H
520	OCCUPANT UNKNOWN,
532	CITRIN, ROBERT M

Target Street **Cross Street** <u>Source</u> **EDR** Digital Archive

	N OLD WOODWARD AVE 2005
209	ERIC, CHARLES
211 237	KILLIAN, BRIAN J KOLASA, LAWRENCE F
201	SCHUMACHER, CARTER
280	WEILLE, EDWARD J
367 369	ADDISON-KAFTON, L L SCHMALZRIED, RICHARD W
371	BOYER, MICHAEL M
377	OBERSKI, JENNIFER
380 381	BLOCH, BRIAN M OCCUPANT UNKNOWN,
385	BENECCHI, ANTONIO
389	KOSS, HAROLD J

Target Street Cross Street Source

- EDR Digital Archive

## N WOODWARD AVE 2005

233	GOOMBAHS PIZZERIA
237	ABOODY-KERR ASSOCIATES
	ART OF LEADERSHIP FOUNDATION
	PITA CAFE OF BIRMINGHAM
	VALUE VANTAGE HEALTH PLAN LLC
220	VANDERWORP DESIGN GROUP MAJIC LAMP
239	UPTOWN PALLADIUM 12 THEATRE
250 260	PAMPAS CHURRASCARIA
265	FIGO
205 275	ETHAN ALLEN INC
275 280	BARONE DEFENSE FIRM
200	BAYBERRY TROY LLC
	BERMAN LEON E MD
	BIRMINGHAM DELI
	BLOOMFIELD FINE ART GALLERY
	CANTON I LP
	CANTON ONE LLC
	CORBY ELIZABETH DR
	DETROIT ART SERVICES INC
	EMPIRE HOSPITALITY PRPTS LLC
	GOODMAN PHILIP J PC
	HIDDEN GLEN APARTMENTS CANTON
	HOUGH DAVID R ACSW DCSW PC
	HOWLETT CHRIS MD
	J F K INVESTMENT
	KNOWLEDGE BASED SOLUTIONS
	LIFE SETTLEMENT SERVICES
	LITTELFUSE INC
	LOIZON JOHN N PC
	MAZY GILLIS
	OXFORD PARK TOWERS OF BERKLEY
	PALLADIN GROUP INC
	PATRICK T BARONE PLLC
	R & J WAVERLY LLC
	SAND BAR
	SEDGWICK OPTICIANS
	SPEED SHAPE
	SPEEDSHAPE INC
	WEISS ROBERT M
296	R J SWOPE/ASSOCIATES
322	DAVID B GUNSBERG PC
	FLORIDA COAST PROPERTIES LLC
	HYMAN LIPPITT P C
	LAW OFFCES BRYAN SCHEFMAN PLLC
	LAW OFFICES OF DAVID MEND
	M D O T INVESTMENTS LLC
	MAGNESIUM TECHNOLOGIES CORP
	TACTICAL ALLOCATION GROUP LLC
	TMK PROPERTY MANAGEMENT L

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

#### N WOODWARD AVE 2005 (Cont'd)

325 **BROGAN PRTNERS ADVG CNSULTANCY BURTON CATZMAN DEVELOPMENT** 344 ABC FUNDING CORP KATO CONSTRUCTION INC **RAYMOND JAMES & ASSOCIATES** THREE FRTY FOUR N WDWARD ASSOC 350 ADVANTAGE GROUP ASSOCIATES OF BIRMINGHAM INC CYMERC EXCHANGE INC **DEMERY COMPANY EMMI INVESTIGATIONS** HENRY FORD HEALTH SYSTEM **INTERNATIONAL MERGERS & ACQUIS** LASALLE SYSTEMS LEASING I MAYFAIR INSURANCE AGENCY INC MEADOWBROOK PROPERTIES INC METZLER LOCICERLIEO SERRA & CO PLASMA DISPLAY SYSTEMS LLC 380 480 PIERCE ASSOC LTD PART ALLSTATE REALTY ALTERNATIVE FUTURES INC **AVENIR GROUP INC** BIRMINGHAM BLOOMFIELD CHAI CEN CCR INVESTMENTS LLC CHASE LAKE LLC CHECKPOINT SOFTWARE COUNTRYSIDE II LTD PARTNERSHIP **DEEPVIEW SYSTEMS FUSE COMMUNICATION GOOD GLENN E** HERITAGE SQUARE PHASE 2 LLCA JAMISON MANAGEMENT COMPANY JIMCAM INC KLM PHARMACY INC KP HOLDINGS LLC LABE ROBERT B PC LESLIE GROUP LTD PARTNERSHIP MID CONTINTAL DEV GP LTD PRT MIDDLMRKET CPITL MNAGMENTT LLC MIYAKO GLC INC **NOVECK DANIEL ATTORNEY AT LAW** PATRICE DUQUETTE MD PC PEBBLE CREEK LTD PARTNR 1992 PINGITORE TAMMY MSW PLATINUM ASSOC PORTER ENGINEERED SYSTEMS OHIO PREPAID COMMUNICATIONS SVC LLC RELATIONAL LLC SANDY STONEHILL LLC

SHELBY PROPERTY INVESTORS LLC

Target Street Cross Street Source

- EDR Digital Archive

## N WOODWARD AVE 2005 (Cont'd)

380	SILLMAN ENTERPRISES INC SOUTH CREEK VILLAGE LTD PARTNR
	STAHL ASSOC INC
	UNIVERSITY GROUP INC
	VAUGHAN VILLAGE MOBILE HOME VS LIMITED PARTNERSHIP
	WESTMINSTER CERAMICS LLC
	WILDER ROAD PLAZA INC
430	AEREOUS
400	ATWOOD K A INC
	DIGITAL DETROIT LLC
	MAIN STREET USA INSURANCE LLC
	SAROKI VCTOR ASSOC ARCHTCTS PC
450	BRODY DOMUS VENTURES A MICHIGA
	BROWN PROPERTIES CORP
	CHERRY HILL DENTON GROUP LLC
	ICE HOUSE 220 LLC
	SHAH SHOBHA MD
460	JUNIOR LEAGUE BIRMINGHAM MI
470	SANDRA COLLINS INC
	WILLOTT CORP
474	ARKITEKTURA SHOWROOMS INC
500	MIRO MIRO & WEINER
505	BIRMINGHAM VENTURES INC
523	FOOT SOLUTIONS
	POSNER GALLERY

**WILLITS ST** 2005

101 **ILLUSIONS BY SHERRI INC** JAMES SYMINGTON 111 ALIOTO MICHAEL ALIOTO, MICHAEL

ANDERSON, MATTHEW L

ASARO, ANDREW J

BARNETT, RICHARD K

BARR, BRIAN

BENADERET, STEVEN T

BIRETA, LAWRENCE

BLANCK, STUART H

BUDMAN, HELEN W

CLARK, PHYLLIS A

**CUMMINGS, PETER** 

CUNNINGTON, THOMAS W

DAVIS, MARK W

DAWES, ALAN

DOROTHY, GRAEBNER

DUBRINSKY, MAX M

ERB, FRED

FRITZ, BARBARA J

GILROY, MARCIA K

GODARD, NICOLE P

HARRIS, STEVEN J

HENDERSON, JAMES L

INTERDISCIPLINARY MEDICAL MGT

JORDAN, ARTHUR E

KAPLAN, BRUCE M

KOLARCHICK, PATRICK A

KUZIEMKO, CHET F

MCDONALD, BRUCE E

MOORADIAN, DENNIS J

RATTNER, LILIANE R

RICHIE, LEROY C

ROCHERT, JUERGEN M

ROGERS, CHARLES B

ROSE, ROBERT C

ROSIN, ROBERT M

ROSSMAN, KATIE

SANDWEISS, SHELDON W

SHORE, NOAH J

STEINBERG, LEE B

STEVEN J HARRIS COMMUNICATIONS

STEVENS, DEREK J

STYCHNO, NESTOR A

WEBSTER, MICHAEL E

WILLITS MARKETING CENTER

115 **CAMERON STEAKHOUSE** 

117 CAMERON MITCHELL RESTAURANTS L

MITCHELLS FISH MARKET

Target Street Cross Street Source
- Source EDR Digital Archive

WILLITS ST 2005 (Cont'd)

237	FAB
300	FIRST RGLR BPTST CHRCH & SCTY
	GATEWAY MONTESSORI SCHOOL
376	ROBERT, F
380	OCCUPANT UNKNOWN,
382	NEDERLANDER, RICKI M
412	BERKOV, S M
424	KAUFMAN, STUART M
448	OCCUPANT UNKNOWN,
468	HODGSON, DEREK F
487	MILLER-SHAW BUNNY MSW BCD
	MILLER-SHAW, BERNETTA
488	JACOB, ANDREW C
504	SIGL, ANDREAS
520	OCCUPANT UNKNOWN,
532	CITRIN, ROBERT M

Target Street Cross Street Source

→ EDR Digital Archive

## N OLD WOODWARD AVE 2000

19	91	COHEN, ALLEN		
		REITZ, GRAYDON		
	37	SCHUMACHER, C		
	55	LEWIS, HILL		
28	30	BEAUDOEN, R		
		BLAESING, LOIS C		
		CARLSEN, MARION H		
		CLARK, JOHN N		
		DUBIN, MORRIE L		
		DUBRINSKY, M		
		FLOREK, M		
		HOUGH, DAVID R		
		HOWLETT, C		
		MICHAELS, MELODEE A		
		PELTON, H		
		SERLING, M		
		SOSNICK, D		
	50	FELDMAN, SHARON M		
	69	BROWN, ANTHONY S		
	71	OCCUPANT UNKNOWN,		
	73	CODY, F K		
38	30	AMISS, LEWIS T		
		BANKS, SHARON A		
		BATEY, T		
		CHAPLA, J M		
		COHEN, E		
		FORD, RODNEY K		
		FREILICH, SHELDON L		
		FRIEDMAN, H		
		GLUSKI, J		
		KURVI, ANNIKKI A		
		MATLEN, TERRY A		
		PARKER, SANDRA W		
		PINGITORE, TAMMY M		
		ROWLAND, JANE		
		RUBY, BRIAN D		
		SCHOUTEN, J		
		VALENTINE, NATALIE M		
		WEINBERG, LANCE M		
		WILLIAMS, J		
		WILLS, ROBERT M		
		YOCHIM, WILLIAM A		
_		YONKEE, MARY P		
	B1	BRADICK, D G		
	35	OCCUPANT UNKNOWN,		
38	39	GORDON, ABRAHAM S		

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

#### N WOODWARD AVE 2000

237 ABOODY-KERR ASSOCIATES IMMIGRATION LAW CENTER KOLASA LAWRENCE F PITA CAFE OF BIRMINGHAM VALUE VANTAGE HEALTH PLAN LLC 265 **FIGARO** 275 ETHAN ALLEN INC 280 BARNETT RARITIES CORPORATION BERMAN LEON E MD BIRMINGHAM VISION CARE INC BLASING LOUIS C PC **BLOOMFIELD FINE ART GALLERY CANTON I LTP CANTON ONE LLC** D RESTAURANTS INC DHS MANAGMENT COMPANY LLC **EUROPEAN FACIAL STUDIO INC FAHNESTOCK & CO INC** FIDELITY BROKERAGE SERVICES FINANCIAL ADVISORS INC **GETSOFF MICHAEL T** GIFFORD KRASS GROH SMIEREC **GOODMAN PHILIP J PC** HIDDEN GLEN APARTMENTS CANTON HOMECORP LLC HOWLETT CHRIS MD J & E COMMUNITY HOMES LTD J G FINANCIAL MANAGEMENT SVC LOIZON LOIZOS JOHN W ARCH LOIZON-LOIZOS JOHN W ARCHITEC MFL LLC PALLADIN GROUP INC REAL ESTATE INVESTMENT ASSOC ROSSETTI ASSOCIATES INC SAND BAR SERLING MICHAEL B PC WASHTENAW COMMERCIAL LAND INV WEISS ROBERT M 344 ABC FUNDING CORP **RAYMOND JAMES & ASSOCIATES** SULLIVAN & ASSOCIATES INC THREE FRTY FOUR N WDWARD ASSOC 350 ASSOCIATES OF BIRMINGHAM INC **BIRETA COMPANY INC EVS INC** HENRY FORD HEALTH SYSTEM **INTERNATIONAL MERGERS & ACQUIS** RDM HOLDINGS LTD 380 4-D PHARMACY MGT SYSTEMS

480 PIERCE ASSOC LTD PART

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

## N WOODWARD AVE 2000 (Cont'd)

380 ALTERNATIVE FUTURES INC ASSOC PSYCHOTHERAPISTS P **AVENIR GROUP INC AVENIR INC BRENTWOOD GROUP LTD** CENTER FOR PER GRWTH DVELOPMEN CREATIVE IDEAS UNLIMITED INC FCG ENTERPRISES INC FORD RODNEY K ACSW BCD GEM RESEARCH LABORATORY INC **GOOD GLENN E** HENDERSON MELINDA PHD JAMISON MANAGEMENT COMPANY JIMCAM A MI CO PARTNERSHIP JIMCAM INC JOHN F SCHAEFER ESQ KEYSTONE MANAGEMENT COMPANY KNIGHT PRESCRIPTION SERVICES KNIGHT SERVICE CO INC LANCE INVESTMENT CO MIDDLEMARKET CAPITAL MGT CO LC **NOVECK DANIEL** PACIFIC ADVISORY SVCS INC PREPAID COMMUNICATIONS SVC LLC STAHL ASSOC INC UNIVERSITY GROUP INC VAUGHAN VILLAGE MOBILE HOME WILLIAMS WILLIAMS RUBY WILLS ROBERT M ACSW 430 DIGITAL DETROIT LLC OK HARRIS WORKS OF ART 450 SHAH SHOBHA MD 460 JOHN THOMAS MAYFAIR INSUR AGCY 470 **BANDER GUNS & AMMO RED SALON** SANDRA COLLINS INC **TOCCALINO COSMETIC STUDIO** 

ARKITEKTURA SHOWROOMS INC BIRMINGHAM VENTURES INC

SAROKI VCTOR ASSOC ARCHTCTS PC

474

505 525 5415516.5 Page: A22

Target Street Cross Street Source
- Source EDR Digital Archive

## WILLITS ST 2000

300	FIRST RGLR BPTST CHRCH & SCTY
	GATEWAY MONTESSORI SCHOOL
	TEAM CENTER
380	KUKES, MICHAEL I
382	NEDERLANDER, RITA
412	OCCUPANT UNKNOWN,
424	KAUFMAN, STUART M
448	GOLDMAN, SIDNEY
468	HODGSON, DEREK F
487	MILLERSHAW, B
488	MAYNE, M M
504	CAVANAUGH, PATRICK H
520	REGHANTI, VIOLET J
532	OCCUPANT UNKNOWN,
544	COHEN, ERIC

Target Street Cross Street Source

→ EDR Digital Archive

## N WOODWARD AVE 1995

209	CHICAGO SOCIAL CLUB INC
	IN HOUSE ADVERTISING LTD
211	BRIAN KILLIAN & COMPANY INC
	START GALLERY INC
215	MONASEE CORP (NOT INC)
217	LUOMO TUXEDO
233	TOTAL CREATIVE
237	ABOODY-KERR ASSOCIATES
	KAYS IRVING DRAP & BEDSPREADS
	MAGIC LAMP CAFE
	NATIONAL PROGRAMMING SERVICES
	RESIDENTIAL MORTGAGE CORP
	TAYLOR AMIE
	TOTAL CREATIVE
280	ATA ASSOCIATES LTD PARTNERSHIP
200	BAINBRIDGE LTD
	BERMAN LEON E MD
	BETTY GRABER MSW
	BIG RAPIDS BLDG CO LTD PARTNR
	BIRMINGHAM VISION CARE INC
	BLOOMFIELD FINE ART GALLERY
	BURL COMPANY THE
	CASTLE PARTNERS LTD PARTNR
	CLINTON MANOR ASSOCIATES
	D RESTAURANTS INC
	DAVID R HOUGH ACW DCW PC
	FAMILY SYSTEMS PC
	FIDELITY BROKERAGE SERVICES
	FINANCIAL ADVISORS INC
	FIRST OF MICHIGAN CORPORATION
	FISHFUN ENTERPRISES INC
	FREIER M L MD PC
	GETSOFF MICHAEL T
	GIFFORD GROH SPRINKLE
	GOODMAN PHILIP J PC
	GORDON MANAGEMENT COMPANY INC
	GRANT MARTIN D
	GRINSTEIN R JWLY & DESIGN INC
	GRUBB & ELLIS COMPANY
	J & E COMMUNITY HOMES LTD
	J G FINANCIAL MANAGEMENT SVC
	LAW OFFICES FRED GORDON PC
	MARGOTS EROPEAN FACIAL STUDIO
	MARKETING CONCEPTS INTL
	MOROF LEE H
	OAKLAND PROPERTIES INC
	R J S PROPERTIES
	R T R OPERATING CORPORATION
	REAL ESTATE FINANCIAL CORP
	REAL ESTATE INVESTMENT ASSN

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

## N WOODWARD AVE 1995 (Cont'd)

280 RIDGEWOOD ASSOC LTD PARTNR

ROGERS LAWRENCE

ROSSETTI ASSOCIATES INC

SERLING MICHAEL B PC

TECHNICAL WRITING AND ENGRG CO WASHTENAW COMMERCIAL LAND INV

WATSON-SWOPE GRPHIC CMMNCTIONS

WEISS ROBERT M WILLIAM BARISH ATY

WOLFE WARREN E MD PC INC WOODS CHARLES J MD PC WORDEN & COMPANY INC

308 OSHEA & ASSOCIATES

344 ABC FUNDING CORP

KOJAIAN MANAGEMENT CORPORATION

P R JINGOZIAN & ASSOCIATES

**RONEY WILLIAM C & CO** 

SULLIVAN & ASSOCIATES INC

THREE FRTY FOUR N WDWARD ASSOC

350 380 CORPORATION

BIRETA COMPANY INC

DAVISON PARK ONE INC

FAMILY TIME RESTAURANT INC

GATEWAY COMMERCE CENTER INC

HENRY FORD HEALTH SYSTEM

HOFER & BEATTY INC MACALOON DONALD J

METZLER LOCRICCHIO & CO PC

THE 350 GROUP LLC

WELLINGTON PLACE APARTMENTS

377 COMPONENT SYSTEMS MANAGEMENT

380 4-D PHARMACY MGT SYSTEMS

ATLANTIC HOLDINGS INCORPORATED

AUDLEY GROUP

**BAEUMONT FOUNDATION** 

BEAUMONT FOUNDATION (INC)

**BLOCH BROTHERS CORPORATION** 

**BLOCH REALTY GROUP INC** 

BLUESTEIN R H INC

**BRENTWOOD GROUP LTD** 

**BRIAN REALTY INC** 

**BROADWAY HOLDINGS INC** 

CASCADES VILLAGE LTD PARTNR

CREATIVE IDEAS UNLIMITED INC

DR GOOD

FIRST CNTNTL SCRTS CORP AM

**FULLER REALTY CO** 

GEM RESEARCH LABORATORY INC

GEM RESEARCH REPLACEMENT SVCS

HENDERSON MELINDA PHD

Target Street Cross Street Source

✓ - EDR Digital Archive

## N WOODWARD AVE 1995 (Cont'd)

380	JAMISON MANAGEMENT COMPANY
	JIMCAM
	JIMCAM A MI CO PARTNERSHIP
	KEYSTONE MANAGEMENT COMPANY
	KNIGHT SERVICE CO INC
	LAND CONCEPTS GROUP
	NOVECK DANIEL
	PINEWOOD CREEK ASSOCIATES
	STAHL ASSOC INC
	TROY MEDICAL PLAZA PHARMACY
	UNIVERSITY GROUP INC
	WILLIAMS SCHFER RUBY WLLAMS PC
430	BETSYM INC
	CENTER FOR PER GRWTH DVELOPMEN
	CONSOLIDATED INDUSTRIAL CORP
	FORBES G H ASSOC ARCHITECTS PC
	KLEIN GALLERIES LTD THE
	OK HARRIS WORKS OF ART
	ROBINSON RICHARD A JEWELRY
	SMART START CONSULTING INC
450	B MD PC CHODORKOFF
400	BORNSTEIN MELVIN MD PC
	IRON & METALS RES & DEV CO
	KULISH NANCY PHD
	MILETIC MICHAEL MD
	SPIVAK DON A
400	0
460	JOHN THOMAS MAYFAIR INSURANCE
470	BANDER GUNS & AMMO
	GRAY WILLIAM F ASSOCIATES
	SANDRA COLLINS INC
474	ARKITEKTURA SHOWROOMS INC
	KASSABIAN BUILDERS
505	BIRMINGHAM VENTURES INC
	GILES THOMAS V AND ASSOC
523	HAMPTON HOUSE LTD-INTRS ANTIQ

Target Street Cross Street Source
- Source EDR Digital Archive

	·	EBIT Digital Alcilive	
	WILLITS ST	1995	
243 300 380 382 412 424 448 468 488 520 532 544	NATIONAL GARAGES FIRST BAPTST CHURCH BIRMINGHAM KUKES & ASSOCIATES INC NEDERLANDER, RITA OCCUPANT UNKNOWNN TOWNSEND, LYNN GOLDMAN, SIDNEY H HODGSON, DEREK F MAYNE, M M REGHANTI, THOMAS J CITRIN, ROBERT M WOODROW WILSON & CROSS INC WOODROW, BARRY		

Target Street Cross Street Source

- EDR Digital Archive

## N WOODWARD AVE 1992

209	DUKE GALLERY
	IN HOUSE ADVERTISING INC
211	BRIAN KILLIAN & COMPANY INC
215	MONASEE CORP (NOT INC)
217	LUOMO TUXEDO
237	ABOODY-KEER ASSOCIATES
	KAYS IRVING DRAP & BEDSPREADS
	NATIONAL PROGRAMMING SERVICES
	TALBERT DICK & ASSOCIATES
	WZACNY CHRISTOPHER & ASSOC
275	JACOBSON STORES INC
280	ADVICE INC
	AMBER PHOTOGRAPHICS
	ATA ASSOCIATES LTD PARTNERSHIP
	ATTIC SHOP
	BAINBRIDGE LTD
	BERMAN LEON E MD
	BETTY GRABER MSW
	BIG RAPIDS BLDG CO LTD PARTNR
	BIRMINGHAM BEAD STORE
	BIRMINGHAM VISION CARE INC
	BURL COMPANY THE
	CLINTON MANOR ASSOCIATES
	D RESTAURANTS INC
	DENNIS MEIERS PRODUCTIONS
	FAMILY SYSTEMS INC
	FIRST OF MICHIGAN CORPORATION
	FREIER M L MD PC
	GETSOFF MICHAEL
	GIFFOD VN O S S P C
	GORDON MANAGEMENT COMPANY INC
	GREENVILLE COMMERCIAL DEV CORP
	GREG DIETBERG
	GRINSTEIN R JWLY & DESIGN INC
	GRUBB & ELLIS COMPANY
	J & E COMMUNITY HOMES LTD
	J G FINANCIAL MANAGEMENT SVC
	LAW OFFICES FRED GORDON PC
	MARGOTS EROPEAN FACIAL STUDIO
	MARKETING CONCEPTS INTL
	MOROF LEE H
	MULTI-FAMILY PRPRTS ASSOC
	NORTH PNT-LAKEWOOD CLINIC P C
	PARK SHELTON CO
	PONTIAC SHOPPING CENTER DEV
	R J S PROPERTIES
	R T R OPERATING CORPORATION
	REAL ESTATE FINANCIAL CORP
	REAL ESTATE FINANCIAL CORP
	RICHMOND COMMERCIAL LAND DEV
	CONTRACTOR CONTRICTOR ALCOHOL LAND TO THE V

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - EDR Digital Archive

### N WOODWARD AVE 1992 (Cont'd)

280 **ROGERS LAWRENCE ROSSETTI ASSOCIATES INC** SERLING MICHAEL B PC SHERMAN SHOES INC SPECIAL BAKERIES OF MICHIGAN TECHNICAL WRITING & ENGRG CO TRAYNE INVESTMENT CORPORATION TRU-FIT INTERNATIONAL TRUE FAUX JEWELRY STORE WASHTENAW COMMERCIAL LAND INV WATSON-SWOPE GRPHIC CMMNCTIONS WILLIAM BARISH ATY WOLFE WARREN E MD PC WOODS CHARLES J MD PC **WORDEN & CO INC** YATES PHYLLIS J PHD 308 **OSHEA & ASSOCIATES** 322 **COMERICA BANK-DETROIT** 334 **RONEY WILLIAM C & CO** 344 HERTZBERG AND GOLDEN PC SULLIVAN & ASSOCIATES INC THREE FRTY FOUR N WDWARD ASSOC WOODWARD SECURITIES CORP 380 CORPORATION 350 CURRIE ROBERT M PC DAVISON PARK ONE INC FAMILY TIME RESTAURANT INC **GATEWAY COMMERCE CENTER INC HOFER & BEATTY INC** LAW OFFICE OF ATTORN MACALOON DONALD J METZLER LOCRICCHIO & CO PC PARCHOC RICHARD G

PONTIAC TRAIL ASSOC LTD PARTNR

SALEMAKERS INC

380 4 D PHARMACY MGT SYSTEMS

AUDLEY GROUP

BEAUMONT FOUNDATION

BIG TREES LIMITED PARTNERSHIP BLOCH BROTHERS CORPORATION

**BLOCH REALTY GROUP INC** 

BLUESTEIN R H BRIAN REALTY INC

**BROADWAY HOLDINGS INC** 

CASCADES VLG LTD PARTNERSHIP CREATIVE IDEAS UNLIMITED INC

**DELTA ASSOCIATES** 

DR GOOD

FIRST CNTNTL SCRTS CORP AM GEM RESEARCH LABORATORY INC

Target Street Cross Street Source

→ EDR Digital Archive

## N WOODWARD AVE 1992 (Cont'd)

380	JAMISON MANAGEMENT COMPANY
	JIMCAM
	KEYSTONE MANAGEMENT COMPANY
	KNIGHT SERVICE CO
	NOVECK DANIEL
	UNIVERSITY GROUP INC
	UTDC CORPORATION
	WILLIAMS SCHFER RUBY WLLAMS PC
381	TITANUS INC
430	BETSYM INC
	CONSOLIDATED INDUSTRIAL CORP
	FORBES G H ASSOC ARCHITECTS PC
	KLEIN GALLERIES LTD
	OK HARRIS WORKS OF ART
	ROBINSON RICHARD A JEWELRY
	SMART START CONSULTING INC
	YOUNG BROTHERS AND CO INC
450	B MD PC CHODORKOFF
	BORNSTEIN MELVIN MD PC
	IRON & METALS RES & DEV CO
	MILETIC MICHAEL MD
	SAMET NORMAN T MD PC
	SPIVAK DON A
470	BANDER GUNS & AMMO
	COPPER DEVELOPMENT ASSOCIATION
	SANDRA COLLINS INC
474	ADARIA INC
505	BIRMINGHAM VENTURES INC
523	HAMPTON HOUSE LTD-INTRS ANTIQ
525	CONSIGNMENT BROKERS
<b></b> -	

Target Street Cross Street Source
- Source EDR Digital Archive

## WILLITS ST 1992

2	43	NATIONAL GARAGES
3	00	FIRST BAPTST CHURCH BIRMINGHAM
4	12	LARK, JOHN K
4	24	TOWNSEND, LYNN
4	48	GOLDMAN, SIDNEY H
5	20	REGHANTI, THOMAS J
5	32	CITRIN, ROBERT M
5	44	WOODROW, BARRY

163 Birmingham Designer Shoe Inc 642-3255 OAKLAND AV BEGINS
165 Portner & Stine P C lwyrs 540-7060 167 Travel Connection Inc travel agcy 540-4944 172 Katy's Hallmark greeting cards 645-1144 176 Comerica Bank-Detroit (Small Business Loan Dept) 644-9885 2dfl Comerica Bank-Detroit (Personal Banking Dept) 644-3903 183 Drakes Jan Garden Cafe restr 642-9808 185 Duke Gallery art gallery 258-6848 188 Comerica Bank (Br) 644-2600 191 Queue Salon & Boutique beauty salon & boutique 642-1848 Bayadere Knits clothing ret 642-2876 Ashton Bailey & Associates booking agts 258-5560 Impact Records regional distribution 258-8933 HAMILTON ROW BEGINS 200 Crowley Milner & Co dept store 647-2000 205 Huston Hardware Co Inc 644-7330 219 Kurth Building apts Moreland Television Service repr etc 644-8410 237 Kay Building Floors 1stfl Kay's Irving Draperies & Bedspreads 644-5280 2dfl National Programming Services 646-4708 2dfl Colbert Edward Systems archts 642-7069 237 Wzacny Christopher & Associates Inc archts 642-9641 250 Sanders Fred (Br) confr 646-7828 275 Jacobson's Of Birmingham Inc childrens clothes 644-6900 280 Great American Insurance Building 647-7171 Floors Level Bloomfield Fine Arts sls of various art objects 645-1132 Level Damoose & Associates int designer 644-3512 Level Penny Jean artist 644-4482 Level Margot Complete European Facial Studio 642-3770 Level Giorgio's Of Birmingham restr 540-7940 280 Steven's Salon beauty shop 646-4123 Weiss Fran Galleries 540-4332 Grinstein Jewelry & Design 647-4414 Michael's Womens Wear boutique 647-7748 Attic Shop Antiques The dlrs & restorers 644-4165 Kopriva Kevin L chiropractor 540-0060 1stfl Galleria Verdi art gallery 540-1270 1stfl Leffler R Thomas Importer Haberdasher & Clothier 642-0548 Merle Norman Cosmetic Salon Of Birmingham 644-2236 Koeppie's restr & catering 642-0632 Birmingham Bead Store 644-7609 Connolly's Jewelers & Silversmiths (Br) 642-7157 Burl The gifts & cards 642-0380 Affiliated Optometrists 646-4777 First Of Michigan Corporation (Br) stock brokerage 647-1400 200 Gordon Management Co Inc property management 647-7171 202 Vacant 205 General Properties Corp real estate 645-2122 205 Rubiner Raymond K realtor 645-2122

WILLITS ST 1985

## WILLITS ST —FROM 264 N WOODWARD AV WEST

ZIP CODE 48009 N BATES INTERSECTS

3

251 National Garages Inc auto parking 646-4090

N BATES ST INTERSECTS

300 First Baptist Church 644-0550

WARREN CT BEGINS

380 Kukes Michl @ 642-4349

382 Nederlander R 💿

N CHESTER ST ENDS

412 Lark John K @ 646-8563

424 Townsend L A @ 642-0895

448 Stewart I R ⊚ 646-0378

468 Seligman Scott ⊚ 644-1488

487 Friedman Dean @ 540-4367

488★Von Ebeler Lawrence D ⊚

504 Koerner Gerlind B Mrs ⊚ 647-7450

520 No Return

532 No Return

544 Woodrow Barry E ⊚ 647-5632 GREENWOOD ST INTERSECTS

710 Benard Richd E 540-6380

725 Monahan Edw C @ 646-0486

727 Vogt W Ogden @ 644-1261

729 Blanchard John W @ 644-0374

731★Wozniack Richd

733 Oatman Helen S 642-7938

735 Moore L Joseph @ 646-5489

752 Breck David F Hon @

WILLITS ST

1985

753 Steinberg Robt E
772★Vagedes Joaquin © 258-6107
777 Kelly Thos G © 645-0863
789 Ballantyne C A © 644-4661
792 Clarke Edwin V © 646-8794

1	67	P.,	11 94	int	Ca	Tho	GAE	5-6366
1	01	Du	115-21	uru	CO	The	040	0000

172 Malloy's Hallmark card shop 645-1144

176 National Bank Building 644-8080

176 ROOMS

2dfl Detroit Bank & Trust Mortgage Loan Dept 644-3811

183 Peacock Room shoes 644-9762

188 Detroit Bank & Trust (Br) 644-2600 Detroit Savings Safe Deposit Co (Br) 564-6867

### HAMILTON AV BEGINS

200 Crowley Milner & Co dept store 647-2000

205 Huston Hardware Co 644-7330

Rear Huston Hardware Co (Stge)

219 Kurth Building apts Hurley Donna

Kolestar Sports Wears Inc ofcs 642-1077

233 Continental Imports gifts 644-1230

237 Kay Irving draperies bedspreads 644-5280 Vacant

Colbert Edward Systems archts 642-7069

Ad Centre Productions adv agcy 646-2720

Wzacny Christopher & Associates Inc archts 642-9641

Oberweis Securities Inc full serv discount stk brkge 642-0711

250 Sanders Fred (Br) confr 646-7828

275 Jacobson's Of Birmingham Inc childrens clothes 644-6900

280 Harris Antiques & Weaponry 642-3311

N WOODWARD AV-Contd Ross & Seeley Sign Of The Lion int design 644-7750 Tweeny's Cafe restr 644-0050 Koeppie's restr 642-0632 Getsoff Michael Women's Wear 647-7748 Stalker & Boos Inc antiques 646-4560 Attic Shop Antiques The antiques 644-4165 Oakland Obstetrics & Gynecology 642-6026 Leffler Thom Importer Haberdasher & Clothier 642-0548 Merle Norman Cosmetic Salon Of Birmingham 644-2236 Cook Thos (Addn Space) Charter Mortgage Co Inc 646-9440 Cook Thomas World Travel Service Yvonne's Cuisine A La Carte Ltd 644-0050 Burl The gifts 642-0380 My Favorite Things clo 645-1910 Great American Insurance Company 642-0500 Affiliated Optometrists 646-4777 Grinstein Jewelry & Design 647-4414 First Of Michigan Corporation (Br) stock brokerage 647-1400 Wabeek Bldg (Ofc Entrance) Rooms 200 Leslie Fargo Agency model agcy 645-5606 202 Nickel Agency The Inc ins 644-3700 203 Appleford Robt W lwyr 642-8232 205 Ohio Company The 642-1800 206 Newspaper Advertising Bureau Inc assocs 642-9200 210 Stockwell-Marcuse adv agcy 647-6060 212 Lieberman Helen phys 644-4444 211 Freier Morton L phys 646-1880 213 Mar Aveleas Associates business analyst 646-2700 216 Goldsmith Yaker & Goldsmith lwyrs 645-1260 217 Gifford Van Ophem Sheridan & Sprinkle lwyr 647-6000 218 Shapiro Joan H phys 647-5450 220 Mast Robt T phys 300 Dahlberg Mallender & Gawne lwyrs

clothes 644-6900 328 Pierson Interiors int dec 642-1740 Schwartz Howard P C lwyr 646-1540 Van Houzen Martin C lwyr 646-1540 345 Municipal Parking 642-6668 352 Gallery Of Homes The 646-5800 369 Brookside Terrace apts Sanders John W 644-0156 373 Hause Emily Mrs © 647-1797 377 Chesney Michl W 645-2393 381 No Return 385 Hagle N M 647-3108 389 Silcock Kenneth M 642-2689 393 Segall Amelius B 647-7868 397 Hager John EUCLID AV BEGINS 430 Samuels Edw tailor 646-4711 Cicchini Paul tailor 646-0535 American Industries Inc petroleum equip 646-3730 Consolidated Industrial Corp mfg plastic prod 647-3337 Brashear Conley & Tangora lwyrs 647-5990 Copper Development Association Inc mkt research 642-6980 Broomfield Wm S Congressman ofc 642-3800 Sackner Products Inc 644-0982 Johnston & Lewis Inc ins 646-4000 Candler Julie & Assocs pub relations wrtr 646-4566 Boghosian John lwyr 647-1450 Schoen Mary wrtr 450 Nern & Alfs lwyrs 644-2015 Chodorkoff Bernard phys 645-1088 Bornstein Melvin phys 642-3343 Gendernalik David R phys 645-2790 Samet Norman T phys 642-3236 Murphy Thos lwyr 647-5666 460 Vacant 470 Four Seventy North Woodward Building Goldberg Stuart J (Ofc) Horizon Business Forms 642-9699 Snellings Herbert G Consulting Engs 644-2539 Cline W R Associates mfg rep 642-2526

Jacobson's Of Birmingham Inc men's

Don Ross Associates advertising & graphic design 644-1133 Transcript Typing Splsts 644-0677 Faulkner & Associates event promotion & group sls 646-0288 Mister Reporter ct reporting 644-0670 Interstate Professional Services Inc consultant financial 642-7670 Stacks Howard R Jr cpa 645-5662 Columbia Export Packers Inc 642-4511 Pacernick David P lwyr 645-5585 Bannon Marvin I lwyr 645-5585 Gray Wm F Associates mfr rep 645-1336 Vacant Asian Resources Corp energy sys Yu W W Engineering consulting eng 646-6695 Oriental Marketing Co Ltd imports 646-6695 Vacant Dick Hirn Advertising advertising 647-8050 Advertising One Inc 647-8050 474 Kassabian Builders contrs 644-1200

Glenn-Wood Terrace Corp 644-1200 RAVINE RD BEGINS HARMON AV BEGINS

511 Royce Realty Inc real estate 645-6150

523 Hampton House The int-antiques

645-2433

904

WILLITS ST BEGINS OAKLAND AV BEGINS 305 Jacobson's Galleria furn 644-6900

642-8232

645-5091

645-2122

642-2600

300 Lillie Charles C lwyr 642-8232

301 Gonzalez R Manuel phys 647-7224

304 Owner's Equity Corp mortgage co

306 Sherman Shoes ret shoes 642-2600

307 General Properties Corp brokers inv

307 Rubner Raymond K realtor 645-2122

Great American Insurance Bldg 647-7171

Sherman Shoes Inc (Business Ofc)

310 Zanetti J R Jr lwyr 642-9600

311 Goss Charles B phys 645-5519

312 Lakewood Clinic 645-0022

302 Wolter Douglas J phys 644-8533

303 Wolfe Warren E phys 647-2030

315 Jacobson's Galleria (Addn Space) 322 Detroit Bank & Trust (Woodwardoakland Br) 647-1313

325 Jacobson's Home Decorative Shop household accessories 644-6900

WILLITS ST 1980

## WILLITS ST —FROM 264 N WOODWARD AV WEST

P O BIRMINGHAM MICH ZIP CODE 48009

3

243 National Garages Inc auto parking 646-4090

N BATES ST INTERSECTS

300 First Baptist Church 644-0550 WARREN CT BEGINS

380 Davidson James

382★Nedlander R 644-8050 N CHESTER ST ENDS

412★Hodge Richd Jr © 644-8446

424 Litt Richd A @

448 Stewart Mahlon R ◎ 646-0378

468 Seligman Scott @ 644-1488

487 Veinott Hilda Mrs © 645-0587

488 Dale James M ⊚ 646-7659

504 Koerner Gerlind B Mrs ⊚ 647-7450

520 Graham James H 642-0840

532 Citrin Robt M ⊚ 645-9256

WILLITS ST

792 Clarke Edwin V @ 646-8794

167 First Ralph L Office Interiors int dec 646-4180 172 Bodine's Greeting Cards 644-1177 176 National Bank Building MI4-8080 Rooms 201 Vacant 202 Howe Services Inc safety devices 644-8080 Hunter Co The-Realtors 647-7900 183 Peacock Room shoes 644-9762 188 Detroit Bank & Trust (Br) 644-2600 Detroit Savings Safe Deposit Co (Br) 564-6867 HAMILTON AV BEGINS 200 Crowley Milner & Co dept store 647-2000 205 Huston Hardware Co 644-7330 Rear Huston Hardware Co (Stge) 219 Kurth Building apts Dewey Richd H 644-1220 Belshaw Hannah Mrs 646-5091 233 Fields Faye Boutique ladies ready to wear 647-7830 237 Kay Irving draperies bedspreads 644-5280 American Film House educ & commercial films 642-7050 Steele & Bos Inc archts 642-2773 Wzacny Christopher & Associates Inc archts 642-9641 Tolbert Dick Associates interior design 647-4610 Hansz Thos archt 642-6646 250 Sanders Fred (Br) confr 646-7828 264 Vacant 275 Jacobson's Children Shop 644-6900 280 Merle Norman Cosmetic Salon Of Birmingham 644-2236 Ardel's jwlr repair serv 644-3142 Birmingham Place Hairdressers beauty parlor 646-0001 Cook Thomas World Travel Service travel service 647-7750 Craftique crafts 647-5540 Garelick's Gallery gallery & fine arts 645-2266 Great American Insurance Company 642-0500 International Collectors Gallery ret whol coins stamps sup 647-7135 Imports La Playgirl Inc kath stinson pres 647-6330 Silver Calf The custom jewelry 647-4414 Warner Co wall coverings 646-0465 Wabeek Bldg (Ofc Entrance) Rooms 200 Wabeek Bldg (Mgrs Ofc) 647-7171 203 Nemer Basil archt 647-6677 205 Breck David F lwyr 646-9393 205 Long Preston & Kinnaird lwyrs 642-2255 205 Preston David M lwyr 205 Polaner Helen M lwyr 645-1122 206 Newspaper Advertising Bureau Inc assocs 642-9200 212 Evans Barbara V lwyr 220 Mast Robt T phys 301 Gonzalez R M phys 647-7224 302 Wolter Douglas J phys 644-8533

904

### N WOODWARD AVE 1975

N WOODWARD AV-Contd 304 Lamb Danl J marriage & family counselor 642-0165 306 Unimart International Ltd 312 Lakewood Clinic 645-0022

WILLITS ST BEGINS OAKLAND AV BEGINS

305 Jacobson's Galleria furn 644-6900

315 Jacobson's Galleria (Addn Space)

322 Detroit Bank & Trust (Woodwardoakland Br) 647-1313

325 Jacobson's Home Decorative Shop household accessories 644-6900 Jacobson's Men's Shop 644-6900 328 Fisher E V Jr Interiors Inc furn &

gallery design 642-3363

340 Pavey Jess S @ 644-2330

345 Municipal Parking 642-6668

352 Tennis News The

360 Cooke Building

1st Fl Vacant 2d Fl Wilson Julian B & Sons Inc bldg contrs 644-8078

339 Brookside Terrace apts Sanders John W 644-0156 371★Swift Virginia

373 Hause Emily Mrs @ 647-1797

377 Chesney Michl W 645-2393

381 Pearson Veora 642-4962

385 Shevitz Nathan 642-9770

389 Barrie Miles H 645-1342

393 Segall Amelius B 647-7868

397 Hager John

**EUCLID AV BEGINS** 

430 Gross Hayim lwyr 644-2033

Fuller T Associates Inc consulting engs

Consolidated Industrial Corp management serv 647-3337

Brashear Brashear & Duggan lwyrs 647-5990

Copper Development Association Inc mkt research 642-6980

Broomfield Wm ofc 642-3800

Hartjen & Canavan mfrs agts 644-0982 Johnston & Lewis Inc ins 646-4000 Kidney Foundation Of Mich 646-4508

Candler Julie & Assocs pub relations wrtr 646-4566

Boghosian John lwyr 647-1450 Kinsel-Wiggins Agency genl ins JO6-3945

450 Nern & Alfs lwyr 644-2015 Samet Norman T phys 642-3236 Chodoroff Peter phys 645-1088 Bornstein Melvin phys 642-3343 Wolfe Warren E phys 647-2030

460 Pierce Fred Inc real est 647-1414

470 Four Seventy North Woodward Building Harrison Geo W III lwyr 645-5585 Barber-Colman Co mach & cutting tools 647-4696

Linton R S Sls mfg rep 642-0308 Creative Coordinators Inc adv & sls promotion 647-6441

International Communication Group mkt 647-3885

Weyerhaeuser (Paper Div) 642-5566 Three Ivory Brothers sls ofc 647-5200

Stacks Howard R Jr cpa 645-5662 Pacernick David P lwyr 645-5585 Bannan Marvin I lwyr 645-5585 Gray Wm S Associates mfr rep 645-1336

474 Kassabian Builders bldg contrs 644-1200 Glenn-Wood Terrace Corp 644-1200

RAVINE RD BEGINS

HARMON AV BEGINS 511 Dickinson Farm Market fruit & vegetable mkt 644-9856

523 Hampton House The int-antiques 645-2433

Lewis Leon H lwyr

526 Little's Colonial Barber Shop 644-9645

528 Greenstone Livernois Corp retail jwlrs 642-2650

532 Squires Wm F dentist 644-3414

534 Ring Herb Distinctive Jewelry 646-5206

535 Childe J Willard ⊚ 642-9142

536 Designs With Light Inc lamp sales 642-3255

537★Stevenson R

538 Sheba The imports ladies clo 646-5354

539 Weston Horace L @ 646-9060

543 Fowler Alphonsus J ⊚ 644-4688

544 John Of Birmingham beauty salon 646-5880

545 Neven Robt P @ 647-8780

547 Poellet Violet E Mrs ⊚ 642-3386

549 Bogan Ed M

550 Yaw James Gallery (Div Of Studio Of Fine Arts Inc) 647-5470

551 Winter Dorothy Mrs 642-5993 553 Bennett Effie M Mrs ⊚

555 Childe John W Jr ⊚

568 Morton Jean Botique 642-1322

570 Yarnwinder The knitting supplies-retail 645-5760

571 Hickory Hill Apartments

Elston Irene M Mrs © 646-5210

573 Scharfenberg Audrey J Mrs 645-5099 574 Lamb J A Co speciality adv premiums

644-0800

576 Detroit Building & Realty Co 646-4800 Van Horn Charles J Inc real est 646-2400

Young Commercial Realty 645-5504

577 Formato Irvin I ◎

580 Little Shop Boutique The MI4-9591 Ralph Of Fifth Avenue beauty shop 642-7777

583 Long Laymond E ◎ 642-4132

585 Birkham Alice V Mrs

588 Gach Lewis L dentist 646-3033 593 Mack Thos H real est 642-2720

595 Hess Eliz B Mrs 644-1797

600 Reid Building

Bice Robt O dentist 646-0442

602 Green Howard B dentist 644-3700 604 Gordon Clayton H phys 646-8811

Mc Laughlin John H phys 646-8811

606 Arcari Federico A phys 642-9330 Gibson Peter phys 642-9330

610 Wiant John phys

Reid Building Secretarial & Answering Service 642-3880

Forand Sales Co electronic equip & sups 644-0087

I T T General Controls mfr rep 642-1830 National Machinery Co mfrs agts

647-3456

WILLITS ST 1975

WILLITS ST —FROM 264 N WOODWARD AV WEST

P O BIRMINGHAM MICH ZIP CODE 48009 190 Bany Flowers 644-3360

3

N BATES ST INTERSECTS

300 First Baptist Church 644-0550 WARREN CT BEGINS

380 Volin Joan H Mrs @ 646-3065

382 Saslove Joshue ⊚ 642-4778 N CHESTER ST ENDS

412 Clark Marie W Mrs @ 646-3728

424 Litt Richd A @ 642-2855

448 Stewart Mahlon R ⊚ 646-0378

468 Davis Robt W ⊚ 646-0728

487 Veinott Hilda Mrs © 645-0587

488 ★ Dale James M © 646-7659

504 Koerner Gerlind B Mrs @ 647-7450

520 Graham James H ⊚ 642-0840

532 Citrin Robt M @ 645-9256

544★Woodrow Barry E ⊚ 647-5632 GREENWOOD ST INTERSECTS

660 White Isabel Mrs ©

710 Armstrong John ⊚ 645-5329

725 Gehrke Ruth A Mrs @ 647-6707

727 Smith Linn C 644-6057

729 Moore Ralph W @ 644-2654

731 Luckenbach Margt Mrs

733 Warner Clarissa Mrs 642-6358

735 Blackwood Fred H 646-1332

752 Breck David F 646-9268

753 ★ Mitchell John H ◎ 644-7276

772 Bergman Ralph @ 647-7618

789 Ballantyne C Amy Mrs @ 644-4661

792 Clarke Edwin V @ 646-8794

#### N WOODWARD AV-Contd 1 Kallio Aline 2 De Los Rios Alberto C 644-4518 3 Gringbergs Ingrid 647-0196 4 Ferrigno Robt C 646-8876 167 Eastin's Of Birmingham ofc sup 646-4180 172 Bodine's greeting cards 644-1177 176 National Bank Building MI4-8080 Rooms 201 Beuthien Wm J dentist 644-6745 202 Howe Services Inc safety devices 644-8080 183 Peacock Room shoes 644-9762 188 Detroit Bank & Trust (Br) 644-2600 Detroit Savings Safe Deposit Co (Br) 564-6867 HAMILTON AV BEGINS 200 Demery's Inc dept store 647-2000 205 Huston Hardware Co 644-7330 Rear Huston Hardware Co (Stge) 219 Kurth Building apts Dewey Richd H 644-1220 Belshaw Hannah Mrs 646-5091 233 Fields Faye Boutique ladies ready to wear 647-7830 237 Kay Irving draperies bedspreads 644-5280 250 Sanders Fred (Br) confy 646-7828 264 Demery's (Parking Lot) 275 Jacobson's Children's Shop 644-6900 Jacobson's Toyland 644-6900 WILLITS ST BEGINS OAKLAND AV BEGINS 305 Jacobson's Galleria furn 644-6900 315 Jacobson's Beauty Salon 646-3511 322 Detroit Bank & Trust (Woodward-oakland Br) 647-1313 325 Jacobson's Home Decorative Shop household accessories 644-6900 Jacobson's Men's Shop 644-6900 328 Pupko's Ben Store draperies 644-5646 340 Pavey Jess S antiques @ 644-2330 345 National Garages Inc (Park & Shop Service No 5) 646-4090 352 Phares J S Associates industrial designer 654-9194 360 Cooke Building 1stfl Vacant 2dfl Wilson Julian B & Sons Inc bldg contrs 644-8078 Windmill Press Inc printing serv 369 Brookside Terrace apts Sanders John W 644-0156 371 Redmond Dennis L 642-4364 373 Gladue Carol A Mrs 642-0285 377 Buick Henry W 642-9628 381 Lewis Frances M 646-5409

385 Shevitz Nathan 642-9770

397 Godfrey Frances Mrs 647-4782

389 Vernon J P 642-4247

**EUCLID AV BEGINS** 

Inc 646-3555

serv 647-3337

393 No Return

388 Absolute Zero Coffee House The 644-9709

430 Bander Paul A Real Estate Investments

Champion Papers Inc paper mfg 644-5852 Consolidated Industrial Corp management

Copper Development Assciation Inc mkt
research 642-6980 Sackner Products mfrs agts 644-0982
Hartjen & Canavan mfrs agts 644-0982
Johnston & Lewis ins 646-4000
Charllane Corp mfg agcy 642-7216
Mc Hugh & Hoffman Inc tv & adv
consultants 644-9200
Boghosian John lwyr 647-1450
450 Nern & Alfs lwyr 644-2015 Alfs Alf W lwyr 644-2015
Nern Wm F lwyr 644-2015
Stanley Robt Associates Inc design &
marketing consultant 647-5550
Tierney Thos D phys 646-0730
Wolfe Warren E phys 647-2030
460 Pierce Fred Inc real est 647-1414
470 Four Seventy North Woodward Building
Barber-Colman Co mach & cutting
tools 647-4696
Walsh-James & Wasey Co realtors
644-6500 Josten's Inc jwlry mfr 642-1420
Ducker Research Co mkt 644-0086
Roeser Carlton S lwyr 642-5200
Fidelity Business Consultants business
consultant 645-5585
June Equipment Sales sls conveyors
646-7200
Kelly Insurance Agency 644-5040
Stacks Howard R Jr acct 645-5662
Pacernick David P lwyr 645-5585
Bannon Marvin J lwyr 645-5585
474 Kassabian Builders bldg contrs 644-1200 RAVINE RD BEGINS
HARMON AV BEGINS
511 Murphy's Service Station gas sta 644-732
523 Wieland's Interiors int dec 644-2530
526 Little's Colonial Barber Shop 644-9645
528 Head West Inc 642-0436
532 Squires Wm F dentist 644-3414
534 Ring Herb Distinctive Jewelry 646-5206
535 Childe J Willard ⊚ 642-9142
536 Fine Arts Gallery art gallery 647-5470
537 Shook Edith N 647-0274
538 Ferguson's (Br) women's clo 647-1181
539 Weston Horace L @ 646-9060 543 Fowler Alphonsus J @ 644-4688
544 John Of Birmingham beauty salon
646-4434
545 Neven Robt P @ 647-8780
547 Poellet Violet E Mrs ©
549 Jackson Dorothy B Mrs © 642-5134
550 Mademoiselle Town & Country women's
clo 642-5600
551 Margrave Eleanor K Mrs 642-0174
553 Bennett Effie M Mrs © 555 Childe John W © 647-2518
568 Forster Laidlaw Flowers & Gifts 647-3000
570 Abby's children shop 647-1499
571 Hickory Hill Apartments
Elston Irene M Mrs © 646-5210
573 Eaton Robt J 642-5943
574 Lamb J A Co speciality adv premiums
644-0800
Paraphernalia Corp (Br) womens clo
642-4940
575 Zeliff Mae C Mrs ⊚ 647-8829

WILLITS ST

1970

# WILLITS ST —FROM 264 N WOODWARD AV WEST

PO	BIRM	INGHAM	MICH
7ID	CODE	48009	

190 Bany Flowers 644-3360

N BATES ST INTERSECTS

300 First Baptist Church 644-0550 WARREN CT BEGINS

380 Luckenbach Carl F @ 642-6092

382 Fisher Everett E @ 642-8164

N CHESTER ST ENDS

412 Clark Mary W Mrs ⊚ 646-3728

424 Luckenbach Owen A ⊚ 644-2377

448 Stewart Mahlon R @ 646-0378

468 Davis Robt W @ 646-0728

487 Kegel Wm E ◎ 644-6213

488 Melzow Geo ©

504 Koerner Karl F @

520 Graham James H

532 Adams Wm G @ 642-9228

544 Hall John E @ 644-3589

GREENWOOD ST INTERSECTS

660 White Norman C ⊚

710 Etter Robt W @ 646-0658

725 Gehrke Ruth Mrs @ 647-6707

727 Smith Linn C 644-6057

729 Moore Ralph W 644-2654

731 Halsted Josephine H Mrs 646-9682

<u>Source</u>

POLK DIRECTORY CO

WILLITS ST

1970

733 Warner Clarissa Mrs 642-6358
735 Wayburn M Geo 647-0308
752 Breck David F 646-9268
753 No Return
772 Raymond W Whiting © 644-4546
789 Ballantyne C Amy Mrs © 644-4661
792 Clarke Edwin V © 646-8794

136 Warfield Paint Co MI 4-0910 145 Nan's Hat Shoppe MI 4-2412 152 Harrison Luggage & Leather Goods MI 6-8088 162 Connolly's Jwlrs 646-4293 163 Acme Quality Paints Inc (br) MI 4-8500 165 Apartments 1 Kallio Aline 2 DeLosRios Alberto 644-4518 3 DeLosRios Mari D 644-4518 4 Hamasaki Kaitaro MI 6-1109 Street continued 167 Gregory Mayer & Thom Co ofc sups MI 6-4180 172 Bodine's greeting card shop MI 4-1177 176 National Bank Building MI 4-74714 Rooms: 201 Buethien Wm J dentist MI 4-6745 202 No return 203 Howe Servs Inc safety devices MI 4-8080 208 Sun Life Assurance Co of Canada MI 4-5040 Colgrove L E Lbr Co whol Kelly Ins Agcy MI 4-5040 Street continued 183-87 Peacock Room shoes MI 4-9762 188 Detroit Bank & Trust Co (br) MI 4-2600 Detroit Savings Safe Deposit Co (br) JO 4-6867 Hamilton av begins 200-50 Demery's Inc dept store MI 7-2000 205 Huston Hdw Co MI 4-7330 rear Huston Hdw Co (stge) 217-37 Houston Building apts 219 Seybold J Wm 646-7476 Dewey Richd H MI 4-1220 233 Vacant 237 Vacant 250 Sander's Restr 646-7828 255 Vacant 264 Demery's (parking lot)

Ducker Research mkt MI Woodward Av N-Contd 4-0086 275 Jacobson's Children's Shop MI 4-6900 Mfrs Life Ins Co (br) MI 4-5200 Jacobson's Toyland MI 4-6900 2d fl Wood Conversion Co wood Willits begins fibre products MI 6-7310 Oakland av begins 305 Jacobson's Men's Shop clo Barnard McGlynn & Reising patent attys MI 4-8600 MI 4-6900 Street continued 315 Jacobson's Beauty Salon MI 474 Kassabian Bldrs bldg contrs 6-3511 MI 4-1200 322 Detroit Bank & Trust Co Ravine rd begins (Woodward-Oakland br) Harmon av begins MI 7-1313 511 Murphy's Serv Sta gas MI 325 Jacobson's Home Decorative 4-7322 Shop draperies 644-6900 523 Wieland's Interiors int dec 328 Pupkos Ben Store draperies MI 4-2530 MI 4-5646 526 Little's Colonial Barber Shop 340 Pavey Jess S @ antiques MI 644-9645 4-2330 527 Wieland's Interiors (stge) 345 Natl Garages Inc (Park & 528 Northwestern Mutual Life Shop Serv No 3) MI 6-4090 352 Benedict Clara E @ MI 4-3779 Ins Co 647-1711 360-62 Cooke Building 1st fl Birmingham Kitchens Inc 530 Vacant 532 Squires Wm F dentist MI MI 6-8566 4-3414 2d fl Cooke Clare Inc int dec 534 No return 536 Franzel Margi Inc (br) wo-646-0058 men's clo 644-1123 Buell Webster bldg contrs 538 Ferguson's (br) women's clo 644-0900 MI 7-1181 Wilson Julian & Sons bldg 544 Gerald's Salon beauty shop contrs MI 4-8078 646-4434 Street continued 550 Roberts Furs MI 6-2266 369-97 Brookside Terrace apts 568 Forster Henry Flowers-Gifts MI 7-3000 369 Sanders John W MI 4-0156 371 Hard Roy J MI 4-0676 373 Etling Mildred R Mrs 644-570 Young's Clothes Inc chil-1421 dren's 649-1499 377 Billings Helen Mrs 644-7821 571-95 Hickory Hill Apartments 381 Lewis Frances M MI 6-5409 571 Jackson Billie Mrs MI 6-5745 573 Restrick Mary C Mrs 646-3009 385 Gardiner Marie E Mrs MI 574 Specifications Serv Co blue-7-2563 388 Congregational Church of prints MI 6-7750 Bham The United Ch of Lamb J A Co gifts 644-0800 575 Sellers Grace L Mrs MI Christ MI 6-4511 389 Brumbaum Kathryn M Mrs 4-2662 MI 4-4435 576 VanHorn Chas J Inc real est 393 Williams Olive J Mrs MI MI 6-2400 6-2182 Det Bldg & Realty Co real 397 Hargreaves Jeannette B Mrs est MI 6-2400 Chicago Inv Corp real est MI 6-4192 MI 6-2400 Euclid av begins Kirkway Inv Co real est MI 430 Johnston & Lewis ins MI 6-2400 6-5444 577 Emery Eliz R Mrs MI 6-4576 Fiduciary Planning Inc investment securities MI 580 Ralph of Fifth Av beauty shop MI 4-9591 4-9185 583 Sevens John MI 7-6826 Matthews C D Co manage-585 Robinson Elsie Mrs 646-2980 588 Gach Lewis L dentist MI ment serv 647-3337 Storer Broadcasting Co TV Div 647-4500 6-3033 593 Hess Eliz B Mrs MI 4-1797 Hartjen & Canavan mfrs 595 Curtis Edna T Mrs MI 4-9092 agts 644-0982 600-50 Reid Building 450 Schuler Arth lwyr MI 4-5673 Emery Nern & Alfs lwyrs Rooms: 600 Bice Robt O dentist 646-0442 602 Vacant 644-2015 460 Pierce Fred Inc real est MI 604 McLaughlin John H phys 7-1414 470 Four Seventy North Wood-MI 6-8811 Gordon Clayton H phys MI ward Building 1st fl Smith Kline & French 6-8811606 No return Labys sls ofc 647-6420

WILLITS ST 1965

O WILLITS - From 264 N Woodward av west 190 Bany Flowers florist MI 4-3360 N Bates intersects 300 First Bapt Church MI 4-0550 Warren ct begins 384 Vacant N Chester ends 412 Clark Marie W Mrs @ MI 6-3728 424 Luckenbach Owen A @ MI 4-2377 448 Stewart Mahlon R @ MI 6 - 0378468 Davis Robt W @ MI 6-0728 487 Kegel Wm E @ MI 4-6213

WILLITS ST 1965

# Willits-Contd 488 Wood Harry T @ MI 6-6362 504 Vacant 544 Hall John E @ MI 4-3589 Greenwood intersects 710 Etter Robt W @ MI 6-0658 725 White Ward W 646-9539 729 Moore Ralph W MI 4-2654 731 Halsted Morris M 646-9682 735 Wayburn M Geo MI 7-0308 752 Vacant 753 Desmond Vance L @ MI 4-5928 772 Raymond W Whiting @ MI 4-4546 789 Ballantyne Ronald © MI 4-4661 792 Clarke Edwin V @ MI 6-8794

**Target Street** 

**Cross Street** 

Source POLK DIRECTORY CO

N BATES ST

1960

BATES N — From 296 W Maple av north 1 block Willits intersects 277 Frost Wallace archt Д MI4-6711

WOODWARD AV N-Contd 233 Mulholland F J Co dept store Bruni Building—Contd **△** MI4-9111 5 Hausler Werner 237 Apartments 6 Sanders Esther M 1 Burns Edna F Mrs 7 Maksimovich Ray △ MI6-6388 8 McPherson Ernest G 2 Lanz Marguerite Mrs △ MI6-5599 △ MI6-7053 9 Bilodeau Elphege J 3 McFadden Donna A A MI4-5787

10 Wahl Genvieve L Mrs △ MI6-8704 4 Petersen Beulah Mrs △ MI4-9498 △ MI4-9455 11 Hanna Jack ↑ MI6-8211 Street continued Street continued 255 Burr Herbert Shoes 135 Wilson Building Д MI4-7720 Rooms 264 Bham Auto Serv gas sta 1 Falway Ins Agcy A MI4-7803 S & K Agcy adv A MI6-8422 **△ MI4-6767** 275 Jacobson's Children's Shop 2 Finance Sys of Oakland **△** MI4-6900 County collns A MI6-5200 Credit Management Serv 291 Kurowski John J gro △ MI4-4087 △ MI6-5200 Willits begins 4 Snellings Herbert G consulting eng Λ MI4-2539 Oakland av begins 305 Murray Arth School of Dance Street continued **△** MI6-0500 136 Warfield Paint Co △ MI4-0910 308 Vacant 145 Nan's Hat Shoppe Λ MI4-2412 152 Birmingham Edw Λ MI4-7524 315 Jacobson's Beauty Salon △ MI6-3511 162 Hawthorne Elec Co appls 324 Vacant △ MI4-2200 325 Jacobson's Home Decorative 163 Acme Quality Paints Inc (br) Shop draperies A MI4-6900 △ MI4-8500 332 Beck Clns Inc △ MI6-4740 165 Apartments Beck John P 1 Kallio Aline 340 Pavey Jess S @ antiques 2 Korab Azar A MI4-2330 345 Nati Garages Inc (Park & 3 Akyavash Erol 4 Bellos Thos P ↑ MI4-8195 Shop Serv No 3) A MI6-4090 351 Republican Committee of Oak-Street continued 167 Gregory Mayer & Thom Co ofc sups Δ MI6-4180 land County A MI6-8414 Republican Finance Committee 172 Bodine's Greeting Cards of Oakland County A MI4-1177 176 National Bank Building **△ MI6-8416** Holmes John E lwyr ↑ MI7-2828 Rooms: 201 Beuthien Wm J dentist **△ MI3-6745** 360-62 Cooke Building 1st fl Birmingham Kitchens
Inc Δ MI6-8566
2d fl Cooke Clare Decorating 202 Vacant 203 Bham Finance Co ↑ MI6-3350 204 Howe Inc (ofc) △ MI4-8080 205 Ziegler Cooperage Co (ofc) Inc pntrs A MI6-0058
Pulte Wm S Inc bldg contrs △ MI4-8477 206-07 Howe Services Inc safety △ MI6-0105 devices A MI4-8080 208 Sun Life Assurance Co of Wilson Julian & Sons bldg contrs A MI4-8708 Canada A MI4-5040 361 Farris John С Д MI6-7040 Colgrove L E Lbr Co whol Bloomfield Art Assn A MI4-0866 Kelly Ins Agcy A MI4-5040 Mitchell Virginia M Mrs Street continued **△** MI6-2383 183-87 Vacant 369-97 Brookside Terrace Apart-188 Detroit Bank & Trust Co The ments △ MI4-2600 Sanders John W A MI4-0156 Det Savings Safe Deposit Co Apartments. (br) Д JO4-6867 371 Hard Roy J Д МІ4-0676 191 Vacant 373 Etling Mildred R Mrs Hamilton av begins △ MI6-2498 200-50 Demery's dept store 377 Billings Helen Mrs 205 Huston Hdw Co ↑ MI4-7330 rear Huston Hdw Co (stge) △ MI4-7821 381 Gorman John J 217-37 Houston Buildings 385 Gardiner Marie E Mrs **Apartments** △ MI7-2563 219 Dewey Richd H Д MI4-1220 Kearns Mike 388 Congregational Church of Bham The A MI6-4511 Jennings Minnie R Mrs 389 Brumbaum Kathryn M Mrs △ MI6-2435 △ MI4-4435

Target Street

### N WOODWARD AVE 1960

WOODWARD AV N-Contd **Brookside Terrace Apartments-**393 Williams Olive J Mrs △ MI6-2182 397 Hargreaves Jeannette Mrs △ MI6-4192 **Euclid** av begins 460 Purmort Jos R Δ MI4-9031 462 Showman Myra ↑ MI4-4728 470 Four Seventy North Woodward Building 1st fl Matthews C D Co mtl gds mfrs A MI6-3028 2d fl Wood Conversion Co wood fibre products A MI6-7310 Street continued 474 Kassabian Bldrs contrs genl △ MI4-1200 Ravine rd begins Harmon av begins 511 Murphy's Serv Sta gas sta △ MI4-7322 523 Wieland's Interiors int dec △ MI4-2530 526 Schrock Robt Interiors △ MI6-3663 527 Walk Furn Shop Inc fnshrs △ MI4-1132 532 Squires Wm F dentist △ MI4-3414 534 Lamb Co The gifts △ MI4-0800 536 Vacant 544 Hair Designs by Charles beauty shop A MI6-4434 550 Roberts Furo Δ MI6-2266 Roberts Botique Inc women's clo A MI6-2266 568 Morton Jean Millinery △ MI4-8404 571-95 Hickory Hill Apartments 571 Griffith J Ralph mfrs agt △ MI6-4585 573 Scheifle Arth C △ MI6-0948 574 Specifications Serv Co blueprints A MI6-7750 575 Sellers Grace L Mrs △ MI4-2662 576 VanHorn Chas J Inc real est △ MI6-2400 Det Bldg & Realty Co real est △ MI6-2400 McKenney Stevenson Co mfrs agt A MI7-2244 Chicago Investment Corp real est △ MI6-2400

<u>Source</u> POLK DIRECTORY CO

## WILLITS ST 1960

WILLITS—From 264 N Woodward
av west to Overbrook dr
190 Bany Flowers florist
△ MI4-3360
N Bates intersects
300 First Baptist Church
Δ MI4-0550
Warren ct begins
384 Lewis Wm B A MI7-2171
N Chester ends
412 Clark Marie W Mrs
Д MI6-3728
424 Luckenbach Owen A @
Д MI4-2377
448 Stewart Mahlon R @
Д MI6-0378
468 Davis Robt W
487 Kogol Wm E @ 8 MI4 6019
487 Kegel Wm E ① Д MI4-6213
488 Wood Harry T 💿 Д MI6-6362
504 Wiley Geo S ① Д MI4-3182
544 Hall John E 💿 Д MI4-3589
Greenwood intersects

WILLITS ST 1960

Target Street

**Cross Street** 

Source POLK DIRECTORY CO

N BATES ST 1956

BATES N — From 296 W Maple av north 1 block Willits intersects

2774Frost Wallace archt

275 Vacant

Target Street

Source
POLK DIRECTORY CO

### N WOODWARD AVE 1956

219 Dewey Richd H **AGarner Doris V Mrs** AHays Hilda Mrs 220-22Averill Press Inc prntrs Birmingham Eccentric The newspapers ABirmingham Eccentric Inc The publrs 234 Dirmingham Eccentric news editorial & adv dept 237 Herrick Douglas C Wooton Clifford G APhillips Myrta D Mrs AMorton Chas E 250 A Warfield Paint Co 255↓Burr Herbert F shoes 264∆Uptown Serv gas sta

290⊅McKee Rebecca Mrs ⑨

Willits begins Oakland av begins

3084 Matthews Don R mfrs agt AWallace Richd B mfrs agt AMatthews Clark D mfrs agt 3164Chiku-Rin Gallery int dec 320 ABrimingham Locksmith Serv 324 A Milotte Marvel W Mrs 325 △Jacobson's Home Decorative Shops 332\Deck Clns & Dyers Inc 3404Pavey Jess S ⊚ antiques 345 Park & Shop Serv No 3 auto parking 3514Glover Geo H Inc contrs 4Johnstone & Johnstone Inc real est 352 ABenedict Clara E @ 360¢Corner House The antiques AZoeller Edith Mrs 3614Reynolds Robt APopplestone Donald AVanHorn Chas J ins ADetroit Bldg & Realty Co

AVanHorn Chas J Inc real est

367-97 Brookside Terrace 369\$Sanders John W 371\$Hard Roy J 373\$Husbands Roy C

### N WOODWARD AVE 1956

### WOODWARD AV N-Contd

377⊅Billings Helen Mrs

3814Baad Medora Mrs

3854Hammer Albert M

3884Congregational Ch of Bham

The

**Target Street** 

389 Park Mary P Mrs

393 \( \text{Williams Olive J Mrs} \)

397\(Delta Hargreaves Jeannette Mrs

Euclid av begins

4084Record Corner The

460¢Purmort Jos R

462△Masty Steph T

474♦Kassabian Bldrs

Ravine rd begins Harmon av begins

5114Murphy's Serv gas sta

5234Wieland's int dec

5264Gun Shop The gifts

5274Walk Furn Shop

532 A Squires Wm F dentist

5364Helsigan Mary Inc womens

clo

544 Alford Chas H beauty shop

550 \Delta Boutique Of Furs Inc

5684Morton Jean Mlnry

571-95 Hickory Hill Apartments

5714Griffith J Ralph

WILLITS ST 1956

WILLITS — From 264 N Woodward
av west to Overbrook dr
190 A Bany Flowers florist
N Bates intersects
300 First Baptist Church
Warren ct begins

384∆Kraus Geo H

N Chester ends

412 Clark Marie W Mrs ①

424 \( \text{Luckenbach Owen A } \( \text{O} \)

4484Bowman J F @

459⊅Henderson Fred C ⊚

468 Davis Robt W

487 ABarr J Henderson @

4884 Hatch Louise M Mrs @

WILLITS ST 1956

WILLITS—Contd

504\(Delta\) Wiley Geo S \(\overline{0}\)

544\(Delta\) Hall John E \(\overline{0}\)

Greenwood intersects

710\(Delta\) Etter Robt W \(\overline{0}\)

752\(Delta\) John S Walter E jr \(\overline{0}\)

753\(Delta\) Desmond Vance L \(\overline{0}\)

772\(Delta\) Raymond W Whiting \(\overline{0}\)

789\(Delta\) Gilbert John \(\overline{0}\)

792\(Delta\) Clarke Edwin V \(\overline{0}\)

N BATES ST 1951

BATES NORTH — From 296 W Maple av north 1 block 247♠Kontz Emil Rev Willits intersects 248 Apartments 14Gracey Clayton H 24Payton Earl G 3 Utley Wm T 4 Attig Cecil Street continued 251 Markhov Gregory 263 ABurkman Winnifred Mrs ① 4Johnston Mary E Mrs © 264ARasmussen Clair D 2664Dolin Mary A Mrs 2754 Hamilton Allen G @ 277 AFrost Wallace archt

176 National Bank Bldg Rooms: 2014MacVicar Neil S dentist 202AAnn's Beauty Salon 203AHascall Louis Co real est B'ham Gun Club 204∆Beresford Thompson Agcy ins 205↓Howe Lawrence C industrial safety serv 206-074Labor Relations Inc 208∆Sun Life Assurance Co of Canada ins AMorrill Lbr Co whol 209 Vacant Street continued 1884Birmingham Natl Bank The Hamilton av begins 183-914Kresge S S Co 5c to \$1.00 store 2054Huston Hdw Co 4Huston Hoover Authorized Sls & Serv 2104Henry's Serv fill sta 217-394Mulholland F J Co dept store 219 Dewey Richd H AGreen Robt J ABritt Marguerite Mrs 220-224Birmingham Eccentric publrs 2344Birmingham Eccentric news editorial & adv dept 2374Moore Lindo A ALandry Geo J Welch P J Herrick Douglas C 250 AMarguery Inc women's apparel 2554Burr Herbert F shoes 264\$\times Uptown Service (Div of Torrence Oil Co) gas sta
275\$\times Wilson-Pontiac-Cadillac Inc autos 2904McKee Rebecca Mrs © Willits begins Oakland av begins 308 A Mason Robt J phys 316 A Colonial Tea Room restr Watts Hector O 324\(\rightarrow\) Lothiam John \(\text{0}\)
325\(\rightarrow\) Kroger Co (br) gros
332\(\rightarrow\) Beck Clns & Dyers Inc 331 Whitney Silver Shop silversmith
Whitney Wm
ABooth Fred jr
340APavey Jess S antiques
343ABassett Myra H Mrs
APurcell R Cath
AMyer Jas J
351AJohnstone Wilbur U 
352ABenedict Clara E 
360AElliott Danl B
361AMudge Electric
AMudge Harry A 
AMeldrum Ethel Mrs
AJelinek Cecelia smith AJelinek Cecelia 369 A Sanders John W 371 A Haid Roy J 373 A Husbands Roy C 3774Purves Mollie Mrs ① 381 Baad Frank W Mrs 385 Vacant 3884First Presbyterian Ch 3894Replogle John R 3934Ustick Eliz B Mrs Euclid av begins

### N WOODWARD AVE 1951

WOODWARD AV NORTH-Contd 3974Monaghan Jos M 408 Warfield Paint Co dlr Warrilow David P 460 ABateman Isabelle Mrs 462 Vacant Ravine rd begins Harmon av begins 5114 Murphy's Service fill sta 523 A Wieland's Interior Furnishings 5264Scientific Swedish Massage Salon 5274Walk's Furn Shop repr & fnshr 571-95 Hickory Hill Apts 5714Bachus Arth A 573△Pioch Wm 5754Morley Walter G 5774 Leach Ernest C 583 Adams Merrill 585∆Hoenecke Edw 593∆Kiefer Harold 5954Curtis Edna T Mrs 615-47 Elm Court Terrace 6154Duncan S Jas 625 Vacant 627 Vacant 6294Langstrom Frank 6314Smith Reginald A 6334Rogers Jas D 6354 Cartier Harry J

WILLITS ST 1951

WILLITS — From 264 N Woodward av west to Overbrook dr 190∆Bany Flowers florist 244△Colvin Chesley N Bates intersects 300 First Baptist Church 344 Whirl Carl J @ Warren ct begins 3594 Hendrie Geo T ① 3844 Wagner Hugh S ① N Chester ends 4124Clark Marie W Mrs ① 424 \( Luckenbach Owen A \( \text{O} \) 448△Colgrove Lawrence E 4594Dare Edgar W @ 4684 Chesley Geo W @ 487 Barr J Henderson 488 △ Hatch Louise M Mrs ◎ 504⊅Wiley Geo S ⊚ 544\( \text{Rose Wm I } \emptyset{0} Greenwood intersects 7104Kirby Victor H @ 7524 Thompson Orville T ① 753 Desmond Vance L @ 7724Raymond W Whiting 7894Martin Ralph E @ 792AClarke Edwin V @ 803 Vacant

N BATES ST 1944

BATES NORTH—From 296 W Maple av north one block 2474Nelson Jos O Rev. Willits intersects 2484 Gracey Clayton H **△Walton Eug △Bennett Clyde C** 4Payton Earl G 251 Inkster John 2634Burkman Winnifred Mrs 264 Collins Lester L Collins Roy E 266 Dolin Mary A Mrs 2754Orth Arth J ®

**Target Street** 

Source
POLK DIRECTORY CO

#### N WOODWARD AVE 1944

206-074Labor Relations Inc 208 Vacant 2094Davock Harlow N bldg contr

Street continued 180<sup>4</sup>Birmingham Natl Bank The

Hamilton av begins

183-914Kresge S S Co 5c to \$1.00 store

205<sup>4</sup>Huston Hardware Co 210<sup>4</sup>Sculthorpe's Standard Service filling sta

217-239\(^A\)Mulholland F J Co dept store

219 Ward Vernelle V

Dewey Richd H

Hawes Julia F

220-22<sup>A</sup>Birmingham Eccentric publrs

234 Strand Building Products Co

237 Mintling J E
Glassford Grace M Mrs
Ryan Colleeen
Moore Lindo A

255<sup>△</sup>Valdora Tea Room

264 McKee Service filling

275 Cadillac Motor Car Division autos 290 McKee John

Willits begins
Oakland av begins

308¢Craig Suzanne S Mrs 316 Hyslop Robt

324 Lothia mJohn 💿

325<sup>△</sup>Kroger Gro & Bkg Co

328<sup>4</sup>Suburban Wall & Window Clnrs

332 Beck Cleaners & Dyers Inc

3314Bosworth Geo H

Source
POLK DIRECTORY CO

### N WOODWARD AVE 1944

WOODWARD AV NORTH-

Contd

340¢Pavey Jesse S ⊚

antiques

343 Adams Floyd E Bullick H Paul

Hurd Acel V

3514Johnstone Wilbur U

352△Flynn Leo J

360 Vacant

3614Mudge Electric

Mudge Harry A

ARice Harold M

AStecker Ethel B Mrs

3674Ebbert Robt J

Alpers Elton H

375 Harper Orman B

Magurn Anthony

Fillinger B A

Uptegraph Caroline Mrs

380 First Presbyterian Ch

3874Griffiths Charlotte I

Mrs

Conwell Harry S

Euclid av begins

408<sup>△</sup>Beasecker Frank W

460<sup>△</sup>Wickman Carl R

462<sup>△</sup>Stareck Jesse E

Ravine rd begins

485 Vacant

Harmon av begins

511 Murphy John C filling

5<mark>27-5354Wieland Furniture</mark>

Shop furn repr

551¢Rounds Geo M ⊚

615 Reineke Frances M Mrs

Vinewood av begins

720<sup>△</sup>Mother & Son Shop antiques

Jones Edith J Mrs

807 Reaney Thos A

Tacy Allen A

Source
POLK DIRECTORY CO

**WILLITS ST** 

1944

WILLITS — From 264 N
Woodward av west to Overbrook dr
1904Bany Flowers
N Bates intersects
2444Olsen Wm G ◎
2924Smith Mary Mrs
300 First Baptist Church
3444Whirl Carl J
Warren ct begins

WILLITS ST

1944

### WILLITS—Contd 3594Hendrie Geo T ® 3844Sibley Eliz G Mrs © N Chester ends 4124Clark Laurence ® 4224Luckenbach Owen A ® 4484Leary John J 4594Francis Stanley F 468<sup>△</sup>Bostwick Milo M <sup>©</sup> 4874White Alice N Mrs ® 4884Hatch Louise M Mrs ⊚ 5044Ross Fred S ◎ 5444 Humphrey Paul H @ Greenwood intersects 7524Kelley Earl C 753 Desmond Vance L © 7724Raymond W Whiting 7894Martin Ralph E ◎ 8034 Aldrich Chas B W ©



Project Name: Project Address: Project City/State: AKT Peerless Project No.:

333 N. Old Woodward Avenue Birmingham, Michigan 13661F

Res	pondent Name:	TIFFAKULT, GUNTED					
Res	pondent Signature:	Suffang & Sunter					
Res	pondent Title:	DASSIKTORT CITY Mara	ær				
Res	pondent Company:	CITYOFKIRMINGHAM	)				,
Date	):	9/17/2018					
		•	UNK =			n UNK	
1	Was a search of recorded land title records environmental liens filed or recorded agains law, completed?		- 1	V			NOT COMPLET
2	Did a search of recorded land title records (AULs, such as engineering controls, land uplace at the property site and/or have been federal, tribal, state or local law?	se restrictions or institutional controls the	nat are in		3		
3	Do you have any specialized knowledge or properties? For example, are you involved i former occupants of the property or an adjo knowledge of the chemicals and processes	n the same line of business as the curr ining property so that you would have s	ent or		W		
4	Do you have actual knowledge regarding any environmental lien or Activity Use Limitations (e.g., Commercial-use Deed Restriction) associated with the subject property?					INGREST BLEST EUR FOR BURTON KATA	
5a	Does the purchase price being paid for this of the property?	property reasonably reflect the fair mai	rket value			V	
5b	If you conclude that there is a difference, ha price is because contamination is known or					V	
6	Are you aware of commonly known or reason community about the property that would be conditions indicative of releases or threaten	elp the environmental professional to id					

7	Do you know the past uses of the property?			
8	Do you know of specific chemicals that are present or were once were present at the property?		V	
9	Do you know of spills or other chemical releases that have taken place at the property?		V	
10	Do you know of any environmental cleanups that have taken place at the property?		V	
11	Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?		V	
12	Is it your intention to utilize this Phase I ESA to qualify for Landowner Liability Protection to CERCLA liability?		V	
13	What is the reason you have retained AKT Peerless to perform this Phase I ESA (e.g., purchainsurance purposes, etc.)? POSSIBLE DEVELOPMENT VIA GROUND LETSE  Response:		efinai	nce,
14	Are there any special terms and conditions that apply to the completion of this Phase I ESA (limitations, confidentiality, etc.)?  Response:	e.g., 8	icces	S
Add	itional Comments from Client:			

South Desperance Start of the S



### Key Site Contact - Owner Environmental Assessment Questionnaire

Project Name:
Project Address: 333 N. Old Woodward Avenue
Project City/State: Birmingham, Michigan

AKT Peerless Project No.: 13661F

This questionnaire should be completed by the property owner, the owner's designated representative (anyone knowledgeable about the subject property), and returned to AKT Peerless' Environmental Professional prior to the site reconnaissance. The Environmental Professional may ask for details associated with selected questions. This questionnaire may be utilized as an exhibit in the final Report. Respondent Name: labhorson Respondent Signature: Respondent Title: Respondent Company: Date: UNK = Unknown NA = Not Applicable YES NO UNK NA YES NO UNK NA Is the Property used for an industrial use? Has Fill Dirt been brought onto the X X Property that is of an unknown origin? Are there currently any Pits, Ponds or To the best of your knowledge, has the IX Ń Property been used for an industrial Lagoons located on the Property in 2 connection with waste treatment or purpose in the past? waste disposal? X Is the Property used as a gasoline station, X To the best of your knowledge, have motor repair facility, commercial printing there been previously any Pits, Ponds or facility, dry cleaners, photo developing Lagoons located on the Property in laboratory, junkyard or landfill, or as a connection with waste treatment or waste treatment, storage, disposal, waste disposal? processing, or recycling facility? X To the best of your knowledge, has the Is there currently, any stained soil on the Project been used as a gasoline station, Property? motor repair facility, commercial printing facility, dry cleaners, photo developing 10 laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? V M Are there currently automotive or To the best of your knowledge, has there industrial batteries, pesticides, paints, or been previously any stained soil on the other chemicals in individual containers Property? 11 of greater than five gallons in volume or fifty gallons in the aggregate, stored on or used at the Property? To the best of your knowledge, have Are there currently any registered or unregistered storage tanks (above or there been previously automotive or industrial batteries, pesticides, paints, or underground) located on the Property? other chemicals in individual containers 12 of greater than five gallons in volume or fifty gallons in the aggregate, stored on or used at the Property?

**UNK** = Unknown **NA** = Not Applicable

		YES	NO	UNK	NA			YES	NO	UNK	NA
	Are there currently any industrial Drums (typically 55 gallon) or sacks of chemicals located on the Property?		X			22	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the Property?			Ø	
14	To the best of your knowledge, have there been previously any industrial Drums (typically 55 gallon) or sacks of chemicals located on the Property?			ZQ		23	Are there currently vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground or adjacent to any structure at the Property?		Ω(		
	Has Fill Dirt been brought onto the Property that originated from a contaminated site?		X			24	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground or adjacent to any structure located on the Property?		口		
16	Are there currently any flooring, drains, or walls located at the Property that are stained by substances other than water or are emitting foul odors?		X			25	Have any Hazardous Substances or Petroleum Products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Property?			ΧÍ	
17	To the best of your knowledge, have there been previously any flooring, drains, or walls located at the Property that are stained by substances other than water or are emitting foul odors?		X			26	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?			<b>\(\times\)</b>	
18	If the Property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?				山	27	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the Property?			K	
19	If the Property is served by a private well or non-public water system, has the well been designated as contaminated by any government environmental/health agency?				K	28	Has there ever been any ACM testing conducted on the Property?			X	
20	Are there any Environmental Liens or governmental notification relating to past or current violations of environmental laws with respect to the Property or any facility located on the Property?		W.			29	Is there now or has there ever been any lead-based paint (LBP) applications on the Property?			K	
21	Has the owner or occupant of the Property been informed of the past existence of Hazardous Substances or Petroleum Products with respect to the Property or any facility located on the Property?			X		30	Has there ever been LBP testing conducted on the Property?			义	

UNK = Unknown NA = Not Applicable
YES NO UNK NA

		YES	NO	UNK	NA			YES	NO	UNK	NA
31	Has the owner or occupant of the Property been informed of the current existence of Hazardous Substances or Petroleum Products with respect to the Property or any facility located on the Property?		Ď\$-			37	Has there been indications of moisture intrusion, mildew-like odors, or visible mold growth on the Property?			X	
32	Has the owner or occupant of the Property been informed of the past existence of environmental violations with respect to the Property or any facility located on the Property?			<b>X</b>		38	Is the Property or any portion of the Property located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?	與			
33	Have there been any Environmental Site Assessments of the Property that indicated the presence of Hazardous Substances or Petroleum Products on, or contamination of, the Property or recommended further assessment of the Property?		M			39	Does the Property discharge waste water on or adjacent to the Property, other than storm water, into a storm water sewer system?				
34	Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any Hazardous Substance or Petroleum Products involving the Property?		X			40	Does the Property discharge waste water on or adjacent to the Property other than storm water, or into a sanitary system?	L			
35	To the best of your knowledge, has any Adjoining Properties been used for an industrial use in the past?			لکر		41	Are any Adjoining Properties used for an industrial use?		12		
36	Is any Adjoining Property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		Ä			42	To the best of your knowledge, has any Adjoining Property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?				
Addit	tional Comments from Key Site Contact:										

Jurisdiction: City of Birmingham

County: OAKLAND

Sale Sale Inst. Terms of Sale Liber Prent. Grantor Grantee Type & Page Trans. Price Date 1 12/17/2007 WD 1-ValidSale 39888:207 100.0 BKG BIRMINGHAM US REIF 325 NORTH OLD WOO Zoning: BV Building Permit(s) Property Address Class: 202 Bus Vac School: 030 Birmingham City Sch Other 03/27/2018 0818P-0092 Addition 03/19/2018 P.R.E. 0% Owner's Name/Address 03/15/2018 0818E-0183 ITOnly: POST Other CITY OF BIRMINGHAM 2018 Est TCV 0 151 MARTIN ST Improved X Vacant Land Value Estimates for Land Table COM. Land Table COMM Ind Land Rates 2 BIRMINGHAM MI 48009-3368 \* Factors \* Public Frontage Depth Front Depth Rate %Adj. Reason Improvements Description 1.00 1.00 1.0000 1.0000 Dirt Road Tax Description 1 Actual Front Feet, 0.00 Total Acres Total Est. Land Value = Gravel Road T2N, R10E, SEC 25 SCHLAACK SUB LOTS 1 TO Paved Road 8 INCL EXC THAT PART OF LOTS 3 & 4 BEG AT Storm Sewer MOST ELY COR OF LOT 3TH S 67-34-20 W Sidewalk 50.53 FT, TH N 14-06-00 W 50.32 FT, TH N Water 59-26-20 E TO E LINE OF LOT 4, TH SELY X Sewer ALG SD LINE TO BEG, ALSO EXC S 24 FT OF Electric LOT 8, ALSO THAT PART OF VAC BATES ST ADJ Gas TO SD LOTS, ALSO OF 'ASSESSOR'S PLAT NO Curb 27' PART OF LOT 10 DESC AS BEG AT NW LOT Street Lights COR, TH NELY 64.11 FT ALG N LOT LINE, TH Standard Utilities S 59-26-20 W TO W LOT LINE, TH NWLY TO Underground Utils. BEG, ALSO ALL OF LOTS 11 TO 15 INCL, ALSO Topography of LOT 16 EXC N 40 FT THEREOF, ALSO ALL OF Site Level Rolling Low High Landscaped Swamp Wooded Pond Waterfront Ravine Wetland Taxable Year Land Building Assessed Board of Tribunal/ Flood Plain Value Value Value Review Other Value EXEMPT EXEMPT 2018 EXEMPT EXEMPT Who When 2017 EXEMPT EXEMPT EXEMPT EXEMPT 001 12/22/2005 Other The Equalizer. Copyright (c) 1999 - 2009. 2016 0 0 0 0 Licensed To: County of Oakland, Michigan 0 2015 0 0 0

Parcel Number: 08-19-25-376-097

<sup>\*\*\*</sup> Information herein deemed reliable but not guaranteed\*\*\*

CITY, VIL	LAGE, TWP. NAME: $B_{\it I}$	eminohai	~					6	097	
				ME	BI	08 /4		376 BLOCK	274 PARCEL	SUFFIX
	PROPERTY AD	DRESS		USE	ZONE	001 110	PARCEL I	· · · · · · · · · · · · · · · · · · ·	·	301117
	FI	LE MAINTENA	NCE R	ECOF	RD					
DATE	FILE MAINTENANCE NOTE	ES:			CONTRACTOR OF THE PROPERTY OF					
765/93	Combine 25.3	76-049 050	053 -	- CI	7	Pari	Kink		#43	3
					1	<u> </u>	: '		7	Commission (Control of Annies of Control
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	and the state of t	A DOLONGO TIMPO PROGRAMA POR PO				- Alfabeta de la companya della companya della companya de la companya della comp	Marian Marian	,,,,,		
n - n - n - n - n - n - n - n - n - n -	control and the state of the st	CANAL CONTRACT OF THE CONTRACT			http://orith.com/constructh		······		20-E-20ACMED-110-11	
DESAMBLE OF THE STREET	and the second s			- marianta	**************************************		ANY MARKET			
		Ali		and the second s						
	Colonia de la co		ere							
	- CONTROL OF THE PROPERTY OF T	And Advantage of the Control of the	A CONTRACTOR OF THE CONTRACTOR							
	and the state of t								Would	
- compositive and the control of the						<u></u>	······································			
										-010 THE WAYNER
	And the state of t	difference of the second secon					MADE TO THE REST OF THE REST O			
					<del>0000000000000000000000000000000000000</del>					
WMIN I										
opposition and the second seco			***	///·					-H00-12	
		Manufacture (Manufacture (Manuf								
						BO-TUZAVO-BUZ-100-EG	***************************************			
					LATAN STATEMENT					
	104-107-047-047-047-047-047-047-047-047-047-0									
***************************************			204 EV- 2							
		errore .								
	a A EAR GHIND NO WHITE A			·						
			<u> </u>		······································					
			E							
		-								
							<u> </u>			
**************************************		1.300								
		<u> </u>								





### Images by CVT

CVT/PIN: (08) 19-25-376-097

#### Address:



View: Front

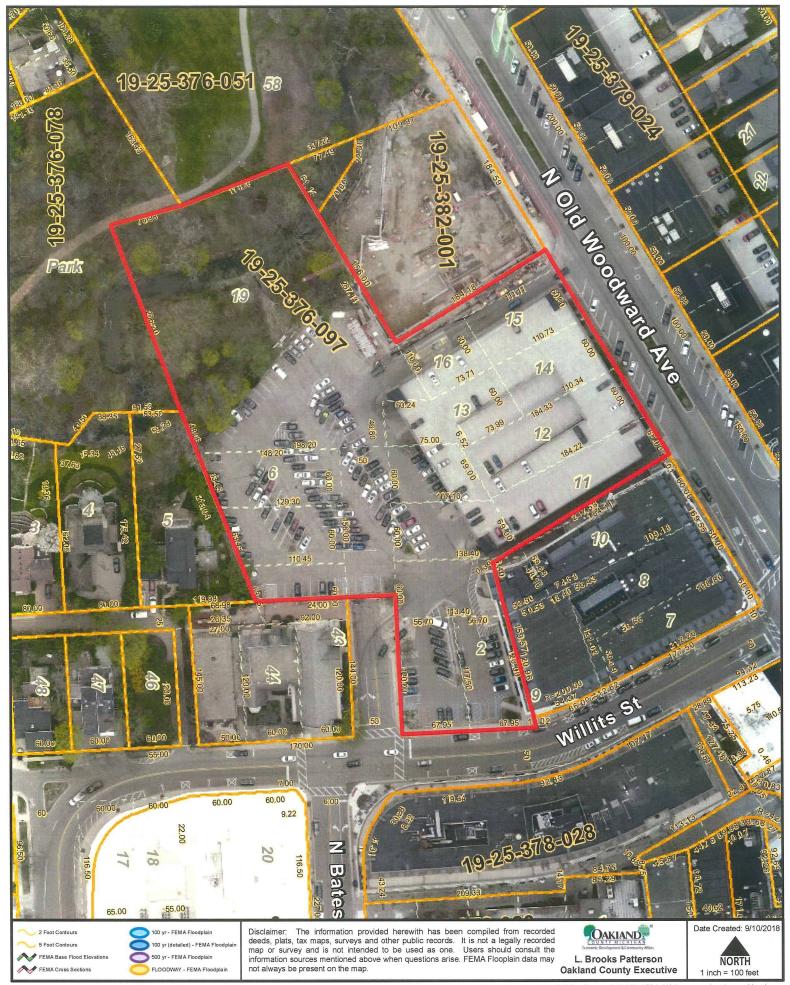
Image Date: 05/02/2011 Image Status: Active

Comments: Parking Structure

Structure: Primary
Create Date: 05/02/2011

Restrict Public View: No

### 08 19 25 376 097







CVT:	City of Birmingham	PIN:	(08) 19-25-376-097
Status:	Active	Parcel Type:	Land
Add Date:	7/20/2005	Delete Date:	
		Last Activity:	5/2/2011 12:40:14 PM

	Description
1	T2N, R10E, SEC 25
2	SCHLAACK SUB
3	LOTS 1 TO 8 INCL EXC
4	THAT PART OF LOTS 3 & 4
5	BEG AT MOST ELY COR OF LOT 3
6	TH S 67-34-20 W 50.53 FT,
7	TH N 14-06-00 W 50.32 FT,
8	TH N 59-26-20 E TO
9	E LINE OF LOT 4,
10	TH SELY ALG SD LINE
11	TO BEG, ALSO EXC
12	S 24 FT OF LOT 8, ALSO
13	THAT PART OF VAC BATES ST
14	ADJ TO SD LOTS, ALSO
15	OF 'ASSESSOR'S PLAT NO 27'
16	PART OF LOT 10
17	DESC AS
18	BEG AT NW LOT COR,
19	TH NELY 64.11 FT
20	ALG N LOT LINE,
21	TH S 59-26-20 W TO
22	W LOT LINE,
23	TH NWLY
24	TO BEG, ALSO
25	ALL OF LOTS 11 TO 15 INCL,
26	ALSO LOT 16 EXC
27	N 40 FT THEREOF, ALSO
28	ALL OF LOT 19, ALSO EXC
29	PART OF LOTS 3 & 4 OF
30	'SCHLAACK SUB' &
31	PART OF LOTS 10 & 11 OF
32	'ASSESSOR'S PLAT NO 27'
33	IN PCL DESC AS
34	BEG AT PT DIST
35	S 63-11-50 W 16.85 FT
36	FROM SE COR OF SD LOT 11,
37	TH S 63-11-50 W 103.15 FT,
38	TH S 59-26-20 W 99.61 FT,
39	TH N 14-06-00 W 6.42 FT,
40	TH N 59-26-20 E 217.53 FT,
41	TH S 30-33-40 E 4.01 FT,
42	TH S 63-11-50 W 16.19 FT,
43	TH S 26-48-10 E 10 FT

9/10/2018 11:00:18 AM Page 1 of 2





Tax I	Description
44	TO BEG, ALSO EXC
45	PART OF LOT 11 OF
46	'ASSESSOR'S PLAT NO 27'
47	DESC AS
48	BEG AT SE LOT COR,
49	TH S 63-11-50 W 16.85 FT,
50	TH N 26-48-10 W 10 FT,
51	TH N 63-11-50 E 16.19 FT,
52	TH S 30-33-40 E 10 FT
53	TO BEG
54	7-19-05 FR 079

Legacy Lineage			
Parent(s)	Delete Date	Child(ren)	Add Date
FR 079	7/20/2005	•	

Address Information					
Primary Mailing Address	Site Address Indicator	Addressee(s)	Address		
$\vee$		★City Of Birmingham	151 Martin St Birmingham MI 48009-3368		

n = Primary Site

= Extra Site

🛊 = Primary

= Secondary

= Care Of

🗅 = Other Black = Individual
Brown = Organization
Green = Trust

9/10/2018 11:00:18 AM Page 2 of 2





CVT:	City of Birmingham	PIN:	(08) 19-25-376-079
Status:	Inactive	Parcel Type:	Land
Add Date:	4/27/1993	Delete Date:	7/20/2005
		Last Activity:	12/12/2005

Tax [	Description
1	T2N, R10E, SEC 25
2	SCHLAACK SUB
3	LOTS 1 TO 8 INCL EXC
4	THAT PART OF LOTS 3 & 4
5	BEG AT MOST ELY COR OF LOT 3
6	TH S 67-34-20 W 50.53 FT,
7	TH N 14-06-00 W 50.32 FT,
8	TH N 59-26-20 E TO
9	E LINE OF LOT 4,
10	TH SELY ALG SD LINE
11	TO BEG, ALSO EXC
12	S 24 FT OF LOT 8, ALSO
13	THAT PART OF VAC BATES ST
14	ADJ TO SD LOTS, ALSO
15	OF 'ASSESSOR'S PLAT NO 27'
16	PART OF LOT 10
17	DESC AS
18	BEG AT NW LOT COR,
19	TH NELY 64.11 FT
20	ALG N LOT LINE,
21	TH S 59-26-20 W TO
22	W LOT LINE,
23	TH NWLY
24	TO BEG, ALSO
25	ALL OF LOTS 11 TO 15 INCL,
26	ALSO LOT 16 EXC
27	N 40 FT THEREOF, ALSO
28	ALL OF LOT 19, ALSO EXC
29	PART OF LOTS 3 & 4 OF
30	'SCHLAACK SUB' &
31	PART OF LOTS 10 & 11 OF
32	'ASSESSOR'S PLAT NO 27'
33	IN PCL DESC AS
34	BEG AT PT DIST
35	S 63-11-50 W 16.85 FT
36	FROM SE COR OF SD LOT 11,
37	TH S 63-11-50 W 103.15 FT,
38	TH S 59-26-20 W 99.61 FT,
39	TH N 14-06-00 W 6.42 FT,
40	TH N 59-26-20 E 217.53 FT,
41	TH S 30-33-40 E 4.01 FT,
42	TH S 63-11-50 W 16.19 FT,
43	TH S 26-48-10 E 10 FT

9/10/2018 11:01:11 AM Page 1 of 2





Tax	Tax Description			
44	TO BEG			
45	4-9-93 FR 049, 050 & 053			
46	7-24-00 CORR			
47	7-20-05 DELETE TO 079			

Legacy Lineage	<b>用的复数形式的</b>		
Parent(s)	Delete Date	Child(ren)	Add Date
FR 049, 050 & 053	4/27/1993	TO 097 & 098	7/20/2005

Address Information			
Primary Mailing Address	Site Address Indicator	Addressee(s)	Address
V		★City Of Birmingham	151 Martin St Birmingham MI 48009-3368

♠ = Primary Site♠ = Extra Site

= Primary

= Secondary

= Care Of

Other
 Black = Individual
 Brown = Organization
 Green = Trust

9/10/2018 11:01:11 AM Page 2 of 2





CVT:	City of Birmingham	PIN:	(08) 19-25-376-049
Status:	Inactive	Parcel Type:	Land
Add Date:		Delete Date:	4/27/1993
		Last Activity:	2/5/2010 5:50:18 PM

Tax	Tax Description			
1	T2N, R10E, SEC 25			
2	ASSESSOR'S PLAT NO 27			
3	LOT 19			

Legacy Lineage			
Parent(s)	Delete Date	Child(ren)	Add Date
		TO 079	4/27/1993

Address Information			
Primary Mailing Address	Site Address Indicator	Addressee(s)	Address
$\vee$		★City Of Birmingham	PO Box 3001 Birmingham MI 48012

Address Info Legend

= Primary Mailing

n = Primary Site 🚠 = Extra Site

🛊 = Primary

= Secondary

= Care Of

Other Black = Individual Brown = Organization Green = Trust

9/10/2018 11:01:47 AM Page 1 of 1





CVT:	City of Birmingham	PIN:	(08) 19-25-376-050
Status:	Inactive	Parcel Type:	Land
Add Date:		Delete Date:	4/27/1993
		Last Activity:	2/5/2010 5:50:18 PM

Tax I	Description
1	T2N, R10E, SEC 25
2	SCHLAACK SUB
3	LOTS 1 TO 8 INCL EXC
4	THAT PART OF LOTS 3 & 4
5	BEG AT MOST ELY
6	COR OF LOT 3,
7	TH S 67-34-20 W 50.53 FT,
8	TH N 14-06-00 W 50.32 FT,
9	TH N 59-26-20 E TO
10	E LINE OF LOT 4,
11	TH SELY ALG SD LINE TO BEG,
12	ALSO EXC S 24 FT OF LOT 8,
13	ALSO THAT PART OF VAC
14	BATES ST ADJ TO SD LOTS

egacy Lineage			
Parent(s)	Delete Date	Child(ren)	Add Date
		O 079	4/27/1993

Address Information			
Primary Mailing Address	Site Address Indicator	Addressee(s)	Address
~		★City Of Birmingham	PO Box 3001 Birmingham MI 48012

n = Primary Site

🚡 = Extra Site

🚖 = Primary

= Secondary

= Care Of Other

Black = Individual
Brown = Organization
Green = Trust





CVT:	City of Birmingham	PIN:	(08) 19-25-376-053
Status:	Inactive	Parcel Type:	Land
Add Date:		Delete Date:	4/27/1993
		Last Activity:	2/5/2010 5:50:18 PM

Tax I	Description
1	T2N, R10E, SEC 25
2	ASSESSOR'S PLAT NO 27
3	PART OF LOT 10 DESC AS
4	BEG AT NW LOT COR,
5	TH NELY 64.11 FT
6	ALG N LOT LINE,
7	TH S 59-26-20 W TO W LOT
8	LINE, TH NWLY TO BEG, ALSO
9	ALL OF LOTS 11 TO 15 INCL,
10	ALSO LOT 16 EXC N 40 FT
11	THEREOF

Legacy Lineage			
Parent(s)	Delete Date	Child(ren)	Add Date
		TO 079	4/27/1993

Address Information								
Primary Mailing Address	Site Address Indicator	Addressee(s)	Address					
$\vee$		★City Of Birmingham	PO Box 3001 Birmingham MI 48012					

Address Info Legend

= Primary Mailing

♠ = Primary Site♠ = Extra Site

\star = Primary

= Secondary

= Care Of

Other Black = Individual
Brown = Organization

Green = Trust

9/10/2018 11:02:21 AM Page 1 of 1

COUNTRAIND COUNTY The state of the s JUL 14 2005

07-14-05AJJ:51 JCYD

PROPERTY DESCRIPTION RECORD CHANGE FORM D. P. Desc. Mapping Typing Description Xerox & File 047-20-05 8-24-05

g į							;	***************						$\overline{()}$	(7)	1	9	Ş
			•				la rom		-					28	0 %	[3]		C.V.D. MARIE
						! }										ļļ	,	Ş
	1						-				4		5 1					
							1			Plant Str.			i		<u>-</u>	The second		170
35					-	1				_				19.65.3760790	9253760750	S S	3	BIRMINGHAM
-													-	U	N			2
1					No.									Ō	W			
					1		} 			-								ح
				S			-			.,			-	6	<u></u>			00
											_	Ĺ <u>.</u>		0	2	ecologica e e e e e e e e e e e e e e e e e e e	01-76-640	#
10			) Second	-			lucc				ļ		1	P.		The state of	<u>-</u>	1
			-	-		ļ	-			_	i.		} }	يا		address.		
			5 -				ļ	1					}	$\vdash$ 0	U			
						1					A 100 A			G	$\mathcal{O}$	[23]		
				The state of the s	1								_			ISA N		
57		9 1 1			1	<del></del>		7	-		Suren.	<u>.</u>		$\overline{\bigcirc}$	$\bigcirc$	TRANGACT	 Э́л	9
				\$		<u> </u>		ļ	ļ					=		No. of the second	-/: 	0.7/1.000#
			1		} 	-	}	} \$	<u></u>		1			-		NO.		8
				ļ		· · · · · · · · · · · · · · · · · · ·	<u> </u>		A commence of the commence of			ļ	}	494	A570.			Ħ
	_	-		-	L		_		5 2 4			-	į	2	0			:
	_		_	} }		-	-		-	ļ 	-		1	laws.	and the same of	Section 20		
20		lan.						1				Ì	Control of the Contro	4000	O	4.04	5	
		ar en abanea.	- Mary Const.	B 1000	al contract		S a series					-				17 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2		$\infty$
					1					j	<u></u>		-		-	A section of		
		The second policy	}- 	-		1	-			1	Ė	-	-	-	-	out the same		
				-		1				Through a	1	} }	-	f and	- Indiana	And the second s		
	_	-	<del>-</del>	-	1	L	F				1	ļ.				the most miletane to		
Si Si		-	-	-	-	-		<del>-</del> -			ļ_	e de la composition della comp	-	Committee of	See and the see an	To be a second of the second o	N T	
	ļ	] }	} 	_	<u></u>			-			ļ	ļ 		OD		Allendar I		
					<u></u>									C Transco	- Sandaranda	The state of the s		
		The second secon							1.		1		Water made		and the same	PRO		
									1		<u> </u>		1		Server Control			:
8	_	-	-			i -	-	-	-	-	Ī		Part of the second seco			177	 دا	Ş.
	-	-	-	Š	-				in	\$ }	-	-	The same of the sa	1		9	<u>~</u>	DAFE.
			-	1	-		_				-	-	_	-	-	30		_\
			-	-	-	A COLUMN TO A COLU					-	_	-	-	-	P		
			-	-		-	-	1	ļ	9 \ \frac{1}{2}	_	ĺ	-	<u> </u>	di di di	FERTY DESCRIPTION LINE	*****	-12-05
			_		_		1	ļ ļ			L			and the same		4		1
G		to reconstruction of the second	-	2		The state of the s		44 and		The state of the s	. Carried Street	T C C C C C C C C C C C C C C C C C C C	2		a constitution of	T NS	9	10 17 h
		a variable		- Company of the Comp		To the second of	The Park of the Pa					1	- man ode dicom		on creeking in	domining the state of the state	-Australia	
		E-print Village	Ī	Inter-		1	100000	<del></del>		1		-		The control of	Tressouries	edicono.		: PAGE
	<u></u>	- Constant	İ	-	<u>-</u>	<u></u>				1	-				re some se	all lossons in		6
			-	İ	-	7	-	1_	-	Š Semano S	-		1	1	-	The second second	***********	
			<u> </u>	-			1	_	ļ	1		-	***************************************	3	-	Andrewson of the second of the		
8		Ē	-	1	Section 1	-			<u> </u>		_			-		and the state of t	ŝ	
			1			ļ.,	- Common				_					American de la constante de la		
_		Total Court form		To the Control of the	and to live		The second secon	1	the control of				and the second	ad increasingly.		Secure de		
	_	7	1				Divini a fact			To be a second	-		777	2	-	ado aporto e		<u></u>
		a de la companya de l	Parame 4		form:	-	-	<del>}</del> 1			i	-	-	and the same of th	-	44.00		-
8		1	£	<u> </u> -	-		5	-	-	- The state of the				-	1	Service and the service and th	.s.	
	<u></u>	i.	<u> </u>	<u> </u>	L	Ĺ		i	1		<u> </u>	Š.		<u> </u>	Ĺ	<u>;</u>	OR .	

CVT NAME	Continue of the last of the la	MINGHAM		ATE	
HOMESTEA	D EXE	MPT C	ODE	%	- Andrew Construction of the Construction of t
011   105   110	1 115	1	1 1251   1 1301   1	-	1 143
	1	MEME	. ddt.	rl ·	
IDUPLICATE FIRST CARD	<u>" 1,2,0 C</u>	ITY OF	BIRMINGHA	4	
	-	<u> </u>	F		
(DUPLICATE FIRST CARD	1,3,0				
				<del></del>	
(DUPLICATE FIRST CARD)	1,4,0	SI MACT	5		
		IRMINGH			
1011 1 1 1051 1 1 1 1101	1441	1 1 1501 1	155   601	1 65 + 1	1 171
(DUPLICATE FIRST CARD)			1251   1 1301   1	35         40 <sub> </sub>	1 1 1 1
	1,5,00,	1214, 111	0E, SEC 25		*
(DUPLICATE FIRST CARD)	012	SCHLA	ACK SUB		
· · · · · · · · · · · · · · · · · · ·	11,5,00,3	LOTS 1	TO 8 INCL EX	С	
	0,4	THAT P	ART OF LOTS	3 & 4	*
(DUPLICATE FIRST CARD)	1,5,0 0,5	BEG AT	MOST ELY CO	OR OF LOT	3 .
	0,6	1HS67-	-34-20 W 50.5(	3 FT	*
(DUPLICATE FIRST CARD	1,5,00,7	TH N 14-	-06-00 W 50.32	2 FT.	
	0,8	TH N 59-	-26-20 E TO	,	
(DUPLICATE FIRST CARD)	1,5,00,9		F LOT 4,		
	1,0	TH SELY	ALG SD LINE		
(DUPLICATE FIRST CARD)	1,5,01,1	TO BEG,	ALSO EXC		•
	1,2	S 24 FT (	OF LOT 8. ALS	60	
(DUPLICATE FIRST CARD)	1,5,01,3	THAT PA	RT OF VAC B	ATES ST	
		ADJ 10 8	SD LOTS, ALS	0	
(DUPLICATE FIRST CARD)	1,4	OF 'ASSE	SSOR'S PLA	- 	
(MOT CARD)	1,5,0 1,5	PART OF	LOT 10		
IDIN 10 NO.	1,6	DESC AS			
(DUPLICATE FIRST CARD)	1,5,0 1,7	BEGATN	W LOT COR,		•
	1,8	<del> </del>			·

CVT NAME BIRMINGHAM DATE

TH NELY 64.11 FT	.01.	
ALG N LOT LINE, TH S 59-26-20 W TO W LOT LINE, TH NWLY TO BEG, ALSO ALL OF LOTS 11 TO 15 INCL, ALSO LOT 16 EXC N 40 FT THEREOF, ALSO ALL OF LOTS 3 & 4 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & PART OF LOTS 10 & 11 OF SCHLAACK SUB' & SCHL	011 105 1 1 1101 1 115	3 TH NELV 64 44 FT
TH S 59-26-20 W TO   W LOT LINE,   TH NWLY   TO BEG, ALSO   ALL OF LOTS 11 TO 15 INCL,   ALSO LOT 16 EXC   N 40 FT THEREOF, ALSO   ALL OF LOT 19, ALSO EXC   PART OF LOTS 3 & 4 OF   SCHLAACK SUB' & PART OF LOTS 10 & 11 OF   ASSESSOR'S PLAT NO 27'   IN PCL DESC AS   BEG AT PT DIST   S 63-11-50 W 16.85 FT   FROM SE COR OF SD LOT 11,   TH S 69-26-20 W 99.61 FT,   TH N 14-06-00 W 6.42 FT,   TH N 59-26-20 E 217.53 FT,   TH		ALC ALLOT LINE
CDUPLICATE FIRST CARD    1,5,0   2   TH NWLY		
CDUPLICATE FIRST CARD    1,5,0   23   TH NWLY   TO BEG, ALSO   ALL OF LOTS 11 TO 15 INCL,   ALSO LOT 16 EXC   N 40 FT THEREOF, ALSO   ALL OF LOT 19, ALSO EXC   ALL OF LOT 19, ALSO EXC   PART OF LOTS 3 & 4 OF   SCHLAACK SUB' &   PART OF LOTS 10 & 11 OF   SCHLAACK SUB' &   PART OF LOTS 10 & 11 OF   SSESSOR'S PLAT NO 27'   IN PCL DESC AS   BEG AT PT DIST   S 63-11-50 W 16.85 FT   FROM SE COR OF SD LOT 11,   TH S 63-11-50 W 103.15 FT,   TH S 59-26-20 W 99.61 FT,   TH N 14-06-00 W 6.42 FT,   TH N 59-26-20 E 217.53 FT,   TH N 59-26-20 E	(DUPLICATE FIRST CARD) 1,5,0	
1,5,0   2,0   3,0   3,0   4   4   5   5   5   5   5   5   5   5		Margan P
(DUPLICATE FIRST CARD)   1,5,0   1,5,0   21   1,5,0   2	(DUPLICATE FIRST CARD) 1,5,0	
(DUPLICATE FIRST CARD) 1,5,0 21  (DUPLICATE FIRST CARD) 1,5,0 21  (DUPLICATE FIRST CARD) 1,5,0 21  (DUPLICATE FIRST CARD) 1,5,0 21  (DUPLICATE FIRST CARD) 1,5,0 31		IOBEG, ALSO
(DUPLICATE FIRST CARD) 1,5,0 2.1  (DUPLICATE FIRST CARD) 1,5,0 2.1  (DUPLICATE FIRST CARD) 1,5,0 3.1		ALL OF LOTS 11 TO 15 INCL.
(DUPLICATE FIRST CARD)  (DUPLI		
(DUPLICATE FIRST CARD)  (DUPLI	(DUPLICATE FIRST CARD)	N 40 FT THEREOF, ALSO
(DUPLICATE FIRST CARD)  (DUPLI	11,5,0	ALL OF LOT 19, ALSO EXC
SCHLAACK SUB' & PART OF LOTS 10 & 11 OF		
(DUPLICATE FIRST CARD)  (DUPLI	(DUPLICATE FIRST CARD) 1,5,0	SCHLAACK SUB' &
ASSESSOR'S PLAT NO 27'   IN PCL DESC AS   BEG AT PT DIST   S 63-11-50 W 16.85 FT   FROM SE COR OF SD LOT 11, TH S 63-11-50 W 103.15 FT, TH S 59-26-20 W 99.61 FT, TH N 14-06-00 W 6.42 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.53 FT, TH S 59-26-20 E 217.53 FT, TH S 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.5	96	PART OF LOTS 10 & 11 OF
IN PCL DESC AS   BEG AT PT DIST   S 63-11-50 W 16.85 FT   FROM SE COR OF SD LOT 11, TH S 63-11-50 W 103.15 FT, TH S 59-26-20 W 99.61 FT, TH N 14-06-00 W 6.42 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217	(DUPLICATE FIRST CARD) 1,5,0	'ASSESSOR'S PLAT NO 27'
DUPLICATE FIRST CARD    1,5,0,3,3   BEG AT PT DIST   S 63-11-50 W 16.85 FT   FROM SE COR OF SD LOT 11,   TH S 63-11-50 W 103.15 FT,   TH S 59-26-20 W 99.61 FT,   TH N 14-06-00 W 6.42 FT,   TH N 59-26-20 E 217.53 FT,	32	IN PCL DESC AS
S 63-11-50 W 16.85 FT FROM SE COR OF SD LOT 11, TH S 63-11-50 W 103.15 FT, TH S 59-26-20 W 99.61 FT, TH N 14-06-00 W 6.42 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.53 FT,	(DUPLICATE FIRST CARD) 1,5,033	
(DUPLICATE FIRST CARD)  1,5,0 3,5 FROM SE COR OF SD LOT 11, TH S 63-11-50 W 103.15 FT, TH S 59-26-20 W 99.61 FT, TH N 14-06-00 W 6.42 FT, TH N 59-26-20 E 217.53 FT, TH N 59-26-20 E 217.53 FT,	- •	
TH S 63-11-50 W 103.15 FT,  TH S 59-26-20 W 99.61 FT,  TH N 14-06-00 W 6.42 FT,  TH N 59-26-20 E 217.53 FT,  TH N 59-26-20 E 217.53 FT,	(DUPLICATE FIRST CARD) 1,5,0	
(DUPLICATE FIRST CARD) 1,5,0 3,7 TH S 59-26-20 W 99.61 FT,  TH N 14-06-00 W 6.42 FT,  TH N 59-26-20 E 217.53 FT,	36	TH S 63-11-50 W 103.15 FT
TH N 14-06-00 W 6.42 FT,  TH N 59-26-20 E 217.53 FT,		
(DUPLICATE FIRST CARD) 1,5,0,39 TH N 59-26-20 E 217.53 FT,		TUN 14 00 00 M 0 10 ==
TILO 00 00 10 = 101		
	40	TU 0 00 00 10 T
(DUPLICATE FIRST CARD) 1,5,0 TH S 63-11-50 W 16.19 FT,	i 1 _ 1	/
TH S 26-48-10 E 10 FT		TH S 26-48-10 E 10 FT
(DUPLICATE FIRST CARD) 1,5,0 43 TO BEG, ALSO EXC		TO BEG, ALSO EXC
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10' 15	
	DRM NO. D.P. 464 581-B	1

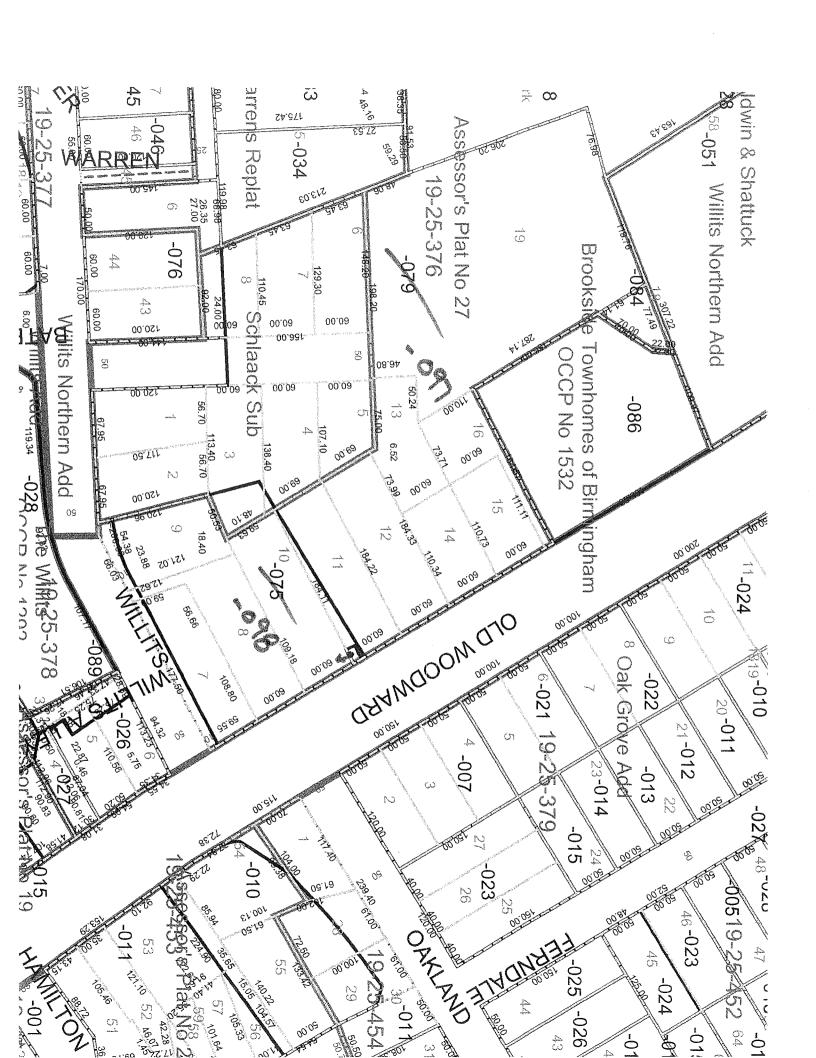
<u> 1811   1   1851   1   1   180   1   1</u>		<u>!                                    </u>
061925376097	1,5,04,5	
	46	'ASSESSOR'S PLAT NO 27'
(DUPLICATE FIRST CARD)	ŧ.	DESC AS
	4.8	BEG AT SE LOT COR,
(DUPLICATE FIRST CARD)	1,5,049	TH S 63-11-50 W 16.85 FT,
	50	TH N 26-48-10 W 10 FT,
(DUPLICATE FIRST CARD)	1,5,0 <b>5,1</b>	TH N 63-11-50 E 16.19 FT,
	52	TH S 30-33-40 E 10 FT
(DUPLICATE FIRST CARD)	1,5,0 53	TO BEG
	54	7/19/05 FR 079
(DUPLICATE FIRST CARD)	1,5,05,5	
Approximation to the contract of the contract	56	
(DUPLICATE FIRST CARD)	1,5,05,7	
	58	
(DUPLICATE FIRST CARD)	1,5,059	
	60	
(DUPLICATE FIRST CARD)	1,5,061	
	62	
(DUPLICATE FIRST CARD)	1,5,063	
	64	
(DUPLICATE FIRST CARD)	1,5,065	
	66	
(DUPLICATE FIRST CARD)	1,5,06,7	
	68	
(DUPLICATE FIRST CARD)	1,5,06,9	
101 1 1 105	7.0	
FORM NO D.P 464 5514B	1461	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

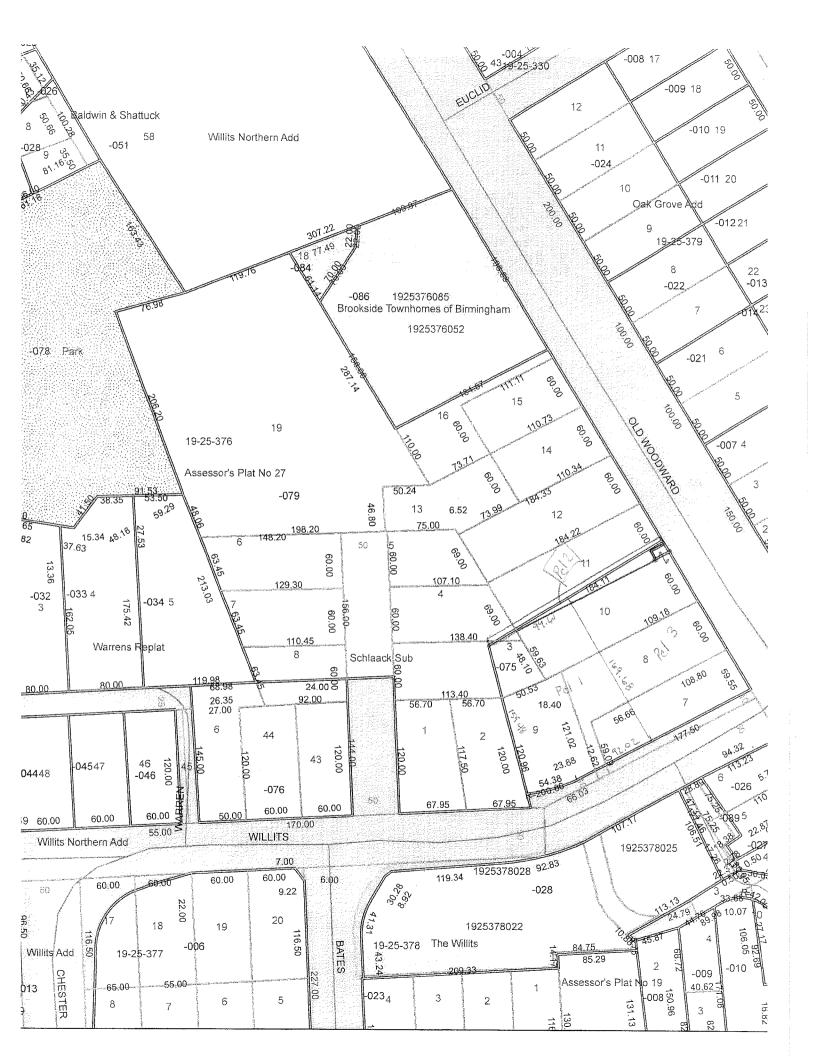
CVT	NAME_	Bul	ZMIN	)6HA	M				TE ,	7-12-0	5
HOM	ESTEAD	EX	EN	1PT	C	ODE		0	%		
011   1	1051   1 1101	11111	5   1	20	<b>Ļ</b>					1 1401 1 143	4
<u> </u>	1253,7,60,1	j				CBD_	**************************************	THE PROPERTY OF THE PARTY OF TH			
(DUPL	ICATE FIRST CARDI	1,2,0	16/k	16	<u>B</u> /,	R.MI.N.	6.HA H.	440			
		7		, 				<u> </u>			
(DUPL	ICATE FIRST CARD)	1,3,0						1 1 1			-
Contract of the second of the					I.	1 1 1 1	1 1 1 1				1
(DUPLI	CATE FIRST CARD)	1,4,0	3,0,	1.0.0.	17.	e./,e.a,r	ca, p, h,	Rd.	54,9	366	
			BA	N.6,H	AM	FARA	45 H	I 487	025		
011 1 1	05        10	1 1 115				1 25				1   40;	1 ,45
(DUPLI	CATE FIRST CARD)	1,5,0	0,1								<u></u>
			0,2	T2N	<u>, R</u>	10E, S	EC 25	5		45	Aus
(DUPLI	CATE FIRST CARD)	1,5,0	0 2	A55	ヒシ	SOR'S	PLA	T NO :	27	۵	
Train and the second		1.1010		LUI		&8&	•			#	
(DUPLIC	CATE FIRST CARD)					ART T		N FOR	2		
						S ST, A		7			
						TOFL			SO		
(DUPLIC	CATE FIRST CARD	i				)F SD					*
<del></del>						F LOT		4 OF	•		6
(DUPLIC	ATE FIRST CARD)	1,5,0	0,9			ACK S					8
			1,0			SC AS	·				-
(DUPLIC	ATE FIRST CARD)	1,5,0	111			PT DI					*
						-50 W		_			- ]
(DUPLIC	ATE FIRST CARD)	1,5,0				<u> 1E CO</u>				),	_
						-33-40					
(DUPLIC	ATE FIRST CARD)					-30-00					,  -
		1,5,0				-34-20					*
(DUPLICA	ATE FIRST CARD)	1				-06-00					$\mathbb{H}$
	5 T T 10 T	1,5,0	1,7	<u>TH N</u>	59	-26-20	E 99	.01 FT			
		4	6 8	50	1-1-	55	1 60	1 65	<del></del>	70	75

CVT NAME\_BIRMINGHAM DATE\_\_\_\_

101]   105]   1 110]	1 1 1 1 1 1 1	1 120 1 1 125 1 1 130 1 1 135 1 1 140 1 1 125
08 1925,37609	1,5,019	TO BEG, ALSO
	26	PART OF LOTS 3 & 4 OF
(DUPLICATE FIRST CARD)	1,5,0	'SCHLAACK SUB' &
	22	PART OF LOTS 10 & 11 OF
(DUPLICATE FIRST CARD)	1,5,023	'ASSESSOR'S PLAT NO 27'
	2	IN PCL DESC AS
(DUPLICATE FIRST CARD)	1,5,025	BEG AT PT DIST
	1_	110 00-11-00 VV 10.00 F1
(DUPLICATE FIRST CARD)	150	FROM SE COR OF SD LOT 11,
		TH S 63-11-50 W 103.15 FT
(DUPLICATE FIRST CARD)	68	TH S 59-26-20 W 99.61 FT,
L Control Childy	11,5,0	TH N 14-06-00 W 6.42 FT,
OUDLICATE FIRST CARRY	)   }	TH N 59-26-20 E 217.53 FT
(DUPLICATE FIRST CARD)	1,5,0	TH S 30-33-40 E 4.01 FT,
(DUDL) QATE SIDOT QATE	32	TH S 63-11-50 W 16.19 FT,
(DUPLICATE FIRST CARD)	1,5,033	TH S 26-48-10 E 10 FT
		TO BEG, ALSO
(DUPLICATE FIRST CARD)	1,5,03,5	
	1 1	'ASSESSOR'S PLAT NO 27'
(DUPLICATE FIRST CARD)	1,5,03,1	DESC AS
	38	BEG AT SE LOT COR,
(DUPLICATE FIRST CARD)	1,5,0,3,9	TH S 63-11-50 W 16.85 FT, TH N 26-48-10 W 10 FT,
	40	TH N 63-11-50 E 16.19 FT,
(DUPLICATE FIRST CARD)	1,5,04,	TH S 30-33-40 E 10 FT
	42	TO BEG
(DUPLICATE FIRST CARD)	1,5043	7-19-05 FR 075 & 079
	15	
FORM NO. D.P. 464 581-B	1461 1	, 1501 1 1 1551 1 1 1601 1 1 1651 1 170 1 175

CVT NAME_	Bu	ZMIN6HA		DAT	7-12-05
HOMESTEAD	EX	EMPT	CODE	0	%
0.8 1.9.253.7.60.98	1 . 1 . C		1 (BD	1    30         35	
(DUPLICATE FIRST CARD)	1,2,0			BHAH LLC.	
(DUPLICATE FIRST CARD)	1,3,0	30,5 1	0,42, Ne	CPUARD.	
	T	BIRMI,	VSHAM N	11, 1, 480,0	9
(DUPLICATE FIRST CARD)	1,4,0	3,0,1,0,0,	Tel.eg.r	aph Rd s	t.e. ,3,6,6,
		BANGH.	AM FARM	19 MJ 4801	25
01      05        10	1 115	1 1 1201	1 1 125		1 1 1401 1 1 145
(DUPLICATE FIRST CARD)	1,5,0	0,1	11111	<u> </u>	
	·*************************************	0,2 , ,	<u> </u>	<del> </del>	
(DUPLICATE FIRST CARD)	1,5,0	0,3			
		0,4			
(DUPLICATE FIRST CARD)	1,5,0	0,5			
		0,6			
(DUPLICATE FIRST CARD	1,5,0	0,7			
		0,8			
(DUPLICATE FIRST CARD)	1,5,0				
		1,0			
(DUPLICATE FIRST CARD)	1,5,0	1,1			
1		1,2			
(DUPLICATE FIRST CARD)	1,5,0	1,3	<del></del>		
		1,4	<u> </u>		
(DUPLICATE FIRST CARD)	1,5,0	1,5			
		1,6			
(DUPLICATE FIRST CARD)	,5,0 115	1,7			
	-	1 8	<del>┈╏┈╏┈╏╒╒╠┈┡╸</del> ╈╸	+ + + + + + + + + + + + + + + + + + + +	





### MEMORANDUM

T0:

Janet Laing, Assessor

FROM:

Mary B. Ferrario, Building Official

DATE:

June 27, 2005

RE:

Lot Combination - 325 North Old Woodward

The attached request for a lot combination has been submitted. A lot description, application and check have been received and approved by this department.

The applicant is requesting new sid- well numbers indicating the change.

### Community Development Department Birmingham, Michigan LOT SEPARATION/COMBINATION FOR BUILDING PERMIT

Prior to making application for a building permit, the property owner must complete the following application form and submit the required information noted below when seeking approval to combine or separate platted lots for purpose of developing the property(s), pursuant to Chapter 102 Subdivisions, Section 102-51 Approval Required, Birmingham City Code. Approval must be granted by the Building Official and new parcel identification numbers issued by the County prior to submission of a building permit application.

Date: 6-24-05								
Property Address and Legal Description:								
325 North Old Woodward. Birmingham. Legal: See Attached Survey.								
Current Parcel I.D. No(s). 19-25-376-075 and a portion of								
<u>19</u> - <u>25</u> - <u>376</u> - <u>079</u> .								
A Registered land survey must be attached to this application showing at a minimum:								
<ul> <li>All existing platted lot lines</li> <li>Legal descriptions for each separate lot</li> <li>Location of structures</li> <li>All setbacks</li> <li>Location of adjacent property structures and setbacks</li> <li>Application Fee of \$100.00</li> </ul>								
(I), (We), do hereby swear that all of the statements, signatures and descriptions appearing on and with this request are in all respects true and accurate to the best of (my), (our), knowledge. SEE LETTER EXPLANATION ATTACHED.								
Required Signature of Property Owner(s): B/K/G Birmingham, LLC  By: Burton-Katzman Development Company, Inc.  Its: Manager								
Print Name  Bren L. Buckley, Vice President, Development Print Name								
Phone Number: Phone Number: _(248) 647 – 8811								
(A letter of authority or power of attorney shall be attached in the event the request is made by a person other than the owner of the property.)  APPROVALS  Building Official Approval: M. B. Ferranio Date: 16/27/05								
Treasurer Approval: Date: Date: Application Fee: \$100.00								

No.5775 P. 5Page Lot 2



Search for: GO: Advanced Search View Cart Will

Sign Out

My Products

Available Product Data

User Maintenance

Help

Next Parcel ID 1925376079

Locate this parcel Locate

### Return to Search Menu

### mmercial & Industrial Property Profile

te: If you use the 'Reload' function of your browser, you will be billed again. You will not be billed for using

#### 5 N OLD WOODWARD, BIRMINGHAM, MÎ 48009-5331 cel ID Municipality 19-25-376-075 Owner(s) CITY OF BIRMINGHAM B/K/G BIRMINGHAM, LLC

ier Mailing Address

00 TELEGRAPH RD SUITE 366, BINGHAM FARMS, MI 48025

erty Description

I, R10E, SEC 25 ASSESSOR'S PLAT NO 27 LOTS 7 & 8 & 9, EXC THAT PART TAKEN FOR WILLITS ALSO E 120 FT OF LOT 10, ALSO PART OF SD LOT 10 & PART OF LOTS 3 & 4 OF 'SCHLAACK 'ALL DESC AS, BEG AT PT DIST S 63-11-50 W 120 FT FROM NE COR OF SD LOT 10, TH S 30-33-59.94 FT, TH S 63-30-00 W 64.01 FT, TH S 67-34-20 W 50.53 FT, TH N 14-06-00 W 50.32 FT, TH -26-20 E 99.01 FT TO BEG, ALSO PART OF LOTS 3 & 4 OF 'SCHLAACK SUB' & PART OF LOTS 10 OF 'ASSESSOR'S PLAT NO 27' IN PCL DESC AS BEG AT PT DIST S 63-11-50 W 16.85 FT FROM SE OF SD LOT 11, TH S 63-11-50 W 103.15 FT, TH S 59-26-20 W 99.61 FT, TH N 14-06-00 W 6.42 FT, I 59-26-20 E 217.53 FT, TH S 30-33-40 E 4.01 FT, TH S 63-11-50 W 16.19 FT, TH S 26-48-10 E 10

		_	40 TO T.10
JSINESS IMPROVED	HAMINGHA	Neighborhood Code CBD	
N : Assessed Value	Septic Indicator	Well Indicator	Sewer Indicator
\$1,566,640	Capped Value \$1,554,730	State Equalized Val	ue \$1,566,640
tatus	Split/Combination In	formation	
	Date Added		

Date Added Added Parcel Added From 4/17/1990 FR 066 & 067 Value

No sales since 1994

Effective Date for Taxes \$1,554,730 12/1/2004

Homestead %



Search for:		(00)
	Advanced Search	View Cart

	The second secon			- Approximate of the second of
	William Indiana		Advanced Search	View Cart
Sign Out				
Sign Out	My Products	Available Product Data		
		" TODUCE Data	User Maintenance	Help
Next Parcel ID		Locate this parcel	→ Locate	
esidential Droperty B. Cu	Return to Se			

### lesidential Property Profile

ote: If you use the 'Reload' function of your browser, you will be billed again. You will not be billed for using ne 'Back' and 'Forward' buttons. Last updated on for .

	No property address available	
'arcel ID	Municipality	
19-25-376-079	CITY OF BIRMINGHAM	Owner(s)  CITY OF BIRMINGHAM
roperty Description		DIT OF BIRMINGHAM

2N, R10E, SEC 25 SCHLAACK SUB LOTS 1 TO 8 INCL EXC THAT PART OF LOTS 3 & 4 BEG AT MOST ELY OR OF LOT 3TH S 67-34-20 W 50.53 FT, TH N 14-06-00 W 50.32 FT, TH N 59-26-20 E TO E LINE OF LOT 4, H SELY ALG SD LINE TO BEG, ALSO EXC S 24 FT OF LOT 8, ALSO THAT PART OF VAC BATES ST ADJ TO SD OTS, ALSO OF 'ASSESSOR'S PLAT NO 27' PART OF LOT 10 DESC AS BEG AT NW LOT COR, TH NELY 64.11 r ALG N LOT LINE, TH S 59-26-20 W TO W LOT LINE, TH NWLY TO BEG, ALSO ALL OF LOTS 11 TO 15 INCL, LSO LOT 16 EXC N 40 FT THEREOF, ALSO ALL OF LOT 19, ALSO EXC PART OF LOTS 3 & 4 OF SCHLAACK JB' & PART OF LOTS 10 & 11 OF 'ASSESSOR'S PLAT NO 27' IN PCL DESC AS BEG AT PT DIST S 63-11-50 W 5.85 FT FROM SE COR OF SD LOT 11, THIS 63-11-50 W 103.15 FT, THIS 59-26-20 W 99.61 FT, THIN 14-5-00 W 6.42 FT, TH N 59-26-20 E 217.53 FT, TH S 30-33-40 E 4.01 FT, TH S 63-11-50 W 16.19 FT, TH S 5-48-10 E 10 FT TO BEG 4-9-93 FR 049, 050 & 053 7-24-00 CORR

RESIDENTIA		School District  BIRMINGHAM CITY SCH		Neighborh	pod Code MEX	
rrent Assessed \$0		Capped Value \$0		State Equa		
		Split/Combina	ition Informat	ion		
<b>ded Status</b> Added P		Date Added 4/27/1993		Added Fron	Added From FR 049, 050 & 053	
		No sales	since 1994			
<b>kable Value</b> \$0		Effective Date for Taxes 12/1/2004		Homestead	Homestead %	
	2003 Taxes	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2004 Taxes	2004 Taxes	
mmer	Winter	Village	Summer	Winter		
	Description	,	Wid		7anth	

		100000000000000000000000000000000000000		
	Description	N. Committee of the Com	Width	Depth
ormation		LEVEL.		4.42
		· ·	Contract of the Contract of th	Remarks and the second

June 24, 2005



Ms. Mary Ferrario
City Zoning Administrator
CITY OF BIRMINGHAM
151 Martin Street
P.O. Box 3001
Birmingham, MI 48012

Ms. Jana L. Ecker City Planner CITY OF BIRMINGHAM 151 Martin Street P.O. Box 3001 Birmingham, MI 48012

Re.

Lot Combination (Parcel ID No. Correction)

325 North Old Woodward (The former Jacobson's Men's Store location)

Legal Description: See Attached Survey Current Owner: B/K/G Birmingham, LLC

Dear Ms. Ferrario and Ms. Ecker;

The property known has the former Jacobson's Men's Store site was purchased by B/K/G Birmingham, LLC in April 2003 and included:

All of:

Parcel ID No. 19-25-376-075 (hereinafter "-075")

And a portion, (an area approximately 10' X 16.19' in the northeast corner) of:

Parcel ID No. 19-25-376-079 (hereinafter "-079").

The 10' x 16.19' portion in -079 was specifically deeded to Jacobson's on April 28, 1998 (Liber 18541Page555, Copy attached).

We would like the legal descriptions maintained by the City and the County for -075 and -079 to be corrected to reflect that this 10' X 16.19' portion is now part of -075, and no longer part of -079.

Please contact me if you have any questions or concerns.

Sincerely,

B/K/G BIRMINGHAM, LLC

By: Burton-Katzman Development Company, Inc.

Its: Manager

Bren L. Buckley

Vice President, Development

W/ Attachments

### Exhibit A Legal Description

Commitment No.: 10039

PARCEL 1: Part of Lots 7, 8, 9 and 10, ASSESSOR'S PLAT NO. 27, according to the Plat thereof as recorded in Liber 6 of Plats, page 46, Oakland County Records, and a part of Lots 3 and 4, SCHLAACK SUBDIVISION, according to the Plat thereof as recorded in Liber 8 of Plats, page 8, Oakland County Records, described as: Beginning at a point distant North 30 degrees 33 minutes 55 seconds West (North 30 degrees 33 minutes 40 seconds West, as measured), 10.02 feet and South 63 degrees 06 minutes 50 seconds West, 120.0 feet (120.25 feet, as measured) from the Southeast corner of said Lot 7 of ASSESSOR'S PLAT NO. 27 to the point of beginning; proceeding thence South 63 degrees 06 minutes 50 seconds West, 92.02 feet; thence on a curve to the right having a radius of 200.0 feet, arc 54.38 feet, central angle of 15 degrees 34 minutes 42 seconds, chord bearing and distance of South 70 degrees 54 minutes 11 seconds West, 54.21 feet; thence North 14 degrees 06 minutes 00 seconds West, 159.48 feet; thence North 59 degrees 26 minutes 20 seconds East, 99.61 feet; thence South 30 degrees 33 minutes 55 seconds East, (South 30 degrees 36 minutes 45 seconds,

PARCEL 2: A parcel of land being a part of Lots 10 and 11, ASSESSOR'S PLAT NO. 27, according to the Plat thereof as recorded in Liber 6 of Plats, page 46, Oakland County Records, and a part of Lots 3 and 4 of SCHLAACK SUBDIVISION of Lots 40, 41 and 42 and part of Lot 53 of Willetts Additions, according to the Plat thereof as recorded in Liber 8 of Plats, page 8, Oakland County Records, said parcel of land being described as follows: Commencing at the Southeasterly corner of said Lot 11, said point also being on the Westerly line of Woodward Avenue (100 feet wide); thence South 63 degrees 11 minutes 50 seconds West, 16.85 feet along the Southerly line of said Lot 11 to the point of beginning of this description; thence continuing South 63 degrees 11 minutes 50 seconds West, 103.15 feet along said lot line to a point; thence South 59 degrees 26 minutes 20 seconds West, 99.61 feet to a point on the extension on the Westerly line of Lot 9 of said ASSESSOR'S PLAT NO. 27; thence North 14 degrees 06 minutes 00 seconds West, 6.42 feet along said extension of the Westerly line of Lot 9 to a point; thence North 59 degrees 26 minutes 20 seconds East, 217.53 feet to a point on the Easterly line of said Lot 11; thence South 30 degrees 33 minutes 40 seconds East, 4.01 feet along said Easterly line of said Lot 11 to a point; thence South 63 degrees 11 minutes 50 seconds West, 16.19 feet along a line 10.00 feet Northerly of and parallel to the Southerly line of said Lot 11 to a point; thence South 26 degrees 48 minutes 10 seconds East, 10.00 feet to the point of beginning.

Together with an easement for ingress and egress, as disclosed by Easement Agreement recorded in Liber

PARCEL 3: The Easterly 120 feet of Lots 7, 8 and 10 of ASSESSOR'S PLAT NO. 27, according to the Plat thereof as recorded in Liber 6 of Plats, page 46, Oakland County Records; and also part of Lot 11 of said ASSESSOR'S PLAT NO. 27, described as follows: Commencing at the Southeasterly corner of said Lot 11, said point also being on the Westerly line of Woodward Avenue (100 feet wide) and the point of beginning of this description; thence South 63 degrees 11 minutes 50 seconds West, 16.85 feet along the Southerly line of said Lot 11; the North 26 degrees 48 minutes 10 seconds West, 10.00 feet; thence North 63 degrees 11 minutes 50 seconds East, 16.19 feet to a point on the Easterly line of said Lot 11; thence South 30 degrees 33 minutes 40 seconds East, 10.00 feet, more or less, along the Easterly line of said Lot 11 to the point of

EXCEPTING THEREFROM THE ABOVE DESCRIBED PARCELS: That part deeded to the City of Birmingham for highway purposes, as contained in deed recorded in Liber 3527, page 58, described as follows: A strip of land being a portion of Lot 7, ASSESSOR'S PLAT NO. 27, according to the Plat thereof as recorded in Liber 6 of Plats, page 46, Oakland County Records, to be acquired for widening the Willits Street Right of Way, said strip of land lying South of the following described line: Beginning at a point in the Easterly line of said Lot 7, said point lying North 30 degrees 36 minutes 20 seconds West and 10.02 feet distant from the Southeast corner of said Lot 7; thence South 63 degrees 06 minutes 50 seconds West along a line parallel to the Southerly line of said Lot 7, distance of 120 feet to a point in said Lot 7, said point lying North 18 degrees 53 minutes 10 seconds West and 10.07 feet distant from the South boundary line of said Lot 7; Liber 3527, page 59, described as

# TITLE DEE

\$ 7.00 DEED

\$ 2.00 REHONUMENTATION

2 JUN 98 9:58 A.M. RECEIFTE 448 PAID RECORDED - CARLAND COUNTY LYNN D. ALLEN, CLERK/REGISTER OF DEEM

Covenant Deed

Know all persons by these presents: That Arthur Pollack, and Shirley Pollack, his wife, whose address is 34 Hampshire Lane, Boynton Beach, Florida 33436; The Blanche Pollack Family Limited Partnership, whose address is 30800 Telegraph Road, Suite 1704. Bingham Farms, Michigan 48025; and Leo Pollack and Madeline Pollack, his wife, whose address is 11296 Glen Oaks Court, North Palm Beach, Florida 33408, grant and convey to Jacobson Stores Realty Company, a Michigan corporation, whose address is 3333 Sargent Road, Jackson, Michigan 49201 a sixty (60%) percent undivided interest in the following described property, situated in the City of Birmingham,

The easterly 120 feet of Lots 7, 8, and 10 of Assessor's Plat No. 27, according to the plat thereof recorded in Liber 6 of Plats, Page 46, Oakland County Records;

AND ALSO part of Lot 11 of said Assessor's Plat No. 27, described as follows: Commencing at the southeasterly corner of said Lot 11, said point also being on the westerly line of Woodward Avenue (100 feet wide) and the point of beginning of this description; thence South 63° 11' 50" West 16.85 feet along the southerly line of said Lot 11; thence North 26° 48' 10" West 10.00 feet; thence North 63° 11' 50" East 16:19 feet to a point on the easterly line of said Lot 11; thence South 30° 33' 40" East 10.00 feet; thence North 63° 11' 50" East 10/19 feet to a point on the easierty line of said Lot 11 to the point of beginning; 19-25-376-079 14

TOGETHER WITH all easements and rights pertaining thereto.

for the consideration of One dollar, and other good and valuable consideration, the receipt of which is hereby acknowledged. Subject to the terms and conditions contained in instruments recorded at Liber 3557, page 11. Liber 3562 page 307, Liber 3622 page 220, Liber 3838 page 710, Liber 3622 page 196 and Liber 4845, page 79 and Liber 8715, Page 120 O.C.R. and further subject to the rights of Jacobson Stores, Inc., as tenant under a certain lease dated April 29, 1961, as amended; and further subject to any matters arising by or prough the

Grantors warrant only that Arthur Pollack is seized of an undivided 20% interest in the above described property; that the Blanche Pollack Family Limited Partnership is seized of an undivided 20% interest in the above described property; that Leo and Madeline Pollack are seized of an undivided 20% interest in the above described property; and that each of the grantors has the right to convey their undivided interest in the property. Grantors covenant that they have not heretofore done, committed or wittingly suffered to be done or committed any act, matter or thing whatsoever, whereby the premises hereby granted, or any part thereof, is, or shall or may be charged or encumbered in title, estate or otherwise whatsoever. Except for the foregoing, the grantors make no other warranty, express or implied.

Vitnesses:

ATE OF MICHIGAN UNTY OF OAKLAND the & gode day of a

ARTHUR POLLACK, SHIRLEY POLLACK, LEO POLLACK AND MADELINE POLLACK

Gary Pollack, Attomey-in-fact

BLANCHE POLLACK PARTNERSHIP, By LRM, Inc., general partner FAMILY LIMITED

The state of the s JUL 14 2005

OAKLAND COUNTY

07-14-05AJY:51 KCVD

PROPERTY DESCRIPTION RECORD CHANGE FORM

D. P. Desc.	Xerox & File	Mapping	Typing	Description Market 1 and 1 and 1
	the open of the post or plan of the state of the state of	Z	BOR	
	8-24-05	James Lander Story	7-20-0	

9					7	77 107 118				2000				0	$\bigcirc$	z 0 [3]	SWAR TOO
								3		- 1				<b>⊘</b>	0	3 3	3
								100		1			a t Parcelland and Mar and				95 <u>.</u> 57.
														<u> </u>	Ω		17
G	_					200				100	1	-		Q.	め	7 19	BIRMINGHAM
						C. C. C. C. C. C. C. C. C. C. C. C. C. C				- 1		_		U	N	Sovet	2
				_			_	- 3		- 1				Ō	S		
	·				_	-		-			- 3				Ĵ		2
			_			-							_	6	$\overline{\hat{\mathbf{C}}}$	N N N N N N N N N N N N N N N N N N N	70
Ö						_				- 1							本
No. 1 W						_	:										Ž
										-			lantin la	29	( J)		
	1													9853760790	9253760750	lzel	
***************************************				<u> </u>					-	_	-174 #		_			TRANSACI NUMBER	
	-		-			-			-				1541.	- 0	0	SACE TE	
	ļ	1		} }=:::::::::::::::::::::::::::::::::::										~		7	CVIL CODE
	-			_						_	_					ZZ	300
		ļ	7	1 2 1											65%	<del> </del>	m
_		-	and the same of th		ļ.		_		_	_		-	-	0	0		
5)		<u></u>	_	-	<u></u>										O		
20	1	Ton an		-	-	_								-		20	80
					1	L.		9			_			_			[W
	_		-		-	The state of the s	-		Forms )						-		
		_	-	-					_		. ,	-					:
-	-	_		_	<u></u>		-		-	di di		- Augusta				1	
<u>Q1</u>  \rightarrow	-	_	-	<u>-</u>		_				i i			_	Signature Signature	1	3	
	-	-		-	-	4	<u>.</u>	-						On.			
	1			1	ļ	5				1							
			ļ-		-	_	_		#		-	-	-		-	PROF	
	-		_	-	-	-		-		-		-	-			T B	,ene.
8		-		ļ	-	The second second	-	9			_		_	-	T. Carrier	<u>                                    </u>	(2) 
	of the second se	And the state of t	1				-	Townson of the Control of the Contro		} }		_		_	nganco	3836	
					-	-			_	27	1 2 2 1			- Company	-		7
	contraction and			-				The state of the s			i i—	-		- service - serv	-	THE DESCRIPTION INE	-12-05
en tarre	and a second			-	) ) ) )	-	2			of Control of Control			_	-	mant, every poor 2		2
L) Gi	The second secon				The state of the s			- Control of the cont	-	-			_			1 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0
****		Section 1		The state of the s	amendo provide and control of the co		in the second se								Section 1	S. pas. sancyri	
	and the same	prompt to the	Approx.	The free free free free free free free fr	control tendents		100							are consequently and the consequence of the consequ	A STATE OF THE PERSON OF THE P	To the same	PAGE
	are or a second	A PARTIE A P			Contraction of the Contraction o									-	Same		1977 1977
	on of the state of				Total Control of the	1	_					Parame S S S		in the state of th	-		
à	August 177	1		Andreas Control	Transfer of the Parket					E	Proces	)—- 	<u></u>	Entered.		40	
	-	<u></u>	Character and Ch	A comment	de la companya de la		_	-		-		-	-				~
1000000000			-	The state of the s	9 0		1	<u> </u>	A Distriction of the last of t	-	-	-	-		-	A Literature	
_	1	The state of the s		and the same of th	Section of the sectio			-		-	- A AND AND AND AND AND AND AND AND AND A		-		-	100	
and the second second	***	<u></u>		-	- Appendix of	-	-	<u> </u>	_	E		-	_	-			
S. Cr	4	-	-	-		-		_		-	5			in and a		AS	
Ú.	\$	÷	?	ì	4	)	i.	ž.	{		ì	Ē	3	ğ	É	4 €3	1

Bass

CVT NAME		MINGHAM		DATE	
HOMESTEA	D EXE	EMPT C	ODE	%	Bilder All Lance (et al. California) in graphy de companies (Pare et al. California) in california (California
08 192537.60	1.1.0	1 1 20 1			01 1 143
(DUPLICATE FIRST CARC	1		BIRMING	cs	
(DUPLICATE FIRST CARD	, 1,3,0	<del></del>	<u>r 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	-	
(DUPLICATE FIRST CARD)	1,4,0	S.I. MA2			
			AM ISS MI	48609	
1011 1 1 1051 1 1 1101		·	55	1601     1651     140 <sub>1</sub>	1 1 7 7 1 45
(DUPLICATE FIRST CARD)	1,5,00,	<sup>1</sup> T2N, R	10E, SEC 25		
	0,	<sup>2</sup> SCHLA	ACK SUB		
(DUPLICATE FIRST CARD)	1,5,00,	LOTS 1	TO 8 INCL	EXC	-
•		THAT F	ART OF LO	TS 3 & 4	5
(DUPLICATE FIRST CARD)	1,5,00,5	BEG AT	MOST ELY	COR OF LOT	- 3
	0,18	IHS 67	-34-20 W 50	).53 FT.	
(DUPLICATE FIRST CARD	1,5,00,7	TLINI TO	1-06-00 W 50	).32 FT,	
(DUMI ICATE FINANCE)	0,8	FINE	9-26-20 E TC	)	4
(DUPLICATE FIRST CARD)	1,5,00,9	TH SEL	OF LOT 4, Y ALG SD L	INIT	
(DUPLICATE FIRST CARD)	1,0	TO REG	, ALSO EXC		-
CONTROL CARD	1,5,0 1,1	S 24 FT	OF LOT 8, A	, ,	4
(DUPLICATE FIRST CARD)	1,2	THAT P	ART OF VAC	BATES ST	
	1,5,0 1,3	ADJ TO	SD LOTS, A	LSO	
(DUPLICATE FIRST CARD)	1,4	OF 'ASS	ESSOR'S P	LAT NO 27'	
	1,5,0 1,5	PARTO	F LOT 10		
(DUPLICATE FIRST CARD)	1,5,0,1,7	DESC A			•
1 1 105 1 1 1 101 1	1,5,0 1,7	BEG AT	NW LOT CC	PR,	-
	1 8	1 Isol 1 1 1	1551 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	65	1 175

CVT NAME BIRMINGHAM DATE \_\_\_\_

[01] [ 105] [ 1 10]		1 1201 1 1 1251 1 1 1301 1 1 1351 1 1 1401 1 1 14
08 19253760	1,5,0	
		ALG N LOT LINE,
(DUPLICATE FIRST CARD)	1,5,0	TH S 59-26-20 W TO
	29	W LOT LINE,
(DUPLICATE FIRST CARD)	1,5,0	TH NWLY
		TO BEG, ALSO
(DUPLICATE FIRST CARD)	150	ALL OF LOTS 11 TO 15 INCL.
	1,5,0	ALSO LOT 16 EXC
(DUPLICATE FIRST CARD)		N 40 FT THEREOF, ALSO
(22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11,5,0	ALL OF LOT 19. ALSO FXC
(DUDUGATE FIRST ALLE	7.8	PART OF LOTS 3 & 4 OF
(DUPLICATE FIRST CARD)	1,5,0	'SCHLAACK SUB' &
	9.0	PART OF LOTS 10 & 11 OF
(DUPLICATE FIRST CARD)	1,5,0	'ASSESSOR'S PLAT NO 27'
	36	IN PCL DESC AS
(DUPLICATE FIRST CARD)	1,5,0,33	BEG AT PT DIST
		S 63-11-50 W 16.85 FT
(DUPLICATE FIRST CARD)	1,5,03,5	FROM SE COR OF SD LOT 11,
	36	TH S 63-11-50 W 103.15 FT,
(DUPLICATE FIRST CARD)	1,5,03,7	TH S 59-26-20 W 99.61 FT,
	38	TH N 14-06-00 W 6.42 FT,
(DUPLICATE FIRST CARD)	1,5,0,3,9	TH N 59-26-20 E 217.53 FT,
	40	TH S 30-33-40 E 4.01 FT,
(DUPLICATE FIRST CARD)	1,5,0	TH S 63-11-50 W 16.19 FT,
	42	TH S 26-48-10 E 10 FT
(DUPLICATE FIRST CARD)	1,5,043	TO BEG, ALSO EXC
11 1 105 1 1 1 101 1	15	
DRM NO. D.P. 464 581-B	146	1

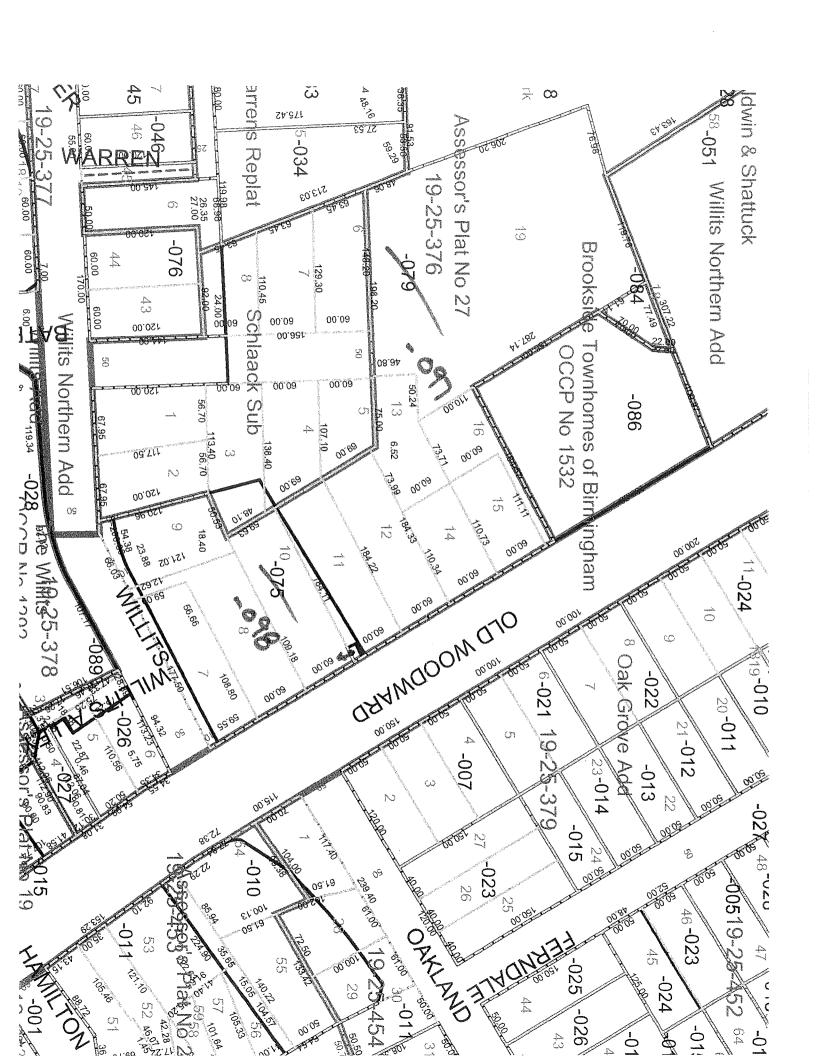
1011   1 2051   1 1 1101   1	1 1151 1	<u>. 1 120 1 1 1 125 1 1 1 130 1 1 1 135 1 1 1 140 1 1 1 145 </u>
081925376097	1.5,04,5	PART OF LOT 11 OF
	1 . :	'ASSESSOR'S PLAT NO 27'
(DUPLICATE FIRST CARD)	1,5,04,7	DESC AS
	4.8	BEG AT SE LOT COR,
(DUPLICATE FIRST CARD)	1,5,04,9	TH S 63-11-50 W 16.85 FT,
January and the second	50	TH N 26-48-10 W 10 FT,
(DUPLICATE FIRST CARD)	1,5,0 <b>5,1</b>	TH N 63-11-50 E 16.19 FT,
	52	TH S 30-33-40 E 10 FT
(DUPLICATE FIRST CARD)	1,5,053	TO BEG
	54	7/19/05 FR 079
(DUPLICATE FIRST CARD)	1,5,055	
	56	
(DUPLICATE FIRST CARD)	1,5,0 <b>5,7</b>	
	58	
(DUPLICATE FIRST CARD)	1,5,05,9	
	60	
(DUPLICATE FIRST CARD)	1,5,061	
	62	
(DUPLICATE FIRST CARD)	1,5,063	
	64	
(DUPLICATE FIRST CARD)	1,5,06,5	
	66	
(DUPLICATE FIRST CARD)	1,5,06,7	
	68	
(OUPLICATE FIRST CARD)	1,5,06,9	
191 1 1 195 1 1 1 1 1 1 1 1	15 7,0	
FORM NO DIP 484   561-B	146	1 1501 1 1 1551 1 1 1001 1 1 1551 1 1 701 1 1 1751

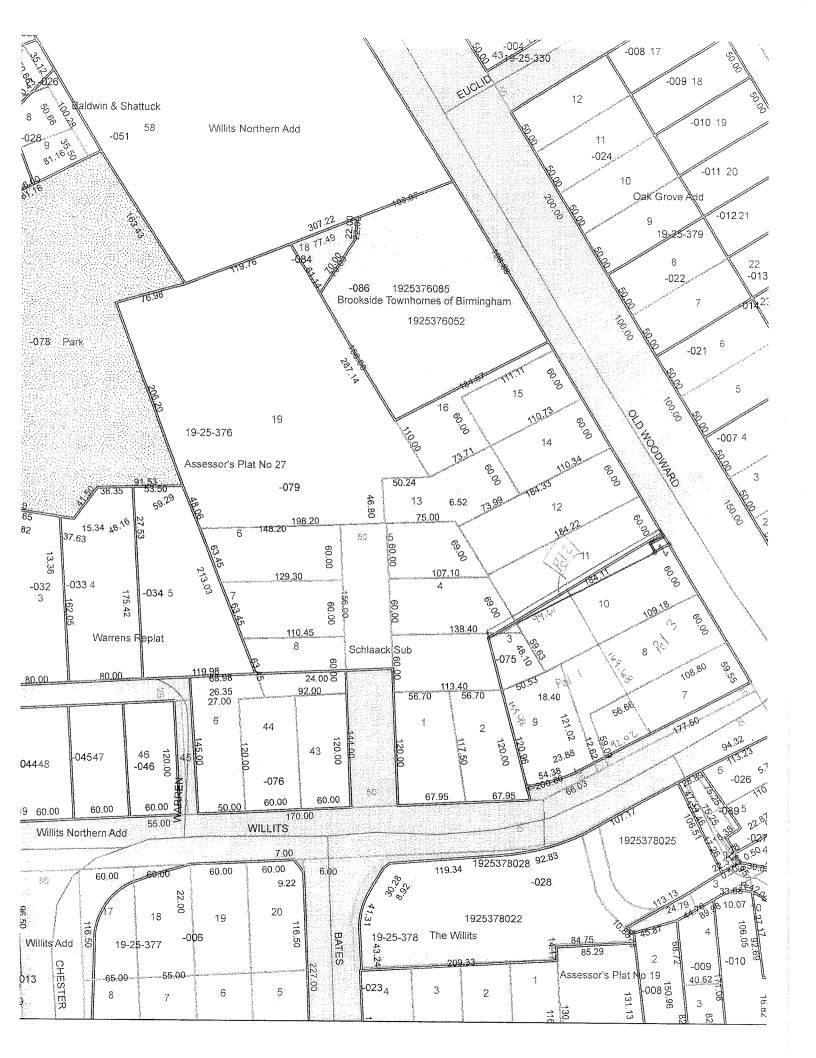
CVT	NAME_	Bill	MME	HAM			DATE_	7-12	-05
HOM	ESTEAD	EX	EM	PT (	CODE			1/4	
011 1	105      110	L   115	11	[ [20] ]		30	1 1 1351	1 1 1401	1 143
0.811.9	253,7,60,9	ł			CBD		white the state of		
(DUPLI	CATE FIRST CARD)	1,2,0	B/K/	6 B	RMINE	SHAH.	LLC		
		-		<u> </u>					
(DUPL)	CATE FIRST CARD)	1,3,0		, among	Tanada mana (1990) o talk yene yanar sadan ata ke yene yangi kanasa ata da		· · · · · · · · · · · · · · · · · · ·	<del>- L- /del>	
		Here the second and t		<del></del>	handre Land				
(DUPLIC	CATE FIRST CARD)	1,4,0	3,0,1	0.0.7	[e/eg,r	a, p, h, J	Rd. ist.	9.366	2
			BIN	6.H.A.N	1 FARA	(S. MI	4802	5	
011 1 1	05         10	1   15			)			33, 1 1 1	71
(DUPLIC	CATE FIRST CARD)	1,5,0	0.1			and the second s	<del></del>		1 1 145
	The state of the s		0,2	2N, R	(10E, SI	EC 25			<i>a</i>
(DUPLIC	CATE FIRST CARD)	1 5 0	A	SSES	10E, SI	PLAT	NO 27		۵
	· · · · · · · · · · · · · · · · · · ·	111210	013 L	OTS	7 & 8 &	9, EXC	,		
/		T	<u> </u>	HAT	PART T	AKEN	FOR		
(BUPLIC	CATE FIRST CARD)				SST, A				
	Plant of the state		0,6 E	120	ET OF L	OT 10	, ALSO		
(DUPLIC	ATE FIRST CARD	1,5,0	0,7 P	ART	OF SD	LOT 10	&		-
			0 <sub>18</sub> P	ART	OF LOT	S 3 & 4	4 OF		
(DUPLIC	ATE FIRST CARD)	1,5,0	2ا و, ٥	SCHLA	ACK S	UB'			
			1,0 A	LL DE	SC AS	ĭ			
(DUPLIC	ATE FIRST CARD)	1,5,0	R	EG A	T PT DI	ST			
	The state of the s		S <sub>1,2</sub> S	63-11	1-50 W	120 FT			
(DUPLIC	ATE FIRST CARD)		TIF	ROM	NE CO	R OF S	D LOT	10,	
		1,5,0	<del>'   3</del>   T	H S 3	0-33-40	E 59.9	4 FT,		
/DUBL 10			<u>''</u> ⁴+T	H S 6	3-30-00	W 64.0	D1 FT.		
(DUPLICA	ATE FIRST CARD)	1,5,0			7-34-20				
		<del> </del>			4-06-00				
(DUPLICA	ATE FIRST CARD)	1,5,0	1,		9-26-20				
		}	8	1501 1 1				<u> </u>	
		.~	, ,	1901	1 1551	1 1601	65	70	75

# SIDWELL LAND FILE SYSTEM NEW PARCEL DATA SOURCE DOCUMENT CVT NAME BIRMINGHAM DATE

01   105   1 110	1   115  1	1 1201 1 1 1251 1 1 1301 1 1 1351 1 1 1401 1 1 14
08 1925 37609	8 1,5,0 19	TO BEG, ALSO
	20	PART OF LOTS 3 & 4 OF
(DUPLICATE FIRST CARD)	1,5,0	'SCHLAACK SUB' &
	22	PART OF LOTS 10 & 11 OF
(DUPLICATE FIRST CARD)	1,5,023	'ASSESSOR'S PLAT NO 27'
	2,4	IN PCL DESC AS
(DUPLICATE FIRST CARD)		BEG AT PT DIST
	1,5,025	10 00-11-00 W 10.00 F1
(DUPLICATE FIRST CARD)	150	FROM SE COR OF SD LOT 11,
	1,3,0	TH S 63-11-50 W 103.15 FT
(DUPLICATE FIRST CARD)	28	111000-20-20 W 99 01 F1
(DOLLIOATE TIME)	11,5,0 2,1	TH N 14-06-00 W 6.42 FT,
(DUBLICATE FIRST CARRY	0.0	TH N 59-26-20 E 217.53 FT
(DUPLICATE FIRST CARD)	1,5,0	10 L 4.0111,
/DUDUGATE FIRST ALLEY	32	TH S 63-11-50 W 16.19 FT,
(DUPLICATE FIRST CARD)	1,5,0,3,3	TH S 26-48-10 E 10 FT
	34	TO BEG, ALSO
(DUPLICATE FIRST CARD)	1,5,035	PART OF LOT 11 OF
		'ASSESSOR'S PLAT NO 27'
(DUPLICATE FIRST CARD)		DESC AS
	38	BEG AT SE LOT COR,
(DUPLICATE FIRST CARD)	1,5,0,3,9	TH S 63-11-50 W 16.85 FT, TH N 26-48-10 W 10 FT,
	40	TH N 63-11-50 E 16.19 FT,
(DUPLICATE FIRST CARD)	1,5,04,	TH S 30-33-40 E 10 FT
	42	TO BEG
(DUPLICATE FIRST CARD)	15043	7-19-05 FR 075 & 079
	75	
FORM NO. D.P. 464   \$81-B	'46' '	750 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CVT NAME_	Bu	2MM6HA	M.	DATE_	7-12-05
HOMESTEAD	EX	EMPT	CODE_	0	%
0.8 1.9.253.7.60.9.8	1 1 (		1 1 1251 1 1	30         35	] [40] [43]
(DUPLICATE FIRST CARD)	1,2,0		BIRMINGH	1411 1 1 4	
	1-1-1-	19710	BII. NUIT	MM, LLC.	
(DUPLICATE FIRST CARD)	1,3,0	30,5 N	0,CD NO0	DUALD.	
	<u> Anti-marin maring grand</u>		JAHAM MI		
(DUPLICATE FIRST CARD)	1,4,0	3,0,1,0,0	Telegra	ph. Rd. St.	4,3,6,4,
		BANGH	4M FARMS	M7 48P2	
01   105   1   101	1 115	1 1 1201	]	[30] [ ] [35]	1 1 1401 1 1 1 145
(DUPLICATE FIRST CARD)	1,5,0	0,1	<u> </u>		
		0,2	<u> </u>		
(DUPLICATE FIRST CARD)	1,5,0	0,3			<u> </u>
		0,4	<del></del>		1 1 1 1 1 1
(DUPLICATE FIRST CARD)	1,5,0	0,5	<del></del>		
		0 6	<del></del>		
(DUPLICATE FIRST CARD	1,5,0	0,7			
		0,8	<del>!</del>		
(DUPLICATE FIRST CARD)	1,5,0	0,9			
<u> </u>		1,0			
(DUPLICATE FIRST CARD)	5,0	1,1			
		1,2		<del></del>	
(DUPLICATE FIRST CARD) 1	1510	1,3		<del></del>	
		1,4			<u> </u>
(DUPLICATE FIRST CARD) 1	1510	1,5		<u> </u>	.1.1.1.1.1
		1,6		<u> </u>	
(DUPLICATE FIRST CARD) 1	5 0	1,7			
	].	1,8	1 155 1 1 1		



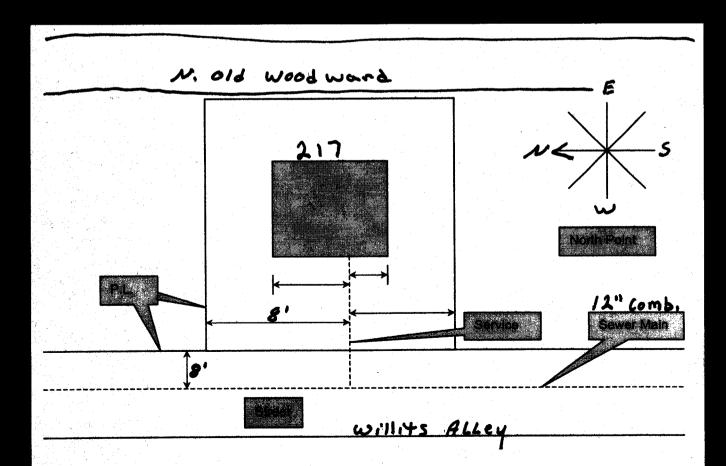


207-217 Address 2/7-233 MATERIAL Lead Çopper Iron. Service Size/2 Meter Size /" ₩ B.W. Remote Curb Box Location RB70 X House line touse Remarks ~~

addresses are as follows per gef 215, 207, (209211400000)-217 207 is Bldg behind + across alley installed new such & 2'copper pija to take water from addresses on & Woodward .

#### **SEWER LOCATION CARD**

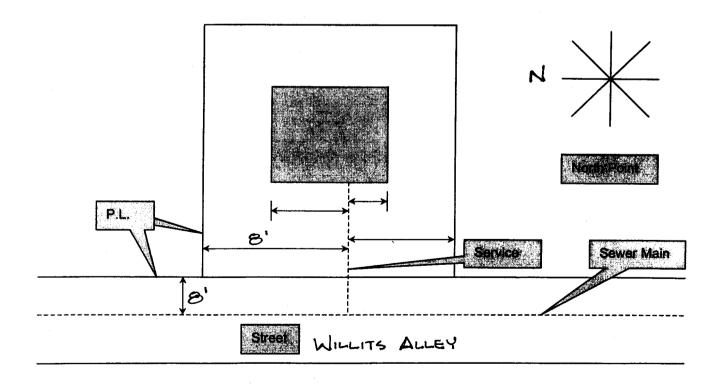
Address 217 N.	OLD	WOO	DWA	RD	
Type of Service San □	Sto	rm 🗆			41.1%
Location 8' S of N	R i	will	its A	71124	
				P.L. to Bldg.	" VCP
Size of Main/2" P VC	Тур	e of Main.	San 🗆	Storm 🗅	Comb 🔀
Depth of Main _ * 10'					
Depth of Service at P.L.	•	* :			
Remarks Eng Project 6-	21-06	Insp	B, w	ines	
· · · · · · · · · · · · · · · · · · ·					
		<del></del>			
	/2- Date	22-14	<u>S</u> Signa	<u>Shillin</u> ature	3



#### **SEWER INSPECTION FORM**

Date 6/21/2006

Permit Number	
Address	217 N. OLD WOODWARD
Type & Location of Sewer Service	CLAY B'SOFNPL IN WILLITS ALLEY
Size of Service (Main to P.L.)	6"
Size of Service (P.L. to Building)	6"
Size & Type of Main	12" PVC
Depth of Main to Top of Pipe	
Depth at P.L. to Top of Pipe	11.5'
Size of Trench &	
Damage to Sidewalk	
Materials Used	FERNCO 6"-6" CLAY-PVC
	4' PUC LEAD
,	
Installers	TROELSEN EXCAVATING
Inspector	WILLIAM M. WINES
Number of Hours Worked	Normal
after First Day	1.5X
	2X



#### **BUILDING INSPECTION DEPARTMENT**

CITY OF BIRMINGHAM

No. 105-54

APPLICATION FOR CONSTRUCT Birmingham, Mich., Type of Building Character of Occupancy Class. Institutional, Residential, Business, etc. **Building Located** Between Lot Concrete Block Manufacturer Heat. Applican Basement Walls. Foundation... Wall footings Pier Footings Roofing Material. Sewer\_ Building\_ Estimated Cost of Building \$. By Owner Attached Garage Separate Type and Description None .cu. ft. Es't Cost \$. Size. By Dept. Wide The work covered by this permit to be in conformity with all the city ordinances and standards. The "City Building Inspection Department" to be notified for inspection, first upon completion of basement walls, second upon completion of framing and before lathing, third final inspection before occupancy. Deed or land contract must be presented before a building permit will be issued. Approved: Builder's License No.

NOTE; - Lot plot showing ALL buildings and other details must be shown.

House No. 2111 Willits 199-54 199 Receipt

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

Nº 37833

#### Building Inspection Department City of Birmingham

#### BUILDING PERMIT

	Birmingham, Mich.,	
The Building Inspection Department hereby grants permission t	to The Cuyahoga Wrecl	king Co.
12645 Greenfield, Det. 27	WITECK AND .	residence
Address		Siore, Residence, etc. Class. 1 1 am.
This building to bexx, and shall		Class
Basement walls and foundation Roof	Stories V/4/1.71.71	Gerage
2 Schlaack Sub.	C/T	/. [/. [
Lot No.  This permit is granted on the express condition that the said wo	PER TEACH TREACH	
This permit is granted on the express condition that the said wo Birmingham, Mich., and may be revoked at any time upon the vic Certificate of occupancy to be obtained previous to building being	olation of any of the provisions of as	id ordinances or standards.
Cubic Feet 3,000-50,000 Estimated Cost \$	Permit Fee	5.00
This acts as a valid receipt when receipted by City Treasurer.		
Wabeek Corporation		
REMARKS: Work does not include filling work to be done by crane.	old basement or ografa	eng of lot -
work to be done by crane.	ת בייייל ב 100 Cl. בייי	
	Permit 198-54 for de T. C. Br	ien
Owner or Agent's Signature	Building	Inspector

1/1954

Receipt

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

Nº 37739

#### Building Inspection Department City of Birmingham

House No.

### BUILDING PERMIT

·	Birmingham, Mich., .	4-5-54	, 19
The Building Inspection Department Chereful Burns Nga Asission to 2745 Williams Lake Rd Loctine to	Dale McClel	land Name Barage Store Reside	ence, etc.
This building to be	Stories		misc.
CITY/TREASURER Schlan  Lot No. AMT. REC'D  This permit is granted on the express condition that the said work shall	Subdivision		
Birmingham, Mich., and may be revoked at any time upon-the violation Certificate of occupancy to be obtained prévious to building being occupi Cubic Feet	of any of the provision led.	s of said ordinances	or standards.
This acts as a valid receipt when receipted by City Treasurer.			
Ralph Bell Owner's Name REMARKS: move garage from Willits to 592	.592 Chester Chester	lumer's Address	
NEWIANAS	· • • • • • • • • • • • • • • • • • • •	***************	
	т. с.	Brien/bkk	
Owner or Agent's Signature	Bı	uilding Inspector	

House No.

Form B-3-500-7-29

Street

Permit No.

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

#### BUILDING INSPECTION DEPARTMENT

## BUILDING PERMIT

	Birmingham, Mich., 0/.60/.00 19	
The building Inspection Department hereby grants permiss	sion to Wm. G. Olsen,	
	to Erect a one story 2 car gara	g€
7. (1 C) 71 . 177	House No. 244 Between Bates	
and Woodward This building to be I	8 x 20 x 10 , and shall be of type Frame	
class Private garage, Basement walls and foun	idation	
	Schaacks Sub.	
This permit is granted on the express condition that the Village of Birmingham, Mich., and may be revoked at any nances or standards.	Subdivision said work shall conform to the ordinances and standards of the time upon the violation of any of the provisions of said ordi-	
Cu. Ft. 3600	Est. Cost \$ 300.00 Permit Fee \$ 1.00	
Owner Wm G. Olsen	, Birmingham, Mich	
REMARKS:		
	BUILDING INSPECTION DEPARTMENT	
	- M.C. Care	

#### **INSPECTION RECORD**

Date	Notes-Progress-Criticisms and Remarks	Inspector
128/30 /		10-1:1.
111100	K FINAL	De Se
	<u> </u>	
	·	
	· · · · · · · · · · · · · · · · · · ·	
		· · _

City of Birmingham Michigan

#### Water Service Permit No. 88 Date 6-1-51 Rec. Nº 26099

Location 244 Willits	between and
Lot No.	Subd.
Owner or Builder Wabsek Corp.	71R400 Water Shut Off \$ 25.00
	71R443 Service Connection Charge \$
AddressPremises used for	71R122 Water for Construction . \$
Type of Street	11R1321 Inspection
Surface	11L-1071 Construction of Service . \$
Size of Tap	
Sewer Service No. if in same trench	If partial payment, note amount paid here \$
New Service Replacement Inspection only	Balance to be paid @ \$ per
<u>-</u>	and agree to comply with all the rules and regulations of the
Fee for Water for Construction entitles property to water for 3 months.	Cuyahoga Wrecking Co.
Approved, 19	bkk
	Deputy City Clerk
15C-12-51-BPC NOT VALID UNTIL STAMPED	PAID BY CITY TREASURER

City of Birmingham Michigan

## Water Service Permit No. 44 Date 4-1-54 Rec. Nº 26055

Location 247-251 H. Bates	between Willits and
Lot No.	Subd
Owner or Builder Chissus Const.	71R400 Water Shut Off \$ 25.00
Address 870 Bowers	
Premises used for	71R122 Water for Construction . \$
Type of Street APR1 1954	11R132I Inspection \$
Size of CITY/TREASUREF	
Sewer Service No.	Total \$ 25.00  If partial payment, note amount paid, here \$
New Service Replacement Inspection	only Balance to be paid @ \$ per
I hereby apply for the above described Water Serv Water and Sewage Disposal Dept. and the provisions o	vice and agree to comply with all the mules and an inch agree
Fee for Water for Construction entitles property to	Chissus Const.
vater for 3 months.  Approved, 19	Owner - Agent <b>DRR</b>
-pp	Deputy City Clerk

		Depth of Water Main
Lot No.		Size of Water Main
	1	Dept. of Service at P. L.
		Size of Service
		Type of Matl. of Service
House No.	•	Curb stop °
247 251	North Point	Corporation cock +
		Remarks: This service shutoff at main.
80 m	· 	shitoff at main.
	P. L.	
	Water Main	
,		
	Street	4-11 54 Cat
	P. L.	4-16,1954 Ca +,

#### **BUILDING INSPECTION DEPARTMENT**

CITY OF BIRMINGHAM

No. 198-54

## APPLICATION FOR PERMIT

CONSTRUCT	Birmingham, Mich. 5-13 19.54
ALTER	Birmingham, Mich., 975, 1914
To: MOVE	
WRECK	4
$\mathcal{L}$	/
Type of Building	e Veneer
0 , , , , , , , ,	Fireproof, Protected, Mill, Frame, Brick Veneer, etc.
Class Kesidential (Multiple	
Public, Institutional, Residential, Business, etc.	Store, Apartment, Residence, (2-family) etc.
Building Located	
North, E. W. or S.	Street House No.
Between	and ledd End
Street	Street
Lot	
No.	Subdivision
HeatCo	ncrete Block Manufacturer
<del></del> /	12645 Greenfield
Applicant SHE CUYAHOGA	WRECKINGGO- Detroit 27 Mic
Name	Address R
Owner /HE WABEEK COR	PN-WABEER BLOG-BIRMINGHAM
Name	Address
Remarks: Work does no!	Include filling old basement
or grading of lot	- Work to be done by Crane -
200 - deposit in esca	ow - Receipt #
/	•
Foundation	Pier Footings Basement Walls Thickness and Material
Wall footings	rier rootings . Inickness and material
Sewer Water	Roofing Material
Size Tap Size Ta	
Buildingxft	stories; OVEY 30,000 cu. ft.
	1000
Estimated Cost of Building \$	\$ \$ Permit Fee \$
Attached	by separatelli
Garage Separate	The seal Description
None	Type and Description
Sizex;;	cu. ft. Es't Cost \$\$ \$
Wide Long High	• • •
The work covered by this permit to be	in conformity with all the city ordinances and standards. The "City difference of basement walls, second
upon completion of framing and before lathi	ing, third final inspection before occupancy. Deed or land contract
must be presented before a building permit	
-1 - 1	
Approved: _5//7/59	hu Xa K ~
Date	- y: / ay serke
- ICR	Signature of Owner or Agent
- O CImu	Builder's License No
City Building Inspector	Dutter's Literise IVO

NOTE; — Lot plot showing ALL buildings and other details must be shown.



BOSTON, MASSACHUSETTS

#### CERTIFICATE **INSURANCE** OF

This is to Certify that

The Cuyahoga Wrecking Co. 2791 Baton Road, Cleveland 22, Ohio

Name and address of insured.

is, at the date of this certificate, insured by the Company with respect to the business operations hereinafter described, for the types of insurance and in accordance with the provisions of the current policy contracts in use by said Company, hereinafter described.

POLICY NUMBER	EXPIRATION DATE		TYPE OF POLICY			OCATIONS TO WHICH CERTIFICATE APPLIES			
IB-8-818090-54- Mich.	1-1-55	Comprehensive General Liability			4 family dwelling at 248 W.Bates & 1 family dwelling at 244 Willitto Birmingham, Michigan				
				LI	MITS	OF LIABI	LITY		
GENERAL LIABILITY HAZARDS INSURED			COVERAGE A BODILY INJURY		COVERAGE B PROPERTY DAMAGE				
			EACH PERSON	EACH ACCU	DENT		EACH ACCIDENT	POLICY AGGREGATE	
All hazards except Products Liability			100,000.	300,000.			100,000.	100,000.	
WORKMEN'S COM		F	LIMIT OF E		JCY	OCCUPATION	MITS OF LIABIL AL DISEASE UNDE E (D) OF THE PO	R PARAGRAPH	
THE POLICY IS THE STATUTORY LIMIT OF THE WORKMEN'S COMPENSATION LAW APPLICABLE WITH RESPECTS TO THE LOCATION DESIGNATED ABOVE.		E	ALL CLAIMS ARISING FROM EACH ACCIDENT		IDENT	EACH PERS	ION	AGGREGATE	

Description of Operations:

All operations performed by the assured.

#### **Special Provisions:**

Before the above stated expiration date the Company will not terminate or reduce the insurance afforded under the above numbered policies prior to days after notice of such termination or reduction has been mailed to

TY MUTUAL INSURANCE COMPANY

Dated

Detroit. Michigan

GPO 66A Ed. 9

STATE OF MICHIGAN

#### WORKMEN'S COMPENSATION COMMISSION

LANSING 18, MICHIGAN

THEODORE P. RYAN, CHAIRMAN JAMES L. HILL, VINCENT F. MCAULIFFE JOE M. MOORE COMMISSIONERS



WILLIAM PHILLIPS

April 23, 1953

Cuyahoga Wrecking Company 12645 Greenfield Road Detroit. Michigan

Gentlemen:

This is to certify that the above named employer is subject to the provisions of Act No. 10. Public Acts of 1912, First Extra Session commonly known as the Michigan Workmen's Compensation Act, as a self insurer with the approval of the Commission and that approval is in full force and effect on the date hereof.

WORKMEN'S COMPENSATION COMMISSION

signed William Phillips
SECRETARY

Dated at Lansing, Michigan this 23rd day of April 1953

SEAL

DPW City of Birmingham Michigan

## Water Service Permit No. 45...Date 4-1-54 Rec. Nº 26056

Location 263 4. Sates	between W1111ts and
Lot No.	Subd
Owner or Builder Chiesus Const.	71R400 Water Shut Off \$ 25.00
Address 670 Sources	71R443 Service Connection Charge \$
Premises used for	71R443 Service Connection Charge \$
Type of Street APR 1954	11R1321 Inspection \$
Tan AMT. RECE	11L-1071 Construction of Service . \$
Sewer Service No. if in same trench	Total \$
New Service Replacement Inspection	only Balance to be paid @ \$ per
	rvice and agree to comply with all the rules and regulations of the
Fee for Water for Construction entitles property to water for 3 months.	Chiems Const.
Approved, 19	Deputy City Clerk
15C-12-51-BPC NOT VALID UNTIL STAM	MPED PAID BY CITY TREASURER

	,		Depth of Water Main
	Lot No.		Size of Water Main
		•	Dept. of Service at P. L.
			Size of Service
			Type of Matl. of Service
	House No.	•	Curb stop °
	263	North Point	Corporation cock +
			Remarks: This Service
¢	Sgrvice	P. L.	Remarks: This serving  shut of a disconnected  at the main.
			= 20/ 144 /////
<u> </u>		Water Main	
		Street:	
			4-5,1954 Ca7, Date Signed
		P. L.	Date Signed

D. P. W. City of Birmingham Water Service Permit No. 243 Pate 19-16-53c. Nº 25981 Michigan distribution of the second of the s Location 266 Bates between willite and dead end Lot No. Subd. Subd. Bros. Owner or ' 71R443 Service Connection Charge \$ ..... used for Inspection . . . . . \$...... Type of Street Surface OGT-1-611950/1 56h vuction of Service . \$......25.00. Size of Tap..... CITY TREASURED . Total . . . \$...... AMT. RECO. If partial payment, Sewer Service No. if in same trench note amount paid here . . . \$ 

I hereby apply for the above described Water Service and agree to comply with all the rules and regulations of the Water and Sewage Disposal Dept. and the provisions of the City Ordinance No. 286 as amended.

Fee for Water for Construction entitles property to water for 3 months.

Approved , 19 Deputy City Clerk

15C-12-51-BPC

	,	Depth of Water Main
Lot No.		Size of Water Main
:	•	Dept. of Service at P. L.
	$\searrow$	Size of Service
		Type of Matl. of Service
House No.	•	Curb stop °
244	North Point	Corporation cock +
		Remarks: Sout of and discon ented at main.
Sgrice		discon ested at main.
	P. L.	
	Water Main	
	•	
	Street	10-21,1953 Ca7,
	Р. т.	Date Signed

N.

Ciewe M. Frimingham	$N_{\bullet}$	47656
Michigan Sewer Service Permit No. 194 Date 8-17-46 Rec.		
Location 275 R. Butes between and		ř
Lot No. 6 Subd. Schlanck Sub. Premises used for Premises used for Rep.	•	
Owner or Builder Mr. Camboll OF G. Address	7	
Type of Street Surface 11R1321 Inspection	*******	. 3 00
Size of Service from Property Line to Bldg.  Weter Service M. Construction of	- Ca:	\$ 3.00
Water Service No.		\$ 3.00
Location of Wye.	-	<b>р<u>Эчүү</u></b>
New Service Replacement Inspection only Storm Sewer service replacement permits are issued based on Owner's daim that street part of service is within City's responsibility. If the City finds this part of the service unobstructed and in good cowill be made and entire cost of work will be deducted from fee paid before refund is made.  I hereby apply for the above described Sewer Service and agree to comply with all of the rule ances of the City of Birmingham with respect to the use of this Service.	obstruct	ed from causes
Approved 8-19 19-76 Gordon C. Johnston, sent Irono C. Hanzey 8	r.	
NOT VALID UNTIL STAMPED PAID BY CITY TREASUR	: E <b>R</b>	***************************************

D. P. W.

	Lot No.		Depth of Sewer Main  Size of Sewer Main  Depth of Service at P. L.
	House No. 275	North Point	Type of Matl. of Inside Service Service Type of Matl. of Outside Service Remarks:
` 1	Service	P. L.	
8 J		Sewer Main Street P. L.	8-19 -19 Heldel
		A 8 444	Date & Signed

275 M. Bates ST of light Hole of Days. 6" CII, PIOE TO N. LOT LINE 4" CROCK TO. SOITIO TONIS 7-22-16 - CHECKED. NOW. SOWER SHOULD Laxio FROIN 6" C-1. P. TO. BLBG, AND BY POSS THE SEPTIC TONK, OLD. F. DRGIN LINO 15. 4" OPEN TILE Philoled OKAY 12-20-40 City of Birmingham Michigan

## Water Service Permit No. 43 Date4-1-54 Rec. Nº 26054

Location 275 N. Bates	between <b>W1111ta</b> and
Lot No.	Subd.
Owner or Builder Chissus Const.	71R400 Water Shut Off \$
Address 870 Bounnaully OF Brown	· · · · ·
Address 870 Bouers HY OF BISH NORMAN	
Type of Street Surface	11R1321 Inspection
1954	11L-1071 Construction of Service . \$
Size of Tap	Total \$ 25.00
if in same trench	If partial payment, note amount paid here \$
New Service Replacement Inspection	n only Balance to be paid @ \$ per
	ervice and agree to comply with all the rules and regulations of the
Fee for Water for Construction entitles property to	· Chissus Const.
water for 3 months.	Owner - Agent
Approved , 19	Deputy City Clerk
15C-12-51-BPC NOT VALID UNTIL STA	MPED PAID BY CITY TREASURER

		Depth of Water Main
Lot No.		Size of Water Main
		Dept. of Service at P. L.
,		Size of Service
		Type of Matl. of Service
House No.	1	Curb stop °
275	North Point	Corporation cock +
		Remarks: This service
Single	·	shut off r disconnect of
	P. L.	- at the in ain.
	Water Main	
· · · · · · · · · · · · · · · · · · ·	Street	U E 5U 061
	P. L.	4-5,1954 Ca 4,
i		

.

February 2, 1950

Elizabeth Walmoth F. 0. 213 Birmingham, Michigan

Dear Madam:

Am inspection has been made of the building located at 276 Worth Bates by the health inspector and building inspector.

This building is condenned for company in its present condition and you are hereby prohibited from allowing occupancy of this building until a Certificate of Occupancy is obtained from the building inspector.

The above action is taken under the authority granted the building inspector by Ordinance #184, Section 1.202 (d) and by the authority spanted the plumbing inspector under Ordinance #350 and Article XIII of the State Plumbing Code.

Since rely yours,

Barkley G. Omans Building Department

BGO/ef

Mr. Gare

Mr. Johns

Mr. VanFleteran

February 2, 1950

Blisabeth Walmoth P. D. 213 Dirmingham, Michigan

Dear Madami

As inspection has been made of the building located at 276 North Betes by the health inspector and building inspector.

This building is condemned for occupancy in its present condition and you are hereby prohibited from allowing occupancy of this building until a Certificate of Occupancy is obtained from the building inspector.

The above action is taken under the authority granted the building inspector by Ordinance #184, Section 1.202 (d) and by the authority granted the plumbing inspector under Ordinance #359 and Article XIII of the State Plumbing Code.

Since rely yours,

BE

Barkley G. Omana Building Department

BGO/ef

cot Mr. Gare

Mr. Johns

Mr. VenFleteran

September 18, 1951

Elizabeth Walmoth P. O. 213 Birmingham, Michigan

Dear Medama

The building located at 276 North Bates and owned by you has come to the attention of this department. An inspection of this building was made by the Health Inspector and Building Inspector and somewhat the same, if not worse, conditions were found as existed February 2, 1950 when said building was condemned for occupancy.

This department is reluctant to request the removal of this building by condemnation, but we are of the opinion that something should be done to correct the present conditions.

This building is an invitational hazard to children and from all indications children have been using this building for a gathering place, thus creating a fire hazard and under Section 1010 of the Birmingham Fire Prevention Ordinance you can be compelled to board this building to prevent entrance.

Complaints have been made to the Health Department indicating this building as a haven for rate or redents which is definitely a health menace.

In the present condition of the building it cannot be used for occupancy so therefore is not a source of income, although due to a small assessed value placed on the building you are paying taxes on it.

We would appreciate it if you would take steps to correct the above conditions and if you wish we would be glad to further discuss this matter at your convenience.

Sincerely yours,

J. V. Walker

Assistant Building Inspector

co: Vern Griffith Henry Johns

JVWe jo

08-19-25-376-097   333 N OLD WOODWARD AVE   Subdivision:     Birmingham MI, 48009   Lot:   Block:	Property Info	rmation 🙈						
Name Information Owner: CITY OF BIRMINGHAM Phone: Occupant: Phone: Applicant: Phone: Architect: Phone:  Project Information Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm) Final Plumbing Inspection   Mike Labriola Status: Completed Result: Approved Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM Comments:	08-19-25-376-	097	333 N OLD WOODWARD AVE		Subdivision:			
Owner: CITY OF BIRMINGHAM Phone:  Occupant: Phone: Applicant: Phone: Architect: Phone:  Project Information  Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:			Birmingh	am MI, 48009		Lot:		Block:
Occupant: Phone: Applicant: Phone: Architect: Phone:  Project Information  Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM  Comments:	Name Inform	ation :	i f f f	<b>新水值则进</b> 者	<b>建设设置</b>		動物を	· · · · · · · · · · · · · · · · · · ·
Applicant: Architect:  Project Information Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved Scheduled: 04/11/2013 12:00 AM  Comments:	Owner:	CITY	OF BIRMIN	GHAM		Phor	ne:	
Architect: Phone:  Project Information  Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM  Comments:	Occupant:					Phor	ne:	
Project Information  Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:	Applicant:					Phor	ne:	
Date Started: 08/09/2011 Date Finished: 04/10/2013 Status: Finished  Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:	Architect:					Phor	ne:	
Description: Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:	Project Infor	mation 🕌 🚊	75 TENERAL		A Party S	1.18.46.4		[2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
Plumb Stand Alone (Comm)  Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:	Date Started:	08/09/2011		Date Finished:	04/10/2013		Status:	Finished
Final Plumbing Inspection   Mike Labriola  Status: Completed Result: Approved  Scheduled: 04/11/2013 12:00 AM Completed: 04/10/2013 12:00 AM  Comments:	Description:							
Status:         Completed         Result:         Approved           Scheduled:         04/11/2013 12:00 AM         Completed:         04/10/2013 12:00 AM           Comments:	Plumb Sta	and Alone (Con	nm)					
Scheduled: 04/11/2013 12:00 AM	Final Plumbing	Inspection   N	1ike Labriola	华德尔基美国	at a factor	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 沙拉德	一一一一种一种一种一种一种一种一种一种一种一种一种一种一种一种一种一种一种一
Comments:	Status:	Completed				Result:	Approv	ved
	Scheduled:	04/11/2013	12:00 AM			Completed:	04/10/	/2013 12:00 AM
Scheduling Comment DAVE 248-541-0819.	Comment	s:						
	Scheduling	Comment	DAVE 248-5	41-0819.				



## Community Development Department 151 Main Street Birmingham, MI 48012-3001 (248) 530-1850

**INSPECTION LINE # (248) 530-1860** 

Applicant:

NELSON BROS SEWER & PLBG/RI

1115 E 11 MILE

ROYAL OAK MI 48067

Status: ISSUED

Plumbing

Type

PP11-0069 JPAC11-0003

Applied: 08/09/2011

Issued: 08/09/2011

Permit Number:

Expires: 02/05/2012

Finaled:

LOCATION	OWNER	CONTRACTOR
0 333 N OLD WOODWARD AVE 08-19-25-376-097 Zoning District: Special District:	CITY OF BIRMINGHAM 151 MARTIN ST BIRMINGHAM MI 48009-3368 Phone: Fax:	NELSON BROS SEWER & PLB 1115 E 11 MILE ROYAL OAK MI 48067 Phone: (248) 541-0819 Fax:

Work Description: BACKFLOW PREVENTION FOR CITY PARKING STRUCTURE. NO FEES

Stipulations:

Primary Constructions Type:

Primary Zoning District:

Primary Use Group:

Project: JPAC11-0003

7 1	Troject. 3171			
 Permit Item	Work Type	Fe	e Basis	Item Total
		0.00	0.00	
		Fee	Γotal:	
		Amo	ount Paid:	

Issued By:

The state of the s

Date: \_\_

Balance Due:

08/09/2011

Revised: 2/14/2010

Inside Drain (Weep)

Backwater Valves \_\_\_\_\_ 10.00

Laundry Tray

\_\_\_ 15.00

#### PLUMBING APPLICATION

# AUG 0 9 2011

**CITY OF BIRMINGHAM** 151 Martin P.O. Box 3001

CITY OF BIRMINGHAM

Phone: (248) 530-1850 Birmingham, Michigan 48012-3000MMMMpection (PMINT VEPET VS0-1860 www.bhamgov.org DATE: 8/9 PERMIT # Application is hereby made for a permit to INSTALL, ALTER, REPLACE the plumbing, sewers, drains or water on the property herein described: IN ACCORDANCE WITH I.P.C. 1997 SECTION 312: ALL PLUMBING SYSTEM PIPING SHALL BE TESTED WITH WATER OR AIR. LOCATION: 333 NOLD WOODWARD Sidwell No: NAME OF APPLICANT: NOLSON ROOS PLUMBING Phone: 248-541-0819 Fax:: 248-541-9046 Number Street City Zip OWNER OF PROPERTY: CITY OF BIVMINGHAM Phone: Address: Number Street SIGNATURE OF APPLICANTA ) TEMPORARY ( ) ALTER ( ) REPAIR ( ) Class of Work: NEW ( **Building Occupancy** Is this permit in conjunction with a building permit? YES/NO If YES, what is the permit number? Water Closet Auto Washer 15.00 Lavatory 15.00 Water Dist.34" 30.00 Backflow Prev/Bldg. 1 25.00 Lawn Sprklr. 50.00 1" 30.00 Bathtub 15.00 Misc. Equip. 15.00 1-1/4" Catch Basin 50.00 Reinspection Fee 50.00 35.00 1-1/2" **Dental Chair** 15.00 Roof Sump 15.00 35.00 2" 15.00 45.00 Dishwasher 20.00 Safe Waste 3" Drains to 6" Sewers to 6" 25.00 50.00 60.00 **4**" Drains over 6" Sewers to 8" 60.00 70.00 40.00 Sewers to 10" 75.00 Over 4" 75.00 **Drinking Fountain** 15.00 15.00 Sewers to 12" 100.00 Urinal 15.00 Floor Drain Water Heater Sewers over 12" 15.00 100.00 Garbage Disposal 15.00 30.00 Shower Trap 15.00 **Water Service** Grease Trap 1" 65.00 Hose Bibs 15.00 8.00 Sink 65.00 Humidifier 15.00 Stacks/Conductors 15.00 1-*1/2*"

> \$50.00 BASE FEE:

Over 2"

65.00

125.00

Registration Fee: \$15.00

Regular Fee:

**Total Fee:** 

6/19/88 - NOTE: Effective immediately, the use of solder or flux exceeding 0.2% lead content or pipes and fittings exceeding 8% lead content is prohibited in new installation and repairs or public water supply systems, or in any plumbing in residential or non-residential facilities providing water for human consumption which is connected to a public water system.

Stand Pipe

Sump with Pump 30.00

City of Birmingham Michigan

# Water Service Permit No. 90 Date 6-1-54 Rec. Nº 26101

Location 343 N. Woodward	betweenand
Tap CITY TREASURER	71R400 Water Shut Off . 2 . \$ 50.00 71R443 Service Connection Charge \$
	Cuya' a rec' ing to.

		Depth of Water Main
Lot No.	·	Size of Water Main
	1	Dept. of Service at P. L.
		Size of Service
		Type of Matl. of Service
House No.	,	Curb stop °
343	North Point	Corporation cock
		Remarks: 2 old 5 ownses shutoff at main
S. A.	P. L.	shutoff of main
	Water Main	
	Street	7-0 54 (0)
	P. L.	7-8 ,1954 Signed

7/10/45 Sewer trouble. Trying to rod it themselves. 10-16-58 Checked mains. OK RWH

# KCT CUARTITEED

August 26, 1943.

Memo to Mark G. Dance, Director of Public Works
Re: Storm sewer service at 351 North Woodward

I have discussed the condition of the old storm sewer service at the above address with Mr. Corson, City Ma nager and we are of the opinion that due to the fact that it appears that the service was cut off or broken off at the location of the new sewer trench on the west side of Woodward Ave.it is the City's job to make a good connection to this new storm sewer.

He has ask me to contact you and give this information to you.

Engineering Department

B A Volum

• \_

NOT VALID UNTIL STAMPED PAID BY CITY TREASURER

Owner-Agent

Deputy City Clerk

Approved......19......

Lot No.  House No.  341	North Point	Depth of Sewer Main S  Size of Sewer Main S  Depth of Service at P. L. T  Size of Service from P. L. to Bldg  Type of Matl. of Inside Service  Type of Matl. of Outside Service  Remarks: Location  Matth PL
SS.	P. L.	
	Sewer Main Street	
er en en en en en en en en en en en en en	P. L.	11/21 1952 (A) A Signed

361 N. Woodward

1/7/42 Reported Sewer trouble. Frozen up.

9/1/53 Sewer service was checked and found plugged portion inside PL. Service cleaned by private plumber. 9/2/53 main plugged and cleaned by City forces.

Addition - Commercial Building Permit | JACB18-0001 **Property Information** 08-19-25-376-097 333 N OLD WOODWARD AVE Subdivision: Birmingham MI, 48009 Lot: Block: **Name Information** Owner: CITY OF BIRMINGHAM Phone: Occupant: Phone: Applicant: Phone: Architect: Phone: **Project Information** Date Finished: 03/20/2018 Date Started: 03/14/2018 Finished Status: Description: ADDITION - COMMERCIAL BUILDING Final Building Inspection | Mike Morad Status: Completed Result: Approved Scheduled: 03/20/2018 12:00 AM Completed: 03/20/2018 03:11 PM Final Electrical Inspection | Edward Rosett Status: Result: Completed Approved Scheduled: 03/16/2018 09:00 AM Completed: 03/19/2018 12:00 AM Building Inspection | RALPH WELTON Status: Completed Result: Approved Scheduled: 03/16/2018 12:00 AM 03/16/2018 09:42 AM Completed: Final Inspection | RALPH WELTON Status: Result: Approved Completed Scheduled: 03/16/2018 12:00 AM Completed: 03/16/2018 09:45 AM



### Community Development Department 151 Martin Street Birmingham, MI 48012-3001 (248) 530-1850

Inspection Requests: www.accessmygov.com

**Applicant:** 

BRIXNSTONE LLC 3033 GLENBROKE

KEEGO HARBOR MI 48320

**Status: FINALED** 

**Building** 

Type

Permit Number: PR18-0143

 $\underset{\mathsf{JACB18-0001}}{PB18-0143}$ 

Applied: 03/14/2018

Issued: 03/19/2018

Expires: 09/16/2018

Finaled: 03/20/2018

LOCATION	OWNER	CONTRACTOR
0 333 N OLD WOODWARD AVE 08-19-25-376-097 Zoning District: Special District:	CITY OF BIRMINGHAM 151 MARTIN ST BIRMINGHAM MI 48009-3368 Phone: Fax:	BRIXNSTONE LLC 3033 GLENBROKE KEEGO HARBOR MI 48320 Phone: (248) 545 0108 Fax:

Work Description: NEW BLOCK ENCLOSURE WITH 36" ENTRANCE DOOR FOR A NEW OIL SEPARATOR

#### NO FEES FOR CITY PROPERTY

Stipulations:

Primary Constructions Type:

Primary Zoning District:

Primary Use Group:

Project: JACB18-0001

Permit Item		Work Type	Fee I	Basis	Item Total
Permit Fee - Const Value \$1 - \$100K	Building Permits		0.00	\$0.00	
			Fee Tot	tal:	0.00
			Amour	nt Paid:	0.00
			Balance	e Due:	0.00



Building Official Approval: \_\_\_\_\_\_ Date: \_\_\_\_\_09/13/2018

ADDRESS: 333 N OLD WOODWARD

AVE

FOLDER NAME: DEMO-

MISCELLANEOUS STRUCTURE

PROJECT# JDMS13-0003

DOC TITLE: PROJECT DOCUMENTS

Linheira III	formation	13-0004	
08-19-36-202	-001 333 PIERCE ST	Subdivision:	
	Birmingham MI, 48009	Lot:	Block:
Name Infor	mation		
Owner:	CITY OF BIRMINGHAM	Phon	e:
Occupant:		Phon	e:
Applicant:		Phon	e:
Architect:		Phon	e:
Project Info	rmation		
Date Started:	06/06/2013 Date Finished: 06/07/201	13	Status: Finished
Description: Demo -	Miscellaneous Structure		
Final Inspecti	on   Ken Cooper	*	
Status:	Completed	Result:	Approved
Scheduled:	06/07/2013 12:00 AM	Completed:	06/07/2013 12:00 AM
Commen	ts:		
Scheduling	CLOSE OUT DEMOLITON OF PARKING GA	RAGE BOOTH	
Building Insp	ection   Ken Cooper	A STATE OF THE STA	The state of the s
<b>.</b> .			
Status:	Completed	Result:	Approved
Status: Scheduled:	Completed 04/15/2013 12:00 AM	Result: Completed:	Approved 04/15/2013 12:00 AM
Scheduled:	·		
Scheduled:	04/15/2013 12:00 AM	Completed:	04/15/2013 12:00 AM
Scheduled: Final Inspecti	04/15/2013 12:00 AM on   Ken Cooper	Completed:	04/15/2013 12:00 AM
Final Inspecti Status: Scheduled:	04/15/2013 12:00 AM  on   Ken Cooper  Completed	Completed:	04/15/2013 12:00 AM Approved
Final Inspecti Status: Scheduled:	04/15/2013 12:00 AM  on   Ken Cooper  Completed 04/15/2013 12:00 AM	Completed:	04/15/2013 12:00 AM  Approved 04/15/2013 12:00 AM
Scheduled: Final Inspecti Status: Scheduled: Undergound	04/15/2013 12:00 AM  on   Ken Cooper  Completed 04/15/2013 12:00 AM  Inspection   Edward Rosett	Completed:  Result: Completed:	04/15/2013 12:00 AM  Approved 04/15/2013 12:00 AM
Final Inspecti Status: Scheduled: Undergound: Status:	04/15/2013 12:00 AM  on   Ken Cooper  Completed 04/15/2013 12:00 AM  Inspection   Edward Rosett  Completed 04/10/2013 12:00 AM	Result: Completed:	04/15/2013 12:00 AM  Approved 04/15/2013 12:00 AM  Approved
Final Inspecti Status: Scheduled: Undergound Status: Scheduled: Comment	04/15/2013 12:00 AM  on   Ken Cooper  Completed 04/15/2013 12:00 AM  Inspection   Edward Rosett  Completed 04/10/2013 12:00 AM	Result: Completed:	04/15/2013 12:00 AM  Approved 04/15/2013 12:00 AM  Approved
Final Inspecti Status: Scheduled: Undergound Status: Scheduled: Comment	04/15/2013 12:00 AM  on   Ken Cooper  Completed 04/15/2013 12:00 AM  Inspection   Edward Rosett  Completed 04/10/2013 12:00 AM	Result: Completed:	04/15/2013 12:00 AM  Approved 04/15/2013 12:00 AM  Approved

# **CITY OF BIRMINGHAM**

Receipt: 142833

06/04/13

151 MARTIN STREET P.O. BOX 3001 BIRMINGHAM, MI 48009

Cashier: TKLOBUCAR

Received Of: RLSHERIDANLLC

**32125 BLOCK** 

**GARDEN CITY MI 48135** 

The sum of:

430.00

<u> </u>			
BDINV	00098722		145.00
BDINV	00098725		65.00
BDINV	00098723		155.00
BDINV	00098726		65.00
		Total	430.00

NONCASH PAYME

430.00

Signed:



## **Community Development Department 151 Martin Street** Birmingham, MI 48012-3001 (248) 530-1850

INSPECTION LINE # (248) 530-1860

Applicant:

R L SHERIDAN LLC **32125 BLOCK** 

**GARDEN CITY MI 48135** 

Status: ISSUED

**Demolition** 

Type

Permit Number:

PD13-0024 JDBC13-0003

Applied: 03/28/2013

Issued: 06/04/2013

Expires: 12/01/2013

Finaled:

LOCATION	OWNER	CONTRACTOR
0 333 N OLD WOODWARD AVE 08-19-25-376-097 Zoning District:	CITY OF BIRMINGHAM PO BOX 3001 BIRMINGHAM MI 48012	R L SHERIDAN LLC 32125 BLOCK GARDEN CITY MI 48135
Special District:	Phone: Fax:	Phone: (734) 422 6400

Work Description:

**Stipulations:** 

Primary Constructions Type:

Primary Zoning District:

Primary Use Group:

Project: JDBC13-0003

Permit Item		Work Type	Fe	ee Basis	Item Total
Permit Fee - Const Value \$1 - \$100K	Building Permits		6,175.00	\$145.00	
				Total: ount Paid:	145.00 145.00
			Bala	nce Due:	0.00

Building Official Approval:

Date:

06/04/2013



# City of Birmingham Community Development Department P.O. Box 3001, Birmingham, MI 48012

Ph# 248-530-1850

www.bhamgov.org

Inspection Line# 248-530-1860

Date: DECEIVED	Bldg. Permit No:
MAR 2 8 2013 BUILDII	NG PERMIT
TWO SETS OF PLANS ARE REQUIRED - (RESIDENTIAL) FOUR SETS OF PLANS ARE REQUIRED - (COMMERCIA	
Application is hereby made for a permit to <b>CONSTRUCT/EI</b> or parking lot.	NLARGE ALTER/REPAIR or DEMOLISH a building, structure,
LOCATION Street and Number	ent Dept. assigns new addresses for new construction)
	ill Dept. assigns new addresses for new construction)
NAME OF APPLICANT R.L. Sheridan	11c Phone: (734) 422-6400
	Fax: ( )
Address: 32125 7316CK G (Street) (0	ARDEN City 48135
OWNER OF PROPERTY CITY OF BIR	ming home:()
Address: 151 MARTIN	
(Street) (C	City) (Zip)
Construction Type	Sq. Ft. of New Construction:
Flood Zone	Sq. Ft. of Existing Construction: _
Use Group	Total Square Footage:
Code Edition	·
Nature of Work (Describe in Detail) シェルいられ	. OF PARKING lot Booth
Exterior Changes (Describe in Detail)	
Fence inspection (Demolition only, for office use only)	Approved by:
Requires Planning Approval / / Yes / / No	
Revised: 2/14/2010	2

# City of Birmingham Community Development Department

# APPLICATION FOR A BUILDING/DEMOLITION PERMIT

The complete plans and application are submitted to the Community Development Department for review	 /.
<ul> <li>Two complete sets of construction drawings for residential or four architecturally sealed sets for commerce a certified survey, and all pertinent information, such as job specification, must be submitted at the time application.</li> <li>A Site Evaluation application is also required for a new house, addition or accessory structure.</li> </ul>	
<ul> <li>Compliance with the attached "Requirements for Permit Approval for Residential Demolition" is required.</li> <li>A PHOTOGRAPH of the house you intend to demolish is required.</li> </ul>	
<ul> <li>Once plans have been reviewed, the applicant is contacted and either asked to make the required change the plans or, to pick up the building/demolition permit.</li> </ul>	s to
Fees made payable to the "The City of Birmingham"	
All plumbing, heating, refrigeration and electrical alterations require separate permits.	
All building applications must include a copy of a current Builders License.	
All Plot Plans submitted must include location of City Trees in Right of Way.	

Revised: 2/14/2010

construction

Zoning		Historic Designation	
Check One:  ☐ Single Family  ☐ Two Family/Multiple  ☐ Commercial	,		
Estimated Value of the Propo	sed Construction \$	, 175.00	•
For New Construct	tion Only		
Meter Size	FEE	_ Permit Fee	\$ 145 80
Water for Construction	FEE	_ Plan Review	/ Fee \$
Water Trench	FEE	_ T <b>otal</b>	\$
Water Inspection	FEE	Bond	\$
Sewer Bond	FEE	Registration Fee (\$2	25.00) \$
Sewer Trench	FEE	TOTAL	\$
Sewer Inspection	FEE	-	and Que
Stop Box (Refunded if not			reun Pagin
As the owner of re application.	cord, I hereby auth	cal deed restrictions prior to norize the proposed constr	
Print Name:	city of the	11/auryhan	
Required signature of owner:	·	(Date)	
As the applicant, I land	have been authorized	d by the owner to make t	this application as his
Print Name:	BRISLOE		
Signature of Applicant	es Tour	(Title)	28 MAR 2013
License Number	Comp	pany Name R. L. Sheride	(Date)
License Expiration Date:		APPROVAL	
Building Inspector	_	Date	



### **MEMORANDUM**

TO:

FROM:

All Licensed Contractors

Bruce R. Johnson, Building Official

Γhe	Act mand	dates that <u>ALL</u> construction code applicants require:	builders or other licensed applicants.
	1.	The Occupational License Number of all applican	ts, and, expiration date of license.
		,	,,
		(Occupational License Number)	(Expiration Date)
	2.	The name of each carrier providing worker's reason for exemption.	disability compensation insurance to the applicant or, the
		(Insurance Company)	(Expiration Date)
	3.	The Internal Revenue Code Employer Identificat	on Number, or, the reason for exemption
		(The IR Code Employer ID Number begi	ns with a "38")
		Reason for Exemption	
	4.	The Michigan Employment Security Commission	Employer Number, or, the reason for exemption
-	•	Reason for Exemption	
The	Act also r	requires that the following statement be in 8-point b	oldface type above the location for the applicant's signature:
	Secti the I	ion 125.1523a of the Michigan Compiled Lav	of 1972, Act No. 230 of Public Acts of 1972, being one, prohibits a person from conspiring to circumvent opersons who perform work on residential buildings a are subjected to civil fines."
			Applicant's Signature
		ED IN Contract: R.L.	3
	F ( ).	ED IN Contract	Sherioch IIC



#### FENCING FOR CONSTRUCTION PROJECTS

Fences to enclose construction projects are to be chain link and a minimum of six (6) feet in height measured from the ground on which they are located. The fence is to be located on the property and not directly on or beyond property lines. The distance to the sidewalk is to be maintained by the property owner.

There is to be a gate provided. The gate should open into the property and not across the sidewalk blocking passage. Gates are required to be secured when there is no one on the site.

Fences are to be properly supported. Fences are to be approved by the building official.

Removal of a construction fence requires building official approval.

All items are discussed with the applicant prior to permit release

Signature:

AL Briscae

Print name:

Revised: 2/14/2010

#### **BUILDING PERMITS FEES:**

Total Valuation:

Fee:

\$1.00 - \$1,000.00

\$85.00

\$1,001.00 - \$100,000

\$85.00 Plus \$10.00 per each additional thousand or

fraction thereof up to \$100,000.

\$100,001 and up

\$15.00 per each additional thousand or fraction thereof.

The construction fee is determined from the total construction value as shown in the most recent edition of the ICC Building Evaluation Data Square foot construction costs. For all use groups except one and two family residential, the square foot construction cost is 100% of the value shown in construction costs table; for renovations the square foot construction cost is 50% of the value shown in the table. For residential one and two family structures, the square foot construction cost is \$125.

#### **PLAN EXAMINATION FEES:**

When the valuation for the proposed construction exceeds \$1000 and a plan is required to be submitted, a plan checking fee shall be paid at the time of submitting plans and specifications for checking. Said plan examination shall be a minimum of \$85.00 up to a valuation cost of construction of \$10,000. All other plan examination fees shall be based on the cost of construction valuation of the building.

For Buildings valued between \$10,001 - \$500,000

The plan review fee is .0020 times the value, or a minimum of \$150.00.

For Buildings valued over \$500,000

The plan review fee is \$1,000 plus .0010 times the value of construction.

Mechanical/Plumbing Code Reviews required

Multiply the building code review fee by 1.25.

#### **BONDS:**

All new construction for which a building permit has been issued shall pay, in addition to the permit fees, a cash bond as follows:

Total Valuation	Fee
\$ 0 - \$10,000	\$ 100.00
\$10,001 - \$50,000	\$ 200.00
\$50,001 - \$100,000	\$ 300.00
\$100,001 to \$500,000	\$ 500.00
\$500,001 and up	\$1,000.00
House	\$2,000.00
Carago	# FAA AA

Demolition bond

riouse	Ψ2,000.00
Garage	\$ 500.00

All bonds are refundable upon final completion and approval of the project. Refunds take approximately 3-4 weeks for processing.

#### **REFUNDS:**

Refunds on any permit are subject to a minimum of twenty-five (25%) for administrative services with no construction work commencing. After construction has started, fees will be refunded proportionately as determined by the Building Official. Any permit fee for construction that is seventy-five (75%) or more completed will not be refunded. Plan Review fees are not refundable.



### Community Development Department 151 Martin Street Birmingham, MI 48012-3001 (248) 530-1850

**INSPECTION LINE # (248) 530-1860** 

Permit Number:

Applicant:

CITY OF BIRMINGHAM LINCOLN

151 MARTIN

BIRMINGHAM MI 480093369

Status: ISSUED

**Electrical** 

Type

PE13-0171 JDBC13-0003

Applied: 03/28/2013

Issued: 06/04/2013

Expires: 12/01/2013

Finaled:

LOCATION	OWNER	CONTRACTOR
0 333 N OLD WOODWARD AVE 08-19-25-376-097 Zoning District: Special District:	CITY OF BIRMINGHAM LINCOLN HIL 151 MARTIN BIRMINGHAM MI 480093369 Phone: (000) 000-0000 Fax:	Phone: (000) 000-0000 Fax:

Work Description:

Stipulations:

Primary Constructions Type:

Primary Zoning District:

Primary Use Group:

Project: JDBC13-0003

Permit Item		Work Type	Fee	e Basis	Item Total
First Circuit	Electrical Permits		1.00	\$0.00	
Base Fee	Electrical Permits		1.00	\$50.00	
First Circuit	Electrical Permits		1.00	\$15.00	
			Fee T	otal:	65.00
			Amo	unt Paid:	65.00
			Balar	nce Due:	0.00

Issued By:

Date:

06/04/2013

Permit #

DECEIV A

**CITY OF BIRMINGHAM** 

151 Martin Street P. O. Box 3001

Birmingham, Michigan 48012-3001

Electrical Permit Application

Inspection Line: 248-530-1860
CITY OF BIRVINGHAM Community Development: 248-530-1850

COMMUNITY DEVELOPMENT DEPARTMENT

AUTHORITY: PA 230 OF 1972. AS AMMENDED COMPLETION: MANDATORY TO OBTAIN PERMIT PENALTY: PERMIT CAN NOT BE ISSUED

I. JOB LOCATION			
Name of Owner/Agent	Has a building p	ermit been obtained for this	project?
333	□Yes	□No	☐Not required
Street Address/Job Location (Street No. and Name)	City/Village Bran	ghow	Phone
II. CONTRACTOR/HOMEOWNER INFORMATION	, /		
Name The Hechical		Contractor License Numbe	r Expiration Date 12/3//2012
Address (Street No., and Name)  City  City  State  State  Zip  NICH	L code 48150	Master License Number	Expiration Date  12/31/2017
Telephone:  739 26/430/ (734)26/436  Workers Compensation Insurance Carrier (or reason for exemption)  Some # # 160 7 6 3 8	38-	er ID Number (or reason for 26 9 - 887)  r Number (or reason for exer	
III. TYPE OF JOB			
□Single Family □New □Altera	tion	□Other	☐Special Inspection
IV. PLAN REVIEW REQUIRED			a de la companya de
See below for plan review requirements before completing this sect to an electrical system is over 400 amps and is in excess of 3,500 sq What is the rating, of the service or feeder in ampere?  What is me building size in square feet?	tion. Plans and spe uare feet in all buil	cifications must be submitted dings.	d when the wiring or alteration
Have plans been submitted? ☐Yes ☐No	□Not Required	Building Permit No	·
Plans are required for all building types and shall be prepared by or Act No. 299 of the Public Acts of 1980, as amended, and shall bear 1. When the electrical system rating does not exceed 400 amps a 2. Work completed by a governmental subdivision or state agenc PLANS MUST BE SUBMITTED BEFORE A PERMIT CAN BE ISSUED.	hat architect's or e nd the building is n	engineer's signature and seal, not over 3,500 square feet in	, except:
V. APPLICANT SIGNATURE			·
Section 23a of the state construction code act of 1972, 1972 PA 230 licensing requirements of this state relating to persons who are to person 23a are subjected to civil fines.	), MCL 125,1523A, perform work on a	prohibits a person from con- residential building or a resid	spiring to circumvent the dential structure. Violators of
Signature of licensee or homeowner (Homeowner signature indicat	es compliance with	Section VI Homeowner Affia	lavit) Date

**COMPLETE APPLICATION ON BACK SIDE** 

DECEIVED MAR 2 8 2013

Revised 3/27/2012

CITY OF BIRMINGHAM
COMMUNITY DEVELOPMENT DEPARTMENT

#### **VI. HOMEOWNER AFFIDAVIT**

I hereby certify the electrical work described on this permit application shall be installed by myself In my own home in which I am living or about to occupy. All work shall be installed in accordance with the State Electrical Code and shall not be enclosed, covered up, or put into operation until it has been inspected and approved by the Electrical Inspector. I will cooperate with the Electrical Inspector and assume the responsibility to arrange for necessary Inspections.

#### **VII. FEE CHART**

Enter the number of items being installed, multiply by the unit fee for total price.

	Fee	# Items	Total		Fee	# Items	Tota
1. Base Fee (non-refundable)	\$50.00	1	\$50.00	19. Residential Smoke Alarm Less Than 50 Volts with Panel	\$50.00		
2. Service: Up to 200 Amps.	\$35.00			20. Each Sub Panel (30-200 Amps)	\$35.00		
3. 201 Amp. thru 400 Amps	\$50.00			21. Sub Panel Over 200 Amps	\$50.00		
4 Over 401 Amps	\$100.00			22. Motors: 1/4 HP to 10 HP each	\$25.00	· · · · · ·	
5. Temp. Service to 200 Amps	\$40.00			23. Over 10 HP to 30 HP each	\$40.00		
6. AC interrupt Service	\$20.00			24. Over 30 HP	\$60.00		
7. 1 <sup>st</sup> 25 Lights/ Switch/Receptacles	\$20.00			25. Fire Alarm Panel	\$30.00		
8. Each Add. set of 20	\$15.00			26.Each Alarm Device	\$10.00		
9. Each Residential AC	\$35.00			27. First Circuit	\$15.00	/	
10. Furnace - Unit Heater	\$20.00			28. Each Additional Circuit	\$8.00		
11. Appliances/Disposals/dishwasher	\$10.00			29. Energy Retrofit - Temp- Control	\$45.00		
12. Power Outlets (ranges, dryers, etc.)	\$20.00			30. Additional/Special/Safety Insp.	\$35.00		
13. Signs: Sidewalk Inspection Required	\$50.00			31. Commercial HVAC 5 tons or less	\$50.00		,
14. Each Addn. Sign/Neon ea. 25 ft	\$20.00			32. Commercial HVAC over 5 tons	\$75.00		-
15. Pools/Hot Tubs/Spas	\$50.00		<del> </del>	33. Safety Inspection/Low Voltage	\$35.00		
16. Feeders-Buss Ducts, etc - per 50*	\$25.00			34. Reinspection Fee	\$50.00		
17. Res. Smoke detectors up to 8 units, 120 volts	\$20.00						
18. Low Voltage Smoke Alarm with Panel	\$50.00			Registration Fee	547	\$25	.00

An administrative fee equal to the permit fee may be charged in addition to the permit fee when work is started and/or completed without first obtaining the permit.

Please make check payable to "City of Birmingham"

\*COMMERCIAL FIRE ALARMS REQUIRE 48-HOUR NOTICE\* Please call the Electrical Inspector to schedule: (248) 530-1858

CIOS 12 SAM

Revised 3/27/2012

	formation	그리 제작권 하늘 동시 현 빨 제품 시험 같 	F 200 C 20 C	
08-19-25-376	5-097	333 N OLD WOODWARD AVE	Subdivision:	
		Birmingham MI, 48009	Lot:	Block:
Name Infor	mation		Topic Congress	And the second s
Owner:	CITY	OF BIRMINGHAM	Pho	ne:
Occupant:			Pho	ne:
Applicant:			Pho	ne:
Architect:			Pho	ne:
Project Info	rmation		·	
Date Started:	06/06/2013	Date Finished: 06/07/2013		Status: Finished
Description:				
Demo -	Miscellaneous Str	ucture		
Final Electrica	al Inspection   Ed	ward Rosett	*	
Status:	Completed		Result:	Approved
Scheduled:	06/07/2013 13	2:00 AM	Completed:	06/07/2013 12:00 AM
Commen	ts:			
Scheduling	g Comment C	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH
Final Inspecti	ion   Ken Cooper			
Status:	Completed		Result:	Approved
Scheduled:				• •
	06/07/2013 13	2:00 AM	Completed:	06/07/2013 12:00 AM
Commen		2:00 AM	Completed:	06/07/2013 12:00 AM
Commen	ts:	2:00 AM CLOSE OUT PERMIT FOR DEMOLITION OF PA	·	
<b>Commen</b> Scheduling	ts: g Comment C	CLOSE OUT PERMIT FOR DEMOLITION OF PA	·	TURE BOOTH.
Commen Scheduling Building Insp	ts: g Comment Coopection   Ken Coop	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH.
Commen Scheduling Building Insp Status:	ts: g Comment Copection   Ken Coop	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH. Approved
Commen Scheduling Building Insp Status:	ts: g Comment Coopection   Ken Coop	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH.
Commen Scheduling Building Insp Status:	ts: g Comment Copection   Ken Coop	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH. Approved
Commen Scheduling Building Insp Status: Scheduled:	ts: g Comment Copection   Ken Coop	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH. Approved
Commen Scheduling Building Insp Status: Scheduled:	ts: g Comment Copection   Ken Coop Completed 04/15/2013 12	CLOSE OUT PERMIT FOR DEMOLITION OF PA	ARKING STRUC	TURE BOOTH.  Approved 04/15/2013 12:00 AM
Commen Scheduling Building Insp Status: Scheduled: Final Inspecti Status:	ts: g Comment Copection   Ken Coopection   CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed:	TURE BOOTH.  Approved 04/15/2013 12:00 AM	
Commen Scheduling Building Insp Status: Scheduled: Final Inspecti Status:	completed  output  dion   Ken Cooper  Completed  completed  completed  completed	CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed: Result:	Approved 04/15/2013 12:00 AM Approved
Commen Scheduling Building Insp Status: Scheduled:	completed  output  dion   Ken Cooper  Completed  completed  completed  completed	CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed: Result:	Approved 04/15/2013 12:00 AM Approved
Commen Scheduling Building Insp Status: Scheduled: Final Inspecti Status:	completed  output  dion   Ken Cooper  Completed  completed  completed  completed	CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed: Result:	Approved 04/15/2013 12:00 AM Approved
Commen Scheduling Building Insp Status: Scheduled: Final Inspecti Status:	completed  output  dion   Ken Cooper  Completed  completed  completed  completed	CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed: Result:	Approved 04/15/2013 12:00 AM Approved
Commen Scheduling Building Insp Status: Scheduled: Final Inspecti Status:	completed  output  dion   Ken Cooper  Completed  output  Completed  completed  completed	CLOSE OUT PERMIT FOR DEMOLITION OF PA	Result: Completed: Result:	Approved 04/15/2013 12:00 AM Approved



### Community Development Department 151 Martin Street Birmingham, MI 48012-3001 (248) 530-1850

Inspection Requests: www.accessmygov.com

Applicant:

LEE & ASSOCIATES CO INC 6444 E MALVERN DR TROY MI 48098

**Status: FINALED** 

**Electrical** 

**Type** 

Permit Number: PE18-0183 JACB18-0001

Applied: 03/15/2018

Issued: 03/15/2018

Expires: 09/15/2018

Finaled: 03/19/2018

LOCATION	OWNER

0 333 N OLD WOODWARD AVE 08-19-25-376-097 CITY OF BIRMINGHAM 151 MARTIN ST

Zoning District:
Special District:

151 MARTIN ST BIRMINGHAM MI 48009-3368

Phone: Fax:

CONTRACTOR

LEE & ASSOCIATES CO INC

6444 E MALVERN DR

TROY MI 48098 **Phone:** (248) 88

**Phone:** (248) 884 5800 **Fax:** (248) 494 4559

Work Description: PARKING GARGE CIRCUITS FOR ELEVATOR - FEE CITY WORK

**Stipulations:** 

Primary Constructions Type: 2A

Primary Zoning District:

Primary Use Group: S-2

Project: JACB18-0001

Permit Item		Work Type	Fe	e Basis	Item Total
First Circuit	<b>Electrical Permits</b>		1.00	\$0.00	
Each Additional Circuit	<b>Electrical Permits</b>		2.00	\$0.00	



Fee Total: Amount Paid: 0.00

Balance Due:

0.00

Issued By:

Date:

09/13/2018

Date Submitted 12-22 11
Date Approved
CITY OF BIRMINGHAM HISTORIC DISTRICT AND DESIGN REVIEW COMMISSION
SIGN REVIEW PETITION
THE SIGN APPLICATION IS TO BE FILLED OUT COMPLETELY
AND ACCOMPANIED WITH THE FOLLOWING:
<ol> <li>A Review Fee of \$150.00.</li> <li>Samples or swatches of all materials affecting exterior appearances to be used (ALL MATERIALS MUST BE LABELED).</li> <li>Photographs of site and existing buildings.</li> </ol>
4. <b>Nine (9) copies</b> of the proposed sign design plan to the Community Development Department in the Municipal Building.
<ul> <li>THE SIGN DESIGN PLAN MUST BE DRAWN TO SCALE ON THE BUILDING ELEVATION WITH ALL DIMENSIONS AND MATERIALS SHOWN ON THE PLANS. IF THERE IS MORE THAN ONE PAGE PER EACH SET OF PLANS, ALL PLANS MUST BE STAPLED TOGETHER. ALL PLANS MUST BE FOLDED.</li> <li>A color plan/rendering mounted on foam board is required at time of submitting materials to Community Development Department.</li> <li>The fees for design review, site plan review, historic review and special land use permits shall be double the listed amounts in the event the proposed project is commenced prior to filing of an application for review by the city.</li> <li>The Community Development Department will review the petition, assign a date for Historic District and</li> </ul>
Design Review Commission review and notify the applicant.  1. Owner of Property/Building (Note! Not business owner)
Name CITY OF BIRMINGHAM
Street Address 333 N. OID WOODWARD City Zip
Telephone NumberFax:
2. Builder
Name PLANET NEON
Street Address 46593 689ND 81VER City NOVI Zip 48374
Telephone Number <u>248 348-8/50</u> Fax: <u>248 348-43/7</u>

G ON PROPERTY.
G ON PROPERTY
G ON PROPERTY.
Review and have complied is item will be discussed.
2

# 3. Applicant (if other than above) Name \_\_\_\_\_ Street Address: \_\_\_\_\_ City \_\_\_\_ Zip \_\_\_\_\_ Telephone Number\_\_\_\_\_\_Fax:\_\_\_\_\_ 4. If property is leased, length of lease \_\_\_\_\_ 5. Property is zoned DISTRICT 6. Property is located at 333 N. OLD WOODWARD (insert legal description if there is no street address) 7. Use of building PARKING Width \_\_\_\_\_\_\_ height\_\_\_\_\_\_ of building. 8. Street Frontage: Detailed description of all work to be done (listing of materials and colors specifically). 9. 1. MANUFACTURE AND INSTALL PROPOSED SIGN 2. REMOVE EXISTING SIGN 3. ELECTRICAL CONNECTION Location of All Signs \_\_N.E. CORNER 10. 11. TYPE - Ground \_\_\_\_\_\_ Marquee \_\_\_\_\_ Roof \_\_\_\_\_ Wall \_\_\_\_\_Projecting X IF A WALL SIGN, INDICATE WALL TO BE USED Front X Rear Side \_\_\_\_\_ 12. SIZE - $\frac{\cancel{14} \cancel{34} \cancel{x}}{\cancel{x} \cancel{74}} = \frac{9}{\cancel{y}}$ SQUARE FEET. 13. HEIGHT OF LETTERING - 8"

# **AGENDA**

# BIRMINGHAM HISTORIC DISTRICT AND DESIGN REVIEW COMMISSION MUNICIPAL BUILDING – COMMISSION ROOM – 151 MARTIN STREET WEDNESDAY –APRIL 5, 2000

- 1. Roll Call
- 2. Postponed Agenda Items:

33495 Woodward—"Birmingham Imports / Image Soft"

3. Historic Review:

148 Pierce—Telephone Exchange Building Landmark—"Gibbs Planning Group"

4. Design Review:

111 Henrietta—"Brooklyn Pizza"

5. Sign Review:

333 N. Old Woodward—"North Old Woodward Parking Structure" )

1603 E. 14 Mile—"Busy Body Home Fitness"

2006 Cole—"Carnovale and Associates"

- 6. Approval of the Minutes of March 15, 2000
- 7. Other Business:
  - A. Downtown Birmingham 2016 Update:
    - Newsrack Implementation Update—Status Report
  - B. City Commission—HDDRC Priority List
    - Residence Park Neighborhood—Status Report
  - C. Woodward Avenue Median Improvement Project-Status Report
  - D. Historic Preservation Awards Committee Report
  - E. Sign Design Criteria / Standards—Report
  - F. Historic Marker Program—Status Report
  - G. Next HDDRC Agenda
- 6. Adjournment

Notice: People with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk's Office at (248) 644-1800, ext. 282 (voice) or (248) 644-5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.

<u>PETITIONERS MUST BE PRESENT OR HAVE A REPRESENTATIVE, WHO CAN ACT ON HIS/HER BEHALF, AT THE MEETING.</u>

#### **MEMORANDUM**

Date:

March 29, 2000

To:

**HDDRC Commission Members** 

From:

C. James Sabo, City Planner

Approved:

Patricia McCullough, Community Development Director

RE:

Sign Review - 333 N. Old Woodward - "North Old Woodward Parking

Structure"

Zoning

PP, Public Property

**Existing Use** 

Parking Structure

#### **Proposal**

The applicant proposes the installation of a new vertically oriented wall sign. There is currently a parking entrance sign on the structure on the north elevation. The existing "Green P" sign will be removed from the building.

**Note:** This proposal was postponed at the February 2 meeting to allow the petitioner an opportunity to address concerns raised at the meeting.

#### Signage

The total linear building frontage is 195 feet permitting 195 square feet of sign area. The proposed projecting sign measures 21" x 143" or 21 square feet in area per side for a total of 42 square feet of sign area, which conforms to the provisions of the sign ordinance for public property districts with respect to vertically oriented wall signs. In accordance with Section 86-28(5) of the revised sign ordinance, the HDDRC may allow a vertically oriented wall sign if the sign otherwise meets the provisions of the wall sign chapter.

The signage will consist of two internally illuminated 21" wide painted aluminum cabinet signs with 12 inches between the sign faces. The sign construction will consist of "Ivory" Plexiglas, "White" lexan acrylic, and "Gold" vinyl sign faces. A majority of both sign faces will be painted black spruce (PMS 5605). The Planning and Engineering Divisions have provided the sign manufacturer with the specifications for Black Spruce. The sign will be bolt mounted to the building façade. The sign reads "P-logo Parking, Full, First 2 Hours free." The wording "full" can be illuminated for informational purposes. The "full"

area of the sign consists of clear red neon letters behind a clear Plexiglas face insert with a diffusing day/night vinyl film. This will allow the word "full" to appear invisible. Additionally, the lettering on the sign was changed to "First" 2 Hours instead of "1st" and the sign boxes have been reconnected to reduce the opportunity for bird nesting.

#### Illumination

The lighting proposed for the sign is a combination of internal neon and internal florescent, which conforms to the provisions of the sign ordinance for commercial and office districts.

#### Recommendation

Generally, the proposed signage is in keeping with surrounding architecture and the overall character of the North Old Woodward commercial district. The proposed sign provides better directional visibility for patrons wishing to use the parking structure. However, there should be an overall design plan for the City parking decks. The HDDRC has recommended that the petitioner develop a sign plan for city parking decks and would allow the proposed sign as a one time sign. The Planning Division continues to recommend that the HDDRC request a comprehensive parking structure sign plan for city decks to be part of a signage wayfinding program.

When reviewing the project against the standards of Section 86-3 of the City of Birmingham Sign Ordinance, staff makes the following observations:

- 1. The appearance color and texture of the sign materials being used will likely preserve and not adversely affect property values in the immediate neighborhood. The sign will likely reduce confusion regarding the location of the entrance to the structure.
- 2. The appearance of the building exterior with the signage will not detract from the general harmony and compatibility of existing buildings in the immediate neighborhood. The sign is well suited for the neighborhood and the petitioner has complied with the recommendation for more liberal use of Black Spruce Green as opposed to striping.
- 3. The building exterior with the signage is not offensive or otherwise garish in appearance.

The Planning Division recommends that the Commission consider a motion to approve the sign review application for "N. Old Woodward Parking Structure" 333 N. Old Woodward subject to the following conditions:

- 1. The applicant should address the overall parking structure sign designs plans.
- 2. The sign would be approved as a one-time only sign.

Historic District and Design Review Commission Proceedings February 2, 2000 Page 2

02-17-00

HISTORIC REVIEW
215 N. Old Woodward

Huston Building Landmark - "McInerney and Remick Antiques"

The applicant proposes the installation of a new name letter sign. The existing "Cristions" name letter sign will be removed from the building. The signage will consist of two letter sizes, 13.56 sq. ft. of sign area. The main copy is 9-in. black compressed foam lettering and reads, "McInerney and Remick." The secondary copy lettering is 2 1/4 in. burgundy compressed foam lettering and reads, "Antiques - Accessories."

Mr. Sabo indicated that manufacturer's specifications would be needed for the burgundy color. The sign is in keeping with the surrounding architecture and character of the Historic Central Business District. He noted the commission might wish to request that building facade repairs be completed prior to a motion for approval.

Discussion brought out that the "Cristions" sign could be administratively approved once it is moved to the store just to the south. The commission discussed the proposed sign with Ms. Heidi McInerney, the business owner. Mr. Jickling observed that the overall dimensions of the sign are needed on the drawing. Chairman McDaniel added it is helpful as part of the presentation to know how the sign is mounted.

Motion by Mr. lickling

Supported by Ms. Rowbottom to approve the sign. Specifications on the small lettering are needed and the facade is to be repaired after the "Cristions" sign somes down and before the new sign is affixed.

Motion carried 7-0.

02-18-00

SIGN REVIEW
333 N. Old Woodward - "North Old Woodward Parking Structure"

The applicant, Advisory Parking Committee ("APC"), proposes the installation of a new vertically oriented wall sign. There is currently a parking entrance sign on the structure on the north elevation. The existing green "P" sign will be removed from the building.

The signage will consist of two internally illuminated painted aluminum cabinet signs with 42 sq. ft. of sign area. The sign construction will consist of ivory Plexiglas, white lexan acrylic,

and gold vinyl sign faces. Color specifications are needed. The sign will also feature black and black spruce accent striping. The sign reads "P-logo Parking, Full, 1st two hours free." The word "full" can be illuminated for informational purposes. Specifications for the lighting are also needed.

Mr. Sabo described the sign as generally in keeping with surrounding architecture and overall character of the North Old Woodward commercial district. Parking decks within the City are zoned PP, Public Property. He recommended that as the City moves forward with the Wayfinding project, the HDDRC might wish to suggest that an overall sign design plan be developed for the City parking decks.

Mr. Jickling commented the bottom cabinet might end up being a place for birds to build their nests.

Mr. O'Meara explained the purpose of the individual signage was to have the ability to remove the second sign in the future if necessary, and also to add architectural interest. The APC is concerned that when the Palladium is constructed, additional parking may be needed. Their intent was to add signage in order to pull in people to that structure. At this point the committee has not talked about whether the signage should be extended to other buildings.

Mr. von Staden initiated discussion to the effect that a Wayfinding policy needs to be set for all of the parking structures. He feels the sign that this commission approves should be a prototype for the other structures. Additionally, Mr. von Staden described the safety issue that exists when cars are exiting the North Woodward structure. Frequently drivers do not look to the south to check for pedestrians. Mr. Jickling thought the deck number should be identified on the sign and also noted that generally, parking signs are green. Ms. Stone felt the sign should be simplified, as it is difficult to read. The other commissioners echoed that thought. Ms. Rowbottom suggested removing the word "first" from "2 hours free." Mr. Horton thought "Park" would be simpler than "Parking."

Mr. Dave Hanna, Planet Neon Sign Systems of Novi, explained he needs to design the sign so that "full" is not visible unless it is turned on.

Mr. Stuart Laidlaw spoke from the audience to clarify that exposed neon would not be allowed. Also, he quoted JJ & R design specifications from 1988 for the parking structures. He recommended that the City be encouraged to move forward with its Wayfinding signage system.

Mr. Keith Vosburg, representative from the APC, clarified this signage is not meant as an overall prototype for all of the decks. It was the consensus of the discussion that followed that there are a number of design issues that have been identified tonight that need to be considered. If those issues are satisfactorily addressed and the sign is brought back for re-submission, the

commission would approve it as a one-time sign. Mr. Vosburg agreed to take back to his board all of the comments that were made this evening and then work on modifying the design.

Motion by Mr. Jickling Supported by Ms. Rowbottom to table this item to a future meeting.

Motion carried 6-1.

#### 02-19-00

## APPROVAL OF MINUTES FROM THE REGULAR MEETING OF JANUARY 5, 2000

Mr. McKeon said on page 1, Mr. Gary Pirelli should be identified as to his role. Further down, "... Move it back to the right" is not specific.

Additionally on page 1, Chairman McDaniel inserted "design" after "facade" in the last line.

Mr. McKeon deleted the second "asked" in the first line on page 2.

On page 3, last paragraph, third line from the bottom, Chairman McDaniel inserted 'which" in front of "cannot." He added that the full paragraph at the bottom of page 5 doesn't make sense and asked staff to fix it. On page 10, "Harvest Bread Co." should be "South Adams Commons." He asked that this item be put on a future agenda along with color samples. Mr. McKeon explained the colors are not being used in a manner that he recalls the board approved.

Motion by Ms. Stone

Supported by Mr. von Staden to approve the Minutes of January 5, 2000 as amended.

Motion carried 7-0.

#### 02-20-00

## APPROVAL OF MINUTES FROM THE REGULAR MEETING OF JANUARY 19, 2000

Mr. Jickling initiated discussion about the first motion on page 3. Chairman McDaniel was quite sure the approval was subject to Board of Zoning Appeals approval. The consensus was that the wording of the motion should be changed.

Mr. McKeon noted staff should get back to the commission as to his motion on page 2 to report whether the signage on the building is within the allowable square footage. The last sentence in the paragraph beginning "The petitioner is proposing" should read, "In accordance with the Sign

#### **AGENDA**

## BIRMINGHAM HISTORIC DISTRICT AND DESIGN REVIEW COMMISSION MUNICIPAL BUILDING – COMMISSION ROOM – 151 MARTIN STREET WEDNESDAY – FEBRUARY 2, 2000

\*

- 1. Roll Call
- 2. Historic Review:
  - 215 N. Old Woodward—Huston Building Landmark—"McInerney and Remick Antiques"
- 3. Sign Review:
  - 1333 N. Old Woodward—"North Old Woodward Parking Structure"
- 4. Approval of the Minutes of January 5, 2000 and January 19, 2000
- 5. Other Business:
  - A. Downtown Birmingham 2016 Update:
    - Civic Center Improvement Project Status Report
    - Newsrack Implementation Update (2.10.00 meeting)
  - B. City Commission—Long Range Planning Session—January 22, 2000—Report
  - C. Woodward Avenue Median Improvement Project—Status Report
  - D. Historic Designation Process Update / 608 Vinewood
  - E. March Workshop Planning—Residence Park Neighborhood, Historic District Discussions
  - F. 180 N. Old Woodward "Shangri-La" Façade Repair
  - G. Next HDDRC Agenda
- 6. Adjournment

<u>Notice:</u> People with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk's Office at (248) 644-1800, ext. 282 (voice) or (248) 644-5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.

<u>PETITIONERS MUST BE PRESENT OR HAVE A REPRESENTATIVE, WHO CAN ACT ON</u> HIS/HER BEHALF, AT THE MEETING.

#### **MEMORANDUM**

Date:

December 29, 1999

To:

**HDDRC** Commission Members

From:

. James Sabo, City Planner

Approved:

Patricia McCullough, Community Development Director

RE:

Sign Review – 333 N. Old Woodward – "North Old Woodward Parking

Structure"

Zoning

PP, Public Property

**Existing Use** 

Parking Structure

#### **Proposal**

The applicant proposes the installation of a new vertically oriented wall sign. There is currently a parking entrance sign on the structure on the north elevation. The existing "Green P" sign will be removed from the building.

#### Signage

The total linear building frontage is 195 feet permitting 195 square feet of sign area. The proposed projecting sign measures 21" x 144" or 21 square feet in area per side for a total of 42 square feet of sign area, which conforms to the provisions of the sign ordinance for public property districts with respect to vertically oriented wall signs. In accordance with Section 86-28(5) of the revised sign ordinance, the HDDRC may allow a vertically oriented wall sign if the sign otherwise meets the provisions of the wall sign chapter.

The signage will consist of two internally illuminated 21" painted aluminum cabinet signs with 12 inches between the sign faces. The sign construction will consist of "Ivory" Plexiglas, "White" lexan acrylic, and "Gold" vinyl sign faces. The applicant must provide color specifications for the Ivory, White, and Gold colors used in the sign. The sign will also feature black and black spruce accent striping for the body of the sign. The Planning and Engineering Divisions have provided the sign manufacturer with the specifications for Black Spruce. The sign will be bolt mounted to the building façade. The sign reads "P-logo Parking, Full, 1st two hours free." The wording "full" can be illuminated for informational purposes.

#### Illumination

The lighting proposed for the sign is internal florescent, which conforms to the provisions of the sign ordinance for commercial and office districts. However, the applicant must provide wattage specifications for the lighting.

#### Recommendation

Generally, the proposed signage is in keeping with surrounding architecture and the overall character of the North Old Woodward commercial district. The proposed sign provides better directional visibility for patrons wishing to use the parking structure. However, there should be an overall design plan for the City parking decks. As the City and the Planning Division move forward with the Wayfinding recommendations of the 2016 Report, the HDDRC may wish to suggest that a comprehensive parking structure sign plan be developed. Additionally, the Commission may wish to clarify whether or not the proposed sign is part of an overall sign design for city structures.

When reviewing the project against the standards of Section 86-3 of the City of Birmingham Sign Ordinance, staff makes the following observations:

- 1. The appearance color and texture of the sign materials being used will likely preserve and not adversely affect property values in the immediate neighborhood. The sign will likely reduce confusion regarding the location of the entrance to the structure.
- 2. The appearance of the building exterior with the signage will not detract from the general harmony and compatibility of existing buildings in the immediate neighborhood. The sign is well suited for the neighborhood. The Commission may wish to request a more liberal use of Black Spruce Green as opposed to striping.
- 3. The building exterior with the signage is not offensive or otherwise garish in appearance.

The Planning Division recommends that the Commission consider a motion to approve the sign review application for "N. Old Woodward Parking Structure" 333 N. Old Woodward subject to the following conditions:

- 1. The applicant is required to provide color specifications for the sign materials.
- 2. The applicant is required to provide wattage specifications for the lighting.
- 3. The applicant should address the parking structure sign design issue.

Historic District and Design Review Commission Minutes of April 5, 2000 Page 6 of 10

Motion by Ms Stone

Supported by Mr. Jickling to approve as submitted for 333 N. Old Woodward.

Motion carried 5-0.

Ms. Stone thanked Mr. O'Meara for his involvement with the lighted pedestrian crosswalk at N. Old Woodward, and she heard there are some great designs for the north part of N. Old Woodward.

#### 04-28-00

SIGN REVIEW

1603 E. Fourteen Mile - Busy Body Home Fitness

Mr. Sabo explained the applicant proposes the installation of a new name letter wall sign for the eastern most tenant space fronting on 14 Mile Road. The total linear building frontage is 55.4 feet permitting 55.4 square feet of sign area; 46.75 square feet is proposed in sign area. A sign band for the building has been defined as between the top of the windows and the eave.

The signage will consist of two internally illuminated channel letters, 16 inch and 12 inch. We don't have specifications for the red vinyl; Allied Signs can provide that. Illumination is 6500 white neon with a 30MA transformer. The sign will read "Busy Body (logo) Home Fitness".

The recommendation is still for the owner of the property to develop a general sign design plan. This was discussed at a previous meeting.

The recommendation is a motion to approve with the condition that the applicant provides color specifications for the sign materials, and addressing the issue of a sign design plan.

Mr. McDaniel asked Mr. Sabo what good a sign design plan would be in this case. Mr. Sabo responded if there is sign design plan in place, there could be all channel letter signs on that building. Mr. von Staden said given some of the problems experienced in terms of businesses changing and façade repairs, a standard may be set for how things are attached to a building. It could be in such a way so as not to cause much damage to the facade. This may be something the Planning Board needs to deal with; by the time it reaches the HDDRC, it's too late. The Planning Board should be looking for some kind of sign area that can be re-signed over and over again and can be repaired and painted—set up an easily repairable sign band area.

02-17-00

HISTORIC REVIEW 215 N. Old Woodward

Huston Building Landmark - "McInerney and Remick Antiques"

The applicant proposes the installation of a new name letter sign. The existing "Cristions" name letter sign will be removed from the building. The signage will consist of two letter sizes, 13.56 sq. ft. of sign area. The main copy is 9-in. black compressed foam lettering and reads, "McInerney and Remick." The secondary copy lettering is 2 1/4 in. burgundy compressed foam lettering and reads, "Antiques - Accessories."

Mr. Sabo indicated that manufacturer's specifications would be needed for the burgundy color. The sign is in keeping with the surrounding architecture and character of the Historic Central Business District. He noted the commission might wish to request that building facade repairs be completed prior to a motion for approval.

Discussion brought out that the "Cristions" sign could be administratively approved once it is moved to the store just to the south. The commission discussed the proposed sign with Ms. Heidi McInerney, the business owner. Mr. Jiekling observed that the overall dimensions of the sign are needed on the drawing. Chairman McDaniel added it is helpful as part of the presentation to know how the sign is mounted.

Motion by Mr. Jickling
Supported by Ms. Rowbottom to approve the sign. Specifications on the small lettering are needed and the facade is to be repaired after the "Cristions" sign comes down and before the new sign is affixed.

Motion carried 7-0.

02-18-00

SIGN REVIEW
333 N. Old Woodward - "North Old Woodward Parking Structure"

The applicant, Advisory Parking Committee ("APC"), proposes the installation of a new vertically oriented wall sign. There is currently a parking entrance sign on the structure on the north elevation. The existing green "P" sign will be removed from the building.

The signage will consist of two internally illuminated painted aluminum cabinet signs with 42 sq. ft. of sign area. The sign construction will consist of ivory Plexiglas, white lexan acrylic, and gold vinyl sign faces. Color specifications are needed. The sign will also feature black and black spruce accent striping. The sign reads "P-logo Parking, Full, 1st two hours free." The word "full" can be illuminated for informational purposes. Specifications for the lighting are also needed.

Mr. Sabo described the sign as generally in keeping with surrounding architecture and overall character of the North Old Woodward commercial district. Parking decks within the City are zoned PP, Public Property. He recommended that as the City moves forward with the Wayfinding project, the HDDRC might wish to suggest that an overall sign design plan be developed for the City parking decks.

Mr. Jickling commented the bottom cabinet might end up being a place for birds to build their nests.

Mr. O'Meara explained the purpose of the individual signage was to have the ability to remove the second sign in the future if necessary, and also to add architectural interest. The APC is concerned that when the Palladium is constructed, additional parking may be needed. Their intent was to add signage in order to pull in people to that structure. At this point the committee has not talked about whether the signage should be extended to other buildings.

Mr. von Staden initiated discussion to the effect that a Wayfinding policy needs to be set for all of the parking structures. He feels the sign that this commission approves should be a prototype for the other structures. Additionally, Mr. von Staden described the safety issue that exists when cars are exiting the North Woodward structure. Frequently drivers do not look to the south to check for pedestrians. Mr. Jickling thought the deck number should be identified on the sign and also noted that generally, parking signs are green. Ms. Stone felt the sign should be simplified, as it is difficult to read. The other commissioners echoed that thought. Ms. Rowbottom suggested removing the word "first" from "2 hours free." Mr. Horton thought "Park" would be simpler than "Parking."

Mr. Dave Hanna, Planet Neon Sign Systems of Novi, explained he needs to design the sign so that "full" is not visible unless it is turned on.

Mr. Stuart Laidlaw spoke from the audience to clarify that exposed neon would not be allowed. Also, he quoted JJ & R design specifications from 1988 for the parking structures. He recommended that the City be encouraged to move forward with its Wayfinding signage system.

Mr. Keith Vosburg, representative from the APC, clarified this signage is not meant as an overall

prototype for all of the decks. It was the consensus of the discussion that followed that there are a number of design issues that have been identified tonight that need to be considered. If those issues are satisfactorily addressed and the sign is brought back for re-submission, the commission would approve it as a one-time sign. Mr. Vosburg agreed to take back to his board all of the comments that were made this evening and then work on modifying the design.

Motion by Mr. Jickling Supported by Ms. Rowbottom to table this item to a future meeting.

Motion carried 6-1.

#### 02-19-00

## APPROVAL OF MINUTES FROM THE REGULAR MEETING OF JANUARY 5, 2000

Mr. McKeon said on page 1, Mr. Gary Pirelli should be identified as to his role. Further down, "... Move it back to the right" is not specific.

Additionally on page 1, Chairman McDaniel inserted "design" after "facade" in the last line.

Mr. McKeon deleted the second "asked" in the first line on page 2

On page 3, last paragraph, third line from the bottom, Chairman McDaniel inserted "which" in front of "cannot." He added that the full paragraph at the bottom of page 5 doesn't make sense and asked staff to fix it. On page 10, "Narvest Bread Co." should be "South Adams Commons." He asked that this item be put on a future agenda along with color samples. Mr. McKeon explained the colors are not being used in a manner that he recalls the board approved.

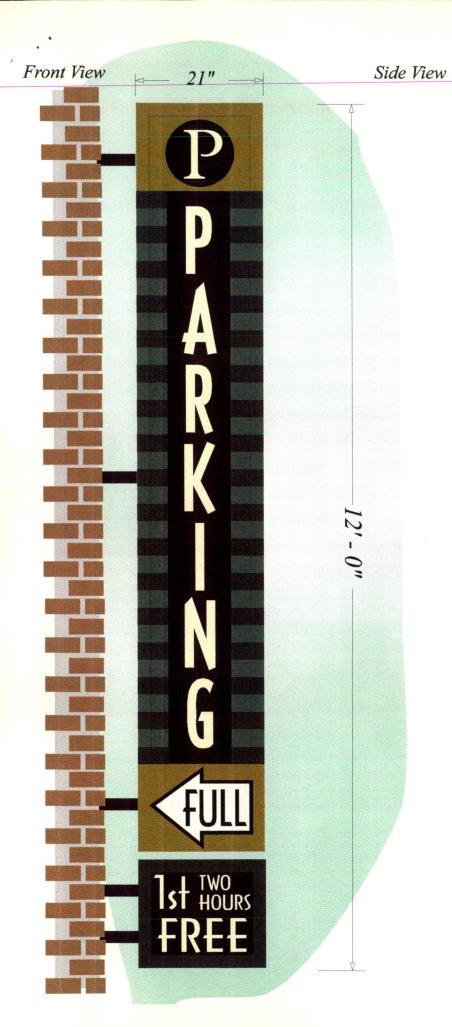
Motion by Ms. Stone Supported by Mr. von Staden to approve the Minutes of January 5, 2000 as amended.

Motion carried 7-0.

02-20-00

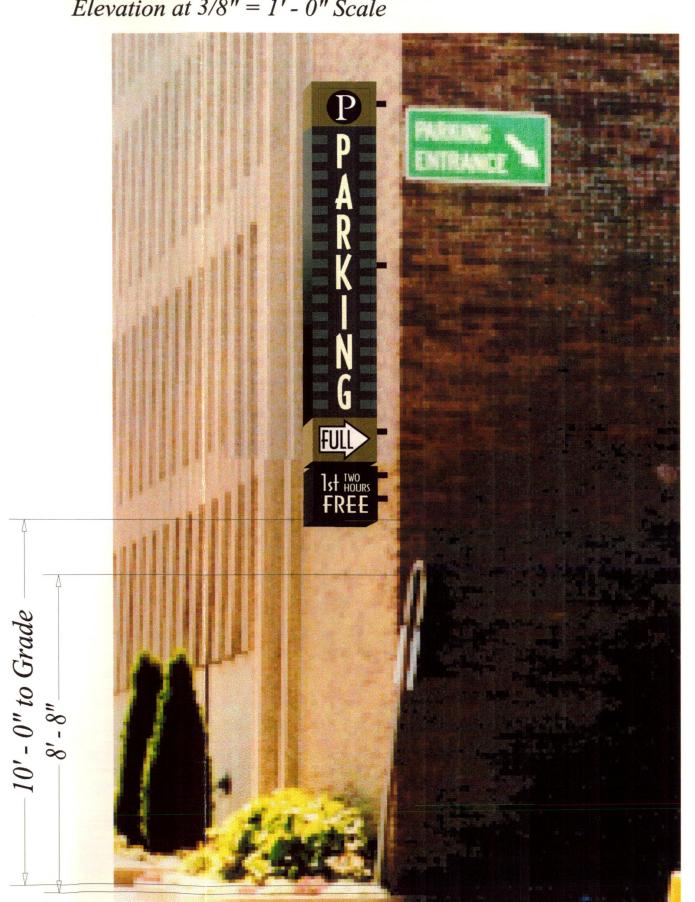
## APPROVAL OF MIXUTES FROM THE REGULAR MEETING OF JANUARY 19, 2000

Mr. Jickling initiated discussion about the first motion on page 3. Chairman McDaniel was quite sure the approval was subject to Board of Zoning Appeals approval. The consensus was that the wording of the motion should be changed.



Elevation at 3/8" = 1' - 0" Scale

<-12"->



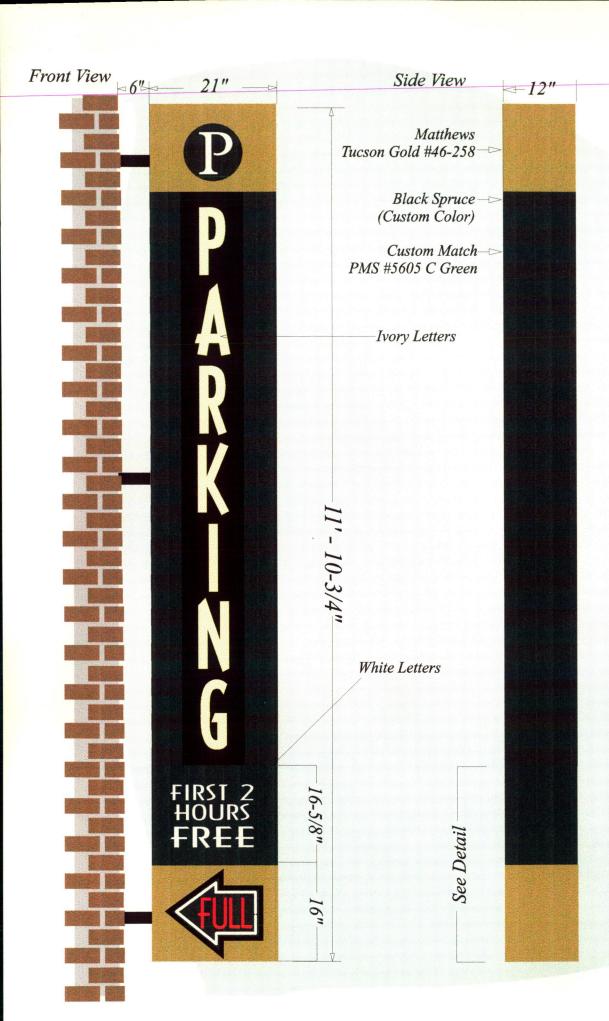
Qty: 1 21 SqFt Total 3/4" = 1' - 0" Scale

2 Illuminated Projecting D/F Wall Signs with Lexan Faces Opaque Face Backgrounds and Transluscent White Letters

'FULL' Area of Parking/Full Sign: Illuminated Capsule with Independent On/Off Switch

Colors TBD

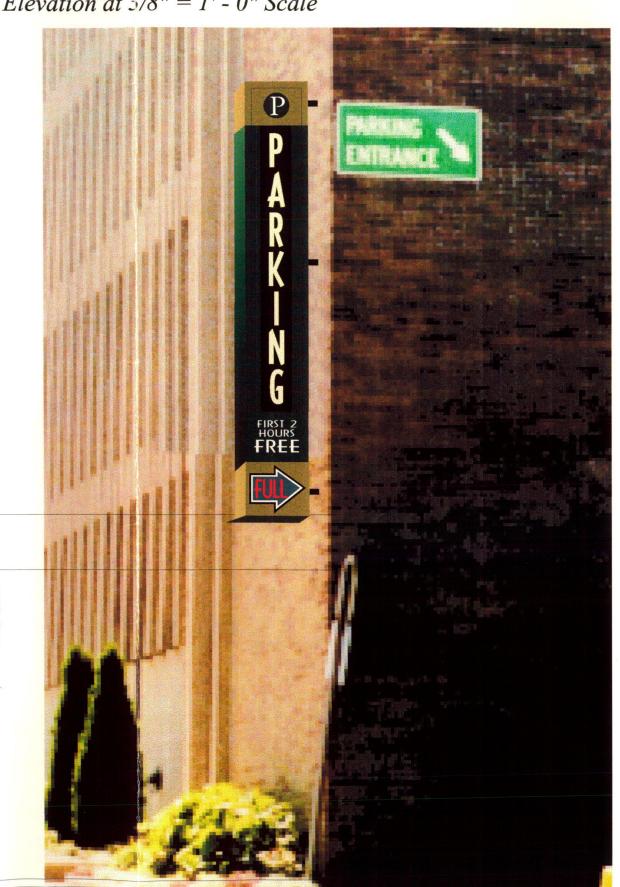




Elevation at 3/8" = 1' - 0" Scale

10' - 0" to Grade

8'-8"



Qty: 1 21 SqFt Total 3/4" = 1' - 0" Scale

Illuminated Projecting D/F
Wall Sign with Routered Faces,
Opaque Face Backgrounds with Transluscent
Ivory Letters

'FULL' Area Of Sign:

Illuminated Cabinet with Routered Face, 6500 White Neon Arrow and Clear Red Neon 'FULL' (10mm) Letters Behind Clear Plex Face Insert with 3M Diffuser Day/Night Vinyl Film #3635-91 Applied 2nd Surface

Colors Noted on Drawing Details



190 Willits		• 100'S	1 \$1 cay 2 4 8 8 8 \$ 6 \$ 6
House No.	Street	(Account 11R1320)	
1107-77  Permit No.	August 11, 1977	Re	ceipt <b>N</b> º 38295
	ED PAID BY CITY TREASURER	<del>-</del>	Inspection Department y of Birmingham
	<b>DEMOLIT</b>	ION P	ERMIT
The Department of	f Inspection Hereby Grants Permission	···	
Capital Wr PO Box 165 Southfield		on the applic	pose of doing the work as described cation and placed and placed and placed and placed and this Permit Number, at the location
Tel. No. 353-9272		EST.	COST \$ 2000.00
DESCRIPTION OF WORK:	Wreckin	ng - Building	
LOT NOSU	BDIVISION		
AND .	Jacobsons Birmingham, Michigan	PENA	LAR FEE LTY FEE CHECK FEE TOTAL FEE \$ 5.00
		K.A. Kasmussei	n/ <b>BB</b> ing Official
THIS PERMIT ISSUED ONLY FOR THE SERVICE INDICATE  REFRIGERATION		Electrical Building ELECTRICAL	HEATING
	1		0
New ☐ Alter ☐ Replace ☐  CLASS	New Alter Replace Water Closets	New ☐ Alter ☐ Temp. ☐ Repr. ☐ Service Size:Amps	
Res. D Comm. D Ind. D	Bath Tubs	Fixtures	TYPE
System SizeH.P.	Lavatories	Sub-Panels	New Conv. Repl. C
Self-contained ☐ Remote ☐ REFR. GROUP 1 ☐ 2 ☐ 3 ☐	Sinks Water Heater	Total No. of CircNo. of Circ	FLUE Type "A" [] 'B" [] "C" [
Refr. Nolbs. Refr. Chg	Laundry Tubs	ft. of	
SYSTEM: Make	Showers	Range	Gos [] Oil []
Model	Garbage Grinder	Water Heater	METHOD
Testing Lob:	Stack • Waste	Dryer Air Cond.	Steam  Hot Water
SIGN	Sump	Furnace	Warm Air ☐ Electric ☐
TVOE	Floor Drain		Unit Make
TYPE Biliboard □ Grnd, □	Crock To Iron	MOTORS & POWER UNITS	Unit Model
Marquee Roof Wall	•	No. Type HP-KW Volt Ph	BTU Input
Proj. □ Temp. □  SIZE:			BTU Output
Electric □ Non-Elec. □	Sanitary Sewer		OIL TANKS
Materials: Metal ☐ Wood ☐ Plastic ☐ Glass ☐	Water Service		Inside □ Outside □ Above Ground □ Below Ground □
BUILDING			Above Ground El Below Ground E
WRECKING	717	nooled no Dest 1 de	
MOVING	1 /	ecking Building	
SWIMMING POOL Const.	<del>  </del>	BURNING ON SITE	
Oper. 🗆	<u> </u>	(DESCRIPTION OF WORK OR REM	MARKS)
LOCATION —		DATE	PERMIT NO.

- ·	
City of Birmingham Building Inspection Department	Date July 28, 1977
Bulluing Inspection Department	Building Permit#
he-	EIVED
Application is hereby made for a permit to CONSTRUC	T ENGARGE ALTER REPAIR
IMPROVE or CONVERT a building or structure on the p	rgneft ndescribed herein:
LOCATION: STREET & NO. 190 MILLITS	lun .
LOTSUBDIVISION	
NAME OF APPLICANT: CAPITAL WRECKIN	(Prone 353-9272
ADDRESS: PO BOX 165 ST	<u>CLD</u> // (City)
NAME OF HOMEOWNER: JACOB SONS	
ADDRESS: DIAMING-HAM (S	treet) (City)
Applicant's ESTIMATED VALUE of the proposed work Type or kind of Occupancy General Type of Construction	DOO
Water Size Meter Size Sewer Size	REGULAR FEE
meter bize Bewer bize	PENALTY FEE
	PLAN CHECK FEE
DESCRIPTION OF WORK: Describe and identify in detail:	TOTAL FEE 5.00
J JEMOLITION	
\$100,00 Cash Done	
\$ 100.00 Shut-of	
I hereby certify that the proposed work is authoriz	ed by the owner of record
and that I have been authorized by the owner to mak	e this application as his
authorized agent.	
SIGNATURE OF OWNER OR AGENT Apilal Weeken	glo. Suc
License No. by	Title

APPROVED BY

1827

DATE



Metro Region: 4600 Coolidge Hwy, Royal Oak, Michigan 48068

July 26, 1977

Capitol wrecking Company F. C. 30. 3 southfield, MI 48037

The roll ing gas service(s) have been physically retired at the gas main:

Wil s. Sirmingham

If you require any further information or assistance, please  $c\varepsilon ll$  us at any time.

7.7.3hid

F. L. Sheets Region Gas Operation and Maintenance Superintendent

Customer Telephone Inquiries:

Customers east of Inkster Road call 313 549-5000 Customers west of Inkster Road call 313 427-5700

## BUILDING INSPECTION DEPARTMENT

CITY OF BIRMINGHAM

No	13-	-66	

## APPLICATION FOR PERMIT

1 41-5-			<ul> <li>Birmingham, Mich.,</li> </ul>	/ / / )	<u>عا 19عا</u>
To: ALTER			J		· · · · · · · · · · · · · · · · · · ·
MOVE					
WRECK	1				
· · ·				•	
Type of Building	yr try ROL	<u>ــــــــــــــــــــــــــــــــــــ</u>			
$\mathcal{A}$	<b>.</b>	Fireproot, Pro	otected, Mill, Frame, Brick Ven	eer, etc.	
C1033	229 ri2	Cha	racter of Occupancy	terreghe	<u> </u>
Public, Instit	utional, Residential, Busin		11 1	Store, Apertment, Resi	dence, (2-family), etc.
Building Located	Vorth	_Side of	rillote	No.	170
2.4	North, E. W. or S.	~ <del>/</del>	Street		House No.
Between // 少ら口	ward &	13 ates	_and	·	
	Street	•		T 10 Street	77
Lot	<u> </u>		-	1 P H =	
No.			Subo	livision	•
Heat		Concrete Ble	ock Manufacturer		
100	a			_	1 /
Applicant C	100 an	<i>U</i> 4		<i>Q</i> 33	6 Laks
	Name	7.		Address	-
Owner	<i>i.</i> (	4		•	
41	Name	j		Address 7	/
Remarks: //orih	S forme.	house	Julian a	20 20CG	Hon
	7	<b>&gt;</b>	1/41.		
15 0x	The S	om-e	Lot This	PERMIN	COUBAS
		<u> </u>		<i>f</i>	
France	<b>A</b> .		to Deage	7	
FOUNDALION	AND HOL		N DEposit	METOINED)	
FOUNDALION	<b>A</b> .		o DEposit	7	
Foundation 4/2	AND MOC	ing (x	Basement	METOINED)	Sec 104.7
Foundation (we	AND MIC		Basement	WallsThickne	
Foundation / was	AND MOC	Pier Foot	Basement	WallsThickne	Sec 104.7
Foundation (we	AND MIC	ing (x	Basement	WallsThickne	Sec 104.7
Foundation / was	AND MIC	Pier Foot	Basement	WallsThickne	SEC 109. 2
Foundation Was Sewer Size Tap	A A B A A A A A A A A A A A A A A A A A	Pier Foot Size Tap	Basement Roofing Material stories;	WallsThickne	SEC 109. 3
Foundation Was Sewer Size Tap	MAD MODELLINGS Water  ding \$ 3500	Pier Foot Size Tap ft	Basement Roofing Material stories;	WallsThickne	SEC 109. 3
Foundation We Sewer Size Tap Building X Estimated Cost of Building	MAD MODELLINGS Water	Pier Foot Size Tap ft	Basement Roofing Material stories;	WallsThickne	SEC 109. 3
Foundation West Sewer Size Tap Building X Estimated Cost of Building Attached	MAD MODELLINGS Water  ding \$ 3500	Pier Foot Size Tap ft	Basement Roofing Material stories;	WallsThickne	SEC 109. 3
Foundation We Sewer Size Tap Building X Estimated Cost of Building	MAD MODELLINGS Water  ding \$ 3500	Pier Foot Size Tap ft	Basement Roofing Material stories;	WallsThickne	SEC 109. 3
Foundation West Sewer Size Tap Building X X Estimated Cost of Building Attached Garage Separate None	MAD MODELLINGS Water  ding \$ 3500	Pier Foot Size Tap  ——ft. ——s	Basement Ings  Roofing Material  stories;  By Department	Wails Thickne  Permit Fee \$  Type and Description	SEC 109. 3
Foundation West Sewer Size Tap Building X Estimated Cost of Building Attached Garage Separate	MAD MODELLE STATES AND	Pier Foot Size Tap  ——ft. ——s	Basement Roofing Material stories;	Wails Thickne  Permit Fee \$  Type and Description	SEC 109. 3
Foundation	Mater	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  LCU. ft. Es't Cost \$	WallsThickne	See 109, 3
Foundation.  Sewer  Size Tap  Building X  Estimated Cost of Build  Attached  Garage Separate  None  Size X  Wide Lor  The work cove  Building Inspection De	Mater	Pier Foot Size Tap	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Conent walls, seco
Foundation  Sewer  Size Tap  Building  Attached  Garage Separate  None  Size  Wide  The work cove  Building Inspection of f	ding \$ 3500 By On	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Conent walls, seco
Foundation.  Sewer  Size Tap  Building X  Estimated Cost of Build  Attached  Garage Separate  None  Size X  Wide Lor  The work cove  Building Inspection De	ding \$ 3500 By On	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Conent walls, seco
Foundation  Sewer  Size Tap  Building  Attached  Garage Separate  None  Size  Wide  The work cove  Building Inspection of f	ding \$ 3500 By 00	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Conent walls, seco
Sewer  Size Tap  Building  Attached  Garage Separate None  Size  Wide  The work cove  Building Inspection Do  upon completion of f must be presented be	ding \$ 3500 By 00	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Conent walls, seco
Foundation  Sewer  Size Tap  Building  Attached  Garage Separate  None  Size  Wide  The work cove  Building Inspection of f	ding \$ 3500 By 00	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Cinent walls, secon
Sewer  Size Tap  Building  Attached  Garage Separate None  Size  Wide  The work cove  Building Inspection Do  upon completion of f must be presented be	ding \$ 3500 By 00	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$  mity with all the city pection, first upon co- final inspection before	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Cinent walls, secon
Foundation  Sewer  Size Tap  Building  Attached  Garage Separate  None  Size  Wide  The work cove  Building Inspection De  upon completion of f must be presented be  Approved:	ding \$ 3500 By 00	Pier Foot Size Tap  ft	Basement Ings Roofing Material Stories; By Department  Cu. ft. Es't Cost \$	WallsThickne  Type and Description  By Owner  ordinances and statempletion of basen	By Dept.  By Dept.  andards. The "Cinent walls, second or land contra

CERTIFICATE OF OCCUPANCY MUST BE OBTAINED BEFORE OCCUPYING A NEW BUILDING

August 25, 1977

Memorandum: Finance Department

Subject: Cash Bond Refund

Account #701-000-285

On August 11, 1977 a \$100.00 deposit was made on Misc. Receipt #27298 by Capital Wrecking Co., Inc. to cover the cleanup on the wrecking of a house at 190 Willets. This work has been completed to the satisfaction of this department and a refund in the amount of \$100.00 should be made to:

Capital Wrecking Company, Inc. P.O. Box 165
Southfield, Michigan

Robert A. Rasmusson Building Official

RAR/ef

الله المراجعة الموا September 15, 1977

Mr. Charles E. Johnson D. M. Kitchen Company 1925 Heide Street Troy, Michigan 48084

Dear Mr. Johnson,

At your request I have granted the D. M. Kitchen Company permission to store 40 pallets of brick on the site of the former Baldwin School, for a period of approximately two weeks.

This permission is contingent upon D. M. Kitchen Company placing the bricks in a neat arrangement, and with the understanding that any damages or losses resulting from unloading, storing and loading will be the responsibility of the D. M. Kitchen Oc

Very truly yours.

J. H. Purkiss Jr. Acting City Manager

cc: Birmingham Police Department Building Inspection Department

City of Birmingham Michigan

## Water Service Permit No. 193Date 10-29-56c

Nº 57534

Location 190 Willits	between and
Lot No	Subd
Owner or Builder Beny Flowers	
Address Same	71R443 Service Connection Charge . \$ 24.00 ]
Premises used for	
Type of Street Surface	
Size of Tap	Total \$24.00
Sewer Service No. if in same trench	If parital payment, note amount paid here \$
New Scivice Replacement	ter Service and agree to comply with all the rules and regulations of the Water and City Ordinance No. 236 as amended.
Fee for Water Construction entitles property to water for 3 months.	Bany Flower's Owner Agent
Approved	, 19

190 Willits		,	272-67	· **	The second secon
House No. Street		Pe	rmit No.		
Banny Flower	5 b	12-11-67	Receipt	Nº	56168
Owner's Name				-	_
	CITY OF BIRMING				7.0(
The Building Inspection  Jack Sight	n Department hereby gran B	ts permission to			Н
Name of	Installer	· · · · · · · · · · · · · · · · · · ·	Address		
all the provisions contained Michigan.					# · · · · · · · · · · · · · · · · · · ·
Name of Electr			Address	3.3	F 000
LuxAire	AGI				5,000 <sub>*</sub>
Name of Burner	Name of A	oproved Laboratory		В	vfuqnl .U.T.
Name of M	anufacturer		Address		3
Rough Inspection DEC	<u> </u>			t Fee \$	17.0Ö
Final Inspection	±,19	By			<u>C</u> nas
Jack &	light.	,	Building Inspe	ector	
Applicant's	s Signature		Building Inspe	ector	•
Inspector	This receipt not valid until sta	mped PAID by City Tre	easurer 5	00 G.P. 11/	66 🐠 4

190	Willits	CATA OF EIRMINERAM, MICH. 61	rec. Nº 41257
House No.	Street	Pertuit No.	
Bany	Brothers	19)	10-22-56
Owner's Name		25 OCT 22 1330 -189 No.	Date
by granted approved	to install atank_of	ance No. 184 of the City of Birmingham erican Standard inderground one at the above address inderground that when such installation is a second control of the city of Birmingham inderground one at the above address inderground that when such installation is a second control of the city of Birmingham inderground one at the above address inderground that when such installation is a second control of the city of Birmingham inderground one at the above address inderground one at the above address inderground one at the above address inderground one at the above address independent of the city of Birmingham independent on the city of Bir	State of Michigan, permission is here——Oil Burner in connection with ans.
to the requ	uirements of the ab	ove named Ordinance No. 184, Section 1	1.505.
	installation to be	made by	
	Address		
		ature	
	1 6111111 133064 09		City Clerk
	Installation read	y for inspection.	
	Date of final ins	pection and installation of permanent by	2-56 Ca.
	тад		Inspector

<sup>·</sup> This Receipt Not Valid Until Stamped by City Treasurer.

17	Permit No.
Owner Dany	Address
Kind of Burner	Installed by
Kind of Heating Plant - Hot Air	SteamHot WaterX
Where located in basement	OutsideUnderground
Outside Valves 3/1 feed 4/201	Inside Valves
Constr. supporting tank - Steel outee	Concrete Brick
Size of feed pipe to burner 3/8 c	epper
How are pipes supported	ate.
Size of fill pipe	Height of fill pipe
Size of vent pipe	Height of vent pipe
Is burner electrically operated?	
Condition of wiring governing borner	
Condition of equipment pertaining to gas tra	aps, dampers, etc.
Where are instructions posted?	<i>g</i>
Type of gauge on tank	
Type of fire extinguisher	Where located
Recommendations	
Date of final inspection	256 Can
	Inspector

	NO. 05 Date 0-23-50 Rec. Nº 47313
House No. Street	between 1000000 and 30000
Lot No S	ubd. As 127 Premises used for
Owner or Cary Crothers	Address NOO JANCOO
Type of Cycont	
Size of Service from Property Line to Bldg.	11L-101 Construction of Service §
Water Service No. if in same trench	
Location of Wye	
New Service  Replacement  Inspec	tion only  Storm Sewer  Sanitary Sewer
responsibility. If the City indes this part of the service unouser work will be deducted from fee paid before refund is made	s claim that street part of service is obstructed from onuces within City's ucted and in good condition, no replacement will be made and entire cost of agree to comply with all the rules, regulations and ordinances of the City of
Approved19	Could Owner Agent

NOT VALID UNTIL STAMPED PAID BY CITY TREASURER

Porm O44

House No.

Street

Permit No

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

## BUILDING INSPECTION DEPARTMENT

## BUILDING PERMIT

	В	irmingham, Mich.,	March 16th	1944.
The building Inspection Department hereby grant	,	<u> </u>		
The bunding inspection Department hereby grant	s permission to		Name	
190 Willets	to .	alter	a Bldg	
Address n :	-(1		Store, Residenc	e, etc.
This building to be x x x x	d shall be of ty	e conc.blk	Class t	ousiness
Basement walls and foundation	Roof	Stories	Garage	
9	Assesso	r's Plat No.	27	
City of Birmingham, Mich., and may be revoked a or standards. Certificate of occupancy to be obtained.	may time upon incd previous to	the violation of any or building being occup	f the provisions of sa ied.	id ordinances
Cu. Ft	Es	t. Cost \$100.00	Permit Fee \$	1.00
This acts as a valid receipt when receipted by City	Treasurer.			
Bany Flowers		190 V	Villets	
Owner's Name		· · · · · · · · · · · · · · · · · · ·	er's Address	
REMARKS Build false overh	ang as sho	wn on plans	and as provid	led
in Ordinance 26	8			
N7/Bayra	•		Scott A.	Hersoy
Order or Asset's Claustured				ne Inthector

190	Willits 216	276-46	RECEIPT	No	23412
House No.	Street	Permit No.		74.	AUTIA

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

BUILDING INSPECTION DEPA	13/24 (); ;;	BUILD	ING PERMI
	N 168 8 1	Birmingham, Mich.,	Sept. 12, 1946
The building Inspection Department hereb	y grants permission to	R. F./Bany	
The building Inspection Department hereb	to to	add to	green house.
Address	1		Store, Residence, etc.
This building to be 26' x 15.8'	, and shall be of ty	pe	Class
Basement walls and foundation	Roof :	Stories	Garage
9			
This permit is granted on the express con City of Birmingham, Mich., and may be red or standards. Certificate of occupancy to	voked at any time upon	the violation of any of	the provisions of said ordinance
Cu. Ft	E	st. Cost \$ 700,CO	Permit Fee \$ 1.()()
This acts as a valid receipt when receipted	by City Treasurer.		
Bany Flowers		190 Villits	
Owner's Name		Owne	r's Address
REMARKS Erect green house			
with stucco. (Add	ition to be 26	' x 15.8')	
"SUBJECT	TO FEDERAL RE	GULATIONS" Sco	ott A. Harsey
Owner or Agent's Stangture		*******	Railding Inchestor

INSPECTOR

		*** "	
Location 190 Willets	between	and	- 1
Lot NoSubdivision	Pre	emises used for	
Owner Bany Flowers	Address	(5)	256
Occupant			74
Description of work connecting	ng of furnace,	NAIT. W. C. C. S	
0.0		Find -	
Number of circuits20	Number of outlets	min.	********************
Electrical Code now in force.			
To be ready for Inspection(A.t	D T Tarmon	O Discount Manhalan	
Approved $11/0-1$	5 6 19 R. J. Hawren	O.r.	
Inspected and Accepted 1-2	call 19 R. J. Lawren  5619 F. Van Fle	Deputy City Clerk Ctoron Electrical Inspector	••••••••••••••••••••••
NOT VALID UN	ITIL STAMPED PAID BY CITY	TREASURER	

City of Birmingham, Michigan Date 10-1-56 Rec. NO 97177

#### INSPECTOR

Michigan	। Plumbing Permit No. 294	Date 9-25-56 Rec. No. 48135
Location 190	17177 1 PLY OF BURNINGS	Woodward . Boton
Lot No	Subd. D STREET	Premises used for Bany Flowers
Owner R.E. H	sarty 2 4 1550	Address 190 Willits
Occupant	NAT REC'D S	
Description of wo	rk 1 water heter,	1 floor drain, shower (stall).
Stacks 1	Sinks	Water Inspection
Lavatories 2	Bath Tubs	11R-1321—Sewer Inspection
I hereby app	Laundry Tubs_ ly for the above described Per Plumbing Code now in force.	11R-1322—Inspection Total \$ 10.50 mit and agree to comply with all of the requirements of the
Re	ady now.	No
		Belen ky LICENSED PLUMBER
Rough Inspection		
		DEPUTY CITY CLERK
Final Inspection_		F. Van Fleteren
FORM C46	NOT VALID HNTH, ST	PLUMBING IMPRECTOR  AMPEN DATH BY CITY TOPACTIONS

264.
3-4 /

RECEIPT Nº 22403

This permit conveys no right to occupy any street, alley or sidewalk, or any part thereof, either temporarily or permanently.

#### BUILDING INSPECTION DEPARTMENT CITY OF BIRMINGHAM

## **BUILDING PERMIT**

	Birmingham, Mich.	November 14, 1941
The building Inspection Department here	by grants permission to Robert Be	any
the banding imposion Department nere	of grants permission to	Name
228 Oakland	to construct	a store
Address		Store, Residence, etc.
This building to be 31! x 34! x	101, and shall be of type Business	class
	blk. Roof built up Stories Of	ne Garage none
9,A.P.	Subdivision	
This permit is granted on the express co City of Birmingham, Mich., and may be re	ondition that the said work shall conform to evoked at any time upon the violation of an to be obtained previous to building being oc	y of the provisions of said ordinances
Cu. Ft. 12,000	Est. Cost \$1,00	00 Permit Fee \$\$4.20
This acts as a valid receipt when receipted	· · · · · · · · · · · · · · · · · · ·	
R.E. & R. F. Bany	1/1/2 228 Oak	land
Owner's Name	M. W.	Owner's Address
REMARKS	MCXI.	***************************************
00 112	Md	
Owner or Agent's Signature	( Or ( ) ,	ONE Con La Building Inspector.

190 Willits	1	278-56 Receipt	
House No.		ormit No.	
This permit conveys no right to or temporarily or permanently.	ccupy any street, elley considewall, o	r any part thereof, either	Nº 51669
Building Inspection Described For Building Inspection Department to 190 W1111t.sa	ham 1111 20 1956		DING PERMIT 6-26-56 19
The Building Inspection Department he	ereby grants permission to	Name	
	***************************************	to wreck .	greenhouse
I .	dd;ass	e	Store, Residence, etc.  Class
	Roof		_
9		Schlaack Sub.	
This permit is granted on the express may be revoked at any time upon the previous to building being occupied.	s condition that the said work shall confo ne violation of any of the provisions of Estimated Cost \$	rm to the ordinances and standards said ordinances or standards. <b>Cer</b>	of the City of Birmingham, Mich., and tificate of occupancy to be obtained
This acts as a valid receipt when recei			
Owner's			ner's Address
	enhouse-wreck. Remo	<del>-</del>	or building.
\$50,00 deposite	ed on misc. receipt	#50249•	
Owner or Agen	t's Signature	A. F. Butt/jad	ling Inspector

190 ,Willetts St.	350	256.7 Receipt		
House No.	Street OF BIRE	rmit.No.		
This permit conveys no right to occupy temporarily or permanently.	any street, alley or sidewalk, or	tany part thereof, either	Nº	51741
Building Inspection Depa City of Birmingham	grants permission to W. H.	Birmingham, N	JILDING	PERMIT
The Building Inspection Department hereby	grants permission to	, Stone		
277 N. Bates St.		construct	store	
This building to be 26 x	.x and shall be of type	mėsonry	Sto	sre, Residence, etc. STOPO
Basement walls and foundation 12 <sup>11</sup> E	Block Roof cindr	block plank A. P. # 27	Garage	
Lot No.	***************************************	Subdivision		
This permit is granted on the express cond may be revoked at any time upon the vio previous to building being occupied.  Cubic Feet	lation of any of the provisions of	said ordinances or standar	ds. Certificate of occur	pancy to be obtained
ma	dept.	\$5,000		
Rany Flowers	by City Treasurer.	190 Will	etts St.	
Owner's Name REMARKS: Temporary Perm	nit - Footings and	d basement on	ly <sup>Owner's Address</sup>	
		A. F. Bu	tt i.g.	
Owner or Agent's Sig	nature		Building Inspector	

190	Willits	13 <b>-</b> 66	_ Receipt			
House No.	Street	Permit No.	_ 1.000.161	NTO	25002	
This permit conveys no either temporarily or per	right to occupy any street, allemanently.	y or sidewalk, or any	part thereof, Appl-7-1	<b>N</b> 9 3 <b>-</b> 66	35823	
Building Inspecti City of Bir	on Department <sub>Tel. N</sub> mingham	MT=4-3360 Birmin			PERMIT	
The Building Inspection [	Department hereby grants permi	ssion to Rober	t E. Bany		···	
6336 Lahser,	Blmfd Hills	to _move	No:	green	house	
	Address 11 x 25 1 x, and s			Store,	Residence, etc. ss bus.	
Basement walls and fou	indation Roo	Sto	ories	Garage_		
9			AP #27			
Lot No.			Subdivision			
Birmingham, Mich., and Certificate of occupancy t	n the express condition that the may be revoked at any time u o be obtained previous to buildi	oon the violation of ar ng being occupied.	ny of the provision	s of said ordin	nances or standards.	
Cubic Feet	Estimated Co	st \$ 3500 - ow	ner & Permit F	ee \$ 10 <b>6</b> 0	0	
This acts as a valid receip	t when receipted by City Treasu	rer.	pr•			
Robert E.	Bany Owner's Nome		same	ner's Address		
	greenhouse from	one location			e lot. Thi	. 8
permit covers	the mew foundati	on and movin	g. (No De	posit re	quired -	
12 4	Ban	10.00		Schlos		
Owner	or Agent's Signature		Bullo	ling Inspector		

#### INSPECTION RECORD

Date	7810433 Moles Progress — Crinciscos and Remarks	(* )	( )Inspector
2-8-66		OR	Ris, it
2-8-66 9-29-66	Lind pely	OF	- ES
7			
		. 0 '	00
		1	
			_
	3		
		*.	
		,	
		_'	
	<u> </u>		<u></u>

190	) Willetts		363	-56	uica R	eceipt			
House N		Street	CITY O	BIRWINEBURE	No.	.осо.р.			
	conveys no right to oc r permanently.	cupy any atree	i, alley or	G 1 3 195		of, either		Nº	51754
Ci	Inspection De ty of Birmingh	iam	AMT. REC	TREASU	RER Birm				PERMIT 1956
The Building I	nspection Department he	reby grants perm	nission to	. H. St	one	61			
277 1	V. Bates St.	, Birmi	ngham	to	const	ruct	. 8	tore	
	, b. 110' × 25								, Residence, etc. BUS •
	s and foundation								
	Lot 9			Asse	ssor's	Plat	No. 2	27	
may be revok	granted on the express sed at any time upon the silding being occupied.								
Cubic Feet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Estimat	ed Cost \$	26,000		1	Permit Fee \$	26.00	)
This acts as a	valid receipt when receip	oted by City Tree	asurer.						
Bany	Brothers				190	Will	etts S	t. Bir	mingham
REMARKS:	See Plans	Temp.	permit	issued	previo	ously	f8¥porfr	ööting	s &
	basement (	Permit	350-56)						
					A. F.	Butt	•	i.g.	***************************************
***************************************	Owner or Agent	's Signature		•••	•****	••••••	Building I	nspector	****************************

## City of Birmingham, Michigan

# FIRE DEPARTMENT Bureau of Fire Prevention PERMIT

Nº 83181

	PERMII
Fee \$5,00	Date10-22-56
190 Willits	er Fermit No.
Street and Number	
All installations and operations undo dinance No. 185 of the City of Bi	er this permit shall conform to the requirements of Or- irmingham.
The Bureau of Fire Prevention hereby gran	nts a permit for:
The use of explosives	
The installation of tanks for flammable	e liquids
(Name of liquid	
The installation of Dry-Cleaning or Dr	ry-Dyeing equipment
The installation of Refrigeration equip	pment
	al. capacity underground storage tad
F Branches La stor at 1	
lenky Brothers granted to	3406 12 Mile. Adderkley
6	
Bany Brothers of premises	Address
ermit includes	
CLERK'S COPY	Shirley Fawcett Cl

If the permit as described on the reverse side is for the installation of tanks for flammable liquids, the following will pertain:

1. All permits issued for installations within the business and industrial areas and for public buildings, except above-ground tanks which are connected to and used only for fuel oil burner operation will be checked by the Burcau of Fire Prevention.

2. All permits issued for installations within the business and industrial areas and for public buildings which are connected to and used only for fuel oil burners will be check-

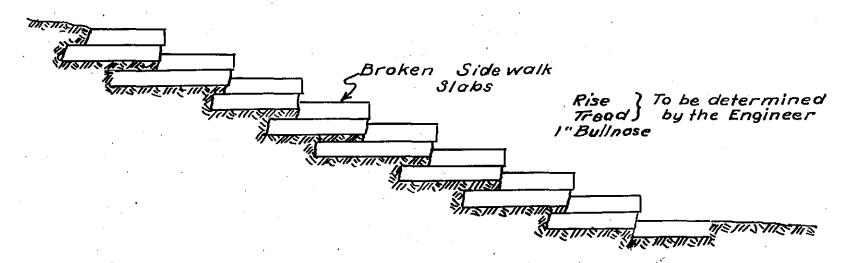
- ed by the Building Inspection Department.

  3. All permits issued for installation of tanks containing fuel oil and other liquids having a flash point above 100 degrees fabrenheit in the residential area will be checked by the Building Inspection Department.
- 4. All permits issued for installation of tanks containing liquids having a flash point below 100 degrees fahrenheit in the residential area will be checked by the Bureau of Fire Prevention.

190 Willits			
House No,	Street	(Account 11R1320)	
1107-77	August 11, 1977	Receipt <b>N</b> °0	38295
Permit No.  NOT VALID UNTIL STAN	APED PAID BY CITY TREASURER	Building Inspection City of Birmin	•
	DEMOLITICA	PERMIT	
Capital 1	t of Inspection Hereby Grants Permission to Trecking Co., Inc.	For the purpose of doing the on the application and plans so on file bearing this Permit Num designated.	bmitted and placed
Tel. No. 353+031	<u> </u>	EST. COST \$ 2000	.00
DESCRIPTION OF WORK:_	Vrecking - I	vilding	AT
LOT NO	SUBDIVISION		
OWNER'S NAME ( •	Jacobsons	REGULAR FEE PENALTY FEE	
AND ADDRESS •	Birmingham, Michigan	PLAN CHECK FEE	
ADDICESS (		TOTAL FEE	\$ 3.00
FILE COPY		ISSUED BY	
LIFE COLIA	•	Building Office	

## REIMFORCING STEEL SCHEDULE

OCATION	٧º	Unit		TAL LEN						1/SCE
Size	Pcs	Length	3/8" \$	1/2" \$	48.4	74"\$	₹8''\$	1" ø 1	*9 Wire	Cu.Ft
ooting-Bottom Trans	160 56	7º0" //-0"			616.00				· .	
Top Transy.	190	8-64"			976.00	1622.92	<del></del>		-	
10 10	64	11-2"		· .		714.67	7			
Dowels	32	3.4"		106.67			1504			
Horizontol	254 22	6-0" 3/-5"			691.20		1524.00			
Diagonal	4	<i>"-3</i>		43.20	00000	45.00				
	4	12-5		#\$ \$ 1. E. E.		49.67				
	8	/3-0		10430		104.00	;			-
	4	7-6		104.00	<u> </u>	<u>30.00</u>				
butments - Horiz.	52	31-5		1633.67		46.67				
" Face Vert.	44	16-10		740.67	<del></del>					
. /1 **	16	17-10		285.33			: :			
Rear Vert.	16	16-2					258.67	·		
77	16	/5-8 7-2		114.67	-		689.33			
Тор	44	6-2	<del></del>	27/.33	,					<u> </u>
Lip	24	4-10		116.00		· · · · · ·	1.			
	88	3-10		337.33/				1		
Pailing - Posts	24	8-10	, <u>//</u>	212.00	120.00		<u> </u>			
·	16	8-3	· · ·		/32.00		. 1		42	
<u> </u>	16			<u> </u>					47	
Anchor Plates	16	56× 12×1-2"			,	<u>, , , , , , , , , , , , , , , , , , , </u>	-:			-/4
	16	78×134×1-6								./6
eck-Roodway Long.						<del></del>		20.4.0		
<u>a</u>	21	/4-6" 23-0"		<u> </u>	· · · · · · · · · · · · · · · · · · ·		506.0	304.5		<del></del>
<u>6</u>	22 22	20-0	<del>                                     </del>				3	440.0		
d d	22	29'-7"					650.83			
e	21	19'-6"						409.50		
f COM III	22	28'0"			un juli	100-		616.00		
S.Walk-Long. g	10	1.8-0" 22-6"	<u> </u>			180.00	<del> </del>			
<u>h</u>	10	13'0"	<b> </b>			/30.00			<del></del>	
- J	10	29'-4"			_	293.33				
m	10	28'-4" 20'-0"	- I		معروب والمعاود	293.33	200.00			· ·
Rdway Tronsv.n	32	20 <b>-0"</b> 37-70	1018.67						•	
	14	21-6½ 21-6	301.60						,	
<u> </u>	30	3/-7	947.50		<u> </u>			·		
Curb - Horizontal	2	28-2		<i>5</i> %.33						
·· Dowels	170	3-2		538.33						
itirrups- Roodway	240	2-3-	Harman - / the rest and and		<u>ari i in egyan medi an ina</u>				550.00 219.00	<u>-,,,, ,,,,,</u>
Sidewalk Ving Wall- Footings	128	1-81		:					219.00	
Sec A-A, Bot Trans		7-7			<del></del>	:	182.00			
	8	10-6					84.00			
·· ·· TopTransv		7-10				188.00				
	12	10-5			. 19 /7	125.00	<u>'</u>	,		<del></del>
Long. Bottom	4	<i>4-8</i> 7-7			18.67 30.33		- H			
	12	4-6	<del></del>		54.00					
Тор	4	6-0			24.00					
·	4	9-0		·	36.00	<u> </u>	t i		·	
	8	4-6		<u></u>	36.00	-		246.00		
Dowels Sec BB Transy. Bot	36	4-8	<u> </u>		56.00	)		24.5.00		
CEC NO 11 CHIST. CO.	12	6-92			81.50					
Тор		5-11			142.00					
	12	6-93			81.75		. :			
Longit.	24	5-8 5-0	<u> </u>		136.00	180.00	<del></del>			
Sec CC Transv. Dotto	36	4-10	77.33							
	12	2-9	33.00		<u></u>		:			
Top	28	4-11		137.67						
Longit.	20	5-8	ļ	1/3/33	<u> </u>		1	<u> </u>	<del> </del>	
Dowels SecAA Vert. Face	20	3-8 /4-4	1	205.33	<u> </u>	<del> </del>		<del> </del> -	<u> </u>	
SecHR Vert. Face	12	13-5			<del>                                     </del>	161.00				
	8	6-8				53.33		` `		
	16	4.8		6	ļ <u> </u>	74.67				
Horizonia	24	16-2		905.33 256.00		<del> </del>	- 1	<u> </u>		
	32	4-72	<del>                                     </del>	148.00		<u> </u>	1			
Sec B.B - Vert. Face		10-4		248.00						
" Rear	12	9-6		114.00						ļ <u>-</u>
· · · · · · · · · · · · · · · · · · ·	12	4-10	<u> </u>	58.00	<u> </u>			<del> </del>	1	<del>                                     </del>
Sec CC - Vert Read	12	3-9 <sup>-</sup>	117.33	45.00	1		-	<del></del>	<u> </u>	
Sec UC - Vert. Real		7-4	117.00	186.00			:	<del> </del>	1.	
A Rear	12	2-8	32.00							
		included	in Br		Cont	ract)			<u> </u>	
Footings	36			117.00		<del>                                     </del>	-	<del>                                     </del>	<b> </b>	
	36 32	7.0 8-6	<u> </u>	252.00			1	<del>                                     </del>		
Deck	10		<del>                                     </del>	2,4,00	<u> </u>		268.33	3		
Abutments	61			116.50						
	2	15-0		30.00	/					ļ
	2/			31.00	)	1	: :		1	<del>                                     </del>
	2 .			31.67		<u> </u>	# 1	<del>  -</del>	<u> </u>	
Bridge Tal-1	<b>2</b> M		1	32.83	<del>                                     </del>		1			
Bridge Total	<u> </u>	* £	2871.43	711566	32554		4094183	2016:00	858.00	) ,3
Total Lbs.	1-		1079.66	4753.20	3395.4	6783.9	3 8369.83	5382.72	502.79	150
	T'''		1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			36	, ,	
	,		<del></del>		+	T		1		1
Sewer Bridge Tor Total Units	als			883. a			268.3			<u> </u>



SECTION THROUGH STEPS No Scale

## CONSTRUCTION NOTES

- 1. 3000 Lb. Concrete shall be used in abutments, deck, wing walls, side walks, curbs and guard posts.
- 2500Lb. Concrete shall be used in footings
  2. Excavations for Footings shall be made as near as possible to dimensions shown on plans and the excavation shall be filled to grade with concrete
- without additional forming.
  3. All exposed surfaces shall have a rubbed surface finish and shall be free from
- all board and woodgrain marks.

  4. Weep holes, consisting of 4" V.C. Pipe shall be placed at 4'-6" Centers at flow line elevation as shown on plans.
- 5. Excess excavation shall be backfilled with clay in thoroughly compacted 6" layers to the flow lines-of the weep holes, and rising to the rear of the excavation and to the midpoint between weepholes on 2" perfoot grade. Bal-
- ance of excavation shall be backfilled with bank run sand gravel.

  6. The roadway surface of slab shall be given two coats of water proofing approved by the Engineer before placing the surface wearing course, Water proofing shall consist of cut back asphalt as specified in the Michigan State Highway Department 1942 Specifications 6.18.03a.
- 7. The roadway surface course shall consist of a Sheet Asphalt Surface, having a thickness of 2% at the crown and 1¾ at the edges, and meeting the Michigan State Highway Dept. Specifications for "Sheet Asphalt" and shall be applied in conformity thereto.
- 8. All reinforcing steel shall conform to. A.S.T.M. Specifications A 15-35 for Intermediate Grade New Billet Steel. It shall have transverse deformations.
- 9 Where specified on the Plans \*9 Annealed Steel Wire shall conform to A.S.T.M. Specifications A82-34.
- 10. All longitudinal Steel Reinforcing shall be placed symmetrically about the Center line of Roadway.
- II All transverse Steel Reinforcing shall be placed symmetrically about the transverse center of structure.
- 12 Water content of Concrete shall not exceed 6 Gals. per sack of Portland Cement including water in the aggregate.
- 13. Excavation for footing to a greater depth than shown on plans, and not so authorized by the Engineer, shall be backfilled with concrete by the Contractor of his own expense.

P.24.4

CITY OF BIRMINGHAM, MICHIGAN ENGINEERING DEPARTMENT

WILLITS ST. BRIDGE

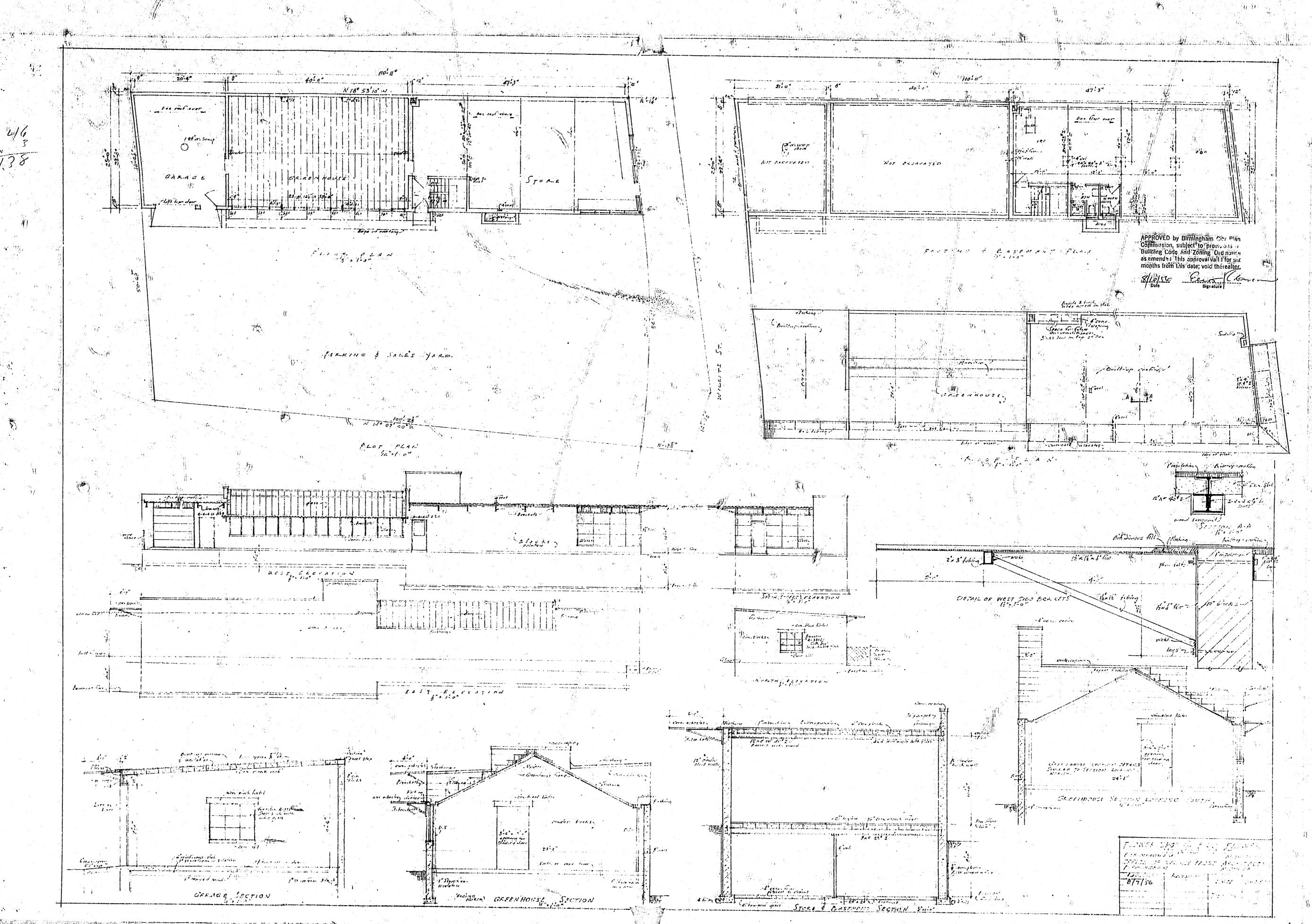
PROJECT Nº 63-C-25-10 ACCOUNT Nº 11A-263-22

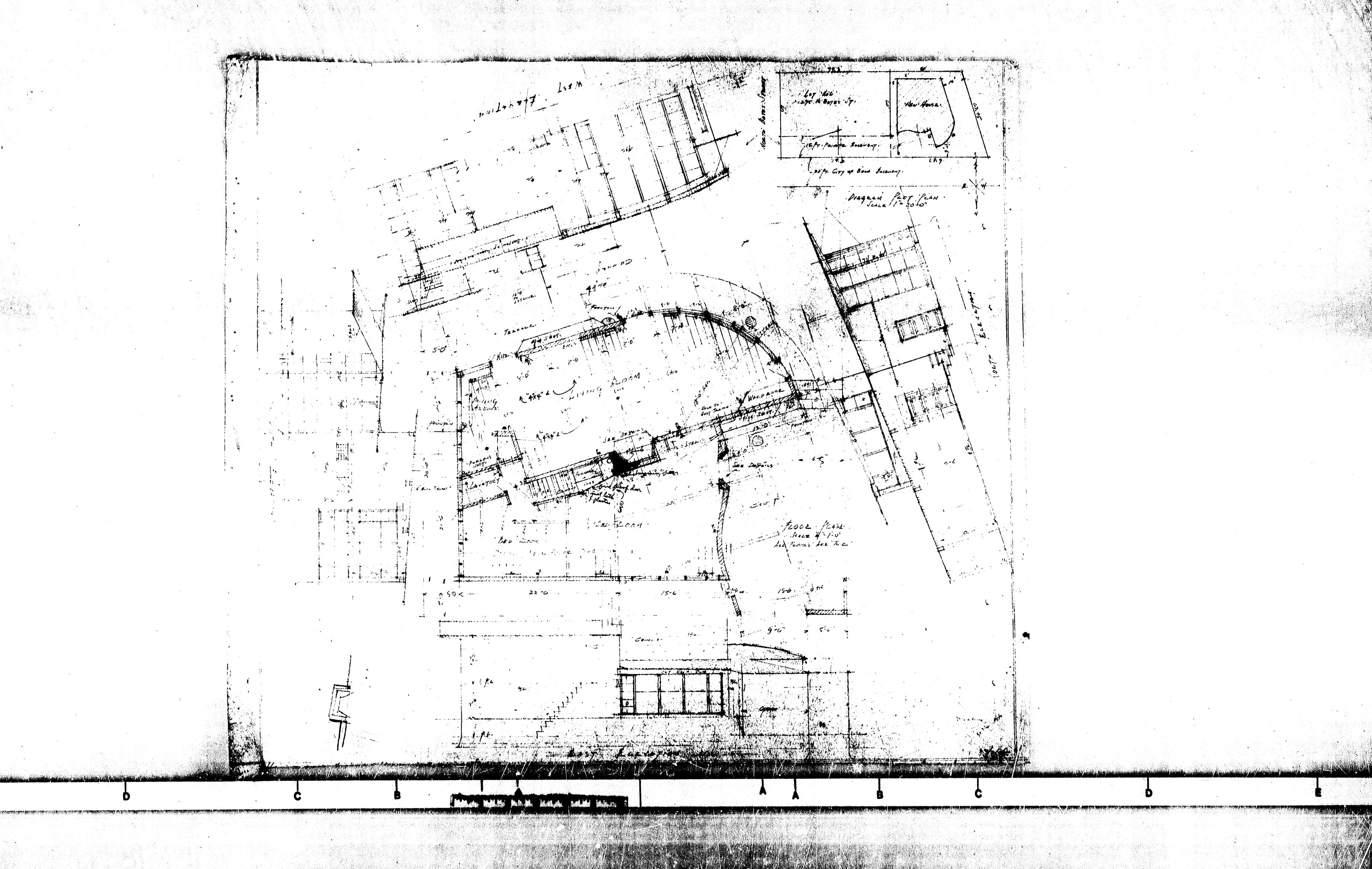
ORAWH BY REL. DATE 2-11-47
CHECKEOBY S.P.C. DATE 2-19-47
APPROVED DATE 2-19-47 SHEE

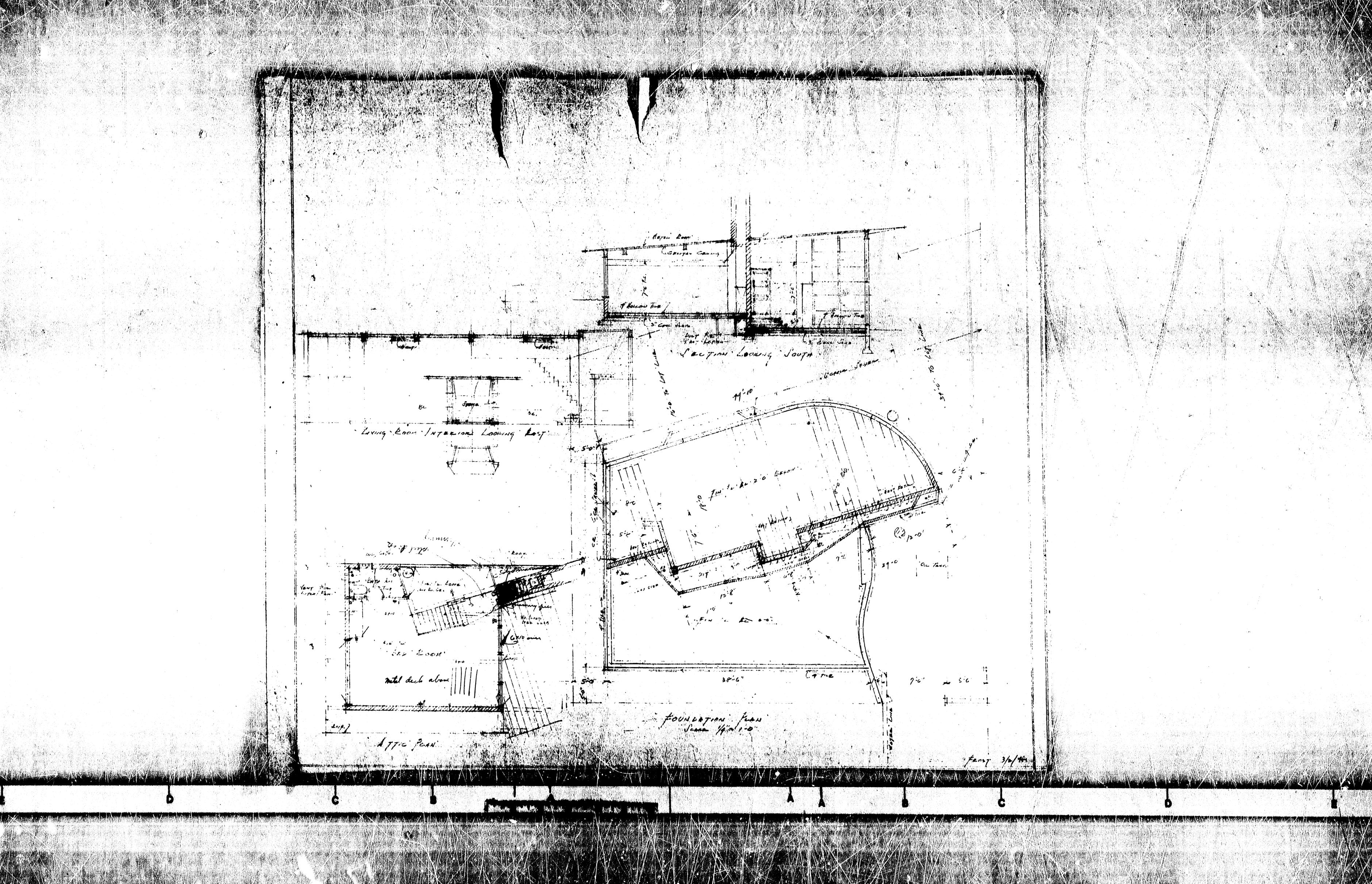
DATE 2-19-47 SHEET 6

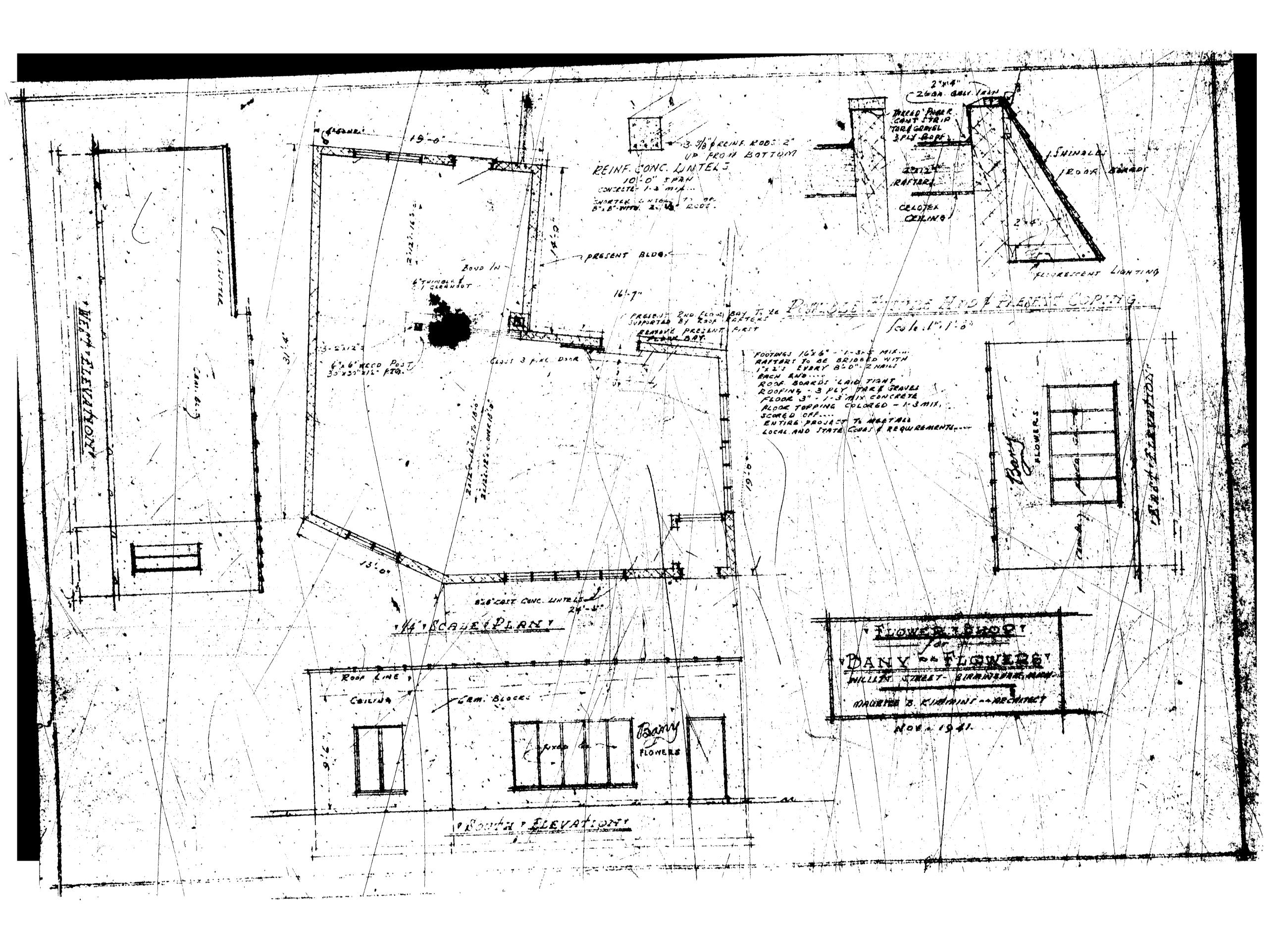
OF

CITY ENGINEER. G SHEETS









## WATER LOCATION CARD

Address 333 N OLD WOODWARD (PARKING STRUCTURE) Location of Service // S OF N B

Size of Service 6

Size of Main /2"

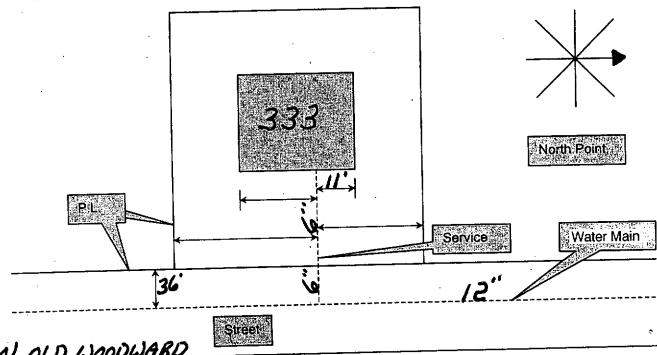
Depth of Main 7

Stop Box Location / 10 E OF E B Depth at P.L. 4

Materials Used D.I.+C.T PIPE

1-12-07 Date -Signature

Remarks RETAP TO 12" MAIN



N. OLD WOODWARD

Address 333 MATERIAL Copper Lead Service Size Meter Size /" Remote Curb Box Location

aur no 8159 frazen 1-89? Chayel 2000. our no. 718 set 7-11-89 gar 4, 1995 - 6" gate freger + Booker T- Matwot gate 5000 aux no 5296 set 5-11-95 2-9-96 Service frager-vertical pepe turned offwater per faul 0'm at gate Box 2-20-96 T-on water, resume thereof or now 5-5-03 we installed New values & replaced some plbs around fire neter hotalled check value also.

City of Birmingham Michigan	Sewer Service F	Permit No. 10	Date 3-2-66	Rec.	N? 38505
Location 333	N. Woodward	between	een <b>#11lett</b> .	and	Hermon
Lot No. Co	de 75A-11	Subd	Pre	mises used for	Perking
~	of Birminghe				-
p	vement - with				\$
Size of Service from Property Line to Bld	g <b>6</b> n		111-101 Construct	tion of Service	, 362.00 •
Water Service No.	soperate			Total	, N.C.
	Charge to Acc		65-10		
New Service	Replacement 🔲	· Inspection only	Storm Sev	ver 🛚	Sanitary Sewer
Service replacement If the City finds this p from fee paid before ref	permits are issued based on part of the service unobstructe	Owner's claim that street p ed and in good condition, n	art of service is obstructe to replacement will be ma	ed from causes w de and entire cost	ithin City's responsibility. of work will be deducted
I hereby apply for with respect to the use of	the above described Sawer Se		with all the rules, regulation <b>J. Etkin</b>		
8 au au au a	10		Aı	Owner-Agent IN Andre	
Approved	19			Danuty City Clark	

NOT VALID UNTIL STAMPED PAID BY CITY TREASURER

Lot No.  NEW PARKING GAPAGE.  House No.	North Point	Depth of Sewer Main 6  Size of Sewer Main 6  Depth of Service at P. L. 4  Size of Service from P. L. to Bldg. 4'C.I.P  Type of Matl. of Inside Service C. I. P.  Type of Matl. of Outside Service  Remarks: Location.  33'6' S of Matl.
\$ 33'6" \$	P. L. ら" Saw. Sewer Main	,
	WOODWARD. Street P. L.	6-21 1966 Fancher Date Signed

--

**~** - √

## City of Birmingham Michigan Water Service Permit No. 14 Date 3-2-66 Rec.

No 36587

Location333 N. Woodward	berween willets and Harmon	
Lot NoCode 75A-11	Subd	
Owner or Builder City of Birmingham	71R400 Water Shut Off \$	
Address 151 Mertin, Birmingham	71R443 Service Connection Charge . \$ 75.00 5	1"
Premises used for Parking Oarage	71R122 Water for Construction \$ 32.00	•
Type of Street Surface Pavement - with A/C	11L-1071 Construction of Service \$ 935.00	
Size of Tap		
Sewer Service No. if in same trench.		
Wew Service	Balance to be paid @ \$ per	
Fee for Water Construction entitles property to water for 3 months.	A. J. Etkin Construction Co.	
Approved, 19	Ann And reas  Deputy City Clerk	

Lot No.	North Point P.L.
76	6" Water Main

Depth of Water Main
Size of Water Main
Dept. of Service at P.L. 5
Size of Service
Type of Matl. of Service. C. I. w. P.
Curb stop OGATE,
Corporation cock +TEE
Remarks: LOCATION.
41'6" SOFN A.
*

Street

Waddward

P.L.

Signed

D.P.W. State Company of the Company		•		
City of Birmingham SEWER SEN	VICE PERMIT NO. 05	Date 8-23-56	Rec. NO	<b>4731</b> 3
Location 190 Villata	betv	ween knodward	and Bate	<u> </u>
House No.	Street Control 4 P	#27	E	
Owner or Bany Brothers Builder	eith of PipamenAdd			
Type of Pevenent Street Surface		1.6		
Size of Service from, Property Line to Bldg.	125	11L-101 Construc		
Water Service No. if in same trench  Location of Wye	CITY TREASUR AMT. REC D. 160.0 PER8.7	ER >-v	Total	160.00
New Service 🔄 Replacement		Storm Sewe	er 🗌 Sanitar	y Sewer 🗀
Service replacement permits are issued in responsibility. If the City finds this part of the work will be deducted from fee paid before reful hereby apply for the above described Se Birmingham with respect to the use of this Se	e service unobstructed and in lund is made. ewer Service and agree to con	good condition, no replac	ement will be made as	nd entire cost of
		obert bany	Owner—Agent	***************
Approved1		reme Carrett	, ) 	
	· · · · · · · · · · · · · · · · · · ·	Ď	eputy City Clerk	· ·

NOT VALID UNTIL STAMPED PAID BY CITY TREASURER

Lot No.		Depth of Sewer Main 10 Size of Sewer Main 7
		Depth of Service at P. L. Size of Service from P. L. to Bldg
House No.	North Point	Type of Matl. of Outside Service OB.  Remarks: LoCATICN 12  West of THE EAST
SS VI GO	P. L.	BLOG. LINE, WATER IN SAME TRENCH,
	Sewer Main	
	Street	8-24 1956 MA.
	P. L.	Date 7 Signed

Deputy City Clerk

On

NOT VALID UNTIL STAMPED PAID BY CITY TREASURER

water for 3 months.

Location...

Owner or

Premises

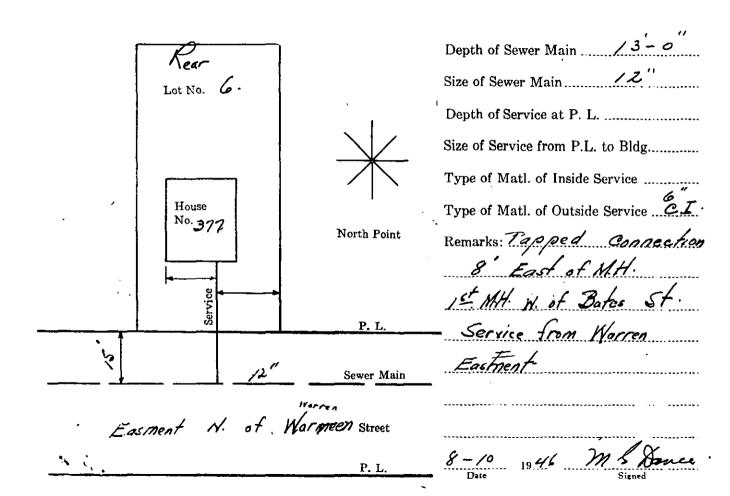
Size of

Type of Street

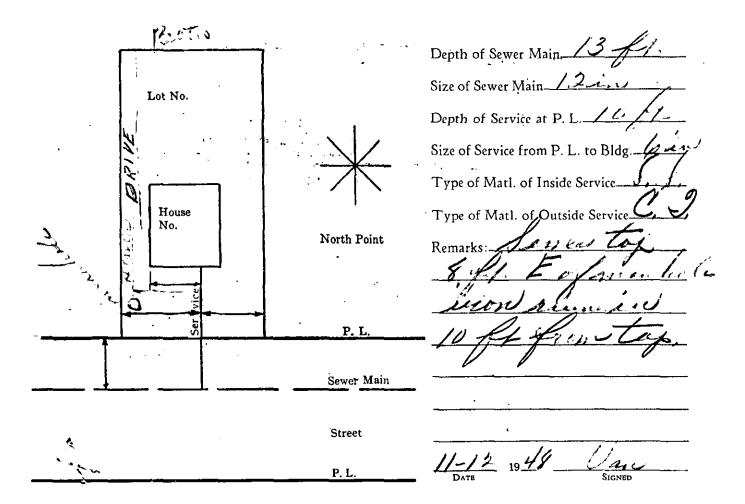
Sewer Service No.

			Depth of Water Main
			Size of Water Main
			Dept. of Service at P.L
·	Lot No.	/   \	Size of Service
	House	North Point	Type of Matl. of Service
	No.		Curb stop
	4		Corporation cock +
	G G G		Remarks:
	Serwi	P.L.	Shot OFF At MAIN
		Water Main	
		Hater Main	
		Street :	
		P.L.	8/9/7/19 Thompson Signed
			· · · · · · · · · · · · · · · · · · ·

D. P. W.
No of Birmingham Nº 47644
Michigan Sewer Service Permit No. 182 Date 7-30-46 Rec. 93 99
Location 277 R. Eates St. between and
Lot No. 6 Subd. Subd. Sub. Premises used for Fes.
Owner or Builder Wallaco Frost Address
Type of Street Surface Inserted \$ 3.00
Size of Service from Property Line to Bldg.  1946  11R441 Construction of Service \$ 45.00
Water Service No. if in same trench  Location  Total \$ 48.00
Location of Wye
New Service Replacement Inspection only Storm Sewer Sanitary Sewer
within City's responsibility. If the City finds this part of the service unobstructed and in good condition, no replacement will be made and entire cost of work will be deducted from fee paid before refund is made.  I hereby apply for the above described Server Service and accrete refund is made.
ances of the City of Birmingham with respect to the use of this Service.
Approved 8 - 10 19#6
Irono R. Hani Dekon GuyClerk
NOT VALID UNTIL STAMPED PAID BY CITY TREASURER



DP. W.	74 •	noago.
City of Birmingham Michigan  Sewer Service Permit No. 371  Date 10-4-48  Permit No. 371		
Michigan Sewer Service Permit No. 374 Date Date Rec.	W.O. No	·.———
Location between and house No.		
Lot No. 6 Subd schlage: Pros. De Premises used for	•	
Owner or		
Builder Address Type of		
Type of	\	
Street Surface 11R1321 Inspection	1 \$_	<u>3.00</u>
Size of Service from	****	
Property Line to Bldg. 11R441 Construction of	Service \$_	<u>_</u>
Water Service No.	\$_	3.00
Location Location	ф-	3000
of Wye		•
The state of the s		
New Service Replacement Inspection only Storm Sewer	Sanitary	Sewer 🗆
Service replacement permits are issued based on Owners daim that street part of service is obstructed	. <b>6</b>	- intro- Civilia
responsibility. If the City finds this part of the service unobstructed and in good condition, no replaceme cost of work will be deducted from fee paid before refund it made.	nt will be ma	ide and entire
I hereby apply for the above described Sewer Service and agree to comply with all the rules regulation	ions and ordi	inances of the
City of Birmingham with respect to the use of this Service.		•
// Apprile to the same	_//-	
Approved / - / 2 19 4/8 District Agen		17
Approved 19 19 Deputy City Cle	I CHARLE	· Va-
NOT VALID UNTIL STAMPED PAID BY CITY TREASUR	nk 'ER'	. <sub></sub>
Form C44 10.46		•

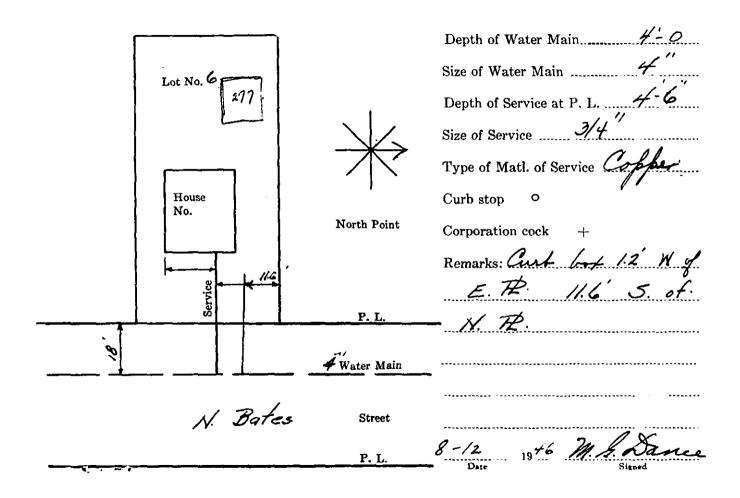


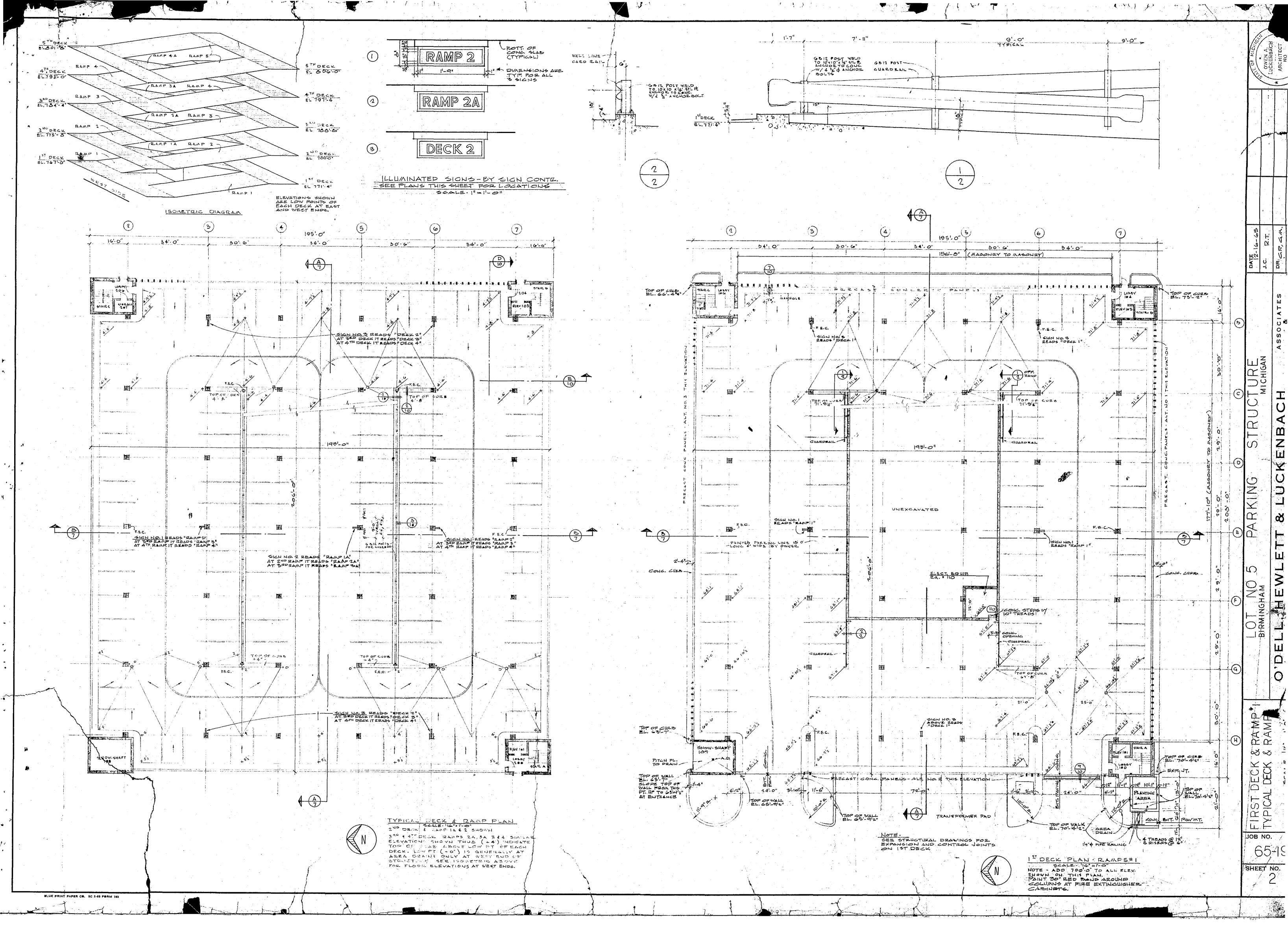
D. P. W.	370 00100
City of Biomingham Water Service Permit No.	Nº 32189
Location Boles Street	between and
	Premises used for
Owner or Builder Radio Pat	_Address
Type of Street Surface	
Size of Tap	
Sewer Service No. if in same trench	71R442 Construction of Service \$
Desired location to be staked on ground by	Auto-
on or before 19 19	If partial paym't, note amt. pd. here \$
New Service $\square$ Replacement $\square$ Inspection only	Balance to be paid @ \$ . per
I hereby apply for the above described Water Service and and Sewage Disposal Dept. and the provisions of the City O	agree to comply with all the rules and regulations of the Water rdinance No. 236 as amended.
Fee for Water for Construction entitles property to water for 3 mos.	Owner - Agent
Approved 19 19	Deputy City Clerk
	PAID BY CITY TREASURER

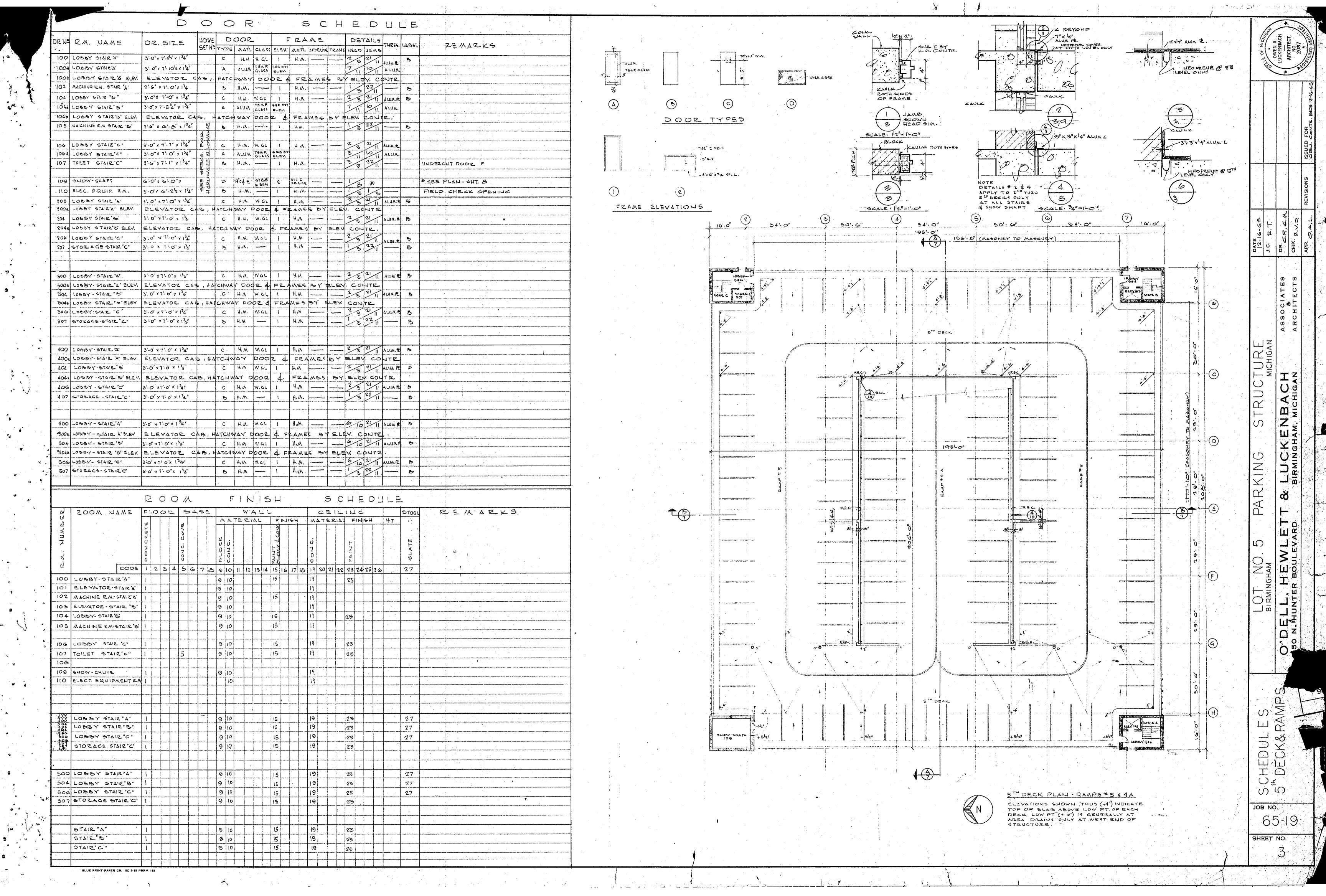
		•	Depth of Water Main
	Lot No.		Size of Water Main
	House No.	North Point	Dept of Service at P. L.  Size of Service  Type of Matl. of Service  Curb stop  Corporation cock +  Remarks: 34 Corporation
		P. L. Water Main	
		Street	/0-30 19 48 Signed
المستعرب		P. L.	Date Signed

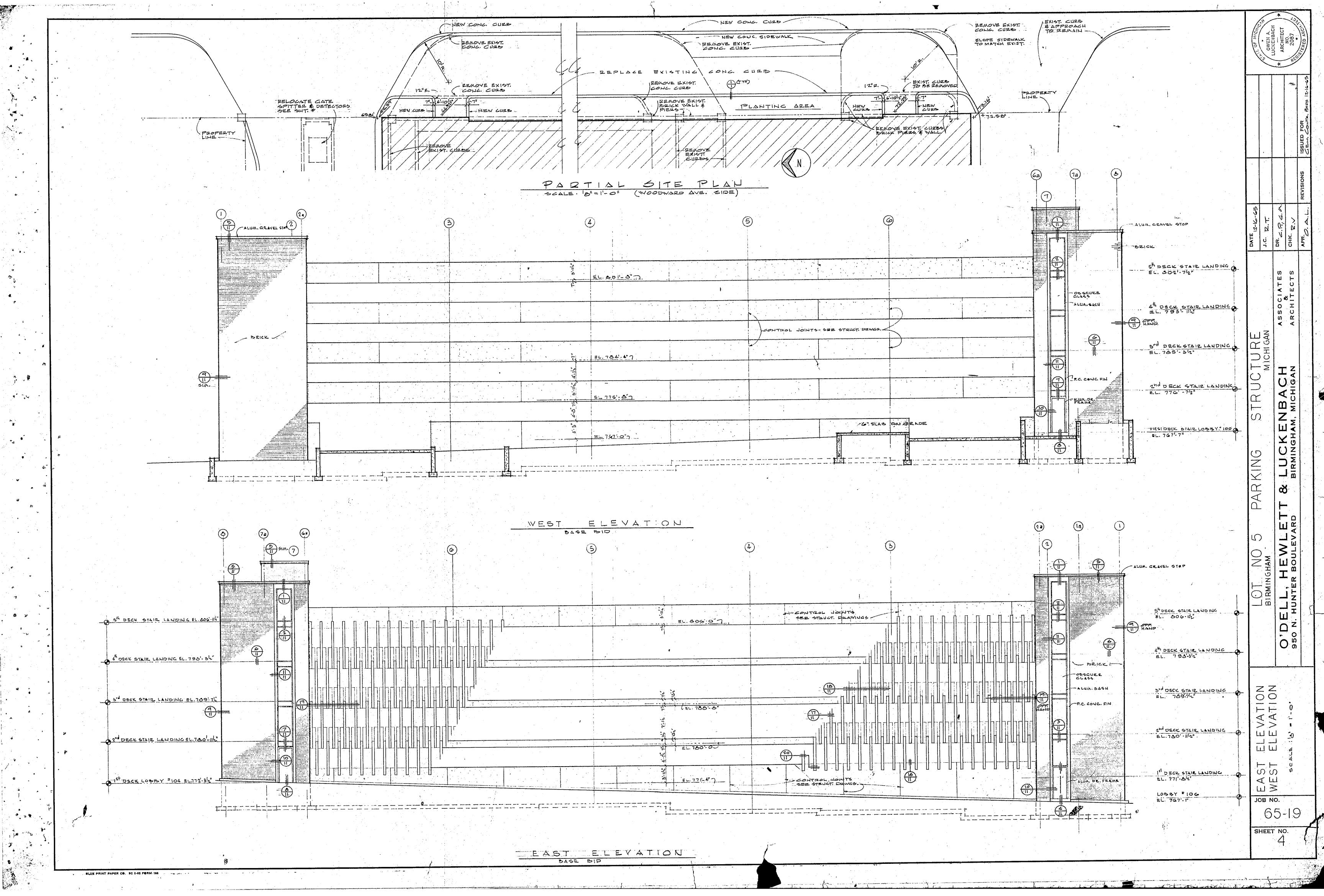
City of Bicmingham  Michigan  Water Service Permit No.		6415 Ho
Location House 187 M. Bortes St. be	etweenand	
Lot No. Subd.		
Type of Street Surface Gravel F ETMINGHAM, Mic	Address	2.50
Sewer Service No. AUG 1 1946	71R130 Inspection \$	2.00
Desired location to be staked on ground by	71R442 Construction of Service \$.	9.0 <del>0</del>
on or before 19	If partial paym't, note amt. pd. here \$	** 70
New Service Replacement Inspection only	☐ Balance to be paid @ \$per	
I hereby apply for the above described Water Service a Water and Sewage Disposal Dept. and the provisions of the Ci- Fee for Water for Construction entitles property to water for 3	by Ordinance No. 256 as amended.	
Approved 8-12 1946	Vallace Fromt Agent	·

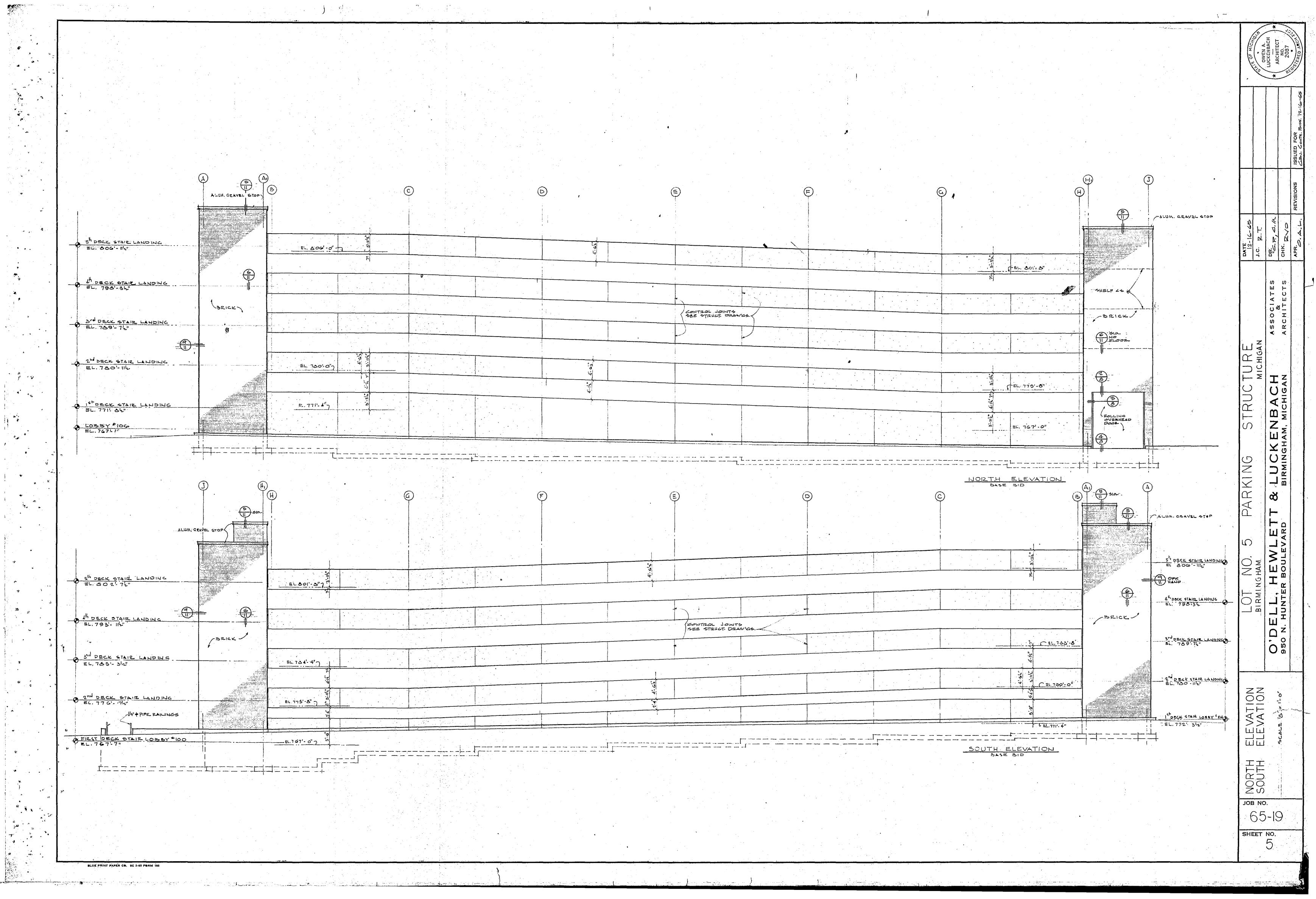
NOT VALID UNTIL STAMPED PAID BY CITY TREASURER Form C43 A.P.C. M-11-42

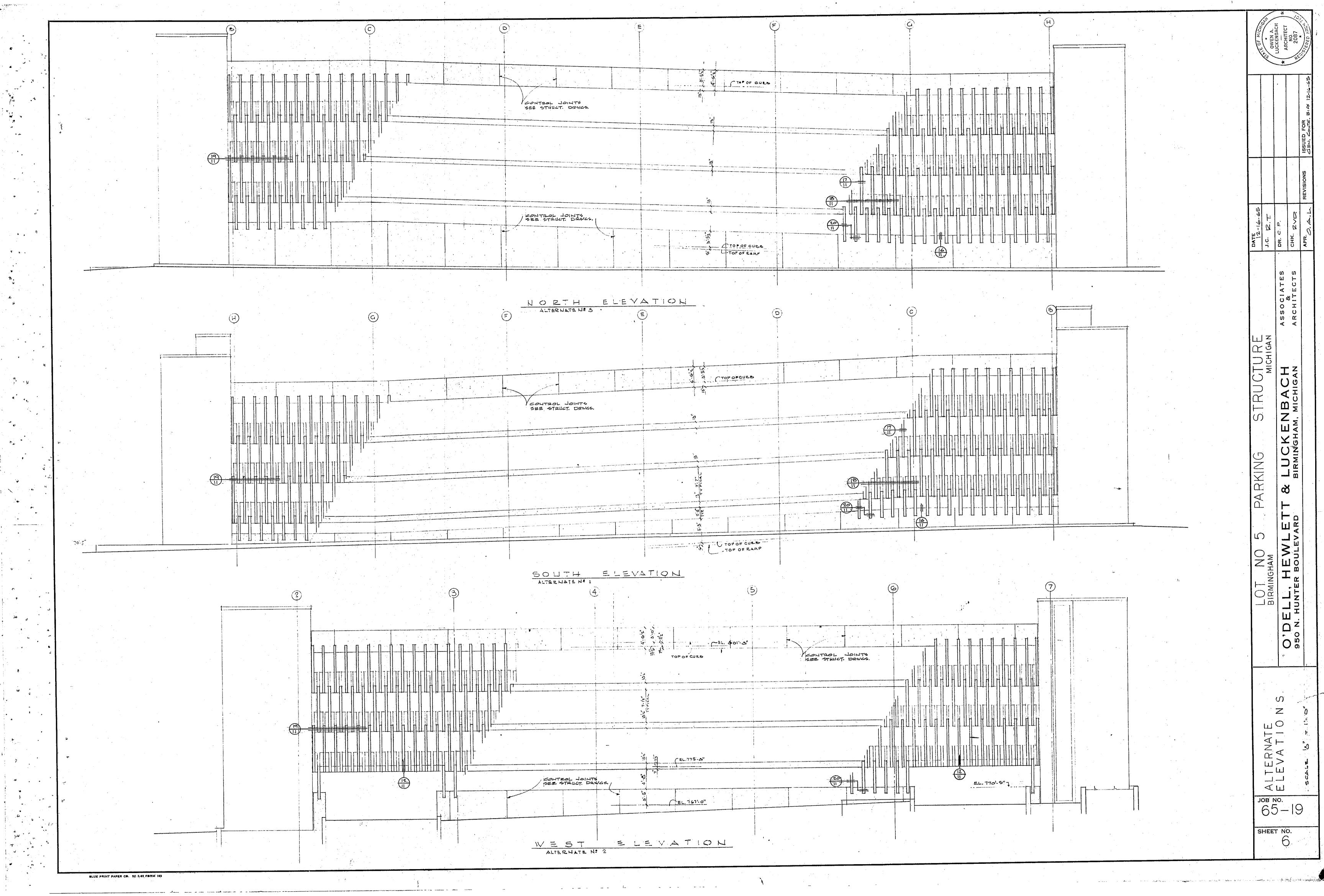


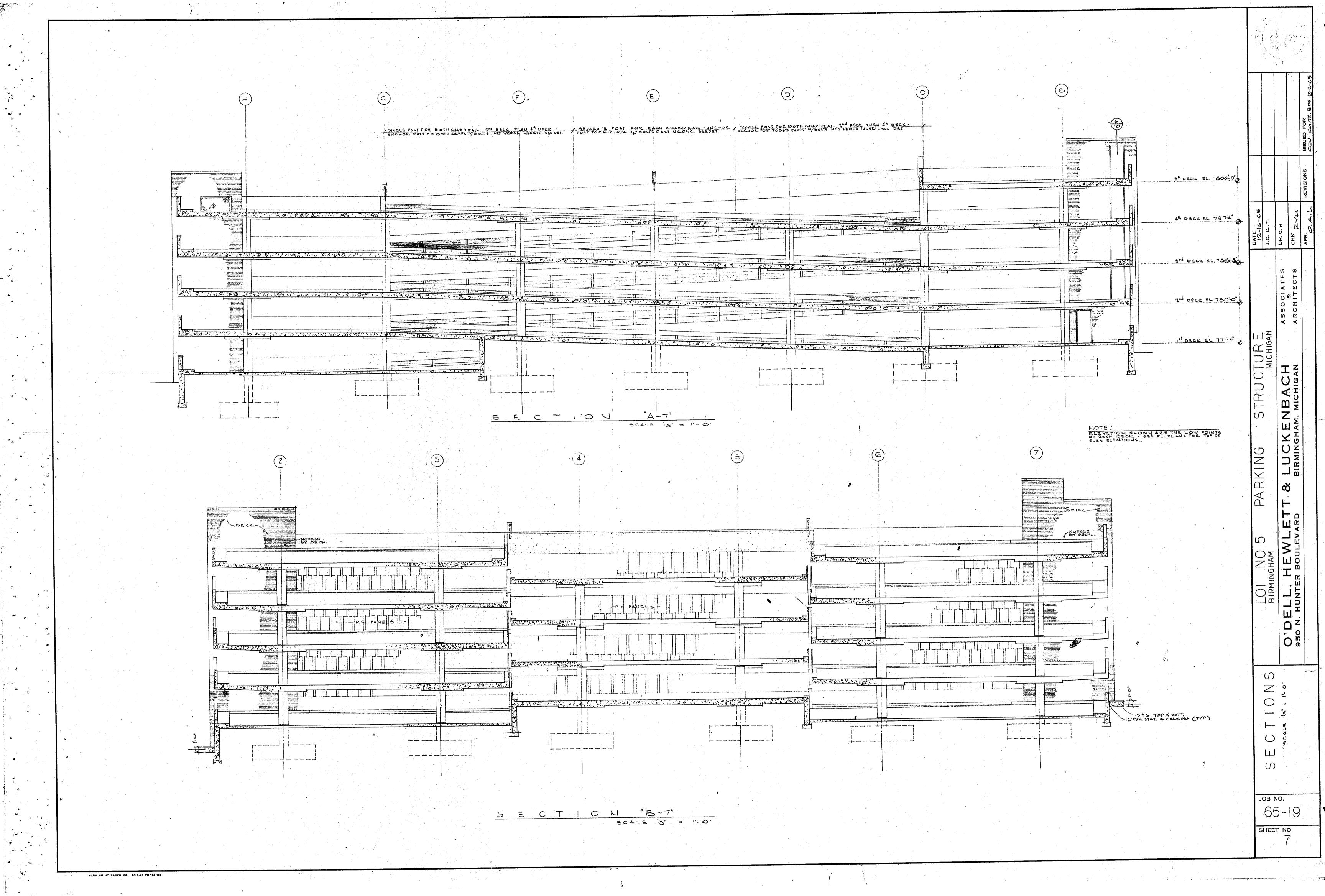


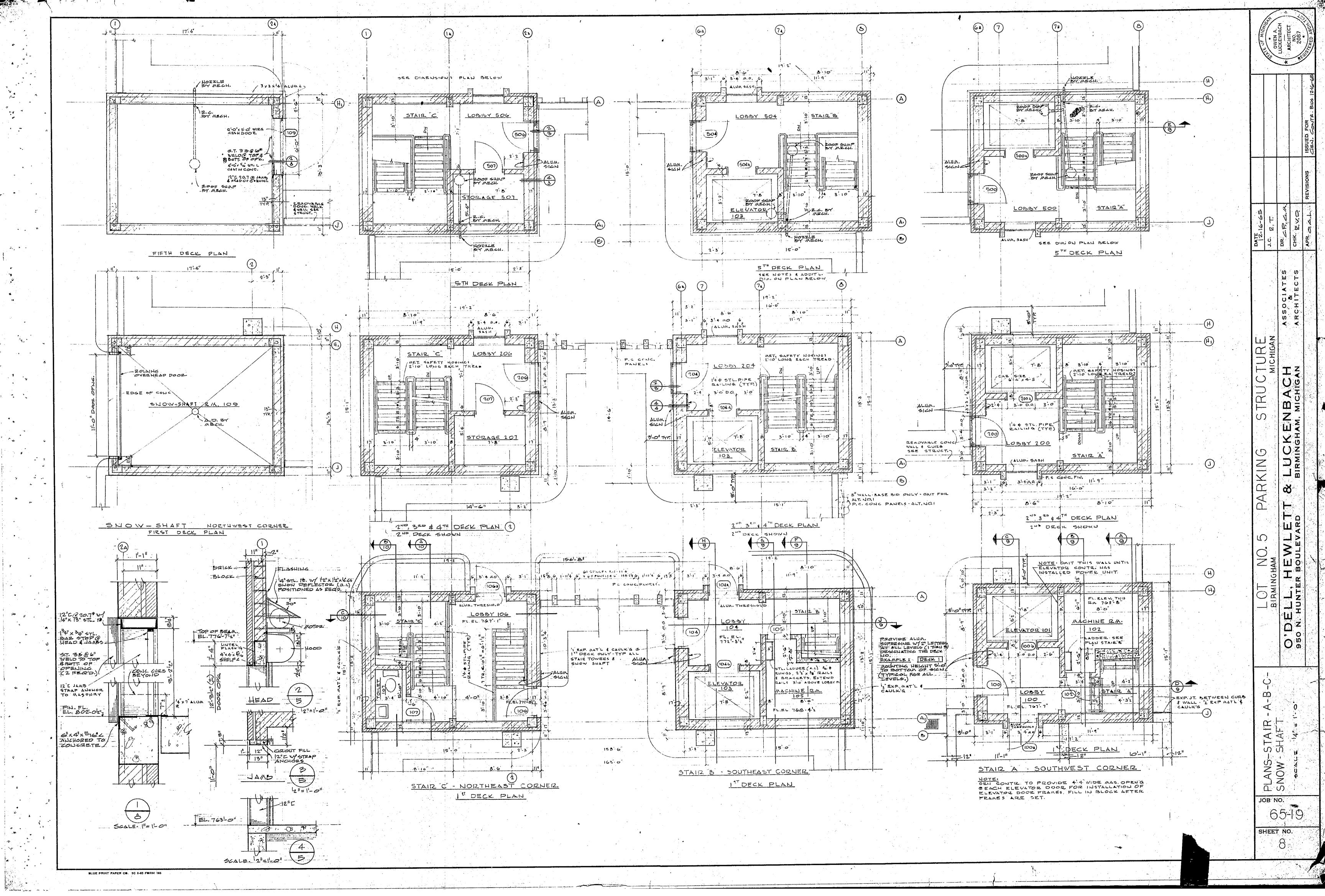


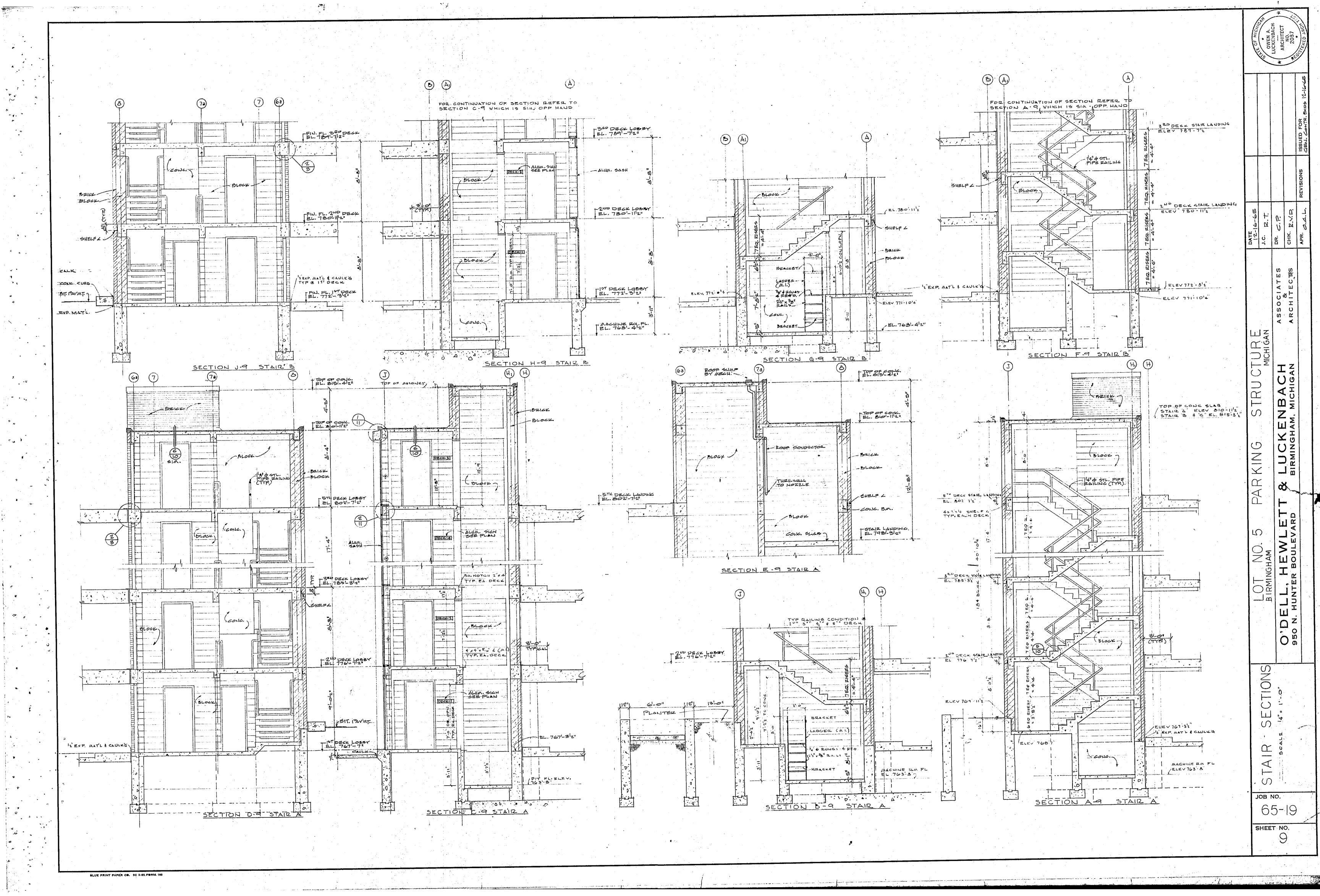


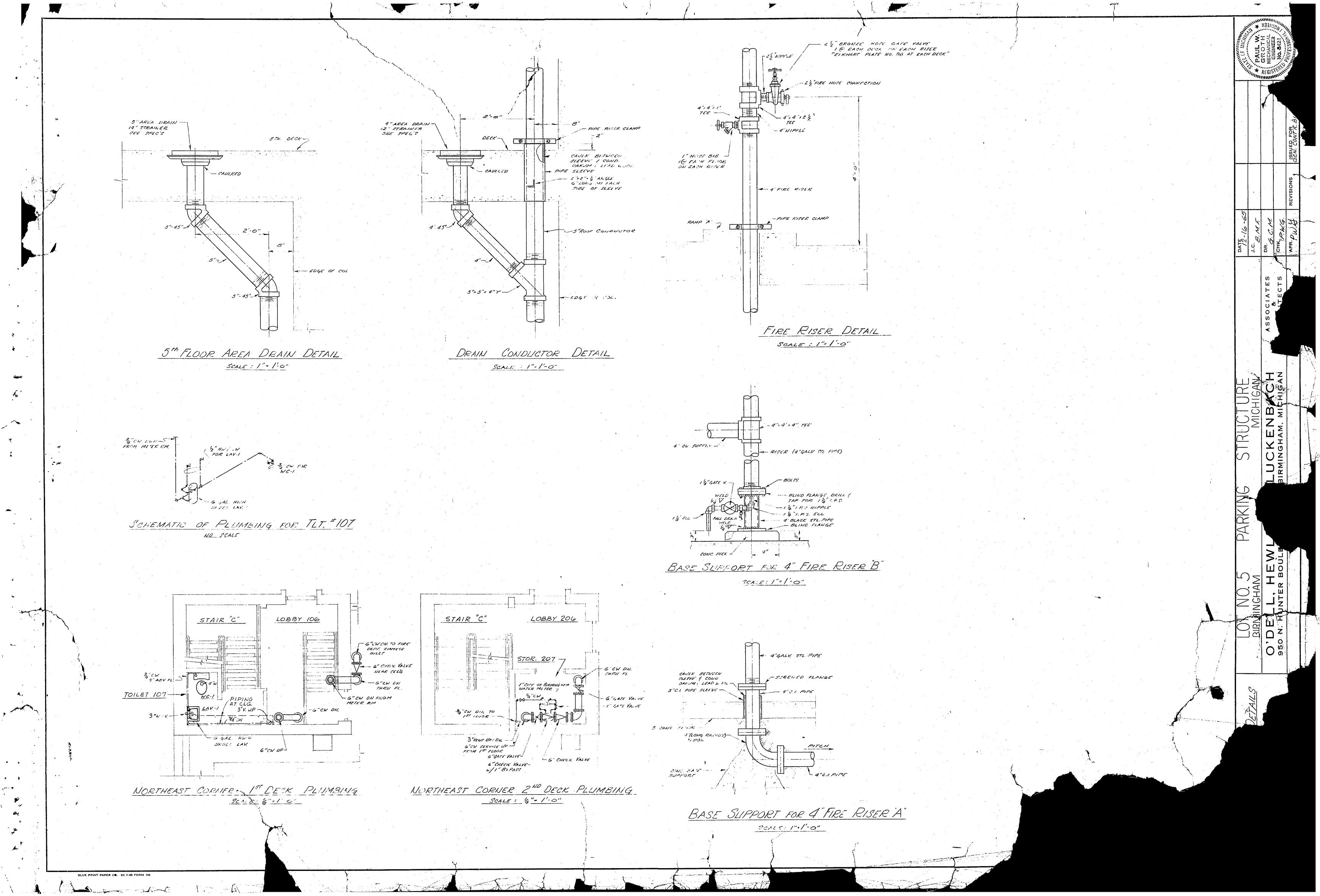


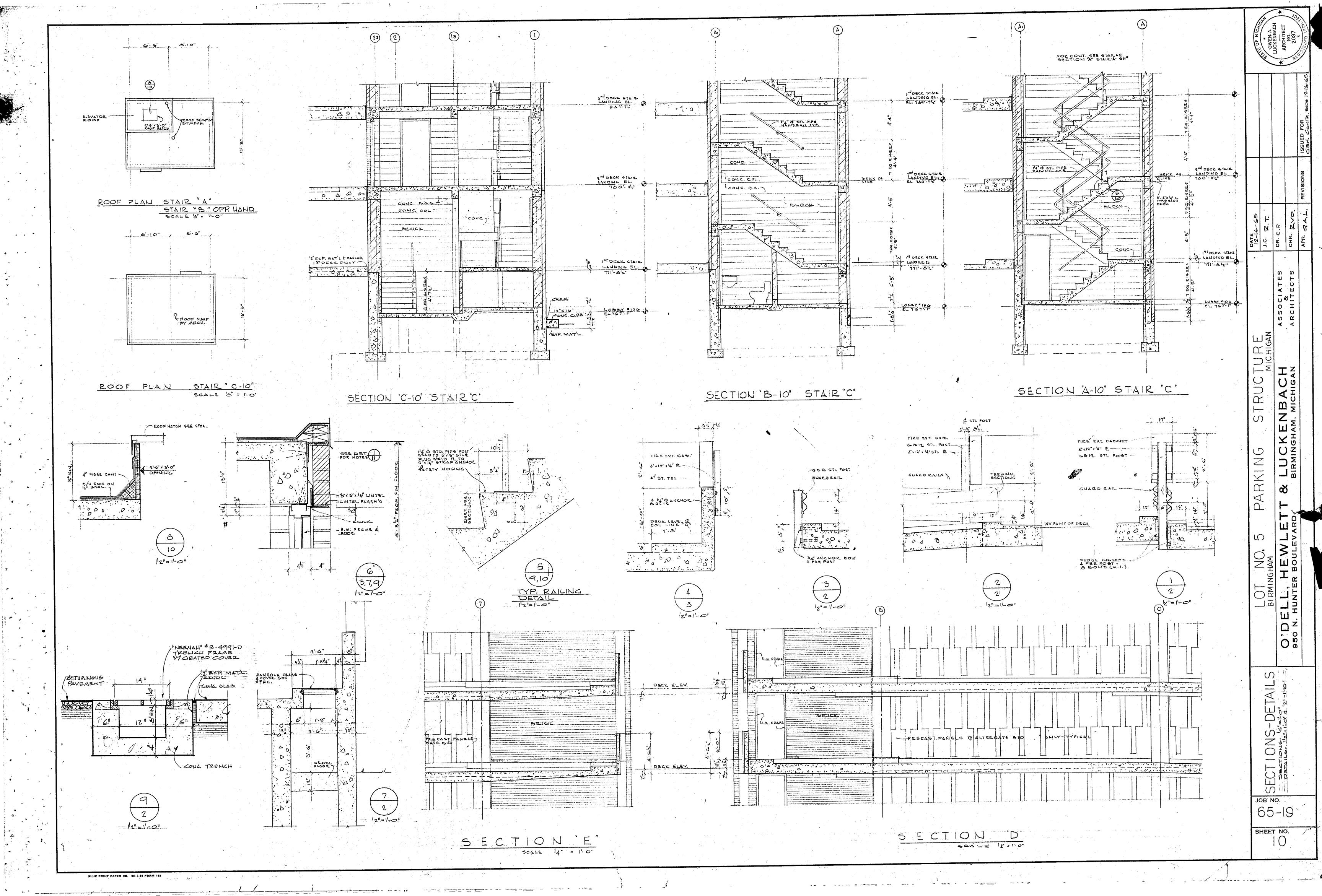


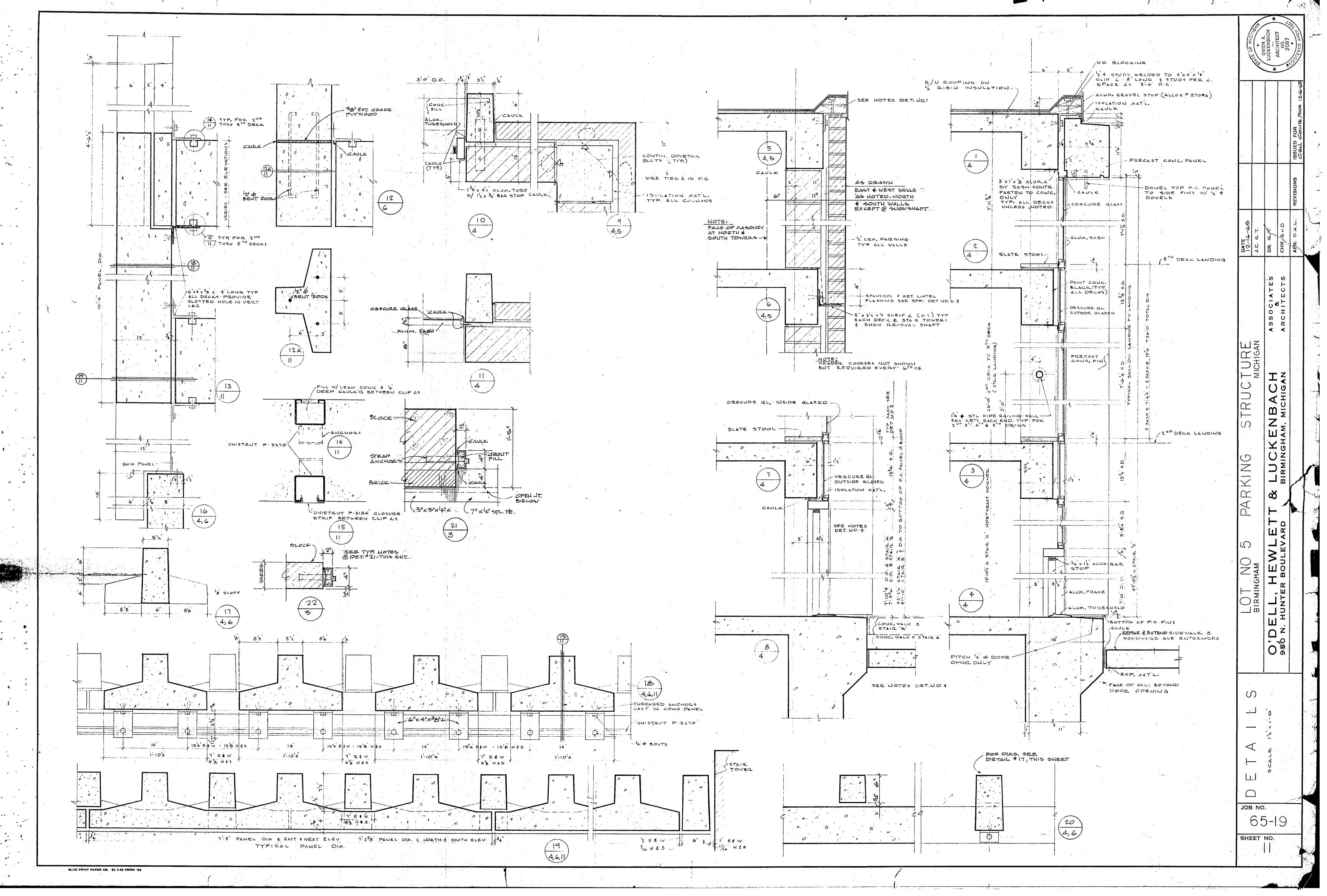


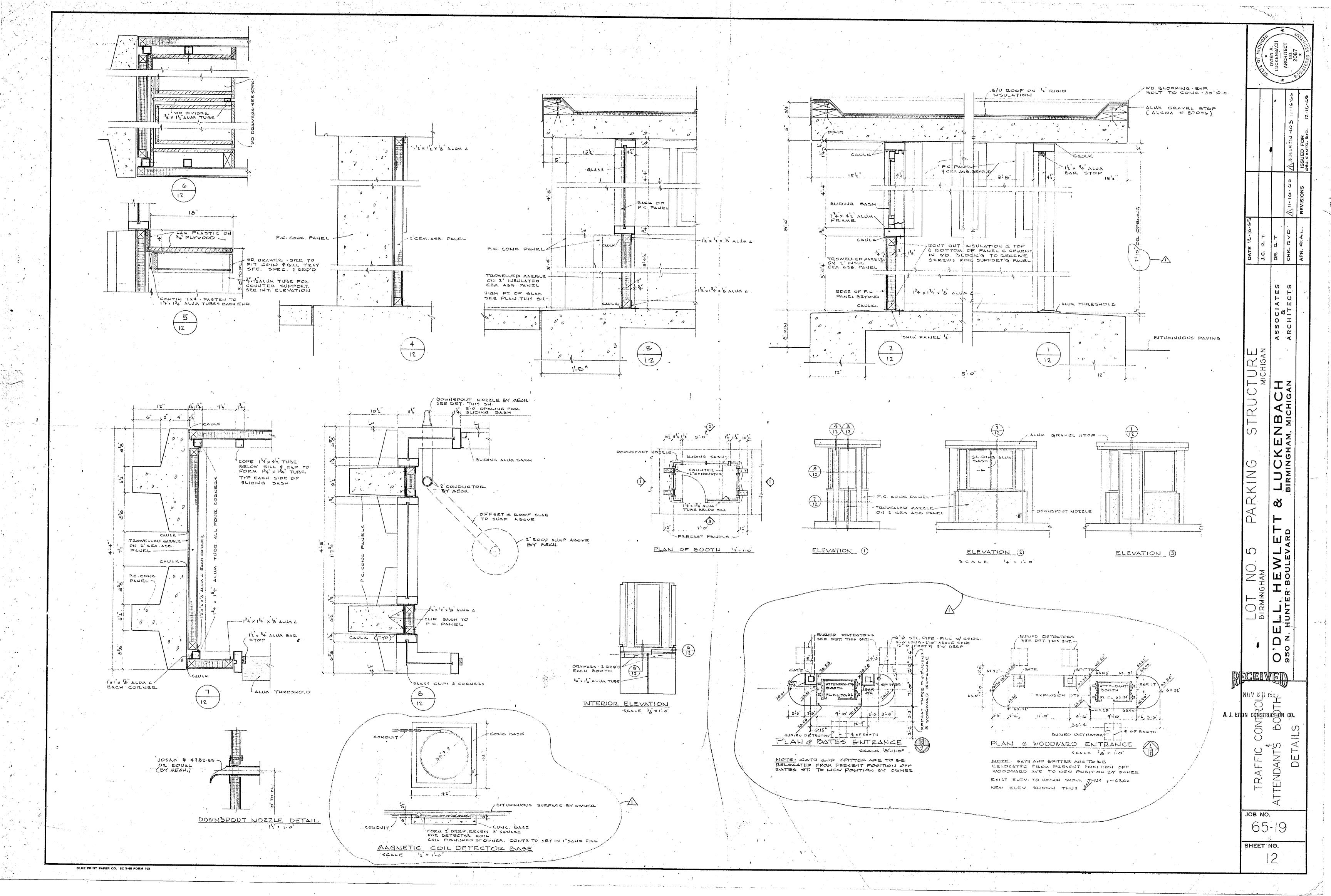


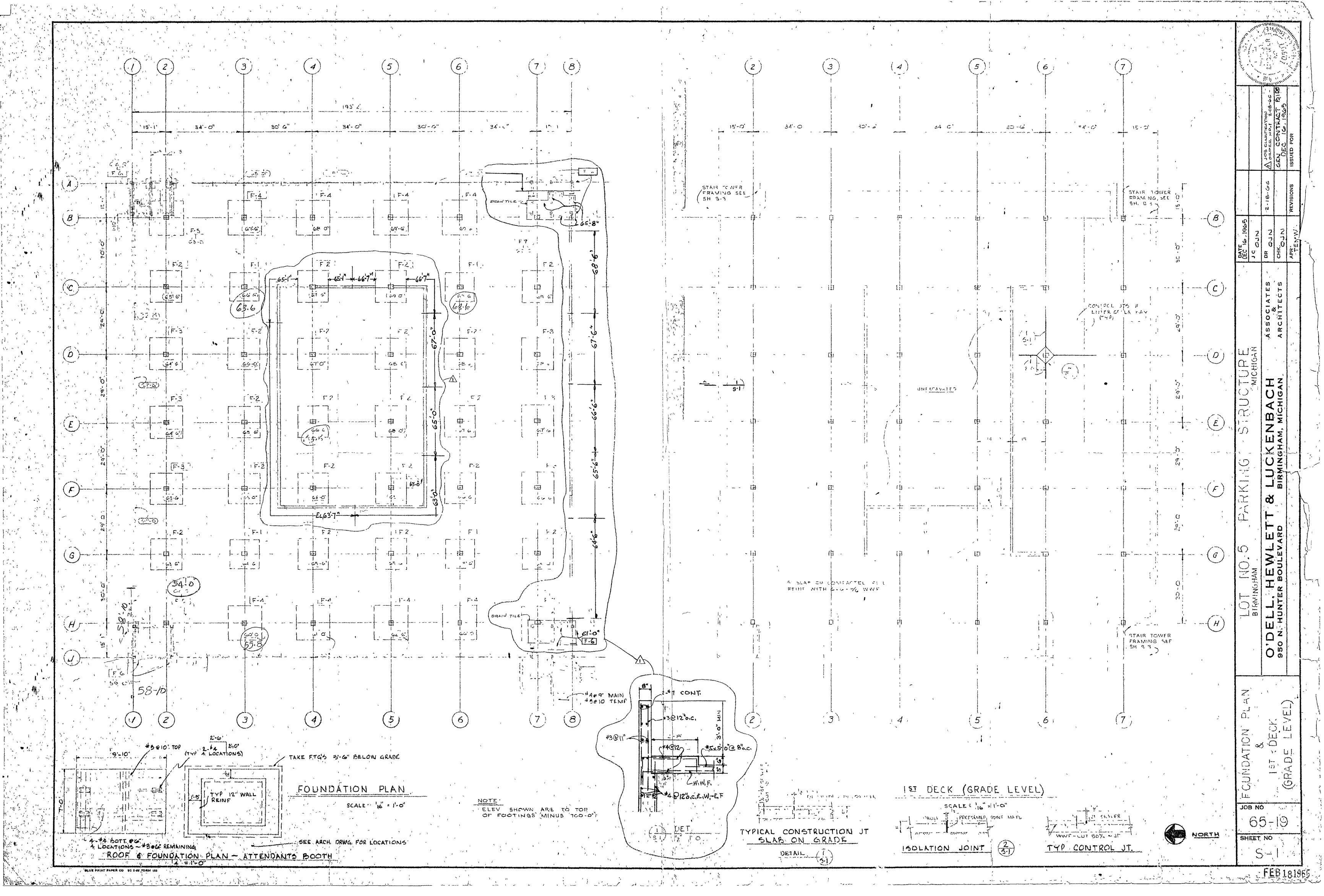


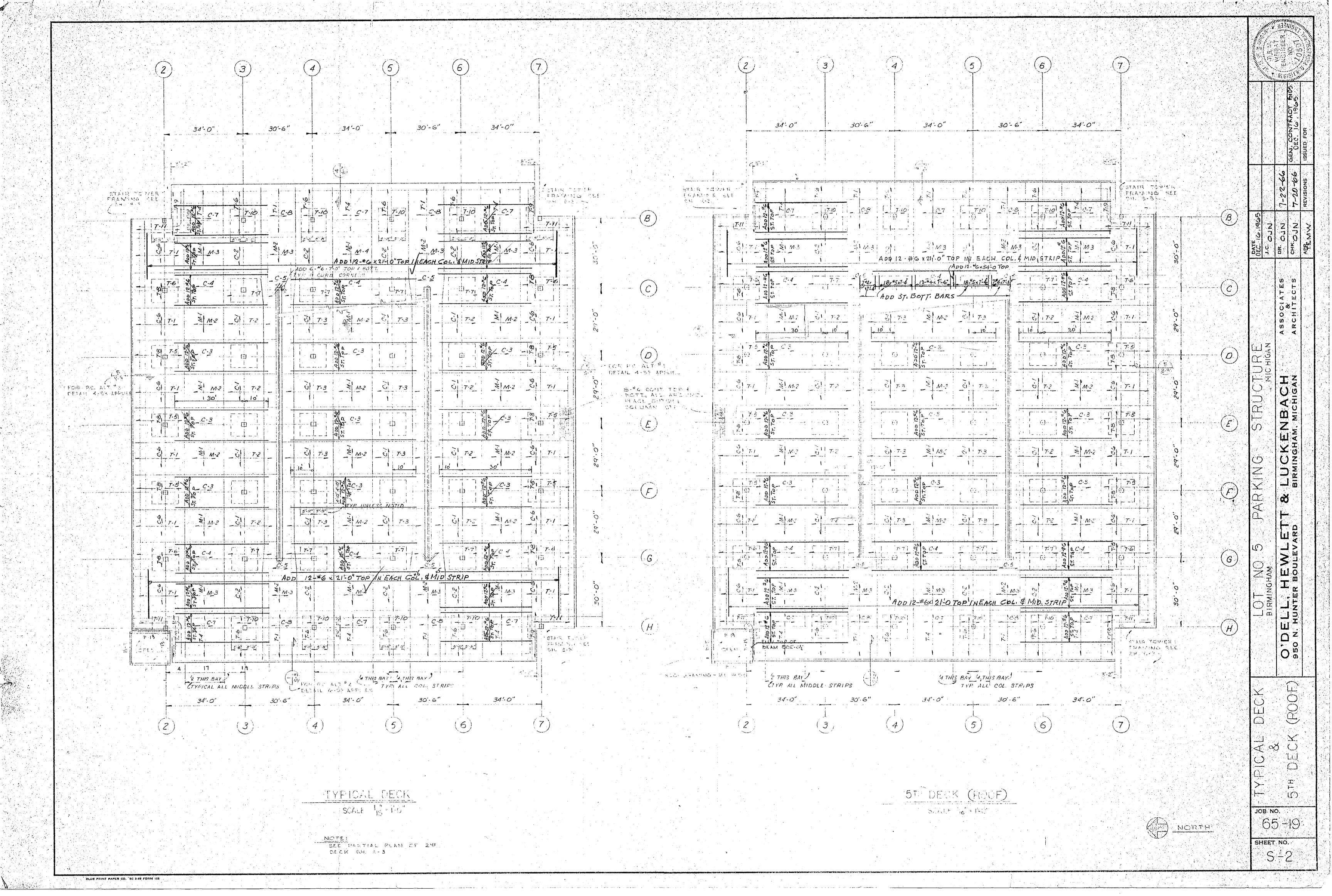


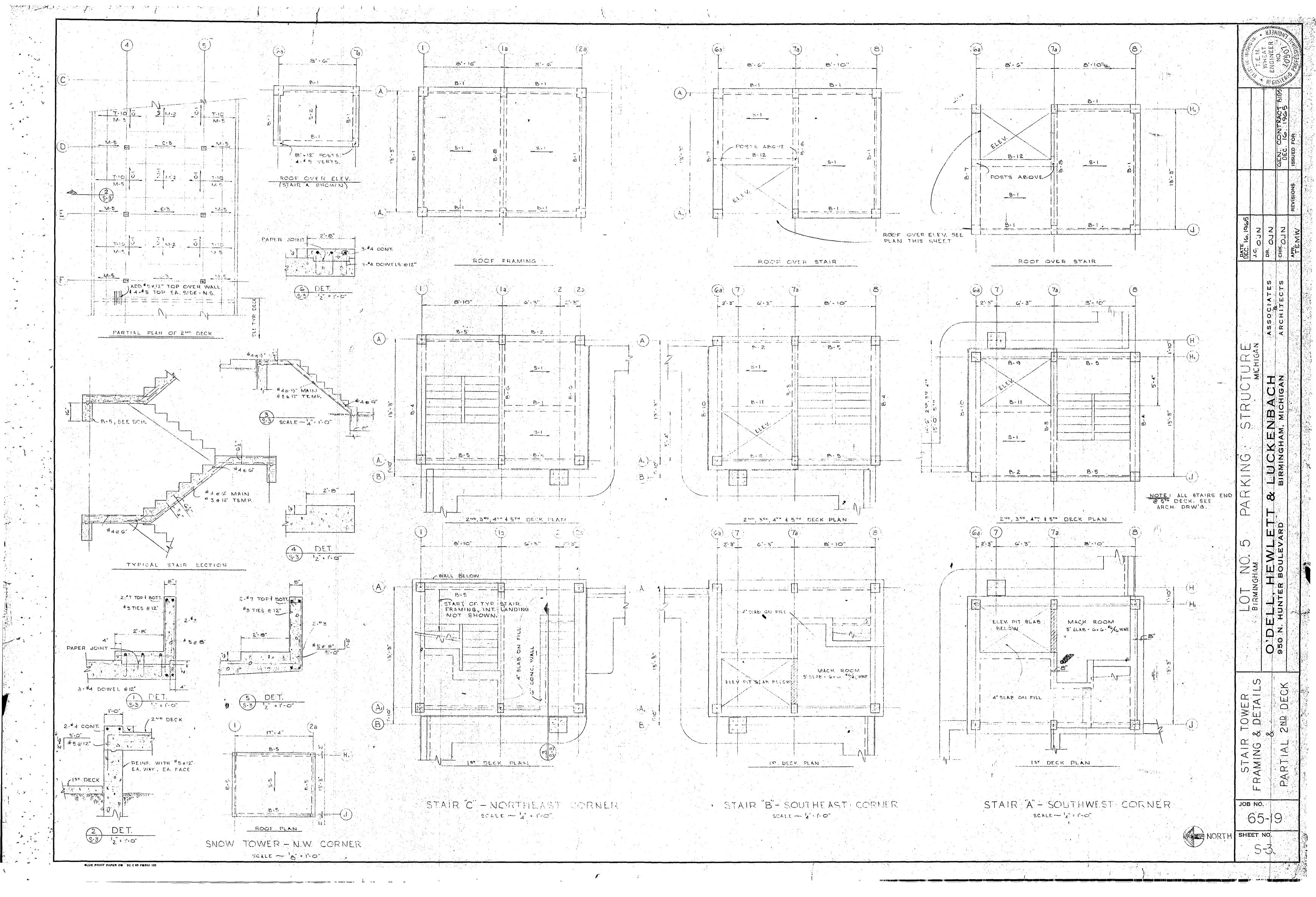


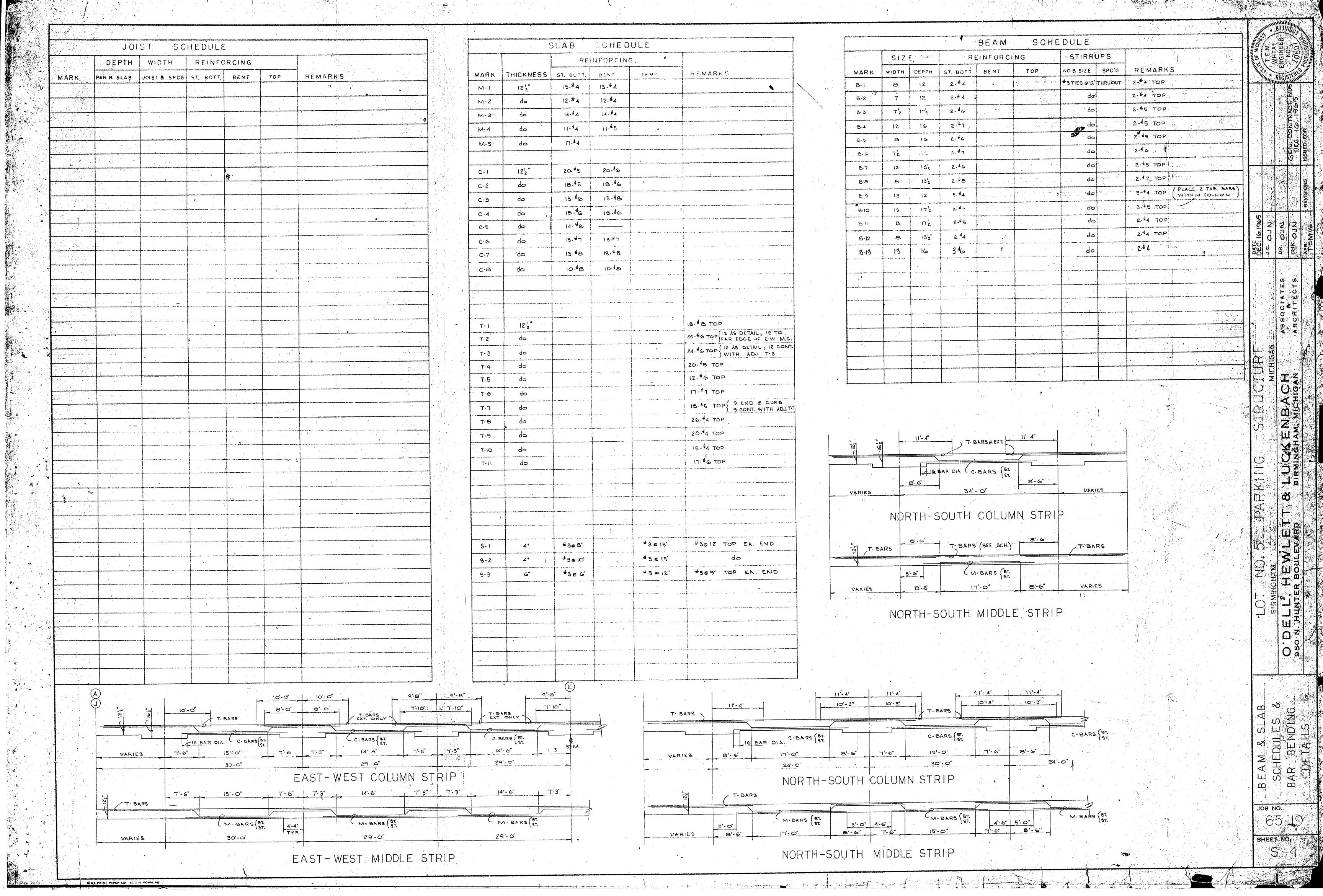


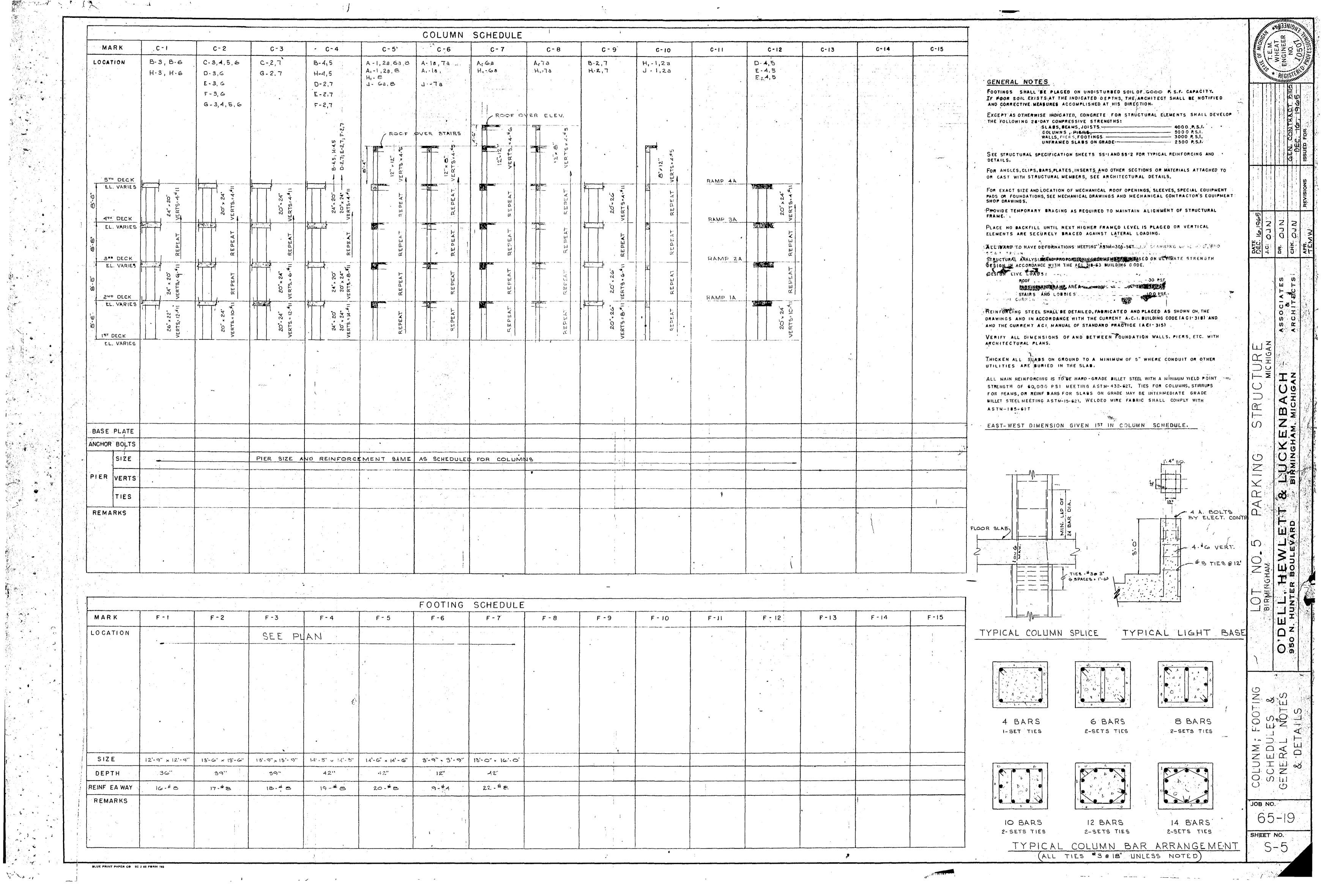


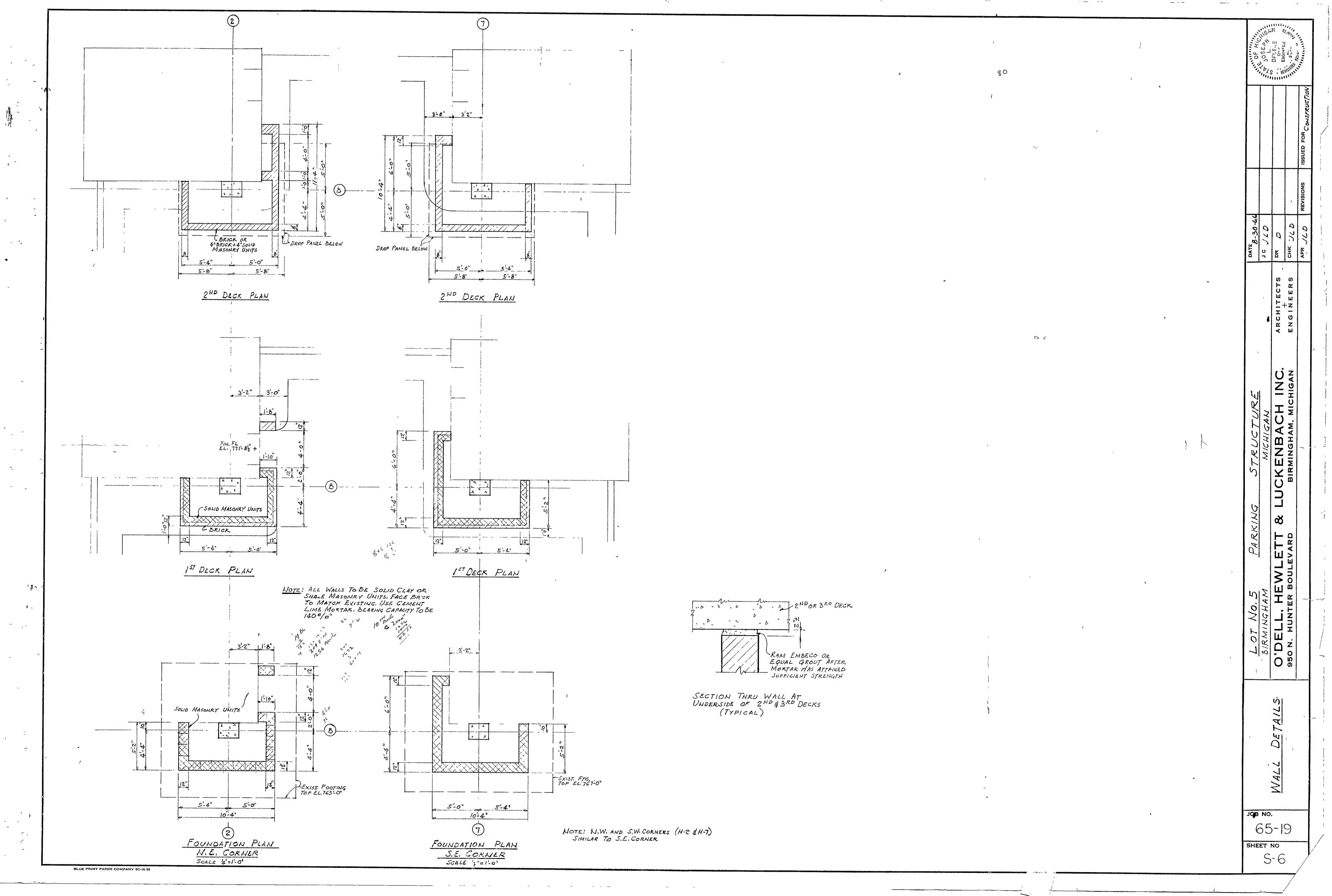


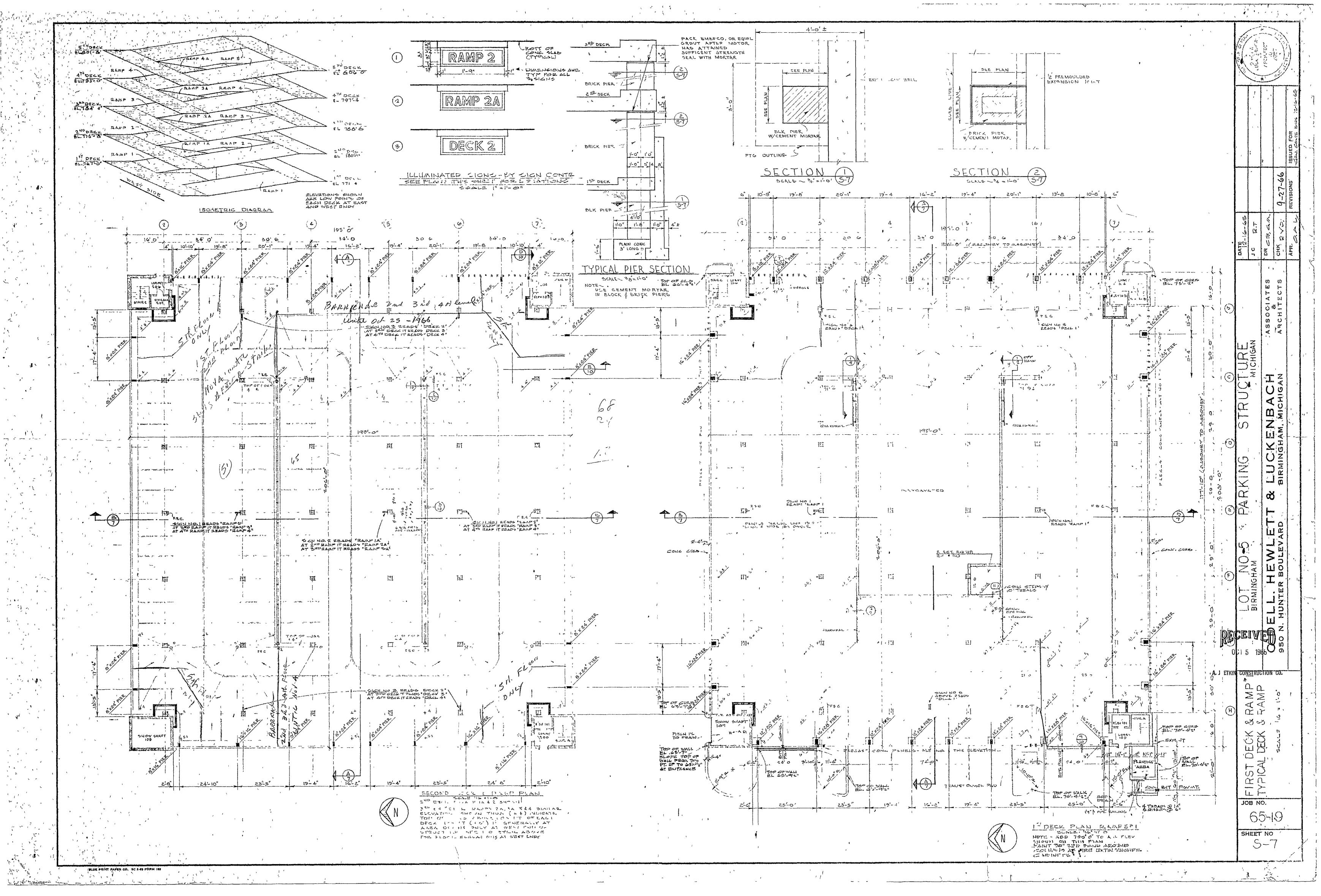


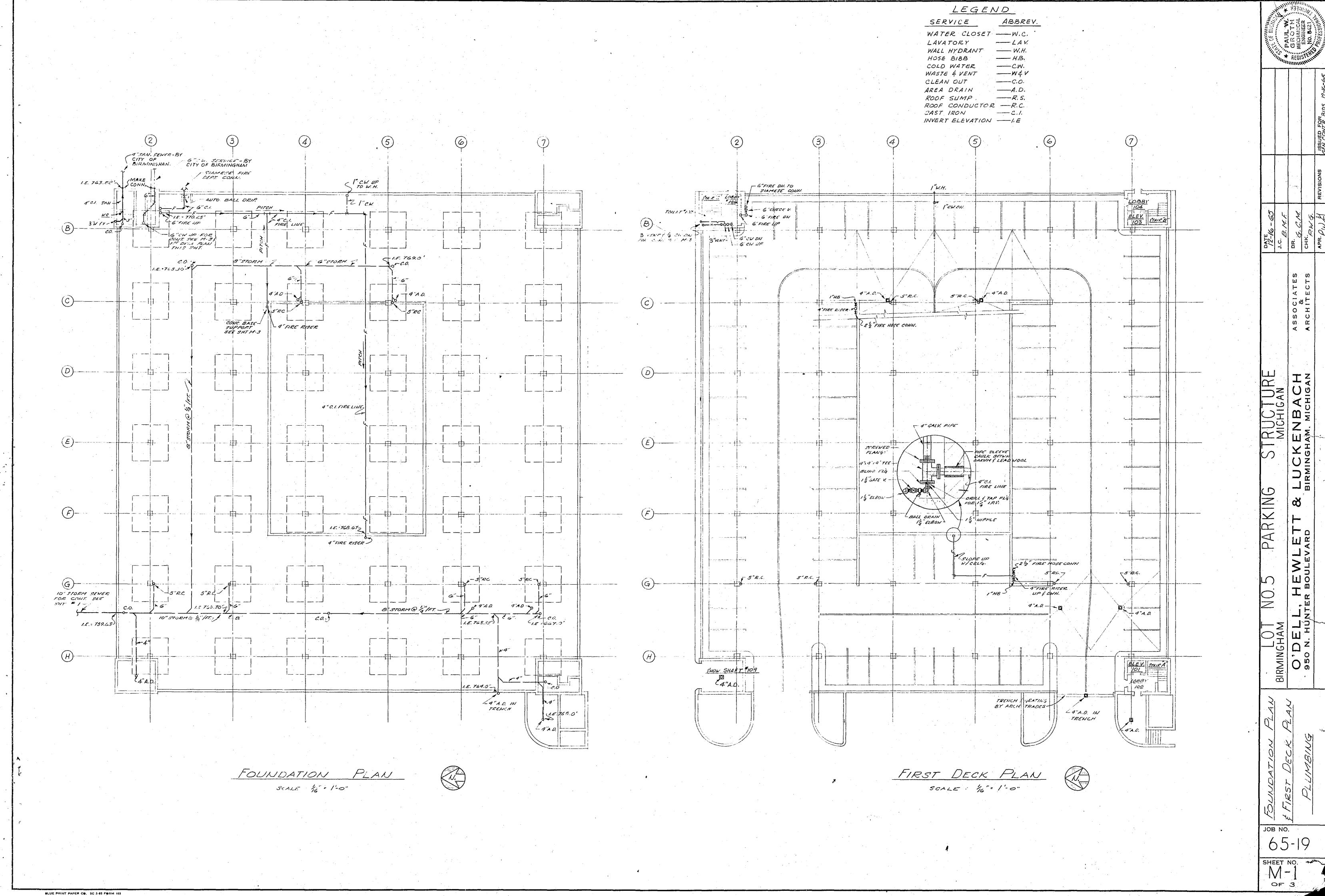


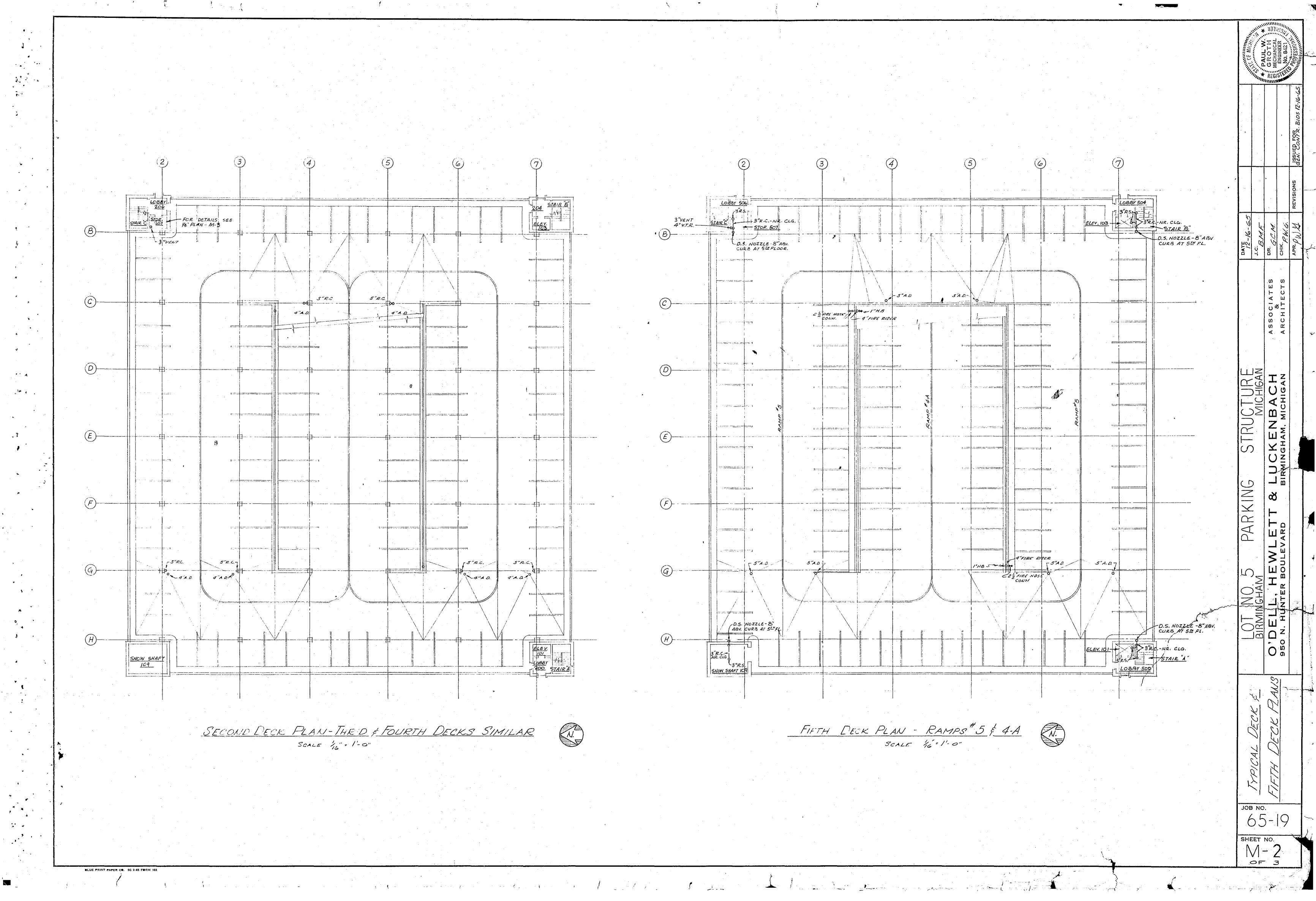


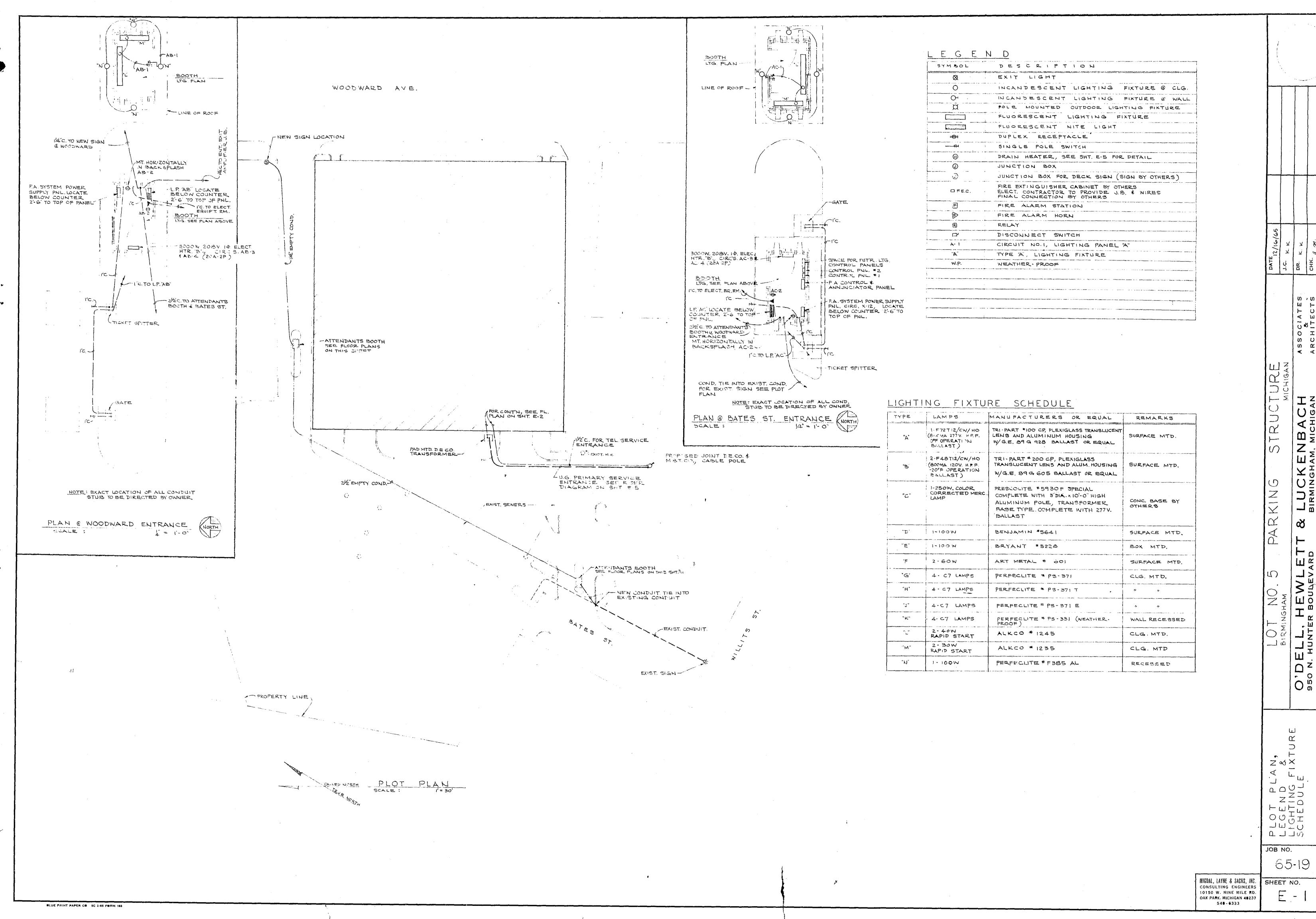


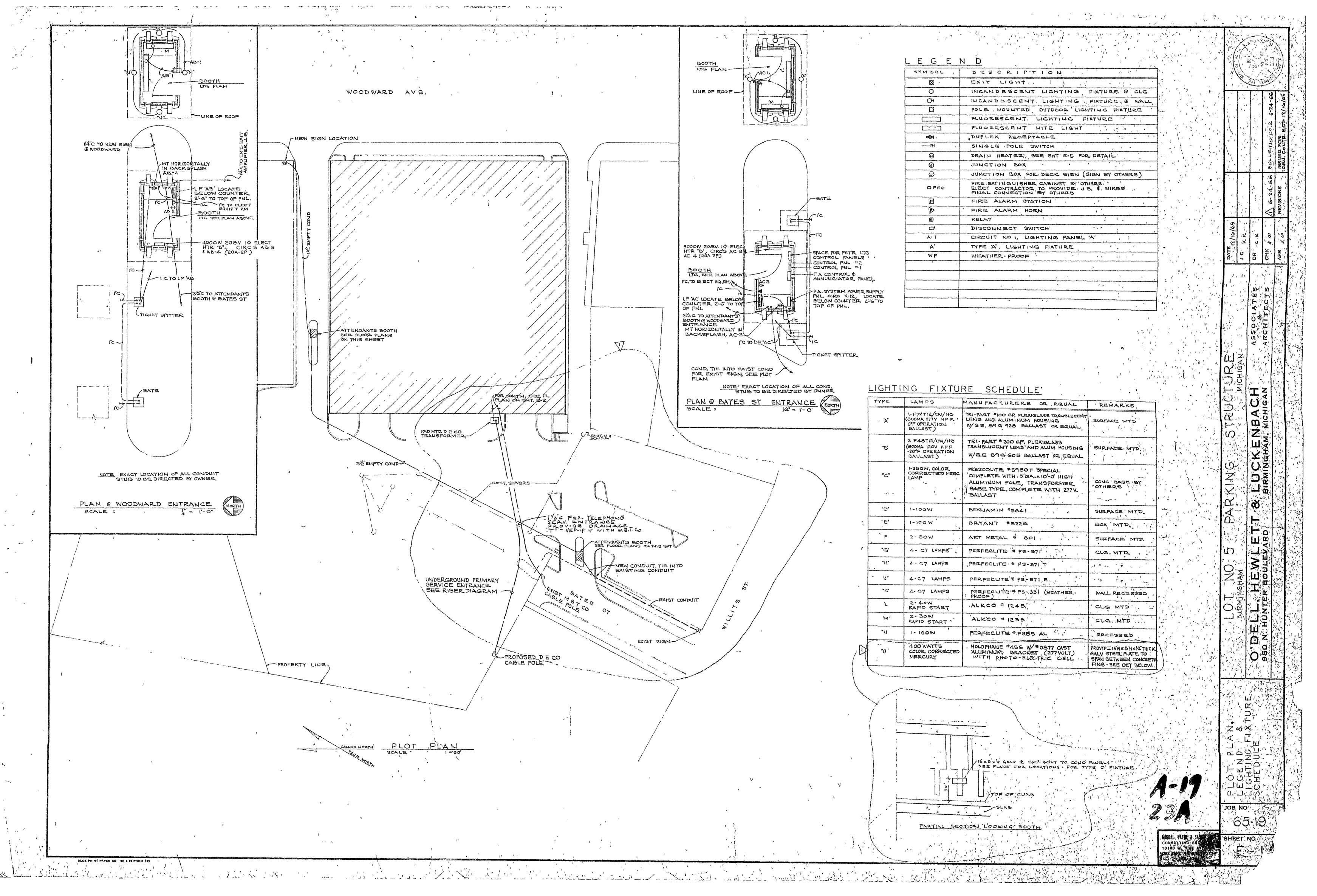


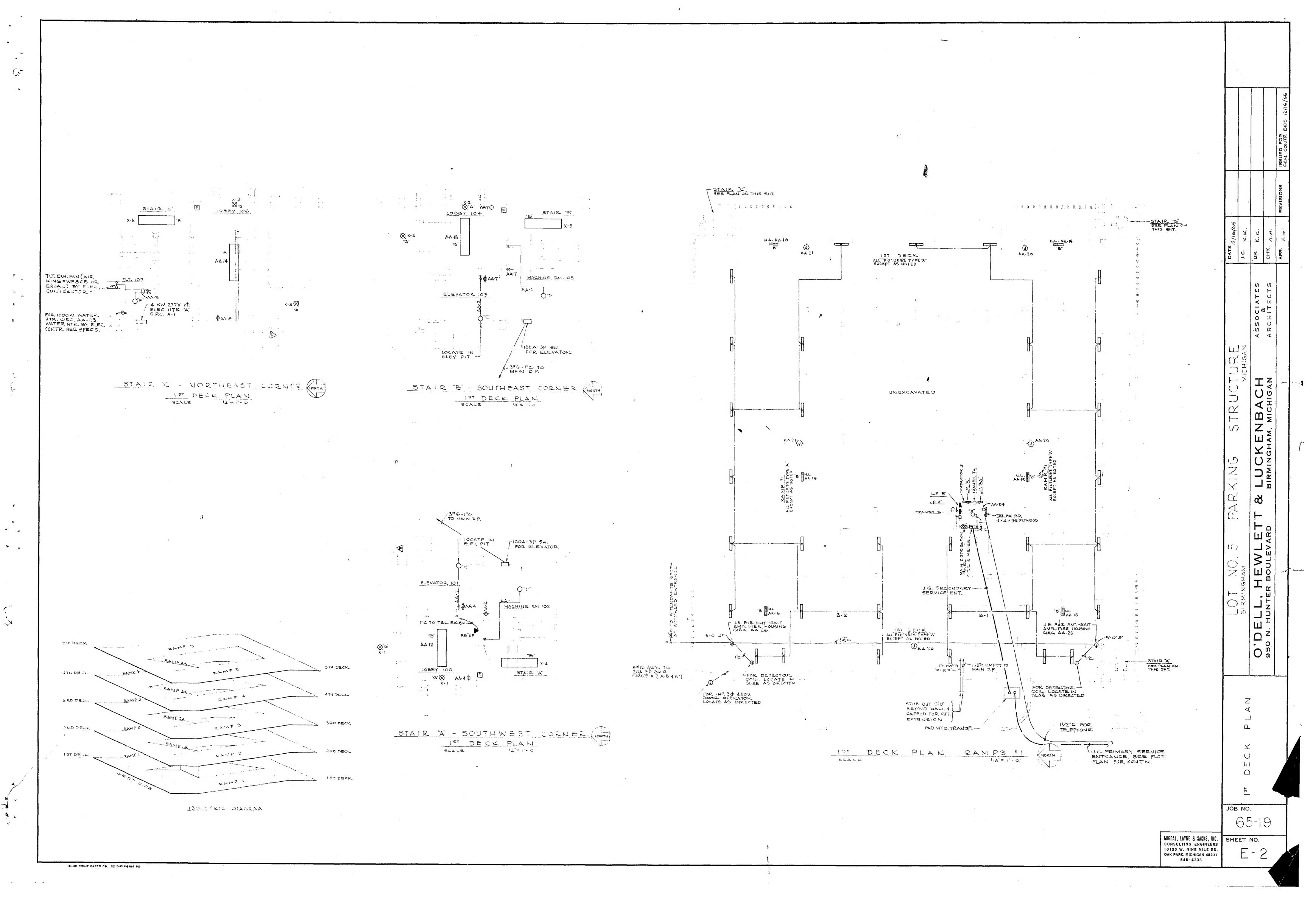


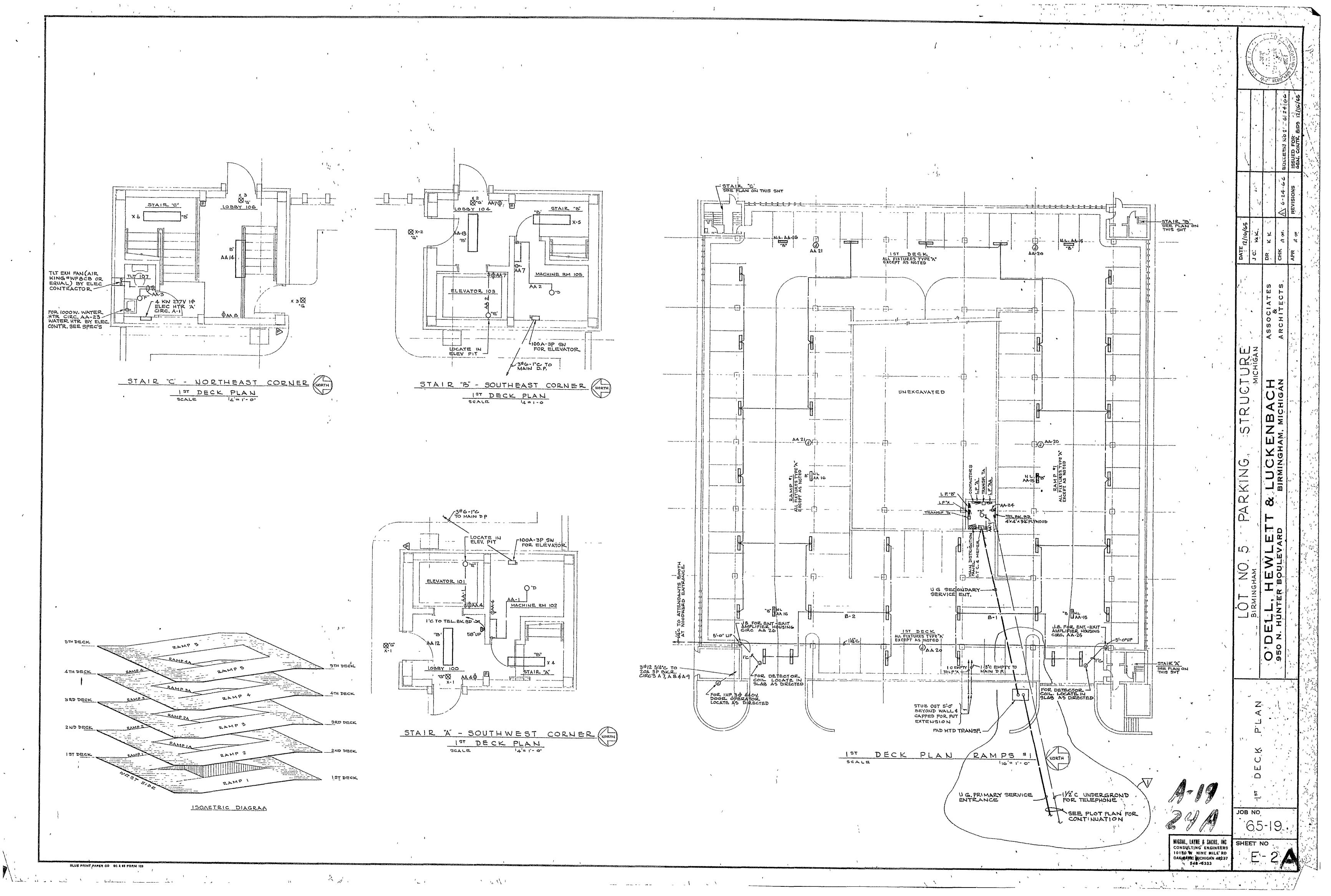


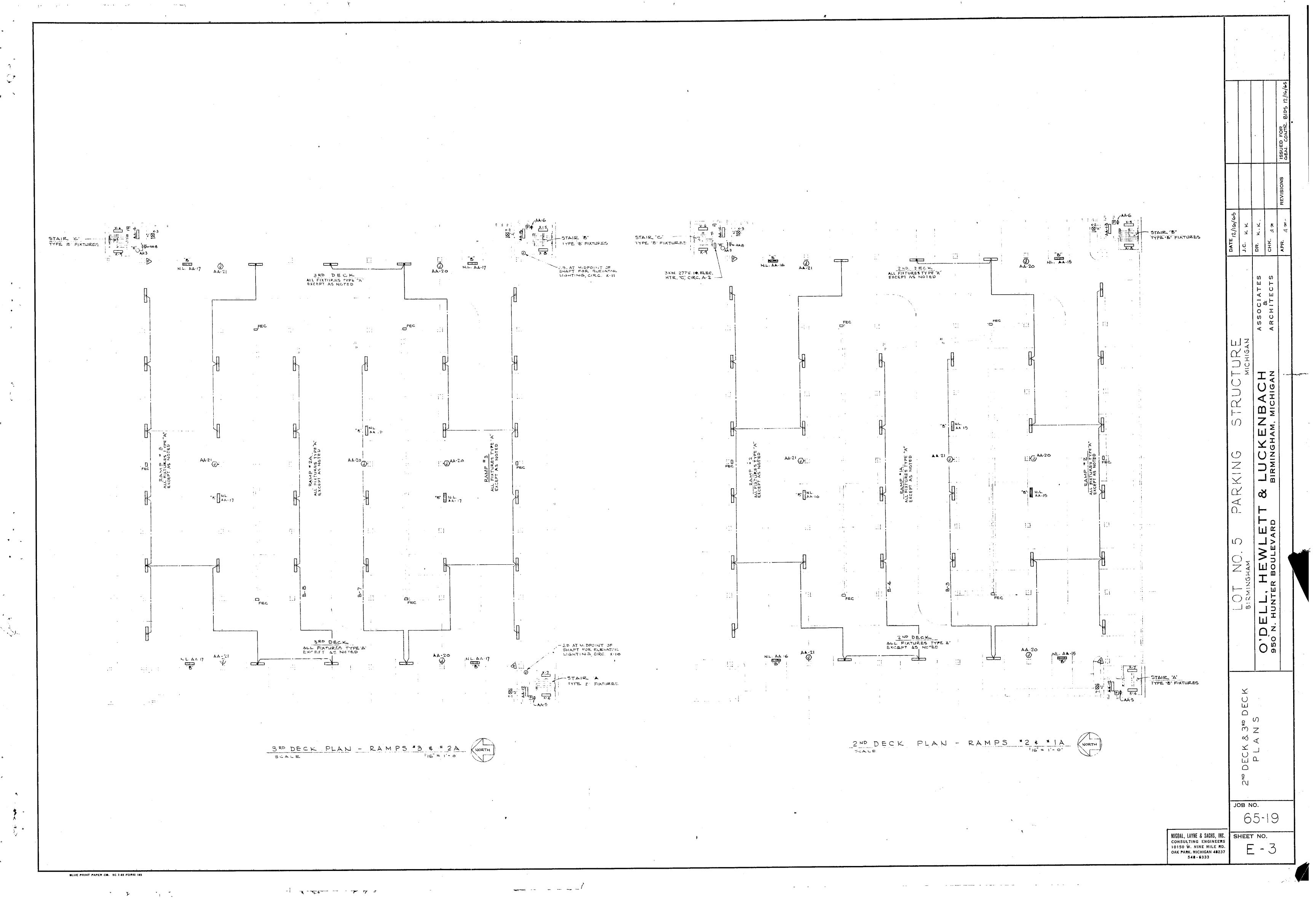


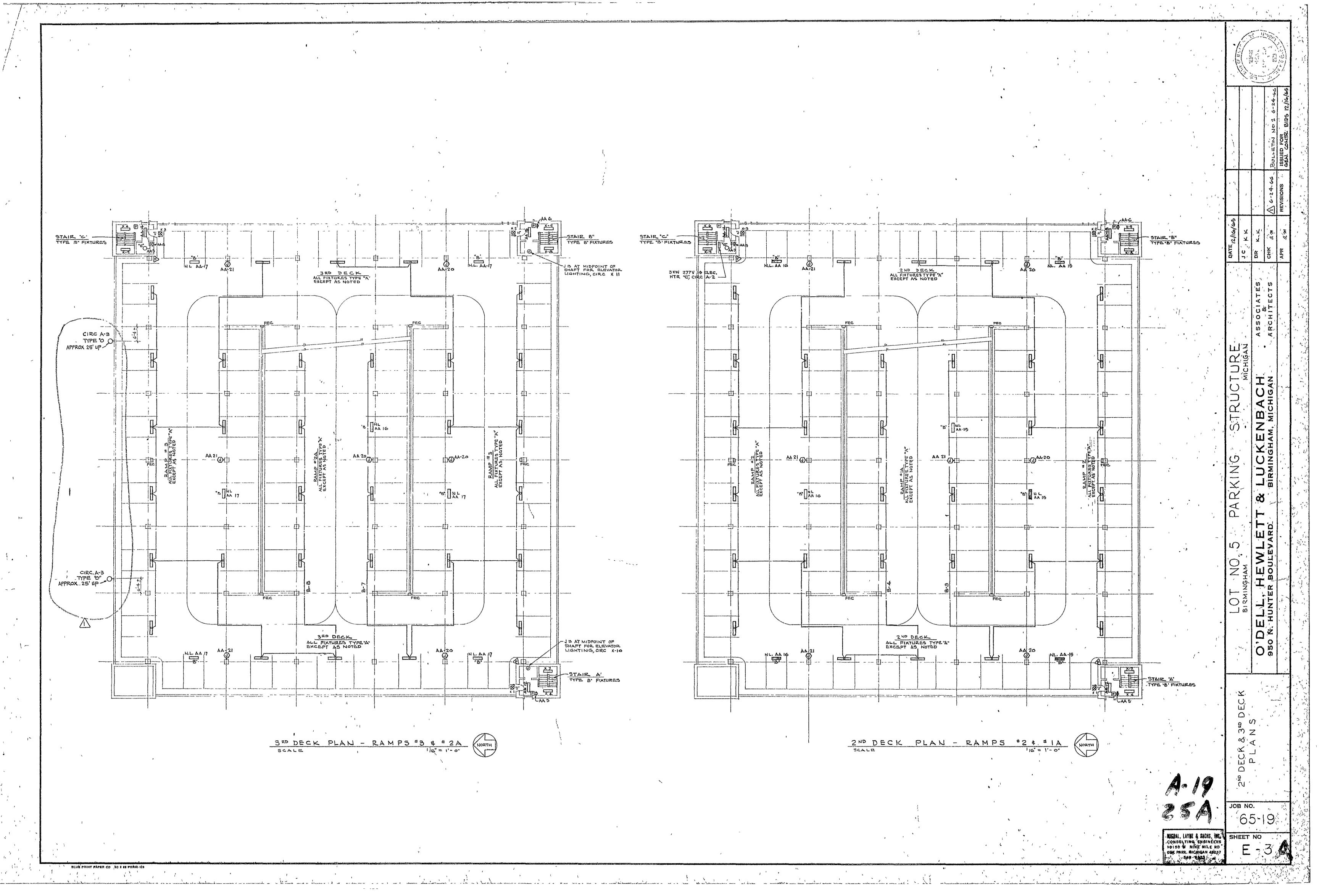


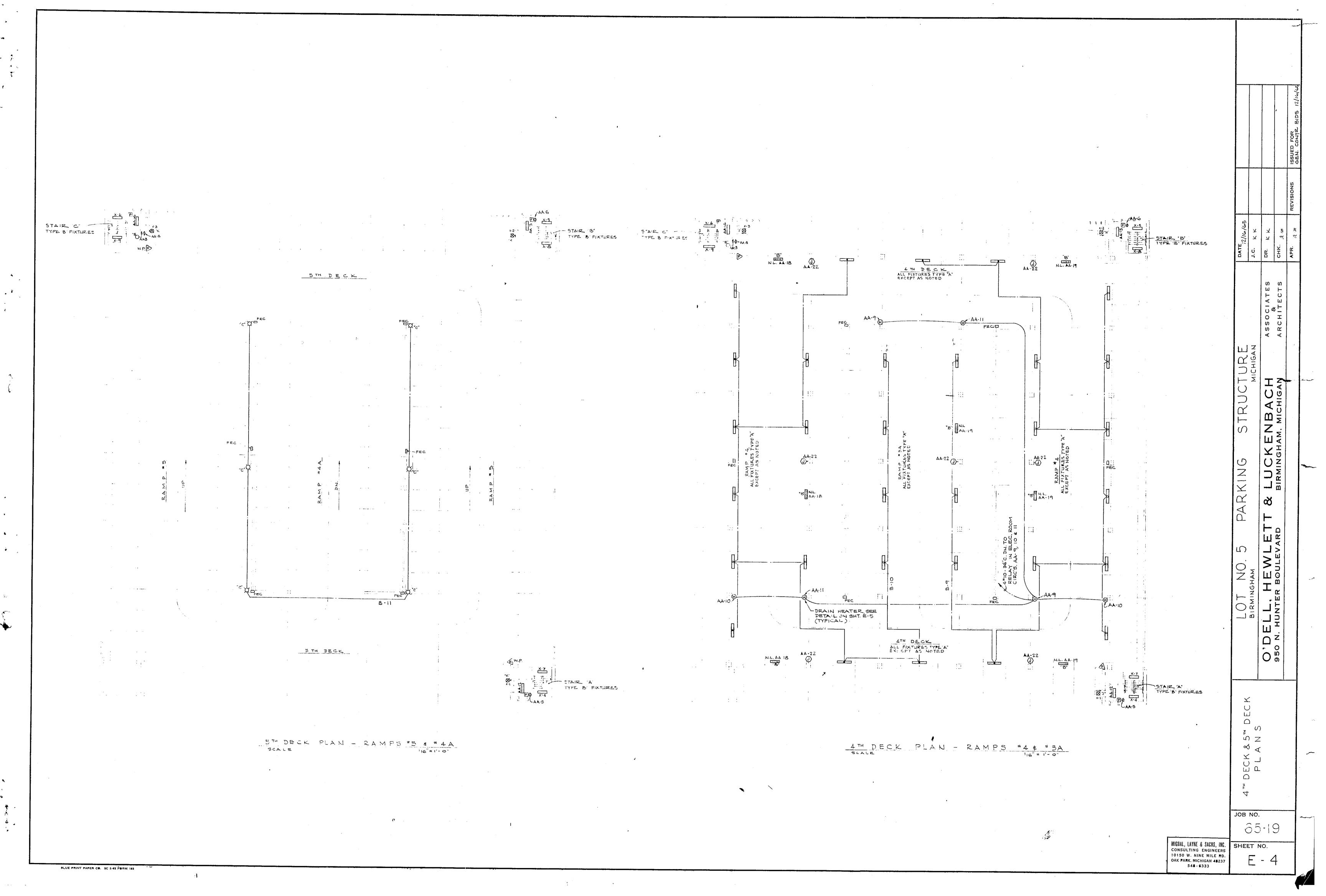


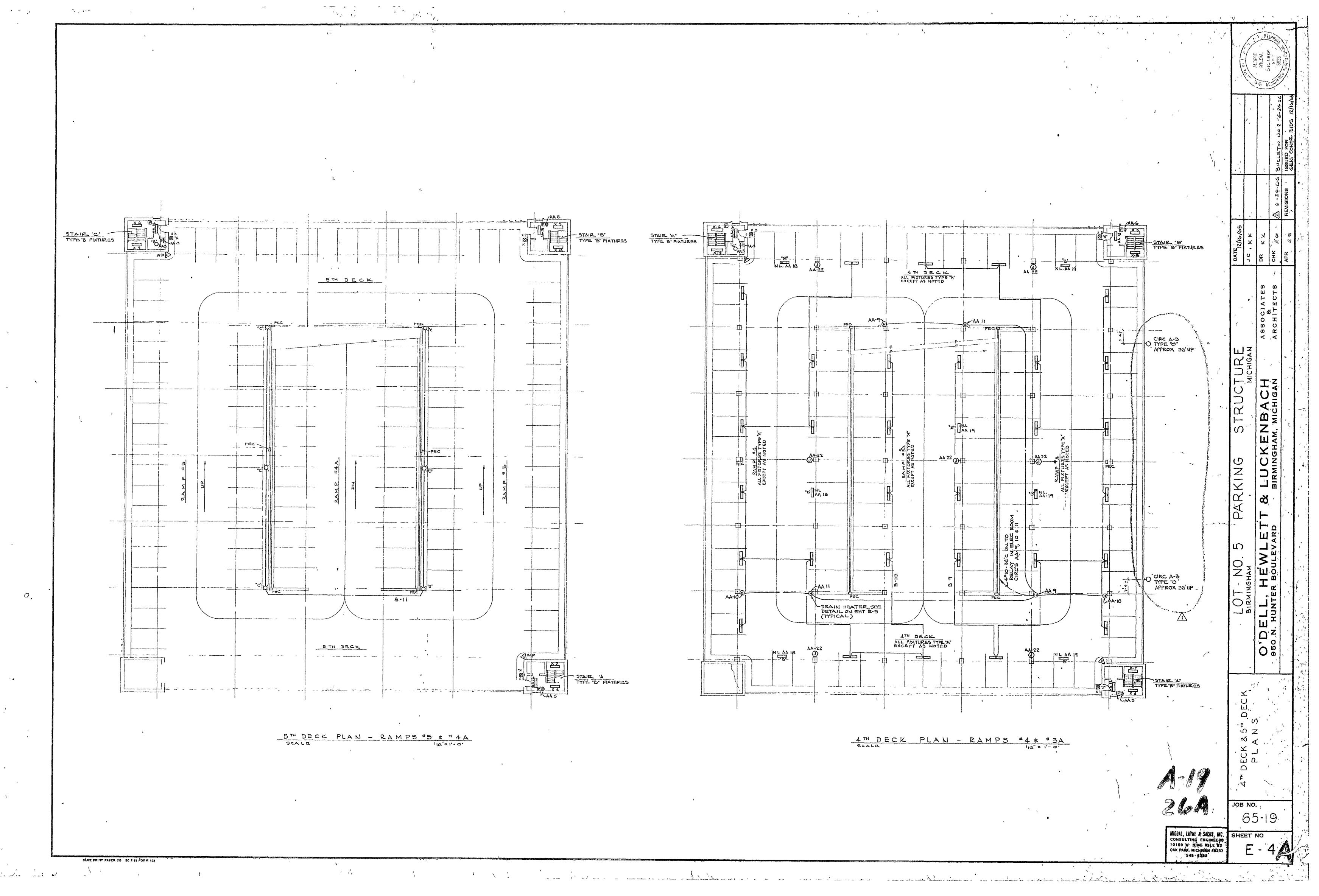


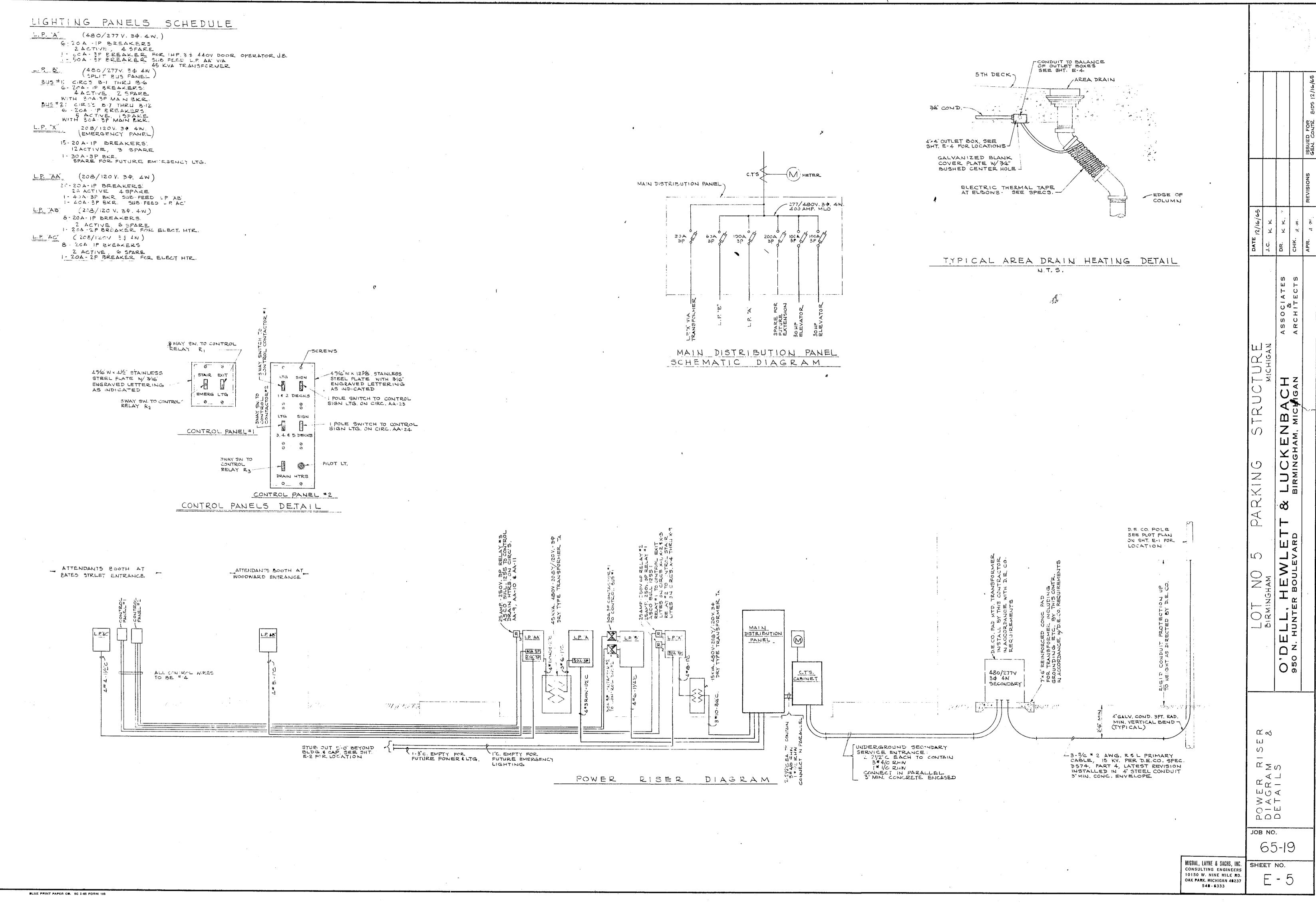


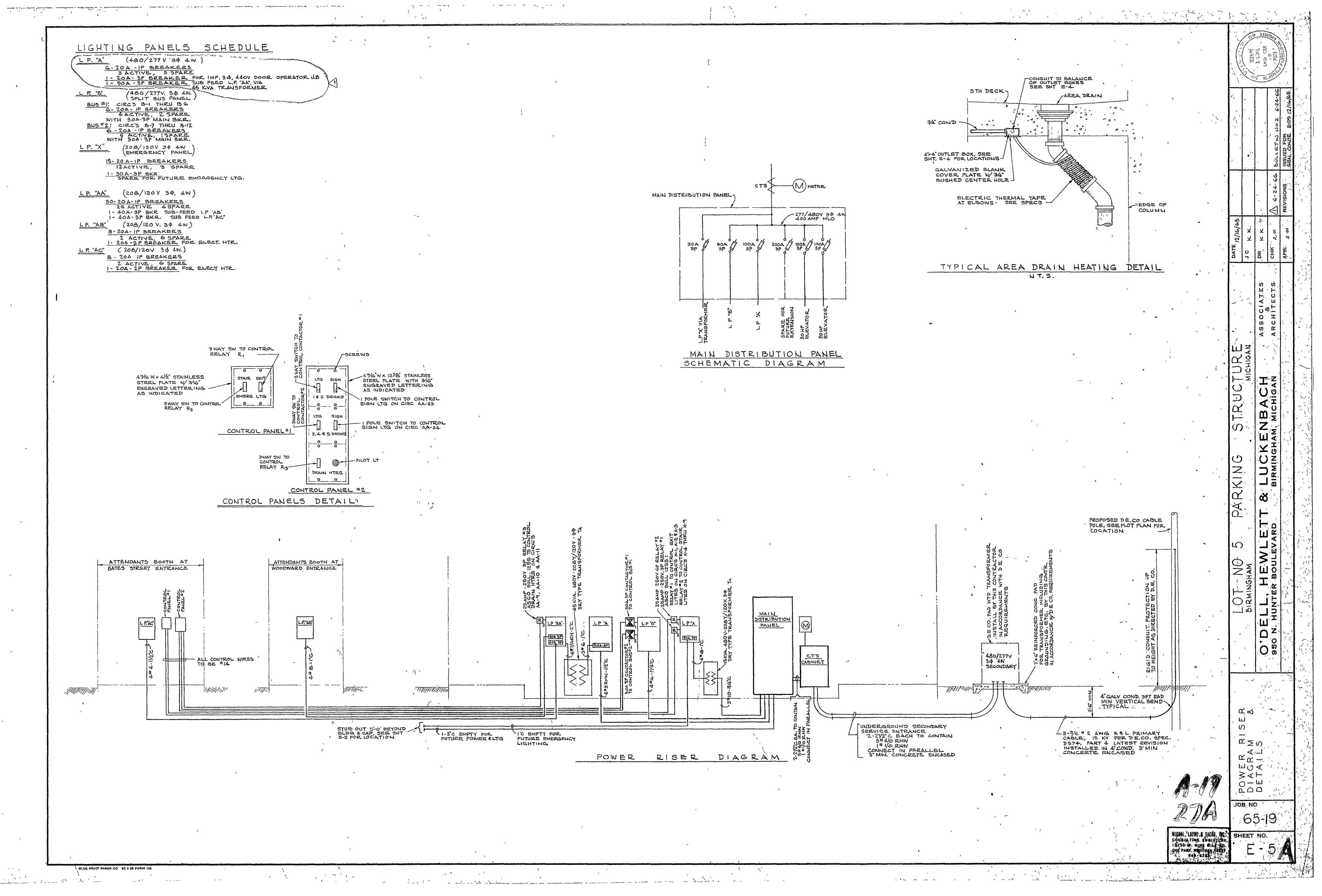


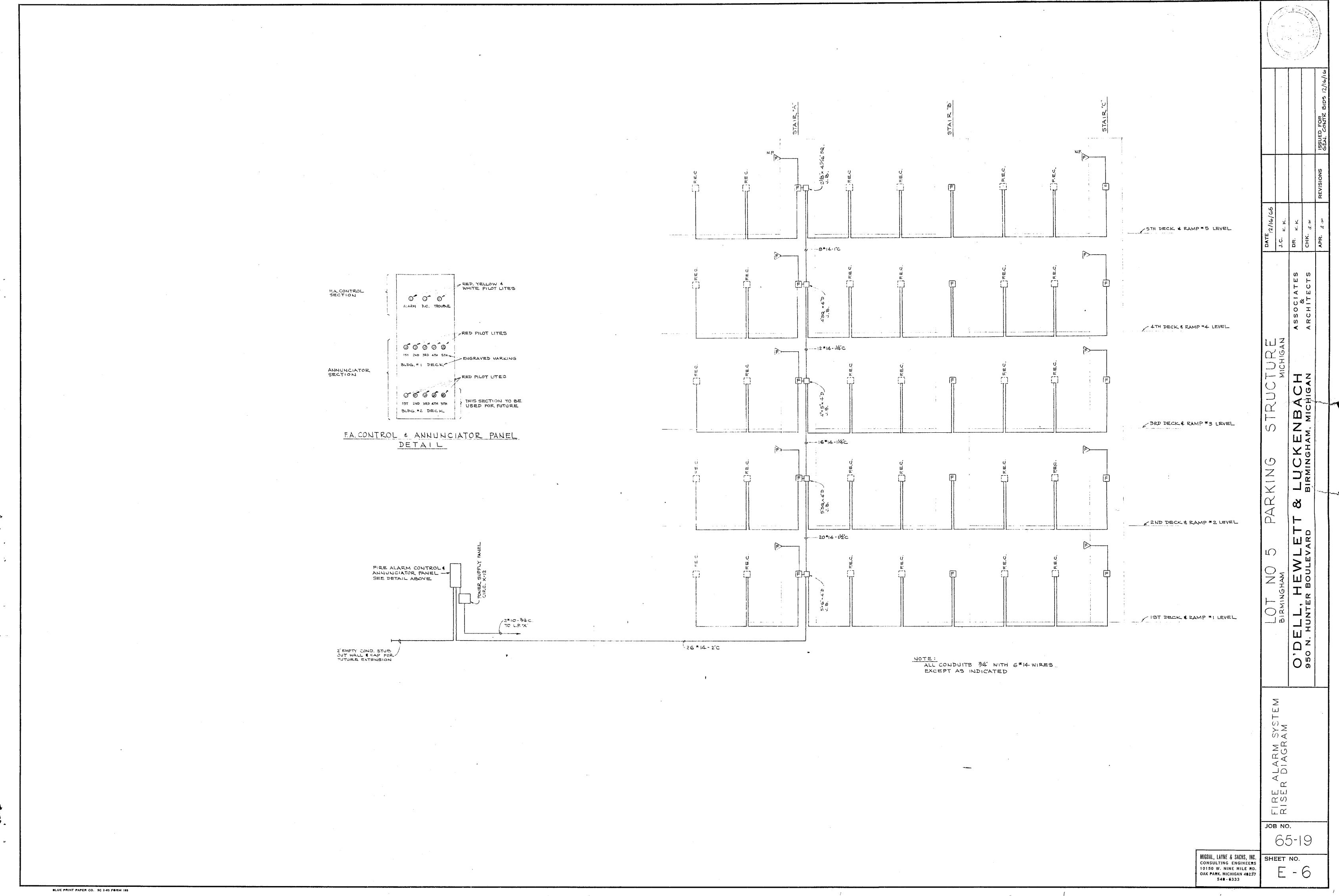


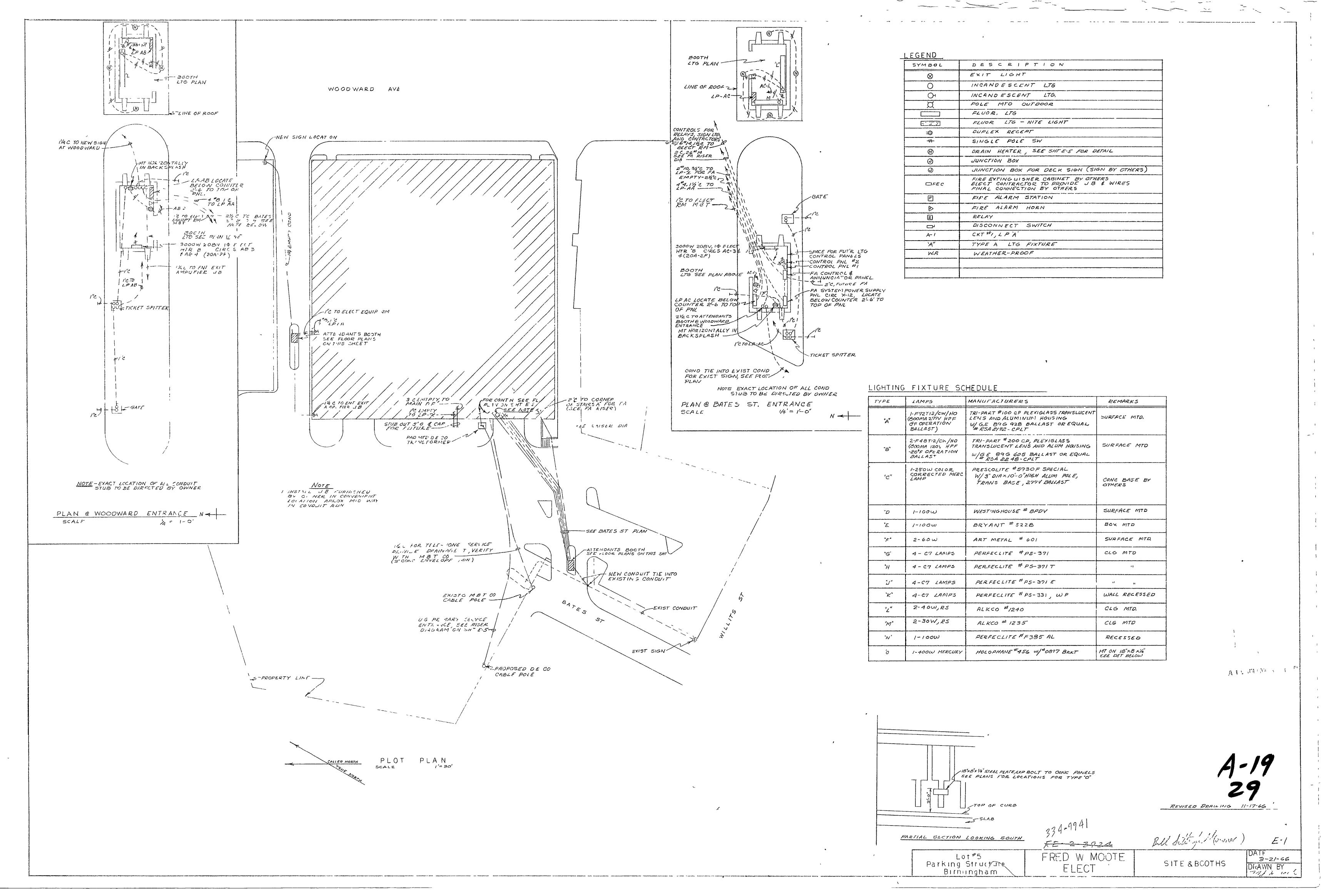


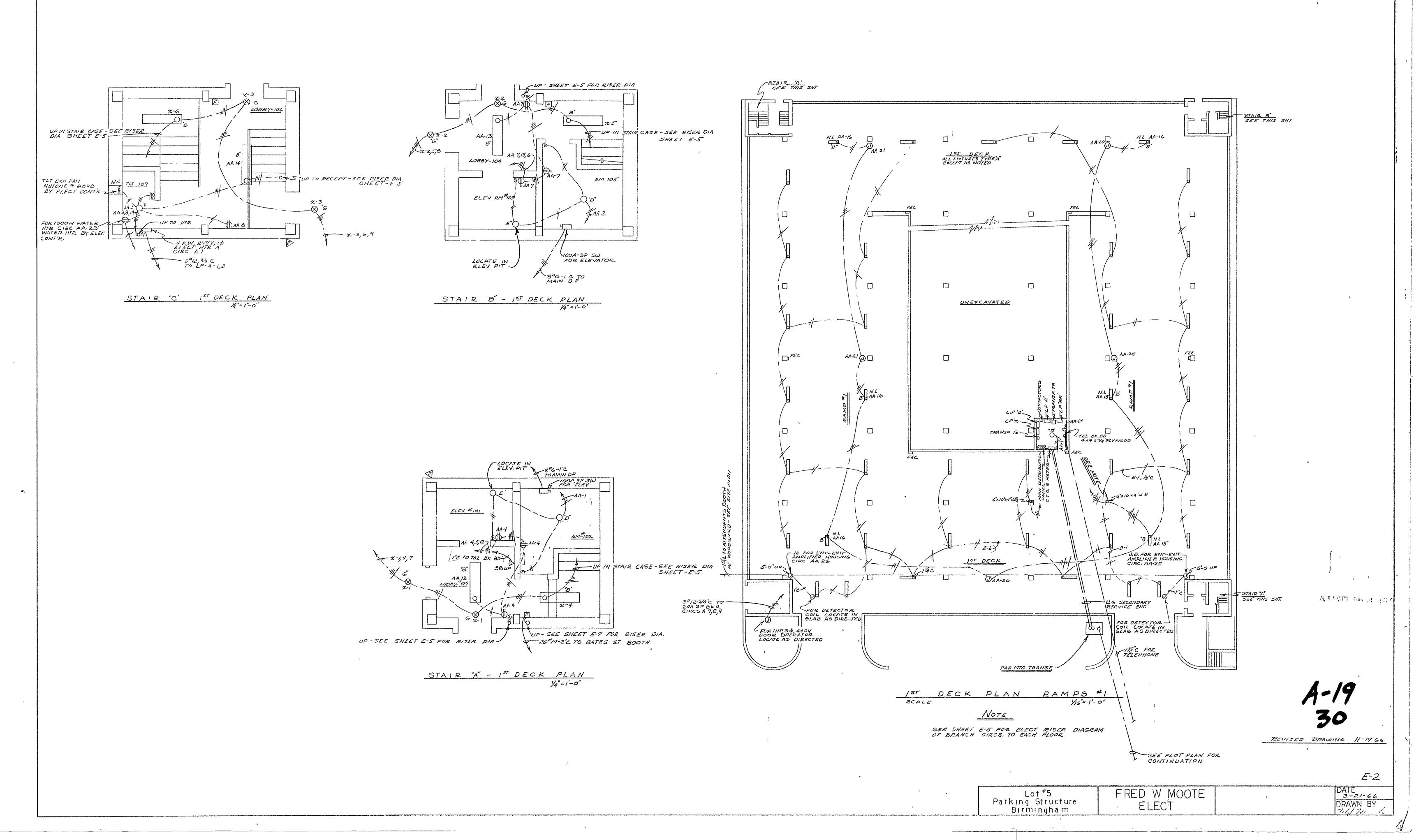












STAIR 'C C B AA 17 A-3 APPROX 25 UP-3\*/2,3/4°C B-7,8 6'x10'x4'JB AA 15,20,16,21-6#12,1°C JB AT MIDPOINT OF SHAFT FOR ELEVATOR LTG CIRC #10 A frame many more TYPE B'FINTULES TYPE B' FXTURES 2ND DECK PLAN - RAMP5 #2 # 1A

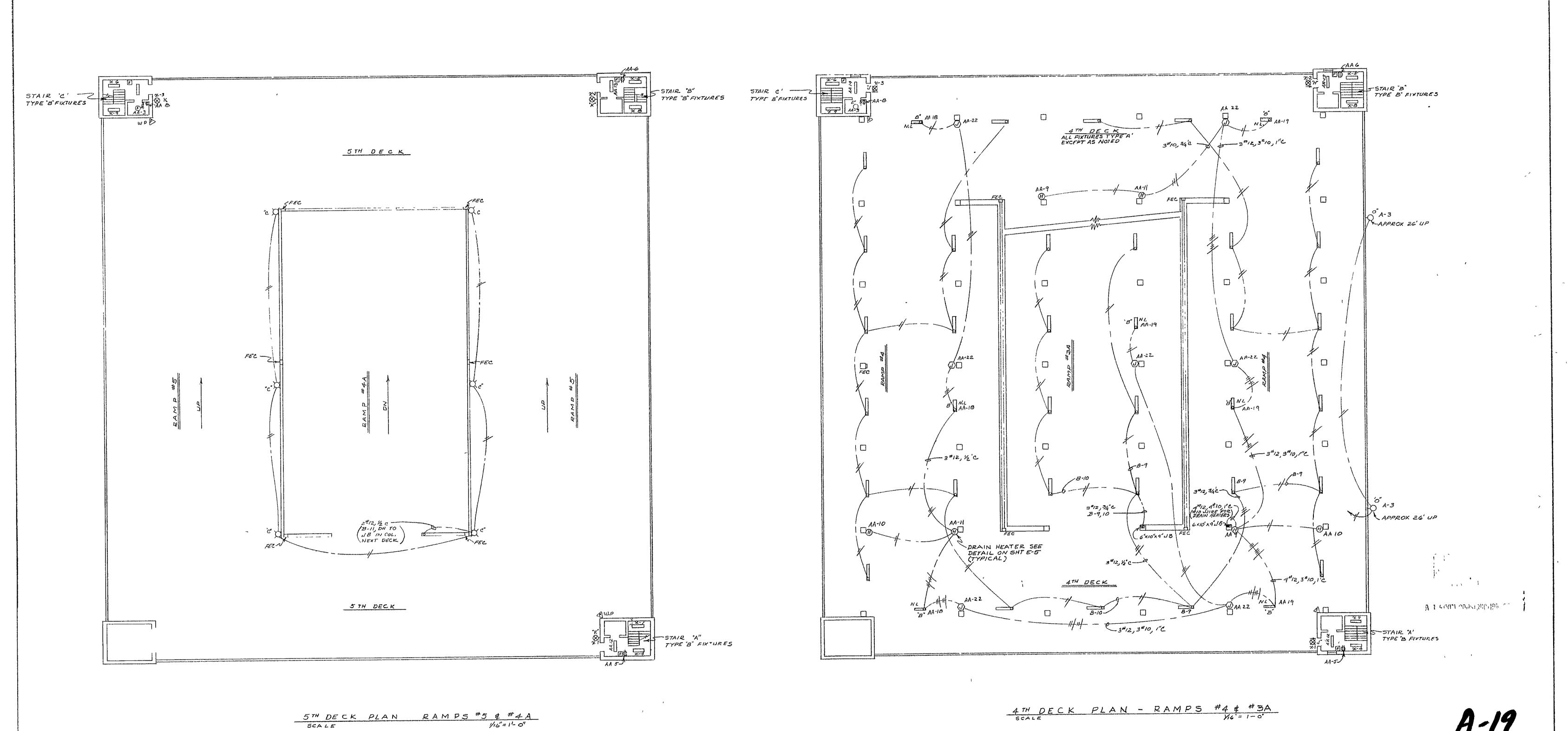
SCALE

106"= 1'-0" 3 RD DECK PLAN - RAMPS #3 \$ # 2A
SCALE
VIG" = 1"-0"

219 31 REVISED DEAWING -4-13-66

Parking Structure ELECT.

DATE, 3-21-66 DRAWN BY

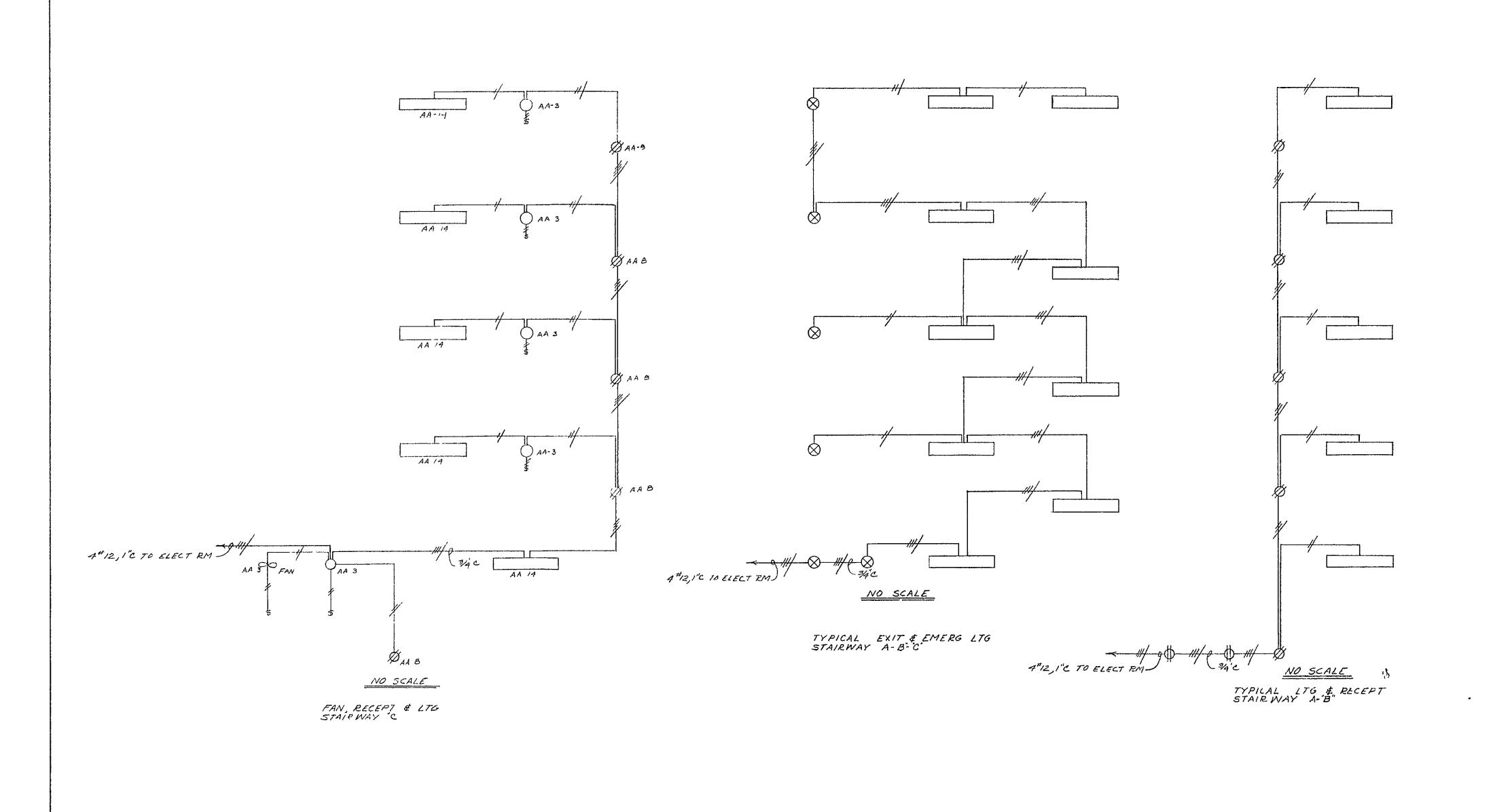


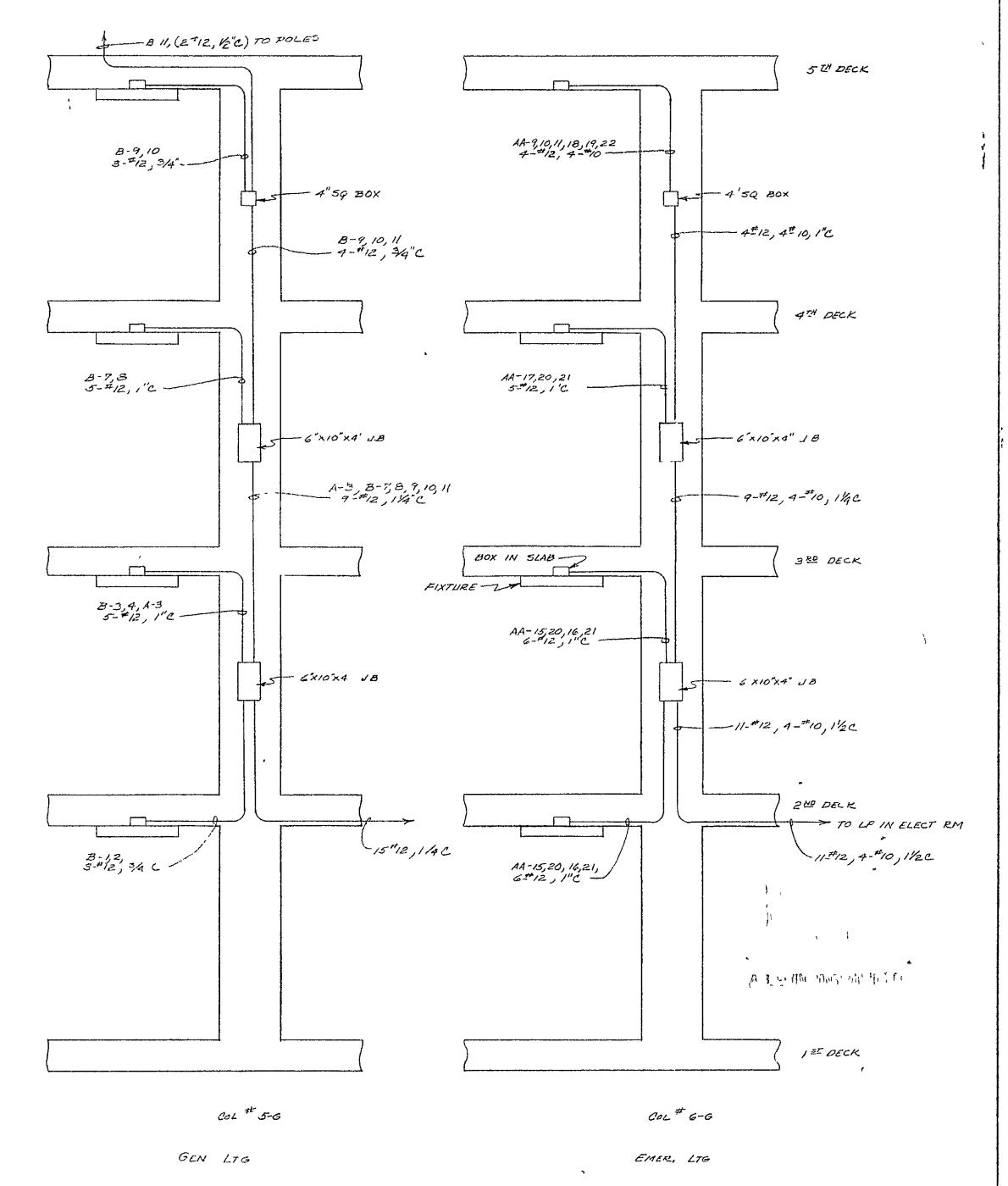
77-17 32; REVISED DEAWING 6-13 66

Lot#5
Parking Structure
Birmingham

FRED W MOOTE

DATE 3-21-66 DRAWN BY My Hellock





NO SCALE

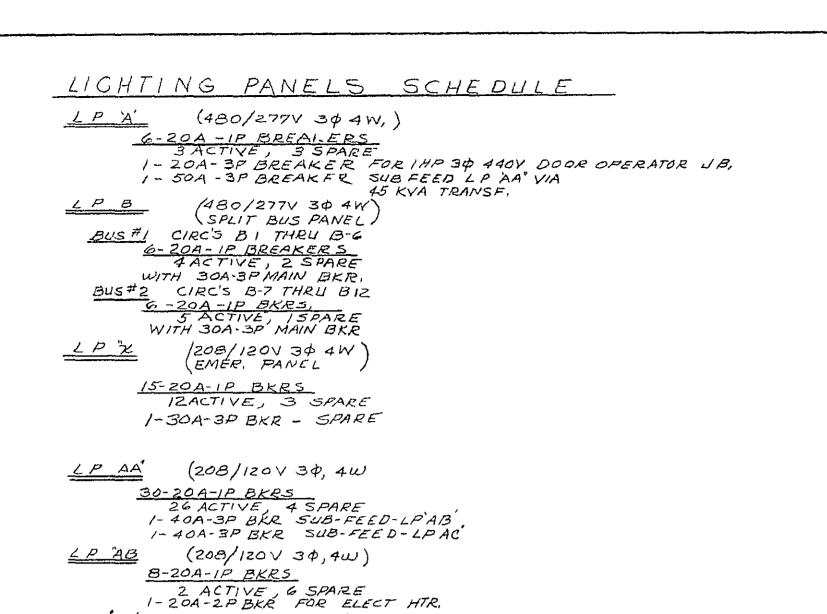
RISER DIAGRAM OF HOME RUNS FROM EACH DECK

A-19 33

REVISED DEAWING 6-13-66

Lot#5 FRED W MOOTE
Parking Structure ELECT

DATE
3-21-66
DRAWN BY
MARKETON

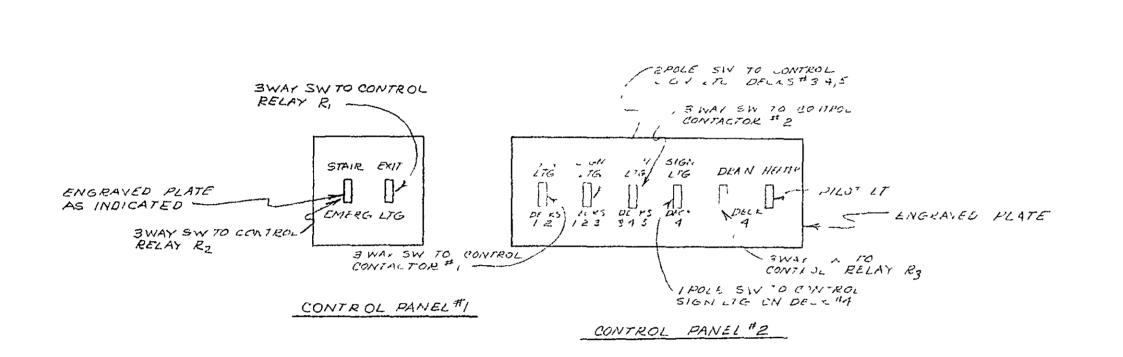


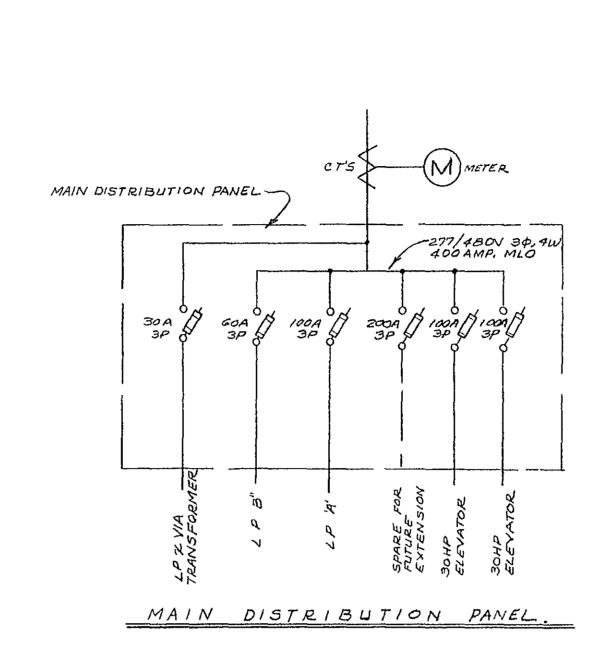
LP AC (208/120V 3\$ 4W)

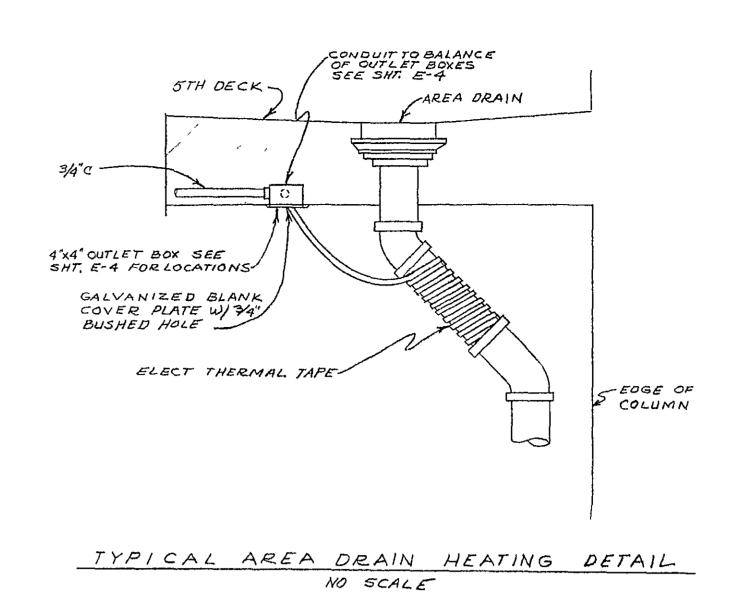
1:11

B-ZOA-IP BKRS

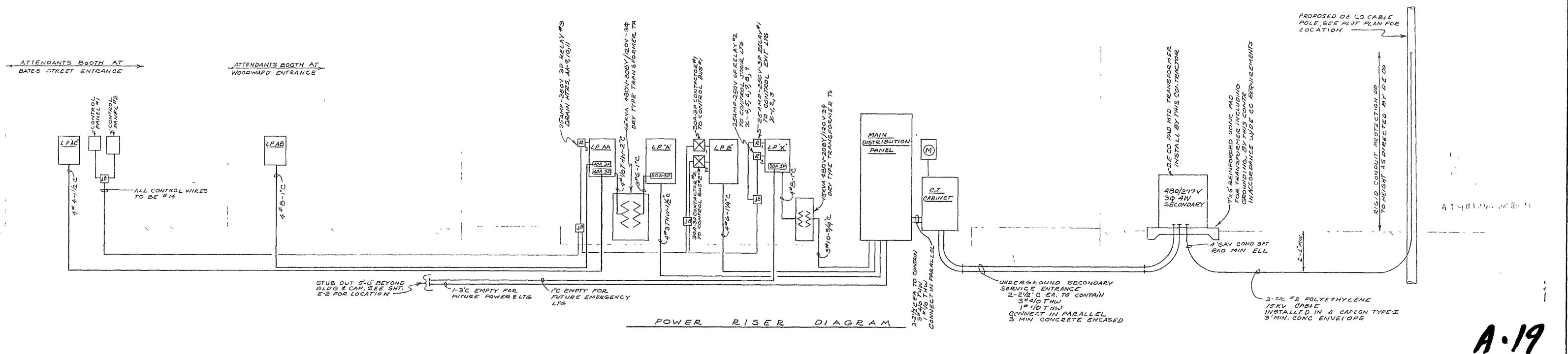
2 ACTIVE, 6 SPARE
1-ZOA-2P BKR FOR ELECT HTR







CONTROL PANELS DETAIL

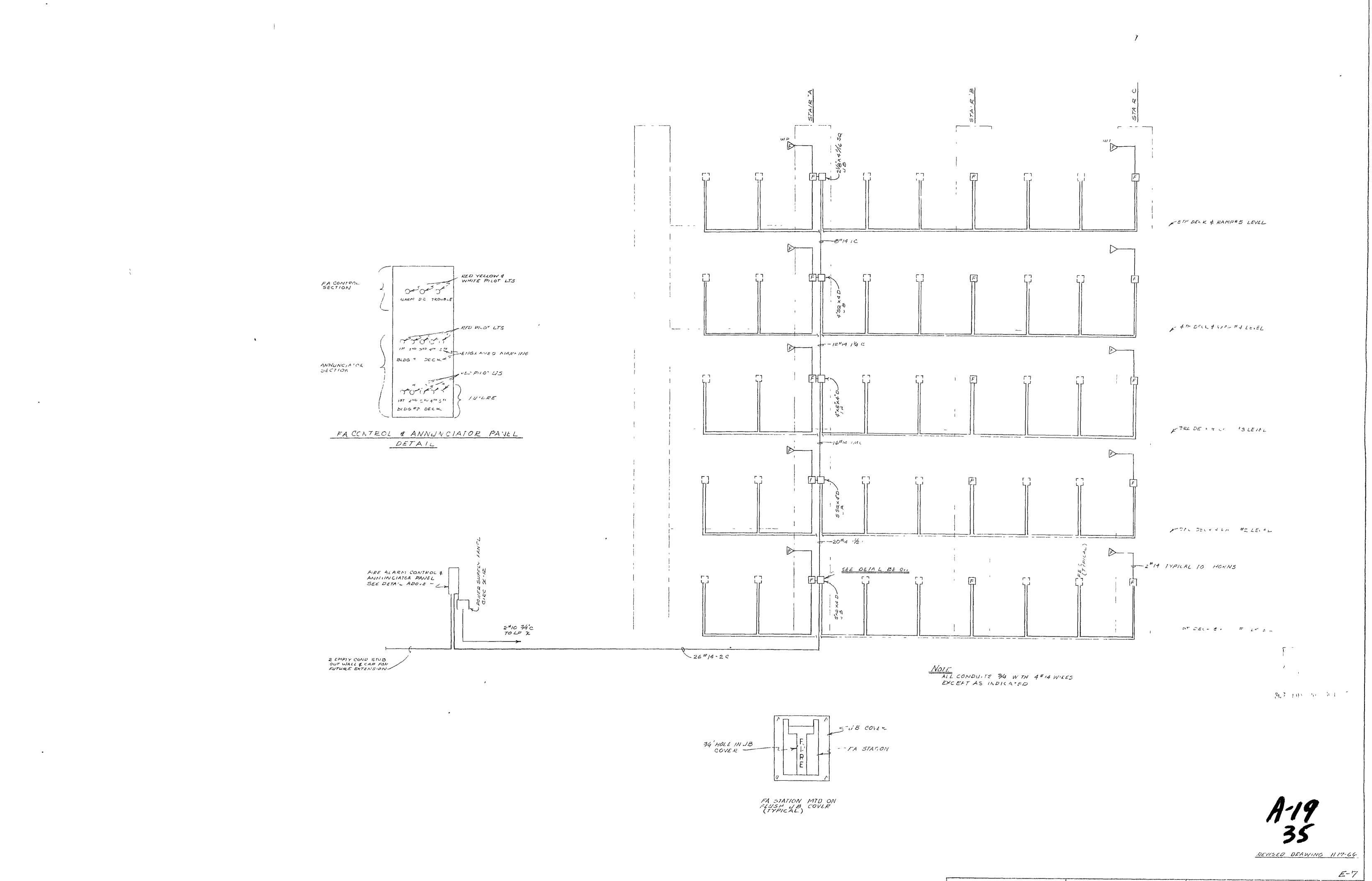


Parking Structure Birmingham

FRED W MOOTE

DAIE 3-21-66

DRAWN BY



DATE 3-21-66 DRAWN BY

Lat "5 Parking Structure Birmingham FRED W MOOTE FLF(T

FIRE ALARM RISER DIAGRAM

## CITY PROPERTY INVENTORY

Quarter Section S.W. 25 Assessor	's No	7	2-1 5A-1 5A-1		_ Si	te	No.	60
Name Parking Lot #5	Dat	e o	f Na	me	a protection in construction	- Odrovanska	of a State of State o	
Street Location Woodward - Bate	s ar	d W:	<u> 111</u>	ts			14	
Legal Description:								
See attached shee	t.							
Anna de la companya d								
						, Mi		
Area 3 A	00-0							
Purpose for Acquisition Parking	g loi							in afficient agency Laporthy
Restrictions		er andre St. Austria		je.		%. incested 0.0	Harman district	and make the soul
Dedication								Allen in Sangarana and Allen Co. Ala
Present Use parking lot								Power state of the source consideration.
Proposed Development								
Source of Funds for Acquisition Miscellaneous Information:	6							Majaratan ayan ayan asalan dan ayan ayan da Majaran ayan da Majaratan da ayan ayan da Shirik da ayan da Shirik da ayan da Shirik da ayan da Shirik da Ayan

	Remarks		6.5					I T Y P H O F E E	uoijosk veixeu?
	Authority			8864m vall 3, 5044man	ESV.	R-399-1961			Heme Parking Street Location Legal Descripti
	Consideration	33,000	Andread management	A Obstancy of Norwander	n de marie de separa de la constante de la con	74,500			
	Recorded Liber   Plat	90	9	9	0 24 25	9	0 2		
	Date	2-17-61	5-22-61	5-13-65	3-18-66	53-6	3-7-65		emme des lignes de Marian. A de la 100 des réferênces des représentes de su, un incrembra entre la companya de compa
	Conveyance	W.D.	A.	Ç.	0.0	Cond.	9.		ency for the second
· v · .	Lot		MCPASH I RESISTAN	9		ස ති ස් ස්	Jewa .	ingenerative of the property of the property of the contract o	oferse barocore
	Legal	A-323	A-323	A-323	4-404	A-323	A-404		entre la secono
	Parcel						Arrest Control		

## MUNICIPAL PARKING LOT #5

All or part of Lots 1 through 8 inclusive and a portion of vacated Bates Street of Schlaack's Subdivision, and all or part of Lots 10 through 16 inclusive and part of Lot 19 of Assessor's Plat #27, being further described as follows:

- Beginning at the southwest corner of Lot 19 of A. P. #27;
- thence N 42° 15' 28" E, 249.46 ft. to a point on the easterly line of said Lot 19, said point located 134.64 ft. from the northeast corner of said Lot 19;
- thence S 30° 40' 20" E, 92.00 ft. along said easterly line of Lot 19 to a point;
- Ithence N 59° 30' 13" E, 184.09 ft. to a point on the easterly line of said Lot 16 of A. P. #27, and the westerly line of Woodward Avenue (100 ft. wide), said point located 37.62 ft. from the northeast corner of said Lot 16:
- thence \$ 30° 33' 40" E, 242.36 ft. along said westerly line of Woodward Avenue to a point;
- thence S 63° 11' 50" W, 16.19 ft. along a line 10 ft. northerly of and parallel to the southerly line of said Lot 11 of A. P. #27 to a point;
- thence S 26° 48' 10" E, 10 ft. to a point on said southerly line of Lot 11;
- thence S 63° 11' 50" W, 103.15 ft. along said southerly line of Lot 11 to a point;
- thence S 59° 26' 20" W, 99.61 ft. to a point;
- thence S 14° 06' E, 159.56 ft. along the east line of said Lot 2 of Schlaack's Subdivision, and extension thereof, to a point on the north line of Willits Street as widened;
- thence along said north line of Willits Street on a curve to the right with a radius of 200 ft., an arc distance of 28.03 ft., a chord bearing of S 82° 42' 25" W, and a chord of 28.01 ft. to a point;

MUNICIPAL PARKING LOT TO

\_ 2 \_

All or part of Lots I through 8 inclusive and a portion of

thence S 86° 43' 19" W, 95.65 ft. along said north line of Willits Street to a point;

thence N 48° 14' 33" W, 14.13 ft. the a point on the east line of Bates Street (50 ft. wide);

thence N 3° 13' 17" W, 127.69 ft. along said east line of Bates Street to a point;

thence S 87° 53' 23" W, 149.39 ft. along a line parallel to and 36 ft. southerly of the north line of said Lot 8 of Schlaack's Subdivision to a point on the west line of said Lot 8;

thence N 20° 17' 27" W, 164.97 ft. along a west line of said Schlaack's Subdivision to the point of beginning of this description.

WTK/sf 11-18-69

orthorly of and parallel to the souther

thence E 36" 48' 10" E, 10 ft. to a point on said southerly

hence E 63 11 50" M, 103.15 ft. along said southerly

beace 5 58° 26' 20' W 98.61 ft. to a point;

thence E 14 06 E 159.56 ft. along the east itne of sald Lot 2 of Schlaack's Supdivision, and extension thereof, to a point on the north line of Willits

Burec: 15 Widehed;

garve to the right with a radius of 200 ft., an are distance of 25.03 ft., a chord bearing of a second of 25.03 ft., a chord of 25.03 ft., a chord of 25.03 ft., a chord of 25.03 ft. to a

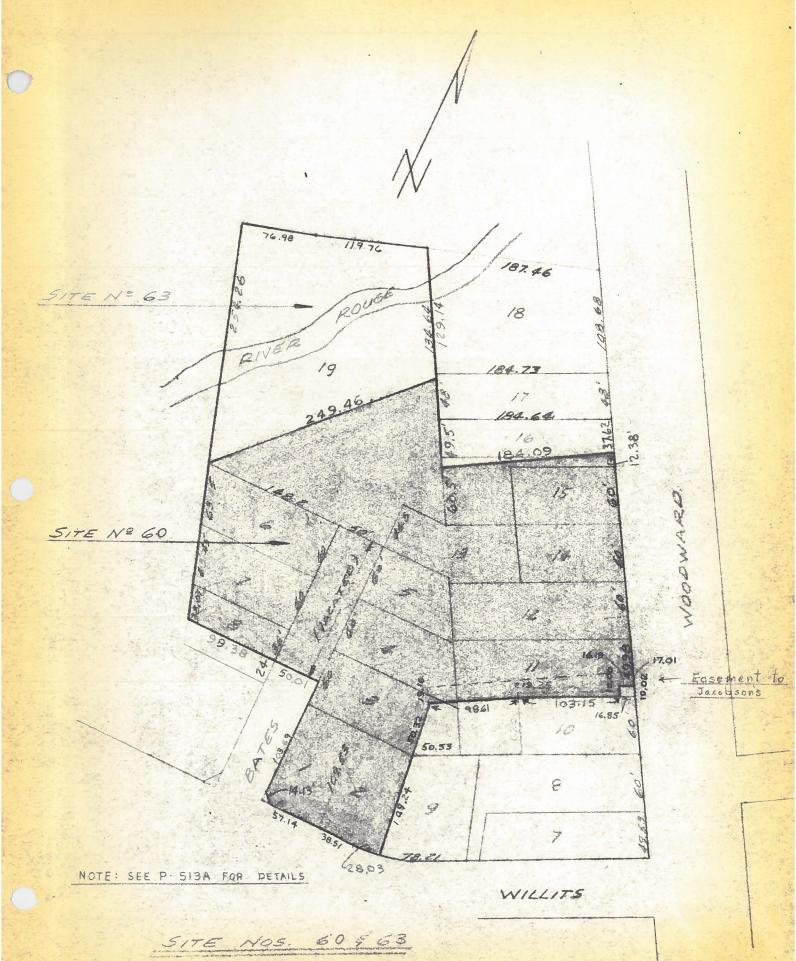
THEOR

11976 SITE Nº 63 18 RIVER 16 184.09 15 SITE Nº 60 WOODWARD PARKING 17.01 Easement Jacobson's 103115 50.53 48.03 NOTE: SEE P-513A FOR PETAILS WILLITS 60 9 63 SITE NOS. 1"= 100 10.27-61 188. CORR 1-4-72 MX

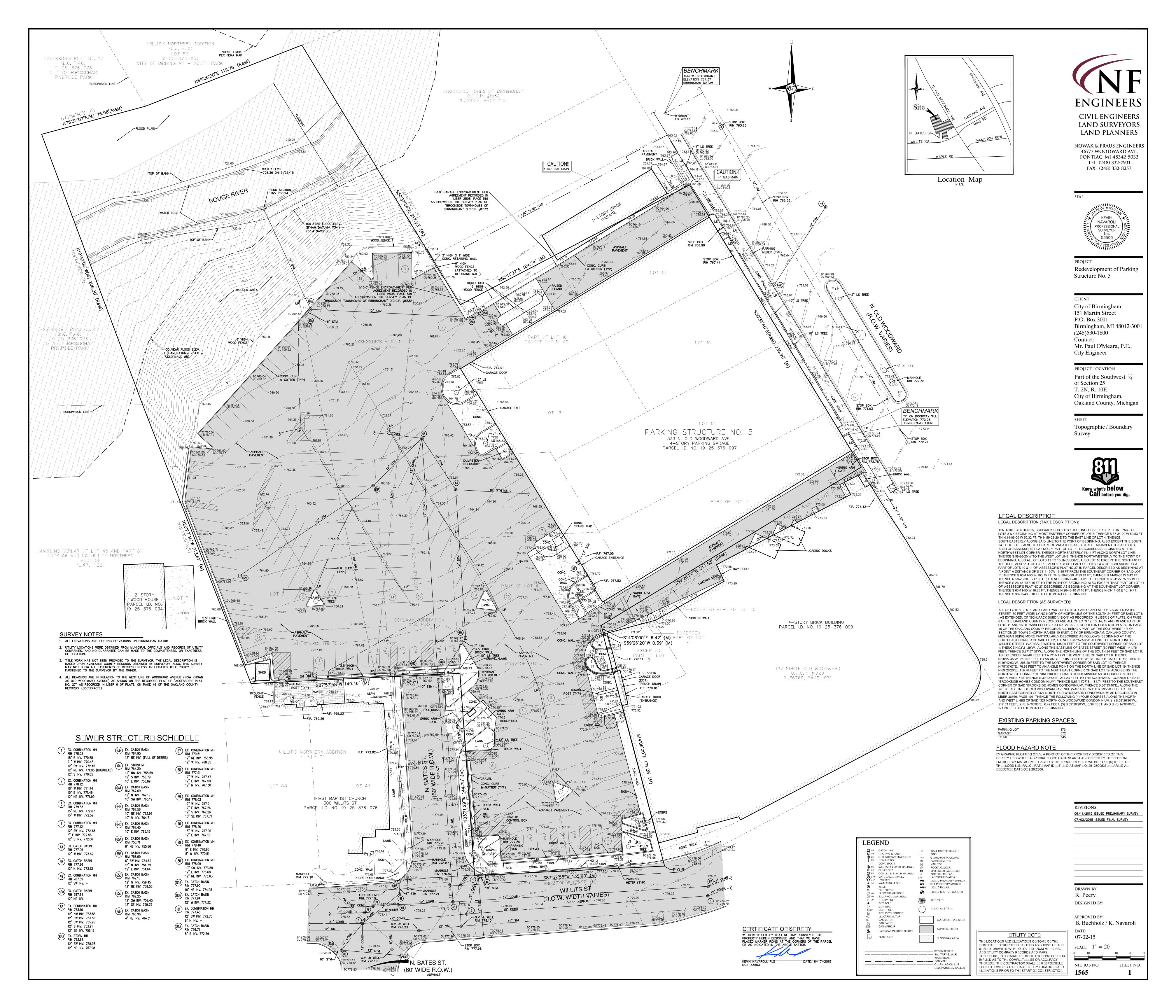
## CITY PROPERTY INVENTORY

Name Date of Name			
Street Location Rouge River - N of Oakland, W of	Woody	ard	
Legal Description:			
"Assessor's Plat No. 27"			
North portion of Lot 19 measuring 254.26 on wes line and 134.64 ft. on east lot line	st lot		
	8		
Area 1 A			
Purpose for Acquisition			
Reversion			
Restrictions			
Dedication			
Present Use Flood plain	Z \$- 1		
Proposed Development			
Source of Funds for Acquisition			
Miscellaneous Information:			
			ng diseline neg Propins un religion registrato
			Marine Sanfinds on segar Sanfasanine

	7 9 6 7	CITE PROPERTY INVEST	
	Site No	Cuarter Section S.W. Mb Assessor's Not 754-19	d
Remarks		Hans Date of Hane	State of the state
Ren			
		Legal Description:	
ity			
Authority			months change to the control of the
			A./Alechanicatis_deratores
Consideration			
dera	S		Activities and a second a second and a second a second and a second and a second and a second and a second an
ns Touc	St.		a version broadening on an
	an Principal Control of Control o		in the second se
Page	3		
Recorded Liber Pag			
Lib	(D		a de sierra. Er mei tecradi prid
Date	To a		
D. C.	9-87-	notararen.	
nce	Condo		generation (miles 4/1), the publishmen specifies one
Conveyance	3 T	action	
Conv	Condemn.	Faggar Use Flood plate	
10 10	ंडे		
	ted ted to a		
7 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	63		Appropries
2 124	A-323		d
9			
Parcel			and the second second



1"-100' 10.27.61 1.88. CORR. 2-12-65 WCO CORR. 1-4-72 MY

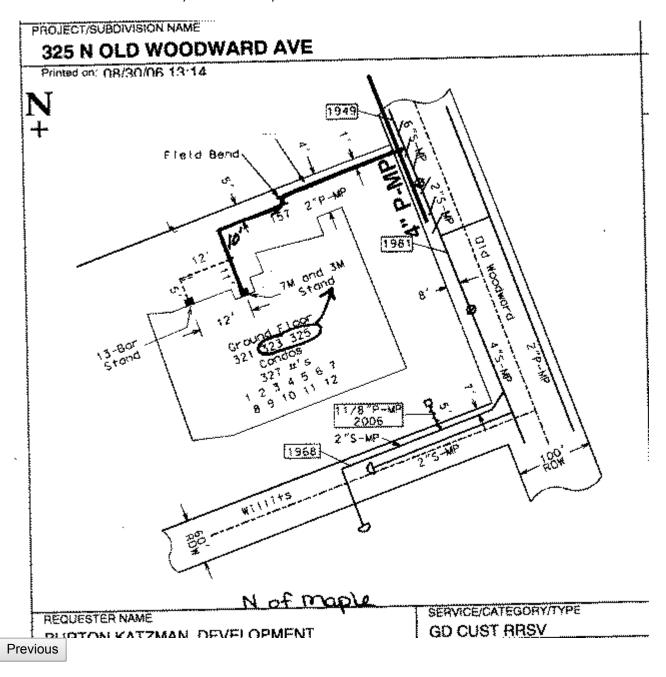


9/12/2018 AddressView



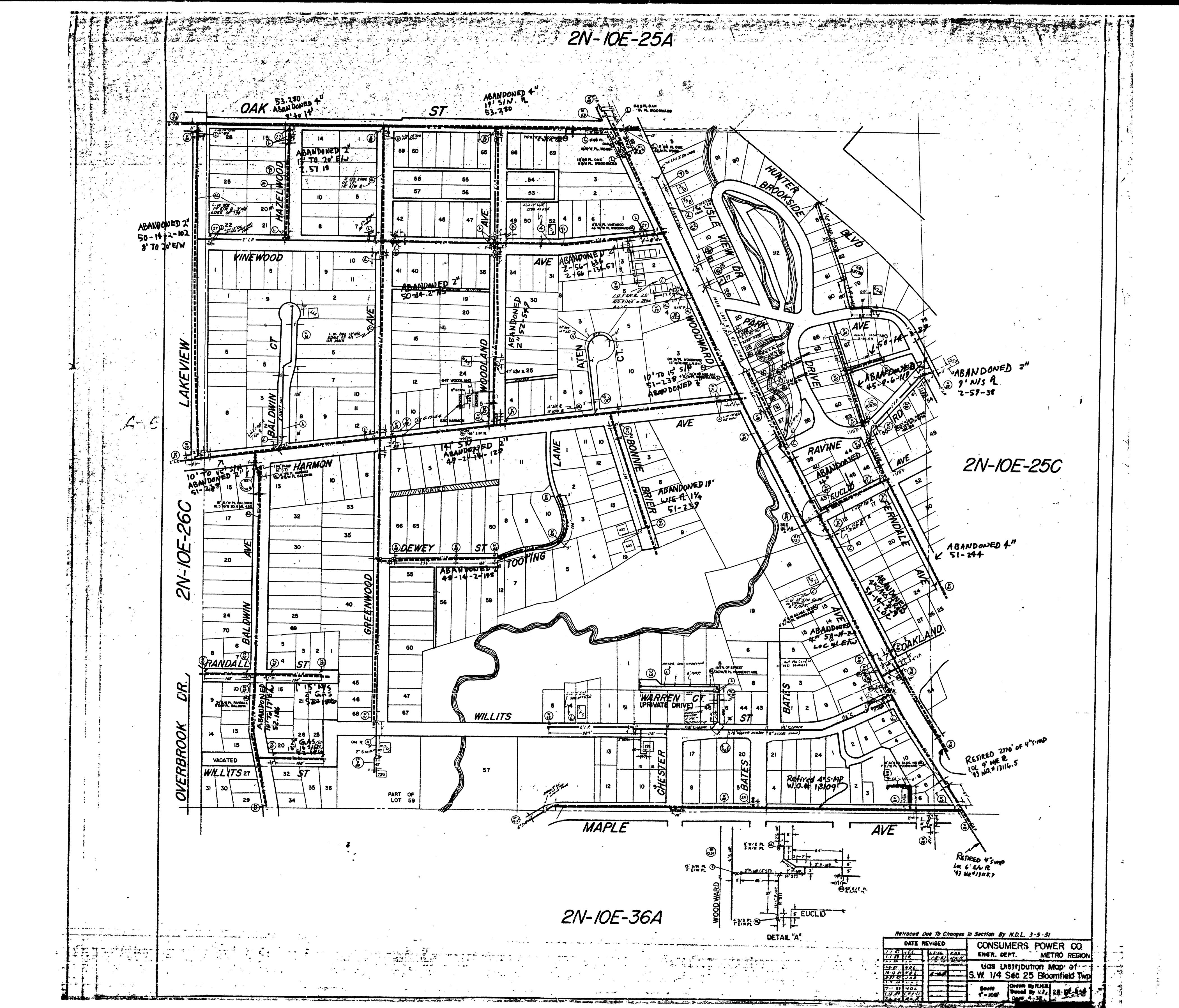
Address: 325 N OLD WOODWARD AVE, BIRMINGHAM

Gas Service Extension: 2" P , Inserted: N , Year Installed: 2006



Notice: This information is for design purposes only and is not reliable for construction. All locations are approximate, facilities may have been added and/or altered after any revision or asprinted date, and service lines may not be shown. Field staking is available at no charge by calling MISS DIG (800-482-7171) three working days in advance of the digging, and the precise location and depth of all underground facilities must be identified in accordance with the MISS DIG Act, PA 174 of 2013 as amended, and any other applicable law or ordinance. Use of these maps does not relieve the user of any legal duty to comply with all applicable laws or ordinances. Consumers Energy shall be consulted before any action is taken on the basis of this map, and the map must be destroyed when no longer needed.

**DETAILS** 02-60-25-2 DETAIL "A" DETAIL "H" 2004 05969829 R OAK ST (MB) 2"P-MP 1950 W DETAIL "B" DETAIL "I" (MB) (T) 2"S-MP 2"P-MP VINEWOOD AVE DETAIL "C" DETAIL "J" (1952 W)—— CONSUMERS ENERGY UNDERGROUND PLANT DETAIL "D" 02-60-26-4 DETAIL "K" 02-60-25-4 7 TEE V C (MB) DETAIL "E" DETAIL "L" DEWEY S 12' TEE CALL MISS DIG 800-482-7171 DETAIL "F" RANDALL ST WILLITS ST 2003 02099952 M DETAIL "G" 2003 5779275 Consumers Energy 02-60-25-3 TOWNSHIP:BLOOMFIELD REQUEST DATE SCALE: Varies Caution: Some locations are approximated for exact location of Gas Transmission Facilities (CPCO, MGS, T&S, CMS, MCV, NOMECO & Jackson pipelines & foreign gas main (PEPL), contact Gas Control in Jackson. COUNTY: OAKLAND EXCEPT FOR DETAILS 06-19-18 JLF ALL MEASUREMENTS ARE TAKEN FROM ACTUAL PROPERTY LINES UNLESS OTHERWISE NOTED. CENTER LINE MEASUREMENTS ARE TAKEN FROM CENTER LINE OF EXISTING ROADWAY, UNLESS OTHERWISE NOTED, AND MAY NOT BE CENTER LINE OF R.O.W. HEADQUARTERS: OAKLAND 02-60-36-2



## Freedom of Information Act (FOIA) Request :: F004028-091018

#### Oakland County Record Center

Fri 9/14/2018 9:50 AM

To:Scott Wasielewski < Wasielewski S@aktpeerless.com >;

09/14/2018

Scott Wasielewski **AKT Peerless** 

22725 Orchard LakeRoad Farmington, MI 48336 wasielewskis@aktpeerless.com

RE: FOIA REQUEST 39 ADDRESSES

BIRMINGHAM, OAKLAND COUNTY, MI

PARCEL #: 19-25-376-097 AND 19-25-378-028

REFERENCE NUMBER: F004028-091018

Dear Scott Wasielewski:

Per your request and a review of our records, the Oakland County Health Division (OCHD) has denied your request because the records understood to be requested do not exist. No information regarding landfills, on-site sewage disposal permits, water well permits, or well logs were found for the captioned properties. OCHD is not conducting ongoing monitoring of any groundwater pollutants for the properties, nor are there files for historical monitoring on these sites.

If you wish to modify your request by providing a complete list of specific concerns and properties, with date ranges for the information you desire, OCHD will provide available information in compliance with the FOIA.

It is recommended that you contact the Michigan Department of Environmental Quality as the agency has regulatory authority over certain environmental pollutants and monitoring activities. It is advised that you contact the local water supply and sewer agencies as they may have authority over certain aspects of the captioned properties. If

you have any questions, please contact this Division at (248) 858-1312.

#### YOUR FURTHER LEGAL RIGHTS

To the extent that this response, in your opinion, constitutes a denial of your Freedom of Information Act (FOIA) rights, your statutory remedies are as follows:

For FOIA denials, you may submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial. Within 10 business days after the head of the public body receives a written appeal he or she will do one of the following:

- 1. Reverse the denial.
- 2. Issue a written notice to you upholding the denial.
- 3. Reverse the denial in part and issue a written notice to you upholding the denial in part.
- 4. Under unusual circumstances, issue a notice extending for not more than 10 business days the time to respond.

You may begin a civil action in circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.

You have the right to receive attorneys' fees and damages as provided in MCL 15.240 if, after judicial review, the court determines that the public body has not complied with MCL 15.235 and orders disclosure of all or a portion of a public record.

For fee appeals, if the public body requires a fee that, in your opinion, exceeds the amount permitted under its procedures and quidelines or MCL 15.234, you may submit to the head of the public body a written fee appeal for a fee reduction that specifically states the word "appeal" and identifies how the required fee exceeds the amount permitted. Within 10 business days after the head of the public body receives a written fee appeal, he or she will do one of the following:

- 1. Waive the fee.
- 2. Reduce the fee and issue a written determination to the requesting person indicating the basis for the remaining fee.
- 3. Uphold the fee and issue a written determination to the requesting person indicating the basis for upholding the fee.
- 4. If necessary, issue a notice extending for not more than 10 business days the time to respond.

Within 45 days after the head of the public body issues a written determination on the fee appeal or if the head of the public body failed to respond to the fee appeal, you may begin a civil action in circuit court.

Oakland County's FOIA Procedures and Guidelines, and its Public Summary, can be found at www.oakgov.com/FOIA.

Sincerely,

OAKLAND COUNTY HEALTH DIVISION Department of Health and Human Services

Richard Peresky Public Health Senior Sanitarian **Environmental Health Services** 

To monitor the progress or update this request please log into the FOIA Record Center.

 From:
 DEQFOIA

 To:
 Scott Wasielewski

 Subject:
 7243-18 RDE DWMAD

Date: Wednesday, September 12, 2018 10:08:24 AM

Mr. Scott Wasielewski AKT Peerless Environmental Services 22725 Orchard Lake Road Farmington, Michigan 48336

Dear Mr. Wasielewski:

SUBJECT: **FOIA 7243-18:** Response from the Drinking Water and Municipal Assistance Division (DWMAD)

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on September 7, 2018.

You requested information on the following site(s) described by you as: 280, 322, 333 N. Old Woodward Avenue, Birmingham; 155 Henrietta Street, Birmingham.

**Denied:** The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. After a search, to the best of this public body's knowledge, information, and belief, the public record(s) do not exist (RDE) as described by you, or by another name or description reasonably known to the public body; therefore, your request to examine or receive a copy of the documents described above is denied.

Under section 10 of the FOIA, the Department of Environmental Quality (DEQ) is obligated to inform you of the following:

- 1) You may appeal this decision in writing to the Administration Deputy Director, Department of Environmental Quality (DEQ), P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal" and identify the basis for which the disclosure determination should be reversed. The Administration Deputy Director, or her delegated designee, must respond to the appeal within 10 business days of its receipt. Under unusual circumstances, the time for response to the appeal may be extended by 10 business days.
- 2) You may commence a civil action in the Court of Claims within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements, and possible damages.

You may access the DEQ's website that contains information about our FOIA policy and procedure, public written summary, and several online databases at <a href="https://www.michigan.gov/deqfoia">www.michigan.gov/deqfoia</a>.

If you have any questions regarding the results of your request, you may contact DEQ FOIA at 800-662-9278; <a href="mailto:deqfoia@michigan.gov">deqfoia@michigan.gov</a>; or by U.S. Mail at Department of Environmental Quality, Attention: FOIA Coordinator, P.O. Box 30473, Lansing, Michigan 48909-7973.

Leigh M. Copen, FOIA Coordinator Michigan Department of Environmental Quality 800-662-9278 www.michigan.gov/deqfoia From: DEQFOIA

To: Scott Wasielewski

Subject: 7243-18 RDE AQD WMRPD WRD

**Date:** Thursday, September 13, 2018 3:30:48 PM

Mr. Scott Wasielewski
AKT Peerless Environmental Services
22725 Orchard Lake Road
Farmington, Michigan 48336

Dear Mr. Wasielewski:

SUBJECT: **FOIA 7243-18:** Response from the Air Quality Division (AQD); Waste Management and Radiological Protection Division (WMRPD); Water Resources Division (WRD)

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on September 7, 2018.

You requested information on the following site(s) described by you as: 280, 322, 333 N. Old Woodward Avenue, Birmingham; 155 Henrietta Street, Birmingham.

**Denied:** The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. After a search, to the best of this public body's knowledge, information, and belief, the public record(s) do not exist (RDE) as described by you, or by another name or description reasonably known to the public body; therefore, your request to examine or receive a copy of the documents described above is denied.

Under section 10 of the FOIA, the Department of Environmental Quality (DEQ) is obligated to inform you of the following:

- 1) You may appeal this decision in writing to the Administration Deputy Director, Department of Environmental Quality (DEQ), P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal" and identify the basis for which the disclosure determination should be reversed. The Administration Deputy Director, or her delegated designee, must respond to the appeal within 10 business days of its receipt. Under unusual circumstances, the time for response to the appeal may be extended by 10 business days.
- 2) You may commence a civil action in the Court of Claims within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements, and possible damages.

You may access the DEQ's website that contains information about our FOIA policy and procedure, public written summary, and several online databases at <a href="https://www.michigan.gov/deqfoia">www.michigan.gov/deqfoia</a>.

If you have any questions regarding the results of your request, you may contact DEQ FOIA at 800-662-9278; <a href="mailto:deqfoia@michigan.gov">deqfoia@michigan.gov</a>; or by U.S. Mail at Department of Environmental Quality, Attention: FOIA Coordinator, P.O. Box 30473, Lansing, Michigan

48909-7973.

Leigh M. Copen, FOIA Coordinator Michigan Department of Environmental Quality 800-662-9278 www.michigan.gov/deqfoia

#### **Scott Wasielewski**

From: DEQFOIA < DEQFOIA@michigan.gov>
Sent: Monday, September 17, 2018 11:37 AM

**To:** Scott Wasielewski **Subject:** 7243-18 RDE RRD

Mr. Scott Wasielewski AKT Peerless Environmental Services 22725 Orchard Lake Road Farmington, Michigan 48336

Dear Mr. Wasielewski:

SUBJECT: FOIA 7243-18: Response from the Remediation and Redevelopment Division (RRD)

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on September 7, 2018.

You requested information on the following site(s) described by you as: 280, 322, 333 N. Old Woodward Avenue, Birmingham; 155 Henrietta Street, Birmingham.

**Denied:** The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. After a search, to the best of this public body's knowledge, information, and belief, the public record(s) do not exist (RDE) as described by you, or by another name or description reasonably known to the public body; therefore, your request to examine or receive a copy of the documents described above is denied.

Under section 10 of the FOIA, the Department of Environmental Quality (DEQ) is obligated to inform you of the following:

- 1) You may appeal this decision in writing to the Administration Deputy Director, Department of Environmental Quality (DEQ), P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal" and identify the basis for which the disclosure determination should be reversed. The Administration Deputy Director, or her delegated designee, must respond to the appeal within 10 business days of its receipt. Under unusual circumstances, the time for response to the appeal may be extended by 10 business days.
- 2) You may commence a civil action in the Court of Claims within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements, and possible damages.

You may access the DEQ's website that contains information about our FOIA policy and procedure, public written summary, and several online databases at <a href="https://www.michigan.gov/deqfoia">www.michigan.gov/deqfoia</a>.

If you have any questions regarding the results of your request, you may contact DEQ FOIA at 800-662-9278; <a href="mailto:degfoia@michigan.gov">degfoia@michigan.gov</a>; or by U.S. Mail at Department of Environmental Quality, Attention: FOIA Coordinator, P.O. Box 30473, Lansing, Michigan 48909-7973.

Leigh M. Copen, FOIA Coordinator Michigan Department of Environmental Quality 800-662-9278 www.michigan.gov/degfoia



# PHASE II ENVIRONMENTAL SITE ASSESSMENT

333 N. Old Woodward Avenue, Birmingham, Michigan

PREPARED FOR City of Birmingham

151 Martin Street Birmingham, Michigan 48009

**PROJECT #** 13661F-2-20

DATE November 15, 2018

### **Table of Contents**



1.0	INTRODUCTION			
2.0	ВАСКО	GROUND	1	
	2.1	SITE DESCRIPTION AND PHYSICAL SETTING	1	
	2.2	SUBJECT PROPERTY HISTORY AND LAND USE	2	
	2.3	ADJACENT PROPERTY LAND USE	2	
	2.4	PREVIOUS ENVIRONMENTAL INVESTIGATIONS	3	
3.0	PHASE	E II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES	4	
	3.1	SCOPE OF ASSESSMENT		
		3.1.1 Soil Evaluation	5	
		3.1.2 Groundwater Evaluation	5	
	3.2	QUALITY ASSURANCE/QUALITY CONTROL	5	
		3.2.1 Decontamination of Equipment	5	
		3.2.2 Calibration of Field Equipment	6	
		3.2.3 Documentation of Activities		
		3.2.4 Sample Preservation Techniques	6	
	3.3	LABORATORY ANALYSES AND METHODS	6	
4.0	EVALU	JATION AND PRESENTATION OF RESULTS	7	
	4.1	SUBSURFACE CONDITIONS	7	
		4.1.1 Soil and Groundwater Conditions based on Published Material		
		4.1.2 Soil and Groundwater Conditions based on Field Observations	7	
	4.2	ANALYTICAL LABORATORY RESULTS	8	
		4.2.1 Soil Analytical Results		
		4.2.2 Groundwater Analytical Results	9	
5.0	SUMN	MARY, CONCLUSIONS, AND RECOMMENDATIONS	9	
	5.1	SUMMARY OF ENVIRONMENTAL CONCERNS	9	
	5.2	SUMMARY OF SUBSURFACE INVESTIGATION	10	
	5.3	CONCLUSIONS	10	
	5.4	RECOMMENDATIONS	10	
6.0	LIMITA	ATIONS	11	
7.0	SICNA	ATLIDES OF ENVIDONMENTAL DEOESSIONALS	11	

## Table of Contents (continued)



#### **FIGURES**

Figure 1	Topographic Location Map
Figure 2	Subject Property Map with Sampling Locations
Figure 3	Subject Property Map with Soil Results Exceeding MDEQ Criteria

#### **TABLES**

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Groundwater Analytical Results
Footnotes	

#### **APPENDICES**

Appendix A		Soil Boring Logs
Appendix B	Analtyical Laboratory Report and Cha	in of Custody Documentation



### PHASE II ENVIRONMENTAL SITE ASSESSMENT

333 N. Old Woodward Avenue, Birmingham, Michigan AKT Peerless Project No. 13661F-2-20

#### 1.0 Introduction

City of Birmingham retained AKT Peerless to conduct a Phase II Environmental Site Assessment (ESA) of the property located at 333 N. Old Woodward Avenue in Birmingham, Oakland County, Michigan (the subject property). This Phase II ESA was conducted in accordance with AKT Peerless' Proposal for a Phase II ESA (Proposal Number PF-23369), dated October 4, 2018, and is based on ASTM International (ASTM) Designation E 1903-11, "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process."

This Phase II ESA scope of work is intended to evaluate the recognized environmental conditions (RECs) presented in Section 2.4.

AKT Peerless' Phase II ESA report documents the field activities, sampling protocols, and laboratory results associated with this assessment. AKT Peerless' Phase II ESA was performed for the benefit of its Client, City of Birmingham, who may rely on the contents and conclusions of this report.

#### 2.0 Background

#### 2.1 Site Description and Physical Setting

The subject property is located in the southwest ¼ of Section 25 in Birmingham (T.2N./R.10E.), Oakland County, Michigan. The subject property is located on the west side of N. Old Woodward Avenue, north of Willits Street and consists of one tax identification parcel zoned Public Property (PP). See the following table for additional subject property details:

#### **Subject Property Identifiers**

Address	Tax Identification Number	Owner of Record	Approximate Acreage
333 N. Old Woodward Avenue*	08-19-25-376-097	City of Birmingham	3.9 acres

<sup>\*</sup>Note: According to Oakland County Equalization Division, the subject property lacks a legal address.

The subject property is improved with one approximately 40,000-square foot (footprint), five-deck parking deck (the subject building). The exterior of the subject property consists of asphalt street-level parking areas and wooded areas within the Rouge River floodplain. Block/brick walls and/or fencing surround the street-level parking area. Vehicular access to the subject property is restricted by traffic control gates.

Refer to Figure 1 for a topographic site location map. See Figure 2 for a site map.



#### 2.2 Subject Property History and Land Use

The subject property is used for street-level parking and the subject building consists of a five-deck parking deck. The subject property is accessible to vehicular traffic by traffic control gates fronting N. Old Woodward Avenue and N. Bates Street. The undeveloped floodplain on the northwestern portion of the subject property is not used for a significant or obvious purpose.

The following table summarizes the general historical development and use of the subject property, as identified by AKT Peerless based on the referenced data sources:

#### **Subject Property Historical Use Summary**

Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1893-1952	Residential and/or commercial structures (up to 12 main structures)	Residential and/or commercial	Unknown / residential and/or commercial occupants	Fire insurance maps Aerial photographs City directories Municipal records
1956-1960	Residential and/or commercial structures (up to three main structures) Parking lot	Residential and/or commercial; parking	Unknown / residential and/or commercial occupants	Fire insurance maps Aerial photographs City directories Municipal records
1963-1965	Parking lot	Parking	Unknown / National Garages Inc.	Aerial photographs City directories Municipal records
1966-2018	Parking deck (subject building); parking lot	Parking	Unknown; City of Birmingham / National Garages Inc.; Municipal Parking	Aerial photographs City directories Municipal records Interviews Site reconnaissance

#### 2.3 Adjacent Property Land Use

The following table describes the current uses and/or occupants of the adjoining properties, as identified by AKT Peerless:

#### **Adjoining Property Data**

Direction	Address	Current Use / Occupant	
North	No address identified	Recreation / Booth Park	
Northeast	No address identified	Undeveloped land	
	369 N. Old Woodward Avenue	Condominiums / Brookside Residences (under construction)	



Direction	Address	Current Use / Occupant	
East	380 N. Old Woodward Avenue	Commercial / Steinhardt Pesick & Cohen, P.C.; The Law Firm of John F. Schaefer	
	350 N. Old Woodward Avenue	Commercial / Strength Capital Partners	
	344 N. Old Woodward Avenue	Commercial / Morganroth & Morganroth, PLLC	
	320 N. Old Woodward Avenue	Commercial / SAIC USA	
Southeast	325 N. Old Woodward Avenue and 108-114 Willits Street	Commercial / UBS; Fleming's Prime Steakhouse & Wine Bar; Beal Bank; Poggen Pohl; Centigrade; Tilt; Google Inc.	
South	111-117 Willits Street	Commercial / Cameron's Steakhouse; other street level and commercial office space occupants not identified	
Southwest	336 W. Maple Road	Commercial / McCann Detroit	
	300 Willits Street	First Baptist Church	
	No address identified	Undeveloped land	
West	300 Warren Court	Single-family residential / not identified	
Northwest	No address identified	Recreation / Booth Park	

#### 2.4 Previous Environmental Investigations

On September 28, 2018, AKT Peerless prepared a Phase I ESA for the subject property on behalf of City of Birmingham in accordance with United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI) and ASTM Standard Practice E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." At the time of the assessment, the subject property consisted of one tax identification parcel improved with one approximately 40,000-square foot (footprint), five-deck parking deck and associated exterior features as described in Section 2.1.

AKT Peerless identified the following RECs in connection with the subject property:

REC 1 - According to fire insurance maps, the subject property formerly included 12 developed lots, in addition to one undeveloped lot, an apparent alley, and a portion of an adjoining developed lot. Between approximately 1915 and 1960, up to 12 residential and/or commercial structures were located entirely on the subject property. Municipal records and fire insurance maps indicate that at least three of these structures, located at 244 and 292 Willits Street and 248 N. Bates Street, may have included basements. The origin of the fill material used to fill basements of former structures at the subject property, if any, prior to conversion of the southern portion of the subject property to a street level parking lot in the mid-1950s to early-1960s is unknown. The unknown origin of such fill material represents an REC.



REC 2 - According to fire insurance maps and city directories, a dry cleaner operated on an eastern adjoining property located at 324-332 N. Old Woodward Avenue from at least 1944 until at least 1960. Historical dry-cleaning operations typically involved the use of petroleum and/or chlorinated solvents. In addition, the eastern adjoining property located at historical address 322 N. Old Woodward Avenue (located near current address 320 N. Old Woodward Avenue) was identified as a Part 201 site in the regulatory database report. Part 201 sites are Michigan sites at which contamination has been identified at concentrations exceeding Michigan Department of Environmental Quality (MDEQ) Generic Cleanup Criteria. No further information regarding the Part 201 site status of the eastern adjoining property was identified. The subject property is located at an inferred hydraulically down-gradient position relative to the eastern adjoining property. Therefore, the potential for migration of contamination from the eastern adjoining property toward the subject property represents an REC.

It is important to note that, under Part 201 of the Natural Resources and Environmental Protection Act (NREPA) Section 20126(4)(c), a property owner is not liable for contamination migrating from an off-site source, unless the owner is responsible for an activity causing the release that is the source of the contamination. However, if contamination is identified on the subject property, the subject property owner may be required to comply with certain Due Care obligations pursuant to Section 20107a(1).

#### 3.0 Phase II Environmental Site Assessment Activities

The following sections summarize the site assessment activities conducted by AKT Peerless.

#### 3.1 Scope of Assessment

To further evaluate the RECs identified in AKT Peerless' September 2018 Phase I ESA, AKT Peerless conducted a subsurface investigation at the subject property that included: (1) the advancement of five soil borings; (2) the installation of one temporary groundwater monitoring well; and (3) the collection of six soil samples and one groundwater sample for laboratory analyses. The following samples were submitted for laboratory analyses:

- Six soil samples for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), Michigan Ten Metals, and/or polychlorinated biphenyls (PCBs); and
- One groundwater sample for VOCs.

The following table summarizes each REC, the site investigation activities performed to address each REC, and the laboratory parameters used to address each REC.

<sup>&</sup>lt;sup>1</sup> The Michigan Ten Metals include arsenic, barium, cadmium, chromium (total), copper, lead, mercury, selenium, silver, and zinc.



#### **Summary of Investigation Activity**

REC#	Environmental Concern	Investigation Activity	Analytical Parameters
1	Use of fill material of unknown origin to fill potential former basements	AKT-1, AKT-2, AKT-3	VOCs, PNAs, Michigan Ten Metals, PCBs
2	Historical dry cleaner/Part 201 site located on an eastern adjoining property	AKT-4, AKT-4W, AKT-5	VOCs

#### 3.1.1 Soil Evaluation

On October 23, 2018, AKT Peerless advanced five soil borings at the subject property. AKT Peerless used hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the guidance outlined in ASTM publication E1903-11, "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process." AKT Peerless collected continuous soil samples from the soil borings in four-foot intervals to the maximum depth explored of 15 feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location.

Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

#### 3.1.2 Groundwater Evaluation

AKT Peerless encountered groundwater in one soil boring (AKT-4) advanced at the subject property. AKT Peerless installed a temporary groundwater monitoring well at this location. A one-inch PVC riser with a five-foot screen was utilized for this temporary groundwater monitoring well.

Refer to Figure 2 for a site map with the temporary groundwater monitoring well location.

#### 3.2 Quality Assurance/Quality Control

To ensure the accuracy of data collected during on-site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, and (4) sample preservation techniques.

#### 3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent
- Rinsing the equipment
- Air-drying the equipment



#### 3.2.2 Calibration of Field Equipment

During AKT Peerless' subsurface investigation activities, a photoionization detector (PID) was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 parts per million (ppm) isobutylene span gas prior to subsurface investigations.

#### 3.2.3 Documentation of Activities

During AKT Peerless' subsurface investigation activities, subject property conditions (i.e., soil boring locations, weather conditions) were documented. AKT Peerless visually inspected the soil and groundwater samples and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488, "Unified Soil Classification System." All soil and groundwater samples were delivered to Fibertec Environmental Services' analytical laboratory in Holt, Michigan under chain-of-custody documentation.

Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

#### 3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, "Test Methods for Evaluating Solid Waste." Soil and groundwater samples were collected into laboratory-supplied containers, stored on ice or at approximately four degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for VOCs analyses were field preserved with methanol in accordance with USEPA Method 5035. Soil samples collected for PNAs, metals, and PCBs analyses were stored in unpreserved eight-ounce wide-mouth jars.

Groundwater samples collected from temporary groundwater monitoring wells were collected with a peristaltic pump and dedicated tubing. Groundwater samples for VOCs analyses were collected with zero headspace into 40-milliliter (mL) glass vials and preserved with hydrochloric acid.

#### 3.3 Laboratory Analyses and Methods

AKT Peerless submitted six soil samples and one groundwater sample for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analyses for each sample.

#### **Sample Collection Summary**

Sample Identification	Sample Matrix	Soil Sample Interval (feet bgs)	Laboratory Analytical Parameter(s)
AKT-1	Soil	2'-4'	VOCs, PNAs, Michigan Ten Metals, PCBs
AKT-2	Soil	2'-4'	VOCs, PNAs, Michigan Ten Metals, PCBs



Sample Identification	Sample Matrix	Soil Sample Interval (feet bgs)	Laboratory Analytical Parameter(s)
AKT-3	Soil	2'-4'	VOCs, PNAs, Michigan Ten Metals, PCBs
AKT-3	Soil	4'-6'	VOCs, PNAs, Michigan Ten Metals, PCBs
AKT-4	Soil	9'-10'	VOCs
AKT-4W	Groundwater	4'-9' (well screen depth interval)	VOCs
AKT-5	Soil	5'-6'	VOCs

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Method 8260B; (2) PNAs in accordance with USEPA Method 8270E; (3) Michigan Ten Metals in accordance with USEPA Methods 6020A and 7471B; and 4) PCBs in accordance with USEPA Method 8082A.

#### 4.0 Evaluation and Presentation of Results

#### 4.1 Subsurface Conditions

The following sections summarize the physical soil and groundwater conditions at the subject property.

#### 4.1.1 Soil and Groundwater Conditions based on Published Material

According to the United States Department of Agriculture (USDA) Soil Conservation Service's (SCS's) publication, *Soil Survey of Oakland County, Michigan,* the soil in the area of the subject property is classified as the Urban land-Marlette-Capac association, described as "urban land and nearly level to hilly, well drained to somewhat poorly drained loamy soils; on till plains and moraines." Photo Sheet 106 of the soil survey depicts the subject property within an area described as "urban land" and "Cohoctah-Fox association."

According to the Michigan Department of Natural Resources (MDNR) Geological Survey Division's publication, *Quaternary Geology of Southern Michigan*, the soil in the area of the subject property is lacustrine clay and silt. This soil is described as gray to dark reddish brown and varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from ten to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

Site-specific groundwater information was not identified in published material.

#### 4.1.2 Soil and Groundwater Conditions based on Field Observations

During drilling activities, AKT Peerless encountered the following soil types:

- GRAVEL BASE from below the asphalt pavement to a depth of approximately two feet bgs.
- FILL from below the gravel base to a depth of approximately four feet bgs, except at soil boring location AKT-5, where the gravel base was underlaid by clay. The fill material encountered at soil



boring locations AKT-1, AKT-2, and AKT-3, which were advanced within the footprints of former structures that may have included basements, was dark brown to black in color and consisted of a sandy to clayey matrix containing gravel, red brick, and/or masonry debris. The fill material encountered at soil boring location AKT-4, which was not advanced within the footprint of a former building potentially including a basement, was brown in color and consisted of sand and gravel.

- SAND from below the fill to a depth of approximately eight feet bgs, except at soil boring locations AKT-3 and AKT-5, where the fill or gravel base was underlaid by clay. This sand was reddish brown to light brown in color and fine- to medium-grained. Perched groundwater was observed within this sand layer at soil boring location AKT-4.
- CLAY from below the gravel base, fill, or sand to a depth of 15 feet bgs, the maximum depth explored. This clay was brown to gray in color and soft to stiff.

AKT Peerless encountered groundwater at soil boring location AKT-4 at a depth of seven feet bgs. The groundwater appeared to be perched on the clay layer encountered at nine feet bgs at this soil boring location. Shallow groundwater is not continuous across the site and is not used as a drinking water source.

With the exception of the gravel base and fill material encountered, subsurface soils at the subject property are consistent with the description of lacustrine clay and silt as described in MDNR Geological Survey Division's publication, *Quaternary Geology of Southern Michigan*.

Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

#### 4.2 Analytical Laboratory Results

AKT Peerless collected soil and groundwater samples for the purpose of evaluating general subsurface environmental conditions at the subject property and to support potential future soil management planning. Analytical results were compared to MDEQ Generic Residential Cleanup Criteria (RCC) for soil and groundwater (Michigan Administrative Rules 299.46 and 299.44, respectively).

#### 4.2.1 Soil Analytical Results

AKT Peerless submitted six soil samples for laboratory analyses of VOCs, PNAs, Michigan Ten Metals, and/or PCBs. The results of the laboratory analyses of the soil samples are summarized in the table below:

#### **Summary of Soil Analytical Results**

Parameter	Chemical Abstract Service (CAS) Number	Sample Identification with Criteria Exceedance (depth)	MDEQ Part 201 Generic RCC Exceeded/Established Criteria (µg/kg)	Maximum Concentration (μg/kg)/Sample Location	
Arsenic	7440-38-2	AKT-1 (2'-4') AKT-2 (2'-4') AKT-3 (2'-4') AKT-3 (4'-6')	DWP / 4,600 GSIP / 4,600 DC / 7,600	11,000 / AKT-3 (4'-6')	



Parameter	Chemical Abstract Service (CAS) Number	Sample Identification with Criteria Exceedance (depth)	MDEQ Part 201 Generic RCC Exceeded/Established Criteria (µg/kg)	Maximum Concentration (μg/kg)/Sample Location	
Chromium (total)	7440-47-3	AKT-1 (2'-4') AKT-2 (2'-4') AKT-3 (2'-4') AKT-3 (4'-6')	DWP / 30,000 GSIP / 3,300	47,000 / AKT-3 (2'-4')	
Mercury	7439-97-6	AKT-1 (2'-4')	GSIP / 50	110 / AKT-1 (2'-4')	

#### Notes:

Sample identification: AKT-# indicates soil boring identification and (#-#) indicates sample depth interval in feet bgs.

μg/kg – micrograms per kilogram

DWP - Drinking Water Protection Criteria

GSIP – Groundwater to Surface Water Interface Protection Criteria

DC - Direct Contact Criteria

In addition to the target parameters identified in the table above, various other metals (including barium, cadmium, copper, lead, selenium, and zinc) and PNAs [including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, fluoranthene, phenanthrene, and pyrene] were detected in soil samples collected from the subject property at concentrations above analytical laboratory method detection limits (MDLs), but below MDEQ Part 201 Generic RCC. VOC constituents were not detected in soil samples collected from the subject property at concentrations above analytical laboratory MDLs or MDEQ Part 201 Generic RCC.

Refer to Figure 3 for a site map with soil analytical results exceeding MDEQ Part 201 Generic RCC. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix B for a complete analytical laboratory report.

#### 4.2.2 Groundwater Analytical Results

AKT Peerless submitted one groundwater sample for laboratory analyses of VOCs. Target parameters were not detected in the groundwater sample at concentrations above analytical laboratory MDLs or MDEQ Part 201 Generic RCC.

Refer to Table 2 for a summary of groundwater analytical results. Refer to Appendix B for a complete analytical laboratory report.

#### 5.0 Summary, Conclusions, and Recommendations

The following sections summarize the investigation conducted by AKT Peerless at the subject property.

#### 5.1 Summary of Environmental Concerns

AKT Peerless identified the following RECs in connection with the subject property during its September 2018 Phase I ESA:

- Use of fill material of uknown origin to fill potential former basements.
- Historical dry cleaner/Part 201 site located on an eastern adjoining property.



#### **5.2** Summary of Subsurface Investigation

On October 23, 2018, AKT Peerless conducted a subsurface investigation at the subject property to further evaluate the above-identified RECs. During the subsurface investigation, AKT Peerless (1) advanced five soil borings; (2) installed one temporary groundwater monitoring well; and (3) collected soil and groundwater samples for laboratory analyses. AKT Peerless submitted soil and groundwater samples for laboratory analyses of select parameters, including: VOCs, PNAs, Michigan Ten Metals, and PCBs.

#### 5.3 Conclusions

AKT Peerless conducted soil and groundwater sampling in areas most likely to be impacted by contaminants based on the past use of the subject property and an eastern adjoining property. The results of the investigation indicate the following:

- Arsenic, chromium (total), and/or mercury were detected in soil samples collected from suspect
  fill material or native material directly underlying suspect fill material at concentrations
  exceeding MDEQ Part 201 Generic RCC for DWP, GSIP, and/or DC. Various other metals and PNAs
  were also detected in the suspect fill material at concentrations above analytical laboratory
  MDLs, but below MDEQ Part 201 Generic RCC. VOC constituents were not detected in soil
  samples collected from the subject property at concentrations above analytical laboratory MDLs
  or MDEQ Part 201 Generic RCC.
- VOC constituents were not detected in the groundwater sample collected from the subject property at concentrations above analytical laboratory MDLs or MDEQ Part 201 Generic RCC.
   Shallow groundwater was encountered at only one soil boring location and does not appear to be continuous across the subject property.

#### 5.4 Recommendations

AKT Peerless recommends the current subject property owner conduct a Section 20107(a) Compliance Analysis to assure compliance with Due Care obligations in advance of construction/demolition activities associated with the potential redevelopment of the subject property and again following such activities. Due Care obligations include:

- Undertaking measures to prevent exacerbation of existing contamination.
- Exercising due care by undertaking response activities to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the subject property in a manner that protects health and safety.
- Taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party and the consequences that could result from those acts or omissions.
- Provide notifications to the MDEQ and others in regard to mitigating fire and explosions hazards, discarded or abandoned containers, contamination migrating beyond property boundaries, as applicable.
- Comply with any land use or resource use restrictions established or relied on in connection with the response activities at the facility.
- Not impede the effectiveness or integrity of any land use or resource use restriction employed at the facility in connection with response activities.



#### 6.0 Limitations

The information and opinions obtained in this report are for the exclusive use of City of Birmingham. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and City of Birmingham.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by City of Birmingham or third parties is complete or accurate.

#### 7.0 Signatures of Environmental Professionals

The following individuals contributed to the completion of this report.

Scott Wasielewski

Senior Environmental Consultant

**AKT Peerless** 

Farmington, Michigan Office

Phone: 248-615-1333 Fax: 248-615-1334 Jessica T. Corv

Senior Project Manager – Group Leader

**AKT Peerless** 

Farmington, Michigan Office

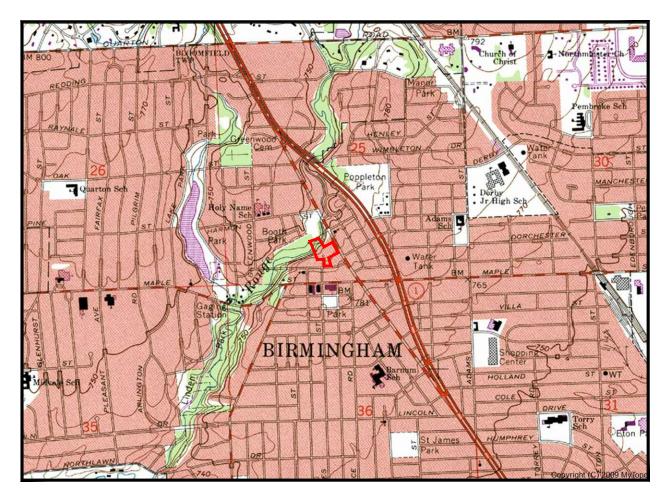
Phone: 248-615-1333 Fax: 248-615-1334



## **FIGURES**

#### **BIRMINGHAM QUADRANGLE**

MICHIGAN - OAKLAND COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.2 N.-R.10 E.



IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP PHOTOREVISED 1981





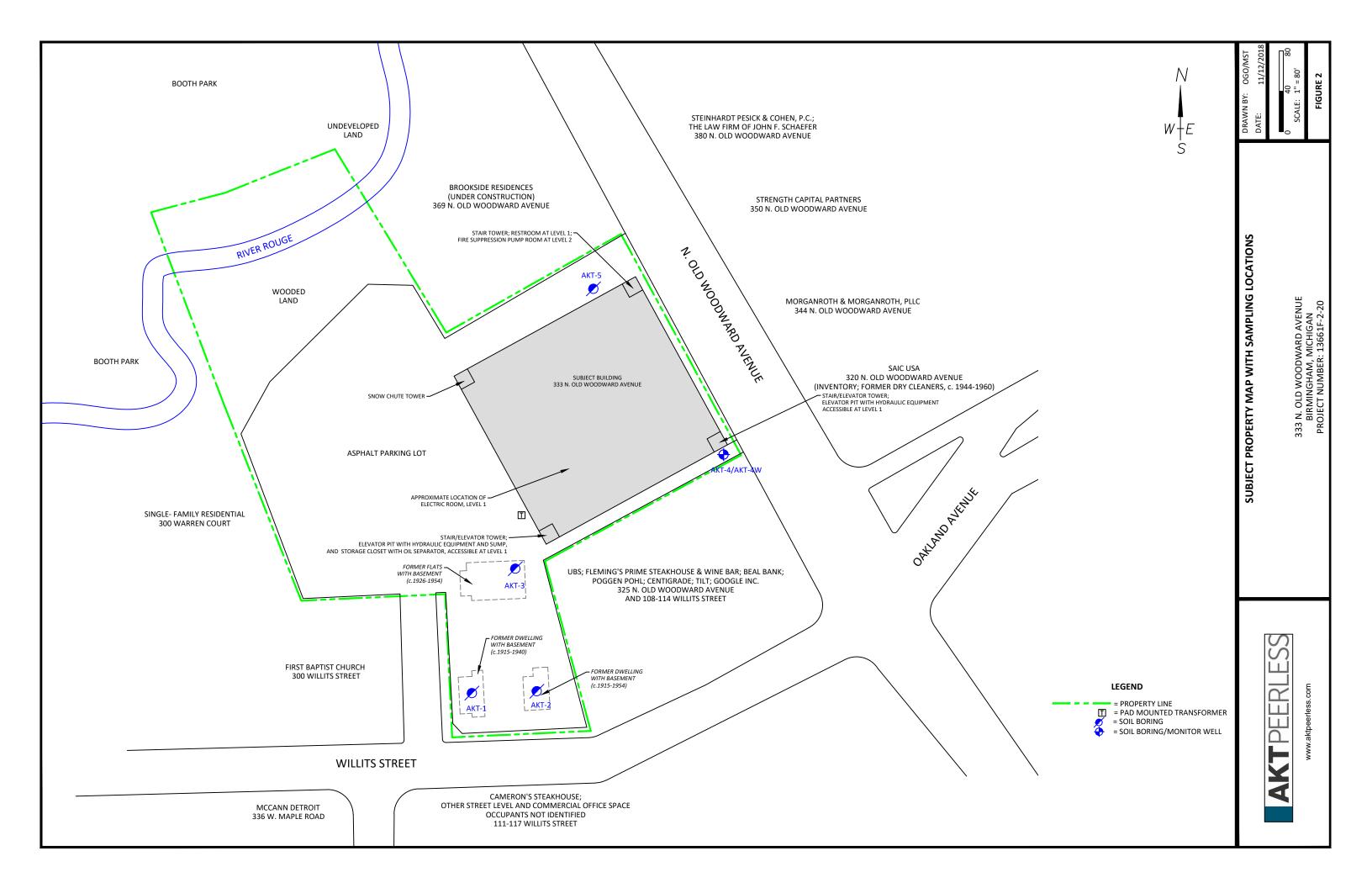
www.aktpeerless.com

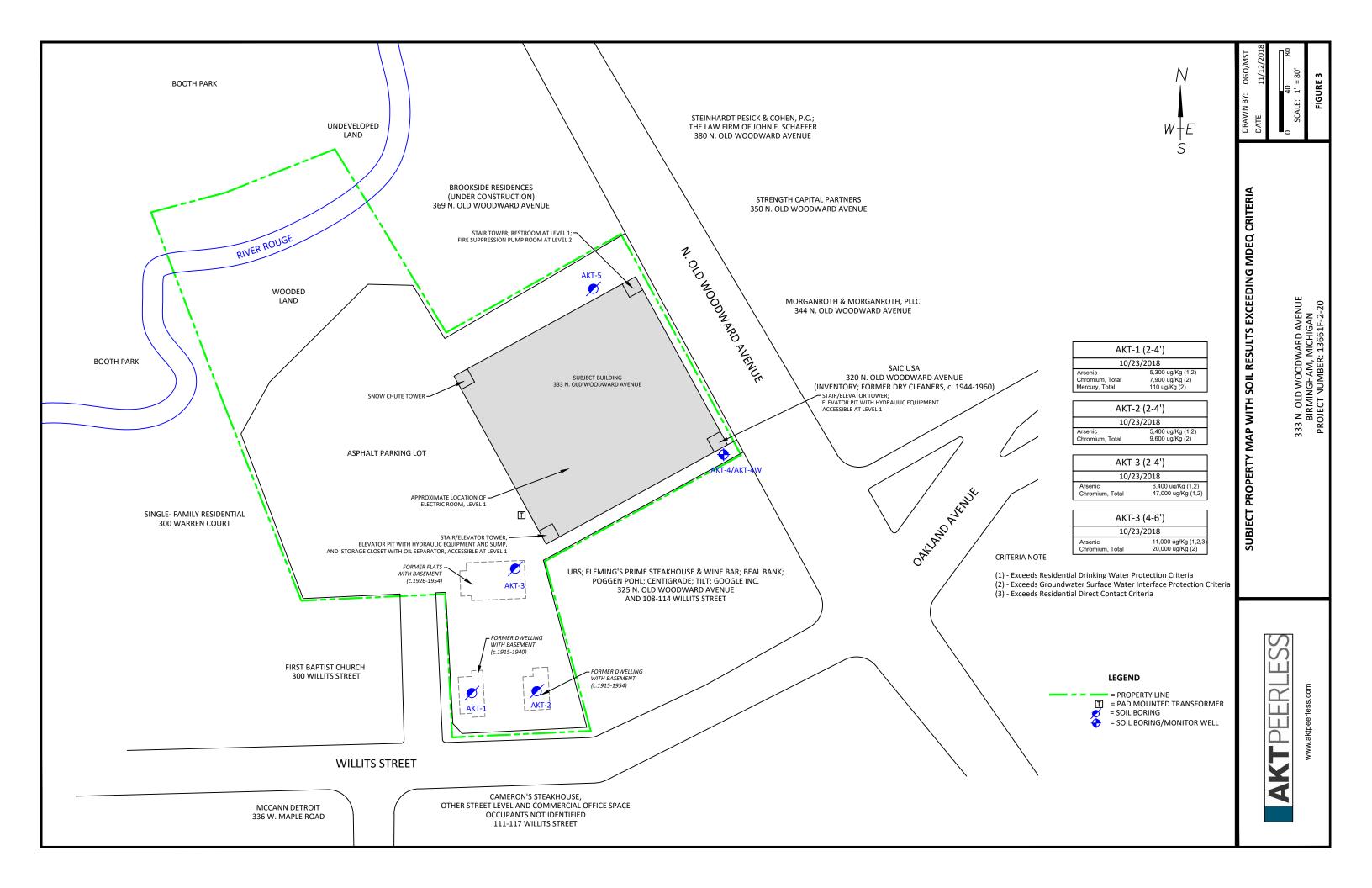
#### **TOPOGRAPHIC LOCATION MAP**

333 N. OLD WOODWARD AVENUE BIRMINGHAM, MICHIGAN PROJECT NUMBER: 13661F-2-20 DRAWN BY: OGO/MST

DATE: 11/12/2018

FIGURE 1







## **TABLES**



# Table 1: Summary of Soil Analytical Results 333 N. Old Woodward Avenue Birmingham, Michigan AKT Peerless Project No. 13661F-2-20

Parameters	Chemical Abstract	Statewide Default	Residential Drinking Water	Surface Water	Residential Soil Volatilization	Infinite Source	Residential Particulate Soil	Residential	Residential Soil Saturation	Maximum	Sample Identification	AKT-1	AKT-2	AKT-3	AKT-3	AKT-4	AKT-5
(Refer to detailed laboratory	Service	Background	Protection	Interface Protection	to Indoor Air Inhalation	Volatile Soil Inhalation	Inhalation	Direct Contact Criteria	Concentration Screening	Concentration Detected	Collection Date	10/23/18	10/23/18	10/23/18	10/23/18	10/23/18	10/23/18
report for method reference data)	Number	Levels	Criteria	Criteria	Criteria	Criteria (VSIC)	Criteria		Levels		Sample Depth Interval	(2' - 4')	(2' - 4')	(2' - 4')	(4' - 6')	(9' - 10')	(5' - 6')
Metals		μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg		μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
Arsenic	7440-38-2	5,800	4,600	4,600	NLV	NLV	7.2E+5	7,600	NA	11,000		5,300	5,400	6,400	11,000	NS	NS
Barium (B)	7440-39-3	75,000	1.3E+6	(G)	NLV	NLV	3.3E+8	3.7E+7	NA	300,000		32,000	55,000	300,000	55,000	NS	NS
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	NLV	NLV	1.7E+6	5.5E+5	NA	1,000		150	260	1,000	130	NS	NS
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	NLV	NLV	2.6E+5	2.5E+6	NA	47,000		7,900	9,600	47,000	20,000	NS	NS
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	NLV	NLV	1.3E+8	2.0E+7	NA	22,000		7,500	12,000	22,000	17,000	NS	NS
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	NLV	NLV	1.0E+8	4.0E+5	NA	57,000		32,000	32,000	57,000	10,000	NS	NS
Mercury, Total	7439-97-6	130	1,700	50 (M); 1.2	48,000	52,000	2.0E+7	1.6E+5	NA	110		110	<50	<50	<50	NS	NS
Selenium (B)	7782-49-2	410	4,000	400	NLV	NLV	1.3E+8	2.6E+6	NA	240		<200	240	<200	<200	NS	NS
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	NLV	NLV	6.7E+6	2.5E+6	NA	<100		<100	<100	<100	<100	NS	NS
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	NLV	NLV	ID	1.7E+8	NA	220,000		40,000	52,000	220,000	51,000	NS	NS
PCBs																	
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NA	<100		<100	<100	<100	<100	NS	NS
Semivolatiles, PNAs																	
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	ID	20,000	NA	350		<330	350	330	<330	NS	NS
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	1.5E+6	2,000	NA	390		<330	<330	390	<330	NS	NS
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	20,000	NA	550		<330	340	550	<330	NS	NS
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NA	480		<330	<330	480	<330	NS	NS
Fluoranthene	206-44-0	NA	7.3E+5	5,500	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	NA	920		<330	360	920	<330	NS	NS
Phenanthrene	85-01-8	NA	56,000	2,100	2.8E+6	1.6E+5	6.7E+6	1.6E+6	NA	500		<330	<330	500	<330	NS	NS
Pyrene	129-00-0	NA	4.8E+5	ID	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	NA	770		<330	<330	770	<330	NS	NS
Remaining PNAs	Various	-	-	-	-	_	-	-	-	BDL		BDL	BDL	BDL	BDL	NS	NS
Volatiles (VOCs)																	
VOCs	Various	-	-	-	-	-	-	-	-	BDL		BDL	BDL	BDL	BDL	BDL	BDL



# Table 2: Summary of Groundwater Analytical Results 333 N. Old Woodward Avenue Birmingham, Michigan AKT Peerless Project No. 13661F-2-20

Parameters	Chemical Abstract Service Number		Groundwater	Residential Groundwater		Flammability		Sample Identificaiton	AKT-4W
(Refer to detailed laboratory	Service	Residential Drinking Water Criteria	Surface Water Interface Criteria	Volatilization to Indoor Air Inhalation Criteria	Water Solubility	and Explosivity Screening	Maximum Concentration Detected	Collection Date	10/23/18
report for method reference data)	Number					Level		Well Screen Depth Interval	4'-9'
Volatiles, VOCs		μg/L	μg/L	μg/L	μg/L	μg/L	μg/L		μg/L
VOCs	Various	-	-	-	1	-	BDL		BDL



#### R 299.49 FOOTNOTES

#### (as last revised by MDEQ on December 30, 2013) FOR GENERIC CLEANLIP CRITERIA TARLES

Cleanup Criteria Requirements for Response Activity (formerly the Part 201 Generic Cleanup Criteria and Screening Levels)

- Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
- Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds
- The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (C<sub>sat</sub>). The person proposing or implementing response activity shall document whether (C) additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific C<sub>sat</sub> or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways
- Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb). (D)
- Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act. 1994 PA 451. as amended (NREPA). A notice of aesthetic impact (E) may be employed as an institutional control mechanism if groundwater concentrations exceed the aesthetic drinking water criterion, but do not exceed the applicable health-based drinking water value (as provided in the table in Footnote (E) in R 299.491.
- (F) Criterion is based on adverse impacts to plant life and phytotoxicity.
- Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be (G) calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO<sub>3</sub>/L, use 400 mg CaCO<sub>3</sub>/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote. [See table in Footnote (G) in R 299 491
- Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.
- Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules. (1)
- Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria (J)
- Hazardous substance may be flammable or explosive, or both.
- Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(9) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific (L) rules. The generic residential drinking water criterion of 4 ug/L is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 ug/L, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a sitespecific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 ug/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable concentrations of site-specific soil and drinking water concentrations are presented in the [table in Footnote (L) in R 299.49].
- Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit. (M)
- The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the
- nitrate drinking water protection criterion of 2.0E+5 ug/kg.

  The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin (0) based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin. The generic cleanup criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin are not calculated according to the algorithms presented in R 299.14 to R 299.26. The generic cleanup criteria are being held at the values that the DEQ has used since August 1998, in recognition of the fact that national efforts to reassess risks posed by dioxin are not yet complete. Until these studies are complete, it is premature to select a revised slope factor and/or reference dose for calculation of generic cleanup
- (P) Amenable cvanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Nonresidential direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cvanide gas.
- (0)
- Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

  Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules. (R)
- Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and subpart G of 40 C.F.R. \$761 (July 1, 2001) are adopted by reference in these rules. Alternatives to compliance with the TSCA standards listed below are possible under 40 C.F.R. \$761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable. [See table in Footnote (T) in R 299.49].
- Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules. (U)
- Criterion is the aesthetic drinking water value as required by Section 20120(a)(5) of the NREPA. Concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific (V) cleanup under Section 20120a(2) and 20120b of the NREPA.
- Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be (W) added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.
- The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting (X) waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the [table in Footnote (X) in R 299.49], except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in [the table in Footnote (G) in R 299.49]. Soil protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
- Source size modifiers shown in the [table in Footnote (Y) in R 299.49] shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre. The modifier shall be multiplied (Y) by the generic soil inhalation criteria shown in the table of generic cleanup criteria to determine the applicable criterion. See Footnote (C) [in R 299.49].
- (Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury
- Use 10,000 ug/L where groundwater enters a structure through the use of a water well, sump or other device. Use 28,000 ug/L for all other uses
- The state drinking water standard for asbestos (fibers greater than 10 micrometers in length) is in units of a million fibers per liter of water (MFL). Soil concentrations of asbestos are determined by polarized light microscopy.
- Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH<sub>3</sub>); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the [table in Footnote (CC) in R 299.49], taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975). The generic approach for estimating NH<sub>3</sub> assumes a default pH of 8 and default temperatures of 68 °F and 85 °F for cold water and warm water surface water, respectively. The resulting NH<sub>3</sub> is 3.8 percent and 7.2 percent for cold water and warm water, respectively. This default percentage shall be multiplied by the total ammonia-nitrogen (NH<sub>3</sub>-N) concentration in the groundwater and the resulting NH<sub>3</sub> concentration compared to the applicable GSI criterion. As an alternative, the maximum pH and temperature data from the specific receiving surface water can be used to estimate, from the [table in Footnote (CC) in R 299.49], a lower percent unionized ammonia concentration for comparison to the generic GSI.
- Soil: The generic soil GSI protection criteria for unionized ammonia are 580 ug/kg and 1 100 ug/kg for cold water and warm water surface water, respectively
- Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a (DD) pregnant adult receptor
- (EE) The [values listed in the table in Footnote (EE) in 299.49] are applicable generic GSI criteria as required by Section 20120e of the NREPA.
- The chloride GSI criterion shall be 125 mg/L when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/L when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable
- Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 (GG) percent of the lower explosive level for methane. This equates to 1.25 percent or  $8.4E+6\ ug/m^3$ .
- (HH) The residential criterion for sodium is 230,000 ug/L in accordance with the Sodium Advisory Council recommendation and revised Groundwater Discharge Standards.
- Insufficient data to develop criterion.
- A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
- Hazardous substance is not likely to leach under most soil conditions NLL
- Hazardous substance is not likely to volatilize under most conditions. NLV
- Micrograms per kilogram ug/kg Micrograms per liter
- NS Not sampled
- Below Laboratory Method Detection Limits
- **BOLD** Exceeds highlighted criteria.



# Appendix A Soil Boring Logs

# **AKT**PEERLESS

#### **BORING LOG**

333 N. Old Woodward Avenue

Birmingham, Michigan

AKT-1

Drawn Bv: S. Wasielewski

-			_1 \L_L	_00		Birminghan AKT Peerless Proje		Drawn By: S. Wasielewski Date: 11/9/2018	
DRILL	ING C	ОМР	VIV.		AKT Peerl	-	WEATHER:	Sunn	y, 40 °F
	NICIAI				B. Fox		BORING DEPTH:		et bgs
	ATE DRILLED:				10/23/20	18	DEPTH TO GW:		encountered
	ING N		DD.		Geoprobe				pplicable
FIELD						ewski; M. Marguin	SCREEN MATERIAL:		pplicable
						, , ,			FF
<b>DEPTH FEET</b>	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR		C DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
					Gray	ASPHALT GRAVEL BASE			
			<0.1		Gray	GRAVEL BASE			
2		60			Dark	FILL: Sand matrix with clay an	d masonry debris	М	
					brown			M	
			<0.1	SP	Reddish	SAND: Medium-grained, with	gravel	M	
4					brown				
6		80	<0.1		Light brown	Medium-grained			
				CL	Brown	CLAY: Mottled, medium stiff	to stiff	M M	
10		80	<0.1		to Gray			M	
						End of Boring at 11 feet bgs		IVI	
12		•							
14		•							
16		•							
18		•							
20		,							

# **AKT**PEERLESS

#### **BORING LOG**

333 N. Old Woodward Avenue

AKT-2

		FLL				Birmingham	Drawn By: S. Wasielewski		
					A1/7 D	AKT Peerless Projec			Date: 11/9/2018
	ING C		ANY:		AKT Peerl	ess	WEATHER:		y, 40 °F
	NICIAI DRILL				B. Fox	10	BORING DEPTH:		et bgs
-			<b>ND</b> .		10/23/20		DEPTH TO GW:		encountered
	ING N				Geoprobe	ewski; M. Marguin	SCREEN INTERVAL: SCREEN MATERIAL:		pplicable pplicable
FIELD		.0013	i .	_	3. Wasiele	wski, ivi. iviaiguiii	SCREEN WATERIAL.	NOL a	ррпсавіе
<b>DEPTH FEET</b>	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC ASPHALT	DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
					Gray	GRAVEL BASE			
2		50	<0.1		Dark brown	FILL: Sand matrix with clay, gra	avel, red brick and	M	
								М	
4		,	<0.1	SP	Reddish brown	SAND: Medium-grained, with	gravel	M	
6		80	<0.1		Light brown	Medium-grained			
			<b>\0.1</b>						
8				CL	Brown	CLAY: Mottled, medium stiff to	o stiff	M M	
10		100	<0.1	01	to Gray	Carried and a start of			
10			<0.1					M	
						End of Boring at 11 feet bgs		IVI	
12									
14		•							
16									
18									
20									



### **BORING LOG**

333 N. Old Woodward Avenue

AKT-3

A	KI	PEE	:KLE	:55		Birmingham			Drawn By: S. Wasielewski Date: 11/9/2018
DRILL	ING C	ON/ID/	VIV.		AKT Peerl	AKT Peerless Project	WEATHER:	Sunn	/, 40 °F
	NICIA				B. Fox	C33	BORING DEPTH:	8 feet	
	DRILL				10/23/20:	18	DEPTH TO GW:		ncountered
	ING N		)D·		Geoprobe		SCREEN INTERVAL:		pplicable
FIELD						ewski; M. Marguin	SCREEN MATERIAL:		pplicable
TILLD		0013	· ·		J. Wasicio	WSKI, WI. Wargain	SCREEN WATERIAL.	Not a	pplicable
<b>DEPTH FEET</b>	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC ASPHALT	DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
					Gray	GRAVEL BASE			
			<0.1		Dark	FILL: Clay matrix with gravel, re	ed brick and masonry	М	
2		60			brown /	debris			
					black				
			<0.1						
4								М	
4				CL	Gray	CLAY: Soft to stiff		М	
			<0.1						
6		100							
			<0.1						
8								М	
						End of Boring at 8 feet bgs			
10									
12									
14									
16									
18									
10									
20		ŀ							

#### **BORING LOG** AKT-4 333 N. Old Woodward Avenue **AKT**PEERLESS Birmingham, Michigan Drawn By: S. Wasielewski AKT Peerless Project No: 13661F-2-20 Date: 11/9/2018 DRILLING COMPANY: **AKT Peerless** WEATHER: Sunny, 40 °F TECHNICIAN: B. Fox **BORING DEPTH:** 15 feet bgs DATE DRILLED: 10/23/2018 **DEPTH TO GW:** 7 feet bgs DRILLING METHOD: 4-9 feet bgs Geoprobe SCREEN INTERVAL: FIELD GEOLOGIST: PVC S. Wasielewski; M. Marguin SCREEN MATERIAL: SAMPLE INTERVAL USCS SOIL CLASS. % RECOVERY DEPTH FEET PID VALUE MOISTURE COLOR **TEMPORARY WELL GEOLOGIC DESCRIPTION** DIAGRAM ASPHALT Gray **GRAVEL BASE** < 0.1 Brown FILL: Sand and gravel Μ 50 RISER <0.1 Μ <0.1 SP Brown **SAND**: Medium-grained, with gravel M 80 **PVC** Μ $\frac{\nabla}{=}$ **SCREEN** < 0.1 S Fine- to medium-grained, with clay S < 0.1 CL **CLAY**: Medium stiff to stiff Gray 80 10 < 0.1 12 < 0.1 100 14 < 0.1 Μ End of Boring at 15 feet bgs 16 18

20

#### **BORING LOG** AKT-5 333 N. Old Woodward Avenue **AKT**PEERLESS Drawn By: S. Wasielewski Birmingham, Michigan AKT Peerless Project No: 13661F-2-20 Date: 11/9/2018 DRILLING COMPANY: **AKT Peerless** WEATHER: Sunny, 40 °F TECHNICIAN: B. Fox **BORING DEPTH:** 11 feet bgs DATE DRILLED: 10/23/2018 **DEPTH TO GW:** Not encountered DRILLING METHOD: Not applicable Geoprobe SCREEN INTERVAL: FIELD GEOLOGIST: Not applicable S. Wasielewski; M. Marguin SCREEN MATERIAL: SAMPLE INTERVAL USCS SOIL CLASS. % RECOVERY DEPTH FEET PID VALUE MOISTURE COLOR **TEMPORARY WELL GEOLOGIC DESCRIPTION DIAGRAM** ASPHALT Gray **GRAVEL BASE** < 0.1 80 < 0.1 CLAY: Mottled, medium stiff to stiff CL Brown М to Gray <0.1 Sandy seam 100 6 Stiff < 0.1 < 0.1 100 10 < 0.1 Μ End of Boring at 11 feet bgs 12

14

16

18

20



# Appendix B

**Analytical Laboratory Report and Chain of Custody Documentation** 



Wednesday, October 31, 2018

Fibertec Project Number: 87419

Project Identification: 13661F-2-20 /13661F-2-20

Submittal Date: 10/24/2018

Mr. Scott Wasielewski
AKT Peerless Environ. Svcs, Inc. - Farm. Hills
22725 Orchard Lake Road
Farmington Hills, MI 48336

Dear Mr. Wasielewski,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 10 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Stephannie Wallace at 12:04 PM, Oct 31, 2018

Stephan. Wallam

For Daryl P. Strandbergh Laboratory Director

**Enclosures** 

DCSID: G-610.16 (01/06/16)



11766 E. Grand River

8660 S. Mackinaw Trail

#### Analytical Laboratory Report Laboratory Project Number: 87419 Laboratory Sample Number: 87419-001

Order: 87419 Page: 2 of 24 Date: 10/31/18

169728 Client Identification: AKT Peerless Environ. Svcs, Sample Description: AKT-1 (2-4) Chain of Custody: Inc. - Farm. Hills 13661F-2-20 10/23/18 Client Project Name: Sample No: Collect Date: 13661F-2-20 Sample Matrix: Soil/Solid Collect Time: 09:50 Client Project No: Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-001 Matrix: Soil/Solid Method: ASTM D2216-10 Description: AKT-1 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Percent Moisture (Water Content) 9 % 1.0 10/26/18 MC181026 10/29/18 MC181026 DW Michigan 10 Elements by ICP/MS Aliquot ID: 87419-001 Matrix: Soil/Solid Method: EPA 0200.2/EPA 6020A Description: AKT-1 (2-4) Preparation Analysis Q Parameter(s) Result Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 5300 µg/kg 100 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 1. Arsenic 2. Barium 32000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A μg/kg JLH 3. Cadmium 150 µg/kg 50 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 4. Chromium 7900 μg/kg 500 20 10/30/18 PT18J30A 10/30/18 T418J30A 5. Copper 7500 1000 10/30/18 PT18J30A 10/30/18 JLH µg/kg 20 T418J30A 6.Lead 32000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg u 20 7. Selenium 200 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg U 20 PT18J30A T418J30A 8. Silver μg/kg 100 10/30/18 10/30/18 1000 9. Zinc 40000 µg/kg 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH Mercury by CVAAS Aliquot ID: 87419-001 Matrix: Soil/Solid Method: EPA 7471B Description: AKT-1 (2-4) Preparation Analysis P. Date O Reporting Limit Parameter(s) Result Units Dilution P. Batch A. Date A. Batch Init 110 1. Mercury 10/26/18 PM18J26B 10/26/18 M718J26A NRV 50 9.7 µg/kg Aliquot ID: Matrix: Soil/Solid Polychlorinated Biphenyls (PCBs) 87419-001 Method: EPA 3546/EPA 8082A Description: AKT-1 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Aroclor-1016 U μg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 2 Aroclor-1221 U 10/26/18 PS18J26C SF18J26A RDK 100 5.0 10/26/18 μg/kg 3. Aroclor-1232 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 4. Aroclor-1242 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg U SF18J26A RDK 5. Aroclor-1248 ua/ka 100 5.0 10/26/18 PS18J26C 10/26/18 U 6. Aroclor-1254 µg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 7. Aroclor-1260 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 8. Aroclor-1262 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 9. Aroclor-1268 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 1914 Holloway Drive Holt, MI 48842 T: (517) 699-0345 F: (517) 699-0388

T: (810) 220-3300

T: (231) 775-8368

F: (810) 220-3311

F: (231) 775-8584

Brighton, MI 48116

Cadillac, MI 49601



Order: 87419
Page: 3 of 24
Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-1 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Collect Date:

10/23/18

Client Project No:

13661F-2-20 Sample Matrix:

Collect Time:

09:50

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Sample No:

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

Soil/Solid

87419-001A

Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B

Description: AKT-1 (2-4)

Wethod: EPA 5035A/EPA 8260B			-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AK I-1 (2-4)				
	5 "			. 5		aration		nalysis	
Parameter(s)	Result	Q Uni	ts Reporting Limi	t Dilution	P. Date	P. Batch	A. Date	A. Batch	ı
1. Acetone	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
2. Acrylonitrile	U	μg/l	g 120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	۱ [
3. Benzene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	\ [
4. Bromobenzene	U	μg/l	ig 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	\ [
5. Bromochloromethane	U	μg/l	ig 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	۱ (
6. Bromodichloromethane	U	μg/l	g 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	. [
7. Bromoform	U	μg/l	rg 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	l
8. Bromomethane	U	μg/l	g 200	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	١l
9.2-Butanone	U	μg/l	rg 750	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	١
10. n-Butylbenzene	U	μg/l	tg 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	۱ ،
11. sec-Butylbenzene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	١
12. tert-Butylbenzene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	\ I
13. Carbon Disulfide	U	μg/l	g 250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı I
14. Carbon Tetrachloride	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
15. Chlorobenzene	U	μg/l	rg 61	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
16. Chloroethane	U	μg/l	g 300	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
17. Chloroform	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
18. Chloromethane	U	μg/l	g 250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
19.2-Chlorotoluene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
20.1,2-Dibromo-3-chloropropane (SIM)	U	μg/l	g 250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	١
21. Dibromochloromethane	U	μg/l	rg 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
22. Dibromomethane	U	μg/l	g 250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	١
23.1,2-Dichlorobenzene	U	μg/l	g 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
24.1,3-Dichlorobenzene	U	μg/l	g 100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
25.1,4-Dichlorobenzene	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
26. Dichlorodifluoromethane	U	μg/l	g 250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
27.1,1-Dichloroethane	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
28.1,2-Dichloroethane	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
29.1,1-Dichloroethene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
30. cis-1,2-Dichloroethene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
31.trans-1,2-Dichloroethene	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
32.1,2-Dichloropropane	U	μg/l	g 50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
33. cis-1,3-Dichloropropene	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
34. trans-1,3-Dichloropropene	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
35. Ethylbenzene	U	μg/l	0	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
36. Ethylene Dibromide	U	μg/l		1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
37.2-Hexanone		P9'	5		. 5, = 5, 10				_

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: 4 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-1 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20

Soil/Solid Collect Time: 09:50

Sample Comments:

Sample Matrix: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

87419-001A

Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B

Description: AKT-1 (2-4)

						Prepa	ration	A	nalysis	
Parameter(s)	Result	Q (	Jnits	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
38. Isopropylbenzene	U	μ	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
39.4-Methyl-2-pentanone	U	μ	g/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
40. Methylene Chloride	U	μ	g/kg	120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
41.2-Methylnaphthalene	U	μ	g/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
42.MTBE	U	μ	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
43. Naphthalene	U	μ	g/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
44. n-Propylbenzene	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
45. Styrene	U	μ	g/kg	61	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
46.1,1,1,2-Tetrachloroethane	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
47.1,1,2,2-Tetrachloroethane	U	μ	g/kg	61	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
48. Tetrachloroethene	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
49. Toluene	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
50.1,2,4-Trichlorobenzene	U	μ	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
51.1,1,1-Trichloroethane	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
52.1,1,2-Trichloroethane	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
53. Trichloroethene	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
54. Trichlorofluoromethane	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
55.1,2,3-Trichloropropane	U	μ	g/kg	120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
56.1,2,3-Trimethylbenzene	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
57.1,2,4-Trimethylbenzene	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
58.1,3,5-Trimethylbenzene	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
59. Vinyl Chloride	U	μ	g/kg	43	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
60. m&p-Xylene	U	μ	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
61.o-Xylene	U	μ	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR

Polynuclear Aromatic Hydrocarbons (PNAs)

‡ 62. Xylenes

Aliquot ID:

1.0

150

87419-001

10/25/18

Matrix: Soil/Solid

10/25/18

VJ18J25A DAR

VJ18J25A

Method: EPA 3546/EPA 8270E Description: AKT-1 (2-4)

U

						Prepa	ration	A	nalysis
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch Init.
1. Acenaphthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP
2. Acenaphthylene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP
3. Anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP
4. Benzo(a)anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP
5. Benzo(a)pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP
6. Benzo(b)fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKP

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

μg/kg

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419
Page: 5 of 24
Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-1 (2-4)

Chain of Custody:

169728

Client Project Name: 13661

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

**13661F-2-20** Sample Matrix:

Soil/Solid Collect Time:

09:50

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs)

Aliquot ID: 87419-001

Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E

Description: AKT-1 (2-4)

Method: EPA 3546/EPA 8270E				Des	cription: Al	KT-1 (2-4)			
						Prepa	ration	А	nalysis
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch Init.
7. Benzo(ghi)perylene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
8. Benzo(k)fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
9. Chrysene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
11. Fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
12. Fluorene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
13. Indeno(1,2,3-cd)pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
15. Naphthalene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF
16. Phenanthrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RK
17. Pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A RKF

RSN: 87419-181031120005



Order: 87419 Page: 6 of 24 Date: 10/31/18

169728 Client Identification: AKT Peerless Environ. Svcs, Sample Description: AKT-2 (2-4) Chain of Custody: Inc. - Farm. Hills 13661F-2-20 10/23/18 Client Project Name: Sample No: Collect Date: 13661F-2-20 Sample Matrix: Soil/Solid Collect Time: 10:00 Client Project No: Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-002 Matrix: Soil/Solid Method: ASTM D2216-10 Description: AKT-2 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Percent Moisture (Water Content) 9 % 1.0 10/26/18 MC181026 10/29/18 MC181026 DW Michigan 10 Elements by ICP/MS Aliquot ID: 87419-002 Matrix: Soil/Solid Method: EPA 0200.2/EPA 6020A Description: AKT-2 (2-4) Preparation Analysis Q Parameter(s) Result Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 5400 µg/kg 100 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 1. Arsenic 2. Barium 55000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A μg/kg JLH 3. Cadmium 260 µg/kg 50 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 4. Chromium 9600 μg/kg 500 20 10/30/18 PT18J30A 10/30/18 T418J30A 5. Copper 12000 1000 10/30/18 PT18J30A 10/30/18 JLH µg/kg 20 T418J30A 6.Lead 32000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg 240 20 7. Selenium 200 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg 20 PT18J30A T418J30A 8. Silver U μg/kg 100 10/30/18 10/30/18 1000 9. Zinc 52000 µg/kg 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH Mercury by CVAAS Aliquot ID: 87419-002 Matrix: Soil/Solid Method: EPA 7471B Description: AKT-2 (2-4) Preparation Analysis P. Date Q Reporting Limit Parameter(s) Result Units Dilution P. Batch A. Date A. Batch Init U 1. Mercury 10/26/18 PM18J26B 10/26/18 M718J26A NRV µg/kg 50 8.7 Aliquot ID: Matrix: Soil/Solid Polychlorinated Biphenyls (PCBs) 87419-002 Method: EPA 3546/EPA 8082A Description: AKT-2 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Aroclor-1016 U μg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 2 Aroclor-1221 U 10/26/18 PS18J26C SF18J26A RDK 100 5.0 10/26/18 μg/kg 3. Aroclor-1232 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 4. Aroclor-1242 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg U SF18J26A RDK 5. Aroclor-1248 ua/ka 100 5.0 10/26/18 PS18J26C 10/26/18 U 6. Aroclor-1254 µg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 7. Aroclor-1260 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 8. Aroclor-1262 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 9. Aroclor-1268 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 1914 Holloway Drive Holt, MI 48842 T: (517) 699-0345 F: (517) 699-0388 11766 E. Grand River Brighton, MI 48116 T: (810) 220-3300 F: (810) 220-3311

Cadillac, MI 49601

8660 S. Mackinaw Trail

DCSID: G-610.16 (01/06/16)

F: (231) 775-8584

T: (231) 775-8368



Order: 87419 Page: 7 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-2 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20

Sample Matrix: Soil/Solid

Collect Time:

10:00

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

87419-002A

Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B Description: AKT-2 (2-4)

						Prepa	ration	A	nalysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		μg/kg	1000	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 2. Acrylonitrile	U		µg/kg	120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
3. Benzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
4. Bromobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
5. Bromochloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
6. Bromodichloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
7. Bromoform	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
8. Bromomethane	U		μg/kg	200	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
9.2-Butanone	U		μg/kg	750	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
10.n-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
11. sec-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
12. tert-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
13. Carbon Disulfide	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
14. Carbon Tetrachloride	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
15. Chlorobenzene	U		μg/kg	59	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
16. Chloroethane	U		μg/kg	290	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
17. Chloroform	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
18. Chloromethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
19.2-Chlorotoluene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
21. Dibromochloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
22. Dibromomethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
23.1,2-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
24.1,3-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
25.1,4-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
26. Dichlorodifluoromethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
27.1,1-Dichloroethane	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
28.1,2-Dichloroethane	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
29.1,1-Dichloroethene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
30. cis-1,2-Dichloroethene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
31.trans-1,2-Dichloroethene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
32.1,2-Dichloropropane	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
33. cis-1,3-Dichloropropene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
34. trans-1,3-Dichloropropene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
35. Ethylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
36. Ethylene Dibromide	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
37.2-Hexanone	U		μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: 8 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

13661F-2-20

Sample Description: AKT-2 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20 Sample No: Collect Date: Collect Time: 10/23/18 10:00

Client Project No: Sample Comments:

Sample Matrix: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID: 87419-002A

Soil/Solid

Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B Description: AKT-2 (2-4)

38. isopropylbenzene  U μg/kg 250 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 39.4-Methyl-z-pentanone  U μg/kg 2500 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 40. Methylene Chloride  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 42. MTBE  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 43. Naphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 43. Naphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. n-Propylbenzene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. n-Propylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 45. Styrene  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 46. 1,1,1,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 47. 1,1,2,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 48. Tetrachloroethene  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,3,3-Trimethylbenzene  U μg/kg 100 1.0	Method. Li A 3033A/Li A 0200B		Description. Arti-2 (2-4)										
38. isopropylbenzene  U μg/kg 250 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 39.4-Methyl-z-pentanone  U μg/kg 2500 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 40. Methylene Chloride  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 42. MTBE  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 43. Naphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 43. Naphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. n-Propylbenzene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. n-Propylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 45. Styrene  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 46. 1,1,1,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 47. 1,1,2,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 48. Tetrachloroethene  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,1,2-Trichloroethane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 56. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/													
39. 4-Methyl-2-pentanone U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 40. Methylene Chloride U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 41.2-Methylnaphthalene U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 42. MTBE U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 43. Naphthalene U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 44. n-Propylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 45. Styrene U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 46. 1,1,1,2-Tetrachloroethane U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 47. 1,1,2,2-Tetrachloroethane U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 48. Tetrachloroethene U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50. 1,2,4-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 52. 1,1,2-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 53. Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 54. Trichloroethane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 55. 1,2,3-Trichloropropane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 56. 1,2,3-Trichloropropane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 57. 1,2,4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 58. 1,3,5-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 57. 1,2,4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 58. 1,3,5-Trimethylbenzene U μg/kg 100	Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Ini			
40. Methylene Chloride  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 41.2-Methylnaphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 42. MTBE  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 43. Naphthalene  U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. Naphthalene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 45. Styrene  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 46. 1,1,1,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 47. 1,1,2,2-Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 48. Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 48. Tetrachloroethane  U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 51.1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 52. 1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 53. Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 53. Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 54. Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trichloropropane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trichloropropane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 56. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/	38. Isopropylbenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
41.2-Methylnaphthalene	39.4-Methyl-2-pentanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
42.MTBE U µg/kg 250 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 43.Naphthalene U µg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 44.n-Propylbenzene U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 45.Styrene U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 46.1,1,1,2-Tetrachloroethane U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 47.1,1,2,2-Tetrachloroethane U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 47.1,1,2,2-Tetrachloroethane U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 48.Tetrachloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 48.Tetrachloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 250 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloroethane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloroethane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 50.1,2,3-Trichlo	40. Methylene Chloride	U	μg/kg	120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
43. Naphthalene U μg/kg 330 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 44. n-Propylbenzene U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 45. Styrene U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 46. 1,1,1,2-Tetrachloroethane U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 47. 1,1,2,2-Tetrachloroethane U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 47. 1,1,2,2-Tetrachloroethane U μg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 48. Tetrachloroethene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2,4-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 51. 1,1,1-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 52. 1,1,2-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 53. Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 54. Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2-Trichloroethane U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 54. Trichloroethane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2-3-Trichloroethane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2-3-Trichloroethane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 56. 1,2-3-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 57. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 50. 1,2-4-Trimethylbenzene U μg/kg 100 1.0 10/25/	41.2-Methylnaphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
44.n-Propylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D0/25/18       VJ18J25A	42.MTBE	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
45. Styrene U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   46. 1,1,1,2-Tetrachloroethane U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   47. 1,1,2,2-Tetrachloroethane U µg/kg 59 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   48. Tetrachloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   49. Toluene U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   49. Toluene U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. 1,2,4-Trichlorobenzene U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. 1,2,4-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   51. 1,1,1-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   52. 1,1,2-Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   53. Trichloroethane U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   54. Trichlorofluoromethane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   55. 1,2,3-Trichloropropane U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   56. 1,2,3-Trimethylbenzene U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   57. 1,2,4-Trimethylbenzene U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   58. 1,3,5-Trimethylbenzene U µg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   59. Vinyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   59. Vinyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D   50. Ninyl Chloride U µg/kg 110 1.	43. Naphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
46.1,1,1,2-Tetrachloroethane       U       µg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         47.1,1,2,2-Tetrachloroethane       U       µg/kg       59       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         48. Tetrachloroethene       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         49. Toluene       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         50.1,2,4-Trichlorobenzene       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         51.1,1,1-Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         52.1,1,2-Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         53. Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         54. Trichlorofluoromethane       U	44. n-Propylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
47.1,1,2,2-Tetrachloroethane       U       µg/kg       59       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         48. Tetrachloroethene       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         49. Toluene       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         50.1,2,4-Trichloroebnzene       U       µg/kg       250       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         51.1,1,1-Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         52.1,1,2-Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         53.Trichloroethane       U       µg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         54.Trichlorofluoromethane       U       µg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         55.1,2,3-Trichloropropane       U	45. Styrene	U	μg/kg	59	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA			
48. Tetrachloroethene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 250 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 250 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 50 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 100 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 120 1.0 10/25/18 VJ18J25A D 49. Toluene U μg/kg 100 1.0 10/25/18 VJ18J25A D 49. Toluene	46.1,1,1,2-Tetrachloroethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
49. Toluene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  50.1,2,4-Trichlorobenzene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  51.1,1,1-Trichloroethane  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  52.1,1,2-Trichloroethane  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  53. Trichloroethane  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  54. Trichlorofluoromethane  U µg/kg  100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  55.1,2,3-Trichloropropane  U µg/kg  100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  56.1,2,3-Trimethylbenzene  U µg/kg  100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  57.1,2,4-Trimethylbenzene  U µg/kg  100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  58.1,3,5-Trimethylbenzene  U µg/kg  100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  59. Vinyl Chloride  U µg/kg  41 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  60. m&p-Xylene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  61. o-Xylene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  61. o-Xylene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  61. o-Xylene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  61. o-Xylene  U µg/kg  50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D  61. o-Xylene	47.1,1,2,2-Tetrachloroethane	U	μg/kg	59	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
50.1,2,4-Trichlorobenzene       U       μg/kg       250       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         51.1,1,1-Trichloroethane       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         52.1,1,2-Trichloroethane       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         53.Trichloroethene       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         54.Trichlorofluoromethane       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         55.1,2,3-Trichloropropane       U       μg/kg       120       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         56.1,2,3-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         57.1,2,4-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D.         59. Vinyl Chloride	48. Tetrachloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D.			
51.1,1,1-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 52.1,1,2-Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 53.Trichloroethane  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 54.Trichlorofluoromethane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55.1,2,3-Trichloropropane  U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 56.1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 57.1,2,4-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 58.1,3,5-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 58.1,3,5-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59.Vinyl Chloride  U μg/kg 110 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 60.m&p-Xylene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 61.ο-Xylene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D	49. Toluene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
52.1,1,2-Trichloroethane       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         53. Trichloroethene       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         54. Trichlorofluoromethane       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         55. 1,2,3-Trichloropropane       U       μg/kg       120       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         56. 1,2,3-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         57. 1,2,4-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         58. 1,3,5-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         59. Vinyl Chloride       U       μg/kg       41       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D/         60. m&p-Xylene	50.1,2,4-Trichlorobenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
53. Trichloroethene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 54. Trichlorofluoromethane U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 55. 1,2,3-Trichloropropane U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 56. 1,2,3-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 57. 1,2,4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 58. 1,3,5-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 58. 1,3,5-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 59. Vinyl Chloride U μg/kg 41 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 60. m&p-Xylene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 61. ο-Xylene	51.1,1,1-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
54. Trichlorofluoromethane  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 55. 1,2,3-Trichloropropane  U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 65. 1,2,3-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 65. 1,2,4-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 65. 1,3,5-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 65. 1,3,5-Trimethylbenzene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 60. m&p-Xylene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 60. m&p-Xylene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 61. ο-Xylene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 61. ο-Xylene	52.1,1,2-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
55.1,2,3-Trichloropropane  U μg/kg 120 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/25/18 VJ1	53. Trichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
E 56.1,2,3-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/ 57.1,2,4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/ 58.1,3,5-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/ 59. Vinyl Chloride U μg/kg 41 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/ 60. m&p-Xylene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/ 61. ο-Xylene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D/	54. Trichlorofluoromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
57.1,2,4-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 58.1,3,5-Trimethylbenzene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 59. Vinyl Chloride U μg/kg 41 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 60.m&p-Xylene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 61.ο-Xylene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 61.ο-Xylene	55.1,2,3-Trichloropropane	U	μg/kg	120	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
58.1,3,5-Trimethylbenzene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         59. Vinyl Chloride       U       μg/kg       41       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         60. m&p-Xylene       U       μg/kg       100       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D         61. o-Xylene       U       μg/kg       50       1.0       10/25/18       VJ18J25A       10/25/18       VJ18J25A       D	56.1,2,3-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
59. Vinyl Chloride  U μg/kg 41 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 60. m&p-Xylene  U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D. 61. ο-Xylene  U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D.	57.1,2,4-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
60. m&p-Xylene U μg/kg 100 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 1.0-Xylene U μg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D 1.0-Xylene	58.1,3,5-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
61.o-Xylene U µg/kg 50 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D	59. Vinyl Chloride	U	μg/kg	41	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
100	60.m&p-Xylene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
<sup>‡</sup> 62. Xylenes U μg/kg 150 1.0 10/25/18 VJ18J25A 10/25/18 VJ18J25A D	61.o-Xylene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			
	62. Xylenes	U	μg/kg	150	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D			

Polynuclear Aromatic Hydrocarbons (PNAs) Aliquot ID: 87419-002 Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E Description: AKT-2 (2-4)

						Prepa	ration	A	nalysis
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch Init
1. Acenaphthene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJF
2. Acenaphthylene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJI
3. Anthracene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJI
4. Benzo(a)anthracene (SIM)	350		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJF
5. Benzo(a)pyrene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJI
6. Benzo(b)fluoranthene (SIM)	340		μg/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A GJF

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: 9 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-2 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

Collect Time:

10:00

Sample Comments:

Sample Matrix: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs)

Aliquot ID:

Soil/Solid

87419-002

Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E				Des	cription: A	KT-2 (2-4)				
						Prepa	ration	А	nalysis	
Parameter(s)	Result	Q Ur	its	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
7. Benzo(ghi)perylene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJF
8. Benzo(k)fluoranthene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJF
9. Chrysene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
10. Dibenzo(a,h)anthracene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
11. Fluoranthene (SIM)	360	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
12. Fluorene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
13. Indeno(1,2,3-cd)pyrene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
14.2-Methylnaphthalene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJF
15. Naphthalene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
16. Phenanthrene (SIM)	U	μg	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI
17. Pyrene (SIM)	U	μд	/kg	330	20	10/26/18	PS18J26C	10/26/18	SG18J26A	GJI

RSN: 87419-181031120005



DCSID: G-610.16 (01/06/16)

#### Analytical Laboratory Report Laboratory Project Number: 87419 Laboratory Sample Number: 87419-003

Order: 87419 Page: 10 of 24 Date: 10/31/18

169728 Client Identification: AKT Peerless Environ. Svcs, Sample Description: AKT-3 (2-4) Chain of Custody: Inc. - Farm. Hills 13661F-2-20 10/23/18 Client Project Name: Sample No: Collect Date: 13661F-2-20 Sample Matrix: Soil/Solid Collect Time: 11:00 Client Project No: Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-003 Matrix: Soil/Solid Method: ASTM D2216-10 Description: AKT-3 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Percent Moisture (Water Content) 9 % 1.0 10/26/18 MC181026 10/29/18 MC181026 DW Michigan 10 Elements by ICP/MS Aliquot ID: 87419-003 Matrix: Soil/Solid Method: EPA 0200.2/EPA 6020A Description: AKT-3 (2-4) Preparation Analysis Q Parameter(s) Result Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 6400 100 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 1. Arsenic µq/kq 2. Barium 300000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A μg/kg JLH 3. Cadmium 1000 µg/kg 50 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 4. Chromium 47000 μg/kg 500 20 10/30/18 PT18J30A 10/30/18 T418J30A 5. Copper 22000 1000 20 10/30/18 PT18J30A 10/30/18 JLH µg/kg T418J30A 6.Lead 57000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg U 20 7. Selenium 200 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg U 20 PT18J30A T418J30A 8. Silver μg/kg 100 10/30/18 10/30/18 1000 9. Zinc 220000 µg/kg 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH Mercury by CVAAS Aliquot ID: 87419-003 Matrix: Soil/Solid Method: EPA 7471B Description: AKT-3 (2-4) Preparation Analysis P. Date Q Reporting Limit Parameter(s) Result Units Dilution P. Batch A. Date A. Batch Init U 1. Mercury 10/26/18 PM18J26B 10/26/18 M718J26A NRV µg/kg 50 9.7 Aliquot ID: Matrix: Soil/Solid Polychlorinated Biphenyls (PCBs) 87419-003 Method: EPA 3546/EPA 8082A Description: AKT-3 (2-4) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Aroclor-1016 U μg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 2 Aroclor-1221 U 10/26/18 PS18J26C SF18J26A RDK 100 5.0 10/26/18 μg/kg 3. Aroclor-1232 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 4. Aroclor-1242 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg U SF18J26A RDK 5. Aroclor-1248 ua/ka 100 5.0 10/26/18 PS18J26C 10/26/18 U 6. Aroclor-1254 µg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 7. Aroclor-1260 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 8. Aroclor-1262 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 9. Aroclor-1268 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 1914 Holloway Drive Holt, MI 48842 T: (517) 699-0345 F: (517) 699-0388 11766 E. Grand River Brighton, MI 48116 T: (810) 220-3300 F: (810) 220-3311 Cadillac, MI 49601 T: (231) 775-8368 F: (231) 775-8584 8660 S. Mackinaw Trail



Order: 87419 Page: 11 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-3 (2-4)

Chain of Custody:

169728

Client Project Name: 1

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

**13661F-2-20** Sample Matrix:

Soil/Solid Collect Time:

llect Time: 11:00

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 Aliquot ID: 87419-003A Method: EPA 5035A/EPA 8260B Description: AKT-3 (2-4)

Aliquot ID:	87419-003A	Matrix: Soil/Solid
Description:	AKT-3 (2-4)	

						Prepa	ration	A	nalysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		μg/kg	2400	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 2. Acrylonitrile	U		μg/kg	480	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
3. Benzene	U		μg/kg	59	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
4. Bromobenzene	U		μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
5. Bromochloromethane	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
6. Bromodichloromethane	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
7. Bromoform	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
8. Bromomethane	U		μg/kg	480	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
9.2-Butanone	U		μg/kg	2400	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
10. n-Butylbenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
11. sec-Butylbenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
12. tert-Butylbenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
13. Carbon Disulfide	U		μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
14. Carbon Tetrachloride	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
15. Chlorobenzene	U		μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
16. Chloroethane	U		μg/kg	1200	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
17. Chloroform	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
18. Chloromethane	U		μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
19.2-Chlorotoluene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U		μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
21. Dibromochloromethane	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
22. Dibromomethane	U		μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
23.1,2-Dichlorobenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
24.1,3-Dichlorobenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
25.1,4-Dichlorobenzene	U		μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
26. Dichlorodifluoromethane	U		μg/kg	480	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
27.1,1-Dichloroethane	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
28.1,2-Dichloroethane	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
29.1,1-Dichloroethene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
30. cis-1,2-Dichloroethene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
31. trans-1,2-Dichloroethene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
32.1,2-Dichloropropane	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
33. cis-1,3-Dichloropropene	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
34. trans-1,3-Dichloropropene	U		μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
35. Ethylbenzene	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
36. Ethylene Dibromide	U		μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
37.2-Hexanone	U		μg/kg	2500	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: Date:

12 of 24 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-3 (2-4)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date: Collect Time: 10/23/18

Client Project No:

13661F-2-20 Sample Matrix:

Soil/Solid

11:00

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Method: EPA 5035A/EPA 8260B

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID: 87419-003A

Matrix: Soil/Solid

Description: AKT-3 (2-4)

Metilou. Li A 3033A/Li A 0200B			Des	cription. 7	-1(1-5 (2- <del>4</del> )				
					Prepa		Analysis		
Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lni
38. Isopropylbenzene	U	μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
39.4-Methyl-2-pentanone	U	μg/kg	2500	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
40. Methylene Chloride	U	μg/kg	480	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	. DA
41.2-Methylnaphthalene	U	μg/kg	950	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
42.MTBE	U	μg/kg	250	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D/
43. Naphthalene	U	μg/kg	330	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
44. n-Propylbenzene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	. DA
45. Styrene	U	μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
46.1,1,1,2-Tetrachloroethane	U	μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
47.1,1,2,2-Tetrachloroethane	U	μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
48. Tetrachloroethene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
49. Toluene	U	μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
50.1,2,4-Trichlorobenzene	U	μg/kg	900	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	. DA
51.1,1,1-Trichloroethane	U	μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
52.1,1,2-Trichloroethane	U	μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
53. Trichloroethene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
54. Trichlorofluoromethane	U	μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
55.1,2,3-Trichloropropane	U	μg/kg	480	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
56.1,2,3-Trimethylbenzene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
57.1,2,4-Trimethylbenzene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
58.1,3,5-Trimethylbenzene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
59. Vinyl Chloride	U	μg/kg	170	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
60.m&p-Xylene	U	μg/kg	240	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
61.o-Xylene	U	μg/kg	120	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
62. Xylenes	U	μg/kg	360	4.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D

Polynuclear Aromatic Hydrocarbons (PNAs)

Aliquot ID:

87419-003

Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E

Description: AKT-3 (2-4)

						Prepa	ration	Α	nalysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP
2. Acenaphthylene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP
3. Anthracene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP
4. Benzo(a)anthracene (SIM)	330		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP
5. Benzo(a)pyrene (SIM)	390		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP
6. Benzo(b)fluoranthene (SIM)	550		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: 13 of 24 Date: 10/31/18

AKT Peerless Environ. Svcs, Client Identification:

Inc. - Farm. Hills

13661F-2-20

Sample Description: AKT-3 (2-4)

Chain of Custody:

169728

13661F-2-20 Client Project Name:

Sample No:

Collect Date:

10/23/18

Sample Matrix:

Soil/Solid Collect Time: 11:00

Sample Comments:

Client Project No:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs)

87419-003 Aliquot ID: ALCT 0 (0 4) Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E	Description: AKT-3 (2-4)										
						Prepa	ration	Analysis			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.	
7. Benzo(ghi)perylene (SIM)	480		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
8. Benzo(k)fluoranthene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
9. Chrysene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
11. Fluoranthene (SIM)	920		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
12. Fluorene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
13. Indeno(1,2,3-cd)pyrene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
15. Naphthalene (SIM)	U		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
16. Phenanthrene (SIM)	500		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	
17. Pyrene (SIM)	770		μg/kg	330	20	10/26/18	PS18J26C	10/29/18	S618J29A	GJP	

RSN: 87419-181031120005



Order: 87419 Page: 14 of 24 Date: 10/31/18

169728 Client Identification: AKT Peerless Environ. Svcs, Sample Description: AKT-3 (4-6) Chain of Custody: Inc. - Farm. Hills 13661F-2-20 10/23/18 Client Project Name: Sample No: Collect Date: 13661F-2-20 Sample Matrix: Soil/Solid Collect Time: 11:05 Client Project No: Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-004 Matrix: Soil/Solid Method: ASTM D2216-10 Description: AKT-3 (4-6) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Percent Moisture (Water Content) 15 % 1.0 10/26/18 MC181026 10/29/18 MC181026 DW Michigan 10 Elements by ICP/MS Aliquot ID: 87419-004 Matrix: Soil/Solid Method: EPA 0200.2/EPA 6020A Description: AKT-3 (4-6) Preparation Analysis Q Parameter(s) Result Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 11000 100 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 1. Arsenic µg/kg 2. Barium 55000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A μg/kg JLH 3. Cadmium 130 µg/kg 50 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH 4. Chromium 20000 μg/kg 500 20 10/30/18 PT18J30A 10/30/18 T418J30A 5. Copper 17000 1000 20 10/30/18 PT18J30A 10/30/18 JLH µg/kg T418J30A 6.Lead 10000 1000 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg U 20 7. Selenium 200 10/30/18 PT18J30A 10/30/18 T418J30A JLH µg/kg U 20 PT18J30A T418J30A 8. Silver μg/kg 100 10/30/18 10/30/18 1000 9. Zinc 51000 µg/kg 20 10/30/18 PT18J30A 10/30/18 T418J30A JLH Mercury by CVAAS Aliquot ID: 87419-004 Matrix: Soil/Solid Method: EPA 7471B Description: AKT-3 (4-6) Preparation Analysis Reporting Limit P. Date Q Parameter(s) Result Units Dilution P. Batch A. Date A. Batch Init U 1. Mercury 0.93 10/26/18 PM18J26B 10/26/18 M718J26A NRV µg/kg 50 Aliquot ID: Matrix: Soil/Solid Polychlorinated Biphenyls (PCBs) 87419-004 Method: EPA 3546/EPA 8082A Description: AKT-3 (4-6) Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Aroclor-1016 U μg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 2 Aroclor-1221 U 10/26/18 PS18J26C SF18J26A RDK 100 5.0 10/26/18 μg/kg 3. Aroclor-1232 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 4. Aroclor-1242 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg U SF18J26A RDK 5. Aroclor-1248 ua/ka 100 5.0 10/26/18 PS18J26C 10/26/18 U 6. Aroclor-1254 µg/kg 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK 7. Aroclor-1260 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK µg/kg U 8. Aroclor-1262 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 9. Aroclor-1268 U 100 5.0 10/26/18 PS18J26C 10/26/18 SF18J26A RDK μg/kg 1914 Holloway Drive Holt, MI 48842 T: (517) 699-0345 F: (517) 699-0388 11766 E. Grand River Brighton, MI 48116 T: (810) 220-3300 F: (810) 220-3311 Cadillac, MI 49601 T: (231) 775-8368 F: (231) 775-8584 8660 S. Mackinaw Trail



Order: 87419 15 of 24 Page: Date: 10/31/18

AKT Peerless Environ. Svcs, Client Identification:

Inc. - Farm. Hills

Sample Description: AKT-3 (4-6)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20 Sample Matrix:

Collect Time:

11:05

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

Soil/Solid

87419-004A

Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B

Description: AKT-3 (4-6)

Parameter(s)	Result	Q Units	Reporting Limit	Dilution	Prepa P. Date	aration P. Batch	A. Date	nalysis A. Batch	lnit.
1. Acetone	U	μg/kg	1000	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
‡ 2. Acrylonitrile	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
3. Benzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
4. Bromobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
5. Bromochloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
6. Bromodichloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
7. Bromoform	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
8. Bromomethane	U	μg/kg	200	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF
9.2-Butanone	U	μg/kg	750	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
10. n-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
11. sec-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
12. tert-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
13. Carbon Disulfide	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
14. Carbon Tetrachloride	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
15. Chlorobenzene	U	μg/kg	67	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
16. Chloroethane	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
17. Chloroform	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
18. Chloromethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
19.2-Chlorotoluene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
21. Dibromochloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
22. Dibromomethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
23.1,2-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
24.1,3-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
25.1,4-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
26. Dichlorodifluoromethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAI
27.1,1-Dichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
28.1,2-Dichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
29.1,1-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
30. cis-1,2-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
31.trans-1,2-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
32.1,2-Dichloropropane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
33. cis-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
34.trans-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
35. Ethylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
36. Ethylene Dibromide	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
37.2-Hexanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAF

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 16 of 24 Page: Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-3 (4-6)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20 Sample Matrix:

Soil/Solid

Collect Time:

11:05

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

87419-004A Matrix: Soil/Solid

,			74						
			Des	cription: A	AKT-3 (4-6)				
					Prepar	ation	A	nalysis	
Result	Q U	nits	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init
U	μς	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	67	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DΑ
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	67	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	47	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μς	g/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
U	μο	g/kg	150	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
		Result Q U	Result Q Units  U	Result         Q         Units         Reporting Limit           U         µg/kg         250           U         µg/kg         2500           U         µg/kg         2500           U         µg/kg         130           U         µg/kg         330           U         µg/kg         250           U         µg/kg         330           U         µg/kg         330           U         µg/kg         67           U         µg/kg         67           U         µg/kg         50           U         µg/kg         100           U         µg/kg <td>Result         Q         Units         Reporting Limit         Dilution           U         µg/kg         250         1.0           U         µg/kg         2500         1.0           U         µg/kg         130         1.0           U         µg/kg         330         1.0           U         µg/kg         250         1.0           U         µg/kg         330         1.0           U         µg/kg         330         1.0           U         µg/kg         67         1.0           U         µg/kg         67         1.0           U         µg/kg         67         1.0           U         µg/kg         50         1.0           U         µg/kg         100         1.0           U         µg/kg</td> <td>Result         Q         Units         Reporting Limit         Dilution         AKT-3 (4-6)           U         μg/kg         250         1.0         10/25/18           U         μg/kg         2500         1.0         10/25/18           U         μg/kg         2500         1.0         10/25/18           U         μg/kg         130         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         250         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50<td>Result         Q         Units         Reporting Limit         Dilution         Preparation           U         μg/kg         250         1.0         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         50         1.0         10/25/18         VJ18J25A</td><td>Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18</td><td>Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date         A. Batch           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67</td></td>	Result         Q         Units         Reporting Limit         Dilution           U         µg/kg         250         1.0           U         µg/kg         2500         1.0           U         µg/kg         130         1.0           U         µg/kg         330         1.0           U         µg/kg         250         1.0           U         µg/kg         330         1.0           U         µg/kg         330         1.0           U         µg/kg         67         1.0           U         µg/kg         67         1.0           U         µg/kg         67         1.0           U         µg/kg         50         1.0           U         µg/kg         100         1.0           U         µg/kg	Result         Q         Units         Reporting Limit         Dilution         AKT-3 (4-6)           U         μg/kg         250         1.0         10/25/18           U         μg/kg         2500         1.0         10/25/18           U         μg/kg         2500         1.0         10/25/18           U         μg/kg         130         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         250         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         330         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         67         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50         1.0         10/25/18           U         μg/kg         50 <td>Result         Q         Units         Reporting Limit         Dilution         Preparation           U         μg/kg         250         1.0         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         50         1.0         10/25/18         VJ18J25A</td> <td>Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18</td> <td>Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date         A. Batch           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67</td>	Result         Q         Units         Reporting Limit         Dilution         Preparation           U         μg/kg         250         1.0         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A           U         μg/kg         50         1.0         10/25/18         VJ18J25A	Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18           U         μg/kg         67         1.0         10/25/18	Description: AKT-3 (4-6)           Result         Q         Units         Reporting Limit         Dilution         P. Date         P. Batch         A. Date         A. Batch           U         μg/kg         250         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         2500         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         130         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         330         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67         1.0         10/25/18         VJ18J25A         10/25/18         VJ18J25A           U         μg/kg         67

Polynuclear Aromatic Hydrocarbons (PNAs)

Aliquot ID: 87419-004

Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E

Description: AKT-3 (4-6)

						Prepa	ration	Analysis			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Acenaphthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
2. Acenaphthylene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
3. Anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
4. Benzo(a)anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
5.Benzo(a)pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
6. Benzo(b)fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 17 of 24 Page: Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

13661F-2-20

Sample Description: AKT-3 (4-6)

Chain of Custody:

169728

13661F-2-20 Client Project Name:

Sample No:

Collect Date:

10/23/18

Client Project No:

Collect Time:

11:05

Sample Comments:

Sample Matrix: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Soil/Solid

Aliquot ID: 87419-004 Matrix: Soil/Solid Polynuclear Aromatic Hydrocarbons (PNAs)

Method: EPA 3546/EPA 8270E	Description: AKT-3 (4-6)										
						Prepa	ration	А	nalysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.	
7. Benzo(ghi)perylene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
8.Benzo(k)fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
9. Chrysene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
11. Fluoranthene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
12. Fluorene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
13. Indeno(1,2,3-cd)pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
15. Naphthalene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
16. Phenanthrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	
17. Pyrene (SIM)	U		μg/kg	330	1.0	10/26/18	PS18J26C	10/26/18	SG18J26A	RKP	

RSN: 87419-181031120005



Order: 87419 Page: 18 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-4 (9-10)

Chain of Custody:

169728

Client Project Name: 1

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20

Sample Matrix: Soil/Solid

Collect Time:

11:45

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-005 Matrix: Soil/Solid

Method: ASTM D2216-10 Description: AKT-4 (9-10)

						Prepa	ration	A	nalysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch Ini	nit.
1. Percent Moisture (Water Content)	15		%	1	1.0	10/26/18	MC181026	10/29/18	MC181026 D\	W

Volatile Organic Compounds (VOCs) by GC/MS, 5035 Aliquot ID: 87419-005A Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B Description: AKT-4 (9-10)

						Prepar	ation	A	nalysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		μg/kg	1000	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 2. Acrylonitrile	U		μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
3. Benzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
4. Bromobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
5. Bromochloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
6. Bromodichloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
7. Bromoform	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
8. Bromomethane	U		μg/kg	200	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
9.2-Butanone	U		μg/kg	750	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
10. n-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
11. sec-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
12. tert-Butylbenzene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
13. Carbon Disulfide	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
14. Carbon Tetrachloride	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
15. Chlorobenzene	U		μg/kg	66	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
16. Chloroethane	U		μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
17. Chloroform	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
18. Chloromethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
19.2-Chlorotoluene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
21. Dibromochloromethane	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
22. Dibromomethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
23.1,2-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
24.1,3-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
25.1,4-Dichlorobenzene	U		μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
26. Dichlorodifluoromethane	U		μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
27.1,1-Dichloroethane	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
28.1,2-Dichloroethane	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
29.1,1-Dichloroethene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
30. cis-1,2-Dichloroethene	U		μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail

DCSID: G-610.16 (01/06/16)

Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 Page: 19 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

13661F-2-20

Sample Description: AKT-4 (9-10)

Chain of Custody:

169728

Client Project Name:

13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

Soil/Solid Collect Time: 11:45

Sample Comments:

Sample Matrix: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID: 87419-005A Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B Description: AKT-4 (9-10)

Wethod: EPA 5035A/EPA 8260B			Des	cription. A	AK 1-4 (9-10)				
					Prepa	ration	А	nalysis	
Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	In
31.trans-1,2-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
32.1,2-Dichloropropane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DA
33. cis-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
34. trans-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
35. Ethylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
36. Ethylene Dibromide	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
37.2-Hexanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
38. Isopropylbenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
39.4-Methyl-2-pentanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	D
40. Methylene Chloride	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	С
41.2-Methylnaphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
42.MTBE	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
43. Naphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
44. n-Propylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
45. Styrene	U	μg/kg	66	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	-
46.1,1,1,2-Tetrachloroethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	I
47.1,1,2,2-Tetrachloroethane	U	μg/kg	66	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
48. Tetrachloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
49. Toluene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
50.1,2,4-Trichlorobenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
51.1,1,1-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
52.1,1,2-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
53. Trichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
54. Trichlorofluoromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	ı
55.1,2,3-Trichloropropane	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
56.1,2,3-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
57.1,2,4-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
58.1,3,5-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
59. Vinyl Chloride	U	μg/kg	47	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
60. m&p-Xylene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	
61.o-Xylene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	[
62. Xylenes	U	μg/kg	150	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	С



**Ground Water** 

Order: 87419 Page: 20 of 24 Date: 10/31/18

AKT Peerless Environ. Svcs, Client Identification:

Inc. - Farm. Hills

Sample Description: AKT-4W

Chain of Custody:

169728

Client Project Name: 13661F-2-20

13661F-2-20

Sample No:

Sample Matrix:

Collect Date: Collect Time: 10/23/18 11:40

Client Project No: Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/	MS			•	uot ID:	87419-006	Matrix: G	round Water		
Method: EPA 5030C/EPA 8260B				Des	cription:	AKT-4W				
Dorometer/o)	Result	Q	Units	Departing Limit	Dilution	Prepa P. Date	ration P. Batch	Ar A. Date	nalysis A. Batch	Init.
Parameter(s)		Q		Reporting Limit						
1. Acetone	U		μg/L	50	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
‡ 2. Acrylonitrile	U		μg/L	2.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
3. Benzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
4. Bromobenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
5. Bromochloromethane	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
6. Bromodichloromethane	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	
7. Bromoform	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
8. Bromomethane	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
9.2-Butanone	U		μg/L	25	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
10. n-Butylbenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
11. sec-Butylbenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
12. tert-Butylbenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
13. Carbon Disulfide	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
14. Carbon Tetrachloride	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
15. Chlorobenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
16. Chloroethane	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
17. Chloroform	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
18. Chloromethane	U	L+	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
19.2-Chlorotoluene	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
21. Dibromochloromethane	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
22. Dibromomethane	U		μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
23.1,2-Dichlorobenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
24.1,3-Dichlorobenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
25.1,4-Dichlorobenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
26. Dichlorodifluoromethane	U	L+	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
27.1,1-Dichloroethane	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
28.1,2-Dichloroethane	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
29.1,1-Dichloroethene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
30. cis-1,2-Dichloroethene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
31.trans-1,2-Dichloroethene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
32.1,2-Dichloropropane	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
33. cis-1,3-Dichloropropene	U		μg/L	0.50	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
34. trans-1,3-Dichloropropene	U		μg/L	0.50	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
35. Ethylbenzene	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
36. Ethylene Dibromide	U		μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MJP
37.2-Hexanone	U		μg/L	50	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	MID

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419 21 of 24 Page: Date: 10/31/18

AKT Peerless Environ. Svcs, Client Identification:

Inc. - Farm. Hills

Sample Description: AKT-4W

Chain of Custody:

169728

Client Project Name: 13661F-2-20

Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20

Sample Matrix:

**Ground Water** Collect Time:

11:40

Sample Comments:

Definitions:

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS	Aliquot ID: 87419-006	Matrix: Ground Water
Method: EPA 5030C/EPA 8260B	Description: AKT-4W	

				2000					
					Prepa	ration	A	Analysis	
Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	In
38. Isopropylbenzene	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
39.4-Methyl-2-pentanone	U	μg/L	50	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
40. Methylene Chloride	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
41.2-Methylnaphthalene	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	М
42.MTBE	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
43. Naphthalene	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	М
44. n-Propylbenzene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
45. Styrene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
46.1,1,1,2-Tetrachloroethane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. M
47.1,1,2,2-Tetrachloroethane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
48. Tetrachloroethene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. N
49. Toluene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
50.1,2,4-Trichlorobenzene	U	μg/L	5.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. M
51.1,1,1-Trichloroethane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
52.1,1,2-Trichloroethane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. M
53. Trichloroethene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	М
54. Trichlorofluoromethane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
55.1,2,3-Trichloropropane	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	М
56.1,2,3-Trimethylbenzene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
57.1,2,4-Trimethylbenzene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
58.1,3,5-Trimethylbenzene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. M
59. Vinyl Chloride	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
60.m&p-Xylene	U	μg/L	2.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	. M
61.o-Xylene	U	μg/L	1.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M
\$ 62.Xylenes	U	μg/L	3.0	1.0	10/29/18	VM18J29A	10/29/18	VM18J29A	M



Order: 87419 Page: 22 of 24 Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

Sample Description: AKT-5 (5-6)

Chain of Custody:

169728

Client Project Name: 13661F

**13661F-2-20** Sample No:

Collect Date:

10/23/18

Client Project No:

13661F-2-20 Sample Matrix:

Collect Time:

12:15

Sample Comments:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qua

Q: Qualifier (see definitions at end of report) NA: Not Applicable #: Parameter not included in NELAC Scope of Analysis.

Soil/Solid

Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: 87419-007 Matrix: Soil/Solid

Method: ASTM D2216-10 Description: AKT-5 (5-6)

Preparation Analysis Parameter(s) Result Q Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init. 1. Percent Moisture (Water Content) 14 % MC181026 DW 1.0 10/26/18 MC181026 10/29/18

Volatile Organic Compounds (VOCs) by GC/MS, 5035 Aliquot ID: 87419-007A Matrix: Soil/Solid

Method: EPA 5035A/EPA 8260B Description: AKT-5 (5-6)

					Preparation		A		
Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	μg/kg	1000	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 2. Acrylonitrile	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
3. Benzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
4. Bromobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
5. Bromochloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
6. Bromodichloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
7. Bromoform	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
8. Bromomethane	U	μg/kg	200	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
9.2-Butanone	U	μg/kg	750	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
10. n-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
11. sec-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
12.tert-Butylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
13. Carbon Disulfide	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
14. Carbon Tetrachloride	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
15. Chlorobenzene	U	μg/kg	64	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
16. Chloroethane	U	μg/kg	320	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
17. Chloroform	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
18. Chloromethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
19.2-Chlorotoluene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
‡ 20.1,2-Dibromo-3-chloropropane (SIM)	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
21. Dibromochloromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
22. Dibromomethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
23.1,2-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
24.1,3-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
25.1,4-Dichlorobenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
26. Dichlorodifluoromethane	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
27.1,1-Dichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
28.1,2-Dichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
29.1,1-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR
30. cis-1,2-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: 87419
Page: 23 of 24
Date: 10/31/18

Client Identification: AKT Peerless Environ. Svcs,

Inc. - Farm. Hills

13661F-2-20

Sample Description: AKT-5 (5-6)

Chain of Custody:

169728

Client Project Name: 1

13661F-2-20

Sample No: Sample Matrix: Collect Date:

10/23/18

Client Project No:

Soil/Solid Collect Time:

lect Time: 12:15

Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by C		•		87419-007A AKT-5 (5-6)	Matrix: S					
				onpuon.	· ,	ration	ation Analysis			
Parameter(s)	Result	Q Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	lnit.	
31. trans-1,2-Dichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
32.1,2-Dichloropropane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
33. cis-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
34. trans-1,3-Dichloropropene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
35. Ethylbenzene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
36. Ethylene Dibromide	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
37.2-Hexanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
38. Isopropylbenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
39.4-Methyl-2-pentanone	U	μg/kg	2500	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
40. Methylene Chloride	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
‡ 41.2-Methylnaphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
42.MTBE	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
43. Naphthalene	U	μg/kg	330	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
44. n-Propylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
45. Styrene	U	μg/kg	64	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
46.1,1,1,2-Tetrachloroethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
47.1,1,2,2-Tetrachloroethane	U	μg/kg	64	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
48. Tetrachloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
49. Toluene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
50.1,2,4-Trichlorobenzene	U	μg/kg	250	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
51.1,1,1-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
52.1,1,2-Trichloroethane	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
53. Trichloroethene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
54. Trichlorofluoromethane	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
55.1,2,3-Trichloropropane	U	μg/kg	130	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
‡ 56.1,2,3-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
57.1,2,4-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
58.1,3,5-Trimethylbenzene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
59. Vinyl Chloride	U	μg/kg	45	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
60. m&p-Xylene	U	μg/kg	100	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
61.o-Xylene	U	μg/kg	50	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	
‡ 62.Xylenes	U	μg/kg	150	1.0	10/25/18	VJ18J25A	10/25/18	VJ18J25A	DAR	



#### Analytical Laboratory Report Laboratory Project Number: 87419

Order: 87419
Page: 24 of 24
Date: 10/31/18

#### **Definitions/ Qualifiers:**

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- **U:** The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- \*: Value reported is outside QC limits

#### **Exception Summary:**

L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.

#### **Analysis Locations:**



Accreditation Number(s):

T104704518-18-7 (TX)

RSN: 87419-181031120005



#### **Analytical Laboratory**

Wale of Shade 10/24/18 4:30 Station

1914 Holloway Drive Holt, MI 48842

Phone: 517 699 0345

Fax: 517 699 0388 email: lab@fibertec.us 8660 S. Mackinaw Trail Cadillac, MI 49601

Phone: 231 775 8368

Fax: 231 775 8584

Industrial Hygiene Services, Inc.

1914 Holloway Drive Holt, MI 48842

Phone: 517 699 0345 Fax: 517 699 0382

email: asbestos@fibertecihs.com

Geoprobe

11766 E. Grand River Rd. Brighton, MI 48116 Phone: 810 220 3300

Fax: 810 220 3311

Chain of Custody #

169728 PAGE \_\_\_ of \_\_\_

Client Name: AKT Presses							PARAM	ARAMETERS				Matrix Code				Deliverables
Contact Person: Scott Wasiclewski, Megan Marguin					200						s	Soil	GW Gr	round Water		Level 2
Project Name/ Number:  13661F - 2-20  Email distribution list:  Megan: Margain me alerpeer less-com  Quote#					Mito					H 10	Н	-l -		rface Water aste Water		Level 3 Level 4
		NERS			Ten					HOLD SAMPLE	P	Wipe	x Ot	ther: Specify		EDD
		# OF CONTAINERS	1	1	Michigan	13				T						
Purchase Order#		OF CC	VCCS	PNAS	hich	PCE		1								
Date Time Sample # Client Sample Descriptor	MATRIX (	#	>	β	V	_				4	Re	emarks:				
10/25/18 9:50 AKT-1 (2-4)	5	2	X	×	Χ	X			$\perp$	_						
10/28/18 10:10 A14-2 (2-4)	5	2	X	K,	X	X										
10/23/14 11:00 AKT-3 (2-4)	5	2	X	X	Χ	×										
10/23/18 11:05 AXT-3 (4-6)	5	2	x	χ	χ	X										
10/23/15 11:45 AXT-4 (9-10)	5	2	X										137	ID BY	LAPI	
10/23/18 11:40 AKT-4W	GW	3	X										0	CT 24 2	018	
10/23/18 12:15 AKT-5 (5-4)	5	2	X											_		
WATER TO THE TOTAL PROPERTY OF THE PROPERTY OF												The state of the s	nit	al: DC	7	
										ĺ				7		
Comments:							, , , , , ,									
Sampled/Relinquished By:		/ Tim					Rece	eived By	1	2	1	1 10		tibes	Tec	
Relinquished By:		<b>4</b> / Tim	10 10 10 Time			Rece	Received By:				nere		110~	* "		
Neutre Chese			cate/ Time Received by Laboratory:									3:00				
<u>Turnaround Time</u> ALL RESULTS WILL BE SENT BY THE END OF	THE BL	SINE	SS D	ΔY									LAB	JSE ONLY		
1 bus. day2 bus. days3 bus. days				days				- 1	Fibertec project number: 87 419 RCV'D ON						V'D ON	
Other (specify time/date requirement):				Temperature upon receipt at Lab: 🔾							4.8°C		ICE			
Please	sec	bo	ack	for	ter	ms	and co	nditio	ons							



# **Development of Public Parking**



Planning for Future Public Parking Needs

SUMMER, 2013 Parking demand exceeded capacity.

SUMMER, 2014 City Commission authorizes Parking Study

# AD HOC PARKING STUDY COMMITTEE

### **MEMBERS:**

RICHARD ASTREIN – PRINCIPAL SHOPPING DISTRICT
JC CATALDO – CORRIDOR IMPROVEMENT AUTHORITY
GILIAN LAZAR – PLANNING BOARD
SUSAN PEABODY – ADVISORY PARKING COMMITTEE
JOHANNA SLANGA – MULTI-MODAL TRANSPORTATION BOARD

# **STAFF LIASIONS**:

JANA ECKER, PLANNING DIRECTOR PAUL O'MEARA, CITY ENGINEER

# **MISSION:**

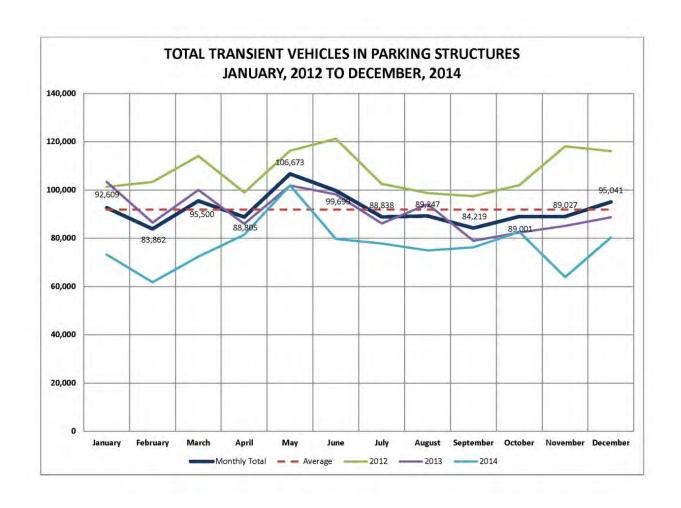
STUDY THE CURRENT AND FUTURE PARKING ENVIRONMENTS FOR THE CENTRAL BUSINESS DISTRICT AND THE TRIANGLE DISTRICT, AND MAKE RECOMMENDATIONS FOR FUTURE PARKING IMPROVEMENTS, IF NEEDED.

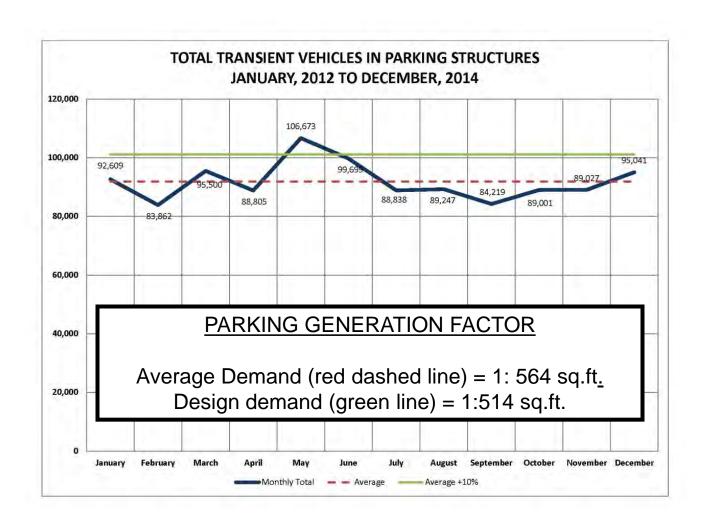
# **METHOD:**

- 1.A. GATHER DATA
  - **B.** DETERMINE PARKING GENERATION FACTOR
  - C. CALCULATE SHORT AND LONG TERM NEEDS
- 2. REVIEW OPPORTUNITIES FOR PARKING EXPANSION AND PRIORITIZE

### CENTRAL BUSINESS DISTRICT

- Counts taken in late May, early June.
- Park St. Parking Structure under construction closed up to 200 parking spaces – results were skewed.
- New counts taken in late October, early November to observe more "normal" operation.
- Counts focused on peak hours of the week T, W, Th between noon and 2 PM.
- Based on usage data, seasonal adjustment not needed.

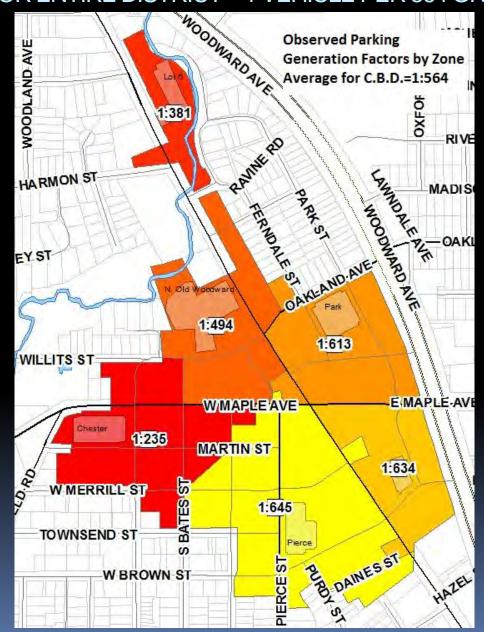




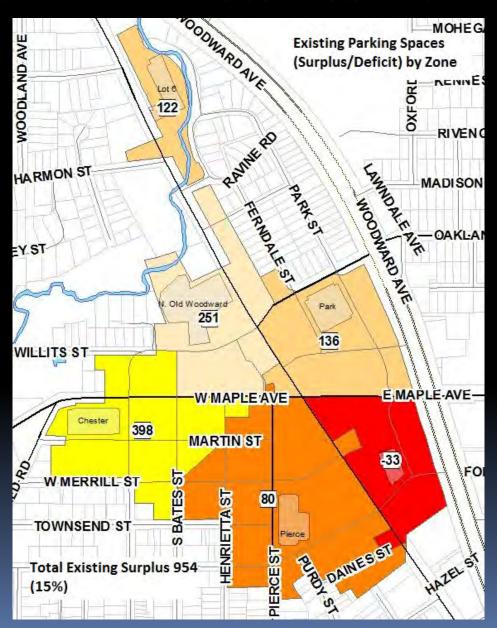
# SHORT TERM & LONG TERM DEVELOPMENT PROJECTIONS



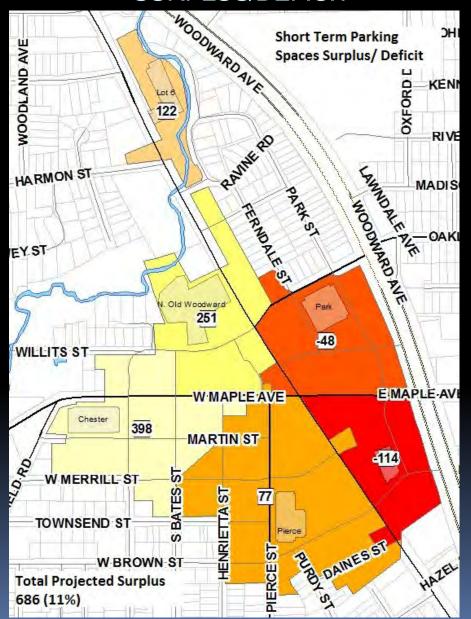
# OBSERVED PARKING GENERATION FACTORS BY ZONE AVERAGE FOR ENTIRE DISTRICT = 1 VEHICLE PER 564 GROSS SQ.FT.



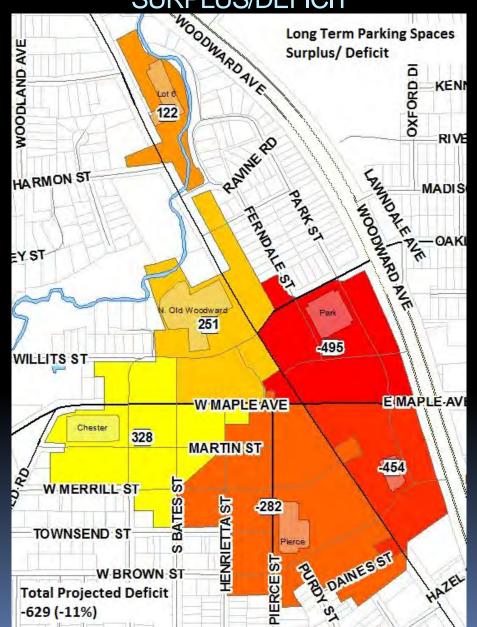
#### EXISTING PARKING SPACES SURPLUS/DEFICIT BY ZONE



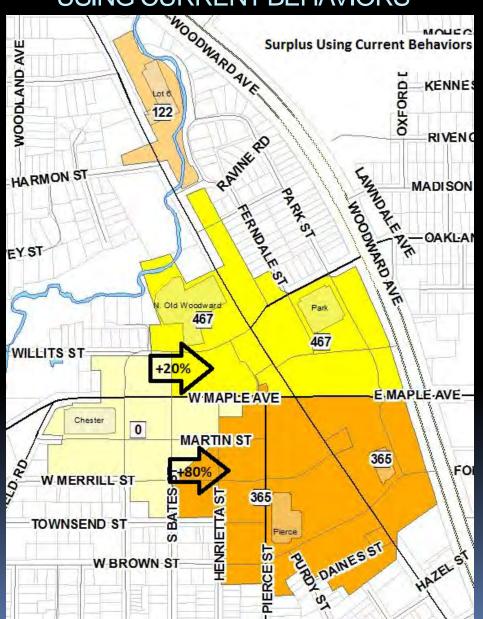
# FUTURE PARKING SPACES (SHORT TERM) SURPLUS/DEFICIT



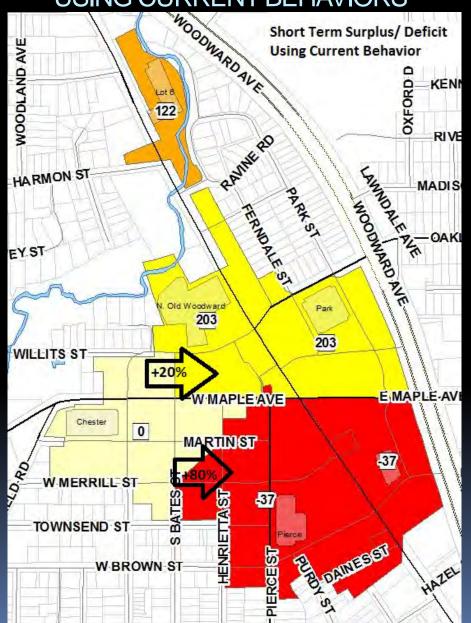
# FUTURE PARKING SPACES (LONG TERM) SURPLUS/DEFICIT



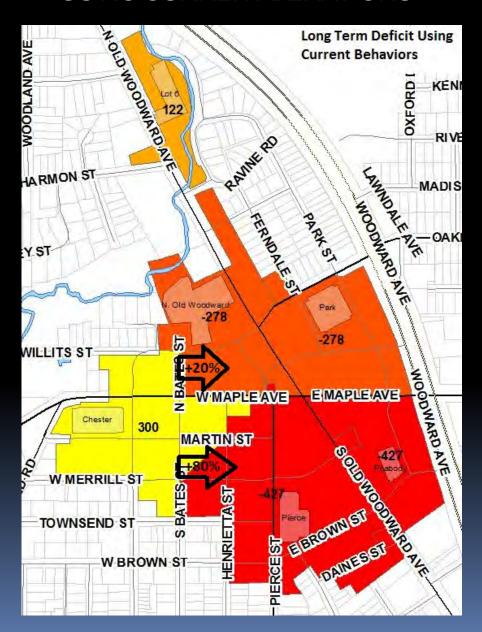
# EXISTING PARKING SPACE SURPLUS USING CURRENT BEHAVIORS



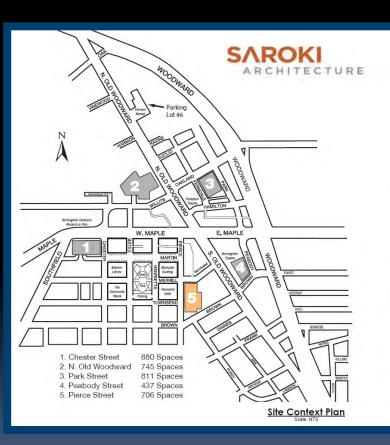
# FUTURE PARKING SPACES SURPLUS/DEFICIT (SHORT TERM) USING CURRENT BEHAVIORS



# FUTURE PARKING SPACES SURPLUS/DEFICIT (LONG TERM) USING CURRENT BEHAVIORS



### Option: Expand Pierce Street Structure













DPZ 2014





#### View at Pierce and Brown

### **Existing View**









#### View from Townsend Street

### **Existing View**









### View at Pierce and Merrill

### **Existing View**







# View from Merrill Street

#### **Existing View**







# View from Brown Street

#### **Existing View**



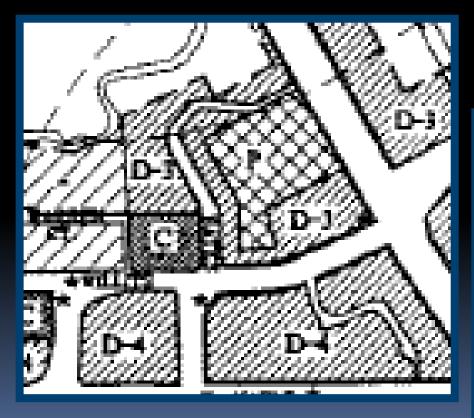




## Aerial View







#### SPECIFIC PROJECT 6: THE WILLITS BLOCK

Finding: The superblock behind the North Woodward Garage has development potential.

Discussion: Behind the North Woodward Garage is a large site overlooking the Rouge River Park that is now used as a surface parking lot. It has the potential for expanding the existing parking deck by a contiguous addition (avoiding the need for additional ramps). But it is too beautiful a site, facing the park as it does, to reserve entirely for parking.

The site could be edged with apartments or townhouses facing the park, facing the Baptist Church, and facing Willits Street, masking the parking deck in the process. This housing could be built before the parking expansion, because the Woodward Garage is under-utilized.

The street formed by the new housing would be an extension of Bates Street and would continue on to Old Woodward by occupying the deck's north-side service road. The sale of these edge parcels for housing would create a one-time fund for the City (perhaps to be used for the Shain Park and Martin Street Specific Projects.)

Recommendation: Sell the edges of the Willits site, perhaps no deeper than 30 feet, to a housing developer, and retain the rest for the parking deck expansion. When sold for development, this special project has the potential of

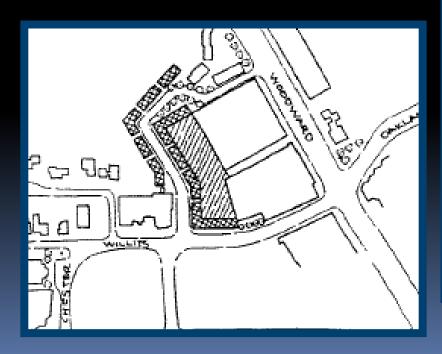




### Option: Parking Lot #5

#### N. Old Woodward Ave. Structure

New Parking Structure
New Mixed Use Building
New Residential Units





# AD HOC PARKING STUDY RECOMMENDATIONS CENTRAL BUSINESS DISTRICT

TO ACCEPT THE REPORT OF THE AD HOC PARKING STUDY COMMITTEE ESTIMATING THAT A LONG TERM DEFICIT OF 278 PARKING SPACES IS EXPECTED IN THE LONG TERM FOR THE NORTH PORTION OF THE CENTRAL BUSINESS DISTRICT. FURTHER, TO DIRECT STAFF TO CONDUCT FURTHER PLANNING STUDIES FOR THE N. OLD WOODWARD AVENUE PARKING STRUCTURE AND LOT THAT WILL MAXIMIZE THE CREATION OF PARKING SPACES WHILE ADHERING TO THE ORIGINAL CONCEPTS PRESENTED IN THE DOWNTOWN BIRMINGHAM 2016 PLAN.

AND, AS A SECONDARY PRIORITY, TO ACCEPT THE REPORT OF THE AD HOC PARKING STUDY COMMITTEE ESTIMATING THAT A LONG TERM DEFICIT OF 427 PARKING SPACES IS EXPECTED IN THE LONG TERM FOR THE SOUTH PORTION OF THE CENTRAL BUSINESS DISTRICT. FURTHER, TO ENDORSE THE EXPANSION OF THE PIERCE STREET PARKING STRUCTURE BY TWO LEVELS, THEREBY CREATING AN ADDITIONAL 280 PUBLIC PARKING SPACES IN THE PARKING SYSTEM.

**MOTION PASSED 4-0.** 

#### **ATTACHMENT J**

#### **COVER SHEET**

In submitting this proposal, as herein described, the Consultant agrees that:

- 1. They have carefully examined the specifications and terms of the Request for Proposal and all other provisions of this form and understand the meaning, intent, and requirement of it.
- 2. They will enter into written contract and furnish the item or items in the time specified in conformance with the specifications and conditions contained therein for the price quoted by the proponent on this proposal.

BID PREPARED BY (Print Name)	DATE SUBMITTED
AUTHORIZED SIGNATURE	DATE
TITLE	
COMPANY	
ADDRESS	PHONE
NAME OF PARENT COMPANY	
ADDRESS	PHONE

#### ATTACHMENT K - BIDDER'S AGREEMENT

In submitting this proposal, as herein described, the Contractor agrees that:

- 1. They have carefully examined the specifications, terms and Agreement of the Request for Proposal and all other provisions of this document and understand the meaning, intent, and requirement of it.
- 2. They will enter into a written contract and furnish the item or items in the time specified in conformance with the specifications and conditions contained therein for the price quoted by the proponent on this proposal.

PREPARED BY	DATE
(Print Name)	22
(i init ivalie)	
TITLE	DATE
AUTHORIZED SIGNATURE	E-MAIL ADDRESS
AOTHORIZED STONATORE	L-MAIL ADDICESS
COMPANY	
ADDRESS	PHONE
ADDRESS	PHONE
NAME OF PARENT COMPANY	PHONE
ADDRESS	
ADDRE22	

#### ATTACHMENT L - COST PROPOSAL

In order for the bid to be considered valid, this form must be completed in its entirety. The cost for the Scope of Work as stated in the Request for Proposal documents shall be itemized as follows:

<ol> <li>Project Elements</li> <li>Review of existing conditions, planning documents and prior studies</li> <li>Identification of Infill Best Practices</li> <li>Prepare &amp; implement Detailed Community Engagement Plan</li> <li>Attendance at Meetings</li> <li>Preparation of Strategic Vision Plan</li> </ol>	\$ \$ \$ \$ \$	
TOTAL AMOUNT	\$	
Additional Meeting Charge	\$	per meeting
Additional Services Recommended (if	\$	/ hour
any):	\$	/ hour
	\$	/ hour

Firm Name	
Authorized signature	Date

# ATTACHMENT M - IRAN SANCTIONS ACT VENDOR CERTIFICATION FORM

Pursuant to Michigan Law and the Iran Economic Sanction Act, 2012 PA 517 ("Act"), prior to the City accepting any bid or proposal, or entering into any contract for goods or services with any prospective Vendor, the Vendor must certify that it is not an "Iran Linked Business", as defined by the Act.

By completing this form, the Vendor certifies that it is not an "Iran Linked Business", as defined by the Act and is in full compliance with all provisions of the Act and is legally eligible to submit a bid for consideration by the City.

PREPARED BY	DATE
(Print Name)	
<b>(</b>	
TITLE	DATE
TITLE	DAIL
AUTHORIZED SIGNATURE	E-MAIL ADDRESS
COMPANY	
ADDRESS	PHONE
ADDICESS	THOME
NAME OF PARENT COMPANY	PHONE
ADDRESS	
TAXPAYER I.D.#	

## ATTACHMENT N - AGREEMENT FOR STRATEGIC VISION PLAN

This AGREEMENT, made thisday of, 2020, by a between CITY OF BIRMINGHAM, having its principal municipal office at 151 Mar Street, Birmingham, MI (hereinafter sometimes called "City"), and Inc., having its principal office at (hereinafter cal "Contractor"), provides as follows:  WITNESSETH:	rtin 
<b>WHEREAS</b> , the City has heretofore advertised for bids for the procurement and performance of services required to prepare a strategic vision plan, as in connection therewith has prepared a request for sealed proposals ("RFP"), which includes certain instructions to bidders, specifications, terms and conditions.	and
WHEREAS, the Contractor has professional qualifications that meet the proj requirements and has made a bid in accordance with such request for cost propos to prepare a strategic vision plan for public property at Willits and N. Old Woodward.	
<ul> <li>NOW, THEREFORE, for and in consideration of the respective agreements a undertakings herein contained, the parties agree as follows:</li> <li>1. It is mutually agreed by and between the parties that the documents consisting the Request for Proposal to complete a strategic vision plan and the Contractor cost proposal dated, 2020 shall be incorporated herein reference and shall become a part of this Agreement, and shall be binding up both parties hereto. If any of the documents are in conflict with one another this Agreement shall take precedence, then the RFP.</li> </ul>	of or's by oon
2. The City shall pay the Contractor for the performance of this Agreement in amount not to exceed, as set forth in the Contract, 2020 cost proposal.	
3. This Agreement shall commence upon execution by both parties, unless the C exercises its option to terminate the Agreement in accordance with the Request Proposals.	
4. The Contractor shall employ personnel of good moral character and fitness performing all services under this Agreement.	in
5. The Contractor and the City agree that the Contractor is acting as an independent contractor with respect to the Contractor's role in providing services to the Contractor's role in providing services to the Contractor	

pursuant to this Agreement, and as such, shall be liable for its own actions and neither the Contractor nor its employees shall be construed as employees of the

- City. Nothing contained in this Agreement shall be construed to imply a joint venture or partnership and neither party, by virtue of this Agreement, shall have any right, power or authority to act or create any obligation, express or implied, on behalf of the other party, except as specifically outlined herein. Neither the City nor the Contractor shall be considered or construed to be the agent of the other, nor shall either have the right to bind the other in any manner whatsoever, except as specifically provided in this Agreement, and this Agreement shall not be construed as a contract of agency. The Contractor shall not be entitled or eligible to participate in any benefits or privileges given or extended by the City, or be deemed an employee of the City for purposes of federal or state withholding taxes, FICA taxes, unemployment, workers' compensation or any other employer contributions on behalf of the City.
- 6. The Contractor acknowledges that in performing services pursuant to this Agreement, certain confidential and/or proprietary information (including, but not limited to, internal organization, methodology, personnel and financial information, etc.) may become involved. The Contractor recognizes that unauthorized exposure of such confidential or proprietary information could irreparably damage the City. Therefore, the Contractor agrees to use reasonable care to safeguard the confidential and proprietary information and to prevent the unauthorized use or disclosure thereof. The Contractor shall inform its employees of the confidential or proprietary nature of such information and shall limit access thereto to employees rendering services pursuant to this Agreement. The Contractor further agrees to use such confidential or proprietary information only for the purpose of performing services pursuant to this Agreement. The Contractor agrees that it will require all subcontractors to sign a Non-Disclosure Agreement satisfactory to the City Attorney.
- 7. This Agreement shall be governed by and performed, interpreted and enforced in accordance with the laws of the State of Michigan. The Contractor agrees to perform all services provided for in this Agreement in accordance with and in full compliance with all local, state and federal laws and regulations.
- 8. If any provision of this Agreement is declared invalid, illegal or unenforceable, such provision shall be severed from this Agreement and all other provisions shall remain in full force and effect.
- 9. This Agreement shall be binding upon the successors and assigns of the parties hereto, but no such assignment shall be made by the Contractor without the prior written consent of the City. Any attempt at assignment without prior written consent shall be void and of no effect.
- 10. The Contractor agrees that neither it nor its subcontractors will discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment, or a matter directly or indirectly related to

employment because of race, color, religion, national origin, age, sex, height, weight or marital status. The Contractor shall inform the City of all claims or suits asserted against it by the Contractor's employees who work pursuant to this Agreement. The Contractor shall provide the City with periodic status reports concerning all such claims or suits, at intervals established by the City.

- 11. The Contractor shall not commence work under this Agreement until it has, at its sole expense, obtained the insurance required under this paragraph. All coverages shall be with insurance companies licensed and admitted to do business in the State of Michigan. All coverages shall be with carriers acceptable to the City of Birmingham.
- 12. The Contractor shall maintain during the life of this Agreement the types of insurance coverage and minimum limits as set forth below:
  - A. <u>Workers' Compensation Insurance</u>: Contractor shall procure and maintain during the life of this Agreement, Workers' Compensation Insurance, including Employers Liability Coverage, in accordance with all applicable statutes of the State of Michigan.
  - B. <u>Commercial General Liability Insurance</u>: Contractor shall procure and maintain during the life of this Agreement, Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence combined single limit, Personal Injury, Bodily Injury and Property Damage. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent; (E) Deletion of all Explosion, Collapse and Underground (XCU) Exclusions, if applicable.
  - C. <u>Motor Vehicle Liability</u>: Contractor shall procure and maintain during the life of this Agreement Motor Vehicle Liability Insurance, including all applicable no-fault coverages, with limits of liability of not less than \$1,000,000 per occurrence combined single limit Bodily Injury and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.
  - D. <u>Additional Insured</u>: Commercial General Liability and Motor Vehicle Liability Insurance, as described above, shall include an endorsement stating the following shall be *Additional Insureds*: The City of Birmingham, including all elected and appointed officials, all employee and volunteers, all boards, commissions and/or authorities and board members, including employees and volunteers thereof. This coverage shall be primary to any other coverage that may be available to the additional insured, whether any other available coverage by primary, contributing or excess.

- E. <u>Cancellation Notice</u>: Workers' Compensation Insurance, Commercial General Liability Insurance and Motor Vehicle Liability Insurance (and Professional Liability Insurance, if applicable), as described above, shall include an endorsement stating the following: "Thirty (30) days Advance Written Notice of Cancellation or Non-Renewal, shall be sent to: Finance Director, City of Birmingham, PO Box 3001, 151 Martin Street, Birmingham, MI 48012-3001.
- F. <u>Proof of Insurance Coverage</u>: Contractor shall provide the City of Birmingham, at the time the Agreement is returned for execution, Certificates of Insurance and/or policies, acceptable to the City of Birmingham, as listed below.
  - 1) Two (2) copies of Certificate of Insurance for Workers' Compensation Insurance;
  - 2) Two (2) copies of Certificate of Insurance for Commercial General Liability Insurance;
  - 3) Two (2) copies of Certificate of Insurance for Vehicle Liability Insurance;
  - 4) Two (2) copies of Certificate of Insurance for Professional Liability Insurance;
  - 5) If so requested, Certified Copies of all policies mentioned above will be furnished.
- G. <u>Coverage Expiration</u>: If any of the above coverages expire during the term of this Agreement, Contractor shall deliver renewal certificates and/or policies to the City of Birmingham at least (10) days prior to the expiration date.
- H. <u>Maintaining Insurance</u>: Upon failure of the Contractor to obtain or maintain such insurance coverage for the term of the Agreement, the City of Birmingham may, at its option, purchase such coverage and subtract the cost of obtaining such coverage from the Agreement amount. In obtaining such coverage, the City of Birmingham shall have no obligation to procure the most cost-effective coverage but may contract with any insurer for such coverage.
- 13. To the fullest extent permitted by law, the Contractor and any entity or person for whom the Contractor is legally liable, agrees to be responsible for any liability, defend, pay on behalf of, indemnify, and hold harmless the City of Birmingham, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Birmingham against any and all claims, demands, suits, or loss, including all costs and reasonable attorney fees connected therewith, and for any damages which may be asserted, claimed or recovered against or from and the City of Birmingham, its elected and appointed officials, employees, volunteers or others working on behalf of the City of Birmingham, by reason of personal injury, including bodily injury and death and/or property damage, including loss of use thereof, which arises out of or is in any way connected or associated with this Agreement. Such responsibility shall

not be construed as liability for damage caused by or resulting from the sole act or omission of its elected or appointed officials, employees, volunteers or others working on behalf of the City of Birmingham.

- 14. If, after the effective date of this Agreement, any official of the City, or spouse, child, parent or in-law of such official or employee shall become directly or indirectly interested in this Agreement or the affairs of the Contractor, the City shall have the right to terminate this Agreement without further liability to the Contractor if the disqualification has not been removed within thirty (30) days after the City has given the Contractor notice of the disqualifying interest. Ownership of less than one percent (1%) of the stock or other equity interest in a corporation or partnership shall not be a disqualifying interest. Employment shall be a disqualifying interest.
- 15. If Contractor fails to perform its obligations hereunder, the City may take any and all remedial actions provided by the general specifications or otherwise permitted by law.
- 16. All notices required to be sent pursuant to this Agreement shall be mailed to the following addresses:

City of Birmingham Attn: Jana L. Ecker 151 Martin Street Birmingham, MI 48009 248-530-1841 CONTRACTOR

- 17. Any controversy or claim arising out of or relating to this Agreement, or the breach thereof, shall be settled either by commencement of a suit in Oakland County Circuit Court, the 48th District Court or by arbitration. If both parties elect to have the dispute resolved by arbitration, it shall be settled pursuant to Chapter 50 of the Revised Judicature Act for the State of Michigan and administered by the American Arbitration Association with one arbitrator being used, or three arbitrators in the event any party's claim exceeds \$1,000,000. Each party shall bear its own costs and expenses and an equal share of the arbitrator's and administrative fees of arbitration. Such arbitration shall qualify as statutory arbitration pursuant to MCL§600.5001 et. seq., and the Oakland County Circuit Court or any court having jurisdiction shall render judgment upon the award of the arbitrator made pursuant to this Agreement. The laws of the State of Michigan shall govern this Agreement, and the arbitration shall take place in Oakland County, Michigan. In the event that the parties elect not to have the matter in dispute arbitrated, any dispute between the parties may be resolved by the filing of a suit in the Oakland County Circuit Court or the 48th District Court.
- 18. <u>FAIR PROCUREMENT OPPORTUNITY:</u> Procurement for the City of Birmingham will be handled in a manner providing fair opportunity for all businesses. This

will be accomplished without abrogation or sacrifice of quality and as determined to be in the best interest of the City of Birmingham.

IN WITNESS WHEREOF, the said parties have caused this Agreement to be executed as of the date and year above written.

WIINESSES:	CONTRACTOR
	Ву:
	Its:
	CITY OF BIRMINGHAM
	By: Pierre Boutros Its: Mayor
	By:
	Alexandria Bingham Its: Acting City Clerk
Approved:	
Jana L. Ecker, Planning Director (Approved as to substance)	Joseph A. Valentine City Manager (Approved as to substance)
Timothy J. Currier, City Attorney (Approved as to form)	
Mark Gerber, Director of Finance (Approved as to financial obligation)	

# EXCERPT FROM BIRMINGHAM CITY COMMISSION MINUTES MARCH 10, 2014 MUNICIPAL BUILDING, 151 MARTIN 7:30 P.M

#### 03-58-14 FORMATION OF AN AD HOC PARKING STUDY COMMITTEE

City Engineer O'Meara explained that the proposed ad hoc committee would study the possible expansion of the Pierce Street Parking Structure and the future parking needs for the Central Business District and Triangle District. He noted that the committee would consist of five members of existing City boards.

Ms. Ecker confirmed for the Commission that the Planning Board action list includes parking requirements. The Commission discussed the monthly permits at the parking structures. Commissioner Rinschler suggested the Committee focus on the Central Business District.

City Engineer O'Meara confirmed for Commission Hoff that staff representatives will be attending the Ad Hoc Committee meetings.

Commissioner Nickita encouraged the members of the Ad Hoc Committee to consider "out of the box" alternatives such as enhancing street parking or a shuttle service.

#### **MOTION:** Motion by Hoff, seconded by McDaniel:

To accept the recommendation of the Advisory Parking Committee, authorizing the formation of an Ad Hoc Parking Study Committee that will be formed for a limited time to update the parking demand study done in 2000 for the Parking Assessment District, as well as the 2007 parking study completed as a part of the Triangle District Master Plan. The goal of the Committee will be to determine the long term demand levels for parking throughout the Central Business District and Triangle District, and to provide recommendations of how to best use the Auto Parking System's properties at this time, as well as to establish targeted needs for the Triangle District. The Ad Hoc Parking Study Committee shall include the following members, with each of the suggested boards nominating their representative accordingly:

- Advisory Parking Committee
- Corridor Improvement Authority
- Multi-Modal Transportation Board
- Planning Board
- Principal Shopping District

The Ad Hoc Parking Study Committee shall be formed as soon as practical, with the goal of finalizing a report of findings and recommendations by July, 2014.

VOTE: Yeas, 6 Nays, None Absent, 1 (Moore)

# BIRMINGHAM CITY COMMISSION MINUTES MARCH 16, 2015 MUNICIPAL BUILDING, 151 MARTIN 7:30 P.M.

#### 03-47-15 AD HOC PARKING STUDY COMMITTEE FINAL REPORT AND RECOMMENDATIONS

City Engineer O'Meara explained that in 2013 the City noticed that parking demand was exceeding capacity in all five of the structures. The Ad Hoc Parking Study Committee was formed to study the current and future parking environments for the Central Business District and the Triangle District and to make recommendations for future parking improvements if needed. He discussed the seasonal parking trends of the parking structures and the short and long term parking development projections. The Commission commended the Committee on its work.

Commissioner Nickita stated that one of the issues is to recognize the existing conditions and align them with the overall master plan goals.

Mayor Sherman noted that the recommendation is to create a second committee to develop an implementation strategy.

Mayor Pro Tem Hoff noted that the motion does not mention the Pierce Street area. Mr. O'Meara explained that staff felt that, in order to move forward, the North Old Woodward property has the most opportunity for further discussion. The Pierce Street Structure only involves whether or not two floors are added. He explained that the first resolution includes a review of the entire Central Business District which would include the Pierce Street Structure.

Mr. Valentine confirmed for Commissioner Nickita that a formal resolution will be brought to the Commission with the specific criteria establishing the steering committee and their specific charge.

Mayor Sherman suggested the committee be comprised of only two Commissioners and one resident who is not involved in any other board with a background in finance and an interest in the downtown.

#### **MOTION: Motion by Rinschler, seconded by Nickita:**

To accept the findings of the Ad Hoc Parking Study Committee estimating that a deficit of 278 parking spaces is expected in the long term for the north portion of the Central Business District, and a deficit of 427 parking spaces is expected in the long term for the south portion of the Central Business District, and directing staff to have a full topographic and boundary survey of the existing conditions of the N. Old Woodward Ave. property prepared to assist with all future plan preparation, and

further, to direct staff to provide for the creation of an ad hoc steering committee to:

- 1. Consider the parking system's overall parking demands and prioritize the projects to finalize the Parking System's expansion plan for the Central Business District.
- 2. Determine the parameters of an expansion at the N. Old Woodward Ave. Parking Structure site that will provide an appropriate number of parking spaces, an extension of Bates St., provide additional development opportunities and provide interaction with the adjacent City park land to the north in accordance with the Downtown Birmingham 2016 report and the Rouge River Trail Corridor Master Plans.

VOTE: Yeas, 6 Nays, None Absent, 1 (Dilgard)

**MOTION:** Motion by Nickita, seconded by McDaniel:

To accept the findings of the Ad Hoc Parking Study Committee that a parking facility of approximately 400 parking spaces in the long term is recommended to serve the north portion of the Triangle District, and a parking facility of approximately 600 to 700 parking spaces in the long term is recommended to serve the south portion of the Triangle District, and directing staff to pursue opportunities in the district for consideration, and further endorsing the recommendation that the parking assessment district for the Triangle District, once created, be extended north of Maple Rd. to include all commercial properties from Woodward Ave. to Adams Rd.

VOTE: Yeas, 6
Nays, None
Absent, 1 (Dilgard)

### BIRMINGHAM CITY COMMISSION MINUTES AUGUST 10, 2015

#### 08-179-15 DOWNTOWN PARKING SYSTEM EXPANSION PROJECTS PARKING DEVELOPMENT CONSULTANT SERVICES RFP

Mayor Pro Tem Hoff stated that this is an important issue that will affect many people and requested the City Engineer to provide an update.

City Engineer O'Meara explained that the Request for Proposal has been written and the City will be looking for architects to team up with an urban design professional and a parking consultant to meet with the Parking Development Committee three times and the City Commission to create massing studies with four options to explore regarding two parking sites, North Old Woodward and Pierce, which could be expanded upon or potentially demolished and completely replaced. He noted that these would be conceptual plans.

Commissioner Nickita explained this involves urban design issues, architectural issues, costs, incorporating a developer of some sort, and land control. This RFP is to get as much of the envelope of the issues clear in order to make a solid decision to move forward.

#### **MOTION:** Motion by Hoff, seconded by Nickita:

To endorse the Request for Proposals (RFP) for the Downtown Parking System Expansion Projects Parking Development Consultant Services to work with the Ad Hoc Parking Development Committee (AHPDC), and directing City staff to solicit proposals at this time.

VOTE: Yeas, 6
Nays, None
Absent, 1 (McDaniel)

### BIRMINGHAM CITY COMMISSION MINUTES OCTOBER 26, 2015

#### 10-249-15 DOWNTOWN PARKING SYSTEM EXPANSION PROJECTS PARKING DEVELOPMENT CONSULTANT SERVICES

City Engineer O'Meara explained that the Ad Hoc Parking Development Committee has recommended that a consultant team be hired consisting of an architect, an urban design professional, and a parking consultant to work with the Committee in regards to the Pierce Street and North Old Woodward parking structure sites in visioning, studies, and cost estimating. He noted that an RFP was issued and three firms submitted proposals. The Albert Kahn team and Victor Saroki team were interviewed.

Commissioner McDaniel commented that the Committee worked hard to come to a conclusion. Based on his experience on the Shain Park Ad Hoc Committee, the Albert Kahn group was hired to do the design work and it did not go well. He stated that Albert Kahn was the higher of the two bidders by \$12,000, given how close the point scores were, the past experience with Albert Kahn, and Saroki's knowledge of the community, he suggested that Saroki is the way to go.

Commissioner Rinschler expressed support of Commissioner McDaniel's comments. He commented that with a large firm, a small project becomes cumbersome. The parking issue is a big issue for Birmingham, but it is a relatively small project from an architectural view. He noted that Albert Kahn is a great firm to hire if there is a fairly large undertaking.

Mayor Pro Tem Hoff stated that she is a member of the Committee. The Committee worked hard and reviewed the proposals, samples and presentations. It was a difficult decision. She commented that when a Committee makes a decision and has a hard time doing it, it is not a good practice for the Commission to not listen.

Commissioner Dilgard commented that he was also on the Shain Park Committee. He gave an example on the Shain Park lighting plan and noted the lighting had to be retrofit with something that fit the community. He noted that the City would be well served with the Saroki firm.

Commissioner Nickita explained the process of the Committee and noted that it spent a lot of time on this decision.

MOTION: Motion by Hoff, seconded by Nickita:

To approve the agreement with Albert Kahn Associates, Inc., for the Downtown Parking System Expansion Projects Parking Development Consultant Services in the amount not to exceed \$67,860, charged to account number 585-538.001- 981.0100, Parking System General Capital Improvements Account. Further, to approve the appropriation and budget amendment as follows:

#### **Auto Parking System Fund**

#### **Revenues:**

Draw from Fund Balance #585-000.000-400.0000	\$67,860
Total Revenue Adjustments	\$67,860
Expenditures:	
Major Chroat Bublic Improvements #ESE ESS 001 001 0100	¢67.960

Major Street Public Improvements #585-538.001-981.0100 \$67,860

Total Expenditure Adjustments \$67,860

Mayor Sherman noted that he will not support the motion. He stated that the City would be remiss if it did not use the experiences of the Commissioners. With the points being so close, experience comes into play and should be relied on.

Commissioner Moore noted that he will not support the motion. He stated that he would like to take advantage of utilizing an applicant with a tremendous amount of institutional history, understanding of Birmingham, its architecture, issues, history and has been a part of it such as the Saroki firm. With the points so close, he would like to utilize the kind of expertise and cultural understanding that Saroki would bring to this project.

Commissioner Nickita stated that he will support the motion. The Committee worked hard on this. The decision was so close either team could do a credible job.

Mayor Pro Tem Hoff agreed that either contractor could do a good job. She expressed support of the Committee's decision.

VOTE: Yeas, 2 (Hoff, Nickita)
Nays, 5 (Dilgard, McDaniel, Moore, Rinschler, Sherman)
Absent, None

MOTION: Motion by McDaniel, seconded by Rinschler:

To approve the contract subject to an agreement being reached with Victor Saroki and Associates for the Downtown Parking System Expansion Projects Parking Development Consultant Services in an amount not to exceed \$55,000 and to approve the appropriation and budget amendment.

VOTE: Yeas, 6 Nays, 1 (Hoff) Absent, None

# EXCERPT BIRMINGHAM CITY COMMISSION MINUTES MARCH 13, 2017 MUNICIPAL BUILDING, 151 MARTIN

# 03-63-17 REQUEST FOR QUALIFICATIONS FOR N. OLD WOODWARD/BATES STREET PARKING & SITE DEVELOPMENT

7:30 P.M.

City Planner Ecker has been looking at the parking situation in downtown Birmingham for ways to address it. She described the process to date, changes in parking demands and determining future needs. The City Commission established an Ad Hoc Parking Development Committee in 2015, and they were charged with developing an implementation strategy for addressing future parking demands, looking at costs, capacity, needs, impacts, master planning concepts, timelines, etc. The committee has been meeting for the past two years and studying exactly what the parking situation is downtown. A previous committee talked about the Pierce street structure versus the North Old Woodard structure as well. The committee recommended that we move forward with the North Old Woodward deck improvements first. The Ad Hoc Parking Development Committee also agrees, and the committee has spent the last two years studying what the parking demands are, and how many spaces we need to add. When looking at the way office space is changing, everybody is spread out in an open format which creates space for more people. It seems like the new form of office space is creating more demand. The committee determined what would be needed in terms of adding more parking to that north end of the district. They determined a number and started looking as to how they could redevelop the North Old Woodward structure by, either tearing it down, expanding it, adding on levels, etc. The committee considered what can be done to add more parking to that area while keeping in mind the Downtown Birmingham 2016 Plan that calls for Bates Street to be extended from Willits to North Old Woodward. We have a Parks plan that shows a trail connection across the river to Booth Park. The committee recommended in January that the Commission consider issuing a Request for Qualifications. This would make it a two stage process. First, we would issue a RFQ. We would pick those that we think are qualified and they would move to the second stage, which would be a Request for Proposals. Only those qualified would be invited to submit a proposal under the RFP. The Ad Hoc Parking Development Committee also asked that we send this RFO out to a real estate consulting firm. Ms. Ecker explained that there is a letter from Jones Lang LaSalle (JLL). JLL reviewed it and thought it was well done, and suggested that we move forward quickly with this, given the cyclical economy. They also indicated they have a potential list of developers available to the City, if needed.

Mayor Nickita explained that we are simply asking for developers to submit something to get a sense of whether or not they fall in line with something that would be applicable. He said there are a number of iterations to go yet.

Commissioner Boutros asked about time frames for responses. Planning Director Ecker said the deadline for the first phase is April 14, 2017. Deadlines for the second phase have yet to be determined.

Commissioner DeWeese pointed out that because it is a Request for Qualifications this is about finding the person or persons to produce something we will find useful.

1

March 13, 2017

Victor Saroki of Saroki & Associates said it was apparent that the North Old Woodward deck has the best potential. He said it yields the maximum amount of parking and created a new street as well as more development potential for the area. He worked with Carl Walker, parking consultants in Kalamazoo, on the deck designs and the calculations and proposals. He explained the structure is five levels and has about 572 spaces. The surface lot has 173 spaces, for a total of 745 spaces. He described the two schemes, their features and differences.

Discussion followed about the increase in the number of parking spaces. Mr. Saroki said the target numbers proposed were exceeded.

Commissioner Boutros asked if we put two buildings together, would they yield 2,000 spaces. Mr. Saroki believes the existing structure is not designed for additional floors on top. If a new structure is built, some of the surface parking is lost. The new total combined would be 1,088, which is less than a new deck.

Commissioner DeWeese suggested we need to remove at least the north section of the old garage to make Bates wide enough for sidewalks. If the garage is kept the way it is now, full utilization of Bates would not be possible and not be pedestrian friendly. He expressed concern about how the upper floors of the parking deck would look, and would like that look diminished. Mr. Saroki agreed, and said that would be the challenge of the architects and developers working on the project.

Commissioner Hoff thought the designs were excellent, and is happy to see an RFQ as a first step. She thinks it is a better way to move forward. She expressed concern about whether two weeks is sufficient time for firms to submit a response to a RFQ. Mr. Saroki agreed with Commissioner Hoff, because it will be a team that will need to be assembled to submit a thoughtful proposal, so more time for development is important.

Commissioner Hoff said this project has many challenges, including financing and use of the public property. She feels a group has to come together that is familiar with public/private partnerships as well as building and design, and that process may require more time. She suggested using the list that Jones LaSalle provided.

Mr. Saroki suggested the site visit be scheduled three weeks from now. Mayor Nickita agreed that extra time does not have an impact on us.

Planning Director Ecker suggested mid-April for the mandatory meeting, and mid-May for qualifications to come back, give or take a month.

#### **MOTION:** Motion by Boutros, seconded by Hoff:

To direct staff to issue the Request for Qualifications for the N. Old Woodward/Bates Street Parking and Site Development through the MITN system to solicit qualified firms interested in pursuing the development of this area.

Commissioner Hoff would like to amend the motion to include the MITN system, as well as other developers locally, regionally, and nationally.

Commissioner Bordman said this is a significant project with many parts. The group that is going to review the responses should include the Parks and Recreation Board, since this RFQ

2

March 13, 2017

involves Booth Park and the bridge connecting the park and the trail system. The RFQ needs the expertise of the Parks and Recreation Board represented in the review of the RFQ.

Mayor Nickita agreed and said having some additional insight from the Board is a valid point. It was agreed that the Parks and Recreation Board could be incorporated into the RFQ review.

VOTE: Yeas, 7

Nays, None Absent, None

3

#### **EXCERPT**

## BIRMINGHAM CITY COMMISSION MINUTES SEPTEMBER 11, 2017 MUNICIPAL BUILDING, 151 MARTIN

7:30 P.M.

### 09-249-17 NORTH OLD WOODWARD / BATES STREET PARKING AND SITE DEVELOPMENT – REQUEST FOR PROPOSALS

From City Planner Ecker's staff report to City Manager Valentine dated September 6, 2017: On March 16, 2017 the City issued a Request for Qualifications (RFQ) seeking qualified developers interested in the N. Old Woodward Parking / Bates Street Extension project.

The City received submittals from four development teams. All were reviewed by City staff and all four met the qualifications contained in the RFQ. Accordingly, the City Attorney reviewed the financial documentation to determine if all were financially qualified.

On July 26, 2017, the Ad Hoc Parking Development Committee adopted a motion finding that all four of the development teams that submitted their qualifications were in fact qualified to proceed to the next phase. The Committee directed staff to prepare a draft Request for Proposals (RFP) for their review at a future meeting.

On September 6, 2017, the Ad Hoc Parking Development Committee reviewed the draft RFP. The Ad Hoc Committee requested some changes to clarify the City's intentions, draw attention to the public plaza requirements, reference the Alleys & Passages Plan and highlight the desire for a public parking structure that can be repurposed for other uses. The Ad Hoc Parking Development Committee voted unanimously to recommend approval of the RFP to the City Commission.

#### Commissioner Bordman was concerned that:

- The plan did not include parking accommodations for construction site workers.
- The turn-around time between the release of the RFP and the proposal due date of January 3, 2018 is too short and may lead to rushed proposals.

City Planner Ecker explained that parking arrangements for construction site workers are generally handled during pre-construction meetings with the developer and city staff, and that all four pre-qualified candidates stated before the Ad Hoc Parking Development Committee they would only need 90 days to create and submit their proposals.

Commissioner Hoff provided a brief overview of the Ad Hoc Parking Development Committee:

• It was formed about two years ago to look at the parking situation in Birmingham.

4

- The Committee includes a financial representative, a developer representative, members
  of the advisory parking committee, members of the City Commission, and members of
  the Planning Board.
- Victor Saroki's firm was hired to come up with a concept plan focusing on the N. Old Woodward parking structure and the surrounding area. Based on the firm's proposal, this is a development project, not just a parking project. The proposal includes:

March 13, 2017

- o Demolishing the N. Old Woodward structure and replacing it with a larger one;
- o Developing the surrounding area with business and residential projects; and
- o Continuing Bates north to emerge on Old Woodward.
- Commissioner Hoff and Mayor Nickita are both on the Committee.
- The four pre-qualified teams have a multitude of disciplines represented.

Mayor Pro Tem Harris asked whether the sale of public land, which under the City Charter requires a public vote, needs to be incorporated in the timeline for the bidders.

City Planner Ecker confirmed that it is included under Item E – Submission Requirements and Guidelines, on page twelve. A written outline of the terms the development team proposes is required, and the terms include purchase and/or lease of land.

Commissioner DeWeese clarified that should there be a lease of public land, and not a sale, that only the Commission's approval is required. City Manager Valentine confirmed. City Planner Ecker specified that such leases have been done previously, albeit with smaller parcels.

Mayor Nickita explained that the land lease or sale would include the retail liner of the parking deck and the development parcels: one residential, one mixed use. The City would retain ownership of the land beneath the parking deck, the street, the sidewalk, the infrastructure, the right of way, the public park or space that goes down to the river and the connection to Booth Park.

**MOTION:** Motion by Commissioner Sherman, seconded by Commissioner Boutros: To direct staff to issue the Request for Proposals for the solicitation of qualified development teams to plan and construct the North Old Woodward / Bates Street Parking and Site Development with the changes noted.

VOTE: Yeas, 7

Nays, 0 Absent, 0

5 March 13, 2017



#### **MEMORANDUM**

Office of the City Manager

DATE: July 1, 2020

TO: City Commission

FROM: Joseph A. Valentine, City Manager

SUBJECT: Potential Park Bond Opportunity

#### INTRODUCTION:

Every five to six years, the City's Parks and Recreation Master Plan is updated to reflect a vision for the City's parks and recreation facilities: their operations, maintenance, and enhancements for the next several years. This plan also forms the basis for potential recreation grant funding from the Michigan Department of Natural Resources (MDNR) and other agencies and foundations. In addition, municipal funding options are explored, as applicable, to achieve the desired improvements. One such option is the potential for a Parks and Recreation Bond as the last bond issuance for park improvements occurred in 2008. With current bond debt expiring in fiscal years 2021 and 2024, there is an opportunity to replace this retiring debt with new debt service, which would be less than the debt being retired, and achieve the goals of the Parks and Recreation Master Plan, if desired.

#### **BACKGROUND:**

The last Parks and Recreation Bond was authorized in 2001 and issued in two series; one in 2002 in the amount \$16,122.688 and another in 2008 in the amount of \$4,014,789. Since 2002, updates to the Parks and Recreation Master Plan occurred in 2006, 2011 and 2018. In November of 2019, a priority list was presented to the City Commission in follow-up to the most recently adopted plan. In January of 2020 at the City's Long Range Planning meeting, the opportunity for a potential Parks and Recreation Bond was presented as an option for funding future parking improvements. With the onset of COVID-19 this spring, this discussion was tabled as the City assessed the economic and operational challenges that were presented in this new environment. At the regular meeting of June 22, 2020, the Commission requested this item be brought back for consideration given the opportunity for a November ballot question was approaching.

The filing deadlines for county and local proposals are governed by the State of Michigan Secretary of State and a copy of their 2020 Michigan elections dates' summary is attached. Ballot wording of county or local proposals to be presented at the November general election (November 3, 2020) must be certified to the County Clerk by 4:00pm on August 11, 2020. With this prerequisite, bond counsel has advised the regular meeting of July 20, 2020 would be the optimal meeting to approve ballot language to be placed on the November ballot, should the Commission elect to do so.

In anticipation of a local ballot proposal moving forward by the City Commission, draft Ballot language has been prepared by bond counsel. This language is below.

#### PARKS AND RECREATION BOND PROPOSAL

Shall the City of Birmingham, Oakland County, Michigan, borrow the principal sum of not to exceed Eleven Million Two Hundred Fifty Thousand Dollars (\$11,250,000), and issue its unlimited tax general obligation bonds in one or more series, payable over a period not to exceed twenty-one (21) years from the date of issuance, to be used by the City for the purpose of paying all or part of the cost of acquiring, constructing, furnishing, equipping and renovating parks and recreation improvements, including parks, playgrounds and trail system improvements and renovations to the Birmingham Sports Ice Arena, including all appurtenances and attachments? The estimated millage to be levied in 2021 is 0.0485 mills (\$0.05 per \$1,000 of taxable value) and the estimated simple average annual millage rate required to retire the bonds is 0.2064 mills (\$0.21 per \$1,000 of taxable value).

YES ☐ NO ☐

The bonding about of \$11,250,000 was derived from the priority list presented in November of 2019, which was in the amount of 12,195,000. In the current fiscal year 2020-2021 budget, funds have been budgeted in the amount of \$2 million to address the needed replacement of mechanical equipment at the City's ice arena. This reduced the original priority list amount to \$10,195,000. This amount did not include bonding costs or allow for any inflationary impacts given the timeframe from development of the budget estimates to implementation. The proposed amount of \$11,250,000 takes into account bonding costs and inflation and is a not to exceed amount. The intention would be to continue to issue bonds in two series or phases so a planned group of projects could be completed before additional bonds were needed to be issued for the remaining elements. The first series could be issued in 2021 when current debt service would be retiring and again in 2024 when exist debt service would again be retired. The retirements of existing debt service would be more than the debt service added for a Parks and Recreation Bond in the amount of \$11,250,000.

Funding for the first series of bonds would address projects and programs that already have concept plans prepared and could be moved forward to implementation rather quickly. This would be in the amount of \$4,750,000. The remaining projects would require further work to either develop or finalize concept plans and this could be initiated during the first phase. Then for the second phase, projects would be ready for implementation beginning in 2024 when the next series of bonds were issued. This would be in the amount of \$6.5 million.

#### FISCAL IMPACT:

The opportunity for a Parks and Recreation Bond would be in a not to exceed amount established by the ballot language approved by the Commission. In addition to bond funding, other funding opportunities can be explored such as possible state and federal grants, crowdfunding initiatives and private contributions.

Presuming the full amount is bonded, the impact on the City's overall debt service would be minimal. Public Act 279 of 1909 sets a debt limit of 10% of the total assessed valuation of both real and personal property. Currently, the City's debt limit is \$344,532,318. The City's outstanding debt limit as of June 20, 2020 was \$9,539,280 or 3% of its debt limit. Assuming an \$11,250,000 Parks and Recreation Bond broken into two bond series of approximately \$4,750,000 in 2021 and \$6.5 million in 2024 with a 21 year debt service, the average fiscal year millage requirement would be .2064 mills. The impact on the City's overall debt levy is outlined below.

	2020-21	2021-22	2022-23	2023-24	2024-25
	Required	Required	Required	Required	Required
	Millage	Millage	Millage	Millage	Millage
Existing City	1.0099	.5448	.5140	.5507	.1156
Debt Levy					
1st Bond Series	0	.0485	.0476	.0467	.0975
2 <sup>nd</sup> Bond Series	0	0	0	0	.0740
Total	1.0099	.5973	.5616	.5974	.2871

As noted above the existing City debt levy would reduce in 2021 with existing sewer bonds being paid off and reduce again in 2024 with the first Parks and Recreation Bond being paid off. The average annual impact to the taxpayer with a taxable value of \$250,000 is \$51.60 (based on an average required mill levy of .2064) over a 21 year debt service for the bonds.

#### LEGAL REVIEW:

Staff have been working with the City's bond counsel, Miller Canfield, in the preparation of the draft bond language. Bond counsel has also been involved in the development of the bond schedules in conjunction with our municipal finance advisors, Bendzinski & Co. Copies of the draft ballot language and bond schedules are attached.

#### PUBLIC COMMUNCATIONS

To assist in a public information campaign of a potential Parks and Recreation Bond proposal, staff has obtained a proposal from our current contracted communications firm, Van Dyke\*Horn, to assist with educating the community about the ballot question, if desired. Van Dyke\*Horn has worked in close partnership with organizations and coalitions to deliver integrated and impactful communications campaigns in support of public policy and ballot initiatives. A copy of their proposal is attached for review.

Should the Commission wish to engage Van Dyke\*Horn, they have proposed a project fee of \$30,000 to cover the 17-18 week campaign, excluding significant out-of-pocket expenses and production costs which are outlined in their proposal. These expenses could be reimbursable under the bond, if it was decided to apply them in this manner.

#### **SUMMARY**

This information has been provided in order to assess if there is a desire to move forward with a Parks and Recreation Bond at this time. The work by the Parks and Recreation Board in the development of the Parks and Recreation Master Plan and related priority list carry forward the interest of the community for respective park enhancements. Bonding for these

enhancements at this time would take advantage of the City's AAA bond rating, large debt capacity, upcoming diminishing debt service, the appeal for municipal bonds in the market and allows for improvements to occur in the near term. For a November 2020 ballot question, timing is essential if the decision is made to proceed. Additionally, the economic environment resulting from COVID-19 may be a consideration as well.

In order to determine if there is a desire to move forward with a ballot question for a Parks and Recreation Bond for this November, it is recommended to set the date of July 20, 2020 for further discussion and any action to be taken on this effort for this year.

#### ATTACHMENTS:

- Original Parks & Recreation Priority List
- Revised Parks & Recreation Priority List
- Schedule of Debt Service and Millage Requirements
- Draft Bond Resolution
- 2020 Michigan Election Dates Summary
- Communication program proposal

#### SUGGESTED RESOLUTION:

To set the date of July 20, 2020 to consider approval of a local ballot proposal to be presented at the November general election for a parks and recreation bond in support of the Parks and Recreation Master Plan.

#### Recommended Parks & Recreation Bond Priority List

Phase I	Cost Estimate
Adams Park Development	\$ 700,000
Booth Park Phase III	
Entry plaza with gardens and seating	\$ 300,000
Ice Arena	
New Refrigeration System	
Locker Room Expansion	\$ 5,100,000
Springdale Park Playground	\$ 350,000
Crestview Playground	\$ 250,000
Howarth Playground	\$ 150,000
Pickleball	\$ 150,000
Trail Improvements	
New Trail Entry/Plazas, Accessible material upgrades, stream bank	
preservation	\$ 300,000
Total Phase I	\$ 7,300,000

# Phase II Cost Estimate Lincoln Well & Pumphouse Park Playground \$ 350,000 Linden Park Playground \$ 150,000

Poppleton Park New Inclusive Playground Area including drainage	
improvements	\$ 1,020,000
Kenning Park	
Playground, Fields 1 & 4, New Walking Path	\$ 1,200,000
Springdale Golf Course- new irrigation and cart paths	\$ 525,000
Trail Improvements	
Connect Willits to Maple at Museum- New stone steps, accessible	
crushed limestone path, river overlook, benches, retaining walls	
and plant material	\$ 450,000
Total Phase II	\$ 4.895.000

#### Recommended Parks & Recreation Bond Priority List

Schedule I	<del></del>	Cost Estimate
Adams Park Development	\$	700,000
Booth Park Corner Feature	\$	300,000
Ice Arena Building Improvements	\$	3,100,000
Pickleball Court	\$	150,000
Rouge River Trail Corridor Improvements	\$	300,000
Total Schedule I	\$	4,750,000

Schedule II	Cost Estimate
Lincoln Well & Pumphouse Park- Inclusive Playgrounds	\$ 350,000
Linden Park Inclusive Playground	\$ 150,000
Pembroke Park Inclusive Playground/Shelter	\$ 400,000
St. James Park Inclusive Playground	\$ 300,000
Springdale Park Inclusive Playground	\$ 350,000
Crestview Park Inclusive Playground	\$ 250,000
Howarth Park Inclusive Playground	\$ 150,000
Splash Pad	\$ 500,000
Poppleton Park Inclusive Playground and Drainage Improvements	\$ 1,020,000
Kenning Park Inclusive Playground and Field Improvements	\$ 1,200,000
Springdale Golf Course Irrigation Improvements	\$ 525,000
Rouge River Trail Corridor Improvements	\$ 450,000
Total Schedule II	\$ 6,500,000
TOTAL:	\$ 11,250,000



Includes Bond Issuance Costs and Inflation



## \$11,250,000 CITY OF BIRMINGHAM COUNTY OF OAKLAND, STATE OF MICHIGAN UNLIMITED TAX GENERAL OBLIGATION BONDS, SERIES 2021 AND SERIES 2024

#### SCHEDULE OF DEBT SERVICE AND MILLAGE REQUIREMENTS

		2016	EXISTING	BONDS				2021 BO	NDS				2024 BC	NDS		2021 & 2024	2021 & 2024 B	ONDS MILLAGE	TOTAL	TOTAL	MILLAGE
					Total					Total					Total	Total			Total		
Fiscal Year	Principal		Interest	Interest	Principal	Principal		Interest	Interest	Principal	Principal		Interest	Interest	Principal	Principal	Taxable	July 1	Principal	Taxable	July 1
Beginning	Due	Interest	Due	Due	& Interest	Due	Interest	Due	Due	& Interest	Due	Interest	Due	Due	& Interest	& Interest	Value	Millage	& Interest	Value	Millage
July 1	October 1	Rate	October 1	April 1 NEXT	Requirements	October 1	Rate	October 1	April 1 NEXT	Requirements	October 1	Rate	October 1	April 1 NEXT	Requirements	Requirements	in 1,000	Requirement	Requirements	in 1,000	Requirement
2019	\$ -	0.000%	\$ -	\$ 114,550	\$ 114,550	\$ -	2.750%	\$ -	\$ -	\$ -	\$ -	3.250%	\$ -	\$ -	\$ -	\$0	\$2,497,255 <sup>1</sup>	0.0000	\$114,550	\$2,497,255 <sup>1</sup>	0.0459
2020	2,460,000	2.000%	114,550	89,950	2,664,500	-	2.750%	-	-	-	-	3.250%	-	-	-	0	2,638,284 <sup>1</sup>	0.0000	2,664,500	2,638,284 <sup>1</sup>	1.0099
2021	1,310,000	2.000%	89,950	76,850	1,476,800	-	2.750%	65,313	65,313	130,625	-	3.250%	-	-	-	130,625	2,691,050	0.0485	1,607,425	2,691,050	0.5973
2022	1,270,000	2.000%	76,850	64,150	1,411,000	-	2.750%	65,313	65,313	130,625	-	3.250%	-	-	-	130,625	2,744,871	0.0476	1,541,625	2,744,871	0.5616
2023	1,450,000	5.000%	64,150	27,900	1,542,050	-	2.750%	65,313	65,313	130,625	-	3.250%	-	-	-	130,625	2,799,768	0.0467	1,672,675	2,799,768	0.5974
2024	280,000	4.000%	27,900	22,300	330,200	150,000	2.750%	65,313	63,250	278,563	-	3.250%	105,625	105,625	211,250	489,813	2,855,764	0.1715	820,013	2,855,764	0.2871
2025	280,000	4.000%	22,300	16,700	319,000	150,000	2.750%	63,250	61,188	274,438	-	3.250%	105,625	105,625	211,250	485,688	2,912,879	0.1667	804,688	2,912,879	0.2763
2026	280,000	4.000%	16,700	11,100	307,800	150,000	2.750%	61,188	59,125	270,313	70,000	3.250%	105,625	104,488	280,113	550,425	2,971,137	0.1853	858,225	2,971,137	0.2889
2027	280,000	4.000%	11,100	5,500	296,600	175,000	2.750%	59,125	56,719	290,844	80,000	3.250%	104,488	103,188	287,675	578,519	3,030,559	0.1909	875,119	3,030,559	0.2888
2028	275,000	4.000%	5,500	-	280,500	175,000	2.750%	56,719	54,313	286,031	100,000	3.250%	103,188	101,563	304,750	590,781	3,091,171	0.1911	871,281	3,091,171	0.2819
2029	-	0.000%	-	-	-	200,000	2.750%	54,313	51,563	305,875	390,000	3.250%	101,563	95,225	586,788	892,663	3,152,994	0.2831	892,663	3,152,994	0.2831
2030	-	0.000%	-	-	-	245,000	2.750%	51,563	48,194	344,756	400,000	3.250%	95,225	88,725	583,950	928,706	3,216,054	0.2888	928,706	3,216,054	0.2888
2031	-	0.000%	-	-	-	250,000	2.750%	48,194	44,756	342,950	420,000	3.250%	88,725	81,900	590,625	933,575	3,280,375	0.2846	933,575	3,280,375	0.2846
2032	-	0.000%	-	-	-	260,000	2.750%	44,756	41,181	345,938	435,000	3.250%	81,900	74,831	591,731	937,669	3,345,982	0.2802	937,669	3,345,982	0.2802
2033	-	0.000%	-	-	-	265,000	2.750%	41,181	37,538	343,719	450,000	3.250%	74,831	67,519	592,350	936,069	3,412,902	0.2743	936,069	3,412,902	0.2743
2034	-	0.000%	-	-	-	270,000	2.750%	37,538	33,825	341,363	465,000	3.250%	67,519	59,963	592,481	933,844	3,481,160	0.2683	933,844	3,481,160	0.2683
2035	-	0.000%	-	-	-	300,000	2.750%	33,825	29,700	363,525	480,000	3.250%	59,963	52,163	592,125	955,650	3,550,783	0.2691	955,650	3,550,783	0.2691
2036	-	0.000%	-	-	-	330,000	2.750%	29,700	25,163	384,863	495,000	3.250%	52,163	44,119	591,281	976,144	3,621,799	0.2695	976,144	3,621,799	0.2695
2037	-	0.000%	-	-	-	340,000	2.750%	25,163	20,488	385,650	510,000	3.250%	44,119	35,831	589,950	975,600	3,694,235	0.2641	975,600	3,694,235	0.2641
2038	-	0.000%	-	-	-	360,000	2.750%	20,488	15,538	396,025	525,000	3.250%	35,831	27,300	588,131	984,156	3,768,120	0.2612	984,156	3,768,120	0.2612
2039	-	0.000%	-	-	-	365,000	2.750%	15,538	10,519	391,056	545,000	3.250%	27,300	18,444	590,744	981,800	3,843,482	0.2554	981,800	3,843,482	0.2554
2040	-	0.000%	-	-	-	375,000	2.750%	10,519	5,363	390,881	560,000	3.250%	18,444	9,344	587,788	978,669	3,920,352	0.2496	978,669	3,920,352	0.2496
2041	-	0.000%				390,000	2.750%	5,363		395,363	575,000	3.250%	9,344		584,344	979,706	3,998,759	0.2450	979,706	3,998,759	0.2450
	\$ 7,885,000		\$429,000	\$ 429,000	\$ 8,743,000	\$4,750,000		\$919,669	\$ 854,356	\$ 6,524,025	\$6,500,000		\$1,281,475	\$1,175,850	\$8,957,325	\$15,481,350		0.2064 *	\$24,224,350		0.3492

<sup>\*</sup> Average

<sup>&</sup>lt;sup>1</sup> Actual taxable value

2016 Existing Bonds:	
Bonds Dated:	10/01/2019
First Interest Payment:	04/01/2020
Number of Days:	180
Subsequent Interest Payment:	10/01/2020
Number of Days:	180
First Principal Payment:	10/01/2020

2021 Bond Assumptions:						
Bonds Dated:	04/01/2021					
First Interest Payment:	10/01/2021					
Number of Days:	180 *					
Subsequent Interest Payment:	04/01/2022					
Number of Days:	180					
First Principal Payment:	10/01/2024					
Projected Interest Rate:	2.75%					
2020 Taxable Value (in 1,000s):	\$2,638,284,320					
Growth Rate in Taxable Value:	2.00%					

2024 Bond Assumptions:						
Bonds Dated:	04/01/2024					
First Interest Payment:	10/01/2024					
Number of Days:	180 *					
Subsequent Interest Payment:	04/01/2025					
Number of Days:	180					
First Principal Payment:	10/01/2026					
Projected Interest Rate:	3.25%					
2020 Taxable Value (in 1,000s):	\$2,638,284,320					
Growth Rate in Taxable Value:	2.00%					

17000 Kercheval Ave, Suite 230, Grosse Pointe, Michigan, 48230 PHONE: (313) 961-8222 FAX: (313) 961-8220

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.

#### RESOLUTION SUBMITTING PARKS AND RECREATION BOND PROPOSAL

#### **CITY OF BIRMINGHAM**

County of Oakland, State of Michigan

Minutes of a regular meeting of the City Commission of the City of Birmingham, County of Oakland, State of Michigan, conducted electronically in conformity with Governor Whitmer's Executive Order No. 2020-129, on the 20<sup>th</sup> day of July, 2020, at 7:30 p.m., prevailing Eastern Time.

PRESENT:	Members	
ABSENT:	Members_	
The followin supported by Membe	g preamble and resolution were offered by Memberer	and

WHEREAS, the City Commission (the "City Commission") of the City of Birmingham (the "City") has determined that it is necessary to pay all or part of the cost of acquiring, constructing, furnishing, equipping and renovating parks and recreation improvements, including parks, playgrounds and trail system improvements and renovations to the Birmingham Sports Ice Arena, including all appurtenances and attachments? (the "Project"); and

WHEREAS, the City Commission has determined that the City should borrow money in an amount not to exceed Eleven Million Two Hundred Fifty Thousand Dollars (\$11,250,000), and issue unlimited tax general obligation bonds of the City, in such amount for the purpose of paying part of the cost of the Project; and

WHEREAS, the City Commission has determined that a proposal to issue bonds for the Project shall be submitted to the qualified electors of the City at the general election to be held in the City on Tuesday, November 3, 2020 (the "Election Date"); and

WHEREAS, in order for the bond proposal to be submitted to the qualified electors, it is necessary for the City Commission to certify the ballot wording of the proposal to the City Clerk and to the County Clerk of the County of Oakland (the "County Clerk"), as required by Act 116, Public Acts of Michigan, 1954, as amended (the "Michigan Election Law").

#### NOW, THEREFORE, BE IT RESOLVED THAT:

- 1. The bond proposal attached hereto as Exhibit A (the "Bond Proposal") shall be submitted to a vote of the qualified electors of the City on the Election Date.
  - 2. The ballot wording of the Bond Proposal is hereby certified to the City Clerk and

the County Clerk for submission to the City's electors on the Election Date. The City Clerk is hereby authorized and directed to file this Resolution and/or complete any such forms, certificates or documents as may be required by the County Clerk to evidence the foregoing certification and/or submission by no later than 4:00 p.m. on Tuesday, August 11, 2020.

- 3. The City Clerk and the County Clerk are hereby directed to (a) post and publish notice of last day of registration and notice of election as required by the Michigan Election Law; and (b) have prepared and printed, as provided by the Michigan Election Law, ballots for submitting the bond proposal at the election, which ballots shall contain the Bond Proposal, or the proposition shall be stated as a proposal on the voting machines, which ballots may include other matters presented to the electorate on the same date.
- 4. The estimated millage rate in the first year and simple average annual millage rate set forth in the Bond Proposal, which have been prepared for the City by Bendzinski & Co., financial advisors to the City, are reasonable estimates of such millage rates based on current assumptions.
- 5. The City makes the following declarations for the purpose of complying with the reimbursement rules of Treas. Reg. § 1.150-2 pursuant to the Internal Revenue Code of 1986, as amended:
  - (a) If the ballot proposal is approved by the electors, the City reasonably expects to reimburse itself with proceeds of the Bonds for certain costs of the Project which were paid or will be paid from the general funds of the City subsequent to sixty (60) days prior to today.
  - (b) The maximum principal amount of debt expected to be issued for the Project, including issuance costs, is \$11,250,000.
  - (c) A reimbursement allocation of the capital expenditures described above with the proceeds of the Bonds will occur not later than 18 months after the later of (i) the date on which the expenditure is paid, or (ii) the date the Project is placed in service or abandoned, but in no event more than three (3) years after the original expenditure is paid. A reimbursement allocation is an allocation in writing that evidences the City's use of the proceeds of the Bonds to reimburse the City for a capital expenditure made pursuant to this resolution.

6. provisions o	All resolutions and parts of resolution fthis resolution, are hereby repealed.	ntions, insofar as they conflict with the
AYES:	Members	
NAYS:	Members	
RESOLUT	TON DECLARED ADOPTED.	
		City Clerk
adopted by Michigan, a public notic as temporar	the City Commission of the City of Int a regular meeting held on July 20, 202 are of the meeting was given pursuant to Arily modified by Governor Whitmer's E	a true and complete copy of a resolution Birmingham, County of Oakland, State of 20, and that the meeting was conducted and act No. 267, Public Acts of Michigan, 1976 executive Order No. 2020-129 and that the ave been made available as required by the
		City Clerk

#### **EXHIBIT A**

#### PARKS AND RECREATION BOND PROPOSAL

Shall the City of Birmingham, Oakland County, Michigan, borrow the principal sum of not to exceed Eleven Million Two Hundred Fifty Thousand Dollars (\$11,250,000), and issue its unlimited tax general obligation bonds in one or more series, payable over a period not to exceed twenty-one (21) years from the date of issuance, to be used by the City for the purpose of paying all or part of the cost of acquiring, constructing, furnishing, equipping and renovating parks and recreation improvements, including parks, playgrounds and trail system improvements and renovations to the Birmingham Sports Ice Arena, including all appurtenances and attachments? The estimated millage to be levied in 2021 is 0.0485 mills (\$0.05 per \$1,000 of taxable value) and the estimated simple average annual millage rate required to retire the bonds is 0.2064 mills (\$0.21 per \$1,000 of taxable value).

YES □

NO □

36085432.1\008626-00031

## 2020

## MICHIGAN ELECTION DATES

Includes list of filing requirements for federal and state elective offices



Jocelyn Benson Secretary of State

Michigan.gov/elections

#### **INFORMATION**

**ELECTIONS:** For information on matters relating to elections, contact your county, city or township clerk. Information can also be obtained from the Michigan Department of State, Bureau of Elections, P.O. Box 20126, Lansing, MI 48901-0726. Phone: (517) 335-3234. Fax: (517) 335-3235. Email: Elections@Michigan.gov. Web site: Michigan.gov/Elections.

**FINANCIAL DISCLOSURE:** State candidates, local candidates and political groups have financial disclosure obligations under Michigan's Campaign Finance Act. For information, contact your county clerk or the Michigan Department of State, Bureau of Elections.

Candidates running for federal office should contact the Federal Election Commission, 1050 First Street N.W., Washington, D.C. 20463. Toll free line: (800) 424-9530. Web site: fec.gov.

TABLE OF CONTENTS						
Summary Calendar for Candidate and Proposal Deadlines	Page 3					
Detailed Calendar for Election Administrators	Page 6					
Recount Filing Dates	Page 12					
Offices to be Elected in 2020	Page 13					
2020 Filing Requirements	Page 14					
2020 Calendar	Inside Back Cover					

#### SUMMARY CALENDAR FOR CANDIDATE AND PROPOSAL DEADLINES

## August 4, 2020 Primary and November 3, 2020 General Election

#### **Important Dates and Filing Deadlines**

Refer to Michigan compiled law for cited provisions (Legislature.Mi.Gov.) Dates are subject to change through legislative action. If any errors are found, it is the law, itself, which must be followed.

#### **Election Dates**

August 4, 2020 **State Primary** 

**November 3, 2020** State General Election

**Registration Deadlines** 

July 20, 2020 Last day to register in any manner other than in-person with the local clerk

for the August primary. (168.497)

July 21 through 8:00 p.m.

August 4, 2020

In-person registration with local clerk with proof of residency. (168.497)

October 19, 2020 Last day to register in any manner other than in-person with the local clerk

for the November general election. (168.497)

October 20 through 8:00

p.m. November 3, 2020

In-person registration with local clerk with proof of residency. (168.497)

#### Filing Deadlines: Candidates

By 5:00 p.m., Incumbent Appeals Court, Circuit Court, District Court and Probate Court judges March 23, 2020 file Affidavit of Candidacy and Affidavit of Identity for the August primary.

Withdrawal deadline elapses at 5:00 p.m. on March 26. (168.409b, 413a, 414,

433a, 434, 467c and 467d)

By 4:00 p.m., Candidates seeking Appeals Court, Circuit Court, District Court or Probate Court **April 21, 2020** judgeships file nonpartisan nominating petitions, Affidavit of Identity and Affidavit

> of Constitutional Qualification for the August primary. Withdrawal deadline elapses at 5:00 p.m. on April 24. (168.409b, 409c, 413, 414, 433, 434, 467b and

467d)

Candidates seeking a Wayne County Community College Trustee position file an By 4:00 p.m., **April 21, 2020** 

Affidavit of Identity and a nonpartisan nominating petition. Withdrawal deadline

elapses at 4:00 p.m. on April 24. (389.83, 2018 PA 628; 168.303)

By 4:00 p.m., April 21, 2020	Candidates for partisan and nonpartisan offices (other than judicial candidates) file nominating petitions (or fees if applicable) and Affidavit of Identity for the August primary. Withdrawal deadline elapses at 4:00 p.m. on April 24. (168.93, 133 and 163 for federal and state-level offices; assorted other statutes for local offices)
By 4:00 p.m., May 5, 2020	Candidates for county convention delegate (precinct delegate) file an Affidavit of Identity for the August primary. Filing submitted to the clerk of the county in which candidate resides. Withdrawal deadline elapses at 4:00 p.m. on May 8. (168.624, 624a)
By 5:00 p.m., July 6, 2020	Incumbent Supreme Court Justices file Affidavit of Identity and Affidavit of Candidacy forms for the November general election. (168.392a and 558)
By 4:00 p.m., July 16, 2020	District Library Board candidates who wish to seek office at the November general election file an Affidavit of Identity and a nonpartisan nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) (Special note: If district library <u>includes</u> a school district, District Library Board candidates file by 4:00 p.m. on August 11, 2020) (397.181)
By 4:00 p.m., July 16, 2020	Candidates without political party affiliation seeking partisan offices file qualifying petitions and Affidavit of Identity for the November general election. Withdrawal deadline elapses at 4:00 p.m. on July 20. (168.590c)
By 4:00 p.m., July 21, 2020	Candidates for Local School Board and Community College Trustee file an Affidavit of Identity and a nonpartisan nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) Withdrawal deadline elapses at 4:00 p.m. on July 24. (168.303; 389.152)
By 4:00 p.m., July 21, 2020	Candidates for village offices file an Affidavit of Identity and a nonpartisan nominating petition. Withdrawal deadline elapses at 4:00 p.m. on July 24. (168.381)
By 4:00 p.m., July 24, 2020	Write-in candidates <u>other than</u> write-in candidates who seek precinct delegate positions file Declaration of Intent forms for the August primary. (168.737a)
By 4:00 p.m., July 31, 2020	Write-in candidates who seek precinct delegate positions file Declaration of Intent forms with the county clerk for the August primary. (As an alternative, candidates for precinct delegate may file the Declaration of Intent form with appropriate precinct board on election day before the close of the polls.) (168.737a)
August 4, 2020	STATE PRIMARY ELECTION

By 4:00 p.m., August 11, 2020	District Library Board candidates (for library districts that include a school district) file an Affidavit of Identity and a nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) Withdrawal deadline elapses at 4:00 p.m. on August 14, 2020. (Special note: If district library does not include a school district, District Library Board candidates file by 4:00 p.m. on July 16, 2020). (397.181)
By 4:00 p.m., Oct. 23, 2020	Write-in candidates file Declaration of Intent forms for the November general election. (168.737a)
November 3, 2020	STATE GENERAL ELECTION
	Filing Deadlines: New Parties and State Ballot Proposals
By 5:00 p.m., May 27, 2020	Petitions to place a legislative initiative proposal on the November general election ballot filed with the Secretary of State (340,047 valid signatures required). (168.471)
By 5:00 p.m., July 6, 2020	Petitions to place a proposed constitutional amendment on the November general election ballot filed with the Secretary of State (425,059 valid signatures required). (168.471)
By 4:00 p.m., July 16, 2020	New political parties file petitions to qualify for November general election ballot (42,506 valid signatures required). (168.685)
	Filing Deadlines: County and Local Proposals
By 5:00 p.m., April 28, 2020	Petitions to place county and local questions on the August primary ballot filed with county and local clerks. (168.646a)
By 4:00 p.m., May 12, 2020	Ballot wording of county and local proposals to be presented at the August primary certified to county and local clerks; local clerks receiving ballot wording forward to county clerk within two days. (168.646a)
By 5:00 p.m., July 28, 2020	Petitions to place county and local questions on the November general election ballot filed with county and local clerks. (168.646a)
By 4:00 p.m., August 11, 2020	Ballot wording of county and local proposals to be presented at the November general election certified to county and local clerks; local clerks receiving ballot wording forward to county clerk within two days. (168.646a)

#### DETAILED CALENDAR FOR ELECTION ADMINISTRATORS

#### -- 2020 ELECTION DATES --AUGUST 4 PRIMARY NOVEMBER 3 GENERAL ELECTION

All listed dates are in 2020 unless otherwise specified. Refer to Michigan compiled law for cited provisions (<u>Legislature.Mi.Gov</u>.) Dates are subject to change through legislative action. If any errors are found, it is the law, itself, which must be followed.

By Jan. 7	City and township election commissions finalize precinct boundaries for 2020 election cycle. (168.661)
By Feb. 6	Last date precinct boundary alterations made for 2020 election cycle can go into effect. (168.661)
By March 1	Democratic and Republican state party chairpersons notify county and district committee chairs of county convention delegate (precinct delegate) allocation requirements. (168.623a)
By 5:00 p.m., March 23	Incumbent Appeals Court, Circuit Court, District Court and Probate Court judges file Affidavit of Candidacy and Affidavit of Identity for the August primary. Withdrawal deadline elapses at 5:00 p.m. on March 26. (168.409b, 413a, 414, 433a, 434, 467c, 467d)
By April 1	County political party chairpersons certify number of delegates per precinct to county election commissions. (168.623a)
By 4:00 p.m., April 21	Candidates seeking Appeals Court, Circuit Court, and District Court or Probate Court judgeships file nonpartisan nominating petitions, Affidavit of Identity and Affidavit of Constitutional Qualification for the August primary. Withdrawal deadline elapses at 5:00 p.m. on April 24. (168.409b, 409c, 413, 414, 433, 434, 467b, 467d)
By 4:00 p.m., April 21	Candidates for partisan and nonpartisan offices (other than judicial candidates) file nominating petitions (or fees if applicable) and Affidavit of Identity for the August primary. Withdrawal deadline elapses at 4:00 p.m. on April 24. (168.93, 133, 163 for federal and state-level offices; assorted other statutes for local offices)
By 4:00 p.m., April 21	Candidates seeking a Wayne County Community College Trustee position file an Affidavit of Identity and a nonpartisan nominating petition. Withdrawal deadline elapses at 4:00 p.m. on April 24. (389.83, 2018 PA 628; 168.303)
By April 27	City and township clerks forward names and addresses of partisan and nonpartisan candidates to county clerk. (168.321, 349)
By 5:00 p.m., April 28	Challenges against nominating petitions filed by partisan and nonpartisan candidates submitted to filing official. (168.552)

By 5:00 p.m., April 28	Petitions to place county and local questions on the August primary ballot filed with county and local clerks. (168.646a)
May 1	Last date a recall petition can be filed for recall question to appear on August primary ballot. (168.963)
By 4:00 p.m., May 5	Candidates for county convention delegate (precinct delegate) file an Affidavit of Identity for the August primary. Filing submitted to the clerk of the county in which candidate resides. Withdrawal deadline elapses at 4:00 p.m. on May 8. (168.624, 624a)
By 4:00 p.m., May 12	Ballot wording of county and local proposals to be presented at the August primary certified to county and local clerks; local clerks receiving ballot wording forward to county clerk within two days. (168.646a)
By 5:00 p.m., May 27	Petitions to place a legislative initiative proposal on the November general election ballot filed with the Secretary of State (340,047 valid signatures required). (168.471)
By June 2	Board of State Canvassers complete canvass of nominating petitions filed by candidates for the August primary; Secretary of State certifies candidates eligible to appear on August primary ballot to county election commissions by June 5. (168.552)
June 5	Final date cities and townships can establish, move or abolish a polling place for the August primary. (168.662)
By June 5	Democratic and Republican Parties call fall state conventions. (168.591)
By June 5	Ballot wording for constitutional amendments and legislative referendums, which the legislature wishes to place on the August primary ballot, presented to Secretary of State. (Art. 12, Sec. 1)
By June 20	Delivery of military and overseas AV ballots must begin for the August election by this date. All requests received since November 5, 2019 from a military or overseas voter must be honored for all 2020 elections. (168.759a)
By June 20	County clerks deliver absent voter ballots for the August primary to local clerks. (168.714)
By June 20	County committees of Democratic and Republican Parties call county conventions. (168.592)
June 25 through July 14	Precinct inspectors for August primary appointed by city and township election commissions. (168.674)
By July 6	Notice of voter registration for August primary published. One notice required. (168.498)
By 5:00 p.m., July 6	Incumbent Supreme Court Justices file Affidavit of Identity and Affidavit of Candidacy forms for the November general election. (168.392a, 558)

By 5:00 p.m., July 6	Petitions to place a proposed constitutional amendment on the November general election ballot filed with the Secretary of State (425,059 valid signatures required). (168.471)
By July 6	Clerk shall post and enter into Qualified Voter File (QVF) the hours the clerk's office will be open on the Saturday or Sunday or both immediately before the election to issue and receive absent voter ballots. (168.761b)
By July 6	Clerk shall post and enter into the QVF any additional locations and hours the clerk will be available to issue and receive absent voter ballots, if applicable. (168.761b)
By 4:00 p.m., July 16	District Library Board candidates who wish to seek office at the November general election file an Affidavit of Identity and a nonpartisan nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) (Special note: If district library <u>includes</u> a school district, District Library Board candidates file by 4:00 p.m. on August 11). (397.181)
By 4:00 p.m., July 16	Candidates without political party affiliation seeking partisan offices file qualifying petitions and Affidavit of Identity for the November general election. Withdrawal deadline elapses at 4:00 p.m. on July 20. (168.590c)
By 4:00 p.m., July 16	New political parties file petitions to qualify for November general election ballot (42,506 valid signatures required). (168.685)
July 20	Last day to register in any manner other than in-person with the local clerk for the August primary. (168.497)
July 21 through 8:00 p.m., August 4	In-person registration with local clerk with proof of residency. (168.497)
By 4:00 p.m., July 21	Candidates for Local School Board and Community College Trustee file an Affidavit of Identity and a nonpartisan nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) Withdrawal deadline elapses at 4:00 p.m. on July 24. (168.303; 389.152)
By 4:00 p.m., July 21	Candidates for village offices file an Affidavit of Identity and a nonpartisan nominating petition. Withdrawal deadline elapses at 4:00 p.m. on July 24. (168.381)
By 5:00 p.m., July 23	Challenges against qualifying petitions filed by candidates without political party affiliation submitted to filing official. (168.552)
By July 23	City and township clerks forward names and addresses of candidates without political party affiliation to county clerk. (168.321, 349)
By 4:00 p.m., July 24	Write-in candidates <u>other than</u> write-in candidates who seek precinct delegate positions file Declaration of Intent forms for the August primary. (168.737a)
By July 25	County clerks deliver remainder of ballots and election supplies for August primary to local clerks. (168.714)

By 5:00 p.m., July 28	Petitions to place county and local questions on the November general election ballot filed with county and local clerks. (If governing law sets an earlier petition filing deadline, earlier deadline must be observed.) (168.646a)
By July 28	Notice of August primary published. One notice required. (168.653a)
By July 30	Public accuracy test must be conducted. (R 168.778) Notice of test must be published at least 48 hours before test. (168.798)
By 4:00 p.m., July 31	Write-in candidates who seek precinct delegate positions file Declaration of Intent forms with the county clerk for the August primary. (As an alternative, candidates for precinct delegate may file form with appropriate precinct board on election day before the close of the polls.) (168.737a)
By 5:00 p.m., July 31	Electors may obtain an absent voter ballot via First Class mail. (168.759)
July 31	Last date a recall petition can be filed for recall question to appear on November general election ballot. (168.963)
By 2:00 p.m., August 1	Voters may submit written request to spoil their absent voter ballot and receive new ballot by mail. (168.765b)
Up to 4:00 p.m., August 3	Electors may obtain an absent voter ballot in person in the clerk's office. (168.761)
By 4:00 p.m., August 3	Voters may submit written request in person to spoil their absent voter ballot and receive new ballot in the clerk's office. (168.765b)
By August 4	Minor parties hold county caucuses; notify county clerk of nominated candidates within one business day after caucus. (168.686a)
By August 4	Minor parties hold state conventions; notify Secretary of State of nominated candidates within one business day after convention. (168.686a)
Up to 4:00 p.m., August 4	Emergency absentee voting for August primary. (168.759b)
Up to 8:00 p.m., August 4	Election Day registrants may obtain and vote an absent voter ballot in person in the clerk's office or vote in person in the proper precinct. (168.761)
August 4	STATE PRIMARY ELECTION
By 9:00 a.m., August 6	Boards of county canvassers meet to canvass August primary. (168.821)
By 4:00 p.m., August 11	District Library Board candidates (for library districts that include a school district) file an Affidavit of Identity and a nominating petition. (A \$100.00 nonrefundable fee may be filed in lieu of a petition.) Withdrawal deadline elapses at 4:00 p.m. on August 14. (Special note: If district library does not include a school district, District Library Board candidates file by 4:00 p.m. on July 16.) (397.181)

By 4:00 p.m., August 11	Ballot wording of county and local proposals to be presented at the November general election certified to county and local clerks; local clerks receiving ballot wording forward to county clerk within two days. (168.646a)
By August 11	County clerks notify precinct delegates elected at August primary; certify delegate names and addresses to chairpersons of county committees. (168.608)
August 12 through August 29	Democratic and Republican Parties hold fall county conventions. (168.592)
By August 18	Boards of county canvassers complete canvass of August primary; county clerks forward results to Secretary of State within 24 hours. (168.581, 822, 828)
By August 24	Board of State Canvassers meet to canvass August primary. (168.581)
By Sept. 4	Democratic and Republican Parties hold fall state conventions. (168.591)
By Sept. 4	Cities and townships can establish, move or abolish a polling place for the November general election. (168.662)
By Sept. 4	Ballot wording for constitutional amendments and legislative referendums, which the legislature wishes to place on the November general election ballot, presented to Secretary of State. (Art. 12, Sec. 1)
By Sept. 19	Delivery of military and overseas AV ballots must begin for the November election by this date. All requests received since November 5, 2019 from a military or overseas voter must be honored for all 2020 elections. (168.759a)
By Sept. 19	County clerks deliver absent voter ballots for November general election to local clerks. (168.714)
Sept. 24 through Oct. 13	Precinct inspectors for November general election appointed by city and township election commissions. (168.674)
By Oct. 5	Notice of voter registration for November general election published. One notice required. (168.498)

By Oct. 5	Clerk shall post and enter into QVF the hours the clerk's office will be open on the Saturday or Sunday or both immediately before the election to issue and receive absent voter ballots. (168.761b)
By Oct. 5	Clerk shall post and enter into the QVF any additional locations and hours the clerk will be available to issue and receive absent voter ballots, if applicable. (168.761b)
Oct. 19	Last day to register in any manner other than in-person with the local clerk for the November general election. (168.497)
Oct. 20 through 8:00 p.m., Nov. 3	In-person registration with local clerk with proof of residency. (168.497)
By 4:00 p.m., Oct. 23	Write-in candidates file Declaration of Intent forms for the November general election. (168.737a)
By Oct. 24	County clerks deliver remainder of ballots and election supplies for November general election to local clerks. (168.714)
By Oct. 27	Notice of November general election published. One notice required. (168.653a)
By Oct. 29	Public accuracy test must be conducted. (R 168.778) Notice of test must be published at least 48 hours before test. (168.798)
By 5:00 p.m., Oct. 30	Electors may obtain an absent voter ballot via First Class mail. (168.759)
By 2:00 p.m., Oct. 31	Voters may submit written request to spoil their absent voter ballot and receive new ballot by mail. (168.765b)
Up to 4:00 p.m., Nov. 2	Electors may obtain an absent voter ballot in person in the clerk's office. (168.761)
By 4:00 p.m., Nov. 2	Voters may submit written request in person to spoil their absent voter ballot and receive new ballot in the clerk's office. (168.765b)
Up to 4:00 p.m., Nov. 3	Emergency absentee voting for November general election. (168.759b)
Up to 8:00 p.m., Nov. 3	Election Day registrants may obtain and vote an absent voter ballot in person in the clerk's office or vote in person in the proper precinct. (168.761)
Nov. 3	STATE GENERAL ELECTION
By 9:00 a.m., Nov. 5	Boards of county canvassers meet to canvass November general election. (168.821)
By Nov. 17	Boards of county canvassers complete canvass of November general election; county clerks forward results to Secretary of State within 24 hours. (168.822, 828)
By Nov. 23	Board of State Canvassers meet to canvass November general election. (168.842)

#### RECOUNT FILING DATES

#### All U.S. Senate, U.S. House and State House Seats

- Districts that lie wholly contained within one (1) county
  - \* Recount petitions must be filed with the Secretary of State within 48 hours after the adjournment of the meeting of the Board of State Canvassers at which the certificate for determination for that office was recorded. (168.879)
  - \* Counter petitions must be filed with the Secretary of State at or before 4:00 p.m. on the seventh day after the filing of the recount petition. (168.882)
- Districts located in more than one (1) county
  - \* Recount petitions must be filed with the Secretary of State within 48 hours after the Board of State Canvassers completes the canvass. (168.879)
  - \* Counter petitions must be filed with the Secretary of State at or before 4:00 p.m. on the seventh day after the filing of the recount petition. (168.882)

#### Any Other Office Canvassed by the Board of State Canvassers

- \* Recount petitions must be filed with the Secretary of State within 48 hours after the Board of State Canvassers completes the canvass. (168.879)
- \* Counter petitions must be filed with the Secretary of State at or before 4:00 p.m. on the seventh day after the filing of the recount petition. (168.882)

#### Any Other Office Canvassed by County Boards of Canvassers

- \* Recount petitions must be filed with the County Clerk within six days after the board of County canvassers completes the canvass. (168.866)
- \* Counter petitions must be filed with the County Clerk within 48 hours after the filing of the recount petition. (168.868)

#### **OFFICES TO BE ELECTED IN 2020**

U.S. President/Vice President

U.S. Senator (1 seat)

U.S. Representative in Congress (all 14 districts)

State Representative (all 110 districts)

State Board of Education (2 seats)

University of Michigan Regents (2 seats)

Michigan State University Trustees (2 seats)

Wayne State University Governors (2 seats)

Justice of the Supreme Court

Judge of the Court of Appeals

Judge of the Circuit Court

Judge of the District Court

Judge of Probate

County and Township Offices

Specified City and Village Offices

Specified School District Positions

#### **2020 FILING REQUIREMENTS**

### Federal and State Elective Partisan Offices Supreme Court Justice

#### Petition Filing Information: Democratic and Republican Candidates

- Democratic and Republican candidates can file nominating petitions for the following federal
  and state elective offices: U.S. Senate, U.S. Representative in Congress and State
  Representative (see below for additional elective offices whose Democratic and Republican
  nominees are determined by caucus or convention.)
- Democratic and Republican candidates must file a *partisan nominating petition* no later than 4:00 p.m., April 21, 2020. Democratic and Republican candidates who seek the office of State Representative may file a \$100.00 filing fee in lieu of a petition.
- Democratic and Republican candidates who submit a valid filing for office will be placed on the August primary ballot.

#### Petition Filing Information: Candidates Without Political Party Affiliation

- Candidates without political party affiliation can file for the following federal and state elective offices: U.S. President, U.S. Senate, U.S. Representative in Congress, State Representative, State Board of Education, University of Michigan Regent, Michigan State University Trustee, Wayne State University Governor and Supreme Court Justice.
- Candidates without political party affiliation who seek a partisan office or the office of Supreme Court Justice must file a *qualifying petition* no later than 4:00 p.m., July 16, 2020.
- All signatures submitted on a qualifying petition must have been collected within the preceding 180-day period; signatures which are dated more than 180 days prior to the date the petition is filed are invalid.
- Candidates without political party affiliation who submit a valid filing will be placed on the November general election ballot.

#### Affidavit of Identity Required of All Candidates

All candidates, except for President, must submit an Affidavit of Identity in duplicate when filing for office. Affidavit of Identity forms can be obtained from any filing official or from the Department of State's Bureau of Elections in Lansing (Michigan.gov/Elections.) A candidate who fails to comply with this requirement is ineligible to appear on the ballot.

Except for candidates seeking federal elective office or the office of precinct delegate, Michigan election law requires any candidate filing an Affidavit of Identity to state on the form that on the date the affidavit was executed, all statements, reports, late filing fees and fines required of the candidate or any Candidate Committee organized to support the candidate's election under Michigan's Campaign Finance Act have been filed or paid. If a candidate fails to comply with

this requirement or executes an Affidavit of Identity containing a false statement will be disqualified.

#### **Post-Election Campaign Finance Compliance Statement**

Except as noted below, Michigan election law requires any candidate elected to office on the state, county or local level to file an affidavit *prior to assuming office* which states that on the date the affidavit was executed all statements, reports, late filing fees and fines required of the candidate or any Candidate Committee organized to support the candidate's election under Michigan's Campaign Finance Act have been filed or paid. The affidavit is *not* required of an elected candidate who did not receive or expend more than \$1,000.00 during the election cycle. In addition, the form does not have to be filed by an individual elected to a federal office or a precinct delegate position.

A form developed for distribution to candidates who must comply with the filing requirement ("Post-Election Campaign Finance Compliance Statement") is available through any filing official. An elected candidate who is required to file the statement but who fails to submit the form is guilty of a misdemeanor.

#### **Signature Requirements; Filing Location**

The following lists the petition signature requirements for the offices to be filled in 2020.

NOTE: Minor party candidates are nominated by caucus or convention and appear on the November General election ballot.

#### **U.S. PRESIDENT**

All candidates who seek the office of U.S. President file with the Department of State's Bureau of Elections in Lansing.

DEMOCRATIC	REPUBLICAN		NO POLITICAL PARTY AFFILIATION	
		MIN	MAX	
Nominated at State Convention	Nominated at State Convention	12,000	24,000	

A qualifying petition circulated for the office of U.S. President must be signed by at least 100 registered voters in each of at least ½ of the congressional districts in the state.

A candidate without political party affiliation who files for the office of U.S. President is also required to submit the name of his or her running mate and list of presidential electors. For complete information, contact the Michigan Department of State's Bureau of Elections.

#### U.S. SENATOR

All candidates who seek the office of U.S. Senator file with the Department of State's Bureau of Elections in Lansing.

DEMOCRATIC		REPUBLICAN		NO POLITICAL PARTY AFFILIATION	
MIN	MAX	MIN	MAX	MIN	MAX
15,000	30,000	15,000	30,000	12,000	24,000

A petition submitted for the office of U.S. Senator must be signed by at least 100 registered electors in each of at least ½ of the congressional districts in the state.

#### U.S. REPRESENTATIVE IN CONGRESS

*Multi-County Districts:* A candidate who seeks the office of U.S. Representative in Congress in a multi-county district files with the Department of State's Bureau of Elections in Lansing. The multi-county U.S. House Districts are Districts 1-12 and 14.

*Single-County Districts:* A candidate who seeks the office of U.S. Representative in Congress in District 13 files with the Wayne County Clerk's office.

DEMOCRATIC		REPUBLICAN		NO POLITICAL PARTY AFFILIATION	
MIN	MAX	MIN	MAX	MIN	MAX
1,000	2,000	1,000	2,000	3,000	6,000

#### STATE BOARD OF EDUCATION UNIVERSITY OF MICHIGAN REGENT MICHIGAN STATE UNIVERSITY TRUSTEE WAYNE STATE UNIVERSITY GOVERNOR SUPREME COURT JUSTICE

All candidates who seek the following offices file with the Department of State's Bureau of Elections in Lansing: State Board of Education, University of Michigan Regent, Michigan State University Trustee, Wayne State University Governor, Supreme Court Justice (Note: Incumbent Supreme Court Justice files by affidavit.)

DEMOCRATIC	REPUBLICAN		NO POLITICAL PARTY AFFILIATION	
		MIN	MAX	
Nominated at State Convention	Nominated at State Convention	12,000	24,000	

A petition for one of the above offices must be signed by at least 100 registered electors in each of at least half of the congressional districts in the state.

#### STATE REPRESENTATIVE

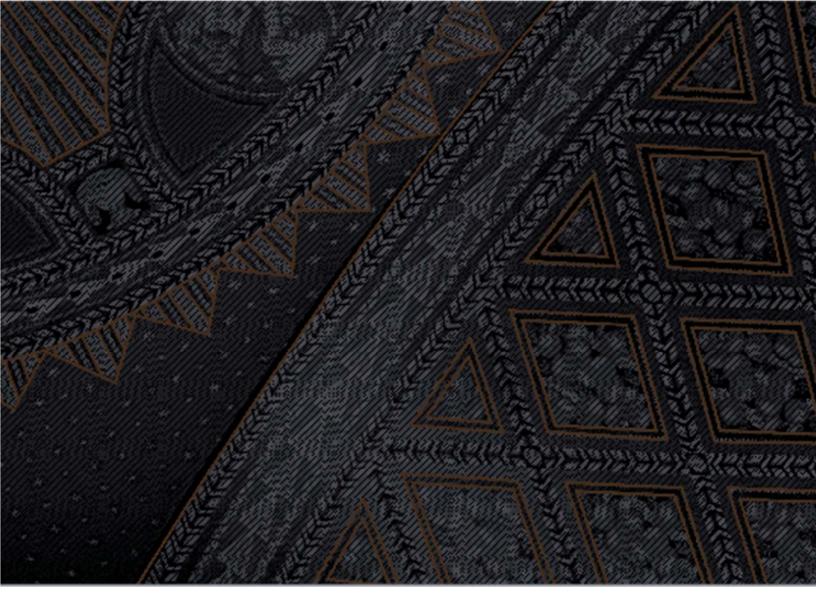
*Multi-County Districts:* A candidate who seeks the office of State Representative in a multi-county district files with the Department of State's Bureau of Elections in Lansing. The multi-county State House Districts are listed below:

17	32	51	58	59	63	65	66	70	72	78	83
84	85	86	87	93	97	98	99	100	101	102	103
105	106	107	108	109	110						

*Single-County Districts:* A candidate who seeks the office of State Representative in a district not listed above (single-county districts) files with the county clerk.

DEMO	CRATIC	REPUI	BLICAN	NO POLITICAL PARTY AFFILIATION		
MIN	MAX	MIN	MAX	MIN	MAX	
200	400	200	400	600	1,200	

Democratic and Republican candidates who seek the office of State Representative may file a \$100.00 filing fee in lieu of a petition.



# City of Birmingham Support City Parks – Bond Proposal

JULY 1, 2020

#### Van Dyke Horn – Your Campaign Partner

Van Dyke Horn Public Relations is Michigan's largest minority-owned public relations firm, headquartered in Detroit with an office in Lansing. Since its founding in 1998, our firm has been committed to Southeast Michigan and its diverse communities. We have earned a reputation in Michigan for our award-winning ability to develop and produce communications strategies that are designed to resonate with community needs and interests.

For more than two decades, Van Dyke

Horn has provided comprehensive communications services to education, corporate, government, philanthropic and nonprofit organizations, including successful communications campaigns for ballot initiatives and candidates including:

- The Detroit Institute of Arts' successful 2012 regional millage effort.
- The Detroit Public Library's successful 2014 millage effort.
- The Detroit Zoological Society's successful 2006 and 2016 regional millage efforts.
- MiThrive Coalition to support the Michigan transformational Brownfield Tax Credit
- Milmpact Coalition to support reinstatement of the Michigan Historic Tax Credit
- Warren Evans' successful campaign for Wayne County executive.
- The official launch of Dave Coulter's campaign for Oakland County executive.

Below is a list of other relevant and recent clients for which VDH has conducted public information and outreach campaigns:

- City of Detroit Departments of Housing and Revitalization, Innovation and Technology, Transportation, and Water and Sewerage
- Detroit Future City
- Detroit Wayne County Airport Authority
- Downtown Detroit Partnership
- Girls Scouts of Southeast Michigan
- Invest Detroit
- John S. and James L. Knight Foundation
- Public Lighting Authority of Detroit
- Michigan Future, Inc.
- State of Michigan Labor and Economic Opportunity Department

Our agency's philosophy is that by being deeply ingrained in our community, we are best positioned to build lasting and trusting relationships that lay the groundwork for becoming full partners with our clients to develop and lead projects that manifest positive change. We draw on an experienced team of 14 public relations practitioners who work tirelessly to exceed our clients' goals.

#### Van Dyke Horn – Our Approach

Van Dyke
Horn has worked in close partnership with organizations and coalitions to deliver integrated and impactful communications campaigns in support of public policy and ballot initiatives. Our current partnership with the City of Birmingham perfectly positions us to provide strategic counsel and implementation leading to the approval of a potential bond proposal to support continued improvements and upgrades to Birmingham's public parks and athletic facilities.

Should the Birmingham City Commission approve a parks bond proposal for the November ballot, we will have about three months to plan and launch a public information campaign. We should plan on a somewhat compressed timeline given an apparent strong trend toward absentee voting this year. The campaign will be sequenced as follows:

#### **Research and Key Messaging**

Van Dyke

Horn will work independently and with support from the Birmingham team to gather research-based information on the benefits of public parks and greenspaces from a range of perspectives. For example:

- The effects of strong public parks on home values
- The effects of strong public parks/athletic facilities on individual and community quality of life
- Use of public parks across the age spectrum
- Positive effects of green space on physical and mental health
- Usage data on Birmingham public parks
- Simple explanation of the bond proposal, its effect on the individual homeowner, its impact on City finances and the total investment in parks and public spaces
- Data on the impact of bond approval on an individual tax bill

We will use the data to develop clear and compelling messages in support of the bond, which will be used in interviews and speeches and featured on fact sheets, informational materials, press releases and social media posts.

#### **Endorsements**

Maintaining and improving City parks is an initiative that should attract widespread support. This is especially true because the parks bond proposal will follow the retirement of a previous bond limiting additional financial exposure, and parks are spread throughout the community, benefitting residents and businesses. In conjunction with the research effort, Van Dyke Horn will immediately work to gather endorsements from across the community to illustrate widespread support for the proposal and minimize opposition. Starting with the Mayor and City Commission, we will work to secure support from the Birmingham Shopping District and its members, civic organizations such as The Community House, neighborhood associations, the Birmingham Public School District, Birmingham Youth Assistance, NEXT, Birmingham sports and athletic associations and the Birmingham YMCA. As we secure endorsements, we will also work with each organization to ensure additional support through social media, placards and signage, emails to supporters and coverage in newsletters.

#### **Parks Master Plan**

Birmingham's Department of Public Services has developed a multi-year plan for improving parks, green spaces and athletic facilities. Van Dyke•Horn will work with the Birmingham team to develop a brief, informational brochure on the parks plan and its timeline. Research and data on the value of parks will help frame the document and provide strong support for a *yes* vote. The plan document will be prominently featured on the city's website. Electronic and print copies will be provided to every neighborhood association and copies will be available by request at City Hall and in the Public Services Office. We will work with the Birmingham team to ensure this information is posted to the website and updated as needed.

#### **Materials Development and Distribution**

Working within an established production/distribution budget, Van Dyke
Horn will develop educational materials that will illustrate the advantages of improving City parks. Because this is a single, community-based effort, we would tend toward communications tools that reach people in their homes and neighborhoods such as direct mail and lawn signs. We will be dealing with a crowded political environment leading up to November 3, so it's important to keep this initiative local and positive, demonstrating broad-based community support whenever possible. Because of cost and clutter, we would limit paid advertising to small, local publications but would develop a print ad template that could be dropped into school, church and organizational newsletters at low or no-cost. Based on budget, we would likely concentrate direct mail in September and October. Based on cost and distribution, lawn signs could be made available immediately after Labor Day. We will manage materials distribution to ensure that every Birmingham household receives at pro-park messages throughout late September and October.

#### **Social Media and Email**

Because we work so closely with Birmingham's social media program Van Dyke
Horn is acutely aware of its reach and influence. We will work pro-parks, educational messaging into the established social media calendar on a weekly basis upon approval of the campaign and increase frequency in the months of September and October. We might ask Mayor Boutros to return to social media to help the educational effort, and we could consider including other endorsers on social media, as well. We will develop stories for the September and October e-newsletters and the fall print newsletter that highlight research data and financial impact, and, more importantly, tell stories from Birmingham community members about the importance of neighborhood parks and green spaces. Van Dyke
Horn will use the targeted city emails to promote neighborhood-specific parks improvement, while stressing that parks across the community will benefit. Similarly, we will use the targeted email "affinity" groups to disseminate specific messaging about parks and athletic facilities and the need to support them. We may recommend a limited social media advertising buy, but Birmingham's social media program is well-established locally, and we don't foresee the need for extensive on-line advertising.

#### **Media Relations**

Van Dyke

Horn will develop a news release and fact sheet on the bond proposal and distribute it to local media. We will conduct targeted follow-up with local publications that are likely to reach voters at home – the Birmingham Bloomfield Eagle, Hometown Life, Downtown Publications, the Oakland Press

and Birmingham Life. We will work with these publications to secure coverage of the issue and an endorsement of the bond proposal if endorsements are published.

We also will provide the press release and fact sheets to larger publications such as the Detroit Free Press and the Detroit News and to the major broadcast outlets in the area, but our focus is local and the bulk of our efforts will engage those media outlets.

Van Dyke

Horn also will seek out opportunities to place op-ed pieces and letters to the editor in local media. We can work with endorsers, residents and subject matter experts (real estate values, health benefits of parks) to develop these pieces that will both educate the public and encourage support.

#### **Celebrate Birmingham Parks!**

If we are able to gather in a socially responsible manner later this summer or in September, we may consider hosting an event(s) to celebrate Birmingham parks. We could work with Birmingham yoga studios to host yoga classes or local gyms could host fitness activities. The event(s) would be free and at the opening we would provide a brief information session on the parks bond and the importance of parks in our community. Lawn signs could be made available for distribution along with educational information on parks. We would work with the Department of Public Services to identify the features and amenities available in the host park(s) and remind attendees of the many outdoor opportunities available to them within Birmingham.

#### **Get Out the Vote**

As part of our final push to ensure passage and promote voting, we will develop a plan for a coordinated social media campaign and support the effort with volunteer phone banking in the final days of October. Using voter rolls provided by the City Clerk, we will ask volunteers to call Birmingham residents to remind them to vote on Tuesday, November 3 and encourage them to vote for the parks bond. Van Dyke•Horn will develop a simple script for callers. Calls can be made from home or we can coordinate a phone bank at Shain Park, which will allow for social distancing and promote the bond proposal at the same time. This final push will promote the issue to those who have yet to vote and allow us to thank those who have already voted for exercising their civic responsibility.

#### Thank You Voters!

Following the successful campaign, Van Dyke Horn will work with the Birmingham communications team on a coordinated social media/email/newsletter campaign to thank voters for their support and point to parks projects planned in 2021. Budget and locations permitting, we can also post thank-you banners in some or all City parks.

#### **Tracking Our Efforts**

Van Dyke

Horn will take a layered approach tracking each communications initiative and its target audience to ensure that we have reached every Birmingham neighborhood. We will work with neighborhood associations and our endorsers to ensure that they are engaged and reaching their

audiences effectively. While we don't anticipate the budget or need to do polling, we will track social media "likes" and reactions to gauge acceptance of the proposal as we move through the campaign toward Election Day. We also will track any organized opposition throughout the campaign and working actively to rebut negative comments about the proposal.

Working with the Birmingham team, Van Dyke

Horn will develop a regular schedule of update meetings/calls to ensure that you are continually informed of campaign milestones and progress. We will provide you with a full campaign report at the end of the initiative.

#### Van Dyke Horn – Cost Proposal

Because we have been working with Birmingham and continue to manage your social media efforts, Van Dyke

Horn can begin work immediately and efficiently to educate the public on the bond proposal. Pending commission approval, we would hope to begin concept development in mid-July and work through the final report on or before November 20. We propose a project fee of \$30,000 to cover the 17-18 week campaign. That fee covers our consulting services, development of campaign themes, slogans and text materials and supervision of materials development. Graphic design, printing, photography and video are billed separately as indicated below. Because of the tight timeline and lean budget, we will engage the Birmingham communications team for support as needed. We will also track hours carefully and work with you to ensure that the core initiatives are managed successfully,

#### **Out-of-Pocket Expenses**

Agency's routine out-of-pocket expenses—for items such as photocopies, incidental postage, faxes, telephone calls and the like—will be covered as part of professional service fees.

Significant out-of-pocket expenses, including but not limited to: PR Newswire and media, copying costs (in excess of 10 pieces at \$.59 per copy), postage charges (in excess of 10 pieces), telephone charges and mileage (\$.50 per mile), travel and lodging are reimbursable expenses and will be billed in addition to professional fees. Expenses in excess of \$250 will be submitted to the client as an "expense authorization" for prior approval. All billable expenditures will include a 15 percent handling fee. Any large items ordered by our agency under your direction and authorization will be billed directly to you.

#### **Production Costs**

Professional service fees do not cover production costs, such as graphic design and artwork charges, photography, audio-visual, printing, catering charges, purchasing advertising time or space, film and video production and entertainment. Production costs are reimbursable expenses and will be described in an "expense authorization" that will be submitted to you for prior approval and billed in addition to the professional fees.

#### **Conditions**

Van Dyke

Horn has devised many successful communication and media strategies for our clients, and we will strive to devise the most effective campaign for this development; however, with the uncertainty of media response we cannot guarantee results.

Our agency agrees to respond quickly to client inquiries whether by telephone, in person, fax or email. Our agency recognizes the need to maintain the confidentiality of information, work papers and reports, if and when provided to our agency by the City of Birmingham and agrees to take the necessary steps to preserve all confidentiality.

#### **Modifications of Agreement**

This document is intended to be a full and complete agreement between both parties. This agreement can be modified only in writing, signed by both parties.

#### Services Agency will not provide

Van Dyke

Horn will not participate in any activities we determine to be immoral, illegal or in violation of the Public Relations Society of America's code of professional standards.

Your signature below will authorize our relationship. Please mail or fax to us a signed agreement and keep the other for your files.

Joe Valentine City of Birmingham Peter Van Dyke

Van Dyke●Horn Public Relations



### **MEMORANDUM**

Office of the City Manager

**DATE:** July 10, 2020

TO: City Commission

FROM: Joseph A. Valentine, City Manager

SUBJECT: Request for Closed Session – Attorney-Client Privilege

It is requested that the city commission meet in closed session to discuss an Attorney/Client communication pursuant to Section 8(h) of the Open Meetings Act.

#### SUGGESTED RESOLUTION:

1. To meet in closed session to discuss an Attorney/Client communication pursuant to Section 8(h) of the Open Meetings Act.

(A roll call vote is required and the vote must be approved by a 2/3 majority of the commission. The commission will adjourn to closed session after all other business has been addressed in open session and reconvene to open session, after the closed session, for purposes of taking formal action resulting from the closed session and for purposes of adjourning the meeting.)

Eleanor "Coco" Siewert 576 Abbey Birmingham, MI 48009 248.642.7024 e.siewert@wayne.edu

To: Mayor Pierre Boutros

From: Eleanor Siewert

Re: Question on Motion to Close Debate

Date: June 16, 2020

While watching the Birmingham City Commission meeting on June 8, 2002 I noted there were questions regarding calling the question or the motion to close debate. The Commission's adopted rules include the fact that the Commission operates according to *Robert's Rules of Order Newly Revised*, except when the Commissions own rules take precedence. In this case the Commission does not have an adopted rule on calling the question so Robert's prevails.

The request to call the question cannot interrupt a person who is speaking. It does require a second and a two-thirds vote to be adopted. If a Commissioner calls the question the chair may ask "Is there any objection to stopping debate?" If there is no objection the chair would then take the vote on the main issue under consideration. However, if even one member says they object to stopping debate then the chair must ask for a second and take the two-thirds vote. It is very important to note this is not a debatable motion. Once the process starts no member can continue discussion. If the vote on the motion to stop debate fails, then the discussion on the main motion may resume.

On another issue, as a reminder I noted the following sentence in the adopted Commission *Rules of Procedure*. "Any Commissioner who abstains from voting on a motion, shall state, for the record, at the outset of the discussion, both his or her intention to abstain and reason for doing so."

If it any time, you or any member of the Commission would like to have a refresher or practice any aspect of parliamentary procedure I would be pleased to assist.



#### Re: Follow up - HELP NEEDED FROM COMMISSIONERS

Joe Valentine <Jvalentine@bhamgov.org>

Thu, Jul 2, 2020 at 4:54 PM

To: Adam Wolf <adamwolf732@yahoo.com>

Cc: Mark Gerber <Mgerber@bhamgov.org>, "pboutros@bhamgov.org" <pbody>elonge@bhamgov.org>, "tlonge@bhamgov.org>, "tlonge@bhamgov.org" <tlonge@bhamgov.org>, "rackyhoff@hotmail.com" <rackyhoff@hotmail.com>, "bhost@bhamgov.org" <bhoost@bhamgov.org" <bhoost@bhamgov.org>, "mnickita@bhamgov.org" <mnickita@bhamgov.org>, "ssherman@bhamgov.org" <ssherman@bhamgov.org>

Mr. Wolf,

Thank you for your communication requesting a waiver of the penalty provisions in the City Ordinance. I will add your communication to the next City Commission meeting on July 13th so they have the opportunity to discuss it at that time.

Enjoy the holiday weekend.

Best regards, Joe Valentine

On Thu, Jul 2, 2020 at 4:38 PM Adam Wolf <adamwolf732@yahoo.com> wrote:

Thank you Mark for the response.

#### City Commissioners,

Per the note below. Mr. Gerber has informed me his role of Director of Finance/Treasurer is not empowered to waive a 15% fee on the cape seal bill. He stated I needed to share my dispute with each of you to address this situation. As I discussed with Theresa and Mark, my wife attempted to pay this in person and was turned away due to the Birmingham office not supporting visitors during Covid. In turn this was mailed in and check dates 6/9/20. The check was mailed back to me and I was informed of the penalty as it was not opened prior to the requested 6/10/20 date. This is the first time I have experienced a municipality who turns away payment to only allow it to be paid later with a penalty. Given these times as well as the attempt to pay on time, I request the Commissioners to waive the 15% fee. I appreciate your support and assistance. Any questions please let me know.

I hope you have a safe holiday weekend.

Thank you,

Adam

Mr. Wolf:

Per our discussion earlier today, the only individuals who can change a city ordinance are the city commissioners.

Below are their names and emails per your request:

Pierre Boutros, Mayor phoutros@bhamgov.org
Therese Longe, Mayor Pro-Tem tlonge@bhamgov.org
Clinton Baller, Commissioner challer@bhamgov.org
Rackeline Hoff, Commissioner rackyhoff@hotmail.com
Brad Host, Commissioner bhost@bhamgov.org
Mark Nickita, Commissioner mnickita@bhamgov.org
Stuart Lee Sherman, Commissioner ssherman@bhamgov.org

Unless the city commission takes action to waive the penalty, you will be responsible for the 15% penalty.

Best regards,

On Thu, Jul 2, 2020 at 11:38 AM Adam Wolf <adamwolf732@yahoo.com> wrote:

Hi Mark,

Thank you for the time on the phone. As discussed we need to remove the 15% penalty on the bill for the cape seal. This bill was attempted to be paid in person prior to the deadline but my wife was turned away due to Birmingham office not allowing visitors due to Covid. It was then placed in the mail and check dated 6/9. The payment was mailed back by the Treasurer's office for arriving after the due date. As discussed I am happy to continue to pay the cape seal fee and you advised to do this on my tax bill. We need to remove the 15% penalty. Please provide the email of each person empowered to waive this fee so we can finalize this action. I appreciate your prompt response.

Thank you for your support, Adam

Mark Gerber, CPA
Finance Director/Treasurer
City of Birmingham
151 Martin Street
PO Box 3001
Birmingham, MI 48012-3001
(248) 530-1814 phone
(248) 530-1090 fax

#### Joseph A. Valentine

City Manager
City of Birmingham
151 Martin Street
Birmingham, MI 48009
(248) 530-1809 Office Direct
(248) 530-1109 Fax
jvalentine@bhamgov.org

Twitter: @JoeValentine151

To get the latest information regarding the City of Birmingham, please sign up for our communication tools by clicking here www.bit.ly/bhamnews.

Sec. 94-12. - Lien until paid.

- (a) All special assessments, including installment payments, shall, from the date of the confirmation thereof, constitute a lien on the respective lots or parcels assessed, and until paid shall be charged against the respective owners of the lots or parcels assessed.
- (b) The city treasurer shall annually, on May 1, certify any delinquent special assessment, or any part thereof, together with all accrued interest and penalty, to the commission; and, it shall be transferred and reassessed, with an additional 15 percent penalty, on the next annual city tax roll. Such charges so assessed shall be collected in the same manner as general city taxes.

(Ord. No. 1637, 3-24-97; Ord. No. 1834, 4-19-04)



# NOTICE OF INTENTION TO APPOINT TO THE ADVISORY PARKING COMMITTEE

At the regular meeting of Monday, August 10, 2020, the Birmingham City Commission intends to appoint three regular members to the Advisory Parking Committee to serve three-year terms expiring September 4, 2023 (a large retail representative, a downtown employee member, and a restaurant owner), and two alternate members to serve a three-year term to expire 9/4/2023.

Interested citizens may submit an application available at the City Clerk's Office or online at <a href="https://www.bhamgov.org/boardopportunities">www.bhamgov.org/boardopportunities</a>. Applications must be submitted to the City Clerk's Office on or before noon on Wednesday, August 5, 2020. These documents will appear in the public agenda for the regular meeting at which time the City Commission will discuss recommendations, and may make nominations and voter on appointments.

#### **Committee Duties**

The Advisory Parking Committee shall provide guidance to the City Commission in the management of Birmingham's Auto Parking System. The Committee shall recognize parking requirements of the CBD and fairly assess the costs to users. It will provide for attractive, maintained and safe facilities.

Criteria/Qualifications of Open Position	Date Applications Due (by noon)	Date of Interview
<ul> <li>One member shall be a large retail representative in parking assessment district.</li> <li>One member shall be a downtown employee member.</li> <li>One member shall be a restaurant owner within the parking assessment district.</li> <li>The alternate members shall own property, own a business or work in the parking assessment district.</li> </ul>	08/05/2020	8/10/2020

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.





tcurrier@bhlaw.us.com Telephone (248) 645-9400 Fax (248) 645-9344

July 1, 2020

Mr. Joseph A. Valentine, City Manager *City of Birmingham* 151 Martin Street, P.O. Box 3001 Birmingham, MI 48012-3001

Re: Roberts Rules of Order and the Appropriate Time to Make Motions

Dear Mr. Valentine:

I understand that at the City Commission meeting of June 22, 2020 an issue was raised as to when is an appropriate time for a motion to be brought forward for consideration of the Commission. In this regard, I have reviewed the Commission's Rules of Procedure which state with respect to conduct of business as follows:

"Commission meetings shall be governed by the rules contained in the most recent edition of <u>Roberts Rules of Order</u>, <u>Newly Revised</u>, in all instances in which they are applicable and not inconsistent with the statutes of the United States or the State of Michigan or with the charter or adopted by the City of Birmingham or these Rules of Procedure. Commissioners should be recognized by the presiding officer before speaking."

The City, therefore, has formally adopted Roberts Rules of Order for purposes of governing the method by which it shall conduct business. Roberts Rules of Order provides that in the process of establishing an agenda the following:

"Sessions of permanently organized bodies usually follow an established *order of business* that specifies the sequence in which certain general types or classes of business are to be brought up or permitted to be introduced. If the assembly has no binding order of business, any member who obtains the floor (see pp. 29-31) can introduce any legitimate matter he desires (within the objects of the organization as defined in its by-laws) at any time when no business is before the assembly for consideration. A society may follow the order of business given in the manual that the bylaws of the organization designate as its parliamentary authority, or it may have adopted its own particular order of business."

Section 3, Page 25, Roberts Rules of Order, Newly Revised 11th Edition

The City of Birmingham has not formerly established a binding order of business which specifies the sequence in which certain types or classes of business are to be brought up or permitted to be introduced. Therefore, absent such an adoption of the order of business, the City

# Beier Howlett

Mr. Joseph A. Valentine, City Manager July 1, 2020 Page 2

has no binding order of business. Any person that obtains the floor can introduce any matter that he/she desires at any time when no other business is before the Commission for consideration. Therefore, if a motion is proffered during Commissioner comments, it is permissible under Roberts Rules of Order and Birmingham City Commission procedures.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

BEIER HOWLETT, P.C.

Timothy J. Currier Birmingham City Attorney

TJC/jc



June 30, 2020

Joseph Valentine, City Manager City of Birmingham 151 Martin St. PO Box 3001 Birmingham MI 48012

Dear Mr. Valentine,

I am writing to you as a follow-up to our phone conversation last week with Karen Delhey (Executive Director, The Guild of Artists & Artisans) when we all came to the conclusion that moving forward with Art Birmingham in August 2020 is not a feasible choice due to the coronavirus and escalating cases. At the time we spoke, Governor Whitmer had not lifted the restriction of allowing more than 100 to gather outdoors.

Our priority is the safety of all involved – the residents of Birmingham and surrounding communities, as well as artists and public safety personnel.

We look forward to resuming our standard Mother's Day weekend to stage the 2021 Art Birmingham in beautiful Shain Park.

Please convey my appreciation to the Commissioners for the flexibility this year, and thank you for all your assistance.

With best regards,

Annie VanGelderen President & CEO

cc: Karen Delhey

# RECEIVED BY

# STATE OF MICHIGAN BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION NOTICE OF HEARING FOR THE ELECTRIC & GAS CUSTOMERS OF

#### FOR THE ELECTRIC & GAS CUSTOMERS OF CONSUMERS ENERGY COMPANY CASE NO. U-20702

JUN 3 0 2020

CITY CLERK'S OFFICE

- Consumers Energy Company requests Michigan Public Service Commission's approval for authority to reconcile its 2019 Energy Waste Reduction plan costs associated with the plan approved in Case No. U-18261.
- The information below describes how a person may participate in this case.
- You may call or write Consumers Energy Company, One Energy Plaza, Jackson, MI 49201, 517-788-0550 for a free copy of its application. Any person may review the documents at the offices of Consumers Energy Company.
- A pre-hearing will be held:

DATE/TIME:

Wednesday, July 1, 2020 at 10:30 AM

**BEFORE:** 

Administrative Law Judge Kandra Robbins

LOCATION:

Michigan Public Service Commission

7109 West Saginaw Highway Lansing, Michigan 48917

**PARTICIPATION:** 

Any interested person may attend and participate. The hearing site is accessible, including handicapped parking. Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 284-8090 in advance to request mobility, visual, hearing or other

assistance.

The Michigan Public Service Commission (Commission) will hold a pre-hearing to consider Consumers Energy Company's (Consumers Energy) June 1, 2020 application requesting approval to: 1) reconcile its 2019 Energy Waste Reduction (EWR) plan costs; 2) approve the collection of a financial performance incentive payment for both the natural gas and electric EWR plan; 3) approve the conversion of 63,715 EWR Credits into Renewable Energy Credits in 2019 for use in meeting Consumers Energy's renewable energy requirements under Act 295; and 4) other relief.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: <a href="michigan.gov/mpscedockets">michigan.gov/mpscedockets</a>. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: <a href="majoredockets@michigan.gov">mpscedockets@michigan.gov</a>. If you require assistance prior to e-filing, contact Commission staff at (517) 284-8090 or by email at: <a href="majoredockets@michigan.gov">mpscedockets@michigan.gov</a>.

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by June 24, 2020. (Interested persons may elect to file using the traditional paper format.) The proof of service shall indicate service upon Consumers Energy's Legal Department – Regulatory Group, One Energy Plaza, Jackson, MI 49201.

Any person wishing to appear at the hearing to make a statement of position without becoming a party to the case may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter becomes public information, thus available on the Michigan Public Service Commission's website, and subject to disclosure. Please do not include information you wish to remain private.

Requests for adjournment must be made pursuant to Michigan Office of Administrative Hearings and Rules R 792.10422 and R 792.10432. Requests for further information on adjournment should be directed to (517) 284-8130.

A copy of Consumers Energy Company's application may be reviewed on the Commission's website at: <u>michigan.gov/mpscedockets</u>, and at the office of Consumers Energy Company. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 284-8090.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1909 PA 300, as amended, MCL 462.2 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; 2008 PA 295, as amended, MCL 460.1001 et seq., and Parts 1 & 4 of the Michigan Office of Administrative Hearings and Rules, Mich. Admin Code, R 792.10106 and R 792.10401 through R 792.10448.

[THE MICHIGAN PUBLIC SERVICE COMMISSION MAY APPROVE, REJECT, OR AMEND PROPOSALS MADE BY CONSUMERS ENERGY.]

2006-C

CITY CLERK
CITY OF BIRMINGHAM
P.O. BOX 3001, 151 MARTIN STREET
BIRMINGHAM, MI 48012

RECEIVED BY

JUN 3 0 2020

CITY OF BIEMINGHAM

# STATE OF MICHIGAN BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION NOTICE OF HEARING FOR THE ELECTRIC CUSTOMERS OF DTE ELECTRIC COMPANY CASE NO. U-20793

- DTE Electric Company requests Michigan Public Service Commission's approval for reconciliation of its 2019 demand response program costs.
- The information below describes how a person may participate in this case.
- You may call or write DTE Electric Company, One Energy Plaza, 570 SB, Detroit, MI 48226, (800) 477-4747 for a free copy of its application. Any person may review the documents at the offices of DTE Electric Company.
- A pre-hearing will be held:

DATE/TIME: Thursday, July 16, 2020 at 9:30 AM

BEFORE: Administrative Law Judge Sharon Feldman

**LOCATION:** Michigan Public Service Commission

7109 West Saginaw Highway Lansing, Michigan 48917

**PARTICIPATION**: Any interested person may attend and participate. The

hearing site is accessible, including handicapped parking.

Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 284-8090 in advance to request mobility, visual, hearing or other

assistance.

The Michigan Public Service Commission (Commission) will hold a pre-hearing to consider DTE Electric Company's (DTE Electric) June 1, 2020 application requesting the

#### INFORMATION ONLY

Commission to approve: 1) the reconciliation of DTE Electric's Demand Response (DR) program costs for 2019; 2) DTE Electric's 2019 DR reconciliation of actual capital expenditures in the amount of \$14,436,587, which is \$701,494 higher than \$13,735,093 amount authorized by the Commission and the actual Operation & Maintenance expense in the amount of \$405,022, which is \$59,066 higher than the amount authorized by the Commission; 3) DTE Electric's proposal for the adoption of a financial incentive mechanism for the current and future investment in its DR portfolio; 4) DTE Electric's incremental expenditures in DR programs and pilots for the years 2020 – 2022; and 5) any other proposal discussed by Mr. DeKimpe, Mr. Farrell, and Mr. Goyanes in their respective testimonies.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: <a href="mailto:michigan.gov/mpscedockets">michigan.gov/mpscedockets</a>. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: <a href="mailto:mpscedockets@michigan.gov">mpscedockets@michigan.gov</a>. If you require assistance prior to e-filing, contact Commission staff at (517) 284-8090 or by email at: <a href="mailto:mpscedockets@michigan.gov">mpscedockets@michigan.gov</a>.

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by July 9, 2020. (Interested persons may elect to file using the traditional paper format.) The proof of service shall indicate service upon DTE Electric Company's attorney, David S. Maquera, One Energy Plaza, Detroit, MI 48226.

Any person wishing to appear at the hearing to make a statement of position without becoming a party to the case may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter becomes public information, thus available on the Michigan Public Service Commission's website, and subject to disclosure. Please do not include information you wish to remain private.

Requests for adjournment must be made pursuant to Michigan Office of Administrative Hearings and Rules R 792.10422 and R 792.10432. Requests for further information on adjournment should be directed to (517) 284-8130.

A copy of DTE Electric Company's application may be reviewed on the Commission's website at: <a href="michigan.gov/mpscedockets">michigan.gov/mpscedockets</a>, and at the office of DTE Electric Company. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 284-8090.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and Parts 1 & 4 of the Michigan Office of Administrative Hearings and Rules, Mich. Admin Code, R 792.10106 and R 792.10401 through R 792.10448.