

HIGHWAY WORK PROPOSAL – RAZING AND REMOVING

Wisconsin Department of Transportation
DT1502 10/2010 s .66.29(7) Wis. Stats.

Proposal Number:

Ø 1

COUNTY	STATE PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Milwaukee	1229-04-21, Parcels 2, 4, 6	I-43 North South Freeway Silver Spring to STH 60	USH 43
Milwaukee	1229-04-24, Parcel 9	I-43 North South Freeway Silver Spring to County Line Rd	USH 43

This proposal, submitted by the undersigned bidder to the Wisconsin Department of Transportation, is in accordance with the advertised request for proposals. The bidder is to furnish and deliver all materials, and to perform all work for the improvement of the designated project in the time specified, in accordance with the appended proposal requirements and conditions.

Proposal guaranty required, \$ 20,000

Payable to: Wisconsin Department of Transportation

Attach Proposal Guaranty.

Bid submittal due
Date: October 6, 2021
Time (local time): 9:00 a.m.

Firm name, address, city, state, zip

Contract completion time
Forty Five (45) Calendar Days

Assigned disadvantaged business enterprise goal
0 %

This contract is exempt from federal oversight.

This certifies that the undersigned bidder, duly sworn, is an authorized representative of the firm named above; that the bidder has examined and carefully prepared the bid from the plans, Highway Work Proposal, and all addenda, and has checked the same in detail before submitting this proposal or bid; and that the bidder or agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal bid.

Do not sign, notarize or submit this highway work proposal when submitting an electronic bid on the internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

(Print or Type Name, Notary Public, State Wisconsin)

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

For Department Use Only

Type of Work
Razing and Removing

Notice of award dated

Date guaranty returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

NOT FOR BIDDING PURPOSES

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

The bidder, signing and submitting this proposal, agrees and declares as a condition thereof, to be bound by the following conditions and requirements.

If the bidder has a corporate relationship with the proposal design engineering company, the bidder declares that it did not obtain any facts, data, or other information related to this proposal from the design engineering company that was not available to all bidders.

The bidder declares that they have carefully examined the site of, and the proposal, plans, specifications and contract forms for the work contemplated, and it is assumed that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of the specifications, special provisions and contract. It is mutually agreed that submission of a proposal shall be considered conclusive evidence that the bidder has made such examination.

The bidder submits herewith a proposal guaranty in proper form and amount payable to the party as designated in the advertisement inviting proposals, to be retained by and become the property of the owner of the work in the event the undersigned shall fail to execute the contract and contract bond and return the same to the office of the engineer within fourteen (14) days after having been notified in writing to do so; otherwise to be returned.

The bidder declares that they understand that the estimate of quantities in the attached schedule is approximate only and that the attached quantities may be greater or less in accordance with the specifications.

The bidder agrees to perform the said work, for and in consideration of the payment of the amount becoming due on account of work performed, according to the unit prices bid in the following schedule, and to accept such amounts in full payment of said work.

The bidder declares that all of the said work will be performed at their own proper cost and expense, that they will furnish all necessary materials, labor, tools, machinery, apparatus, and other means of construction in the manner provided in the applicable specifications and the approved plans for the work together with all standard and special designs that may be designed on such plans, and the special provisions in the contract of which this proposal will become a part, if and when accepted. The bidder further agrees that the applicable specifications and all plans and working drawings are made a part hereof, as fully and completely as if attached hereto.

The bidder, if awarded the contract, agrees to begin the work not later than ten (10) days after the date of written notification from the engineer to do so, unless otherwise stipulated in the special provisions.

The bidder declares that if they are awarded the contract, they will execute the contract agreement and begin and complete the work within the time named herein, and they will file a good and sufficient surety bond for the amount of the contract for performance and also for the full amount of the contract for payment.

The bidder, if awarded the contract, shall pay all claims as required by Section 779.14, Statutes of Wisconsin, and shall be subject to and discharge all liabilities for injuries pursuant to Chapter 102 of the Statutes of Wisconsin, and all acts amendatory thereto. They shall further be responsible for any damages to property or injury to persons occurring through their own negligence or that of their employees or agents, incident to the performance of work under this contract, pursuant to the Standard Specifications for Road and Bridge Construction applicable to this contract.

In connection with the performance of work under this contract, the contractor agrees to comply with all applicable state and federal statutes relating to non-discrimination in employment. No otherwise qualified person shall be excluded from employment or otherwise be subject to discrimination in employment in any manner on the basis of age, race, religion, color, gender, national origin or ancestry, disability, arrest or conviction record (in keeping with s.111.32), sexual orientation, marital status, membership in the military reserve, honesty testing, genetic testing, and outside use of lawful products. This provision shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship. The contractor further agrees to ensure equal opportunity in employment to all applicants and employees and to take affirmative action to attain a representative workforce.

The contractor agrees to post notices and posters setting forth the provisions of the nondiscrimination clause, in a conspicuous and easily accessible place, available for employees and applicants for employment.

If a state public official (section 19.42, Stats.) or an organization in which a state public official holds at least a 10% interest is a party to this agreement, this contract is voidable by the state unless appropriate disclosure is made to the State of Wisconsin Ethics Board.

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

Proposal Number	Project Number	Letting Date
Name of Principal		
Name of Surety	State in Which Surety is Organized	

We, the above-named Principal and the above-named Surety, are held and firmly bound unto the State of Wisconsin in the sum equal to the Proposal Guaranty for the total bid submitted for the payment to be made; we jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. The condition of this obligation is that the Principal has submitted a bid proposal to the State of Wisconsin acting through the Department of Transportation for the improvement designated by the Proposal Number and Letting Date indicated above.

If the Principal is awarded the contract and, within the time and manner required by law after the prescribed forms are presented for signature, enters into a written contract in accordance with the bid, and files the bond with the Department of Transportation to guarantee faithful performance and payment for labor and materials, as required by law, or if the Department of Transportation shall reject all bids for the work described, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect. In the event of failure of the Principal to enter into the contract or give the specified bond, the Principal shall pay to the Department of Transportation **within 10 business days of demand** a total equal to the Proposal Guaranty as liquidated damages; the liability of the Surety continues for the full amount of the obligation as stated until the obligation is paid in full.

The Surety, for value received, agrees that the obligations of it and its bond shall not be impaired or affected by any extension of time within which the Department of Transportation may accept the bid; and the Surety does waive notice of any such extension.

IN WITNESS, the Principal and Surety have agreed and have signed by their proper officers and have caused their corporate seals to be affixed this date: **(DATE MUST BE ENTERED)**

PRINCIPAL

(Company Name) **(Affix Corporate Seal)**

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

(Name of Surety) **(Affix Seal)**

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

IMPORTANT: A certified copy of Power of Attorney of the signatory agent must be attached to the bid bond.

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

Time Period Valid (From/To)	
Name of Surety	
Name of Contractor	
Certificate Holder	Wisconsin Department of Transportation

This is to certify that an annual bid bond issued by the above-named Surety is currently on file with the Wisconsin Department of Transportation.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the annual bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing surety will give thirty (30) days written notice to the certificate holder indicated above.

(Signature of Authorized Contractor Representative)

(Date)

NOT FOR BIDDING PURPOSES

March 2010

LIST OF SUBCONTRACTORS

Section 66.0901(7), Wisconsin Statutes, provides that as a part of the proposal, the bidder also shall submit a list of the subcontractors the bidder proposes to contract with and the class of work to be performed by each. In order to qualify for inclusion in the bidder's list a subcontractor shall first submit a bid in writing, to the general contractor at least 48 hours prior to the time of the bid closing. The list may not be added to or altered without the written consent of the municipality. A proposal of a bidder is not invalid if any subcontractor and the class of work to be performed by the subcontractor has been omitted from a proposal; the omission shall be considered inadvertent or the bidder will perform the work personally.

No subcontract, whether listed herein or later proposed, may be entered into without the written consent of the Engineer as provided in Subsection 108.1 of the Standard Specifications.

[illegible]

DECEMBER 2000

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS**

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.
4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.
7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR-1273 - "Required Contract Provisions Federal Aid Construction Contracts," without

modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

- (1) The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

Special Provisions

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SPECIAL PROVISIONS

1. General.

The work under this contract for the construction of the following projects in Wisconsin:

Project ID 1229-04-21, Parcels 2, 4, 6; I-43 North South Freeway; Silver Spring to STH 60; IH 43; Milwaukee County

Project ID 1229-04-24, Parcel 9; I-43 North South Freeway; Silver Spring to County Line Rd; IH 43; Milwaukee County

Perform the work under this construction contract as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction 2021 Edition and these special provisions including the Additional Special Provisions (ASP's).

This Razing and Removing Proposal has been developed under the U.S. standard measure system.

The Standard Specifications for Highway and Structure Construction 2021 Edition is available for browsing, download, or to place an order for a hard copy at:

<http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/stnds-spec.aspx>

Those who do not have access to the web may order a hard copy of the specifications through:

WI Department of Administration - Document Sales and Distribution Section
202 S. Thornton Avenue, PO Box 7840, Madison WI 53707-7840
Phone: (608) 266-3358

2. Scope of Work.

The work under this contract consists of razing and removing four residential homes and a utility shed, outbuildings, fences and clearing and grubbing of trees, shrubs and other landscaping within the immediate area. Grading vacant site where these improvements were removed. Do not disturb adjacent or surrounding property.

Work under this contract includes razing and removing buildings, disposing of all material and debris, removing all miscellaneous land improvements, if any, placing compacted backfill in the exposed basements and openings resulting from the removal of the buildings, and grading the vacant site. (See Parcel Exhibits included in this proposal.) Do not disturb adjacent property.

Keep the abutting highway free of debris and mud throughout performance of the work under this contract.

Abandon the present sanitary sewer or septic system and water systems in accordance with current statutes, ordinances and regulations. If a well is present on the parcel, it must be abandoned per NR 812.26, Wisconsin Administrative Code.

Plank with suitable timbers the public streets and highways, which serve as access for heavy equipment, to preclude any damages to said facilities. Repair all damages to these public facilities or replace them with like materials at contractor expense.

Maintain all roads, highways, or public places adjacent to any building or buildings being razed or removed, in a debris or litter-free condition throughout the life of this contract.

However, should the use of the above highways be required for razing or backfilling operations, erect splashboards or reflector panels and place warning signs at appropriate locations to protect the general public.

Raze and remove the improvements and backfill the resulting exposed openings at the following locations:

<u>Project</u>	<u>Parcel</u>	<u>Type of Building</u>	<u>Address</u>
1229-04-21	2	Razing and removing a 1,379 SF home with a two-car attached garage. Access walks, curbs, concrete driveway, patios, and steps. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.	6374 N. Port Washington Road, Glendale, WI 53217

Clearing and grubbing of all surrounding landscaping.

Utility disconnects should be done prior by WisDOT.

1229-04-21	4	<p>Razing and removing a One story, 2,113 SF single family house with two car attached garage. Enclosed porch, concrete patio, concrete driveway, access walks, curbs and steps. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.</p> <p>Clear and grub all landscaping as shown in the exhibits.</p> <p>Utility disconnects shall be done prior by WisDOT.</p>	<p>320 W. Brentwood Lane, Glendale, WI 53217</p>
1229-04-21	6	<p>Razing and removing a Cape Cod style 1.5 story, 1,744 SF single family house with two car attached garage. Concrete patio, concrete driveway, access walks, curbs and steps. Potential abandoned well on property per previous owner but not verified by the DOT that would need complete removal. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if</p>	<p>318 W. Clovernook Lane, Glendale, WI 53217</p>

present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.

Clear and grub all landscaping as shown in the exhibits.

Utility disconnects shall be done prior by WisDOT.

1229-04-24	9	<p>Razing and removing a Cape Cod style 1.5 story, 1,787 SF single family house with two car attached garage and detached shed. Concrete patio, concrete driveway, access walks, curbs and steps. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.</p> <p>Clear and grub all landscaping as shown in the exhibits.</p> <p>Utility disconnects shall be done prior by WisDOT.</p>	<p>330 W. Apple Tree Road, Glendale, WI 53217</p>
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Perform the following:

1. Remove the structures from the premises.
2. Remove and dispose of all asbestos and hazardous materials in compliance with this contract and current local, state, and federal guidelines and laws, including asbestos not discovered in the pre-razing inspections included in these specifications. The most recent edition of any applicable standard, code, or regulation shall be in effect. Where conflict among the requirements of these specifications occurs, follow the most stringent. Only a qualified and certified asbestos removal contractor shall perform the removal of asbestos. If not licensed to remove asbestos, employ a certified subcontractor to perform this work. An inspection report for each building

indicating the presence or absence of asbestos in exposed positions of the structure is included in this proposal, unless otherwise indicated.

3. Clear and grub all trees/roots, shrubs and other landscaping within the highlighted areas as shown in the exhibits.
4. Conduct all demolition, removal, and backfilling operations in such a manner that all conflicts with vehicular traffic on adjacent streets and highways are avoided. Use barricades or fencing, or both, when needed to guarantee the safety of pedestrians or motorists.
5. Backfill material must be clean granular or earthen materials placed and compacted in lifts of 1-foot maximum depth and compact each lift 90 percent of maximum density as determined by ASTM D698.
6. Site restoration: A minimum of 5 inches of clear topsoil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control materials.

3. Prosecution and Progress.

Begin work within ten calendar days after the engineer issues a written notice to do so.

Give definite notice of intention to start work to the Wisconsin Department of Transportation, Southeast Region, Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187, Phone 414-327-2607, at least 72 hours in advance of beginning work.

In the event that some structures are not vacant and available when the order to start is issued, begin work on the parcels that are vacant and available, and continue with operations until the available structures have been razed or removed, the resulting exposed basements removed in their entirety and removed from the site, and all openings backfilled. Notify the department's representative when the vacated and available structures have been removed and the exposed openings backfilled. Suspend operations until the remaining structures become vacant and available; contract time will not be charged during such period of suspension. Resume work within ten days after the date the department representative has issued a written order to do so. In the event that a structure or structures are not available to the contractor within a period of 270 days subsequent to the execution of the contract by the State, due to their occupancy or other circumstances, the contractor may have the option to request release of said unavailable structure or structures from the contract.

On those contracts executed under Option B, the contractor may, after the expiration of the period defined above, request the deletion of a parcel or parcels from the group in the contract. The deletion of a parcel or parcels shall be accomplished by contract change order negotiated at the price listed for such parcel in the contract.

However, should the contractor submit his bid under Option A, in which payment is made to the State by the contractor, and the above unavailable conditions should exist, the unavailable parcel or parcels shall be deleted from the contract. The unavailable parcel or parcels shall be released from the contract at no expense to the State, except for the return of the money in the amount or amounts entered and submitted for said parcel or parcels under contract change order.

The contract time affected by the deletion of the parcel or parcels will be terminated on the date of the last suspension date of the completion of the work of the last structure or structures.

Unless otherwise specifically provided, no additional or extra compensation or additional contract time will be allowed due to deferment or suspension of operations.

Should the contractor, whether the bid is submitted under Option "A" or Option "B", fail to complete the work within the time agreed upon in the contract or within such extra time as may be allowed by extension, there shall be liquidated damages deducted from any monies due the contractor, for each and every calendar day, including Sundays and holidays, that the work shall remain uncompleted, in accordance with standard spec 108.11. The sum shall be considered and treated not as a penalty, but as fixed, agreed, and liquidated damages due the State from the contractor by reason of inconvenience to the public, added cost of engineering and supervision, and other items that have caused an expenditure of public funds resulting from the failure to complete the work within the time specified in the contract.

Permitting the contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, shall in no way operate as a waiver on the part of the department of any of its rights under the contract.

4. Proposal Requirements and Conditions.

Standard spec 102.1, Prequalifying Bidders, shall not apply to this contract; however, prior to awarding a contract, the department may require the bidder to produce evidence that he, she or it has performed work of a similar character in a satisfactory manner.

5. Subletting or Assignment of Contract.

Standard spec 108.1, which prescribes the minimum amount of work to be performed with the contractor's own organization, shall not apply to this contract. However, if a subcontractor (including, but not limited to, asbestos removal specialists) will be employed, the bidder shall attach the name, address and specialty of that contractor to the page of the bid in the spaces indicated for that use.

6. Award of Contract.

The department will consider the bids submitted in the proposal and reserve the right to award the work on the basis of lowest responsible bidder, meeting all terms and conditions of these specifications.

7. Cancellation of Contract.

In the event the building(s) should be so severely damaged by fire, windstorm, or other act of God as to materially impair the salvage value of the material contained therein after the bid has been made and submitted on the date and hour set forth and before the contract has been executed by the state and the contractor notified thereof, the contractor may file a request for the cancellation of the contract. If, upon finding by the department that such is the fact, the department will cancel the contract and relieve the contractor of all responsibility there under.

In the event, however, that the department should determine that such damage is only minor or inconsequential, the contractor will be required to fulfill the terms of this contract.

8. Standard Insurance Requirements.

Standard insurance requirements shall be in accordance with standard spec 107.26 and as hereinafter provided.

If this project includes only razing and removing of residential units, revise the insurance table provided in paragraph 1 of standard spec 107.26 as follows:

Type of Insurance	Minimum Limits Required*
1. Commercial General Liability Insurance; shall be endorsed to include blanket contractual liability coverage.	\$2 Million Combined Single Limits per Occurrence; may be subject to an Annual Aggregate Limit of not less than \$2 Million.
2. Workers' Compensation and Employer's Liability Insurance.	Workers' Compensation: Statutory Limits Employer's Liability: Bodily Injury by Accident: \$100,000 Each Accident Bodily Injury by Disease: \$500,000 Each Accident \$100,000 Each Employee
3. Commercial Automobile Liability Insurance; shall cover all contractor-owned, non-owned, and hired vehicles used in carrying out the contract.	\$1 Million-Combined Single Limits Per Occurrence.

**The contractor may satisfy these requirements through primary insurance coverage or through a combination of primary and excess/umbrella policies.*

9. Traffic.

Maintain pedestrian and vehicular traffic on the roads and highways adjacent to these premises through the life of this contract.

10. Legal Relations and Responsibility to the Public.

Add the following to standard spec 107.3:

Procure all permits necessary to carry out the work, including those necessary while the roads and highways are obstructed either by operations or by the storage of equipment or materials.

The awarding of this contract does not guarantee the issuance of a permit to move any structures over state highways.

The contractor agrees not to move any of the structures within a proposed highway corridor of the State of Wisconsin.

Add the following to standard spec 107.8:

Notify the local law enforcement agency, fire department, and any surface transportation company that may be affected by the anticipated street obstructions or hazards.

Add the following to standard spec 107.22:

Notify the various public or municipal utility companies to disconnect and remove such of their facilities as may be in the buildings, or attached to them, sufficiently in advance of beginning razing operations to allow the utilities to make their disconnections.

11. Protection of Streams, Lakes and Reservoirs.

Standard spec 107.18 shall apply.

12. Underground Fuel Storage Tanks.

The successful bidder will be supplied with a copy of the Environmental Site Assessment for each parcel for which an assessment was deemed necessary or for sites on which underground storage tanks were removed. A private consultant will remove any tanks discovered during the Environmental Site Assessment before razing activities begin.

If tanks are discovered on the site during razing that were not removed as part of or in the absence of an Environmental Site Assessment, immediately cease razing operations on the site and contact the department. The department will hire a private consultant to remove the discovered tanks.

13. Asbestos Removal.

An asbestos inspection has been completed for the buildings to be demolished. Copies of the inspection reports can be obtained from: WisDOT-DTSD-Southeast Region, Real Estate - Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187, or scott@tva-llc.com.

Comply with the requirements of the Environmental Protection Agency (EPA) regulations, National Emission Standards for Asbestos, the Occupational, Safety and Health Administration (OSHA) regulations on asbestos removal, all applicable Wisconsin Department of Natural Resources (DNR) Department of Health Services (DHS) regulations, and local government regulations. The most recent editions of all applicable standards, codes or regulations shall be in effect. Where conflict among the requirements of these specifications occurs, follow the most stringent. In addition, the following requirements apply to this work:

Any person performing asbestos abatement must comply with all training and certification requirements, rules, regulations and laws of the State of Wisconsin regarding asbestos removal. A copy of the abatement and disposal report must be submitted to: WisDOT-DTSD- Southeast Region, Real Estate- Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187. Or via email: scott@tva-llc.com

Asbestos removal is considered incidental to razing and removing buildings and will not be measured for payment separately.

14. Notice to Department of Natural Resources.

For all buildings to be razed or removed, a notification of demolition and/or Renovation (form 4500-113) and all applicable fees must be provided to the Department of Natural Resources (DNR) and the Wisconsin Department of Health Services (DHS), at least 10 working days before starting the work. A copy of this notice must be submitted to: WisDOT-DTSD-Southeast Region Real Estate - Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187. Or via email : scott@tva-llc.com

Note: Wisconsin DNR Central Office phone: (608) 266-2621 – reference: *DNR Form 4500-113 "Notification of Demolition and/or Renovation and Application for Permit Exemption"*. Wisconsin DHS Asbestos & Lead Section Central Office phone (608) 261-6876 - reference: *DHS Form F-00041 "Asbestos Project Notification"*.

Reference: <http://dnr.wi.gov/topic/Demo/Asbestos.html>

Reference: <http://dhs.wisconsin.gov/waldo>

In the notice to DNR, include the address and type of building(s) to be razed or removed, the proposed date that each will be razed or removed, and the name of the licensed or approved landfill where the demolition waste will be disposed. Mail or email a copy of this notice within ten days of DNR notification to: Email: laura@tva-llc.com Or WisDOT-DTSD-Southeast Region Real Estate - Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187 or scott@tva-llc.com.

The contractor's failure to comply with the requirements of this article shall subject the contractor to a penalty of liquidated damages pursuant to standard spec 108.11. The liquidated damages formula will apply for each day in which the provisions of this article are not met.

The well abandonment subcontractor shall prepare and submit to the DNR the Well Abandonment Report form(s)*, which is required by law in the manner prescribed herein.

Note: Provide copy of the Well Abandonment Report form(s), within 30 days of abandonment, to: WisDOT-DTSD-SE Region - Attn: Scott Dellenbach, PO Box 798, Waukesha, WI 53187.

15. Disposal of Materials.

Add the following to standard spec 104.8:

All salvage removed from the buildings, including fixtures and appurtenances such as screens and storm sash, shall be the property of the contractor and shall be entirely removed from the premises.

Clear the entire premises of all decomposable and combustible refuse, debris, and materials resulting from the removal of the buildings. Upon completion of the work, leave the entire premises in a neat condition. Do not deposit or leave decomposable or combustible refuse, debris, or materials resulting from the removal of the buildings on any state-owned lands, or right-of-way of any highways, including any exposed openings resulting from razing activities.

All living trees, shrubs, evergreens and other vegetation shall remain the department's property. Use care to preserve as much of the landscaping as is reasonably possible.

All hazardous waste, lamps, ballasts, or mercury containing items must be disposed of through the mandatory statewide hazardous waste contract. Follow the procedures in FDM 21-35-35. <https://wisconsin.gov/rdwy/fdm/fd-21-35.pdf#fd21-35-35> Contact information for the hazardous waste disposal vendor is found here: <https://wisconsin.gov/Documents/doing-business/eng-consultants/cns-ltrscs/environment/hazwaste-contacts.pdf>

16. Custody of the Building.

Upon written order by the department representative to commence work, the buildings and surrounding state-owned property shall be under the custody of the contractor. Nothing in this proposal shall be interpreted as setting forth the condition of any building or the appurtenances thereto. Except as otherwise provided herein, it is to be understood that the department accepts no responsibility for the protection of buildings and appurtenances against damages sustained either prior to or subsequent to the time of the letting of the work under this contract. The contractor shall take such measures as are necessary to safeguard the public from damages or injury.

While the buildings are in the contractor's custody, keep the buildings in a closed condition. Do not remove doors or windows from the buildings until the actual day of razing, unless all openings are sealed as approved by the engineer. Only the contractor and his subcontractor shall salvage building components. At all times, do not allow the general public in the buildings or on the grounds.

17. Removing Buildings.

Amend standard spec 204.3.2.3 to allow removal of buildings, by relocation, intact to a new site beyond the right of way limits.

If the contractor elects to move structure(s) from the parcels, regardless if bidding under Option A or B, but fails to remove the structure(s) from the premises by the time set forth earlier in this contract for completion, the contractor shall forfeit any and all rights, title and interest in the structure(s), and the structure(s) and any salvageable materials remaining on the premises shall revert to the ownership and control of the Wisconsin Department of Transportation to dispose of as it sees fit; but nothing shall in any way release the contractor from any of the contractor's duties, obligations or liability under the terms and provisions of this contract. The contractor shall not sell, nor in any manner transfer title of the structure(s) to a third party until the structure(s) is removed from the right-of-way limits.

The department has no knowledge regarding the condition of the structure(s) or their related components. The department cannot and does not warrant the condition of the structure(s) or their components, nor does the department warrant, guarantee, or imply the suitability of the structure(s) for moving.

18. Removal and Razing Operations.

This work shall be in accordance with standard spec 204 and as hereinafter provided.

Furnish all labor, equipment, tools, transportation, and incidentals necessary for the performance of the work.

Remove all concrete steps, concrete sidewalks, and concrete slabs from the premises.

In compliance with the ordinances and permit requirements of the municipality in which the buildings are situated, and in the presence of the local governing unit, a certified/licensed well driller, pump installer or water system operator shall seal or abandon all sewer and water lines and/or wells pursuant to Wisconsin Statute §280.30 and the Natural Resources portion of the Wisconsin Administrative Code covered under NR 811 and 812 and submit a completed abandonment report Per <https://dnr.wisconsin.gov/topic/Wells/FillingSealing.html> with a copy to WisDOT-DTSD-Southeast Region Real Estate - Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187 or scott@tva-llc.com.

Until standing walls have been razed, the walls shall be reasonably and safely braced at all times to ensure complete safety during the wrecking operations.

Break and remove entirely from the site all floors and footings.

Dispose of all non-hazardous demolition waste in a landfill licensed or approved in writing by the Department of Natural Resources and in accordance with NR500, Wisconsin Administrative Code. Failure to properly dispose of solid waste is a violation of State Solid Waste Statutes and Administrative code and is subject to issuance of a citation under Wisconsin Statute §287.81(2)(a).

All hazardous waste, lamps, ballasts, or mercury containing items must be disposed of through the mandatory statewide hazardous waste contract. Follow the procedures in FDM 21-35-35. <https://wisconsin.gov/rdwy/fdm/fd-21-35.pdf#fd21-35-35> Contact information for the hazardous waste disposal vendor is found here: <https://wisconsin.gov/Documents/doing-business/eng-consultants/cns-lt-rsrcs/environment/hazwaste-contacts.pdf>

Remove all material from the premises in a safe manner and in compliance with all applicable laws and ordinances. Do not disturb adjacent property.

19. Backfill.

Prior to any backfill operations, notify the regional office of the Department of Transportation to inspect all exposed areas resulting from the razing and removal operations. Contact Wisconsin Department of Transportation, Southeast Region Real Estate, Attn: Scott Dellenbach, 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187, Phone (414) 327-2607 for this inspection.

Backfill material must be clean granular or earthen materials placed and compacted in lifts of 1-foot maximum depth and compact each lift 90 percent of maximum density as determined by ASTM D698.

Site restoration: A minimum of 5 inches of clear topsoil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control materials.

ADDITIONAL SPECIAL PROVISION 4

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.

Payment to First-Tier Subcontractors

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor is not allowed to withhold retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

NOT FOR BIDDING PURPOSES

Additional Special Provision 6**ASP 6 - Modifications to the standard specifications**

Make the following revisions to the standard specifications:

102.1 Prequalifying Bidders

Replace paragraph two with the following effective with the October 2020 letting:

- (2) Furnish a dated prequalification statement on the department's form at least 10 business days before the time set for the letting to close.

102.6 Preparing the Proposal

Replace the entire text with the following effective with the October 2020 letting:

102.6.1 General

- (1) Submit completed proposals on the department's bidding proposal described in 102.2. Submit legible information only. Write everything in ink, by typewriter, or by computer-controlled printer. Provide all dollar amounts in dollars and cents, in numerals. Attach all addenda to the submitted proposal.
- (2) Properly execute the proposal. Place the required signatures, in ink, in the space provided on the bidding proposal as indicated below:

ENTITY SUBMITTING PROPOSALREQUIRED SIGNATURE

Individual The individual or a duly authorized agent.

Partnership A partner or a duly authorized agent.

Joint venture A member or a duly authorized agent of at least one of the joint venture firms.

Corporation An authorized officer or duly authorized agent of the corporation. Also show the name of the state chartering that corporation and affix the corporate seal.

Limited liability company A manager, a member, or a duly authorized agent.

- (3) Instead of using the schedule of items provided on the department's bidding proposal, the bidder may submit a substitute schedule with the proposal. Use a format for the substitute schedule conforming to the department's guidelines for approval of a bidder-generated schedule of items. Obtain the department's written approval before using a substitute schedule.
- (4) Provide a unit price for each bid item listed in the schedule of items. Calculate and show, in the bid amount column, the products of the respective unit prices and quantities. For a lump sum bid item, show the same price in the unit price column and in the bid amount column pertaining to that bid item. Show the total bid obtained by adding the values entered in the bid amount column for the listed bid items.
- (5) If a unit price or lump sum bid already entered in the proposal needs to be altered, cross out the entered unit price or lump sum bid with ink or typewriter and enter the new price above or below and initial it in ink.
- (6) A change that the bidder makes in the proposal is not an alteration if the bidder makes that change as directed in a specific instruction contained in an addendum.

102.6.2 Disadvantaged Business Enterprise (DBE) Commitment

- (1) Before the letting is closed, submit the following documentation for proposals with a DBE goal:
1. Commitment to subcontract to DBE on department form DT1506.
 2. Attachment A for each subcontractor listed on the DT1506.
 3. If the DBE goal is not attained, certificate of good faith efforts on department form DT1202.
- (2) Within 24 hours after the letting is closed, email all supplemental documentation for the DT1202 verifying efforts made to attain the DBE goal to DBE_Alert@dot.wi.gov.

102.7.3 Department Will Reject

Replace paragraph one with the following effective with the January 2021 letting:

- (1) Proposals are irregular and the department will reject and will not post them if the bidder:
 1. Does not furnish the required proposal guaranty in the proper form and amount as specified in 102.8.
 2. Does not submit a unit price for each bid item listed, except for lump sum bid items where the bidder may show the price in the bid amount column for that bid item.
 3. Includes conditions or qualifications not provided for in the department-supplied bidding proposal.
 4. Submits a bid on a bidding proposal issued to a different bidder without obtaining departmental authorization to do so.
 5. Submits a bid that contains unauthorized revisions in the name of the party to whom the bidding proposal was issued.
 6. Submits a schedule of items with illegibly printed bid item numbers, descriptions, or unit prices.
 7. Submits a schedule of items for the wrong contract.
 8. Submits a bidder-generated schedule of items with an incorrect bid item number and incorrect description for a single bid item.
 9. Omits a bid item or bid items on a bidder-generated schedule of items.
 10. Submits a materially unbalanced bid.
 11. Does not sign the proposal.
 12. Does not submit the DBE forms and required supplemental documentation of the good faith efforts as specified in 102.6.2.

102.12 Public Opening of Proposals

Replace paragraph one with the following effective with the October 2020 letting:

- (1) The letting will close at the time and place indicated in the notice to contractors. The department will publicly open and post the total bid for each proposal on the Bid Express web site beginning at noon on the day after the letting is closed except as specified in 102.7.3 and 102.8. If a proposal has no total bid shown, the department will not post the bid. After verification for accuracy under 103.1, the department will post bid totals on the HCCI web site.

<https://wisconsin.gov/Pages/doing-business/contractors/hcci/bid-let.aspx>

103.1 Consideration of Proposals

Replace paragraph one with the following effective with the October 2020 letting:

- (1) Following the public opening of the proposals received, the department will compare them based on the summation of the products of the quantities of work listed and the contract unit prices offered. In case of discrepancies, errors, or omissions, the department will make corrections as specified in 102.7.1. In awarding contracts, the department, in addition to considering the amounts stated in the proposals, may consider one or more of the following:
 1. The responsibility of the various bidders as determined from a study of the data required under 102.1.
 2. The responsiveness of the bid as determined under 102.6.
 3. Information from other investigations that the department may make.

107.17.1 General

Replace paragraph four with the following effective with the November 2020 letting:

- (4) Comply with the railroad's rules and regulations regarding operations on or near the railroad right-of-way as follows:
 - When working on the railroad right-of-way.
 - When working within 25 feet of the track centerline or adjacent facilities, including equipment or extensions of equipment that can fall within 25 feet of the track centerline or adjacent facilities.

If the railroad's chief engineering officer requires, arrange with the railroad to obtain the services of qualified railroad employees to protect railroad traffic through the work area. Bear the cost of these services and pay the railroad directly. Notify the railroad's representative, specified in the project special provisions, in writing at least 40 business days before starting work near a track. Provide the specific time planned to start the operations.

109.6.3.3 Retainage

Delete paragraph two effective with the December 2020 letting:

450.2.1 Acronyms and Definitions

Add the following definitions to 450.2.1(2) effective with the November 2020 letting:

Butt Joint	A transverse joint between existing and newly paved surfaces, formed by milling or sawing a vertical notch into the existing surface and then paving against the notch.
Echelon Paving	Paving two or more adjacent lanes with adjacent pavers offset from each other by 200 feet or less.
Notched Wedge Joint	A longitudinal joint consisting of a wedge placed at the edge of the initially paved lane with an overlapping wedge placed on the subsequent lane.
Tandem Paving	Paving two or more adjacent lanes with adjacent pavers offset from each other by more than 200 feet.
Vertical Joint	A longitudinal joint between 2 paved lanes with a vertical or nearly vertical interface between the adjacent mats.

450.3.2.8 Jointing

Replace paragraph two with the following with the November 2020 letting:

- (2) Where placing against existing HMA pavement, saw or mill the existing mat to form a full-depth joint.

Replace paragraphs five and six with the following effective with the November 2020 letting:

- (5) At the prepave meeting, submit documentation to the engineer that includes the brand name and model of each extruding and compacting device proposed for notched wedge joint construction. Alternatively, submit pictures of fabricated wedging and compacting devices. Do not use devices before engineer approval.
- (6) For notched wedge joints, construct and shape the wedge for each layer using the engineer-approved extruding device and compacting device that will provide a uniform slope and will not restrict the main screed. Compact the wedge with a weighted roller wheel or vibratory plate compactor the same width as the wedge. Clean and apply tack coat to the wedge surface and both notches before placing the adjacent lane.
- (7) For butt and vertical joints, clean and apply tack coat to promote bonding and seal the joint.
- (8) If paving in echelon, the contractor may use a vertical or notched wedge joint. Joints paved in echelon need not be tack coated.

460.2.2.3 Aggregate Gradation Master Range

Replace table 460-1 with the following effective with the November 2020 letting:

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENT PASSING DESIGNATED SIEVES							
	NOMINAL SIZE							
	No. 1 (37.5 mm)	No. 2 (25.0 mm)	No. 3 (19.0 mm)	No. 4 (12.5 mm)	No. 5 (9.5 mm)	No. 6 (4.75 mm)	SMA No. 4 (12.5 mm)	SMA No. 5 (9.5 mm)
50.0-mm	100							
37.5-mm	90 - 100	100						
25.0-mm	90 max	90 - 100	100					
19.0-mm	—	90 max	90 - 100	100			100	
12.5-mm	—	—	90 max	90 - 100	100		90 - 97	100
9.5-mm	—	—	—	90 max	90 - 100	100	58 - 80	90 - 100
4.75-mm	—	—	—	—	90 max	90 - 100	25 - 35	35 - 45
2.36-mm	15 - 41	19 - 45	23 - 49	28 - 58	32 - 67	90 max	15 - 25	18 - 28
1.18-mm	—	—	—	—	—	30 - 55	—	—
0.60-mm	—	—	—	—	—	—	18 max	18 max
0.075-mm	0 - 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	6.0 - 13.0	8.0 - 11.0	8.0 - 12.0
% VMA	11.0 min	12.0 min	13.0 min	14.0 min ^[1]	15.0 min ^[2]	16.0 - 17.5	16.0 min	17.0 min

^[1] 14.5 for LT and MT mixes.

^[2] 15.5 for LT and MT mixes.

522.2 Materials

Replace paragraph three with the following effective with the January 2021 letting:

- (3) Manufacture precast reinforced concrete pipe, cattle pass, and apron endwalls in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO standard materials requirements except as follows:

- The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.

532.2.1 General

Replace paragraph one with the following effective with the November 2020 letting:

- (1) Furnish structural steel conforming to ASTM as follows:

- <= 1/2 inch thick structural tube and pipe ASTM A500 grade C
- > 1/2 inch thick structural tube and pipe API 5L PSL 2 grade 46 or ASTM 1085
- Tapered vertical supports ASTM A595 grade A or ASTM A572 grade 55
- Multi-sided or greater than 26-inch diameter round tapered poles ASTM A572 grade 65
- Structural angles and plates ASTM A709 grade 36

532.3.8 Acceptance and Inspection

Add the following new subsection effective with the November 2020 letting:

532.3.8 Acceptance and Inspection

- (1) Demonstrate to the engineer that electrical and mechanical systems for each high mast tower installation are fully operational. The department will not accept an installation until the engineer is satisfied that it functions properly.
- (2) Inspect completed "S" or "L" designated structures before opening to public traffic conforming to the BOS structure inspection manual part 4 for sign, signal, and high mast towers available at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/inspection-manual.aspx>

Ensure that a department-certified active team leader for sign/signal inspections, listed on the department's highway structures information system (HSIS) website, performs inspections. Conform to the following:

- Notify the engineer at least 5 business days before inspection.
- Ensure that the team leader performing inspections submits the signed inspection reports and provides punch list items as maintenance items in the inspection report to the engineer within one business day after completing each inspection. Submit that signed final inspection report to the engineer and HSIS at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/hsi.aspx>

- Notify the engineer and region ancillary structure project manager upon completion of the punch list items.

550.2.1 Steel Piles and Pile Shells

Replace paragraph three with the following effective with the November 2020 letting:

- (3) For steel pipe sections and steel pile shells for cast-in-place concrete piles, use ASTM A252 grade 3 steel.

608.2.1 Pipe

Replace paragraph three with the following effective with the January 2021 letting:

- (3) Manufacture precast reinforced concrete pipe for storm sewer in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO materials requirements for the class of precast concrete pipe specified except as follows:
 - The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.

611.2 Materials

Replace paragraph three with the following effective with the January 2021 letting:

- (3) For precast structures conform to AASHTO M199 for circular structures and ASTM C913 for square and rectangular structures. Manufacture in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO materials requirements for the structure specified except as follows:
 - Use concrete with 470 pounds or more cementitious material per cubic yard.
 - The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.
 - For wet cast use air-entrained concrete with 7.0 percent +/- 1.5 percent air content.

614.3.2.1 Installing Posts

Replace paragraphs four and five with the following effective with the December 2020 letting:

- (4) For bid items 614.0220, 0230, and 2500; do not trim posts before installation and mark one face of each post as follows:

- Draw an embedment depth line.
- Above the embedment line, write the post length.
- Posts 3 through 8 of bid item 614.0220 do not require marking.

Install posts with the markings on the roadway side. Ensure the markings remain on the posts until guardrail final acceptance.

- (5) Ensure that posts are at least the minimum length and minimum embedment the plans show before cutting post tops to the finished elevation. After installation, the engineer may direct the contractor to remove and re-install up to 5% of the posts to verify they were placed to the required plan depth. If a post is embedded less than the required plan depth, the engineer may direct additional sampling. Re-install sampled posts at the locations and to the depths the plans show. Replace posts and other components that are damaged during sampling.
- (6) Provide offset block-mounted reflectors as the plans show.

650.3.7 Structure Layout Staking

Replace the entire text with the following effective with the January 2021 letting:

- (1) Set construction stakes or marks on a line offset from the structure centerline or on a reference line, whichever is appropriate, for both roadway and substructure units. Establish the plan horizontal and vertical positions to the required accuracy. Also, set and maintain stakes and marks as necessary to support the method of operations. Locate stakes and marks to within 0.02 feet of the true horizontal position, and establish the grade elevation to within 0.01 feet of true vertical position.
- (2) For girder bridges, the department will compute deck grades with contractor-supplied girder elevation data.
- (3) For slab span bridges, the department will compute slab grades using contractor-supplied falsework settlement and deflection data at tenth points along slab edges, the crown, and reference line locations. Before releasing falsework, survey top-of-slab elevations at the centerline of the abutments and at the 5/10th point along slab edges, the crown, and reference line locations to verify the camber.

710.2 Small Quantities

Replace paragraph one with the following effective with the November 2020 letting:

- (1) For contracts with only small quantities of material subject to testing, as defined under specific contract QMP provisions, modify the requirements of 710 as follows:
1. The contractor may submit an abbreviated quality control plan as allowed in 701.1.2.3.
 2. The engineer may accept aggregate based on documented previous testing and non-random start-up gradation testing as allowed in 710.5.6.1.

710.4 Concrete Mixes

Replace paragraph two with the following effective with the January 2021 letting:

- (2) At least 3 business days before producing concrete, document that materials conform to 501 unless the engineer allows or individual QMP specifications provide otherwise. Include the following:
1. For mixes: quantities per cubic yard expressed as SSD weights and net water, water to cementitious material ratio, and air content.
 2. For cementitious materials and admixtures: type, brand, and source.
 3. For aggregates: absorption, SSD bulk specific gravity, wear, soundness, freeze thaw test results if required, and air correction factor. Also include proposed combined gradation limits and target individual gradations, including P200 limits..

710.5.6 Aggregate Testing

Replace the entire text with the following effective with the January 2021 letting:

710.5.6.1 General

- (1) Test aggregate gradations during concrete production. The department will accept non-random start-up testing during concrete production for the following:
 - Small quantities, as defined in 715.1.1.2, of class I concrete placed under 715.
 - Less than 400 cubic yards of class II ancillary concrete placed under the contract.

710.5.6.2 Gradation Testing During Concrete Production

- (1) Test aggregate gradation during concrete production batching either at a central mix batch plant or at a ready mix plant. The contractor's concrete production QC tests can be used for the same mix design on multiple contracts.
- (2) Conform to combined gradation limits either calculated using department form WS3012 or custom limits approved as a part of the contractor's quality control plan. For class II concrete, also conform to the additional combined gradation requirements specified for class I concrete in 715.2.2.
- (3) Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the 1 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.
- (4) Contractor QC testing frequency is based on the cumulative plant production for each mix design across multiple WisDOT contracts.

TABLE 710-1 PLANT PRODUCTION QC GRADATION TESTING FREQUENCY

Daily Plant Production Rate for WisDOT Work	Minimum QC Frequency per Stockpile
250 cubic yards or less	one test per cumulative total of 250 cubic yards
more than 250 through 1000 cubic yards	one test per day
more than 1000 cubic yards	two tests per day

- (5) Department QV testing frequency is based on the quantity of each mix design placed under each individual WisDOT contract.

TABLE 710-2 CONTRACT PLACEMENT QV GRADATION TESTING FREQUENCY

Anticipated Daily Placement Rate Each WisDOT Contract	Minimum QV Frequency per Stockpile
less than or equal to 1000 cubic yards	one test per 5 days of placement
more than 1000 cubic yards	two tests per 5 days of placement

715.2.2 Combined Aggregate Gradation

Replace the entire text with the following effective with the January 2021 letting:

- (1) Ensure that the combined aggregate gradation conforms to the following, expressed as weight percentages of the total aggregate:
 1. One hundred percent passes the 2-inch sieve.
 2. For mixes containing size No. 2 stone, the percent passing the 1-inch sieve is less than or equal to 89. The engineer may waive this requirement if the clear spacing between reinforcing bars is less than 2 inches.
 3. The percent passing the No. 4 sieve is less than or equal to 42, except if the coarse aggregate is completely composed of crushed stone, up to 47 percent may pass the No. 4 sieve. For pavement, coarse aggregate may be completely composed of crushed concrete, in which case up to 47 percent may pass the No. 4 sieve.
 4. The percent passing the No. 200 sieve is less than or equal to 2.3 percent.

716.2.1 Class II Concrete

Replace paragraphs four through six with the following effective with the November 2020 letting:

- (4) Provide concrete with a 28-day compressive strength that equals or exceeds the following:
 - If the contract specifies f'_c , then f'_c .
 - If the contract does not specify f'_c , then 3000 psi.

ERRATA

101.3 Definitions

Adopt AASHTO change order definition.

Change order A written order to the contractor detailing changes to the specified work quantities or modifications within the scope of the original contract..

NOT FOR BIDDING PURPOSES

Delete existing contract change order, contract modification, and contract revision definitions.

460.2.7(1) HMA Mixture Design

Correct table 460-2 errata by eliminating plasticity index requirements for LT, MT, and HT mixes.

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	LT	MT	HT	SMA
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	35
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103 as modified in CMM 860.2.7) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM D5821 as modified in CMM 860.7.2) (one face/2 face, % by count)	65/___	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40 ^[1]	43 ^[1]	45	45
Sand Equivalency (AASHTO T176, min)	40	40 ^[2]	45	50
Clay Lumps and Friable Particle in Aggregate (AASHTO T112)	<= 1%	<= 1%	<= 1%	<= 1%
Plasticity Index of Material Added to Mix Design as Mineral Filler (AASHTO T89/90)				<= 4
Gyratory Compaction				
Gyrations for Nini	6	7	8	7
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	100
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.5 (95.5)
% Gmm Nini	<= 91.5 ^[3]	<= 89.0 ^[3]	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	<= 98.0
Dust to Binder Ratio ^[4] (% passing 0.075/Pbe)	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 ^{[6] [8]}	65 - 75 ^{[6] [7] [9]}	65 - 75 ^{[6] [7] [9]}	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283) ^{[10] [11]}				
no antistripping additive	0.75 min	0.75 min	0.75 min	0.80 min
with antistripping additive	0.80 min	0.80 min	0.80 min	0.80 min
Draindown (AASHTO T305) (%)	___	___	___	<= 0.30
Minimum Effective Asphalt Content, Pbe (%)	___	___	___	5.5

^[1] For No 6 (4.75 mm) nominal maximum size mixes, the specified fine aggregate angularity is 43 for LT and 45 MT mixes.

^[2] For No 6 (4.75 mm) nominal maximum size mixes, the specified sand equivalency is 43 for MT mixes.

^[3] The percent maximum density at initial compaction is only a guideline.

^[4] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO M323), the dust to binder ratio limits are 0.6 - 1.6.

^[5] For No 6 (4.75 mm) nominal maximum size mixes, the specified dust to binder ratio limits are 1.0 - 2.0 for LT mixes and 1.5 - 2.0 for MT and HT mixes.

^[6] For No. 6 (4.75mm) nominal maximum size mixes, the specified VFB is 67 - 79 percent for LT mixes and 66 - 77 percent for MT and HT mixes.

^[7] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

^[8] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[9] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[10] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

^[11] Run TSR at asphalt content corresponding to 3.0% air void regressed design, or 4.5% air void design for SMA, using distilled water for testing.

513.2.1(2) General

Correct errata by changing the CMM reference from 875.2 to 875.4.

- (2) Conform to the department's certification method of acceptance, as defined in CMM 875.4, for railing and railing components. Furnish a certificate of compliance for miscellaneous hardware.

531.1(1) Description

Correct errata by adding structural steel sign supports constructed under 635.

- (1) This section describes constructing drilled shaft foundations for the following:
- Overhead sign structures constructed under 532.
 - High mast light towers constructed under 532.
 - Structural steel sign supports constructed under 635.
 - Camera poles constructed under 677.

635.3.1(1) Structural Steel Sign Supports

Correct errata by adding "type NS" concrete footings.

- (1) Locate and erect the supports as specified for placement and orientation in 637.3.3.2. Construct Type NS concrete footings conforming to 531.

654.5(2) Payment

Correct errata by changing excavating to drilling.

- (2) Payment for the Bases bid items is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor templates, rods, nuts, and washers; for bar steel reinforcement; and for drilling and backfilling.

Non-discrimination Provisions

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Effective November 2020 letting

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

<https://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project certify to the engineer, in writing using department form DT4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form DT4567 is available at:

<https://wisconsindot.gov/Documents/formdocs/dt4567.docx>

Exhibits

ID 1229-04-21 #2

Removal, Grading, Backfill

Site Diagram

Photos

*Taken from appraisal done by Metropolitan Appraisals

Location Map

Clearing and Grubbing from Plan and Profile

City of Glendale Demolition Requirements

Asbestos Inspection and Abatement Report

REMOVE: Split level 1,379 SF single family home with two car attached garage. Access walks, curbs, steps, and asphalt driveway if applicable. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.


GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions - Article 2 – Item #5.

Floor Plan/Site Diagram – Following Page(s)

BACKFILL: Reference Special Provisions – Article 2 – Item #6

SUBJECT AERIAL



 Property Boundary

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI

PHOTOS OF THE SUBJECT



1.) Front elevation facing east



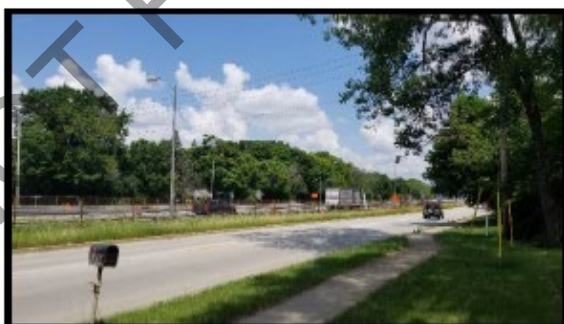
2.) South elevation



3.) North elevation



4.) Rear yard



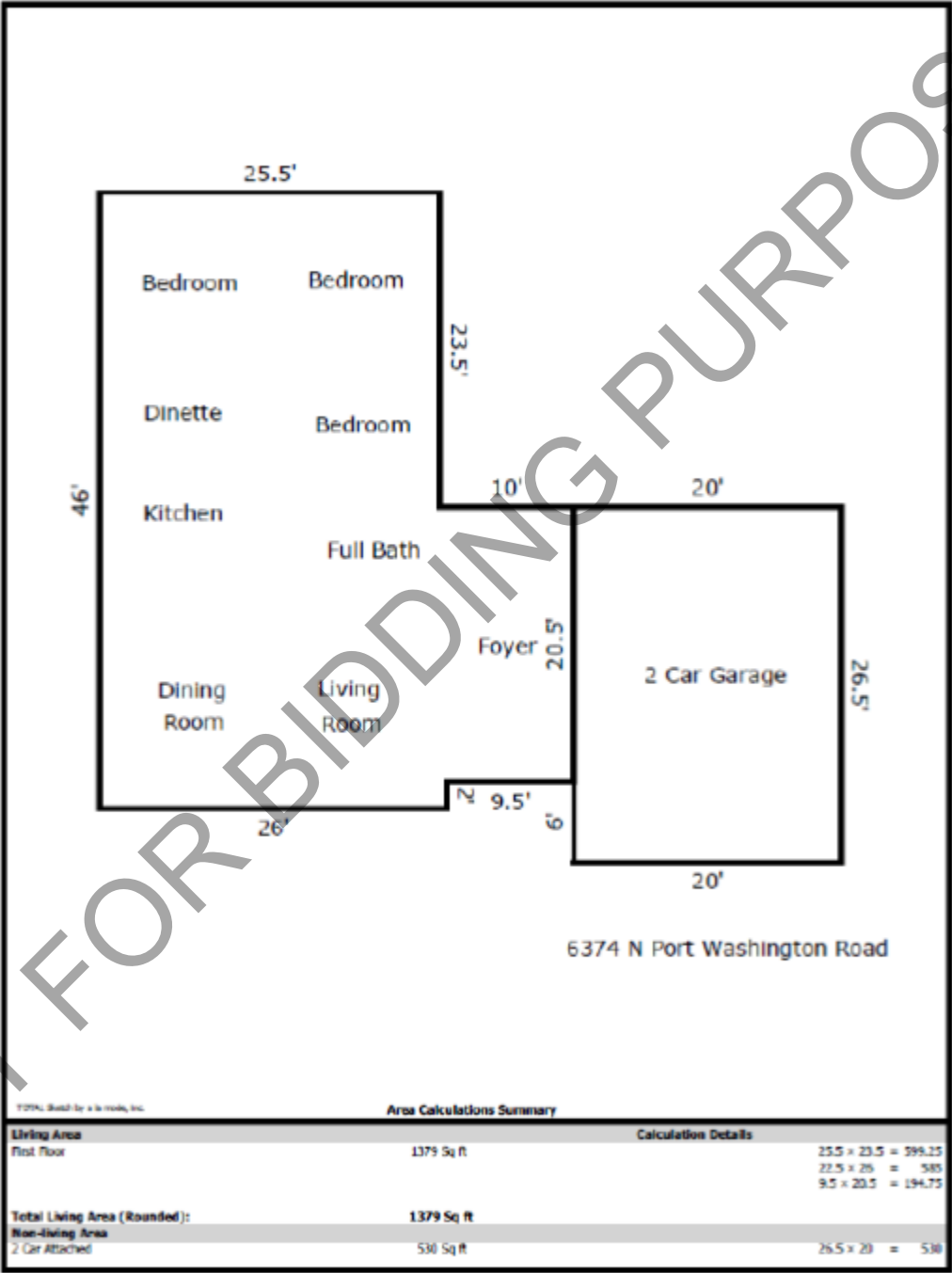
5.) Street scene facing north



6.) Street scene facing south

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI

BUILDING SKETCH



DESCRIPTION OF IMPROVEMENTS

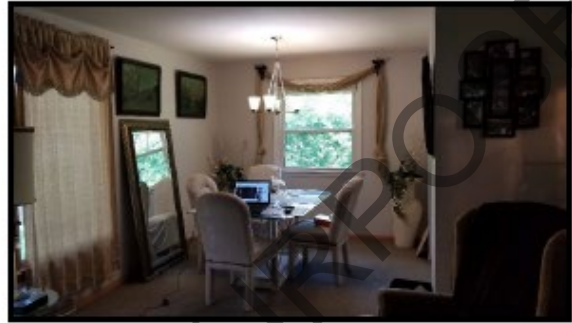
The following improvements description summary is based on an interior inspection as well as review of assessment records, and aerial photographs. A floorplan and photographs of the subject are included on the foregoing pages.

Year built:	1965
Number of stories:	Split level
Above grade square feet:	1,379 square feet (as measured by the appraiser)
Bedrooms (above grade):	3
Baths (above grade):	1 full
Below grade square feet:	1,097 square feet
Below grade finished area:	620+/- square feet with half bath
Building frame:	Wood
Roof type:	Asphalt shingle
Exterior:	Wood and brick
Heating:	Forced air gas furnace
Cooling:	Central air
Garage:	Attached 2-car
Fuel type:	Natural gas
Electrical:	Adequate service
Hot water heater	50-gallon
Porch/deck/patios:	Concrete patio
Driveway:	Concrete
Landscaping:	Good with wooded backyard
Condition:	<p>The interior of the property was in average overall condition with the following updates reported by the owner after acquisition 2016:</p> <p>New double-hung windows throughout home Kitchen wood cabinets refinished New roof Exterior painting Backyard cleared</p>
Quality of Construction:	Average quality interior and exterior finishes

INTERIOR PHOTOS



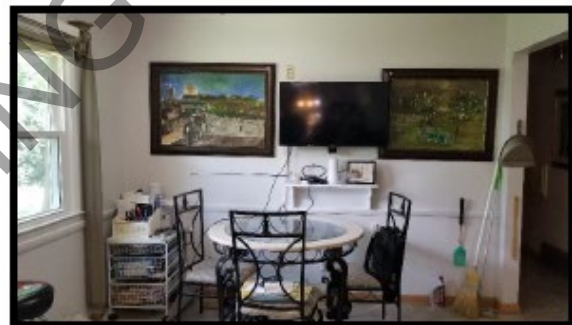
1.) Living room looking to foyer



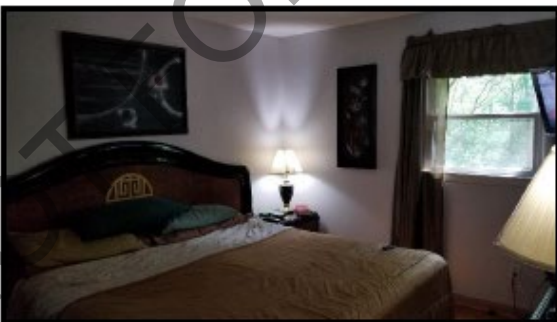
2.) Dining room



3.) Kitchen



4.) Dinette



5.) Typical bedroom



6.) Lower recreation room

LOCATION MAP

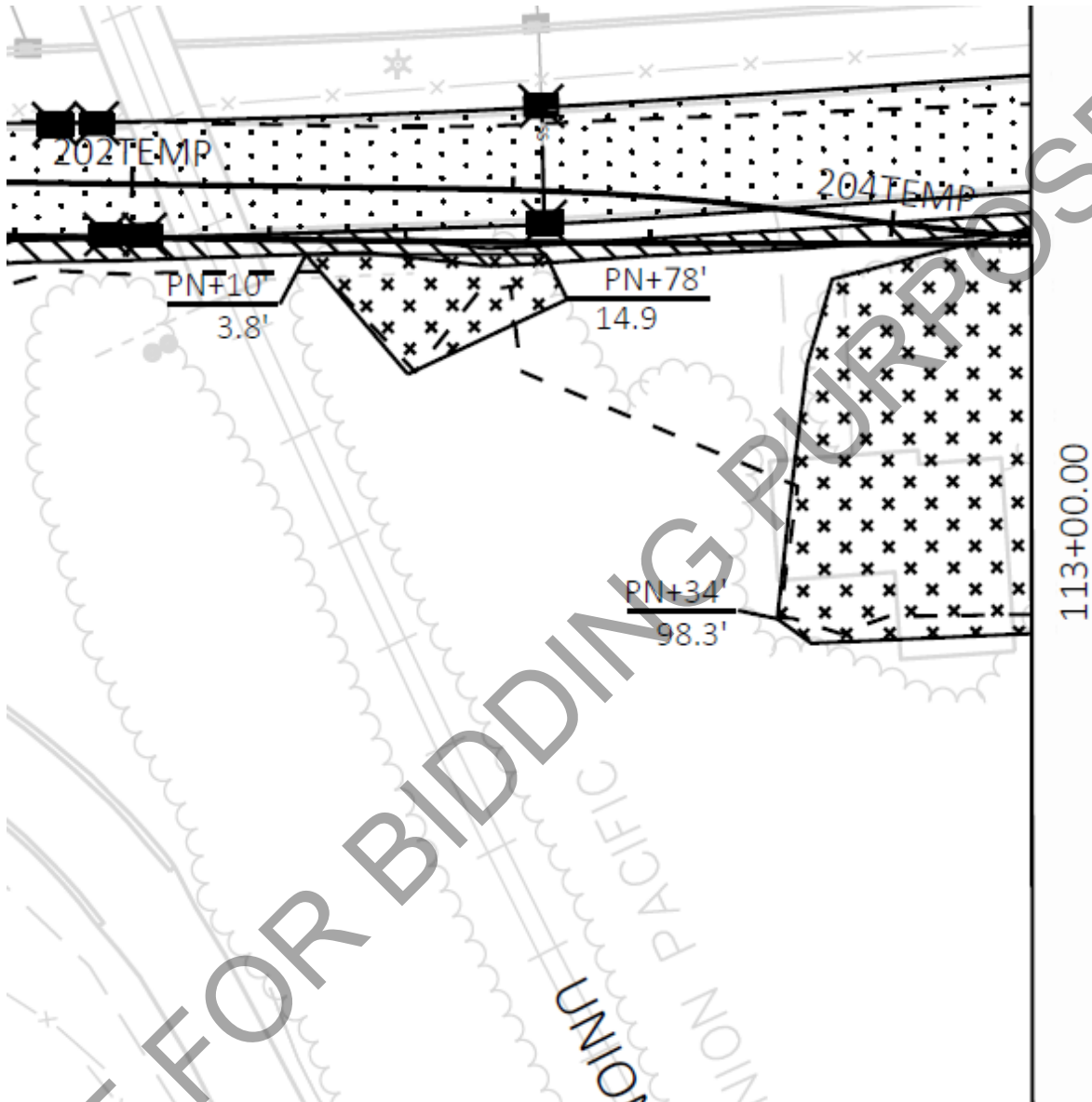


July 21, 2020

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI

CLEARING AND GRUBBING FROM PLAN AND PROFILE

Trees and shrubs that have the "X" shall be removed and stump ground down





Asbestos-Containing Material and Pre-Demolition Reconnaissance

6374 N. Port Washington Road
(Parcel 2), Glendale, Milwaukee County,
Wisconsin

August 2021

WisDOT Project #1229-04-21

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in blue ink that reads "John Roelke" with a stylized "WR" monogram to the right.

John Roelke
WDHFS Asbestos Inspector, AII-119523

A handwritten signature in blue ink that reads "Daniel Haak".

Daniel Haak, P.E.
Project Manager

TABLE OF CONTENTS

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TABLES

Table 1: Asbestos Survey Log and Bulk Asbestos Analytical Results

FIGURES

Figure 1: Site Location Map

Figure 2: Sampling Location Maps

APPENDICES

Appendix A: Photographs

Appendix B: Laboratory Analytical Results

COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sq ft	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The WisDOT has acquired the property at 6374 N. Port Washington Road (Parcel 2) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC Environmental Corporation (TRC) has been contracted by the WisDOT to perform an asbestos-containing materials (ACM) delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

The following Category I non-friable ACM is present:

- Approximately 4 sq ft of white caulk around exterior window and door frames
- Approximately 354 sq ft of black mastic and tan 12"x12" vinyl flooring in kitchen, dining room, hallway, and bathroom 1
- Approximately 640 sq ft of black mastic and dark red 12"x12" vinyl flooring on basement stairs and floor

The asbestos must be properly removed and disposed of during the demolition of the building and site clearing of the property.

1.0 Background

1.1 Introduction

The WisDOT has acquired the property at 6374 N. Port Washington Road (Parcel 2) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC has been contracted by the WisDOT to perform an ACM delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

1.2 ACM Inspection

On July 21, 2021, TRC conducted an asbestos inspection of the property in order to determine the extent of ACM in the building, and to identify any ACM that would require management during demolition. This was accomplished by identifying, sampling, characterizing, quantifying, and laboratory-analyzing potential ACM.

2.0 ACM Delineation

2.1 ACM Sampling

TRC conducted an ACM survey of the building on July 21, 2021. Samples of suspect ACM were collected for laboratory analysis in accordance with the United States Environmental Protection Agency's (USEPA's) Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E, as indicated in WDNR and Occupational Safety and Health Administration (OSHA) regulations. A minimum of three randomly distributed samples of each type of material identified as homogeneous (same type, color, and age of application) were collected by John Roelke, WDHFS Asbestos Inspector #AII-119523. If there was any reason to suspect that the materials might be different, those materials were sampled separately. Samples were collected by hand using hammers, chisels, and utility knives. Sufficient water was applied before and during sample collection to prevent the generation of airborne particulate as a result of sampling activities.

A total of 36 samples were collected during the July sampling event and analyzed for the presence of ACM. Materials sampled included: shingles, roofing paper, caulk, concrete overlay, mastic, carpet, carpet pad, vinyl tile, leveling cement, grout, ceramic tile, vinyl flooring, and drywall with texture. See Appendix A for photographs and Figure 2 for sample locations.

Collected samples were analyzed by TRC Solutions, Inc. (TRC) in Windsor, Connecticut. Samples were analyzed on a 3-day turnaround basis using polarized light microscopy (PLM) with dispersion staining techniques. Once one sample of a homogeneous material tested positive for asbestos, the remaining samples of that material were not analyzed.

2.2 ACM Sampling Results

The locations and types of the material sampled, the collection date, the sample number, and the condition of the material are presented in Table 1 (Asbestos Survey Log and Bulk Asbestos Analytical Results). Photographs showing representative sampled materials can be found in Appendix A. TRC's laboratory analysis reports are included in Appendix B.

The following Category I non-friable ACM is present:

- Approximately 4 sq ft of white caulk around exterior window and door frames
- Approximately 354 sq ft of black mastic and tan 12"x12" vinyl flooring in kitchen, dining room, hallway, and bathroom 1
- Approximately 640 sq ft of black mastic and dark red 12"x12" vinyl flooring on basement stairs and floor

3.0 ACM Abatement

3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 4 sq ft of white caulk around exterior window and door frames
- Approximately 354 sq ft of black mastic and tan 12"x12" vinyl flooring in kitchen, dining room, hallway, and bathroom 1
- Approximately 640 sq ft of black mastic and dark red 12"x12" vinyl flooring on basement stairs and floor

3.2 Regulatory Discussion

Friable ACM is any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM is any material containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. The EPA also defines two categories of non-friable ACM, Category I and Category II non-friable ACM as follows:

- Category I non-friable ACM is any asbestos-containing packing, gasket, resilient floor covering, mastic, or asphalt roofing product that contains more than 1 percent asbestos.
- Category II non-friable ACM is any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

RACM is (a) friable asbestos material; (b) Category I non-friable ACM that has become friable; (c) Category I non-friable ACM that will be, or has been, subjected to sanding, grinding, cutting or abrading; or (d) Category II non-friable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition operations.

Both the USEPA's and the WDNR's regulations mandate the removal of regulated ACM prior to demolition. ACM need not be removed before demolition if it is a Category I non-friable ACM that is not friable or a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition. Additionally, all asbestos-containing debris must be handled, transported, and disposed in accordance with the ACM regulations. If ACM is commingled with the demolition debris, the entire pile must be considered to be asbestos-containing material and managed accordingly. This requires disposal in a landfill licensed to accept ACM waste.

Both OSHA and the USEPA regulate the potential health hazards associated with ACM abatement. The USEPA regulates ACM from a general health perspective. USEPA regulations contain language related to many aspects of ACM management, including visible emissions, licensing of workers, disposal, testing, inspections, and site management. OSHA regulations deal with worker exposure on the job and with the methodology to safely handle ACM. The State of Wisconsin regulations incorporate both OSHA and USEPA regulations, and mirror the federal regulations almost exactly. In a few cases, the practice of compliance with Wisconsin regulations is more restrictive than the federal interpretation.

3.3 ACM Removal Plans

All regulated ACM is required to be removed prior to demolition. It will be up to the demolition contractor and their asbestos abatement contractor to determine if the method of demolition will cause any non-friable ACM to become friable. If so, that material would be considered RACM and will be required to be removed prior to demolition. All demolition waste that is commingled with the non-friable asbestos-containing material will be required to be managed as asbestos-containing waste and disposed of at a solid waste landfill permitted to accept such waste.

4.0 Conclusions and Recommendations

The following Category I non-friable ACM is present:

- Approximately 4 sq ft of white caulk around exterior window and door frames
- Approximately 354 sq ft of black mastic and tan 12"x12" vinyl flooring in kitchen, dining room, hallway, and bathroom 1
- Approximately 640 sq ft of black mastic and dark red 12"x12" vinyl flooring on basement stairs and floor

The asbestos must be properly removed and disposed of during the demolition of the building and site clearing of the property.

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 6374 N. Port Washington Rd (Parcel 2)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 21, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P2-1	Garage roof	Shingles	Black	Good	PLM, non-detect	--	0
P2-2	Garage roof	Shingles	Black	Good	PLM, non-detect	--	
P2-3	Garage roof	Shingles	Black	Good	PLM, non-detect	--	
P2-4	House roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/Brown/Tan (layer 2)	Good	PLM, non-detect	--	0
P2-5	House roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/Brown/Tan (layer 2)	Good	PLM, non-detect	--	
P2-6	House roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/Brown/Tan (layer 2)	Good	PLM, non-detect	--	
P2-7	Around exterior window & door frames	Caulk	White	Good	PLM, 10%	Non-friable	4 sq ft
P2-8	Around exterior window & door frames	Caulk	White	Good	NA/PS	Non-friable	
P2-9	Around exterior window & door frames	Caulk	White	Good	NA/PS	Non-friable	
P2-10	Entryway floor	Concrete overlay	Gray/brown	Good	PLM, non-detect	--	0
P2-11	Entryway floor	Concrete overlay	Gray/brown	Good	PLM, non-detect	--	
P2-12	Entryway floor	Concrete overlay	Gray/brown	Good	PLM, non-detect	--	
P2-13	Living room floor	Pad (layer 1) Mastic (layer 2) Carpet (layer 3)	White/black/yellow (layer 1) Tan (layer 2) Brown/cream (layer 3)	Good	PLM, non-detect	--	0
P2-14		Pad (layer 1) Mastic (layer 2) Carpet (layer 3)	White/black/yellow (layer 1) Tan (layer 2) Brown/cream (layer 3)				
P2-15		Pad (layer 1) Mastic (layer 2) Carpet (layer 3)	White/black/yellow (layer 1) Tan (layer 2) Brown/cream (layer 3)				

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 6374 N. Port Washington Rd (Parcel 2)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 21, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P2-16	Kitchen, dining room & hallway floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Colorless (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	0
P2-17	Kitchen, dining room & hallway floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Colorless (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P2-18	Kitchen, dining room & hallway floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Colorless (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P2-19	Bathroom floor, tub wall	Leveling cement (layer 1) Grout (layer 2)	White (layer 1) Black (layer 2)	Good	PLM, non-detect	--	0
P2-20		2'x1' ceramic tile (layer 3)	Gray (layer 3)				
P2-21		Leveling cement (layer 1) Grout (layer 2)	White (layer 1) Black (layer 2)				
P2-22	Bathroom floor, tub wall	2'x1' ceramic tile (layer 3)	Gray (layer 3)	Good	PLM, non-detect	--	290 sq ft
P2-23	Kitchen, dining room & hallway subfloor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Tan (layer 2)	Good	PLM, 10% (layer 1) 3% (layer 2)	Non-friable	
P2-24	Kitchen, dining room & hallway subfloor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Tan (layer 2)	Good	NA/PS	Non-friable	
P2-25	Bathroom 1 subfloor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Tan (layer 2)	Good	PLM, 10% (layer 1) 3% (layer 2)	Non-friable	64 sq ft
P2-26	Bathroom 1 subfloor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Tan (layer 2)	Good	NA/PS	Non-friable	
P2-27	Bathroom 1 subfloor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Tan (layer 2)	Good	NA/PS	Non-friable	
P2-28	Walls & ceiling throughout house	Sand texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	0
P2-29	Walls & ceiling throughout house	Sand texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P2-30	Walls & ceiling throughout house	Sand texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P2-31	Basement stairs and floor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Dark red (layer 2)	Good	PLM, 5% (layer 1) 3% (layer 2)	Non-friable	640 sq ft
P2-32	Basement stairs and floor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Dark red (layer 2)	Good	NA/PS	Non-friable	
P2-33	Basement stairs and floor	Mastic (layer 1) 12"x12" vinyl flooring (layer 2)	Black (layer 1) Dark red (layer 2)	Good	NA/PS	Non-friable	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 6374 N. Port Washington Rd (Parcel 2)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 21, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P2-34	Bathroom 2	Grout (layer 1) 1'x2' ceramic tile (layer 2)	Gray (layer 1) Brown/gray (layer 2)	Good	PLM, non-detect	--	0
P2-35	Bathroom 2	Grout (layer 1) 1'x2' ceramic tile (layer 2)	Gray (layer 1) Brown/gray (layer 2)	Good	PLM, non-detect	--	
P2-36	Bathroom 2	Grout (layer 1) 1'x2' ceramic tile (layer 2)	Gray (layer 1) Brown/gray (layer 2)	Good	PLM, non-detect	--	

Notes:

PLM = Polarized Light Microscopy

NA/PS = Sample Not Analyzed, positive stop

1. Inspection was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21 35-45.

Condition Description:

Good: The material shows no visible damage or deterioration, or shows only limited damage or deterioration.

Damaged: The material is friable that has deteriorated or sustained physical damage.

Significantly damaged: The material is friable that has sustained extensive or severe damage.

Created By: A. Voit
 Checked By: D. Haak

FIGURE 1 - SITE LOCATION MAP

6374 N. PORT WASHINGTON ROAD (PARCEL 2), GLENDALE

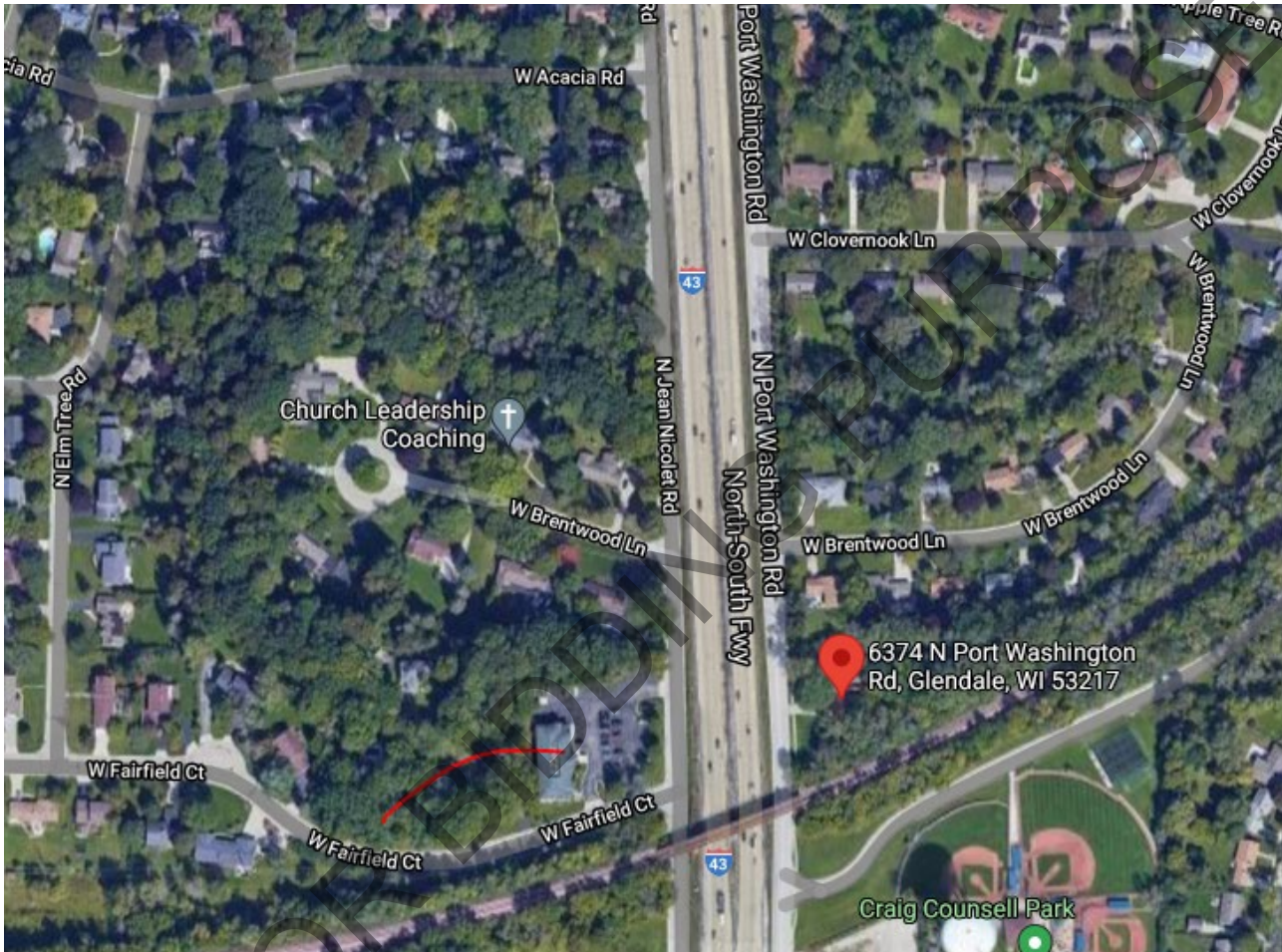


FIGURE 2



Parcel 2

SUBJECT 6374 N. Port Wash

SHEET NO. 1 OF 2
 PROJECT NO. 441231.0000.0000
 DATE 7/31/21
 BY SAR
 CHK'D

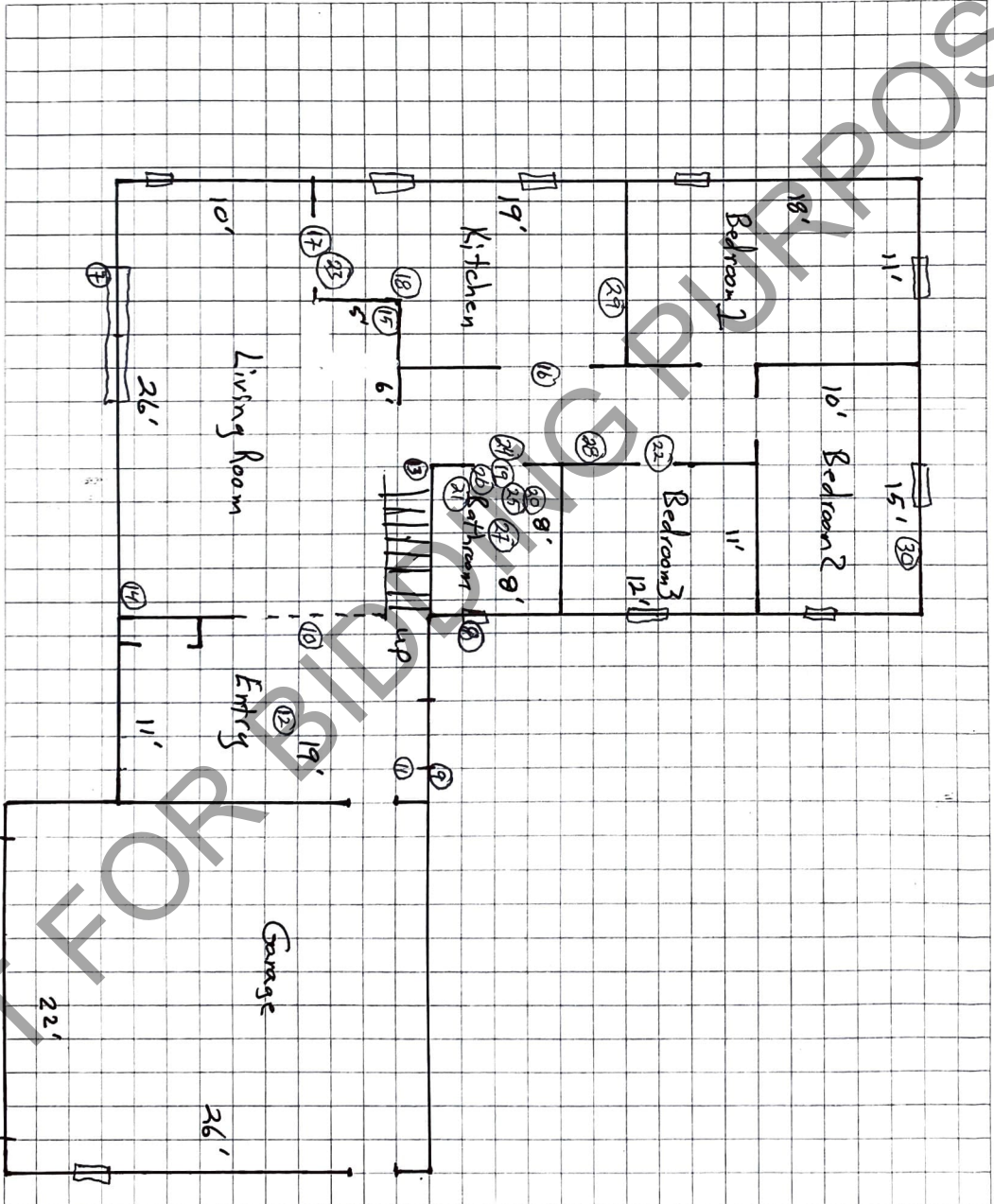




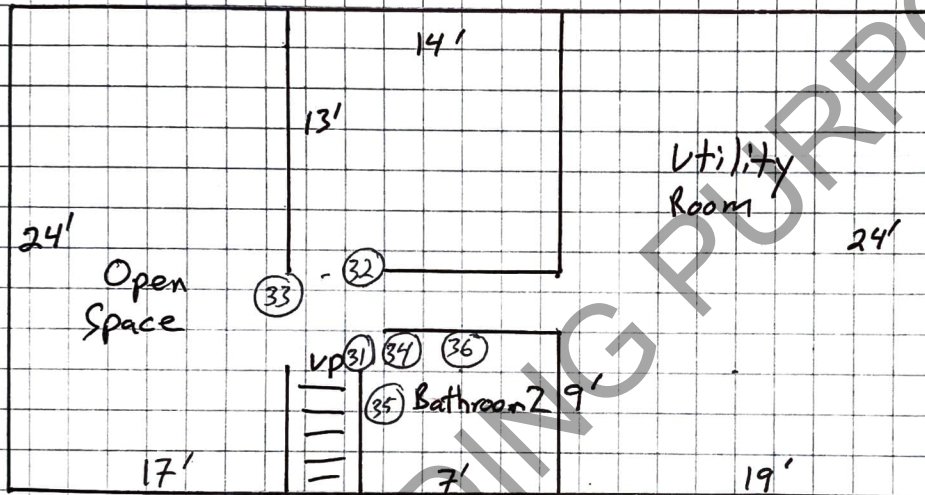
FIGURE 2

Parcel 2

SUBJECT 6374 N. Port Wash.

SHEET NO. 2 OF 2
PROJECT NO. 441231.0000.0000
DATE 7/21/21
BY SAR
CHK'D _____

Basement



Appendix A: Photographs

NOT FOR BIDDING PURPOSES

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 1	Date 7/21/2021		
Description Front of house			
Photo No. 2	Date 7/21/2021		
Description Side of garage			

Photographic Log


Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 3	Date 7/21/2021		
Description Back of garage			

Photo No. 4	Date 7/21/2021	
Description Back of house		



Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 5	Date 7/21/2021		
Description Side of house			
Photo No. 6	Date 7/21/2021		
Description Garage roof			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 7	Date 7/21/2021		
Description Shingles on garage roof, non-detect for ACM			
Photo No. 8	Date 7/21/2021		
Description House roof			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 9	Date 7/21/2021		
Description Roofing paper and shingles on house roof, both non- detect for ACM			
Photo No. 10	Date 7/21/2021		
Description White caulk around exterior window frames contains 10% Cat.I non-friable ACM			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 11	Date 7/21/2021		
Description White caulk around exterior door frames contains 10% Cat.I non-friable ACM			
Photo No. 12	Date 7/21/2021		
Description White caulk around exterior window & door frames, contains 10% Cat.I non-friable ACM			

Photographic Log



Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 13	Date 7/21/2021		
Description Entryway, looking towards front door			

Photo No. 14	Date 7/21/2021	
Description Entryway, looking towards backyard		

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 15	Date 7/21/2021		
Description Concrete overlay on entryway floor, non-detect for ACM			
Photo No. 16	Date 7/21/2021		
Description In entryway looking towards Living room			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 17	Date 7/21/2021		
Description Living room			
Photo No. 18	Date 7/21/2021		
Description Carpet, carpet pad and mastic on Living room floor, all non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 19	Date 7/21/2021		
Description Kitchen			
Photo No. 20	Date 7/21/2021		
Description Dining room			


Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 21	Date 7/21/2021		
Description Hallway			
Photo No. 22	Date 7/21/2021		
Description 12"x12" gray vinyl tile with mastic on floor in kitchen, dining room and hallway, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 23	Date 7/21/2021		
Description Bathroom			
Photo No. 24	Date 7/21/2021		
Description Tub wall in bathroom			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 25	Date 7/21/2021		
Description Leveling cement, grout and 2'x1' ceramic tile on bathroom floor and wall around tub, all non-detect for ACM			
Photo No. 26	Date 7/21/2021		
Description 12"x12" tan vinyl tile with black mastic under kitchen, dining room & hallway gray tiles on floor. Black mastic contains 10% Cat.I non-friable ACM and the tan vinyl tile contains 3% Cat.I non-friable ACM.			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 27	Date 7/21/2021		
Description 12"x12" tan vinyl tile with black mastic under bathroom ceramic tiles on floor. Black mastic contains 10% Cat.I non-friable ACM and the tan vinyl tile contains 3% Cat.I non-friable ACM.			
Photo No. 28	Date 7/21/2021		
Description Bedroom			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 29	Date 7/21/2021		
Description Bedroom			
Photo No. 30	Date 7/21/2021		
Description Drywall with texture on walls and ceilings throughout house, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 31	Date 7/21/2021		
Description Basement stairs			
Photo No. 32	Date 7/21/2021		
Description Basement room			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 33	Date 7/21/2021		
Description Basement room			
Photo No. 34	Date 7/21/2021		
Description 12"x12" dark red vinyl flooring with black mastic on basement stairs and floor. Black mastic contains 5% Cat.I non-friable ACM and the vinyl flooring contains 3% Cat.I non-friable ACM.			

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 35	Date 7/21/2021		
Description Bathroom 2 (located in basement)			
Photo No. 36	Date 7/21/2021		
Description Bathroom 2 (located in basement)			


Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 37	Date 7/21/2021		
Description 1'x2' ceramic tile and grout on bathroom 2 floor, both non-detect for ACM			
Photo No. 38	Date 7/21/2021		
Description Unfinished portion of basement			


Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
-------------------------------	--	---	---

Photo No. 39	Date 7/21/2021	
Description Unfinished portion of basement		

Photo No. 40	Date 7/21/2021	
Description Unfinished portion of basement		

Photographic Log

Client Name: WisDOT		Site Location: 6374 N. Port Washington Rd (Parcel 2), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 41	Date 7/21/2021		
Description Interior of garage			

NOT FOR BIDDING

Appendix B: Laboratory Analytical Results

NOT FOR BIDDING PURPOSES



BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057329
Project #: 441231.0000.0000
Date Received: 07/23/2021
Date Analyzed: 07/27/2021

Site: Parcel 2, 6374 Port Washington Road, Glendale, WI

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P2-1	Garage Roof, front 1/2	Black asphalt shingle	20% fibrous glass	ND	None
P2-2	Garage Roof, front 1/2	Black asphalt shingle	20% fibrous glass	ND	None
P2-3	Garage Roof, front 1/2	Black asphalt shingle	20% fibrous glass	ND	None
P2-4	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P2-4		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P2-5	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P2-5		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P2-6	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P2-6		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P2-7	Exterior doors & windows	White caulk	- - -	10%	Chrysotile
P2-8	Exterior doors & windows	- -	- -	NA/PS	- -
P2-9	Exterior doors & windows	- -	- -	NA/PS	- -
P2-10	Front entry	Grey/Brown concrete overlay	- - -	ND	None
P2-11	Front entry	Grey/Brown concrete overlay	- - -	ND	None
P2-12	Front entry	Grey/Brown concrete overlay	- - -	ND	None
P2-13	Living Room	LAYER 1 White/Black/Yellow pad	- - -	ND	None
P2-13		LAYER 2 Tan mastic	- - -	ND	None
P2-13		LAYER 3 Brown/Cream carpet	99% synthetic fiber	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P2-14	Living Room	LAYER 1 White/Black/Yellow pad	---	ND	None
P2-14		LAYER 2 Tan mastic	---	ND	None
P2-14		LAYER 3 Brown/Cream carpet	99% synthetic fiber	ND	None
P2-15	Living Room	LAYER 1 White/Black/Yellow pad	---	ND	None
P2-15		LAYER 2 Tan mastic	---	ND	None
P2-15		LAYER 3 Brown/Cream carpet	99% synthetic fiber	ND	None
P2-16	Kitchen & Hallway	LAYER 1 Colorless mastic	---	ND	None
P2-16		LAYER 2 Grey 12"x12" vinyl floor tile	---	ND	None
P2-17	Kitchen & Hallway	LAYER 1 Colorless mastic	---	ND	None
P2-17		LAYER 2 Grey 12"x12" vinyl floor tile	---	ND	None
P2-18	Kitchen & Hallway	LAYER 1 Colorless mastic	---	ND	None
P2-18		LAYER 2 Grey 12"x12" vinyl floor tile	---	ND	None
P2-19	Bathroom floor, tub wall	LAYER 1 White leveling cement	---	ND	None
P2-19		LAYER 2 Black grout	---	ND	None
P2-19		LAYER 3 Grey 2'x1' ceramic tile	---	ND	None
P2-20	Bathroom floor, tub wall	LAYER 1 White leveling cement	---	ND	None
P2-20		LAYER 2 Black grout	---	ND	None
P2-20		LAYER 3 Grey 2'x1' ceramic tile	---	ND	None
P2-21	Bathroom floor, tub wall	LAYER 1 White leveling cement	---	ND	None
P2-21		LAYER 2 Black grout	---	ND	None
P2-21		LAYER 3 Grey 2'x1' ceramic tile	---	ND	None
P2-22	Kitchen sub-floor & hallway	LAYER 1 Black mastic	---	10%	Chrysotile
P2-22		LAYER 2 Tan 12"x12" vinyl flooring	---	3%	Chrysotile

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
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ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P2-23	Kitchen sub-floor & hallway	--	--	NA/PS	--
P2-23		--	--	NA/PS	--
P2-24	Kitchen sub-floor & hallway	--	--	NA/PS	--
P2-24		--	--	NA/PS	--
P2-25	Bathroom 1 sub-floor	LAYER 1 Black mastic	---	10%	Chrysotile
P2-25		LAYER 2 Tan 12"x12" vinyl flooring	---	3%	Chrysotile
P2-26	Bathroom 1 sub-floor	--	--	NA/PS	--
P2-26		--	--	NA/PS	--
P2-27	Bathroom 1 sub-floor	--	--	NA/PS	--
P2-27		--	--	NA/PS	--
P2-28	Walls & ceiling throughout house	LAYER 1 White sand texture	---	ND	None
P2-28		LAYER 2 White drywall	2% cellulose	ND	None
P2-29	Walls & ceiling throughout house	LAYER 1 White sand texture	---	ND	None
P2-29		LAYER 2 White drywall	2% cellulose	ND	None
P2-30	Walls & ceiling throughout house	LAYER 1 White sand texture	---	ND	None
P2-30		LAYER 2 White drywall	2% cellulose	ND	None
P2-31	Basement stairs, extra room & open space	LAYER 1 Black mastic	---	5%	Chrysotile
P2-31		LAYER 2 Dark Red 12"x12" vinyl flooring	---	3%	Chrysotile
P2-32	Basement stairs, extra room & open space	--	--	NA/PS	--
P2-32		--	--	NA/PS	--
P2-33	Basement stairs, extra room & open space	--	--	NA/PS	--
P2-33		--	--	NA/PS	--
P2-34	Bathroom 2	LAYER 1 Grey grout	---	ND	None
P2-34		LAYER 2 Brown/Grey 1'x2' ceramic tile	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P2-35	Bathroom 2	LAYER 1 Grey grout	---	ND	None
P2-35		LAYER 2 Brown/Grey 1'x2' ceramic tile	---	ND	None
P2-36	Bathroom 2	LAYER 1 Grey grout	---	ND	None
P2-36		LAYER 2 Brown/Grey 1'x2' ceramic tile	---	ND	None

ND - asbestos was not detected

Trace - asbestos was observed at level of 1% or less - This is the reporting limit

NA/PS - Not Analyzed / Positive Stop

SNA - Sample Not Analyzed- See Chain of Custody for details

Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

K. Williamson
Kathleen Williamson, Laboratory Manager

Reviewed by:

Joel Corso
Joel Corso, Approved Signatory

Date Issued

07/28/2021

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI



FAX (860) 298-6380

57329

ID 1229-04-21 Parcel 2, 6374 N. Port Washington Road, WI

Exhibits

ID 1229-04-21 #4

Removal, Grading, Backfill

Site Diagram

Photos

*Taken from appraisal done by Metropolitan Appraisals

Location Map

Clearing and Grubbing from Plan and Profile

City of Glendale Demolition Requirements

Asbestos Inspection and Abatement Report

REMOVE: 2,113 SF ranch style single family home with two car attached garage. Enclosed porch, access walks, curbs, steps, and asphalt driveway if applicable. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.


GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions - Article 2 – Item #5.

Floor Plan/Site Diagram – Following Page(s)

BACKFILL: Reference Special Provisions – Article 2 – Item #6

SUBJECT AERIAL



 Property Boundary

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI

PHOTOS OF THE SUBJECT



1.) Front elevation



2.) Front elevation



3.) Rear elevation



4.) Backyard

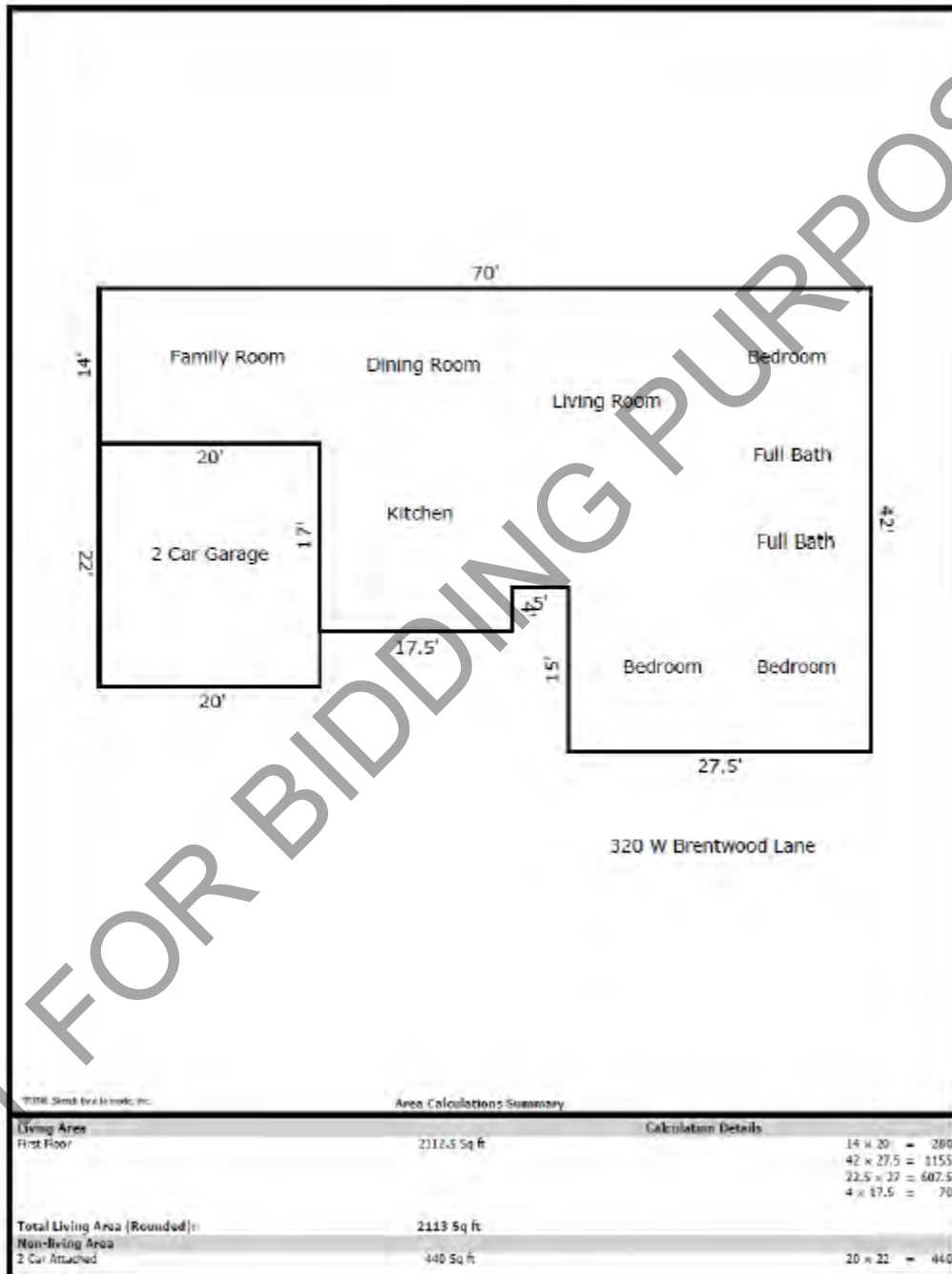


5.) Street scene facing east



6.) Street scene facing west

BUILDING SKETCH



DESCRIPTION OF IMPROVEMENTS

The following improvements description summary is based on an interior inspection as well as review of assessment records, and aerial photographs. A floorplan and photographs of the subject are included on the foregoing pages.

Year built:	1958
Number of stories:	One-story ranch-style
Above grade square feet:	2,113 square feet (based on the appraiser's measurements)
Bedrooms (above grade):	3
Baths (above grade):	2 full
Below grade square feet:	2,113 square feet
Below grade finished area:	None
Building frame:	Brick
Roof type:	Asphalt shingle
Exterior:	Brick
Heating:	Forced air gas furnace
Cooling:	Central air
Garage:	Attached 2-car
Fuel type:	Natural gas
Electrical:	200-amp service
Hot water heater	40-gallon
Porch/deck/patios:	Enclosed porch (21' x 11')
Driveway:	Concrete and asphalt
Landscaping:	Average
Other:	Natural fireplace

Condition:	The interior of the property is in overall average condition. The kitchen cabinetry is original. The roofing material appears to need repair. The tenant reported that there used to be a kitchen and half bath in the basement that was removed due to water infiltration and that some water infiltration still occurs during storms. No professional foundation inspection reports were available for review. It is an extraordinary assumption that the foundation does not require any material repair.
------------	--

Quality of Construction:	Average interior and exterior finishes
--------------------------	--

INTERIOR PHOTOS



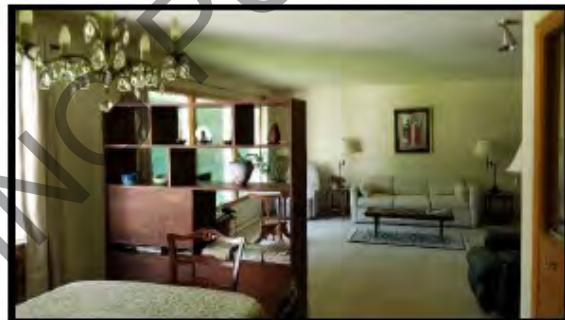
1.) Kitchen



2.) Living room and foyer



3.) Living room and dining room



4.) Living room and dining room



5.) Typical bedroom



6.) Family room

LOCATION MAP

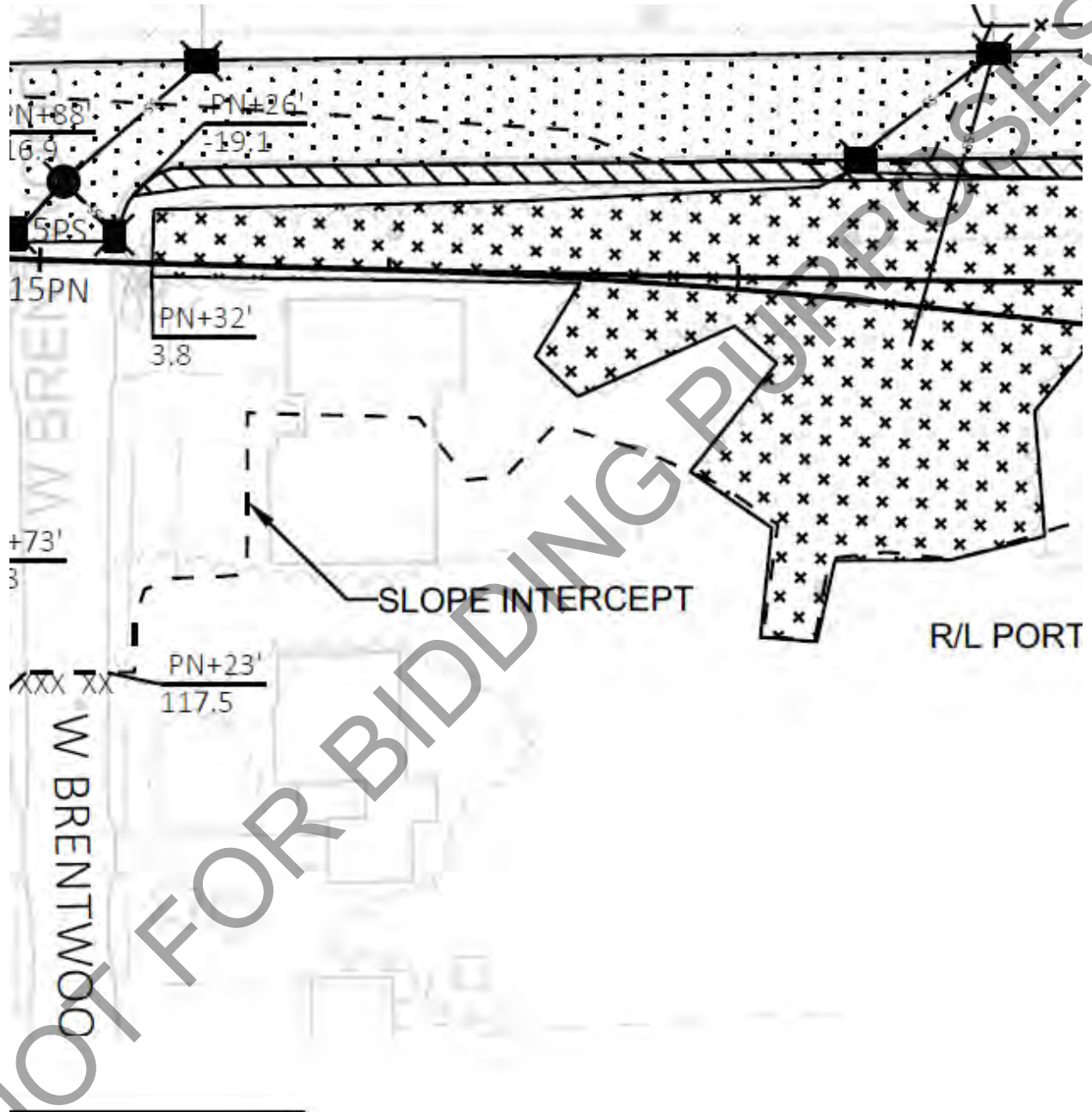


July 21, 2020

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI

CLEARING AND GRUBBING FROM PLAN AND PROFILE

Trees and shrubs that have the "X" shall be removed and stump ground down





CITY OF GLENDALE
CITY SERVICES

5909 North Milwaukee River Parkway
Glendale, Wisconsin 53209-3815

May 11, 2016

[Recipient Name]
[Company Name]
[Street Address]
[City, ST ZIP Code]

Re: [Street Address]

Dear Contractor and/or Owner:

The following guidelines are applicable to the proposed demolition of the above structure:

1. Demolition Permit with Erosion Control Plan including protection of area stormwater inlets.
2. Provide affidavit from WE Energies assuring disconnection of all gas and electric utilities.
3. Provide affidavit from City of Glendale Water Utility assuring disconnection of all water and sewer utilities.
4. Provide affidavit of asbestos abatement from licensed remediation contractor.
5. Provide names of certified asbestos inspector(s) who shall remain on-site during ALL demolition work including copies of active certifications/credentials.
6. Provide site plans addressing the following:
 - a. Intended trucking route with site tracking pad per code requirements
 - b. Street maintenance program. (Sweeping)
 - c. Sidewalk and street closure barricade and signage plans. (Where required.) (All plans must be reviewed and approved by the Glendale Police and Public Works Departments)
 - d. Dust control plan
7. Fill Material: Fill must be clean granular or earthen materials placed and compacted in lifts of 1-foot maximum depth and compact each lift to 90 percent of maximum density as determined by ASTM D698.
8. Site Restoration: A minimum of 5 inches of clear top soil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control measures.

Any questions, you can contact the City of Glendale Building Inspection department at (414) 228-1708 or e-mail at Inspections@glendale-wi.org.



Asbestos-Containing Material and Pre-Demolition Reconnaissance

320 W. Brentwood Lane (Parcel 4)
Glendale, Milwaukee County,
Wisconsin

July 2021

WisDOT Project #1229-04-21

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in black ink, appearing to read "Tom Perkins", written over a horizontal line.

Tom Perkins
WDHFS Asbestos Inspector, All-252595

A handwritten signature in black ink, appearing to read "John Roelke", written over a horizontal line.

John Roelke
WDHFS Asbestos Inspector, All-119523

A handwritten signature in blue ink, appearing to read "Daniel Haak", written over a horizontal line.

Daniel Haak, P.E.
Project Manager

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TABLES

Table 1: Asbestos Survey Log and Bulk Asbestos Analytical Results

FIGURES

Figure 1: Site Location Map

Figure 2: Sampling Location Maps

APPENDICES

Appendix A: Photographs

Appendix B: Laboratory Analytical Results

COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The WisDOT has acquired the property at 320 W. Brentwood Lane (Parcel 4) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC Environmental Corporation (TRC) has been contracted by the WisDOT to perform an asbestos-containing materials (ACM) delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

The following Category I non-friable ACM is present:

- Approximately 30 square feet of black sealant on the roof
- Approximately 25 linear feet of white window glazing around the windows on the exterior of the house
- Approximately 750 square feet of green/white 10"x10" linoleum tiles on the basement floor
- Approximately 200 square feet of yellow/white 10"x10" linoleum tiles on the basement floor

The asbestos must be properly removed and disposed of during the demolition of the building and site clearing of the property.

1.0 Background

1.1 Introduction

The WisDOT has acquired the property at 320 W. Brentwood Lane (Parcel 4) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC has been contracted by the WisDOT to perform an ACM delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

1.2 ACM Inspection

On June 24, 2021, TRC conducted an asbestos inspection of the property in order to determine the extent of ACM in the building, and to identify any ACM that would require management during demolition. This was accomplished by identifying, sampling, characterizing, quantifying, and laboratory-analyzing potential ACM.

2.0 ACM Delineation

2.1 ACM Sampling

TRC conducted an ACM survey of the building on June 24, 2021. Samples of suspect ACM were collected for laboratory analysis in accordance with the United States Environmental Protection Agency's (USEPA's) Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E, as indicated in WDNR and Occupational Safety and Health Administration (OSHA) regulations. A minimum of three randomly distributed samples of each type of material identified as homogeneous (same type, color, and age of application) were collected by Tom Perkins, WDHFS Asbestos Inspector #All-252595 and John Roelke, WDHFS Asbestos Inspector #All-119523. If there was any reason to suspect that the materials might be different, those materials were sampled separately. Samples were collected by hand using hammers, chisels, and utility knives. Sufficient water was applied before and during sample collection to prevent the generation of airborne particulate as a result of sampling activities.

A total of 80 samples were collected during the June sampling event and analyzed for the presence of ACM. Materials sampled included: shingles, roofing caulk/sealant, chimney tape, rubber roofing with fiber backing, window glaze, window caulk, tile, grout, linoleum, mastic, carpet, carpet pad, leveling cement, mortar, brick, insulation with paper backing, drywall with paper backing, and ceiling tile. See Appendix A for photographs and Figure 2 for sample locations.

Collected samples were analyzed by TRC Solutions, Inc. (TRC) in Windsor, Connecticut. Samples were analyzed on a 3-day turnaround basis using polarized light microscopy (PLM) with dispersion staining techniques. Once one sample of a homogeneous material tested positive for asbestos, the remaining samples of that material were not analyzed.

2.2 ACM Sampling Results

The locations and types of the material sampled, the collection date, the sample number, and the condition of the material are presented in Table 1 (Asbestos Survey Log and Bulk Asbestos Analytical Results). Photographs showing representative sampled materials can be found in Appendix A. TRC's laboratory analysis reports are included in Appendix B.

The following Category I non-friable ACM is present:

- Approximately 30 square feet of black sealant on the roof
- Approximately 25 linear feet of white window glazing around the windows on the exterior of the house
- Approximately 750 square feet of green/white 10"x10" linoleum tiles on the basement floor
- Approximately 200 square feet of yellow/white 10"x10" linoleum tiles on the basement floor

3.0 ACM Abatement

3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 30 square feet of black sealant on the roof
- Approximately 25 linear feet of white window glazing around the windows on the exterior of the house
- Approximately 750 square feet of green/white 10"x10" linoleum tiles on the basement floor
- Approximately 200 square feet of yellow/white 10"x10" linoleum tiles on the basement floor

3.2 Regulatory Discussion

Friable ACM is any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM is any material containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. The EPA also defines two categories of non-friable ACM, Category I and Category II non-friable ACM as follows:

- Category I non-friable ACM is any asbestos-containing packing, gasket, resilient floor covering, mastic, or asphalt roofing product that contains more than 1 percent asbestos.
- Category II non-friable ACM is any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

RACM is (a) friable asbestos material; (b) Category I non-friable ACM that has become friable; (c) Category I non-friable ACM that will be, or has been, subjected to sanding, grinding, cutting or abrading; or (d) Category II non-friable ACM that has a high probability of becoming, or has

become, crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition operations.

Both the USEPA's and the WDNR's regulations mandate the removal of regulated ACM prior to demolition. ACM need not be removed before demolition if it is a Category I non-friable ACM that is not friable or a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition. Additionally, all asbestos-containing debris must be handled, transported, and disposed in accordance with the ACM regulations. If ACM is commingled with the demolition debris, the entire pile must be considered to be asbestos-containing material and managed accordingly. This requires disposal in a landfill licensed to accept ACM waste.

Both OSHA and the USEPA regulate the potential health hazards associated with ACM abatement. The USEPA regulates ACM from a general health perspective. USEPA regulations contain language related to many aspects of ACM management, including visible emissions, licensing of workers, disposal, testing, inspections, and site management. OSHA regulations deal with worker exposure on the job and with the methodology to safely handle ACM. The State of Wisconsin regulations incorporate both OSHA and USEPA regulations, and mirror the federal regulations almost exactly. In a few cases, the practice of compliance with Wisconsin regulations is more restrictive than the federal interpretation.

3.3 ACM Removal Plans

All regulated ACM is required to be removed prior to demolition. It will be up to the demolition contractor and their asbestos abatement contractor to determine if the method of demolition will cause any non-friable ACM to become friable. If so, that material would be considered RACM and will be required to be removed prior to demolition. All demolition waste that is commingled with the non-friable asbestos-containing material will be required to be managed as asbestos-containing waste and disposed of at a solid waste landfill permitted to accept such waste.

4.0 Conclusions and Recommendations

The following Category I non-friable ACM is present:

- Approximately 30 square feet of black sealant on the roof
- Approximately 25 linear feet of white window glazing around the windows on the exterior of the house
- Approximately 750 square feet of green/white 10"x10" linoleum tiles on the basement floor
- Approximately 200 square feet of yellow/white 10"x10" linoleum tiles on the basement floor

The asbestos must be properly removed and disposed of during the demolition of the building and site clearing of the property.

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 320 W. Brentwood Lane (Parcel 4)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: June 24, 2021
 Samples Collected By: Tom Perkins, John Roelke
 Asbestos Inspector Number: AI-252595, AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-4-1	Roof	Shingle, top layer	Black/gray	Good	PLM, non-detect	--	0
P-4-2	Roof	Shingle, top layer	Black/gray	Good	PLM, non-detect	--	
P-4-3	Roof	Shingle, top layer	Black/gray	Good	PLM, non-detect	--	
P-4-4	Roof	Shingle, bottom layer	Black/gray	Good	PLM, non-detect	--	0
P-4-5	Roof	Shingle, bottom layer	Black/gray	Good	PLM, non-detect	--	
P-4-6	Roof	Shingle, bottom layer	Black/gray	Good	PLM, non-detect	--	
P-4-7	Roof, by gutter	Caulk/sealant	White	Good	PLM, non-detect	--	0
P-4-8	Roof, by gutter	Caulk/sealant	White	Good	PLM, non-detect	--	
P-4-9	Roof, by gutter	Caulk/sealant	White	Good	PLM, non-detect	--	
P-4-10	Around base of chimney	Chimney tape	Black/silver	Good	PLM, non-detect	--	0
P-4-11	Around base of chimney	Chimney tape	Black/silver	Good	PLM, non-detect	--	
P-4-12	Around base of chimney	Chimney tape	Black/silver	Good	PLM, non-detect	--	
P-4-13	North flat roof	Rubber membrane (layer 1), seam sealant (layer 2), fiber backing (layer 3)	Black (layer 1), Black (layer 2), Brown (layer 3)	Good	PLM, non-detect	--	0
P-4-14	North flat roof	Rubber membrane (layer 1), seam sealant (layer 2), fiber backing (layer 3)	Black (layer 1), Black (layer 2), Brown (layer 3)	Good	PLM, non-detect	--	
P-4-15	South flat roof	Rubber membrane (layer 1), seam sealant (layer 2), fiber backing (layer 3)	Black (layer 1), Black (layer 2), Brown (layer 3)	Good	PLM, non-detect	--	

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 Sample Collection Date: June 24, 2021
 Samples Collected By: Tom Perkins, John Roelke
 Asbestos Inspector Number: AI-252595, AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-4-16	Roof, around base of pipe	Sealant	Black	Good	PLM, 10%	Non-friable	30 sq ft
P-4-17	Roof, around vents	Sealant	Black	Good	NA/PS	Non-friable	
P-4-18	Roof, in valley	Sealant	Black	Good	NA/PS	Non-friable	
P-4-19	House exterior, around south window	Window glaze	White	Good	PLM, 2%	Non-friable	25 lin ft
P-4-20	House exterior, around garage door window	Window glaze	White	Good	NA/PS	Non-friable	
P-4-21	House exterior, around north window	Window glaze	White	Good	NA/PS	Non-friable	
P-4-22	House exterior, around vent, west side	Caulk/sealant	White	Good	PLM, non-detect	--	0
P-4-23	House exterior, around vent, west side	Caulk/sealant	White	Good	PLM, non-detect	--	
P-4-24	House exterior, around vent, west side	Caulk/sealant	White	Good	PLM, non-detect	--	
P-4-25	House exterior, around south window perimeter	Caulk	Gray	Good	PLM, non-detect	--	0
P-4-26	House exterior, around east window perimeter	Caulk	Gray	Good	PLM, non-detect	--	
P-4-27	House exterior, around north window perimeter	Caulk	Gray	Good	PLM, non-detect	--	
P-4-28	Front entrance foyer floor	Grout (layer 1), Slat tile (layer 2)	Gray (layer 1), Lt. Blue, Dk. Brown, Dk Red (layer 2)	Good	PLM, non-detect	--	0
P-4-29	Front entrance foyer floor	Grout (layer 1), Slat tile (layer 2)	Gray (layer 1), Lt. Blue, Dk. Brown, Dk Red (layer 2)	Good	PLM, non-detect	--	
P-4-30	Front entrance foyer floor	Grout (layer 1), Slat tile (layer 2)	Gray (layer 1), Lt. Blue, Dk. Brown, Dk Red (layer 2)	Good	PLM, non-detect	--	
P-4-31	Kitchen floor	Mastic (layer 1), Linoleum (layer 2), Linoleum (layer 3)	Brown (layer 1), Yellow/Black (layer 2), Light/Dark brown (layer 3)	Good	PLM, non-detect	--	0
P-4-32	N. Hallway floor	Mastic (layer 1), Linoleum (layer 2), Linoleum (layer 3)	Brown (layer 1), Yellow/Black (layer 2), Light/Dark brown (layer 3)	Good	PLM, non-detect	--	
P-4-33	Closet floor	Mastic (layer 1), Linoleum (layer 2), Linoleum (layer 3)	Brown (layer 1), Yellow/Black (layer 2), Light/Dark brown (layer 3)	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
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Project Number: 441231.0000.0000
 Sample Collection Date: June 24, 2021
 Samples Collected By: Tom Perkins, John Roelke
 Asbestos Inspector Number: AI-252595, AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-4-34	Dining Room & Living Room	Carpet pad (layer 1), carpet (layer 2)	Yellow/Black (layer 1), Light Brown (layer 2)	Good	PLM, non-detect	--	0
P-4-35	Dining Room & Living Room	Carpet pad (layer 1), carpet (layer 2)	Yellow/Black (layer 1), Light Brown (layer 2)	Good	PLM, non-detect	--	
P-4-36	Dining Room & Living Room	Carpet pad (layer 1), carpet (layer 2)	Yellow/Black (layer 1), Light Brown (layer 2)	Good	PLM, non-detect	--	
P-4-37	House exterior, around vent, south side	Sealant	Black	Good	PLM, non-detect	--	0
P-4-38	House exterior, around vent, south side	Sealant	Black	Good	PLM, non-detect	--	
P-4-39	House exterior, around vent, south side	Sealant	Black	Good	PLM, non-detect	--	
P-4-40	Bathroom 1 walls and shower	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	0
P-4-41	Bathroom 1 walls and shower	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	
P-4-42	Bathroom 1 walls and shower	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	
P-4-43	Bathroom 1 counter top	Leveling cement (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	White (layer 1), White (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	0
P-4-44	Bathroom 1 counter top	Leveling cement (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	White (layer 1), White (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	
P-4-45	Bathroom 1 counter top	Leveling cement (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	White (layer 1), White (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	
P-4-46	Bathroom 1 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Pink (layer 2)	Good	PLM, non-detect	--	0
P-4-47	Bathroom 1 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Pink (layer 2)	Good	PLM, non-detect	--	
P-4-48	Bathroom 1 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Pink (layer 2)	Good	PLM, non-detect	--	
P-4-49	Attic	Paper backing (layer 1), Insulation (layer 2)	Brown (layer 1), White/yellow (layer 2)	Good	PLM, non-detect	--	0
P-4-50	Attic	Paper backing (layer 1), Insulation (layer 2)	Brown (layer 1), White/yellow (layer 2)	Good	PLM, non-detect	--	
P-4-51	Attic	Paper backing (layer 1), Insulation (layer 2)	Brown (layer 1), White/yellow (layer 2)	Good	PLM, non-detect	--	

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SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-4-52	Bathroom 2 walls and tub	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Pink (layer 3)	Good	PLM, non-detect	--	0
P-4-53	Bathroom 2 walls and tub	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Pink (layer 3)	Good	PLM, non-detect	--	
P-4-54	Bathroom 2 walls and tub	Mastic (layer 1), Grout (layer 2), 4"x4" tile (layer 3)	Brown (layer 1), White (layer 2), Pink (layer 3)	Good	PLM, non-detect	--	
P-4-55	Bathroom 2 counter top	Grout (layer 1), 4"x4" tile (layer 2)	White (layer 1), Blue/Yellow (layer 2)	Good	PLM, non-detect	--	
P-4-56	Bathroom 2 counter top	Grout (layer 1), 4"x4" tile (layer 2)	White (layer 1), Blue/Yellow (layer 2)	Good	PLM, non-detect	--	0
P-4-57	Bathroom 2 counter top	Grout (layer 1), 4"x4" tile (layer 2)	White (layer 1), Blue/Yellow (layer 2)	Good	PLM, non-detect	--	
P-4-58	Bathroom 2 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Light/Dark blue (layer 2)	Good	PLM, non-detect	--	
P-4-59	Bathroom 2 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Light/Dark blue (layer 2)	Good	PLM, non-detect	--	
P-4-60	Bathroom 2 floor	Grout (layer 1), 3"x2", 3"x1", 1"x1" tile (layer 2)	Gray (layer 1), Light/Dark blue (layer 2)	Good	PLM, non-detect	--	750 sq ft
P-4-61	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Green/White (layer 2)	Good	PLM, non-detect (layer 1) 10% (layer 2)	Non-friable	
P-4-62	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Green/White (layer 2)	Good	NA/PS	Non-friable	
P-4-63	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Green/White (layer 2)	Good	NA/PS	Non-friable	
P-4-64	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Yellow/White (layer 2)	Good	PLM, non-detect (layer 1) 10% (layer 2)	Non-friable	200 sq ft
P-4-65	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Yellow/White (layer 2)	Good	NA/PS	Non-friable	
P-4-66	Basement floor	Mastic (layer 1), 10"x10" linoleum tile (layer 2)	Black (layer 1), Yellow/White (layer 2)	Good	NA/PS	Non-friable	
P-4-67	Basement stairs	Carpet pad (layer 1), carpet (layer 2)	Maroon (layer 1), Yellow/Black/White (layer 2)	Good	PLM, non-detect	--	
P-4-68	Basement stairs	Carpet pad (layer 1), carpet (layer 2)	Maroon (layer 1), Yellow/Black/White (layer 2)	Good	PLM, non-detect	--	0
P-4-69	Basement stairs	Carpet pad (layer 1), carpet (layer 2)	Maroon (layer 1), Yellow/Black/White (layer 2)	Good	PLM, non-detect	--	

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Samples Collected By: Tom Perkins, John Roelke
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SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-4-70	Fireplace interior	Mortar (layer 1), Brick (layer 2)	Gray (layer 1), Tan (layer 2)	Good	PLM, non-detect	--	0
P-4-71	Fireplace interior	Mortar (layer 1), Brick (layer 2)	Gray (layer 1), Tan (layer 2)	Good	PLM, non-detect	--	
P-4-72	Fireplace interior	Mortar (layer 1), Brick (layer 2)	Gray (layer 1), Tan (layer 2)	Good	PLM, non-detect	--	
P-4-73	Porch ceiling	12"x12" ceiling tile	White/gray	Good	PLM, non-detect	--	0
P-4-74	Porch ceiling	12"x12" ceiling tile	White/gray	Good	PLM, non-detect	--	
P-4-75	Porch ceiling	12"x12" ceiling tile	White/gray	Good	PLM, non-detect	--	
P-4-76	Living Room walls	Paper backing (layer 1), Drywall (layer 2)	Brown (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-4-77	Kitchen walls	Paper backing (layer 1), Drywall (layer 2)	Brown (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-4-78	East Hallway walls	Paper backing (layer 1), Drywall (layer 2)	Brown (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-4-79	Basement walls	Paper backing (layer 1), Drywall (layer 2)	Brown (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-4-80	Garage walls	Paper backing (layer 1), Drywall (layer 2)	Brown (layer 1), White (layer 2)	Good	PLM, non-detect	--	

Notes:

PLM = Polarized Light Microscopy

NA/PS = Not Analyzed, Positive Stop

1. Inspection was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21 35-45.

Condition Description:

Good: The material shows no visible damage or deterioration, or shows only limited damage or deterioration.**Damaged:** The material is friable that has deteriorated or sustained physical damage.**Significantly damaged:** The material is friable that has sustained extensive or severe damage.

Created By: A. Voit

Checked By: D. Haak

FIGURE 1 - SITE LOCATION MAP

320 W. BRENTWOOD LANE (PARCEL 4), GLENDALE

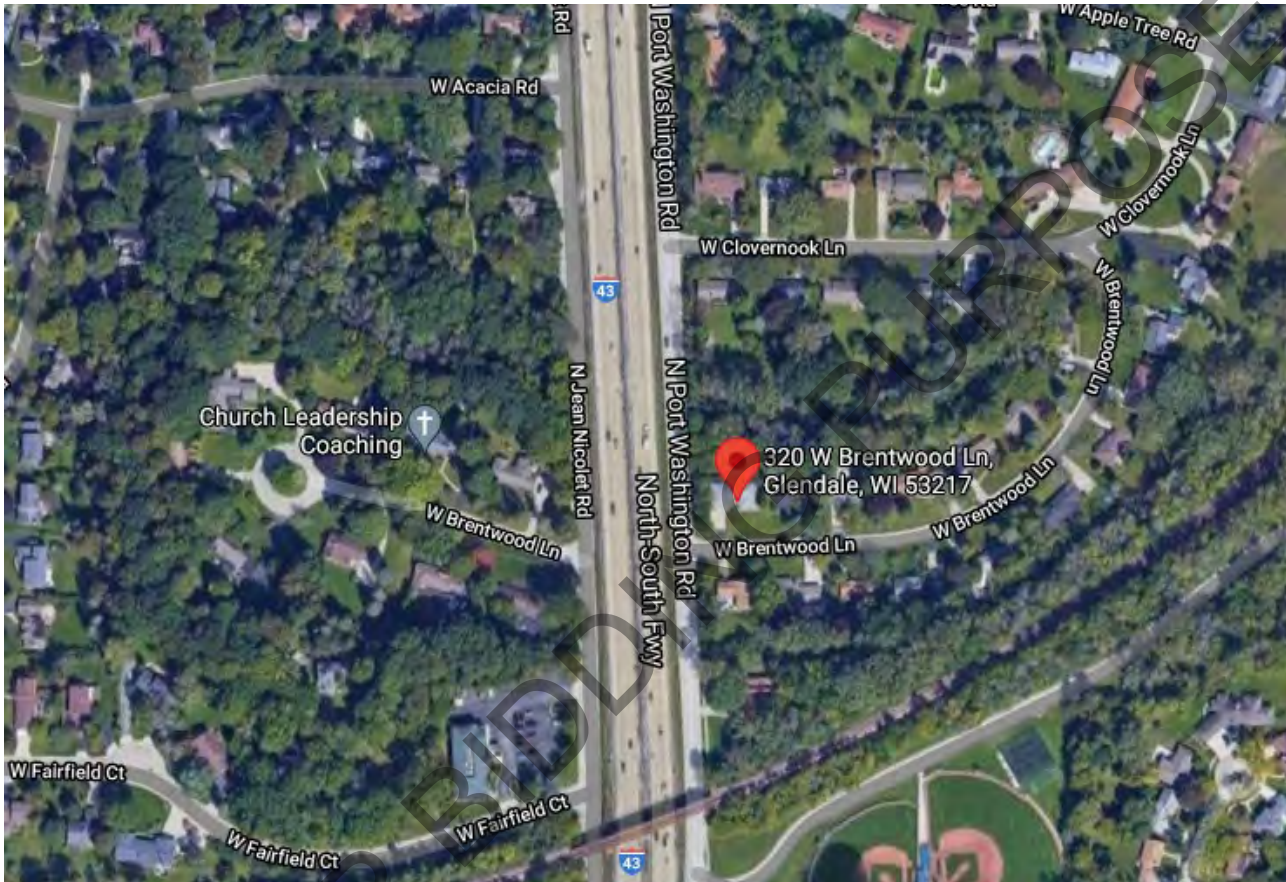


Figure 2



Parcel 4 -
SUBJECT Exterior / Roof

SHEET NO. 1 OF 3
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

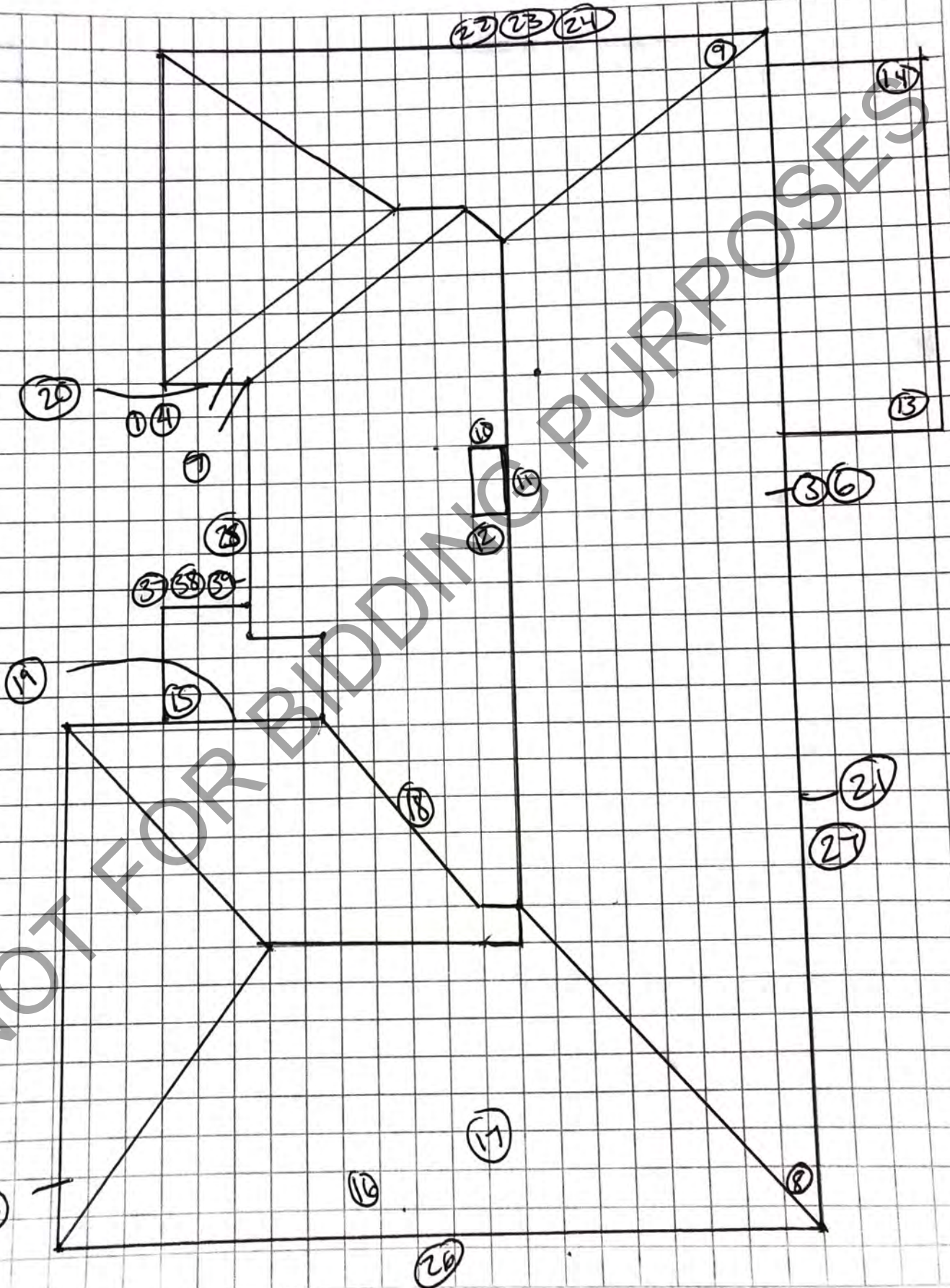




Figure 2

Parcel 4 -
SUBJECT Basement

SHEET NO. 2 OF 3
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

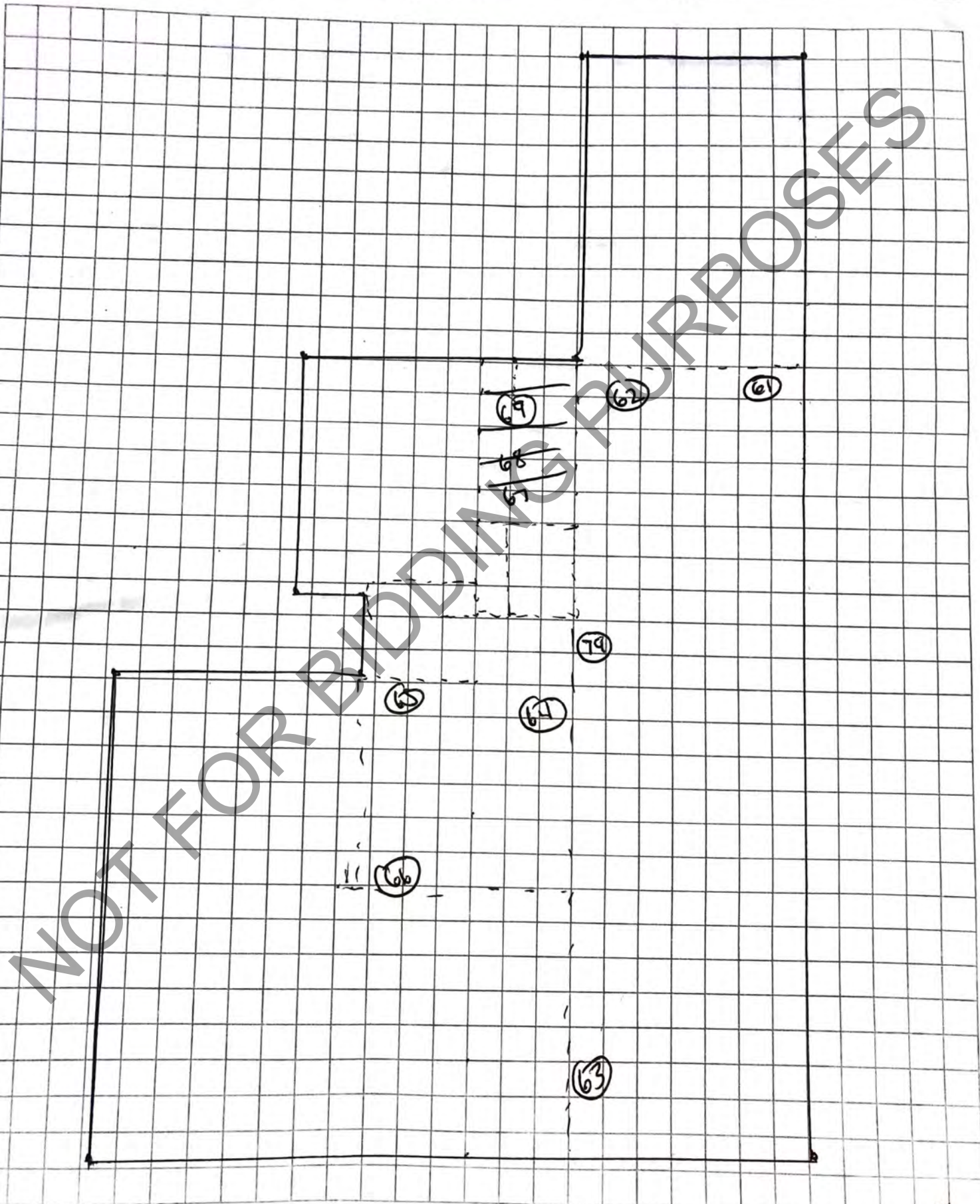


Figure 2



SUBJECT

Parcel 4 -
Main floor

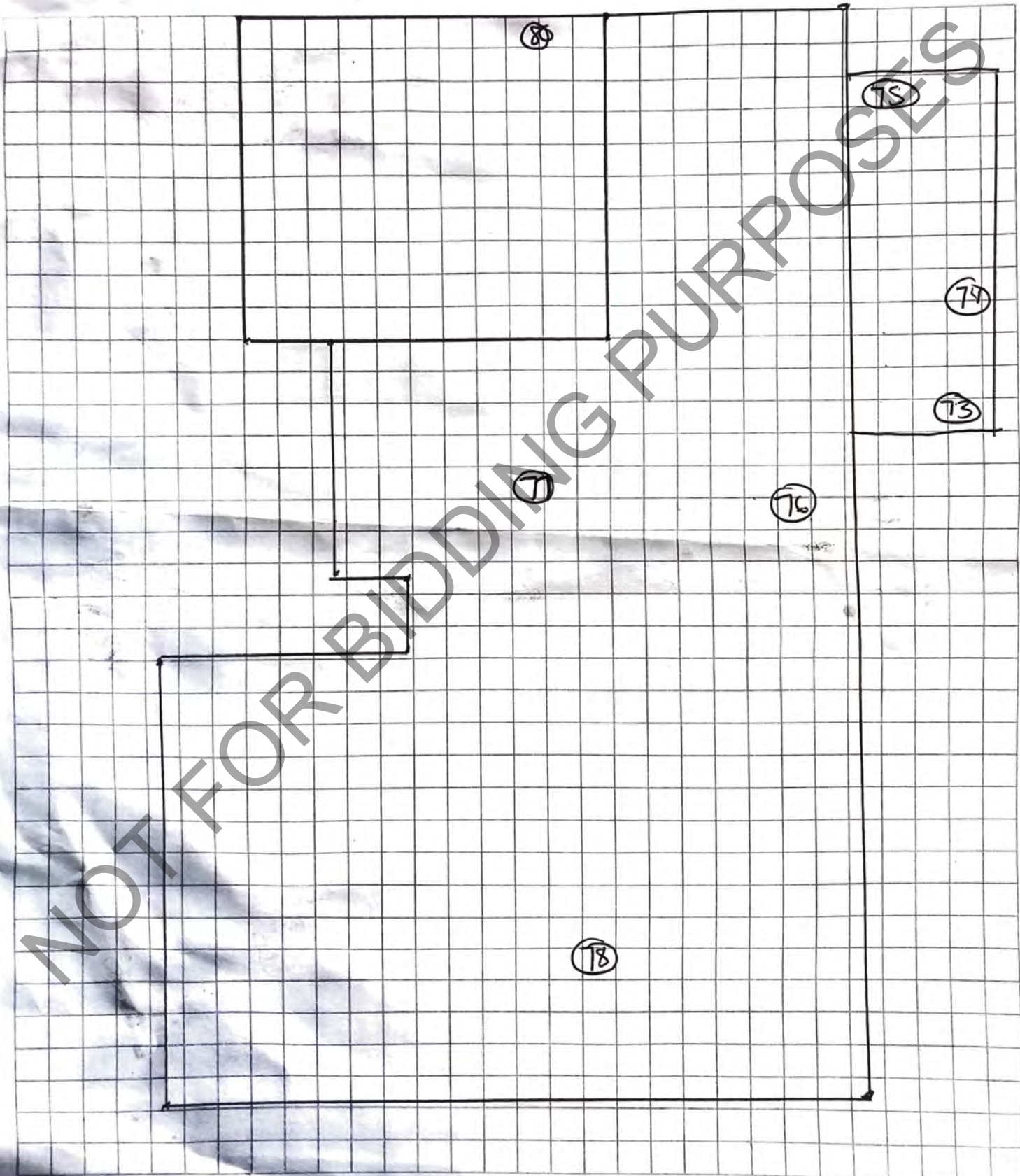
SHEET NO. 3 OF 3

PROJECT NO. _____

DATE _____

BY _____

CHK'D _____



Appendix A: Photographs

NOT FOR BIDDING PURPOSES

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 1	Date 6/24/2021		
Description Front of house			
Photo No. 2	Date 6/24/2021		
Description Back of house			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 3	Date 6/24/2021		
Description Side of house			
Photo No. 4	Date 6/24/2021		
Description Side of house			



Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 5	Date 6/24/2021		
Description Inside of garage, drywall with paper backing on walls non-detect for ACM			
Photo No. 6	Date 6/24/2021		
Description Roof			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 7	Date 6/24/2021		
Description Roof			
Photo No. 8	Date 6/24/2021		
Description Top layer of shingles on roof, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 9	Date 6/24/2021		
Description Bottom layer of shingles on roof, non-detect for ACM			
Photo No. 10	Date 6/24/2021		
Description White caulk/sealant on roof by gutter, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 11	Date 6/24/2021		
Description Tape around base of chimney, non-detect for ACM			
Photo No. 12	Date 6/24/2021		
Description Rubber membrane, seam sealant, and fiber backing on flat roof, all non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 13	Date 6/24/2021	<div>   </div>	
Description Black sealant around pipes and vents on roof, contains 10% non-friable ACM			
Photo No. 14	Date 6/24/2021		
Description Black sealant in valley on roof, contains 10% non-friable ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 15	Date 6/24/2021		
Description Window glaze around windows on the exterior of house and garage door window, contains 2% non-friable ACM			
Photo No. 16	Date 6/24/2021		
Description Location of window glaze			

Photographic Log



Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 17	Date 6/24/2021		
Description White caulk/sealant around pipes on house exterior, non-detect for ACM			

Photo No. 18	Date 6/24/2021		
Description Gray caulk around window perimeter on house exterior, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 19	Date 6/24/2021		
Description Front entrance/Foyer			
Photo No. 20	Date 6/24/2021		
Description Foyer			

Photographic Log


Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 21	Date 6/24/2021		
Description Slate tile and grout on foyer floor, both non-detect for ACM			

Photo No. 22	Date 6/24/2021	
Description Kitchen		

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 23	Date 6/24/2021		
Description Kitchen, drywall with paper backing on walls non-detect for ACM			
Photo No. 24	Date 6/24/2021		
Description Hallway			

Photographic Log


Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 25	Date 6/24/2021		
Description Two layers of linoleum and mastic on kitchen, closet & hallway floors, all non-detect for ACM			

Photo No. 26	Date 6/24/2021	
Description Living room		

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 27	Date 6/24/2021		
Description Living/Dining room, drywall with paper backing on walls, non-detect for ACM			
Photo No. 28	Date 6/24/2021		
Description Carpet and pad on living room and dining room floor, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 29	Date 6/24/2021		
Description Black caulk/sealant around vent on house exterior, non-detect for ACM			
Photo No. 30	Date 6/24/2021		
Description Bedroom, drywall with paper backing on walls non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 31	Date 6/24/2021		
Description Bedroom			
Photo No. 32	Date 6/24/2021		
Description Hallway, drywall with paper backing on walls non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
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Photo No. 33	Date 6/24/2021	
Description Family room		

Photo No. 34	Date 6/24/2021	
Description Family room		


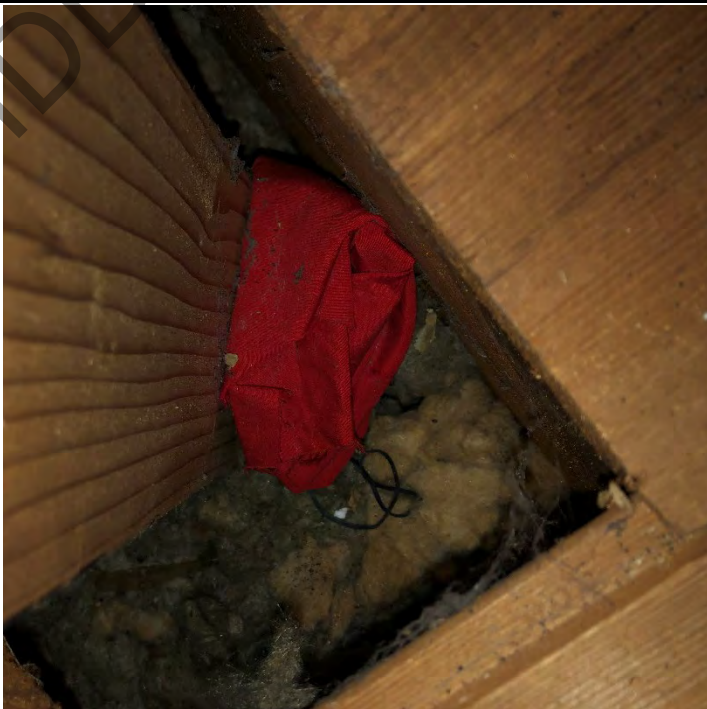
Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 35	Date 6/24/2021		
Description Bathroom 1			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 37	Date 6/24/2021		
Description Mastic, grout, and blue tile on walls in Bathroom 1, all non-detect for ACM			
Photo No. 38	Date 6/24/2021		
Description Leveling cement, grout, and tile on countertop in Bathroom 1, all non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 39	Date 6/24/2021		
Description Grout and tile on floor in Bathroom 1, both non-detect for ACM			
Photo No. 40	Date 6/24/2021		
Description Insulation with paper backing in attic, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 41	Date 6/24/2021		
Description Bathroom 2			
Photo No. 42	Date 6/24/2021		
Description Bathroom 2			



Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 43	Date 6/24/2021		
Description Mastic, grout, and pink tile on walls in Bathroom 2, all non-detect for ACM			
Photo No. 44	Date 6/24/2021		
Description Grout and tile on countertop in Bathroom 2, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 45	Date 6/24/2021		
Description Grout and tile on floor in Bathroom 2, both non-detect for ACM			
Photo No. 46	Date 6/24/2021		
Description Stairway to basement			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 47	Date 6/24/2021		
Description Carpet and pad on basement stairs, both non-detect for ACM			
Photo No. 48	Date 6/24/2021		
Description Basement			

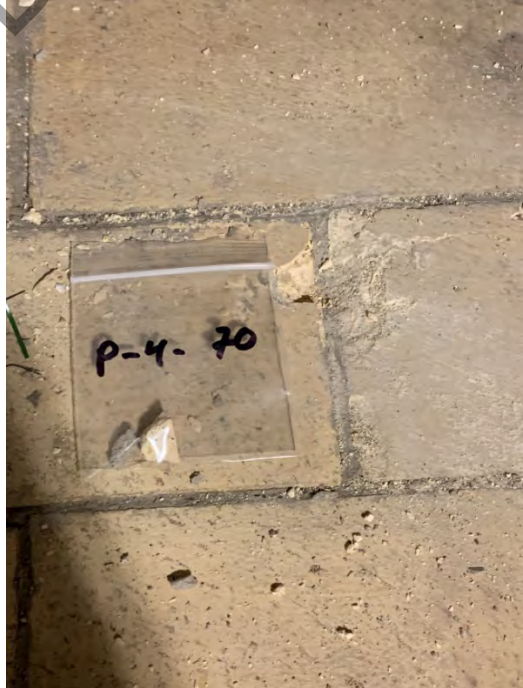
Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 49	Date 6/24/2021		
Description Basement			
Photo No. 50	Date 6/24/2021		
Description Green & white linoleum tiles and mastic on basement floor. Tiles contain 10% non-friable ACM, mastic is non-detect for ACM.			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 51	Date 6/24/2021		
Description Basement			
Photo No. 52	Date 6/24/2021		
Description Yellow & white linoleum tiles and mastic on basement floor. Tiles contain 10% non-friable ACM, mastic is non-detect for ACM.			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 53	Date 6/24/2021		
Description Fireplace interior			
Photo No. 54	Date 6/24/2021		
Description Mortar and brick on interior of fireplace, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 320 W. Brentwood Lane (Parcel 4), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 55	Date 6/24/2021		
Description Back porch			
Photo No. 56	Date 6/24/2021		
Description Ceiling tiles on back porch, non-detect for ACM			

Appendix B: Laboratory Analytical Results

NOT FOR BIDDING PURPOSES



BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057174
Project #: 441231.0000.0000
Date Received: 06/30/2021
Date Analyzed: 07/01/2021

Site: Parcel 4, Glendale, WI

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-4-1	Roof, house exterior	Black/Grey shingle, top layer	20% fibrous glass	ND	None
P-4-2	Roof, house exterior	Black/Grey shingle, top layer	20% fibrous glass	ND	None
P-4-3	Roof, house exterior	Black/Grey shingle, top layer	20% fibrous glass	ND	None
P-4-4	Roof, house exterior	Black/Grey shingle, bottom layer	20% cellulose	ND	None
P-4-5	Roof, house exterior	Black/Grey shingle, bottom layer	20% cellulose	ND	None
P-4-6	Roof, house exterior	Black/Grey shingle, bottom layer	20% cellulose	ND	None
P-4-7	Roof gutters, house exterior	White caulk/sealant	- - -	ND	None
P-4-8	Roof gutters, house exterior	White caulk/sealant	- - -	ND	None
P-4-9	Roof gutters, house exterior	White caulk/sealant	- - -	ND	None
P-4-10	Chimney, roof exterior	Black/Silver chimney tape	- - -	ND	None
P-4-11	Chimney, roof exterior	Black/Silver chimney tape	- - -	ND	None
P-4-12	Chimney, roof exterior	Black/Silver chimney tape	- - -	ND	None
P-4-13	North flat roof, house exterior	LAYER 1 Black rubber membrane	- - -	ND	None
P-4-13		LAYER 2 Black seam sealant	- - -	ND	None
P-4-13		LAYER 3 Brown fiber backing	80% cellulose	ND	None
P-4-14	North flat roof, house exterior	LAYER 1 Black rubber membrane	- - -	ND	None
P-4-14		LAYER 2 Black seam sealant	- - -	ND	None
P-4-14		LAYER 3 Brown fiber backing	80% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-4-15	South flat roof, house exterior	LAYER 1 Black rubber membrane	---		ND	None
P-4-15		LAYER 2 Black seam sealant	---		ND	None
P-4-15		LAYER 3 Brown fiber backing	80%	cellulose	ND	None
P-4-16	Roof, house exterior	Black sealant	5%	cellulose	10%	Chrysotile
P-4-17	Roof, house exterior	--	--		NA/PS	--
P-4-18	Roof, house exterior	--	--		NA/PS	--
P-4-19	Window, exterior, south	White window glaze	---		2%	Chrysotile
P-4-20	Garage door window, exterior	--	--		NA/PS	--
P-4-21	Window, exterior, north	--	--		NA/PS	--
P-4-22	Venting, house exterior, west	White caulk/sealant	5%	cellulose	ND	None
P-4-23	Venting, house exterior, west	White caulk/sealant	5%	cellulose	ND	None
P-4-24	Venting, house exterior, west	White caulk/sealant	5%	cellulose	ND	None
P-4-25	Window perimeter, exterior, south	Grey caulk	5%	cellulose	ND	None
P-4-26	Window perimeter, exterior, east	Grey caulk	5%	cellulose	ND	None
P-4-27	window perimeter, exterior, north	Grey caulk	5%	cellulose	ND	None
P-4-28	Front entrance foyer	LAYER 1 Grey grout	---		ND	None
P-4-28		LAYER 2 Light Blue/Dark Brown/Dark Red slate tile	---		ND	None
P-4-29	Front entrance foyer	LAYER 1 Grey grout	---		ND	None
P-4-29		LAYER 2 Light Blue/Dark Brown/Dark Red slate tile	---		ND	None
P-4-30	Front entrance foyer	LAYER 1 Grey grout	---		ND	None
P-4-30		LAYER 2 Light Blue/Dark Brown/Dark Red slate tile	---		ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-4-31	Kitchen	LAYER 1 Brown mastic	---		ND	None
P-4-31		LAYER 2 Yellow/Black linoleum	60% 20%	cellulose synthetic fiber	ND	None
P-4-31		LAYER 3 Light Brown/Dark Brown linoleum	---		ND	None
P-4-32	N. Hallway	LAYER 1 Brown mastic	---		ND	None
P-4-32		LAYER 2 Yellow/Black linoleum	60% 20%	cellulose synthetic fiber	ND	None
P-4-32		LAYER 3 Light Brown/Dark Brown linoleum	---		ND	None
P-4-33	Closet	LAYER 1 Yellow mastic	---		ND	None
P-4-33		LAYER 2 Yellow/Black linoleum	60% 20%	cellulose synthetic fiber	ND	None
P-4-33		LAYER 3 Light Brown/Dark Brown linoleum	---		ND	None
P-4-34	Dining Room & Living Room	LAYER 1 Yellow/Black carpet pad	---		ND	None
P-4-34		LAYER 2 Light Brown carpet	90%	synthetic fiber	ND	None
P-4-35	Dining Room & Living Room	LAYER 1 Yellow/Black carpet pad	---		ND	None
P-4-35		LAYER 2 Light Brown carpet	90%	synthetic fiber	ND	None
P-4-36	Dining Room & Living Room	LAYER 1 Yellow/Black carpet pad	---		ND	None
P-4-36		LAYER 2 Light Brown carpet	90%	synthetic fiber	ND	None
P-4-37	Exterior vent, south	Black sealant	20%	fibrous glass	ND	None
P-4-38	Exterior vent, south	Black sealant	20%	fibrous glass	ND	None
P-4-39	Exterior vent, south	Black sealant	20%	fibrous glass	ND	None
P-4-40	Bathroom 1 Walls & Shower	LAYER 1 Brown mastic	---		ND	None
P-4-40		LAYER 2 White grout	---		ND	None
P-4-40		LAYER 3 Blue 4"x4" ceramic tile	---		ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-4-41	Bathroom 1 Walls & Shower	LAYER 1 Brown mastic	---	ND	None
P-4-41		LAYER 2 White grout	---	ND	None
P-4-41		LAYER 3 Blue 4"x4" ceramic tile	---	ND	None
P-4-42	Bathroom 1 Walls & Shower	LAYER 1 Brown mastic	---	ND	None
P-4-42		LAYER 2 White grout	---	ND	None
P-4-42		LAYER 3 Blue 4"x4" ceramic tile	---	ND	None
P-4-43	Bathroom 1 Counter Top	LAYER 1 White leveling cement	---	ND	None
P-4-43		LAYER 2 White grout	---	ND	None
P-4-43		LAYER 3 Light Grey 4"x4" ceramic tile	---	ND	None
P-4-44	Bathroom 1 Counter Top	LAYER 1 White leveling cement	---	ND	None
P-4-44		LAYER 2 White grout	---	ND	None
P-4-44		LAYER 3 Light Grey 4"x4" ceramic tile	---	ND	None
P-4-45	Bathroom 1 Counter Top	LAYER 1 White leveling cement	---	ND	None
P-4-45		LAYER 2 White grout	---	ND	None
P-4-45		LAYER 3 Light Grey 4"x4" ceramic tile	---	ND	None
P-4-46	Bathroom 1 Floor	LAYER 1 Grey grout	---	ND	None
P-4-46		LAYER 2 Pink 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None
P-4-47	Bathroom 1 Floor	LAYER 1 Grey grout	---	ND	None
P-4-47		LAYER 2 Pink 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None
P-4-48	Bathroom 1 Floor	LAYER 1 Grey grout	---	ND	None
P-4-48		LAYER 2 Pink 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None
P-4-49	Attic	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-49		LAYER 2 White/Yellow insulation	99% fibrous glass	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-4-50	Attic	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-50		LAYER 2 White/Yellow insulation	99% fibrous glass	ND	None
P-4-51	Attic	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-51		LAYER 2 White/Yellow insulation	99% fibrous glass	ND	None
P-4-52	Bathroom 2 Walls & Tub	LAYER 1 Brown mastic	---	ND	None
P-4-52		LAYER 2 White grout	---	ND	None
P-4-52		LAYER 3 Pink 4"x4" ceramic tile	---	ND	None
P-4-53	Bathroom 2 Walls & Tub	LAYER 1 Brown mastic	---	ND	None
P-4-53		LAYER 2 White grout	---	ND	None
P-4-53		LAYER 3 Pink 4"x4" ceramic tile	---	ND	None
P-4-54	Bathroom 2 Walls & Tub	LAYER 1 Brown mastic	---	ND	None
P-4-54		LAYER 2 White grout	---	ND	None
P-4-54		LAYER 3 Pink 4"x4" ceramic tile	---	ND	None
P-4-55	Bathroom 2 Counter Top	LAYER 1 White grout	---	ND	None
P-4-55		LAYER 2 Blue/Yellow 4"x4" ceramic tile	---	ND	None
P-4-56	Bathroom 2 Counter Top	LAYER 1 White grout	---	ND	None
P-4-56		LAYER 2 Blue/Yellow 4"x4" ceramic tile	---	ND	None
P-4-57	Bathroom 2 Counter Top	LAYER 1 White grout	---	ND	None
P-4-57		LAYER 2 Blue/Yellow 4"x4" ceramic tile	---	ND	None
P-4-58	Bathroom 2 Floor	LAYER 1 Grey grout	---	ND	None
P-4-58		LAYER 2 Light Blue/Dark Blue 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None
P-4-59	Bathroom 2 Floor	LAYER 1 Grey grout	---	ND	None
P-4-59		LAYER 2 Light Blue/Dark Blue 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-4-60	Bathroom 2 Floor	LAYER 1 Grey grout	---	ND	None
P-4-60		LAYER 2 Light Blue/Dark Blue 3"x2", 3"x1", 1"x1" ceramic tile	---	ND	None
P-4-61	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-61		LAYER 2 Green/White 10"x10" linoleum tile	---	10%	Chrysotile
P-4-62	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-62		--	--	NA/PS	--
P-4-63	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-63		--	--	NA/PS	--
P-4-64	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-64		LAYER 2 Yellow/White 10"x10" linoleum tile	---	10%	Chrysotile
P-4-65	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-65		--	--	NA/PS	--
P-4-66	Basement floor	LAYER 1 Black mastic	---	ND	None
P-4-66		--	--	NA/PS	--
P-4-67	Basement stairs	LAYER 1 Maroon carpet padding	---	ND	None
P-4-67		LAYER 2 Yellow/Black/White carpet	---	ND	None
P-4-68	Basement stairs	LAYER 1 Maroon carpet padding	---	ND	None
P-4-68		LAYER 2 Yellow/Black/White carpet	---	ND	None
P-4-69	Basement stairs	LAYER 1 Maroon carpet padding	---	ND	None
P-4-69		LAYER 2 Yellow/Black/White carpet	---	ND	None
P-4-70	Living Room Fire Place	LAYER 1 Grey mortar	---	ND	None
P-4-70		LAYER 2 Tan brick	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
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ME LA-0075, LB-0071 MA #AA000052
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NY #10980 WV #000622
NJ #CT004 CA #2907

PA#68-03387
ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-4-71	Living Room Fire Place	LAYER 1 Grey mortar	---	ND	None
P-4-71		LAYER 2 Tan brick	---	ND	None
P-4-72	Living Room Fire Place	LAYER 1 Grey mortar	---	ND	None
P-4-72		LAYER 2 Tan brick	---	ND	None
P-4-73	Porch ceiling	White/Grey 12"x12" ceiling tile	60% cellulose 10% mineral wool	ND	None
P-4-74	Porch ceiling	White/Grey 12"x12" ceiling tile	60% cellulose 10% mineral wool	ND	None
P-4-75	Porch ceiling	White/Grey 12"x12" ceiling tile	60% cellulose 10% mineral wool	ND	None
P-4-76	Living Room	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-76		LAYER 2 White drywall	2% cellulose	ND	None
P-4-77	Kitchen	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-77		LAYER 2 White drywall	2% cellulose	ND	None
P-4-78	East Hallway	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-78		LAYER 2 White drywall	2% cellulose	ND	None
P-4-79	Basement	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-79		LAYER 2 White drywall	2% cellulose	ND	None
P-4-80	Garage	LAYER 1 Brown paper backing	99% cellulose	ND	None
P-4-80		LAYER 2 White drywall	2% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

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RI #PLM0007 TX #300354
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AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-----------------	----------------------------------	------------------------	------------	---------------

ND - asbestos was not detected

Trace - asbestos was observed at level of 1% or less - This is the reporting limit

NA/PS - Not Analyzed / Positive Stop

SNA - Sample Not Analyzed- See Chain of Custody for details

Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

K. Williamson

Kathleen Williamson, Laboratory Manager

Reviewed by:

Joel Corso

Joel Corso, Approved Signatory

Date Issued

07/06/2021

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
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AIHA-LAP, LLC #100122 CT #PH-0426
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AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 4, 320 W. Brentwood Lane, Glendale, WI

Edition: January 2020

NOT FOR BIDDING PURPOSES

Exhibits

ID 1229-04-21 #6

Removal, Grading, Backfill

Site Diagram

Photos

*Taken from appraisal done by Metropolitan Appraisals

Location Map

Clearing and Grubbing from Plan and Profile

City of Glendale Demolition Requirements

Asbestos Inspection and Abatement Report

REMOVE: 1,744 SF cape cod style single family home with two car attached garage. Access walks, curbs, steps, and asphalt driveway if applicable. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions. The owners had mentioned that there may be an abandoned well along the west side of the house.


GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions - Article 2 – Item #5.

Floor Plan/Site Diagram – Following Page(s)

BACKFILL: Reference Special Provisions – Article 2 – Item #6

SUBJECT AERIAL



 Property Boundary

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI

PHOTOS OF THE SUBJECT



1.) Front elevation



2.) Front elevation



3.) Rear elevation



4.) Back yard

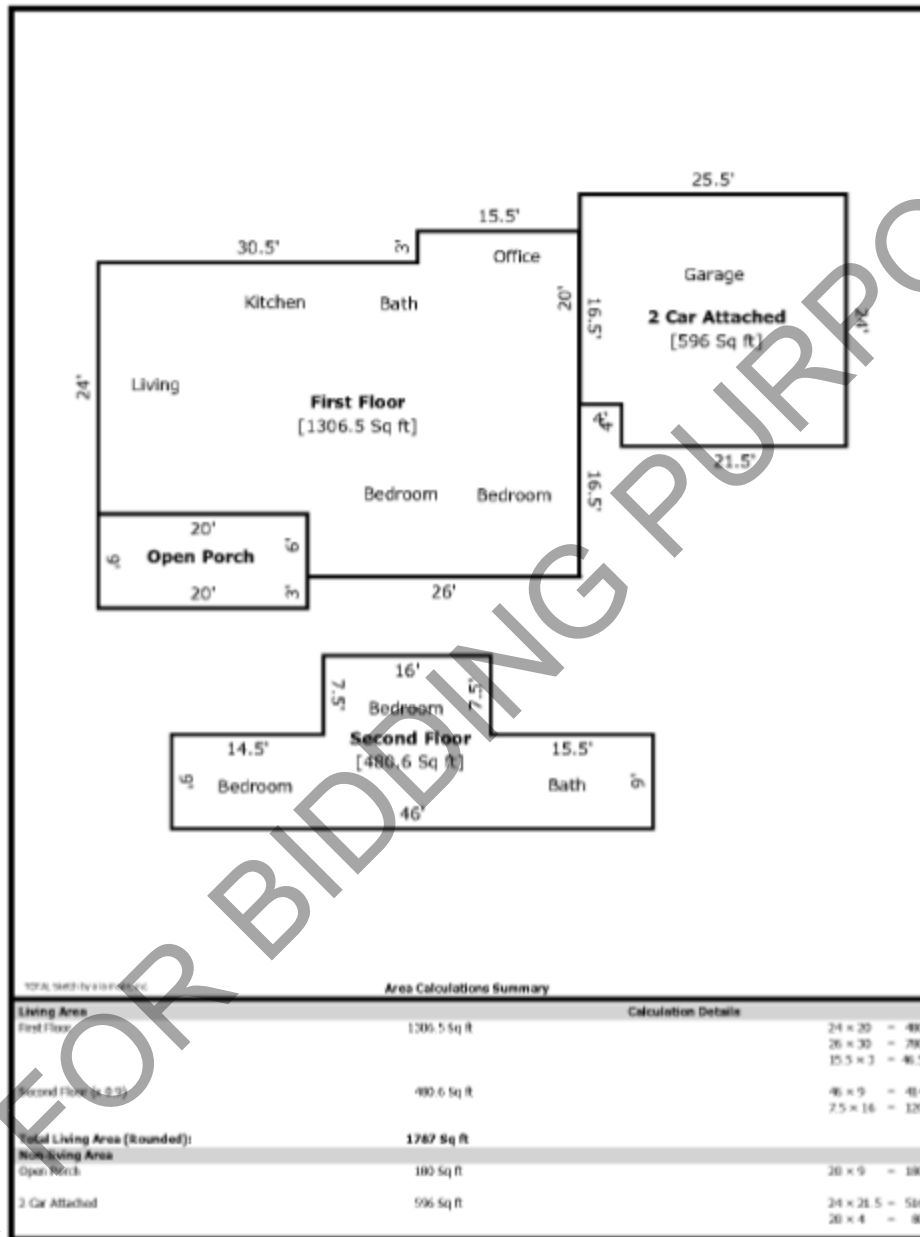


5.) Port Washington Road frontage



6.) Clovernook Lane frontage

BUILDING SKETCH



TOTAL Sketch software by a la mode, inc. 1-800-alamodo

DESCRIPTION OF IMPROVEMENTS

The following improvements description summary is based on an interior inspection as well as review of assessment records, and aerial photographs. A floorplan and photographs of the subject are included on the foregoing pages.

Year built:	1953
Number of stories:	2-story, contemporary
First-floor square feet:	1,744 square feet
Second-floor square feet:	840 square feet
Total square feet:	2,584 square feet
Bedrooms (above grade):	3 plus studio
Baths (above grade):	2 full
Below grade square feet:	1,744 square feet
Below grade finished area:	500 +/- square feet
Building frame:	Wood
Roof type:	Asphalt shingle
Exterior:	Stone and wood
Garage:	Attached 2-car
Heating:	Forced-air gas furnace
Cooling:	Central air
Fuel type:	Natural gas
Electrical:	Adequate
Hot water heater	Gas
Porch/deck/patios:	Small deck
Driveway:	Concrete
Landscaping:	High-quality entry landscaping
Other:	Natural fireplace
Condition:	The interior of the property was in overall average condition with newer hardwood flooring in kitchen and dining room reported.
Quality of Construction:	Overall, good quality interior and exterior finishes

INTERIOR PHOTOS



1.) Living Room



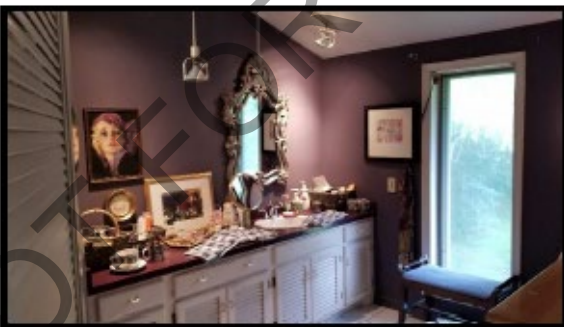
2.) Dining Room



3.) Kitchen



4.) Bedroom

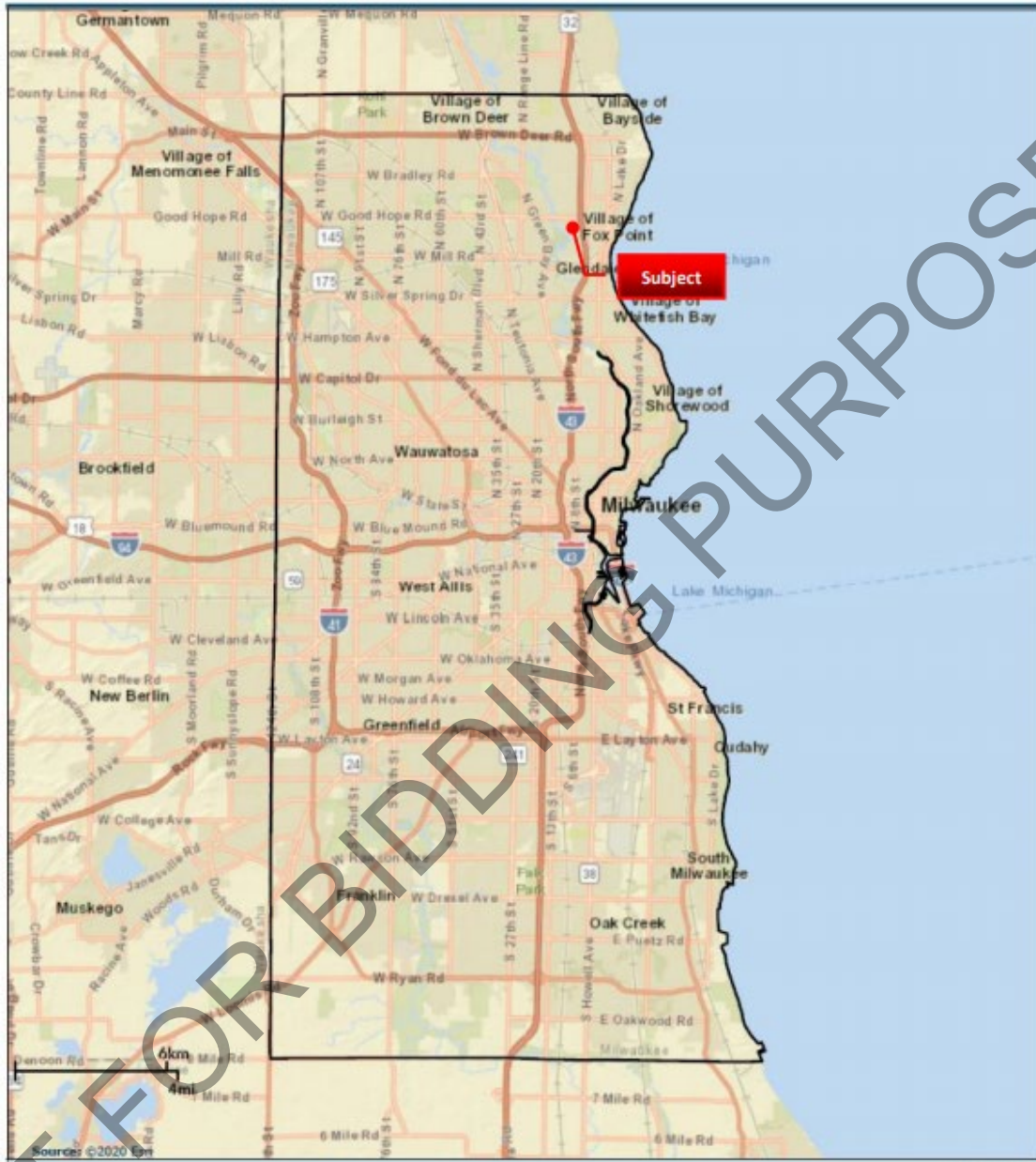


5.) Master Bathroom



6.) Recreation room

LOCATION MAP

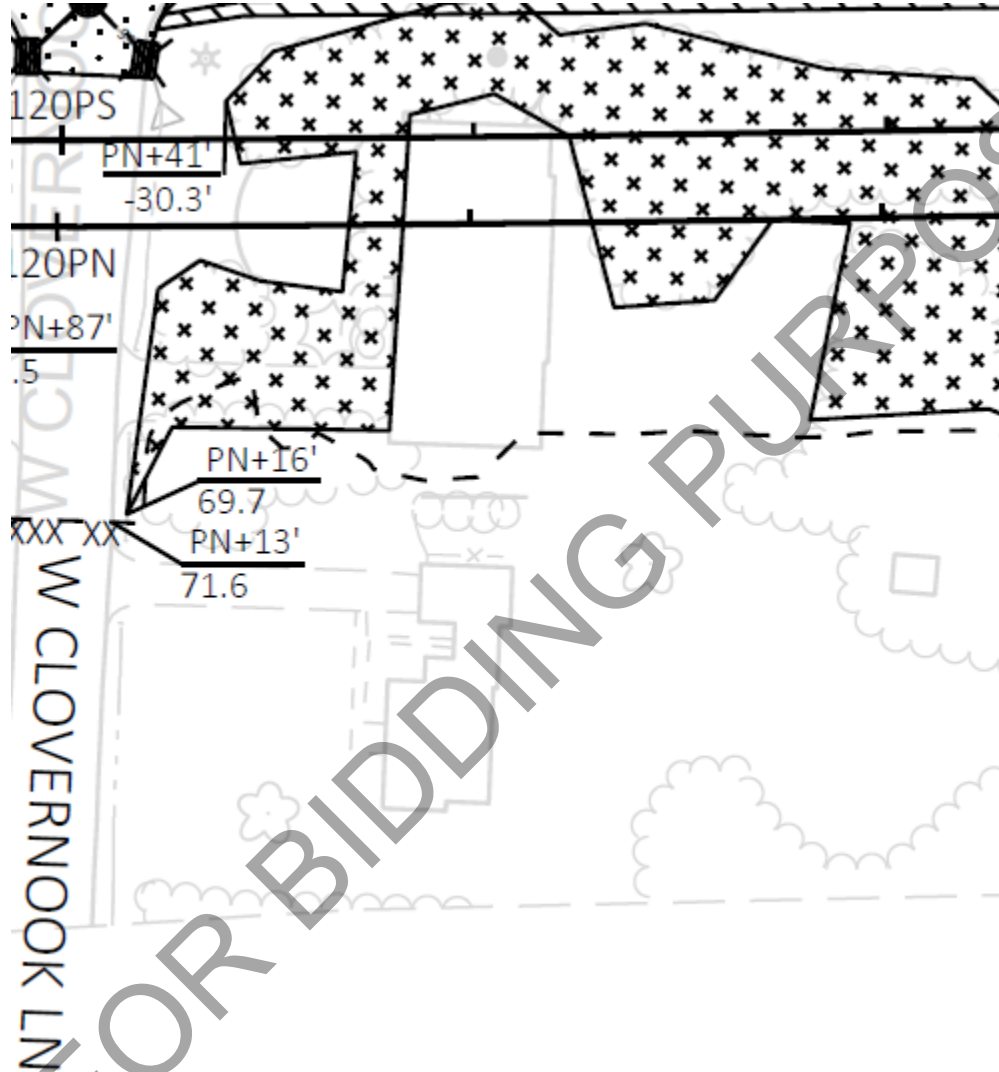


July 21, 2020

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI

CLEARING AND GRUBBING FROM PLAN AND PROFILE

Trees and shrubs that have the "X" shall be removed and stump ground down





CITY OF GLENDALE
CITY SERVICES

5909 North Milwaukee River Parkway
Glendale, Wisconsin 53209-3815

May 11, 2016

[Recipient Name]
[Company Name]
[Street Address]
[City, ST ZIP Code]

Re: [Street Address]

Dear Contractor and/or Owner:

The following guidelines are applicable to the proposed demolition of the above structure:

1. Demolition Permit with Erosion Control Plan including protection of area stormwater inlets.
2. Provide affidavit from WE Energies assuring disconnection of all gas and electric utilities.
3. Provide affidavit from City of Glendale Water Utility assuring disconnection of all water and sewer utilities.
4. Provide affidavit of asbestos abatement from licensed remediation contractor.
5. Provide names of certified asbestos inspector(s) who shall remain on-site during ALL demolition work including copies of active certifications/credentials.
6. Provide site plans addressing the following:
 - a. Intended trucking route with site tracking pad per code requirements
 - b. Street maintenance program. (Sweeping)
 - c. Sidewalk and street closure barricade and signage plans. (Where required.) (All plans must be reviewed and approved by the Glendale Police and Public Works Departments)
 - d. Dust control plan
7. Fill Material: Fill must be clean granular or earthen materials placed and compacted in lifts of 1-foot maximum depth and compact each lift to 90 percent of maximum density as determined by ASTM D698.
8. Site Restoration: A minimum of 5 inches of clear top soil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control measures.

Any questions, you can contact the City of Glendale Building Inspection department at (414) 228-1708 or e-mail at Inspections@glendale-wi.org.



Asbestos-Containing Material and Pre-Demolition Reconnaissance

318 W. Clovernook Lane (Parcel 6)
Glendale, Milwaukee County,
Wisconsin

August 2021

WisDOT Project #1229-04-21

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in blue ink that reads "John Roelke" followed by a small monogram.

John Roelke
WDHFS Asbestos Inspector, AII-119523

A handwritten signature in blue ink that reads "Daniel Haak".

Daniel Haak, P.E.
Project Manager

TABLE OF CONTENTS

EXECUTIVE SUMMARY	III
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TABLES

Table 1: Asbestos Survey Log and Bulk Asbestos Analytical Results

FIGURES

Figure 1: Site Location Map

Figure 2: Sampling Location Maps

APPENDICES

Appendix A: Photographs

Appendix B: Laboratory Analytical Results

COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The WisDOT has acquired the property at 318 W. Clovernook Lane (Parcel 6) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC Environmental Corporation (TRC) has been contracted by the WisDOT to perform an asbestos-containing materials (ACM) delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

No ACM is present.

The demolition of the building and site clearing of the property can proceed.

1.0 Background

1.1 Introduction

The WisDOT has acquired the property at 318 W. Clovernook Lane (Parcel 6) in Glendale, Milwaukee County, Wisconsin. The property contains a house that will be demolished and the site cleared.

TRC has been contracted by the WisDOT to perform an ACM delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the building.

1.2 ACM Inspection

On July 14, 2021, TRC conducted an asbestos inspection of the property in order to determine the extent of ACM in the building, and to identify any ACM that would require management during demolition. This was accomplished by identifying, sampling, characterizing, quantifying, and laboratory-analyzing potential ACM.

2.0 ACM Delineation

2.1 ACM Sampling

TRC conducted an ACM survey of the building on July 14, 2021. Samples of suspect ACM were collected for laboratory analysis in accordance with the United States Environmental Protection Agency's (USEPA's) Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E, as indicated in WDNR and Occupational Safety and Health Administration (OSHA) regulations. A minimum of three randomly distributed samples of each type of material identified as homogeneous (same type, color, and age of application) were collected by John Roelke, WDHFS Asbestos Inspector #AII-119523. If there was any reason to suspect that the materials might be different, those materials were sampled separately. Samples were collected by hand using hammers, chisels, and utility knives. Sufficient water was applied before and during sample collection to prevent the generation of airborne particulate as a result of sampling activities.

A total of 81 samples were collected during the July sampling event and analyzed for the presence of ACM. Materials sampled included: shingles, roofing paper, roofing caulk/sealant, caulk, leveling cement, grout, ceramic tile, mastic, carpet, carpet pad, vinyl baseboard, ceiling tile, vinyl tile, and drywall. See Appendix A for photographs and Figure 2 for sample locations.

Collected samples were analyzed by TRC Solutions, Inc. (TRC) in Windsor, Connecticut. Samples were analyzed on a 3-day turnaround basis using polarized light microscopy (PLM) with dispersion staining techniques. Once one sample of a homogeneous material tested positive for asbestos, the remaining samples of that material were not analyzed.

2.2 ACM Sampling Results

The locations and types of the material sampled, the collection date, the sample number, and the condition of the material are presented in Table 1 (Asbestos Survey Log and Bulk Asbestos Analytical Results). Photographs showing representative sampled materials can be found in Appendix A. TRC's laboratory analysis reports are included in Appendix B.

No ACM is present.

3.0 ACM Abatement

3.1 Summary of ACM

No ACM is present.

4.0 Conclusions and Recommendations

No ACM is present.

The demolition of the building and site clearing of the property can proceed.

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 318 W. Clovernook Lane (Parcel 6)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 14, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P6-1	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2)	Black (layer 1) Black/Brown/Light Brown (layer 2)	Good	PLM, non-detect	--	0
P6-2	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2)	Black (layer 1) Black/Brown/Light Brown (layer 2)	Good	PLM, non-detect	--	
P6-3	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2)	Black (layer 1) Black/Brown/Light Brown (layer 2)	Good	PLM, non-detect	--	
P6-4	Roof flashing, nail sealer & around utility piping	Caulk	Brown	Good	PLM, non-detect	--	0
P6-5	Roof flashing, nail sealer & around utility piping	Caulk	Brown	Good	PLM, non-detect	--	
P6-6	Roof flashing, nail sealer & around utility piping	Caulk	Brown	Good	PLM, non-detect	--	
P6-7	Around dormers, siding edges, exterior windows & doors & front house post	Caulk	White	Good	PLM, non-detect	--	0
P6-8	Around dormers, siding edges, exterior windows & doors & front house post	Caulk	White	Good	PLM, non-detect	--	
P6-9	Around dormers, siding edges, exterior windows & doors & front house post	Caulk	White	Good	PLM, non-detect	--	
P6-10	Around vent pipe on roof	Caulk	Red	Good	PLM, non-detect	--	0
P6-11	Around vent pipe on roof	Caulk	Red	Good	PLM, non-detect	--	
P6-12	Around vent pipe on roof	Caulk	Red	Good	PLM, non-detect	--	
P6-13	Foyer & fireplace hearth	Leveling cement (layer 1) Grout (layer 2) 8"x8" ceramic tile (layer 3)	White (layer 1) Brown (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	0
P6-14	Foyer & fireplace hearth	Leveling cement (layer 1) Grout (layer 2) 8"x8" ceramic tile (layer 3)	White (layer 1) Brown (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	
P6-15	Foyer & fireplace hearth	Leveling cement (layer 1) Grout (layer 2) 8"x8" ceramic tile (layer 3)	White (layer 1) Brown (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 318 W. Clovernook Lane (Parcel 6)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 14, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P6-16	Under veneer flooring in Dining room & kitchen	Mastic	Gray	Good	PLM, non-detect	--	0
P6-17	Under veneer flooring in Dining room & kitchen	Mastic	Gray	Good	PLM, non-detect	--	
P6-18	Under veneer flooring in Dining room & kitchen	Mastic	Gray	Good	PLM, non-detect	--	
P6-19	Living room, stairs to 2nd story, and 1st story hallway	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	0
P6-20	Living room, stairs to 2nd story, and 1st story hallway	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	
P6-21	Living room, stairs to 2nd story, and 1st story hallway	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	
P6-22	Stairs to 2nd story	Carpet pad	Tan/gray	Good	PLM, non-detect	--	0
P6-23	Stairs to 2nd story	Carpet pad	Tan/gray	Good	PLM, non-detect	--	
P6-24	Stairs to 2nd story	Carpet pad	Tan/gray	Good	PLM, non-detect	--	
P6-25	Under hardwood floor in Family room	Mastic	Tan	Good	PLM, non-detect	--	0
P6-26	Under hardwood floor in Family room	Mastic	Tan	Good	PLM, non-detect	--	
P6-27	Under hardwood floor in Family room	Mastic	Tan	Good	PLM, non-detect	--	
P6-28	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	0
P6-29	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P6-30	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P6-31	Bathroom 1 wall	Mastic	Red	Good	PLM, non-detect	--	0
P6-32	Bathroom 1 wall	Mastic	Red	Good	PLM, non-detect	--	
P6-33	Bathroom 1 wall	Mastic	Red	Good	PLM, non-detect	--	
P6-34	Around tub in Bathroom 1	Caulk	White	Good	PLM, non-detect	--	0
P6-35	Around tub in Bathroom 1	Caulk	White	Good	PLM, non-detect	--	
P6-36	Around tub in Bathroom 1	Caulk	White	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 318 W. Clovernook Lane (Parcel 6)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 14, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: All-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P6-37	Bedroom 2 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Light blue (layer 2)	Good	PLM, non-detect	--	0
P6-38	Bedroom 2 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Light blue (layer 2)	Good	PLM, non-detect	--	
P6-39	Bedroom 2 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Light blue (layer 2)	Good	PLM, non-detect	--	
P6-40	Bedroom 2 walls & ceiling	Wallpaper mastic	Tan	Good	PLM, non-detect	--	0
P6-41	Bedroom 2 walls & ceiling	Wallpaper mastic	Tan	Good	PLM, non-detect	--	
P6-42	Bedroom 2 walls & ceiling	Wallpaper mastic	Tan	Good	PLM, non-detect	--	
P6-43	Bedroom 1 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Red/blue (layer 2)	Good	PLM, non-detect	--	0
P6-44	Bedroom 1 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Red/blue (layer 2)	Good	PLM, non-detect	--	
P6-45	Bedroom 1 floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Red/blue (layer 2)	Good	PLM, non-detect	--	
P6-46	--	--	--	--	--	SNA	--
P6-47	--	--	--	--	--	SNA	
P6-48	--	--	--	--	--	SNA	
P6-49	Kitchen wall	Mastic	Tan	Good	PLM, non-detect	--	0
P6-50	Kitchen wall	Mastic	Tan	Good	PLM, non-detect	--	
P6-51	Kitchen wall	Mastic	Tan	Good	PLM, non-detect	--	
P6-52	Basement hallway & rec room floor	Backing (layer 1) Carpet (layer 2)	Black (layer 1) Red/black/green (layer 2)	Good	PLM, non-detect	--	0
P6-53	Basement hallway & rec room floor	Backing (layer 1) Carpet (layer 2)	Black (layer 1) Red/black/green (layer 2)	Good	PLM, non-detect	--	
P6-54	Basement hallway & rec room floor	Backing (layer 1) Carpet (layer 2)	Black (layer 1) Red/black/green (layer 2)	Good	PLM, non-detect	--	
P6-55	Basement hallway & rec room	Mastic (layer 1) Vinyl baseboard (layer 2)	Brown (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P6-56	Basement hallway & rec room	Mastic (layer 1) Vinyl baseboard (layer 2)	Brown (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	
P6-57	Basement hallway & rec room	Mastic (layer 1) Vinyl baseboard (layer 2)	Brown (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	
P6-58	Basement hallway	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	0
P6-59	Basement hallway	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	
P6-60	Basement hallway	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 318 W. Clovernook Lane (Parcel 6)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 14, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P6-61	Basement rec room	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	0
P6-62	Basement rec room	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	
P6-63	Basement rec room	1'x1' ceiling tile	White/tan	Good	PLM, non-detect	--	
P6-64	Basement rec room	4'x2' ceiling tile	White/tan	Good	PLM, non-detect	--	0
P6-65	Basement rec room	4'x2' ceiling tile	White/tan	Good	PLM, non-detect	--	
P6-66	Basement rec room	4'x2' ceiling tile	White/tan	Good	PLM, non-detect	--	
P6-67	Master bedroom & closet floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Cream/blue (layer 2)	Good	PLM, non-detect	--	0
P6-68	Master bedroom & closet floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Cream/blue (layer 2)	Good	PLM, non-detect	--	
P6-69	Master bedroom & closet floor	Pad (layer 1) Carpet (layer 2)	Tan (layer 1) Cream/blue (layer 2)	Good	PLM, non-detect	--	
P6-70	Studio floor	Mastic (layer 1) 12"x12" vinyl floor tile (layer 2)	Colorless (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	0
P6-71	Studio floor	Mastic (layer 1) 12"x12" vinyl floor tile (layer 2)	Colorless (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	
P6-72	Studio floor	Mastic (layer 1) 12"x12" vinyl floor tile (layer 2)	Colorless (layer 1) Dark green (layer 2)	Good	PLM, non-detect	--	
P6-73	Bathroom 2 floor border	Leveling cement (layer 1) Grout (layer 2)	Gray (layer 1) Red (layer 2)	Good	PLM, non-detect	--	0
P6-74		7"x7" ceramic tile (layer 3)	White (layer 3)				
P6-75	Bathroom 2 floor border	Leveling cement (layer 1) Grout (layer 2)	Gray (layer 1) Red (layer 2)	Good	PLM, non-detect	--	
		7"x7" ceramic tile (layer 3)	White (layer 3)				
P6-76	Bathroom 2 floor border	Leveling cement (layer 1) Grout (layer 2)	Gray (layer 1) Red (layer 2)	Good	PLM, non-detect	--	
P6-77		8"x8" ceramic tile (layer 3)	White (layer 3)				
P6-78	Bathroom 2 floor	Leveling cement (layer 1) Grout (layer 2)	Gray (layer 1) Red (layer 2)	Good	PLM, non-detect	--	
		8"x8" ceramic tile (layer 3)	White (layer 3)				
	Bathroom 2 floor	Leveling cement (layer 1) Grout (layer 2)	Gray (layer 1) Red (layer 2)	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 318 W. Clovernook Lane (Parcel 6)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-21

Project Number: 441231.0000.0000
 Sample Collection Date: July 14, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P6-79	Walls throughout house	Smooth texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	0
P6-80	Walls throughout house	Smooth texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P6-81	Walls throughout house	Smooth texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	

Notes:

PLM = Polarized Light Microscopy

SNA = Sample Not Analyzed, samples skipped

1. Inspection was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21 35-45.

Condition Description:

Good: The material shows no visible damage or deterioration, or shows only limited damage or deterioration.

Damaged: The material is friable that has deteriorated or sustained physical damage.

Significantly damaged: The material is friable that has sustained extensive or severe damage.

Created By: A. Voit

Checked By: D. Haak

FIGURE 1 - SITE LOCATION MAP

318 W. CLOVERNOOK LANE (PARCEL 6), GLENDALE

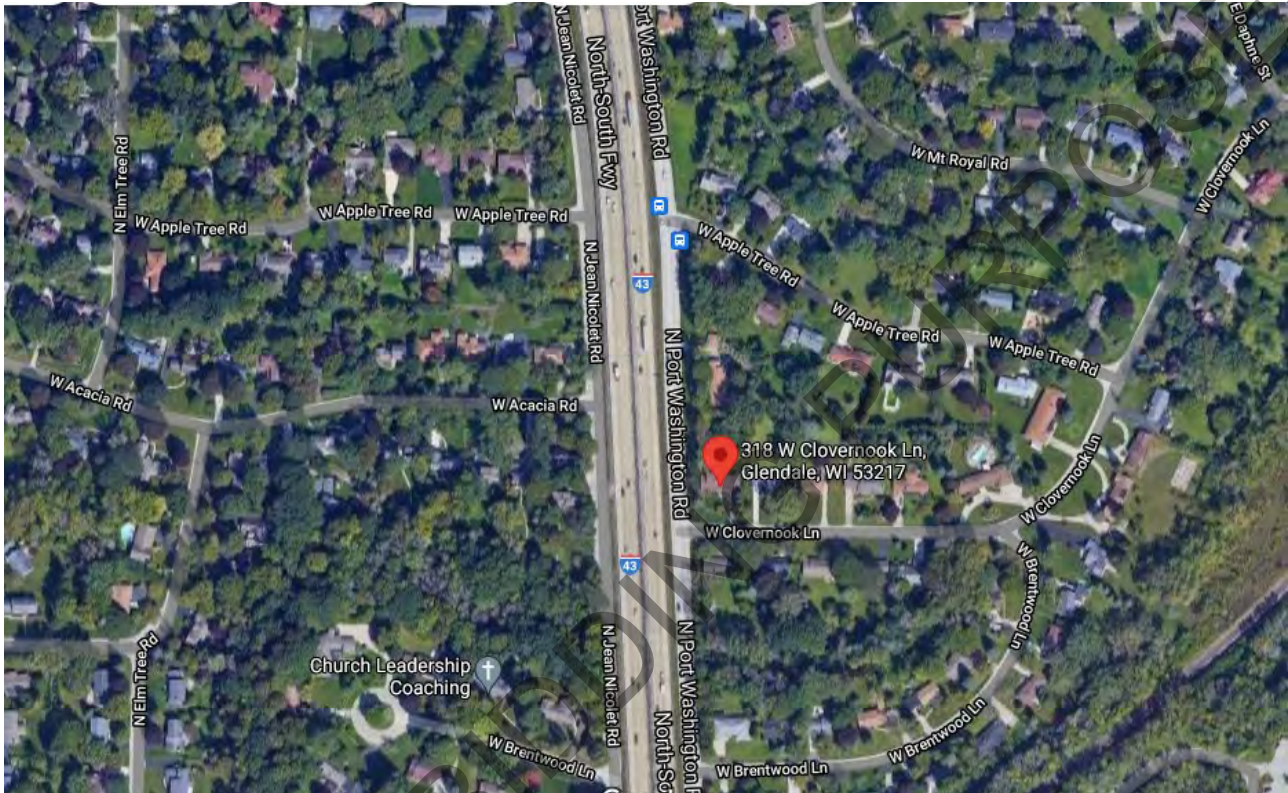


FIGURE 2



SUBJECT Parcel 6

SHEET NO. 1 OF 2
PROJECT NO. 441231.0000.0000
DATE 6/24/21 7/14/21
BY S. Roelke
CHK'D _____

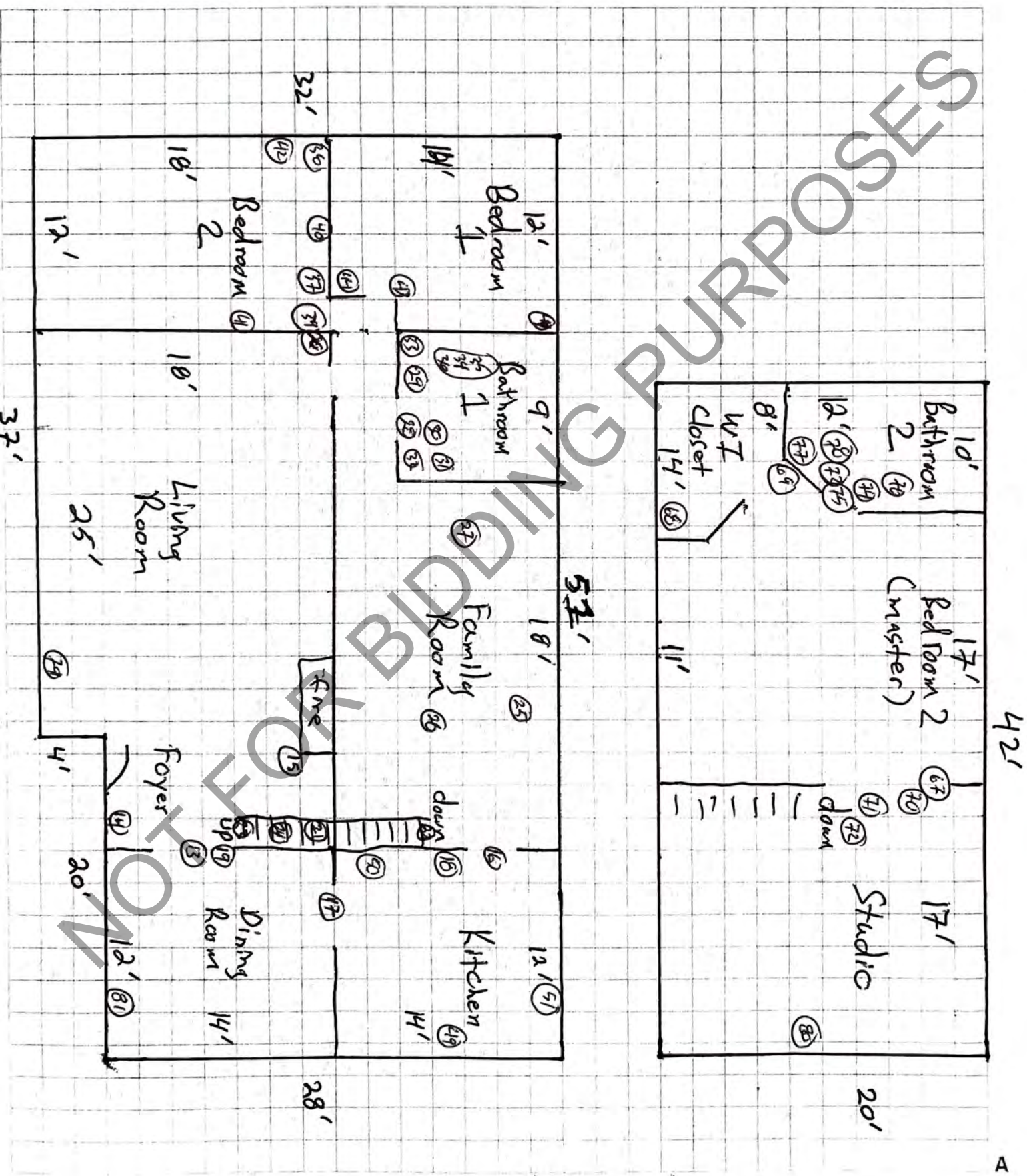
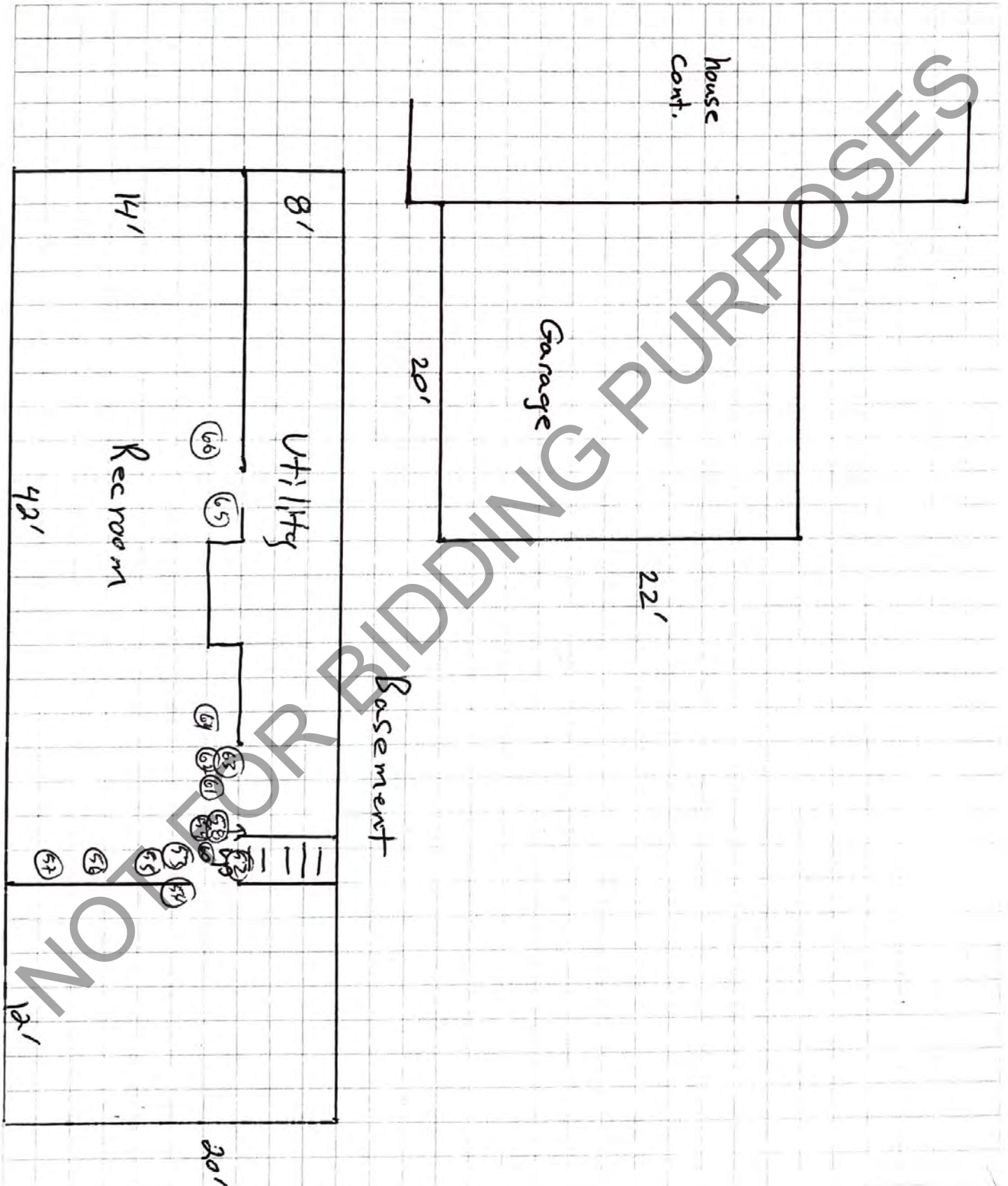


FIGURE 2



SUBJECT Parcel 6 Cont.

SHEET NO. 2 OF 2
 PROJECT NO. 441213.0000.0020
 DATE 6/24/21 7/14/21
 BY S. Roelke
 CHK'D _____



Appendix A: Photographs

NOT FOR BIDDING PURPOSES

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 1	Date 7/14/2021		
Description Front of house			
Photo No. 2	Date 7/14/2021		
Description Front porch			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 3	Date 7/14/2021		
Description Garage			
Photo No. 4	Date 7/14/2021		
Description Back of house			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 5	Date 7/14/2021		
Description Roof			
Photo No. 6	Date 7/14/2021		
Description Roof			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 7	Date 7/14/2021		
Description Roofing paper and shingles on roof, both non-detect for ACM			
Photo No. 8	Date 7/14/2021		
Description 1 st story roof and 2 nd story windows			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 9	Date 7/14/2021		
Description Brown caulk on nails in roof flashing, non-detect for ACM			
Photo No. 10	Date 7/14/2021		
Description Brown caulk around utility piping on roof, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 11	Date 7/14/2021		
Description White caulk around exterior dormer, siding & windows, non-detect for ACM			
Photo No. 12	Date 7/14/2021		
Description White caulk on siding edges, around exterior windows & doors, non-detect for ACM			

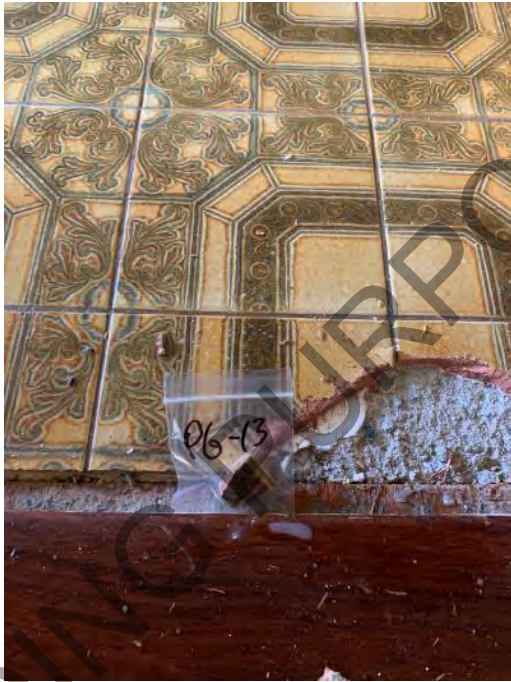

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 13	Date 7/14/2021		
Description White caulk around exterior dormer, non-detect for ACM			
Photo No. 14	Date 7/14/2021		
Description Red caulk around roof vent, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 15	Date 7/14/2021		
Description Foyer			
Photo No. 16	Date 7/14/2021		
Description Living room			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 17	Date 7/14/2021		
Description Leveling cement, grout and ceramic tile in Foyer and on fireplace hearth, all non-detect for ACM			
Photo No. 18	Date 7/14/2021		
Description Kitchen			


Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 19	Date 7/14/2021		
Description Dining room			
Photo No. 20	Date 7/14/2021		
Description Mastic under veneer flooring in Dining room & kitchen, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 21	Date 7/14/2021		
Description 1 st floor hallway			
Photo No. 22	Date 7/14/2021		
Description Stairs to 2 nd story			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 23	Date 7/14/2021		
Description Dark green carpet with pad in Living room, 1st floor hallway and stairs to the 2nd story, both non-detect for ACM			
Photo No. 24	Date 7/14/2021	Description Carpet pad under carpet on stairs to the 2nd story, non-detect for ACM	

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 25	Date 7/14/2021		
Description Family room			
Photo No. 26	Date 7/14/2021		
Description Mastic under hardwood in family room, non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 27	Date 7/14/2021		
Description Bathroom 1			
Photo No. 28	Date 7/14/2021		
Description Bathroom 1			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 29	Date 7/14/2021		
Description Ceramic tile and grout on bathroom 1 floor, both non- detect for ACM			
Photo No. 30	Date 7/14/2021		
Description Bathroom 1 wall			


Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 31	Date 7/14/2021		
Description Mastic on bathroom 1 wall, non-detect for ACM			
Photo No. 32	Date 7/14/2021		
Description Bathroom 1 tub			



Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 33	Date 7/14/2021		
Description Caulk around tub in bathroom 1, non-detect for ACM			
Photo No. 34	Date 7/14/2021		
Description Bedroom 2			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 35	Date 7/14/2021		
Description Carpet and pad in bedroom 2, both non-detect for ACM			
Photo No. 36	Date 7/14/2021		
Description Wallpaper mastic on bedroom 2 walls and ceiling, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 37	Date 7/14/2021		
Description Bedroom 1			
Photo No. 38	Date 7/14/2021		
Description Carpet and pad in bedroom 1, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 39	Date 7/14/2021		
Description Kitchen wall			
Photo No. 40	Date 7/14/2021		
Description Wallpaper mastic on kitchen walls, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 41	Date 7/14/2021		
Description Stairs to basement			
Photo No. 42	Date 7/14/2021		
Description Basement rec room			



Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 43	Date 7/14/2021		
Description Basement hallway			
Photo No. 44	Date 7/14/2021		
Description Carpet with backing on basement rec room and hallway floor, both non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 45	Date 7/14/2021		
Description Vinyl baseboard with mastic in basement rec room and hallway, both non-detect for ACM			
Photo No. 46	Date 7/14/2021		
Description 1'x1' ceiling tile in basement hallway, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 47	Date 7/14/2021		
Description 1'x1' ceiling tile in basement rec room, non-detect for ACM			
Photo No. 48	Date 7/14/2021	Description 4'x2' ceiling tile in basement rec room, non-detect for ACM	

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 49	Date 7/14/2021		
Description Unfinished basement room			
Photo No. 50	Date 7/14/2021		
Description Basement water heater and furnace			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 51	Date 7/14/2021		
Description Basement room			
Photo No. 52	Date 7/14/2021		
Description Master bedroom			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 53	Date 7/14/2021		
Description Carpet and pad on Master bedroom & closet floor, both non-detect for ACM			
Photo No. 54	Date 7/14/2021		
Description Studio			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 55	Date 7/14/2021		
Description Studio			
Photo No. 56	Date 7/14/2021		
Description 12"x12" green vinyl floor tile with mastic on Studio floor, both non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 57	Date 7/14/2021		
Description Attic entrance			
Photo No. 58	Date 7/14/2021		
Description Attic			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 59	Date 7/14/2021		
Description Bathroom 2			
Photo No. 60	Date 7/14/2021		
Description Bathroom 2 floor			

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 61	Date 7/14/2021		
Description Leveling cement, grout and 7"x7" white ceramic tile border on Bathroom 2 floor, all non-detect for ACM			
Photo No. 62	Date 7/14/2021	Description Leveling cement, grout and 8"x8" ceramic tile on Bathroom 2 floor, all non- detect for ACM	

Photographic Log

Client Name: WisDOT		Site Location: 318 W. Clovernook Lane (Parcel 6), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-21 TRC# 441231.0000
Photo No. 63	Date 7/14/2021		
Description Master bedroom			
Photo No. 64	Date 7/14/2021		
Description Drywall with texture on walls throughout house, both non-detect for ACM			

Appendix B: Laboratory Analytical Results

NOT FOR BIDDING PURPOSES



BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057279
Project #: 441231.0000.0000
Date Received: 07/16/2021
Date Analyzed: 07/21/2021

Site: Parcel 6, 318 W. Clovernook Lane, Glendale, WI

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P6-1	Roof	LAYER 1 Black roofing paper	30% fibrous glass	ND	None
P6-1		LAYER 2 Black/Brown/Light Brown asphalt shingle	20% fibrous glass	ND	None
P6-2	Roof	LAYER 1 Black roofing paper	30% fibrous glass	ND	None
P6-2		LAYER 2 Black/Brown/Light Brown asphalt shingle	20% fibrous glass	ND	None
P6-3	Roof	LAYER 1 Black roofing paper	30% fibrous glass	ND	None
P6-3		LAYER 2 Black/Brown/Light Brown asphalt shingle	20% fibrous glass	ND	None
P6-4	Roof flashing, nail sealer & utility entrance pt.	Brown caulk	---	ND	None
P6-5	Roof flashing, nail sealer & utility entrance pt.	Brown caulk	---	ND	None
P6-6	Roof flashing, nail sealer & utility entrance pt.	Brown caulk	---	ND	None
P6-7	Exterior dormer siding & windows, doors & front house post	White caulk	---	ND	None
P6-8	Exterior dormer siding & windows, doors & front house post	White caulk	---	ND	None
P6-9	Exterior dormer siding & windows, doors & front house post	White caulk	---	ND	None
P6-10	Roof vent pipe	Red caulk	---	ND	None
P6-11	Roof vent pipe	Red caulk	---	ND	None
P6-12	Roof vent pipe	Red caulk	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P6-13	Foyer & fireplace hearth	LAYER 1 White leveling cement	---		ND	None
P6-13		LAYER 2 Brown grout	---		ND	None
P6-13		LAYER 3 Brown 8"x8"ceramic tile	---		ND	None
P6-14	Foyer & fireplace hearth	LAYER 1 White leveling cement	---		ND	None
P6-14		LAYER 2 Brown grout	---		ND	None
P6-14		LAYER 3 Brown 8"x8"ceramic tile	---		ND	None
P6-15	Foyer & fireplace hearth	LAYER 1 White leveling cement	---		ND	None
P6-15		LAYER 2 Brown grout	---		ND	None
P6-15		LAYER 3 Brown 8"x8"ceramic tile	---		ND	None
P6-16	Dining room & kitchen, under veneer floor	Grey mastic	---		ND	None
P6-17	Dining room & kitchen, under veneer floor	Grey mastic	---		ND	None
P6-18	Dining room & kitchen, under veneer floor	Grey mastic	---		ND	None
P6-19	Living room & stairs to the second level, hallway	LAYER 1 Tan pad	---		ND	None
P6-19		LAYER 2 Dark Green carpet	99%	synthetic fiber	ND	None
P6-20	Living room & stairs to the second level, hallway	LAYER 1 Tan pad	---		ND	None
P6-20		LAYER 2 Dark Green carpet	99%	synthetic fiber	ND	None
P6-21	Living room & stairs to the second level, hallway	LAYER 1 Tan pad	---		ND	None
P6-21		LAYER 2 Dark Green carpet	99%	synthetic fiber	ND	None
P6-22	Stairs to the second level	Tan/Grey carpet pad	99%	synthetic fiber	ND	None
P6-23	Stairs to the second level	Tan/Grey carpet pad	99%	synthetic fiber	ND	None
P6-24	Stairs to the second level	Tan/Grey carpet pad	99%	synthetic fiber	ND	None
P6-25	Family room, under hardwood floor	Tan mastic	10%	cellulose	ND	None
P6-26	Family room, under hardwood floor	Tan mastic	10%	cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P6-27	Family room, under hardwood floor	Tan mastic	10% cellulose	ND	None
P6-28	Bathroom 1, floor	LAYER 1 White grout	---	ND	None
P6-28		LAYER 2 Grey ceramic tile	---	ND	None
P6-29	Bathroom 1, floor	LAYER 1 White grout	---	ND	None
P6-29		LAYER 2 Grey ceramic tile	---	ND	None
P6-30	Bathroom 1, floor	LAYER 1 White grout	---	ND	None
P6-30		LAYER 2 Grey ceramic tile	---	ND	None
P6-31	Bathroom 1, wall	Red mastic	---	ND	None
P6-32	Bathroom 1, wall	Red mastic	---	ND	None
P6-33	Bathroom 1, wall	Red mastic	---	ND	None
P6-34	Bathroom 1, tub	White caulk	---	ND	None
P6-35	Bathroom 1, tub	White caulk	---	ND	None
P6-36	Bathroom 1, tub	White caulk	---	ND	None
P6-37	Bedroom 2, floor	LAYER 1 Tan pad	---	ND	None
P6-37		LAYER 2 Light Blue carpet	30% cellulose 60% synthetic fiber	ND	None
P6-38	Bedroom 2, floor	LAYER 1 Tan pad	---	ND	None
P6-38		LAYER 2 Light Blue carpet	30% cellulose 60% synthetic fiber	ND	None
P6-39	Bedroom 2, floor	LAYER 1 Tan pad	---	ND	None
P6-39		LAYER 2 Light Blue carpet	30% cellulose 60% synthetic fiber	ND	None
P6-40	Bedroom 2, floor & ceiling	Tan wallpaper mastic	30% cellulose	ND	None
P6-41	Bedroom 2, floor & ceiling	Tan wallpaper mastic	30% cellulose	ND	None
P6-42	Bedroom 2, floor & ceiling	Tan wallpaper mastic	30% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P6-43	Bedroom 1, floor	LAYER 1 Tan pad	---		ND	None
P6-43		LAYER 2 Red/Blue carpet	20%	cellulose synthetic fiber	ND	None
P6-44	Bedroom 1, floor	LAYER 1 Tan pad	---		ND	None
P6-44		LAYER 2 Red/Blue carpet	20%	cellulose synthetic fiber	ND	None
P6-45	Bedroom 1, floor	LAYER 1 Tan pad	---		ND	None
P6-45		LAYER 2 Red/Blue carpet	20%	cellulose synthetic fiber	ND	None
P6-46		--	--		SNA	--
P6-47		--	--		SNA	--
P6-48		--	--		SNA	--
P6-49	Kitchen wall	Tan mastic	30%	cellulose	ND	None
P6-50	Kitchen wall	Tan mastic	30%	cellulose	ND	None
P6-51	Kitchen wall	Tan mastic	30%	cellulose	ND	None
P6-52	Downstairs basement hallway & rec room	LAYER 1 Black backing	80%	synthetic fiber	ND	None
P6-52		LAYER 2 Red/Black/Green carpet	99%	synthetic fiber	ND	None
P6-53	Downstairs basement hallway & rec room	LAYER 1 Black backing	80%	synthetic fiber	ND	None
P6-53		LAYER 2 Red/Black/Green carpet	99%	synthetic fiber	ND	None
P6-54	Downstairs basement hallway & rec room	LAYER 1 Black backing	80%	synthetic fiber	ND	None
P6-54		LAYER 2 Red/Black/Green carpet	99%	synthetic fiber	ND	None
P6-55	Basement hallway & rec room	LAYER 1 Brown mastic	---		ND	None
P6-55		LAYER 2 Brown vinyl baseboard	---		ND	None
P6-56	Basement hallway & rec room	LAYER 1 Brown mastic	---		ND	None
P6-56		LAYER 2 Brown vinyl baseboard	---		ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

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NY #10980 WV #000622
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ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P6-57	Basement hallway & rec room	LAYER 1 Brown mastic	---	ND	None
P6-57		LAYER 2 Brown vinyl baseboard	---	ND	None
P6-58	Basement hallway	White/Tan 1'x1' acoustic perforated ceiling tile	99% cellulose	ND	None
P6-59	Basement hallway	White/Tan 1'x1' acoustic perforated ceiling tile	99% cellulose	ND	None
P6-60	Basement hallway	White/Tan 1'x1' acoustic perforated ceiling tile	99% cellulose	ND	None
P6-61	Basement rec room	White/Tan 1'x1' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-62	Basement rec room	White/Tan 1'x1' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-63	Basement rec room	White/Tan 1'x1' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-64	Basement rec room	White/Tan 4'x2' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-65	Basement rec room	White/Tan 4'x2' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-66	Basement rec room	White/Tan 4'x2' acoustic fissured ceiling tile	99% cellulose	ND	None
P6-67	Master bedroom & closet	LAYER 1 Tan pad	---	ND	None
P6-67		LAYER 2 Cream/Blue carpet	---	ND	None
P6-68	Master bedroom & closet	LAYER 1 Tan pad	---	ND	None
P6-68		LAYER 2 Cream/Blue carpet	---	ND	None
P6-69	Master bedroom & closet	LAYER 1 Tan pad	---	ND	None
P6-69		LAYER 2 Cream/Blue carpet	---	ND	None
P6-70	Studio	LAYER 1 Colorless mastic	---	ND	None
P6-70		LAYER 2 Dark Green 12"x12" peel & stick vinyl floor tile	---	ND	None
P6-71	Studio	LAYER 1 Colorless mastic	---	ND	None
P6-71		LAYER 2 Dark Green 12"x12" peel & stick vinyl floor tile	---	ND	None

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AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P6-72	Studio	LAYER 1 Colorless mastic	---	ND	None
P6-72		LAYER 2 Dark Green 12"x12" peel & stick vinyl floor tile	---	ND	None
P6-73	Bathroom 2, floor border	LAYER 1 Grey leveling cement	---	ND	None
P6-73		LAYER 2 Red grout	---	ND	None
P6-73		LAYER 3 White 7"x7"ceramic tile	---	ND	None
P6-74	Bathroom 2, floor border	LAYER 1 Grey leveling cement	---	ND	None
P6-74		LAYER 2 Red grout	---	ND	None
P6-74		LAYER 3 White 7"x7"ceramic tile	---	ND	None
P6-75	Bathroom 2, floor border	LAYER 1 Grey leveling cement	---	ND	None
P6-75		LAYER 2 Red grout	---	ND	None
P6-75		LAYER 3 White 7"x7"ceramic tile	---	ND	None
P6-76	Bathroom 2, floor	LAYER 1 Grey leveling cement	---	ND	None
P6-76		LAYER 2 Red grout	---	ND	None
P6-76		LAYER 3 White 8"x8"ceramic tile	---	ND	None
P6-77	Bathroom 2, floor	LAYER 1 Grey leveling cement	---	ND	None
P6-77		LAYER 2 Red grout	---	ND	None
P6-77		LAYER 3 White 8"x8"ceramic tile	---	ND	None
P6-78	Bathroom 2, floor	LAYER 1 Grey leveling cement	---	ND	None
P6-78		LAYER 2 Red grout	---	ND	None
P6-78		LAYER 3 White 8"x8"ceramic tile	---	ND	None
P6-79	Throughout the house	LAYER 1 White smooth texture ceiling	---	ND	None
P6-79		LAYER 2 White drywall	---	ND	None
P6-80	Throughout the house	LAYER 1 White smooth texture ceiling	---	ND	None
P6-80		LAYER 2 White drywall	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

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AIHA-LAP,LLC #100122 CT #PH-0426
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AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Clovernook Lane, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P6-81	Throughout the house	LAYER 1 White smooth texture ceiling	- - -	ND	None
P6-81		LAYER 2 White drywall	- - -	ND	None

ND - asbestos was not detected

Trace - asbestos was observed at level of 1% or less - This is the reporting limit

NA/PS - Not Analyzed / Positive Stop

SNA - Sample Not Analyzed- See Chain of Custody for details

Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

K. Williamson

Reviewed by:

Joel Corso

Kathleen Williamson, Laboratory Manager

Joel Corso, Approved Signatory

Date Issued

07/22/2021

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
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AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-21 Parcel 6, 318 W. Cloverbrook Lane, Glendale, WI

Exhibits

ID 1229-04-24 #9

Removal, Grading, Backfill

Site Diagram

Photos

*Taken from appraisal done by Metropolitan Appraisals

Location Map

Clearing and Grubbing from Plan and Profile

City of Glendale Demolition Requirements

Asbestos Inspection and Abatement Report

REMOVE: 1,787 SF 1.5-story single-family home with two car attached garage. Utility shed, access walks, curbs, steps, and asphalt driveway if applicable. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to Article 15 of the Special Provisions.


GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions - Article 2 – Item #5.

Floor Plan/Site Diagram – Following Page(s)

BACKFILL: Reference Special Provisions – Article 2 – Item #6

SUBJECT AERIAL



 Property Boundary

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI

PHOTOS OF THE SUBJECT



1.) Front elevation



2.) Front elevation



3.) Side elevation



4.) Rear elevation



5.) Shed in backyard



6.) View facing northeast

First Floor (1306.5 Sq Ft)

- Living: 24' x 30.5'
- Kitchen: 10' x 15.5'
- Bath: 5' x 10'
- Office: 15.5' x 20'
- Garage: 25.5' x 23.5' (2 Car Attached, 596 Sq Ft)
- Bedroom: 12' x 16.5'
- Bedroom: 12' x 16.5'
- Open Porch: 20' x 20'

Second Floor (480.5 Sq Ft)

- Bedroom: 14.5' x 16'
- Bedroom: 15.5' x 16'
- Bath: 5' x 10'

Area Calculation Summary		Calculation Summary	
Living Area	1306.5 Sq Ft	24 x 30.5 =	732
Bedroom Area	480.5 Sq Ft	12 x 16.5 =	198
Kitchen Area	155 Sq Ft	10 x 15.5 =	155
Bath Area	100 Sq Ft	5 x 20 =	100
Office Area	310 Sq Ft	15.5 x 20 =	310
Garage Area	596 Sq Ft	25.5 x 23.5 =	598.25
Open Porch Area	400 Sq Ft	20 x 20 =	400
Second Floor Area	480.5 Sq Ft	14.5 x 16 =	232
Second Floor Bath Area	50 Sq Ft	5 x 10 =	50
Second Floor Bedroom Area	330.5 Sq Ft	15.5 x 16 =	248
Second Floor Bedroom Area	249.5 Sq Ft	14.5 x 17 =	246.5
Second Floor Bath Area	50 Sq Ft	5 x 10 =	50
Second Floor Bedroom Area	249.5 Sq Ft	15.5 x 16 =	248
Second Floor Bedroom Area	249.5 Sq Ft	14.5 x 17 =	246.5
Second Floor Bath Area	50 Sq Ft	5 x 10 =	50
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Second Floor Bedroom Area	249.5 Sq Ft	14.5 x 17 =	

DESCRIPTION OF IMPROVEMENTS

The following improvements description summary is based on an interior inspection as well as review of assessment records, and aerial photographs. A floorplan and photographs of the subject are included on the foregoing pages. The upper level was not accessible and was not inspected by the appraiser.

Year built:	1950
Number of stories:	1.5-story Cape Cod-style
Above grade square feet:	1,787 square feet (appraiser measurement)
Bedrooms (above grade):	4 - 2 on main level
Baths (above grade):	2 full - 1 on main level
Below grade square feet:	1,307 square feet
Below grade finished area:	None
Building frame:	Wood
Roof type:	Asphalt shingle
Exterior:	Lannon stone/ vinyl
Heating:	Radiant - boiler
Cooling:	None
Garage:	Attached 2-car
Fuel type:	Natural gas
Electrical:	200-amp service
Water heater	Boiler
Porch/deck/patios:	Open porch (20' x 9')
Driveway:	Concrete and asphalt
Landscaping:	Average
Other:	1 natural fireplace on main level 1 natural fireplace basement

Other Buildings:

Utility shed (16' x 12')

Condition:

The interior of the property is in overall poor to average condition. The full bathroom on the main floor and the kitchen were in the process of being renovated. The subject has unfinished renovations including missing kitchen counters and cabinets and shower/tub surround in bathroom. A typical buyer would deduct the cost-to-cure these items in their pricing. However, no professional contractor estimates are available. It is an extraordinary assumption that the negative impact on market value is \$10,000 based on the appraiser's inspection. The use of this extraordinary assumption may alter the appraisal results. It is also recommended that any parties with an interest in the property work with a contracting firm qualified to conduct the necessary repairs to ensure these costs are accurate. The owner representative indicated that most of the material for finishing the bathroom and kitchen were purchased and in the house. The roofing material appears to be in poor condition.

Quality of Construction:

Average interior and exterior finishes

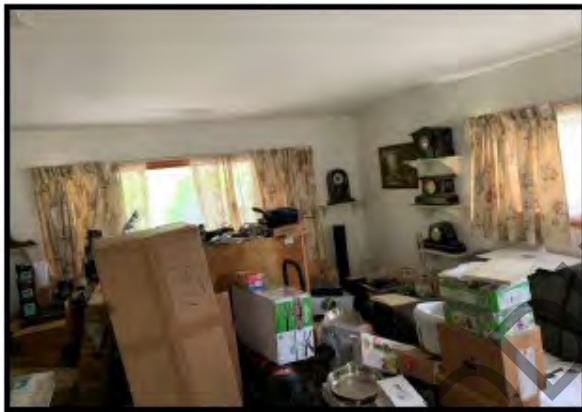
INTERIOR PHOTOS



1.) Dining



2.) Dining



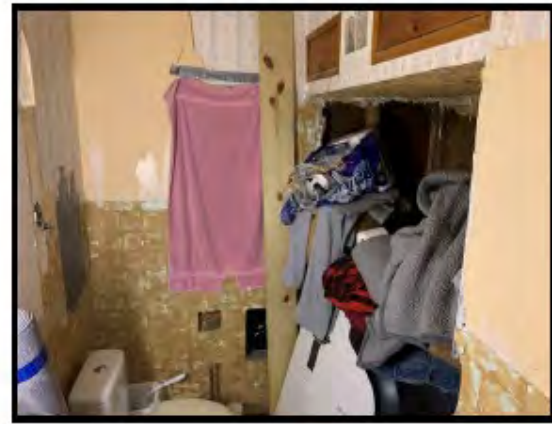
3.) Living Room



4.) Bedroom



5.) Bedroom



6.) Bathroom

LOCATION MAP

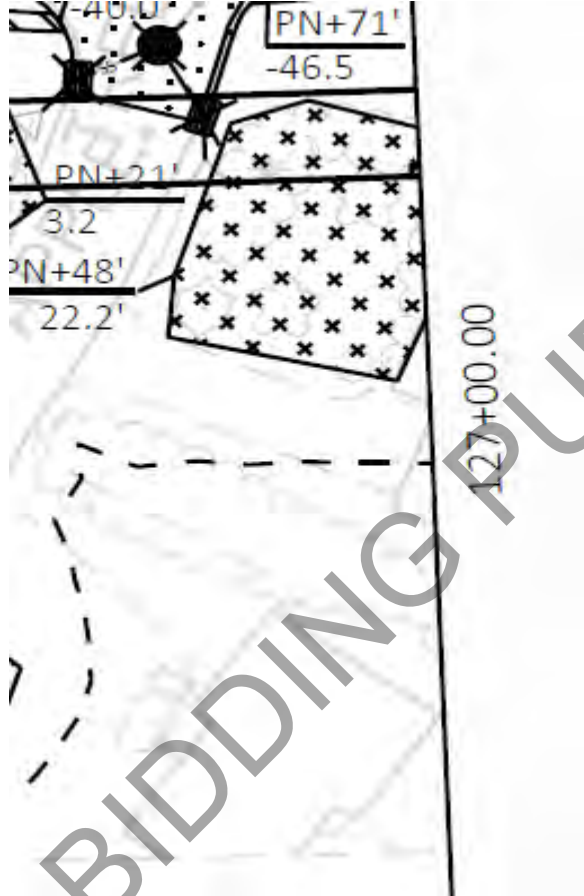


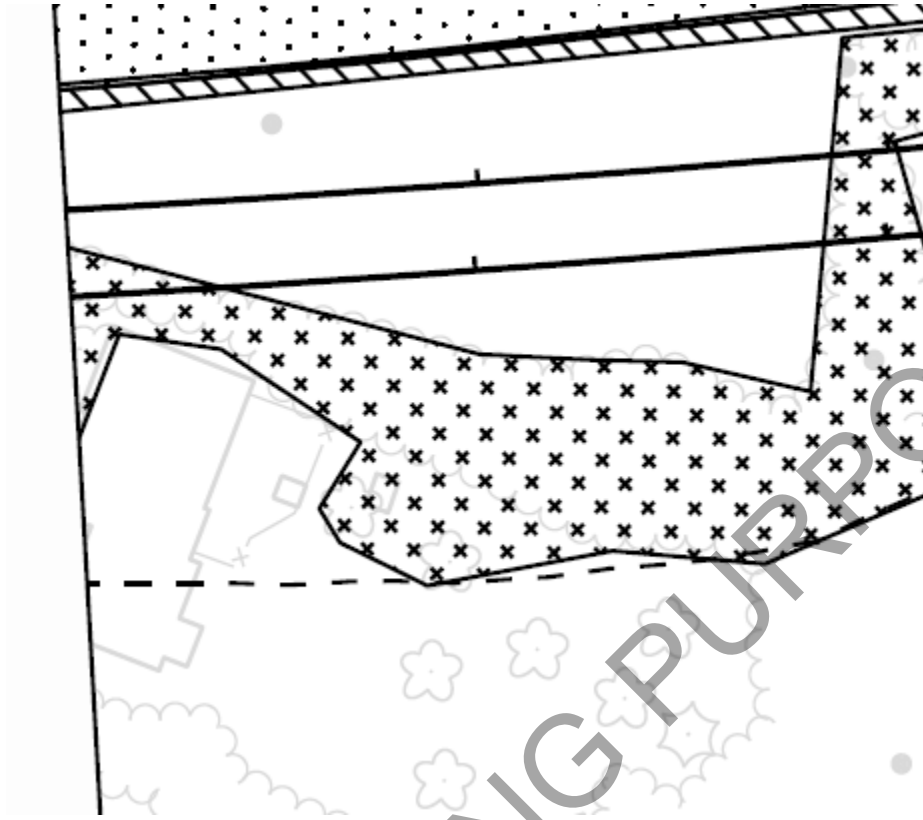
July 21, 2020

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI

CLEARING AND GRUBBING FROM PLAN AND PROFILE

Trees and shrubs that have the "X" shall be removed and stump ground down





ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



CITY OF GLENDALE
CITY SERVICES

5909 North Milwaukee River Parkway
Glendale, Wisconsin 53209-3815

May 11, 2016

[Recipient Name]
[Company Name]
[Street Address]
[City, ST ZIP Code]

Re: [Street Address]

Dear Contractor and/or Owner:

The following guidelines are applicable to the proposed demolition of the above structure:

1. Demolition Permit with Erosion Control Plan including protection of area stormwater inlets.
2. Provide affidavit from WE Energies assuring disconnection of all gas and electric utilities.
3. Provide affidavit from City of Glendale Water Utility assuring disconnection of all water and sewer utilities.
4. Provide affidavit of asbestos abatement from licensed remediation contractor.
5. Provide names of certified asbestos inspector(s) who shall remain on-site during ALL demolition work including copies of active certifications/credentials.
6. Provide site plans addressing the following:
 - a. Intended trucking route with site tracking pad per code requirements
 - b. Street maintenance program. (Sweeping)
 - c. Sidewalk and street closure barricade and signage plans. (Where required.) (All plans must be reviewed and approved by the Glendale Police and Public Works Departments)
 - d. Dust control plan
7. Fill Material: Fill must be clean granular or earthen materials placed and compacted in lifts of 1-foot maximum depth and compact each lift to 90 percent of maximum density as determined by ASTM D698.
8. Site Restoration: A minimum of 5 inches of clear top soil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control measures.

Any questions, you can contact the City of Glendale Building Inspection department at (414) 228-1708 or e-mail at Inspections@glendale-wi.org.



Asbestos-Containing Material and Pre-Demolition Reconnaissance

**330 W. Apple Tree Road (Parcel 9)
Glendale, Milwaukee County,
Wisconsin**

August 2021

WisDOT Project #1229-04-24

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in black ink that reads "John Roelke" with a stylized "WR" monogram to the right.

John Roelke
WDHFS Asbestos Inspector, AII-119523

A handwritten signature in blue ink that reads "Daniel Haak".

Daniel Haak, P.E.
Project Manager

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TABLES

Table 1: Asbestos Survey Log and Bulk Asbestos Analytical Results

FIGURES

Figure 1: Site Location Map

Figure 2: Sampling Location Maps

APPENDICES

Appendix A: Photographs

Appendix B: Laboratory Analytical Results

COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The WisDOT has acquired the property at 330 W. Apple Tree Road (Parcel 9) in Glendale, Milwaukee County, Wisconsin. The property contains a house and shed that will be demolished and the site cleared.

TRC Environmental Corporation (TRC) has been contracted by the WisDOT to perform an asbestos-containing materials (ACM) delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the buildings.

The following Category II non-friable ACM is present:

- Approximately 3,456 square feet of gray transite shingles on the house roof

The asbestos must be properly removed and disposed of during the demolition of the buildings and site clearing of the property.

1.0 Background

1.1 Introduction

The WisDOT has acquired the property at 330 W. Apple Tree Road (Parcel 9) in Glendale, Milwaukee County, Wisconsin. The property contains a house and shed that will be demolished and the site cleared.

TRC has been contracted by the WisDOT to perform an ACM delineation inspection of the property, in order to identify asbestos that must be removed prior to demolition of the buildings.

1.2 ACM Inspection

On June 30, 2021, TRC conducted an asbestos inspection of the property in order to determine the extent of ACM in the buildings, and to identify any ACM that would require management during demolition. This was accomplished by identifying, sampling, characterizing, quantifying, and laboratory-analyzing potential ACM.

2.0 ACM Delineation

2.1 ACM Sampling

TRC conducted an ACM survey of the buildings on June 30, 2021. Samples of suspect ACM were collected for laboratory analysis in accordance with the United States Environmental Protection Agency's (USEPA's) Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E, as indicated in WDNR and Occupational Safety and Health Administration (OSHA) regulations. A minimum of three randomly distributed samples of each type of material identified as homogeneous (same type, color, and age of application) were collected by John Roelke, WDHS Asbestos Inspector #AII-119523. If there was any reason to suspect that the materials might be different, those materials were sampled separately. Samples were collected by hand using hammers, chisels, and utility knives. Sufficient water was applied before and during sample collection to prevent the generation of airborne particulate as a result of sampling activities.

A total of 108 samples were collected during the June sampling event and analyzed for the presence of ACM. Materials sampled included: paint, caulk, window glaze, shingles, tar paper, roofing caulk/sealant, mortar, linoleum tile, mastic, carpet, carpet pad, subfloor paper, wallpaper, laminate tile, grout, ceramic tile, drywall, insulation, ceiling tile, vinyl covering, and felt paper. See Appendix A for photographs and Figure 2 for sample locations.

Collected samples were analyzed by TRC Solutions, Inc. (TRC) in Windsor, Connecticut. Samples were analyzed on a 3-day turnaround basis using polarized light microscopy (PLM) with dispersion staining techniques. Once one sample of a homogeneous material tested positive for asbestos, the remaining samples of that material were not analyzed.

2.2 ACM Sampling Results

The locations and types of the material sampled, the collection date, the sample number, and the condition of the material are presented in Table 1 (Asbestos Survey Log and Bulk Asbestos Analytical Results). Photographs showing representative sampled materials can be found in Appendix A. TRC's laboratory analysis reports are included in Appendix B.

The following Category II non-friable ACM is present:

- Approximately 3,456 square feet of gray transite shingles on the house roof

3.0 ACM Abatement

3.1 Summary of ACM

The following Category II non-friable ACM is present:

- Approximately 3,456 square feet of gray transite shingles on the house roof

3.2 Regulatory Discussion

Friable ACM is any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM is any material containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. The EPA also defines two categories of non-friable ACM, Category I and Category II non-friable ACM as follows:

- Category I non-friable ACM is any asbestos-containing packing, gasket, resilient floor covering, mastic, or asphalt roofing product that contains more than 1 percent asbestos.
- Category II non-friable ACM is any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

RACM is (a) friable asbestos material; (b) Category I non-friable ACM that has become friable; (c) Category I non-friable ACM that will be, or has been, subjected to sanding, grinding, cutting or abrading; or (d) Category II non-friable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition operations.

Both the USEPA's and the WDNR's regulations mandate the removal of regulated ACM prior to demolition. ACM need not be removed before demolition if it is a Category I non-friable ACM that is not friable or a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition. Additionally, all asbestos-containing debris must be handled, transported, and disposed in accordance with the ACM regulations. If ACM is commingled with the demolition debris, the entire pile must be considered to be asbestos-containing material and managed accordingly. This requires disposal in a landfill licensed to accept ACM waste.

Both OSHA and the USEPA regulate the potential health hazards associated with ACM abatement. The USEPA regulates ACM from a general health perspective. USEPA regulations contain language related to many aspects of ACM management, including visible emissions, licensing of workers, disposal, testing, inspections, and site management. OSHA regulations deal with worker exposure on the job and with the methodology to safely handle ACM. The State of Wisconsin regulations incorporate both OSHA and USEPA regulations, and mirror the federal regulations almost exactly. In a few cases, the practice of compliance with Wisconsin regulations is more restrictive than the federal interpretation.

3.3 ACM Removal Plans

All regulated ACM is required to be removed prior to demolition. It will be up to the demolition contractor and their asbestos abatement contractor to determine if the method of demolition will cause any non-friable ACM to become friable. If so, that material would be considered RACM and will be required to be removed prior to demolition. All demolition waste that is commingled with the non-friable asbestos-containing material will be required to be managed as asbestos-containing waste and disposed of at a solid waste landfill permitted to accept such waste.

4.0 Conclusions and Recommendations

The following Category II non-friable ACM is present:

- Approximately 3,456 square feet of gray transite shingles on the house roof

The asbestos must be properly removed and disposed of during the demolition of the buildings and site clearing of the property.

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 330 W. Apple Tree Road (Parcel 9)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-24

Project Number: 441233.0000.0000
 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-9 (1)	Garage door	Paint	Green	Good	PLM, non-detect	--	0
P-9 (2)	Garage door	Paint	Green	Good	PLM, non-detect	--	
P-9 (3)	Garage door	Paint	Green	Good	PLM, non-detect	--	0
P-9 (4)	Gutters	Paint	Yellow	Good	PLM, non-detect	--	
P-9 (5)	Gutters	Paint	Yellow	Good	PLM, non-detect	--	0
P-5 (6)	Gutters	Paint	Yellow	Good	PLM, non-detect	--	
P-9 (7)	Soffits and Porch ceiling	Paint	White	Good	PLM, non-detect	--	0
P-9 (8)	Soffits and Porch ceiling	Paint	White	Good	PLM, non-detect	--	
P-9 (9)	Soffits and Porch ceiling	Paint	White	Good	PLM, non-detect	--	0
P-9 (10)	Front porch floor	Paint	Brown	Good	PLM, non-detect	--	
P-9 (11)	Front porch floor	Paint	Brown	Good	PLM, non-detect	--	0
P-9 (12)	Front porch floor	Paint	Brown	Good	PLM, non-detect	--	
P-9 (13)	Around windows on exterior of house	Caulk (layer 1), Glaze (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-9 (14)	Around windows on exterior of house	Caulk (layer 1), Glaze (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-9 (15)	Around windows on exterior of house	Caulk (layer 1), Glaze (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	3,456 sq ft
P-9 (16)	House roof	Tar paper/caulk (layer 1), transite shingle (layer 2)	Black (layer 1), Gray (layer 2)	Good	PLM, non-detect (layer 1), 20% (layer 2)	Non-friable	
P-9 (17)	House roof	Tar paper/caulk (layer 1), transite shingle (layer 2)	Black (layer 1), Gray (layer 2)	Good	PLM, non-detect (layer 1), NA/PS (layer 2)	Non-friable	
P-9 (18)	House roof	Tar paper/caulk (layer 1), transite shingle (layer 2)	Black (layer 1), Gray (layer 2)	Good	PLM, non-detect (layer 1), NA/PS (layer 2)	Non-friable	
P-9 (19)	Around chimney base and vent pipe on house roof	Tar	Black	Good	PLM, non-detect	--	0
P-9 (20)	Around chimney base and vent pipe on house roof	Tar	Black	Good	PLM, non-detect	--	
P-9 (21)	Around chimney base and vent pipe on house roof	Tar	Black	Good	PLM, non-detect	--	0
P-9 (22)	Around stove pipe vent on house roof	Caulk	Dark gray	Good	PLM, non-detect	--	
P-9 (23)	Around stove pipe vent on house roof	Caulk	Dark gray	Good	PLM, non-detect	--	0
P-9 (24)	Around stove pipe vent on house roof	Caulk	Dark gray	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

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 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-9 (25)	Roof of shed attached to garage	Tar paper (layer 1), Shingle (layer 2)	Black (layer 1), Black/green (layer 2)	Good	PLM, non-detect	--	0
P-9 (26)	Roof of shed attached to garage	Tar paper (layer 1), Shingle (layer 2)	Black (layer 1), Black/green (layer 2)	Good	PLM, non-detect	--	
P-9 (27)	Roof of shed attached to garage	Tar paper (layer 1), Shingle (layer 2)	Black (layer 1), Black/green (layer 2)	Good	PLM, non-detect	--	
P-9 (28)	Between stone on house exterior	Mortar	Dark gray	Good	PLM, non-detect	--	0
P-9 (29)	Between stone on house exterior	Mortar	Dark gray	Good	PLM, non-detect	--	
P-9 (30)	Between stone on house exterior	Mortar	Dark gray	Good	PLM, non-detect	--	
P-9 (31)	Front entrance hallway floor	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Brown (layer 1), Gray (layer 2)	Good	PLM, non-detect	--	0
P-9 (32)	Dining room floor	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Brown (layer 1), Blue (layer 2)	Good	PLM, non-detect	--	
P-9 (33)	Dining room floor	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Brown (layer 1), Yellow (layer 2)	Good	PLM, non-detect	--	
P-9 (34)	Living room floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green (layer 2)	Good	PLM, non-detect	--	0
P-9 (35)	Living room floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green (layer 2)	Good	PLM, non-detect	--	
P-9 (36)	Living room floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green (layer 2)	Good	PLM, non-detect	--	
P-9 (37)	Kitchen floor	Subfloor paper	Black	Good	PLM, non-detect	--	0
P-9 (38)	Kitchen floor	Subfloor paper	Black	Good	PLM, non-detect	--	
P-9 (39)	Kitchen floor	Subfloor paper	Black	Good	PLM, non-detect	--	
P-9 (40)	Bedroom 1 wall	Mastic/wallpaper	Tan/cream/brown	Good	PLM, non-detect	--	0
P-9 (41)	Bedroom 1 wall	Mastic/wallpaper	Tan/cream/brown	Good	PLM, non-detect	--	
P-9 (42)	Bedroom 1 wall	Mastic/wallpaper	Tan/cream/brown	Good	PLM, non-detect	--	
P-9 (43)	Bedroom 1 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green/black/pink (layer 2)	Good	PLM, non-detect	--	0
P-9 (44)	Bedroom 1 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green/black/pink (layer 2)	Good	PLM, non-detect	--	
P-9 (45)	Bedroom 1 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Green/black/pink (layer 2)	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
 Name: 330 W. Apple Tree Road (Parcel 9)
 Location: Glendale, Milwaukee County
 Project ID: 1229-04-24

Project Number: 441233.0000.0000
 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-9 (46)	Bedroom 1 floor under carpet	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Tan (layer 1), Light green (layer 2)	Good	PLM, non-detect	--	0
P-9 (47)	Bedroom 1 floor under carpet	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Tan (layer 1), Light green (layer 2)	Good	PLM, non-detect	--	
P-9 (48)	Bedroom 1 floor under carpet	Mastic (layer 1), 12"x12" linoleum tile (layer 2)	Tan (layer 1), Light green (layer 2)	Good	PLM, non-detect	--	
P-9 (49)	Bedroom 1 closet floor	Carpet	Brown	Good	PLM, non-detect	--	0
P-9 (50)	Bedroom 1 closet floor	Carpet	Brown	Good	PLM, non-detect	--	
P-9 (51)	Bedroom 1 closet floor	Carpet	Brown	Good	PLM, non-detect	--	
P-9 (52)	Bedroom 2 floor	Mastic (layer 1), 12"x12" laminate tile (layer 2), 6"x6" laminate tile (layer 3)	Tan (layer 1), Red (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	0
P-9 (53)	Bedroom 2 floor	Mastic (layer 1), 12"x12" laminate tile (layer 2), 6"x6" laminate tile (layer 3)	Tan (layer 1), Red (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	
P-9 (54)	Bedroom 2 floor	Mastic (layer 1), 12"x12" laminate tile (layer 2), 6"x6" laminate tile (layer 3)	Tan (layer 1), Red (layer 2), Blue (layer 3)	Good	PLM, non-detect	--	
P-9 (55)	Bathroom 1 wall	Mastic	Tan	Good	PLM, non-detect	--	0
P-9 (56)	Bathroom 1 wall	Mastic	Tan	Good	PLM, non-detect	--	
P-9 (57)	Bathroom 1 wall	Mastic	Tan	Good	PLM, non-detect	--	
P-9 (58)	Downstairs hallway floor	Carpet	Brown	Good	PLM, non-detect	--	0
P-9 (59)	Downstairs hallway floor	Carpet	Brown	Good	PLM, non-detect	--	
P-9 (60)	Downstairs hallway floor	Carpet	Brown	Good	PLM, non-detect	--	
P-9 (61)	Mud room floor	Mastic (layer 1), Linoleum (layer 2)	White (layer 1), Brown/gray (layer 2)	Good	PLM, non-detect	--	0
P-9 (62)	Mud room floor	Mastic (layer 1), Linoleum (layer 2)	White (layer 1), Brown/gray (layer 2)	Good	PLM, non-detect	--	
P-9 (63)	Mud room floor	Mastic (layer 1), Linoleum (layer 2)	White (layer 1), Brown/gray (layer 2)	Good	PLM, non-detect	--	
P-9 (64)	Back porch floor	Mastic (layer 1), Grout (layer 2), 8"x8" ceramic tile (layer 3)	Tan (layer 1), Black (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	0
P-9 (65)	Back porch floor	Mastic (layer 1), Grout (layer 2), 8"x8" ceramic tile (layer 3)	Tan (layer 1), Black (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	
P-9 (66)	Back porch floor	Mastic (layer 1), Grout (layer 2), 8"x8" ceramic tile (layer 3)	Tan (layer 1), Black (layer 2), Light gray (layer 3)	Good	PLM, non-detect	--	

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Project Number: 441233.0000.0000
 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-9 (67)	Back porch wall	Stucco (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-9 (68)	Back porch wall	Stucco (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-9 (69)	Back porch wall	Stucco (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-9 (70)	Garage floor	Felt carpet backing	Gray	Good	PLM, non-detect	--	
P-9 (71)	Garage floor	Felt carpet backing	Gray	Good	PLM, non-detect	--	0
P-9 (72)	Garage floor	Felt carpet backing	Gray	Good	PLM, non-detect	--	
P-9 (73)	Stairs to second level	Mastic/backing (layer 1), Carpet (layer 2)	Tan/brown (layer 1), Rust (layer 2)	Good	PLM, non-detect	--	0
P-9 (74)	Stairs to second level	Mastic/backing (layer 1), Carpet (layer 2)	Tan/brown (layer 1), Rust (layer 2)	Good	PLM, non-detect	--	
P-9 (75)	Stairs to second level	Mastic/backing (layer 1), Carpet (layer 2)	Tan/brown (layer 1), Rust (layer 2)	Good	PLM, non-detect	--	
P-5 (76)	Second level landing floor	Backing (layer 1), Carpet (layer 2)	Brown (layer 1), Green (layer 2)	Good	PLM, non-detect	--	0
P-9 (77)	Second level landing floor	Backing (layer 1), Carpet (layer 2)	Brown (layer 1), Green (layer 2)	Good	PLM, non-detect	--	
P-9 (78)	Second level landing floor	Backing (layer 1), Carpet (layer 2)	Brown (layer 1), Green (layer 2)	Good	PLM, non-detect	--	
P-9 (79)	Bedroom 3 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Gold (layer 2)	Good	PLM, non-detect	--	0
P-9 (80)	Bedroom 3 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Gold (layer 2)	Good	PLM, non-detect	--	
P-9 (81)	Bedroom 3 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Gold (layer 2)	Good	PLM, non-detect	--	
P-9 (82)	Bedroom 4 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Blue (layer 2)	Good	PLM, non-detect	--	0
P-9 (83)	Bedroom 4 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Blue (layer 2)	Good	PLM, non-detect	--	
P-9 (84)	Bedroom 4 floor	Pad (layer 1), Carpet (layer 2)	Tan (layer 1), Blue (layer 2)	Good	PLM, non-detect	--	
P-9 (85)	Bathroom 2 floor	Mastic (layer 1), Linoleum (layer 2)	Tan (layer 1), Gold/brown (layer 2)	Good	PLM, non-detect	--	0
P-5 (86)	Bathroom 2 floor	Mastic (layer 1), Linoleum (layer 2)	Tan (layer 1), Gold/brown (layer 2)	Good	PLM, non-detect	--	
P-9 (87)	Bathroom 2 floor	Mastic (layer 1), Linoleum (layer 2)	Tan (layer 1), Gold/brown (layer 2)	Good	PLM, non-detect	--	

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 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-9 (88)	Bathroom 2 wall	Mastic/wallpaper	White/brown	Good	PLM, non-detect	--	0
P-9 (89)	Bathroom 2 wall	Mastic/wallpaper	White/brown	Good	PLM, non-detect	--	
P-9 (90)	Bathroom 2 wall	Mastic/wallpaper	White/brown	Good	PLM, non-detect	--	
P-9 (91)	Bathroom 2 wall	Mastic (layer 1), Grout (layer 2), 4"x4" ceramic tile (layer 3), 6"x2" ceramic tile (layer 4)	Tan (layer 1), White (layer 2), Tan (layer 3), Brown (layer 4)	Good	PLM, non-detect	--	0
		Mastic (layer 1), Grout (layer 2), 4"x4" ceramic tile (layer 3), 6"x2" ceramic tile (layer 4)	Tan (layer 1), White (layer 2), Tan (layer 3), Brown (layer 4)				
P-9 (92)	Bathroom 2 wall	Mastic (layer 1), Grout (layer 2), 4"x4" ceramic tile (layer 3), 6"x2" ceramic tile (layer 4)	Tan (layer 1), White (layer 2), Tan (layer 3), Brown (layer 4)	Good	PLM, non-detect	--	0
P-9 (93)	Bathroom 2 wall	Mastic (layer 1), Grout (layer 2), 4"x4" ceramic tile (layer 3), 6"x2" ceramic tile (layer 4)	Tan (layer 1), White (layer 2), Tan (layer 3), Brown (layer 4)	Good	PLM, non-detect	--	
P-9 (94)	Ceilings and walls throughout house	Smooth texture (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-9 (95)	Ceilings and walls throughout house	Smooth texture (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	
P-5 (96)	Ceilings and walls throughout house	Smooth texture (layer 1), Drywall (layer 2)	White (layer 1), White (layer 2)	Good	PLM, non-detect	--	0
P-9 (97)	Attic	Vermiculite insulation	-	Good	PLM, non-detect	--	
P-9 (98)	Attic	Vermiculite insulation	-	Good	PLM, non-detect	--	
P-9 (99)	Attic	Vermiculite insulation	-	Good	PLM, non-detect	--	0
P-9 (100)	Basement ceiling	Drywall coating (layer 1), 1'x1' ceiling tile (layer 2)	White (layer 1), White/brown (layer 2)	Good	PLM, non-detect	--	
P-9 (101)	Basement ceiling	Drywall coating (layer 1), 1'x1' ceiling tile (layer 2)	White (layer 1), White/brown (layer 2)	Good	PLM, non-detect	--	0
P-9 (102)	Basement ceiling	Drywall coating (layer 1), 1'x1' ceiling tile (layer 2)	White (layer 1), White/brown (layer 2)	Good	PLM, non-detect	--	
P-9 (103)	Basement steps	Mastic (layer 1), Vinyl covering (layer 2)	Brown (layer 1), Brown (layer 2)	Good	PLM, non-detect	--	0
P-9 (104)	Basement steps	Mastic (layer 1), Vinyl covering (layer 2)	Brown (layer 1), Brown (layer 2)	Good	PLM, non-detect	--	
P-9 (105)	Basement steps	Mastic (layer 1), Vinyl covering (layer 2)	Brown (layer 1), Brown (layer 2)	Good	PLM, non-detect	--	

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Project Number: 441233.0000.0000
 Sample Collection Date: June 30, 2021
 Samples Collected By: John Roelke
 Asbestos Inspector Number: AI-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-5 (106)	Outbuilding/Shed roof	Felt paper (layer 1), Shingle (layer 2), Shingle (layer 3)	Black (layer 1), Black/green (layer 2), Black/green (layer 3)	Good	PLM, non-detect	--	0
P-9 (107)	Outbuilding/Shed roof	Felt paper (layer 1), Shingle (layer 2), Shingle (layer 3)	Black (layer 1), Black/green (layer 2), Black/green (layer 3)	Good	PLM, non-detect	--	
P-9 (108)	Outbuilding/Shed roof	Felt paper (layer 1), Shingle (layer 2), Shingle (layer 3)	Black (layer 1), Black/green (layer 2), Black/green (layer 3)	Good	PLM, non-detect	--	

Notes:

PLM = Polarized Light Microscopy

NA/PS = Not Analyzed, Positive Stop

1. Inspection was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21 35-45.

Condition Description:

Good: The material shows no visible damage or deterioration, or shows only limited damage or deterioration.

Damaged: The material is friable that has deteriorated or sustained physical damage.

Significantly damaged: The material is friable that has sustained extensive or severe damage.

Created By: A. Voit

Checked By: D. Haak

FIGURE 1 - SITE LOCATION MAP

330 W. APPLE TREE RD (PARCEL 9), GLENDALE

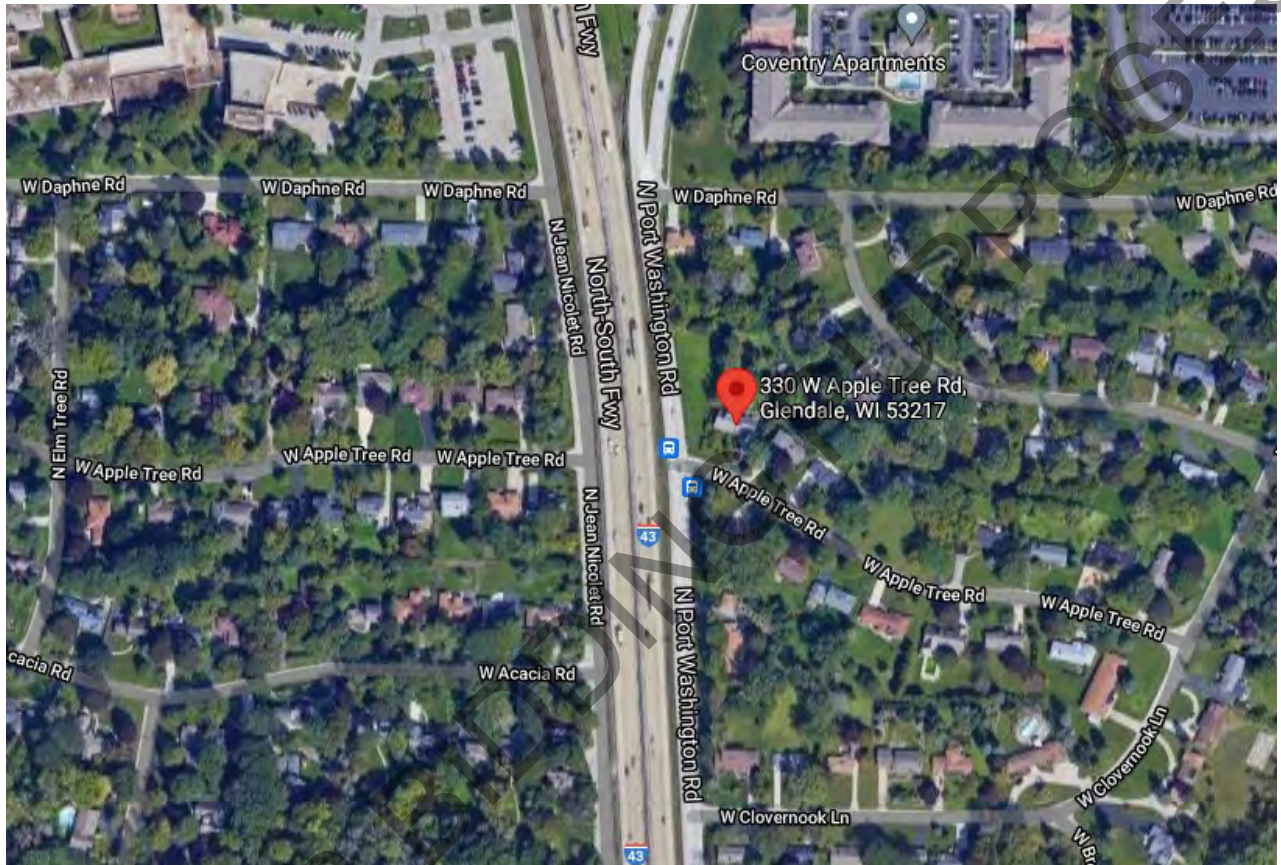




FIGURE 2

Parcel 9

SUBJECT 330 W. Apple Tree

SHEET NO. 1 OF 34
PROJECT NO. 441233.0000.0000
DATE 6/30/21
BY 3AR
CHK'D

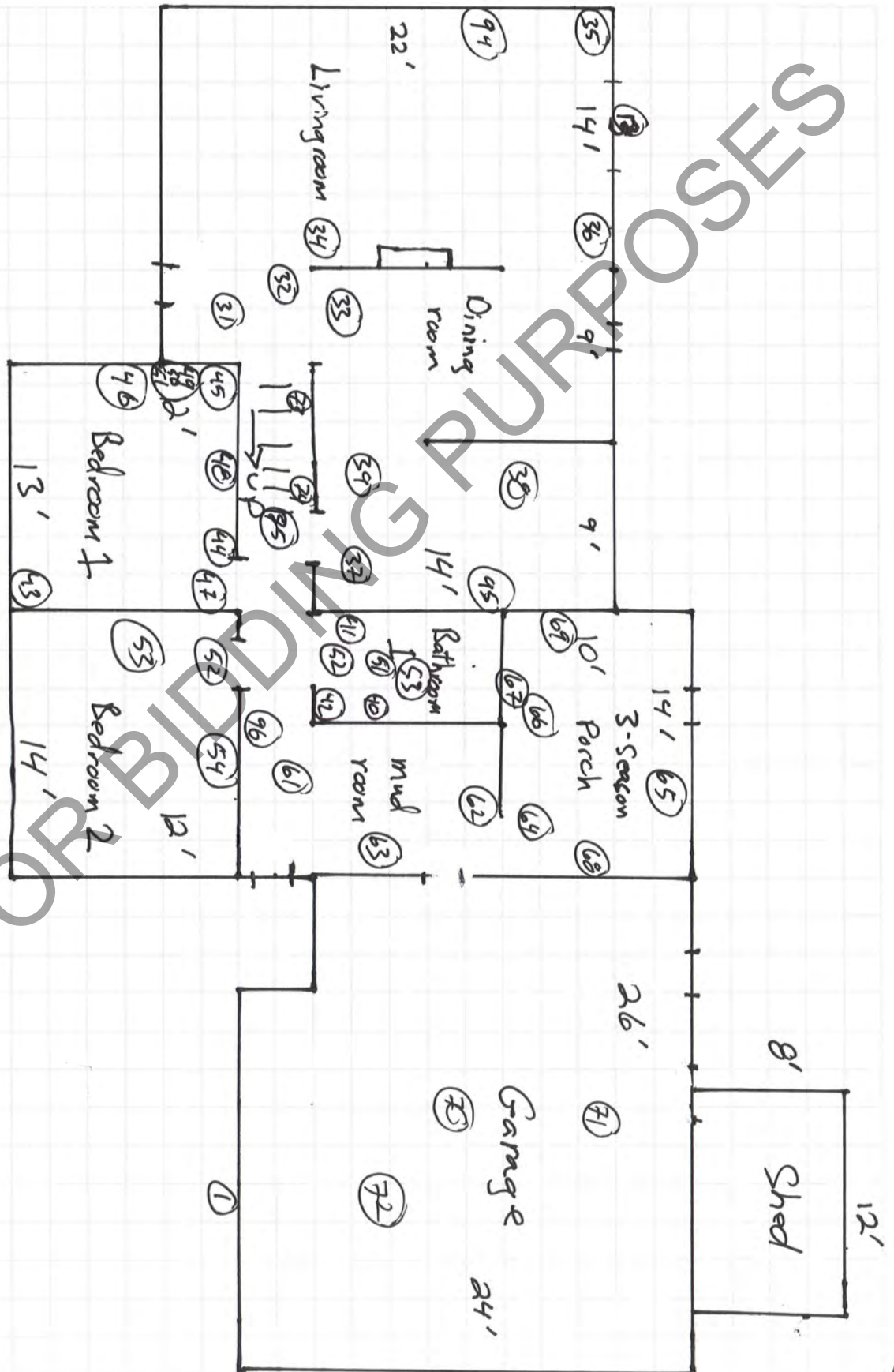


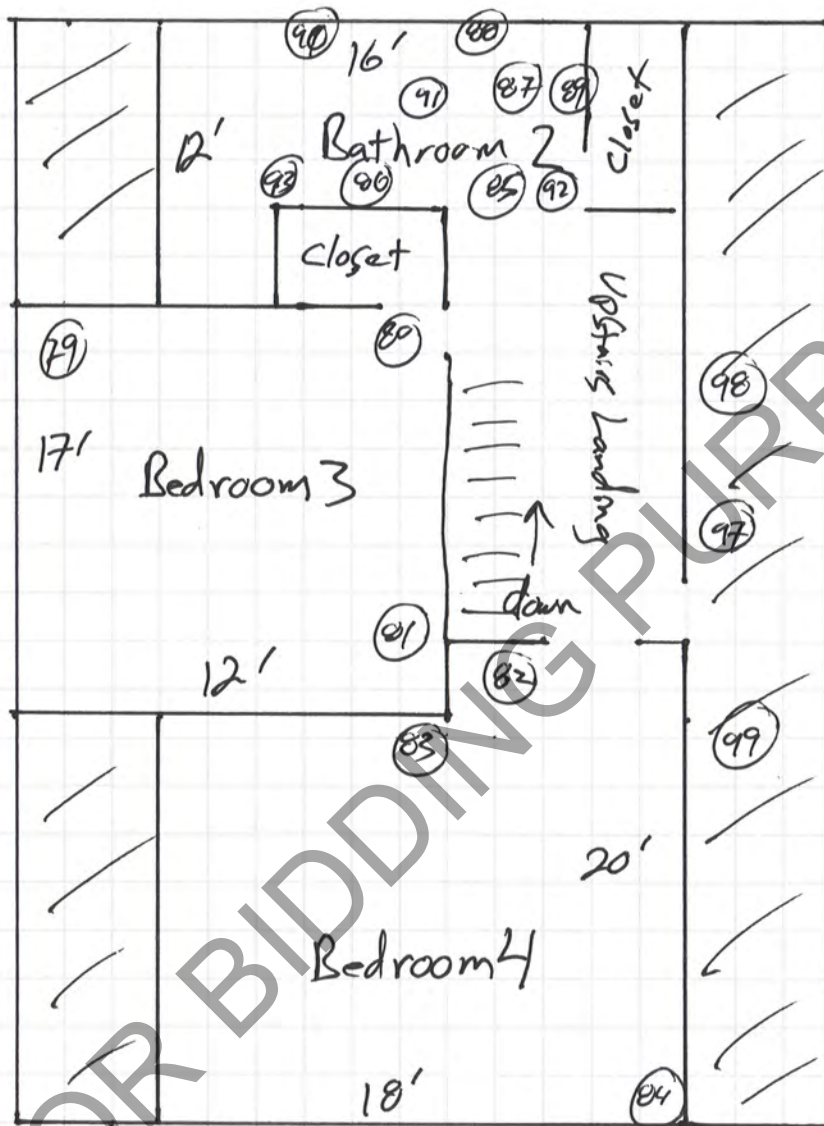
FIGURE 2

Parcel 9

SHEET NO. 2 OF 341
PROJECT NO. 441233.0000.0000
DATE 6/30/21
BY SAR
CHK'D



SUBJECT 330 W. Apple Tree



Second Floor

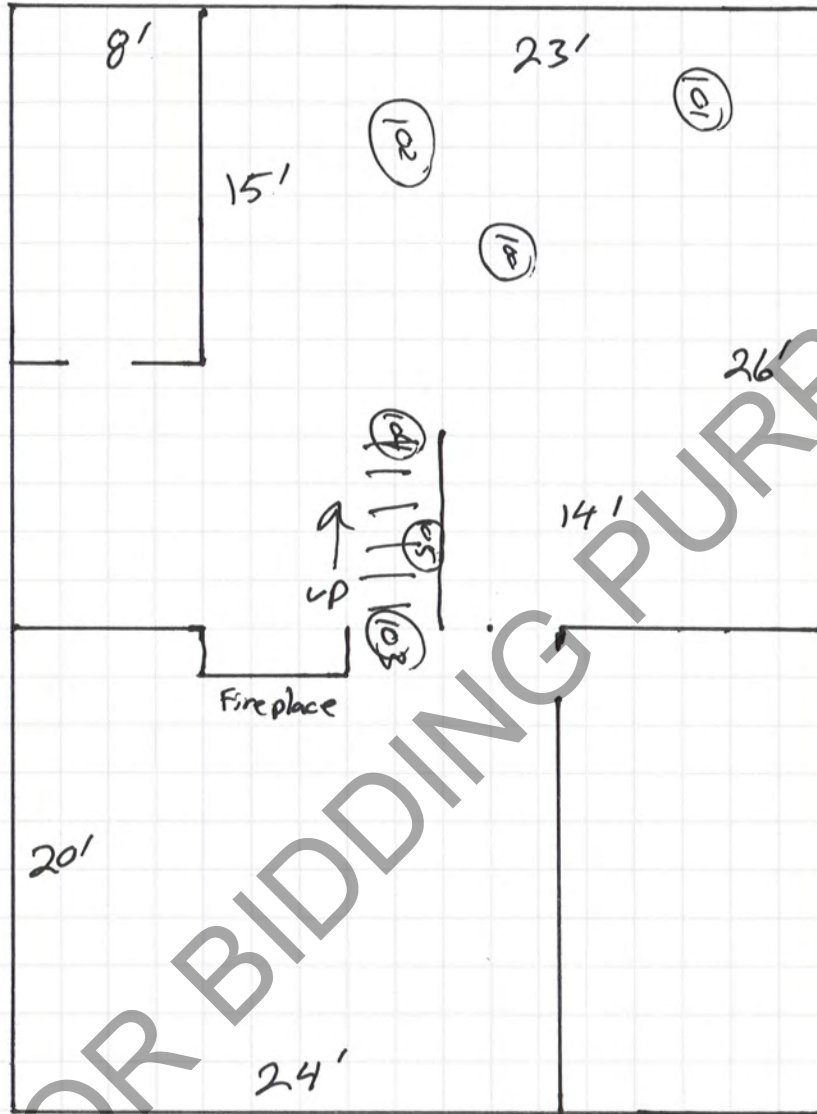


FIGURE 2

Parcel 9

SUBJECT 330 W. Apple Tree

SHEET NO. 3 OF 34
PROJECT NO. 441233.0000.000
DATE 6/30/21
BY 3AR
CHK'D



Basement

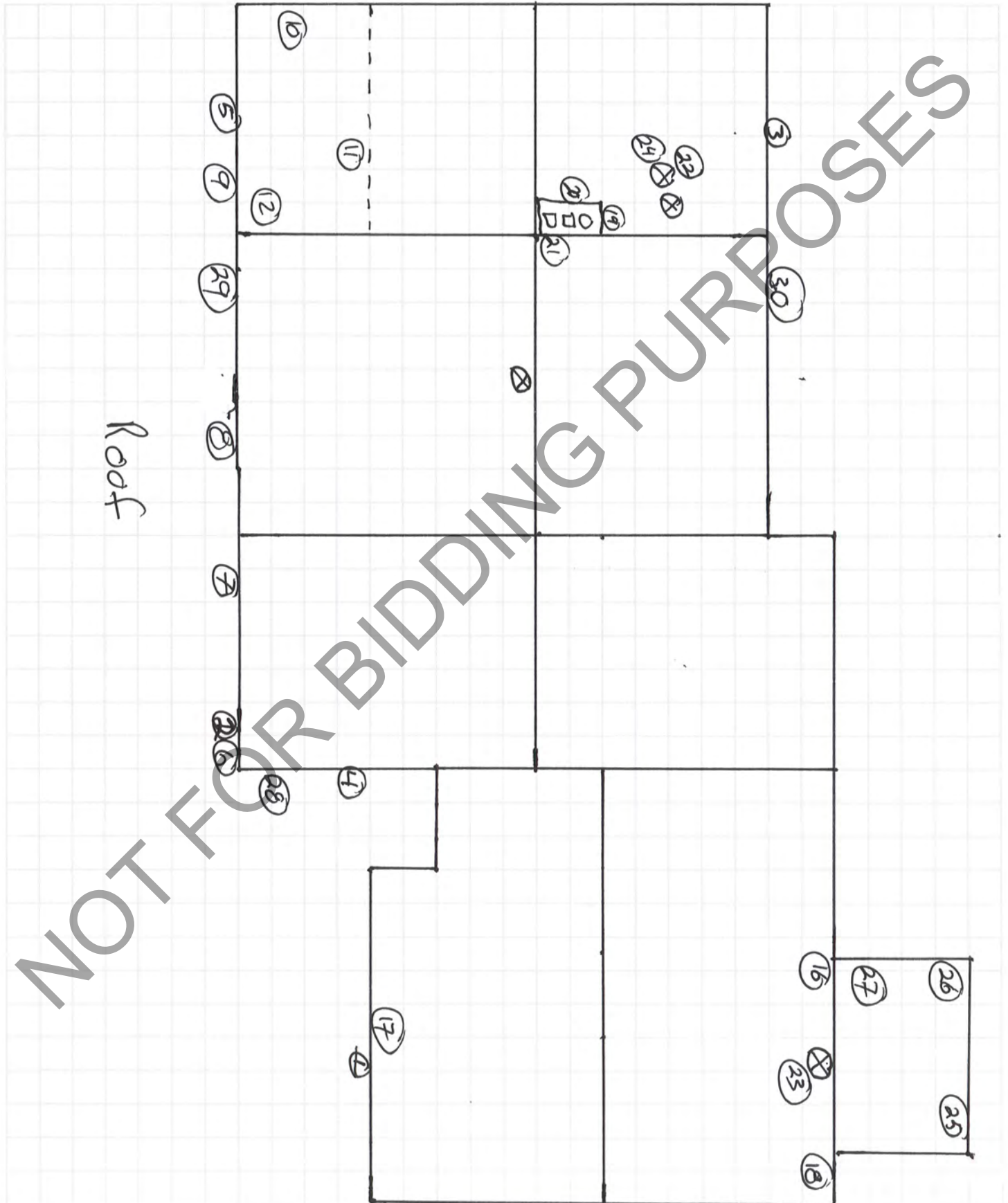
NOT FOR BIDDING PURPOSES

FIGURE 2



SUBJECT 330 W. Apple Tree

SHEET NO. 4 OF 4
 PROJECT NO. 441223, CORR. OVER
 DATE 6/30/21
 BY SMN
 CHK'D _____



A

Appendix A: Photographs

NOT FOR BIDDING PURPOSES

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 1	Date 6/30/2021		
Description Front of house			
Photo No. 2	Date 6/30/2021		
Description Front of garage			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 3	Date 6/30/2021		
Description Side of garage			
Photo No. 4	Date 6/30/2021		
Description Shed attached to back of garage			

Photographic Log



Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 5	Date 6/30/2021		
Description Inside shed attached to back of garage			

Photo No. 6	Date 6/30/2021	
Description Back of house		

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 7	Date 6/30/2021		
Description Back of house			
Photo No. 8	Date 6/30/2021		
Description Side of house			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 9	Date 6/30/2021		
Description Green paint on garage door, non-detect for ACM			
Photo No. 10	Date 6/30/2021	Description Yellow paint on gutters, non- detect for ACM	

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 11	Date 6/30/2021		
Description Front porch			
Photo No. 12	Date 6/30/2021		
Description White paint on soffits and front porch ceiling, non- detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 13	Date 6/30/2021		
Description Brown paint on front porch floor, non-detect for ACM			
Photo No. 14	Date 6/30/2021		
Description Caulk/window glaze around windows on exterior of house, non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 15	Date 6/30/2021		
Description House roof and chimney			
Photo No. 16	Date 6/30/2021		
Description Tar paper/caulk and transite shingles on house roof, transite shingles contain 20% non-friable ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 17	Date 6/30/2021		
Description Tar around base of chimney and vent pipe on house roof, non-detect for ACM			
Photo No. 18	Date 6/30/2021		
Description Caulk around stove vent pipe on house roof, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 19	Date 6/30/2021		
Description Tar paper and shingles on roof of shed attached to garage, non-detect for ACM			
Photo No. 20	Date 6/30/2021		
Description Mortar between stones on exterior of house, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 21	Date 6/30/2021		
Description Front entrance hallway			
Photo No. 22	Date 6/30/2021		
Description Dining room			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 23	Date 6/30/2021		
Description 12"x12" gray, blue, and yellow linoleum tiles with mastic on front entrance hallway floor and dining room floor, non-detect for ACM			
Photo No. 24	Date 6/30/2021		
Description Living room			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 25	Date 6/30/2021		
Description Green carpet and pad on living room floor, non-detect for ACM			
Photo No. 26	Date 6/30/2021		
Description Kitchen			



Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 27	Date 6/30/2021		
Description Subfloor paper on kitchen floor, non-detect for ACM			
Photo No. 28	Date 6/30/2021		
Description Bedroom 1			


Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 29	Date 6/30/2021		
Description Bedroom 1			
Photo No. 30	Date 6/30/2021		
Description Wallpaper with mastic on bedroom 1 wall, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 31	Date 6/30/2021		
Description Carpet and pad on bedroom 1 floor, non-detect for ACM			
Photo No. 32	Date 6/30/2021		
Description Green 12"x12" linoleum tile with mastic on bedroom 1 floor under carpet, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 33	Date 6/30/2021		
Description Bedroom 1 closet			
Photo No. 34	Date 6/30/2021		
Description Brown carpet in bedroom 1 closet, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 35	Date 6/30/2021		
Description Bedroom 2			
Photo No. 36	Date 6/30/2021		
Description Red 12"x12" and blue 6"x6" laminate tile with mastic on bedroom 2 floor, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 37	Date 6/30/2021		
Description Bathroom 1			
Photo No. 38	Date 6/30/2021		
Description Tan mastic on bathroom 1 wall, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 39	Date 6/30/2021		
Description Downstairs hallway			
Photo No. 40	Date 6/30/2021		
Description Brown carpet on downstairs hallway, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 41	Date 6/30/2021		
Description Mud room			
Photo No. 42	Date 6/30/2021		
Description Linoleum with mastic on mud room floor, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 43	Date 6/30/2021		
Description Back porch			
Photo No. 44	Date 6/30/2021		
Description 8"x8" ceramic tile with grout and mastic on back porch floor, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
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Photo No. 45	Date 6/30/2021	<div style="display: flex;"> <div style="flex: 1; padding: 5px;"> Description Stucco with drywall on back porch wall, non-detect for ACM </div> <div style="flex: 2; text-align: center;">  </div> </div>
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Photo No. 46	Date 6/30/2021	<div style="display: flex;"> <div style="flex: 1; padding: 5px;"> Description Garage </div> <div style="flex: 2; text-align: center;">  </div> </div>
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Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 47	Date 6/30/2021		
Description Garage			
Photo No. 48	Date 6/30/2021		
Description Felt carpet backing on garage floor, non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 49	Date 6/30/2021		
Description Stairs to second level of house			
Photo No. 50	Date 6/30/2021		
Description Rust-colored carpet with mastic/backing on stairs to second level, non-detect for ACM			


Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 51	Date 6/30/2021		
Description Landing on second level			
Photo No. 52	Date 6/30/2021		
Description Green carpet with backing on second level landing floor, non-detect for ACM			



Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 53	Date 6/30/2021		
Description Bedroom 3			
Photo No. 54	Date 6/30/2021		
Description Bedroom 3			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 55	Date 6/30/2021		
Description Gold carpet with pad on bedroom 3 floor, non-detect for ACM			
Photo No. 56	Date 6/30/2021		
Description Bedroom 4			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 57	Date 6/30/2021		
Description Blue carpet with pad on bedroom 4 floor, non-detect for ACM			
Photo No. 58	Date 6/30/2021		
Description Bathroom 2			



Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 59	Date 6/30/2021		
Description Bathroom 2			
Photo No. 60	Date 6/30/2021		
Description Linoleum with mastic on bathroom 2 floor, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 61	Date 6/30/2021		
Description Wallpaper with mastic on bathroom 2 wall, non-detect for ACM			
Photo No. 62	Date 6/30/2021		
Description 4"x4" and 6"x2" ceramic tile with grout and mastic on bathroom 2 wall, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 63	Date 6/30/2021		
Description Smooth texture and drywall on walls and ceilings throughout house, non-detect for ACM			
Photo No. 64	Date 6/30/2021		
Description Insulation in attic, non-detect for ACM			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 65	Date 6/30/2021		
Description Basement			
Photo No. 66	Date 6/30/2021		
Description Basement			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
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Photo No. 67	Date 6/30/2021	
Description Basement		

Photo No. 68	Date 6/30/2021	
Description Basement ceiling		

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 69	Date 6/30/2021		
Description Drywall over ceiling tiles on basement ceiling, non-detect for ACM			
Photo No. 70	Date 6/30/2021		
Description Basement stairs			


Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 71	Date 6/30/2021		
Description Vinyl covering with mastic on basement steps, non-detect for ACM			
Photo No. 72	Date 6/30/2021		
Description Outbuilding/shed			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 73	Date 6/30/2021		
Description Inside of outbuilding/shed			
Photo No. 74	Date 6/30/2021		
Description Outbuilding/shed roof			

Photographic Log

Client Name: WisDOT		Site Location: 330 W. Apple Tree Road (Parcel 9), Glendale, Milwaukee County	Project No.: WisDOT #1229-04-24 TRC# 441233.0000
Photo No. 75	Date 6/30/2021		
Description Shingles and felt paper on outbuilding/shed roof, non- detect for ACM			

NOT FOR BIDDING PURPOSES

Appendix B: Laboratory Analytical Results

NOT FOR BIDDING PURPOSES



BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057199
Project #: 441233.0000.0000
Date Received: 07/02/2021
Date Analyzed: 07/06/2021

Site: Parcel 9, 330 Apple Tree Road, Glendale, WI

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (1)	Garage door	Green paint	---	ND	None
P-9 (2)	Garage door	Green paint	---	ND	None
P-9 (3)	Garage door	Green paint	---	ND	None
P-9 (4)	Gutters	Yellow paint	---	ND	None
P-9 (5)	Gutters	Yellow paint	---	ND	None
P-9 (6)	Gutters	Yellow paint	---	ND	None
P-9 (7)	Soffits and porch	White paint	---	ND	None
P-9 (8)	Soffits and porch	White paint	---	ND	None
P-9 (9)	Soffits and porch	White paint	---	ND	None
P-9 (10)	Front patio floor	Brown paint	---	ND	None
P-9 (11)	Front patio floor	Brown paint	---	ND	None
P-9 (12)	Front patio floor	Brown paint	---	ND	None
P-9 (13)	Window sill	LAYER 1 White caulk	---	ND	None
P-9 (13)		LAYER 2 White glaze	---	ND	None
P-9 (14)	Window sill	LAYER 1 White caulk	---	ND	None
P-9 (14)		LAYER 2 White glaze	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-9 (15)	Window sill	LAYER 1 White caulk	---		ND	None
P-9 (15)		LAYER 2 White glaze	---		ND	None
P-9 (16)	Roof	LAYER 1 Black tar paper/caulk	60%	cellulose	ND	None
P-9 (16)		LAYER 2 Grey transite shingle	---		20%	Chrysotile
P-9 (17)	Roof	LAYER 1 Black tar paper/caulk	60%	cellulose	ND	None
P-9 (17)		--	--		NA/PS	--
P-9 (18)	Roof	LAYER 1 Black tar paper/caulk	60%	cellulose	ND	None
P-9 (18)		--	--		NA/PS	--
P-9 (19)	Chimney and vent pipe	Black tar	---		ND	None
P-9 (20)	Chimney and vent pipe	Black tar	---		ND	None
P-9 (21)	Chimney and vent pipe	Black tar	---		ND	None
P-9 (22)	Stove vent pipe	Dark Grey caulk	---		ND	None
P-9 (23)	Stove vent pipe	Dark Grey caulk	---		ND	None
P-9 (24)	Stove vent pipe	Dark Grey caulk	---		ND	None
P-9 (25)	Shed	LAYER 1 Black tar paper	80%	cellulose	ND	None
P-9 (25)		LAYER 2 Black/Green shingle	20%	fibrous glass	ND	None
P-9 (26)	Shed	LAYER 1 Black tar paper	80%	cellulose	ND	None
P-9 (26)		LAYER 2 Black/Green shingle	20%	fibrous glass	ND	None
P-9 (27)	Shed	LAYER 1 Black tar paper	80%	cellulose	ND	None
P-9 (27)		LAYER 2 Black/Green shingle	20%	fibrous glass	ND	None
P-9 (28)	Between exterior stone	Dark Grey mortar	---		ND	None
P-9 (29)	Between exterior stone	Dark Grey mortar	---		ND	None
P-9 (30)	Between exterior stone	Dark Grey mortar	---		ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (31)	Front entrance	LAYER 1 Brown mastic	---	ND	None
P-9 (31)		LAYER 2 Grey 12"x12" linoleum tile	---	ND	None
P-9 (32)	Dining room	LAYER 1 Brown mastic	---	ND	None
P-9 (32)		LAYER 2 Blue 12"x12" linoleum tile	---	ND	None
P-9 (33)	Dining room	LAYER 1 Brown mastic	---	ND	None
P-9 (33)		LAYER 2 Yellow 12"x12" linoleum tile	---	ND	None
P-9 (34)	Living room	LAYER 1 Tan pad	---	ND	None
P-9 (34)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (35)	Living room	LAYER 1 Tan pad	---	ND	None
P-9 (35)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (36)	Living room	LAYER 1 Tan pad	---	ND	None
P-9 (36)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (37)	Kitchen	Black subfloor paper	80% cellulose	ND	None
P-9 (38)	Kitchen	Black subfloor paper	80% cellulose	ND	None
P-9 (39)	Kitchen	Black subfloor paper	80% cellulose	ND	None
P-9 (40)	Bedroom 1	Tan/Cream/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (41)	Bedroom 1	Tan/Cream/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (42)	Bedroom 1	Tan/Cream/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (43)	Bedroom 1	LAYER 1 Tan pads	---	ND	None
P-9 (43)		LAYER 2 Green/Black/Pink carpet	99% synthetic fiber	ND	None
P-9 (44)	Bedroom 1	LAYER 1 Tan pads	---	ND	None
P-9 (44)		LAYER 2 Green/Black/Pink carpet	99% synthetic fiber	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (45)	Bedroom 1	LAYER 1 Tan pads	---	ND	None
P-9 (45)		LAYER 2 Green/Black/Pink carpet	99% synthetic fiber	ND	None
P-9 (46)	Bedroom 1 closet	LAYER 1 Tan mastic	---	ND	None
P-9 (46)		LAYER 2 Light Green 12"x 12" laminate tile	---	ND	None
P-9 (47)	Bedroom 1 closet	LAYER 1 Tan mastic	---	ND	None
P-9 (47)		LAYER 2 Light Green 12"x 12" laminate tile	---	ND	None
P-9 (48)	Bedroom 1 closet	LAYER 1 Tan mastic	---	ND	None
P-9 (48)		LAYER 2 Light Green 12"x 12" laminate tile	---	ND	None
P-9 (49)	Bedroom 1 closet	Brown carpet	30% cellulose 60% synthetic fiber	ND	None
P-9 (50)	Bedroom 1 closet	Brown carpet	30% cellulose 60% synthetic fiber	ND	None
P-9 (51)	Bedroom 1 closet	Brown carpet	30% cellulose 60% synthetic fiber	ND	None
P-9 (52)	Bedroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (52)		LAYER 2 Red 12"x12" laminate tile	---	ND	None
P-9 (52)		LAYER 3 Blue 6"x6" laminate tile	---	ND	None
P-9 (53)	Bedroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (53)		LAYER 2 Red 12"x12" laminate tile	---	ND	None
P-9 (53)		LAYER 3 Blue 6"x6" laminate tile	---	ND	None
P-9 (54)	Bedroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (54)		LAYER 2 Red 12"x12" laminate tile	---	ND	None
P-9 (54)		LAYER 3 Blue 6"x6" laminate tile	---	ND	None
P-9 (55)	Bathroom 1	Tan mastic	---	ND	None
P-9 (56)	Bathroom 1	Tan mastic	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (57)	Bathroom 1	Tan mastic	---	ND	None
P-9 (58)	Hall downstairs	Brown carpet	99% synthetic fiber	ND	None
P-9 (59)	Hall downstairs	Brown carpet	99% synthetic fiber	ND	None
P-9 (60)	Hall downstairs	Brown carpet	99% synthetic fiber	ND	None
P-9 (61)	Mud room	LAYER 1 White mastic	---	ND	None
P-9 (61)		LAYER 2 Brown/Grey linoleum	30% cellulose	ND	None
P-9 (62)	Mud room	LAYER 1 White mastic	---	ND	None
P-9 (62)		LAYER 2 Brown/Grey linoleum	30% cellulose	ND	None
P-9 (63)	Mud room	LAYER 1 White mastic	---	ND	None
P-9 (63)		LAYER 2 Brown/Grey linoleum	30% cellulose	ND	None
P-9 (64)	Back porch	LAYER 1 Tan mastic	---	ND	None
P-9 (64)		LAYER 2 Black grout	---	ND	None
P-9 (64)		LAYER 3 Light Grey 8"x8" ceramic tile	---	ND	None
P-9 (65)	Back porch	LAYER 1 Tan mastic	---	ND	None
P-9 (65)		LAYER 2 Black grout	---	ND	None
P-9 (65)		LAYER 3 Light Grey 8"x8" ceramic tile	---	ND	None
P-9 (66)	Back porch	LAYER 1 Tan mastic	---	ND	None
P-9 (66)		LAYER 2 Black grout	---	ND	None
P-9 (66)		LAYER 3 Light Grey 8"x8" ceramic tile	---	ND	None
P-9 (67)	Back porch	LAYER 1 White stucco	---	ND	None
P-9 (67)		LAYER 2 White drywall	2% cellulose	ND	None
P-9 (68)	Back porch	LAYER 1 White stucco	---	ND	None
P-9 (68)		LAYER 2 White drywall	2% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (69)	Back porch	LAYER 1 White stucco	---	ND	None
P-9 (69)		LAYER 2 White drywall	2% cellulose	ND	None
P-9 (70)	Garage	Grey felt carpet backing	30% cellulose 60% synthetic fiber	ND	None
P-9 (71)	Garage	Grey felt carpet backing	30% cellulose 60% synthetic fiber	ND	None
P-9 (72)	Garage	Grey felt carpet backing	30% cellulose 60% synthetic fiber	ND	None
P-9 (73)	Upstairs	LAYER 1 Tan/Brown mastic/backing	80% cellulose	ND	None
P-9 (73)		LAYER 2 Rust carpet	99% synthetic fiber	ND	None
P-9 (74)	Upstairs	LAYER 1 Tan/Brown mastic/backing	80% cellulose	ND	None
P-9 (74)		LAYER 2 Rust carpet	99% synthetic fiber	ND	None
P-9 (75)	Upstairs	LAYER 1 Tan/Brown mastic/backing	80% cellulose	ND	None
P-9 (75)		LAYER 2 Rust carpet	99% synthetic fiber	ND	None
P-9 (76)	Upstairs landing	LAYER 1 Brown backing	80% cellulose	ND	None
P-9 (76)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (77)	Upstairs landing	LAYER 1 Brown backing	80% cellulose	ND	None
P-9 (77)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (78)	Upstairs landing	LAYER 1 Brown backing	80% cellulose	ND	None
P-9 (78)		LAYER 2 Green carpet	99% synthetic fiber	ND	None
P-9 (79)	Bedroom 3	LAYER 1 Tan pad	---	ND	None
P-9 (79)		LAYER 2 Gold carpet	99% synthetic fiber	ND	None
P-9 (80)	Bedroom 3	LAYER 1 Tan pad	---	ND	None
P-9 (80)		LAYER 2 Gold carpet	99% synthetic fiber	ND	None

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ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (81)	Bedroom 3	LAYER 1 Tan pad	---	ND	None
P-9 (81)		LAYER 2 Gold carpet	99% synthetic fiber	ND	None
P-9 (82)	Bedroom 4	LAYER 1 Tan pad	---	ND	None
P-9 (82)		LAYER 2 Blue carpet	99% synthetic fiber	ND	None
P-9 (83)	Bedroom 4	LAYER 1 Tan pad	---	ND	None
P-9 (83)		LAYER 2 Blue carpet	99% synthetic fiber	ND	None
P-9 (84)	Bedroom 4	LAYER 1 Tan pad	---	ND	None
P-9 (84)		LAYER 2 Blue carpet	99% synthetic fiber	ND	None
P-9 (85)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (85)		LAYER 2 Gold/Brown linoleum	---	ND	None
P-9 (86)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (86)		LAYER 2 Gold/Brown linoleum	---	ND	None
P-9 (87)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (87)		LAYER 2 Gold/Brown linoleum	---	ND	None
P-9 (88)	Bathroom 2	White/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (89)	Bathroom 2	White/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (90)	Bathroom 2	White/Brown mastic/wallpaper	99% cellulose	ND	None
P-9 (91)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (91)		LAYER 2 White grout	---	ND	None
P-9 (91)		LAYER 3 Tan 4"x4" ceramic tile	---	ND	None
P-9 (91)		LAYER 4 Brown 6"x2" ceramic tile	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

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ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (92)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (92)		LAYER 2 White grout	---	ND	None
P-9 (92)		LAYER 3 Tan 4"x4" ceramic tile	---	ND	None
P-9 (92)		LAYER 4 Brown 6"x2" ceramic tile	---	ND	None
P-9 (93)	Bathroom 2	LAYER 1 Tan mastic	---	ND	None
P-9 (93)		LAYER 2 White grout	---	ND	None
P-9 (93)		LAYER 3 Tan 4"x4" ceramic tile	---	ND	None
P-9 (93)		LAYER 4 Brown 6"x2" ceramic tile	---	ND	None
P-9 (94)	Ceilings & walls	LAYER 1 White smooth texture	---	ND	None
P-9 (94)		LAYER 2 White drywall	2% cellulose	ND	None
P-9 (95)	Ceilings & walls	LAYER 1 White smooth texture	---	ND	None
P-9 (95)		LAYER 2 White drywall	2% cellulose	ND	None
P-9 (96)	Ceilings & walls	LAYER 1 White smooth texture	---	ND	None
P-9 (96)		LAYER 2 White drywall	2% cellulose	ND	None
P-9 (97)		--	--	SNA	--
P-9 (98)		--	--	SNA	--
P-9 (99)		--	--	SNA	--
P-9 (100)	Basement ceiling	LAYER 1 White drywall coating	---	ND	None
P-9 (100)		LAYER 2 White/Brown 1'x1' ceiling tile	99% cellulose	ND	None
P-9 (101)	Basement ceiling	LAYER 1 White drywall coating	---	ND	None
P-9 (101)		LAYER 2 White/Brown 1'x1' ceiling tile	99% cellulose	ND	None
P-9 (102)	Basement ceiling	LAYER 1 White drywall coating	---	ND	None
P-9 (102)		LAYER 2 White/Brown 1'x1' ceiling tile	99% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

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CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

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NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-9 (103)	Basement steps	LAYER 1 Brown mastic	---	ND	None
P-9 (103)		LAYER 2 Brown vinyl covering	---	ND	None
P-9 (104)	Basement steps	LAYER 1 Brown mastic	---	ND	None
P-9 (104)		LAYER 2 Brown vinyl covering	---	ND	None
P-9 (105)	Basement steps	LAYER 1 Brown mastic	---	ND	None
P-9 (105)		LAYER 2 Brown vinyl covering	---	ND	None
P-9 (106)	Outbuilding/Shed	LAYER 1 Black felt paper	80% cellulose	ND	None
P-9 (106)		LAYER 2 Black/Green shingle	20% fibrous glass	ND	None
P-9 (106)		LAYER 3 Black/Green shingle	20% fibrous glass	ND	None
P-9 (107)	Outbuilding/Shed	LAYER 1 Black felt paper	80% cellulose	ND	None
P-9 (107)		LAYER 2 Black/Green shingle	20% fibrous glass	ND	None
P-9 (107)		LAYER 3 Black/Green shingle	20% fibrous glass	ND	None
P-9 (108)	Outbuilding/Shed	LAYER 1 Black felt paper	80% cellulose	ND	None
P-9 (108)		LAYER 2 Black/Green shingle	20% fibrous glass	ND	None
P-9 (108)		LAYER 3 Black/Green shingle	20% fibrous glass	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-----------------	----------------------------------	------------------------	------------	---------------

ND - asbestos was not detected

Trace - asbestos was observed at level of 1% or less - This is the reporting limit

NA/PS - Not Analyzed / Positive Stop

SNA - Sample Not Analyzed- See Chain of Custody for details

Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

K. Williamson

Kathleen Williamson, Laboratory Manager

Reviewed by:

Joel Corso

Joel Corso, Approved Signatory

Date Issued

07/07/2021

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV #000622
NJ #CT004 CA #2907

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



21 GRIFFIN ROAD NORTH

WINDSOR, CONNECTICUT 06095

TELEPHONE (860) 298-9692

FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

PROJECT NUMBER		PROJECT NAME		PARAMETERS					TURNAROUND TIME							
441233.0000.0000		330 Apple Tree Rd Parcel 9														
SIGNATURE		INSPECTOR														
John Roelke		John Roelke														
FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL					
			COMP	GRAB							8hr	24hr	48hr	3day	5day	
P-9 (1)	6/30/21	11:00	X		See BulK Sampling Log	X					See BulK Sampling Log					
(2)																
(3)																
(4)																
(5)																
(6)																
(7)																
(8)																
(9)																
(10)																
(11)																
(12)																
(13)																
(14)																
(15)																
(16)																
105																

Relinquished by: (Signature)		Received by: (Signature)		Refiniquished by: (Signature)		Received by: (Signature)	
Date: 7/1/21		Date: 7/12/21		Date:		Date:	
Time: 10:00		Time: 10:00		Time: (Printed)		Time: (Printed)	
John Roelke		John Roelke		Time: (Printed)		Time: (Printed)	
Remarks:		Condition of Samples: Acceptable: Yes No		Comments:		Comments:	

Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

21 GRIFFIN ROAD NORTH

WINDSOR, CONNECTICUT 06095

TELEPHONE (860) 298-9692

FAX (860) 298-6380

LAB ID #. 57199

[illegible]



BULK ASBESTOS ANALYSIS REPORT

CLIENT: WI Department of Transportation

Site: Parcel 9, 330 Apple Tree, Glendale, WI
Lab Log #: 57327
Project #: 441233.0000.0000
Date Received: 07/23/2021
Date Analyzed: 07/23/2021

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
P9-97	Vermiculite Sample	--	--	--	--	ND	None
P9-98	Vermiculite Sample	--	--	--	--	ND	None
P9-99	Vermiculite Sample	--	--	--	--	ND	None

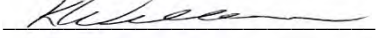
Reporting limit:
Present- asbestos detected
ND- asbestos was not detected


The Environmental Protection Agency and the State of Connecticut assume that all vermiculite is positive. They do not yet recognize an acceptable method for analysis.

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

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Analyzed by 
Kathleen Williamson, Laboratory Manager

Reviewed by 
Kathleen Williamson, Laboratory Manager
or other approved signatory

Date Issued: 07/26/2021

NVLAP Lab Code 101424-0
NY #10980

TRC LABORATORY ASBESTOS ANALYTICAL CERTIFICATIONS

AIHA #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052
RI #AAL-007C3 TX #300354 VT #AL014538 VA #3333 000283

ID 1229-04-24 Parcel 9, 330 W. Apple Tree Road, Glendale, WI



Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

LAB ID #. 57327

[illegible]

BID FORM INSTRUCTIONS

(Please Read Carefully)

Option A: THE BIDDER INTENDS TO MAKE PAYMENT TO THE STATE OF WISCONSIN.

Option B: THE BIDDER INTENDS TO RECEIVE PAYMENT FROM THE STATE OF WISCONSIN.

1. Under the column entitled "Option A," insert the amount, if any, in numerals (dollars and cents) for each parcel that the bidder intends to pay the State of Wisconsin.
2. Under the column entitled "Option B," inset the amount, if any, in numerals (dollars and cents) for each parcel that the bidder intends to be paid by the State of Wisconsin.
3. A bid of \$0.00 is acceptable.
4. Bidder must bid on each parcel but only under one option per parcel.
5. A bid, which lists an amount under both options, will be considered an irregular bid and rejected.
6. Bidder must either leave blank or line out the blank under the option for which the bidder does not submit a bid.
7. The contract, if awarded, will be awarded based on the bid most favorable to the Department. A combined net bid is the difference between bids under Option A and Option B. Therefore, in the "Total Bid or Combined Net Bid" row on the Bid Proposal, if you bid under only one option for all parcels, enter the total amount. If you bid under Option A for some parcels and Option B for other parcels, enter the difference between the two bids. (Reference Article 6, Award of Contract)
8. The bid proposal shall remain completely intact when submitted.
9. A SEPARATE CERTIFIED CHECK, BANK'S DRAFT, BANK'S CHECK, OR POSTAL MONEY ORDER FOR THE BID AMOUNT IN THE "OPTION A" SUBTOTAL COLUMN SHALL BE ATTACHED TO THE BID PROPOSAL.
10. **PROPOSAL GUARANTY** (see Subsection 102.8 of the Standard Specifications). **ONE** OF THE FOLLOWING NEEDS TO BE COMPLETED BY THE BIDDER AND RETURNED WITH THE BID PROPOSAL: **(1)** a properly executed Bid Bond (form to be used is found near the front of this proposal – *do not* remove from bid proposal); **or (2)** a properly executed Annual Bid Bond (form to be used is found near the front of this proposal – *do not* remove from bid proposal); **or (3)** a separate certified check, bank's draft, bank's check, or postal money order in the amount of the proposal guaranty that is to be attached to the second page of this bid proposal under "Please Attach Proposal Guaranty Here."

Note: Deposit a valid surety bond with the department in the amount designated on the bond form covering both performance and payment. Submit the contract bond on a department-furnished form. This is also stated in standard spec 103.5.

BID PROPOSAL

Project I.D. 1229-04-21, Parcels 2, 4, 6, City of Glendale, Milwaukee County
Project I.D. 1229-04-24, Parcel 9, City of Glendale, Milwaukee County

Project/Parcel Number	Option A – Contractor to Pay WisDOT	Option B – Contractor to Receive Payment from WisDOT
1229-04-21 Parcel 2	\$	\$
1229-04-21 Parcel 4	\$	\$
1229-04-21 Parcel 6	\$	\$
1229-04-24 Parcel 9	\$	\$
	\$	\$
Option A Total:	\$	////////////////////////////////////
		Option B Total: \$
		Total Bid or Combined Net Bid \$

PLEASE NOTE: A separate Certified Check, Bank's Draft, Bank's Check, or Postal Money Order for the Bid Amount in the "Option A" subtotal column shall be attached to this Bid Proposal – see *Bid Form Instructions for specific information.*

Firm Name _____ (_____) _____
Telephone Number with Area Code (where you can be reached during business hours)

☐

Check box if Bidding Contractor is a Certified Asbestos Abatement Contractor and will perform the required asbestos removals under this contract, **OR** complete the following:

IF APPLICABLE:

I will use the following Licensed Asbestos Abatement Subcontractor to perform the required asbestos removal under this Contract:
Name:
Address:
Phone:

PLEASE ATTACH ADDENDA HERE

NOT FOR BIDDING PURPOSES