

# HIGHWAY WORK PROPOSAL – RAZING AND REMOVING

Proposal Number:

Ø 1

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

COUNTY	STATE PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Milwaukee	1229-04-21, Parcels 5, 10	I-43 North South Freeway Silver Spring to STH 60	IH 43
Ozaukee	1229-04-23, Parcel 55	I-43 North South Freeway County Line Rd to STH 60	IH 43
Milwaukee	1229-04-24, Parcels 3, 8	I-43 North South Freeway Silver Spring to County Line Rd	IH 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 20, 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 <b>Razing and Removing</b>	
Notice of award dated	Date guaranty returned

**PLEASE ATTACH  
PROPOSAL GUARANTY HERE**

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**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)

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

\_\_\_\_\_  
(Signature of Attorney-in-Fact)

**NOTARY FOR PRINCIPAL**

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 )  
 \_\_\_\_\_ County ) ss.  
 )

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**

**NOTARY FOR SURETY**

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 )  
 \_\_\_\_\_ County ) ss.  
 )

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)

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**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 5, 10; I-43 North South Freeway; Silver Spring to STH 60; IH 43; Milwaukee County

Project ID 1229-04-23, Parcel 55; I-43 North South Freeway; County Line Rd to STH 60; IH 43; Ozaukee County

Project ID 1229-04-24, Parcels 3, 8; 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 2020 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://wisconsin.gov/Pages/doing-business/eng-consultants/cnslt-rsrcs/rdwv/stndspec.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	5	Razing and removing a One story, 1,486 SF single family house with two car attached garage. Concrete patio, concrete driveway, access walks, curbs and steps. Miscellaneous fencing, garden sheds, any and all other relevant surrounding improvements and debris, if present. Asbestos, if present, must be removed pursuant to	317 W. Clovernook Lane, Glendale, WI 53217

Article 15 of the Special Provisions.

Clear and grub all landscaping as shown in the exhibits.

Utility disconnects shall be done prior by WisDOT.

1229-04-21	10	Razing and removing a 1 - story, 1,418 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.	335 W. Daphne Road, Glendale, WI 53217
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Clear and grub all landscaping as shown in the exhibits.

Utility disconnects shall be done prior by WisDOT.

1229-04-23	55	Razing and removing a 512 SF concrete block shed. 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.	1100 Falls Road, Grafton, WI
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Electric has been disconnected per previous owner.

1229-04-24 3 Razing and removing a 1,396 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.

321 W. Brentwood Lane, Glendale, WI 53217

Clearing and grubbing of all surrounding landscaping.

Utility disconnects should be done prior by WisDOT.

1229-04-24 8 Razing and removing a one story, 1,314 SF single family house with two car attached garage. Concrete patio, concrete driveway, access walks, curbs and steps. Irrigation well located near the rear patio that will need to be properly abandoned & removed. 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.

321 W. Apple Tree Road, Glendale, WI 53217

Clear and grub all landscaping as shown in the exhibits.

Utility disconnects shall be done prior by WisDOT.

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:

<b>Type of Insurance</b>	<b>Minimum Limits Required*</b>
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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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-bus/eng-consultants/cnslt-rsrcs/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](mailto: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

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 PROPOSAL

REQUIRED SIGNATURE

<b>Individual</b>	The individual or a duly authorized agent.
<b>Partnership</b>	A partner or a duly authorized agent.
<b>Joint venture</b>	A member or a duly authorized agent of at least one of the joint venture firms.
<b>Corporation</b>	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.
<b>Limited liability company</b>	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-bus/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:*

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**450.2.1 Acronyms and Definitions**

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

<b>Butt Joint</b>	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.
<b>Echelon Paving</b>	Paving two or more adjacent lanes with adjacent pavers offset from each other by 200 feet or less.
<b>Notched Wedge Joint</b>	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.
<b>Tandem Paving</b>	Paving two or more adjacent lanes with adjacent pavers offset from each other by more than 200 feet.
<b>Vertical Joint</b>	A longitudinal joint between 2 paved lanes with a vertical or nearly vertical interface between the adjacent mats.

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**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 <sup>[1]</sup>	15.0 min <sup>[2]</sup>	16.0 - 17.5	16.0 min	17.0 min

<sup>[1]</sup> 14.5 for LT and MT mixes.

<sup>[2]</sup> 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.

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ERRATA

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**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..

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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 <sup>[1]</sup>	43 <sup>[1]</sup>	45	45
Sand Equivalency (AASHTO T176, min)	40	40 <sup>[2]</sup>	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 <sup>[3]</sup>	<= 89.0 <sup>[3]</sup>	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	<= 98.0
Dust to Binder Ratio <sup>[4]</sup> (% passing 0.075/Pbe)	0.6 - 1.2 <sup>[5]</sup>	0.6 - 1.2 <sup>[5]</sup>	0.6 - 1.2 <sup>[5]</sup>	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 <sup>[6]</sup> <sup>[8]</sup>	65 - 75 <sup>[6]</sup> <sup>[7]</sup> <sup>[9]</sup>	65 - 75 <sup>[6]</sup> <sup>[7]</sup> <sup>[9]</sup>	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283) <sup>[10]</sup> <sup>[11]</sup>				
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

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

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

<sup>[3]</sup> The percent maximum density at initial compaction is only a guideline.

<sup>[4]</sup> 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.

<sup>[5]</sup> 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.

<sup>[6]</sup> 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.

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

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

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

<sup>[10]</sup> WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

<sup>[11]</sup> 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.

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## 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).

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**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 #5

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:** Ranch Style 1,486 SF single family home with two car attached garage. Access walks, curbs, steps, and concrete driveway if applicable. Miscellaneous fencing, garden shed if present, 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 5, 317 W. Clovernook Lane, Glendale, WI

**PHOTOS OF THE SUBJECT**



1.) Front elevation



2.) Front elevation



3.) Rear elevation



4.) Rear yard

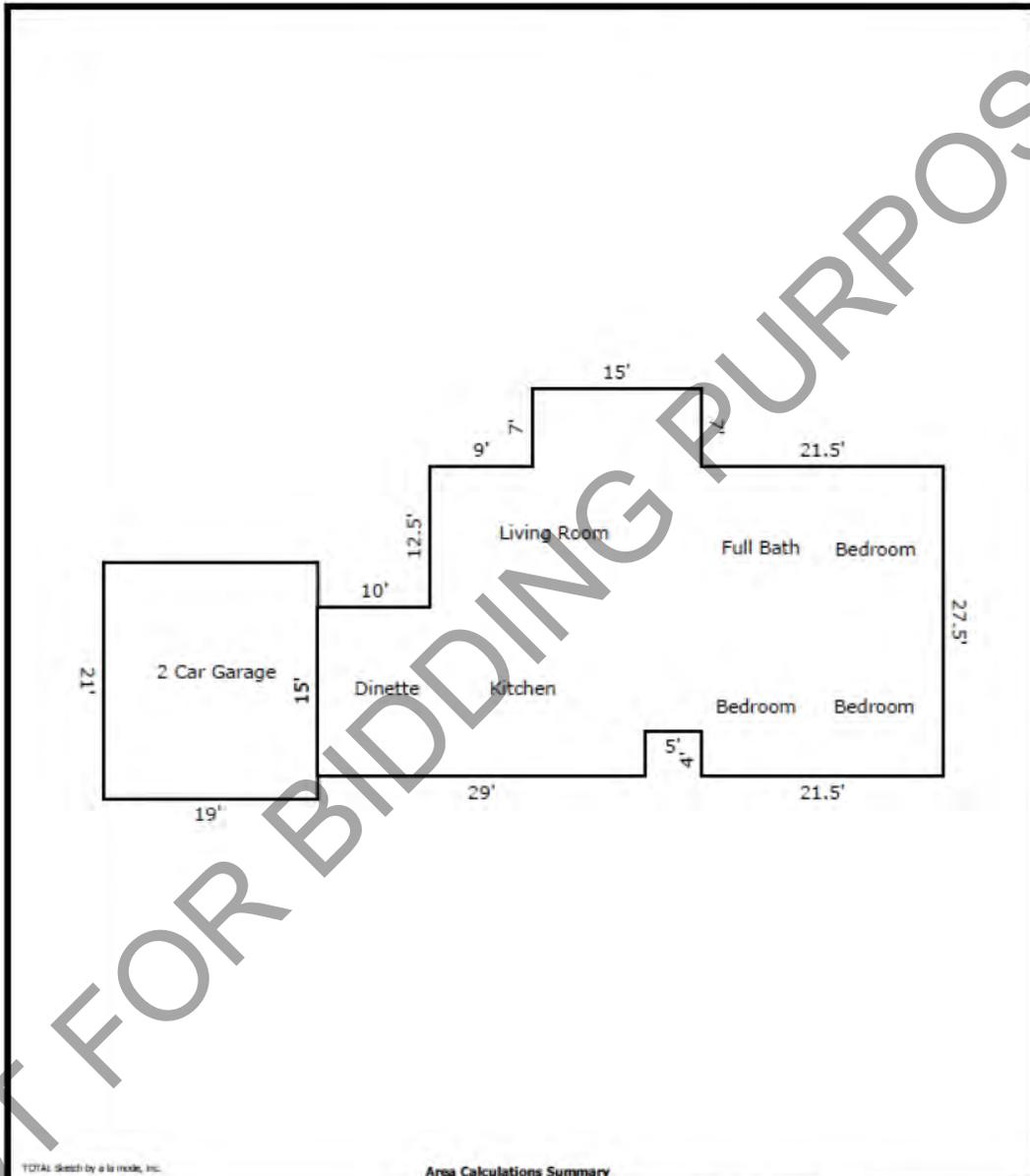


5.) Port Washington Road frontage



6.) Clovernook Lane frontage

**BUILDING SKETCH**



TOTAL Sketch by a la mode, Inc.

**Area Calculations Summary**

Living Area		Calculation Details
First Floor	1486.25 Sq ft	$15 \times 7 = 105$ $27.5 \times 21.5 = 591.25$ $15 \times 10 = 150$ $24 \times 23.5 = 564$ $4 \times 19 = 76$
<b>Total Living Area (Rounded):</b>	<b>1486 Sq ft</b>	
<b>Non-living Area</b>		
2 Car Attached	399 Sq ft	$19 \times 21 = 399$

## 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.

<b>Year built:</b>	1952
<b>Number of stories:</b>	Ranch
<b>Above grade square feet:</b>	1,486 square feet
<b>Bedrooms (above grade):</b>	3
<b>Baths (above grade):</b>	1 full above grade (see condition comments)
<b>Below grade square feet:</b>	1,170 square feet
<b>Below grade finished area:</b>	480+/- square feet with half bath
<b>Building frame:</b>	Wood
<b>Roof type:</b>	Asphalt shingle
<b>Exterior:</b>	Wood and stone
<b>Heating:</b>	Forced air gas furnace
<b>Cooling:</b>	Central air
<b>Garage:</b>	Attached 2-car
<b>Fuel type:</b>	Natural gas
<b>Electrical:</b>	Adequate service
<b>Porch/deck/patios:</b>	None
<b>Driveway:</b>	Concrete
<b>Landscaping:</b>	Average with mature trees

**Condition:** The interior of the property is in average overall condition. The first floor full bath was gutted at the time of inspection. A typical buyer would deduct the cost-to-cure the bath in their pricing. However, no professional contractor repair estimates are available. It is an extraordinary assumption that the negative impact on market value is \$5,000 based on the appraiser's inspection. It is 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.

**Quality of Construction:** Average quality interior and exterior finishes

INTERIOR PHOTOS



1.) Living room



2.) Living room



3.) Kitchen



4.) Dining room



5.) Bedroom



6.) Lower recreation room

**LOCATION MAP**

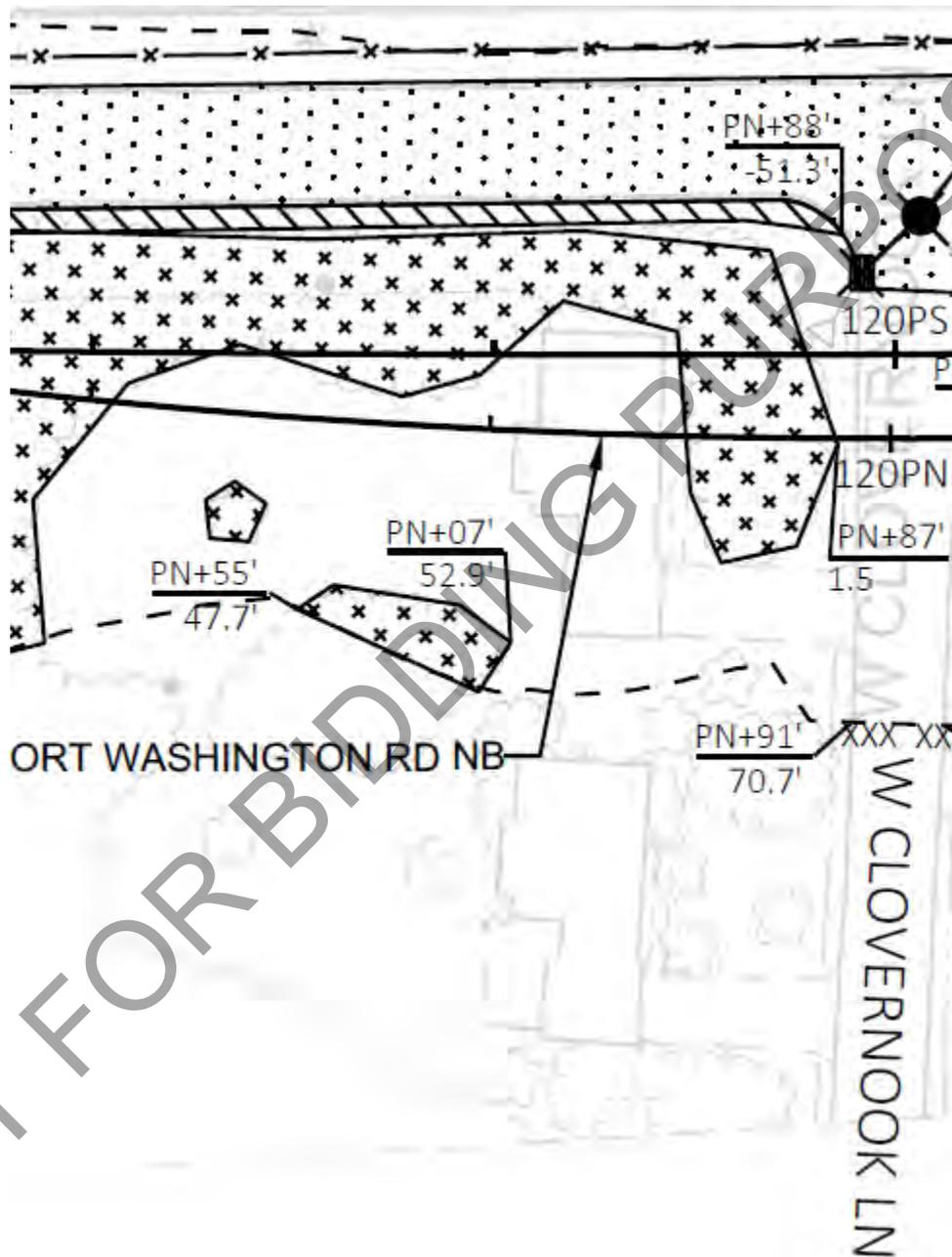


July 21, 2020

ID 1229-04-21 Parcel 5, 317 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\*





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](mailto:Inspections@glendale-wi.org).



# Asbestos-Containing Material and Pre-Demolition Reconnaissance

317 W. Clovernook Lane (Parcel 5),  
Glendale, Milwaukee County,  
Wisconsin

August 2021

Tom Perkins  
WDHFS Asbestos Inspector, All-252595

John Roelke  
WDHFS Asbestos Inspector, All-119523

WisDOT Project #1229-04-21

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC  
708 Heartland Trail, Suite 3000  
Madison, Wisconsin 53717

Daniel Haak, P.E.  
Project Manager

NOT FOR BIDDING PURPOSES

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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 317 W. Clovernook Lane (Parcel 5) 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 6 sq ft of white window glazing around exterior windows
- Approximately 1,400 sq ft of red-brown/tan/green 8"x8" vinyl tiles on 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 317 W. Clovernook Lane (Parcel 5) 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 August 4 and 17, 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 August 4 and 17, 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 48 samples were collected during the August sampling events and analyzed for the presence of ACM. Materials sampled included: window glazing, caulk, asphalt shingles, roofing paper, tar/sealant, fiberboard, rubber, ceiling tile, pad, laminate flooring, leveling cement, grout, slate tile, wallpaper/mastic, vinyl tile, mastic, 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.

The following Category I non-friable ACM is present:

- Approximately 6 sq ft of white window glazing around exterior windows
- Approximately 1,400 sq ft of red-brown/tan/green 8"x8" vinyl tiles on basement floor

## 3.0 ACM Abatement

### 3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 6 sq ft of white window glazing around exterior windows
- Approximately 1,400 sq ft of red-brown/tan/green 8"x8" vinyl tiles on 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 6 sq ft of white window glazing around exterior windows
- Approximately 1,400 sq ft of red-brown/tan/green 8"x8" vinyl tiles on 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: 317 W. Clovernook Lane (Parcel 5)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: 8/4/2021, 8/17/2021  
 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
P5-1	Exterior windows	Window glazing	White	Good	PLM, 3%	Non-friable	6 sq ft
P5-2	Exterior windows	Window glazing	White	Good	NA/PS	Non-friable	
P5-3	Exterior windows	Window glazing	White	Good	NA/PS	Non-friable	
P5-4	Exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	0
P5-5	Exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	
P5-6	Exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	
P5-7	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2) Asphalt shingle (layer 3)	Black (layer 1) Black/Brown/Green (layer 2) Black (layer 3)	Good	PLM, non-detect	--	0
P5-8	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2) Asphalt shingle (layer 3)	Black (layer 1) Black/Brown/Green (layer 2) Black (layer 3)	Good	PLM, non-detect	--	
P5-9	Roof	Roofing paper (layer 1) Asphalt shingle (layer 2) Asphalt shingle (layer 3)	Black (layer 1) Black/Brown/Green (layer 2) Black (layer 3)	Good	PLM, non-detect	--	
P5-10	Around roof vent	Tar/sealant	Black	Good	PLM, non-detect	--	0
P5-11	Around roof skylight	Tar/sealant	Black	Good	PLM, non-detect	--	
P5-12	Around roof vent	Tar/sealant	Black	Good	PLM, non-detect	--	
P5-13	Flat roof	Fiberboard (layer 1) Tar/adhesive (layer 2) Rubber (layer 3)	Brown (layer 1) Black (layer 2) Black (layer 3)	Good	PLM, non-detect	--	0
P5-14	Flat roof	Fiberboard (layer 1) Tar/adhesive (layer 2) Rubber (layer 3)	Brown (layer 1) Black (layer 2) Black (layer 3)	Good	PLM, non-detect	--	
P5-15	Flat roof	Fiberboard (layer 1) Tar/adhesive (layer 2) Rubber (layer 3)	Brown (layer 1) Black (layer 2) Black (layer 3)	Good	PLM, non-detect	--	
P5-16	Basement ceiling	Ceiling tile	White/gray	Good	PLM, non-detect	--	0
P5-17	Basement ceiling	Ceiling tile	White/gray	Good	PLM, non-detect	--	
P5-18	Basement ceiling	Ceiling tile	White/gray	Good	PLM, non-detect	--	
P5-19	Basement floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Red-brown/Tan/Green (layer 2)	Good	PLM, non-detect (layer 1) 10% (layer 2)	Non-friable	1,400 sq ft
P5-20	Basement floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Red-brown/Tan/Green (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	
P5-21	Basement floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Red-brown/Tan/Green (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT  
 Name: 317 W. Clovernook Lane (Parcel 5)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: 8/4/2021, 8/17/2021  
 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
P5-22	Kitchen, Dining room, Living room floors	Pad (layer 1) Laminate flooring (layer 2)	Green (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	
P5-23	Kitchen, Dining room, Living room floors	Pad (layer 1) Laminate flooring (layer 2)	Green (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P5-24	Kitchen, Dining room, Living room floors	Pad (layer 1) Laminate flooring (layer 2)	Green (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	
P5-25	Front entrance floor and fireplace hearth	Leveling compound (layer 1) Grout (layer 2) Slate tile (layer 3)	White (layer 1) White (layer 2) Dark green/Red (layer 3)	Good	PLM, non-detect	--	
P5-26	Front entrance floor and fireplace hearth	Leveling compound (layer 1) Grout (layer 2) Slate tile (layer 3)	White (layer 1) White (layer 2) Dark green/Red (layer 3)	Good	PLM, non-detect	--	0
P5-27	Front entrance floor and fireplace hearth	Leveling compound (layer 1) Grout (layer 2) Slate tile (layer 3)	White (layer 1) White (layer 2) Dark green/Red (layer 3)	Good	PLM, non-detect	--	
P5-28	Kitchen and Bedroom 1 walls	Wallpaper/mastic	White/Red/Tan	Good	PLM, non-detect	--	
P5-29	Kitchen and Bedroom 1 walls	Wallpaper/mastic	Pink/Blue/Brown/White	Good	PLM, non-detect	--	0
P5-30	Kitchen and Bedroom 1 walls	Wallpaper/mastic	Brown/Tan	Good	PLM, non-detect	--	
P5-31	Bathroom 1 floor	Rubber backing (layer 1) Laminate flooring (layer 2)	Black (layer 1) Gray/Black (layer 2)	Good	PLM, non-detect	--	
P5-32	Bathroom 1 floor	Rubber backing (layer 1) Laminate flooring (layer 2)	Black (layer 1) Gray/Black (layer 2)	Good	PLM, non-detect	--	0
P5-33	Bathroom 1 floor	Rubber backing (layer 1) Laminate flooring (layer 2)	Black (layer 1) Gray/Black (layer 2)	Good	PLM, non-detect	--	
P5-34	Basement bathroom floor	Pad (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P5-35	Basement bathroom floor	Pad (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	0
P5-36	Basement bathroom floor	Pad (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect	--	
P5-37	Around basement HVAC	Tar/caulk	Gray	Good	PLM, non-detect	--	
P5-38	Around basement HVAC	Tar/caulk	Gray	Good	PLM, non-detect	--	0
P5-39	Around basement HVAC	Tar/caulk	Gray	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT  
 Name: 317 W. Clovernook Lane (Parcel 5)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: 8/4/2021, 8/17/2021  
 Samples Collected By: Tom Perkins, John Roelke  
 Asbestos Inspector Number: All-252595, All-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P5-40	Bathroom 1 tub wall	Mastic (layer 1) Fiberboard (layer 2)	Tan (layer 1) Gray/Brown (layer 2)	Good	PLM, non-detect	--	
P5-41	Bathroom 1 tub wall	Mastic (layer 1) Fiberboard (layer 2)	Tan (layer 1) Gray/Brown (layer 2)	Good	PLM, non-detect	--	0
P5-42	Bathroom 1 tub wall	Mastic (layer 1) Fiberboard (layer 2)	Tan (layer 1) Gray/Brown (layer 2)	Good	PLM, non-detect	--	
P5-43	Bedroom 1 wall	Paper (layer 1) Drywall (layer 2)	Brown (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P5-44	Living room wall	Paper (layer 1) Drywall (layer 2)	Brown (layer 1) White (layer 2)	Good	PLM, non-detect	--	0
P5-45	Kitchen wall	Paper (layer 1) Drywall (layer 2)	Brown (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P5-40c	Around base of chimney	Caulk	White	Good	PLM, non-detect	--	
P5-41c	Around base of chimney	Caulk	White	Good	PLM, non-detect	--	0
P5-42c	Around base of chimney	Caulk	White	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.

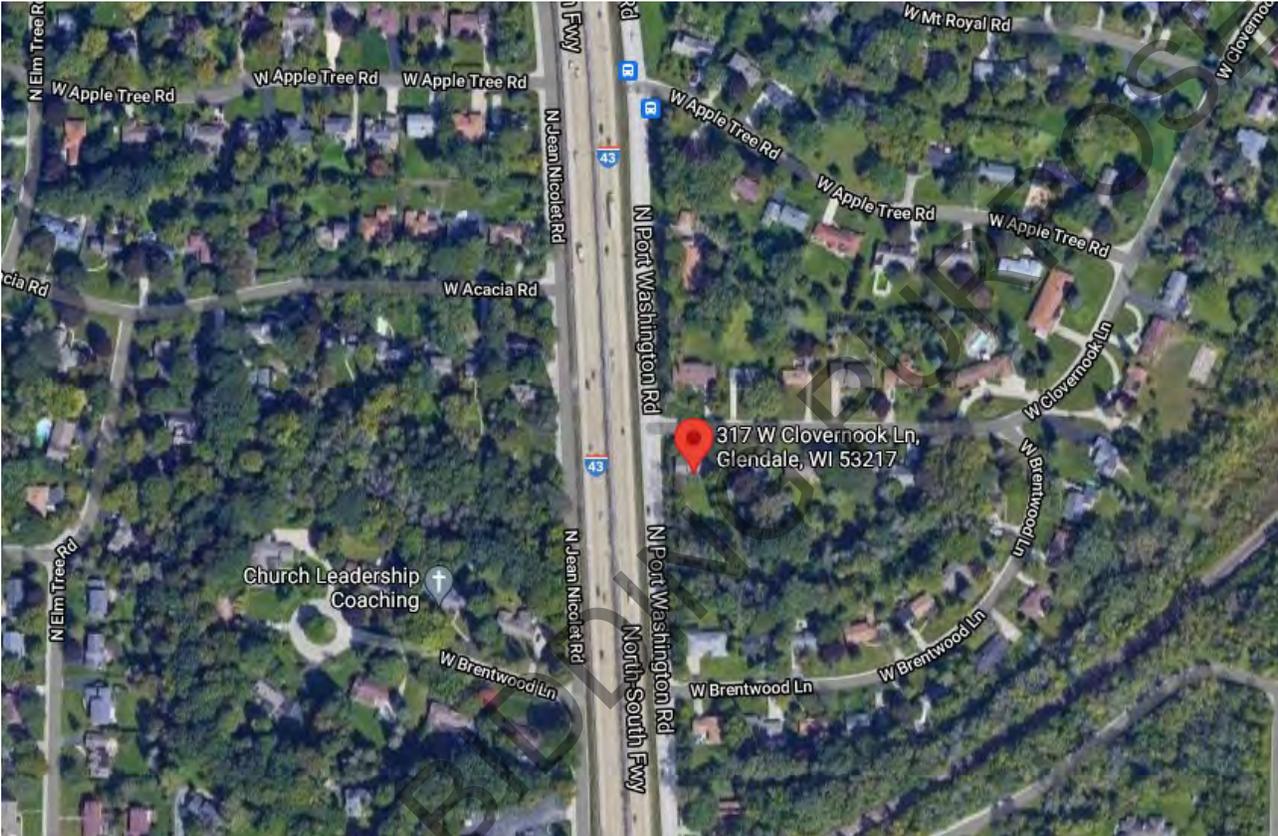
**Significantly damaged:** The material is friable that has sustained extensive or severe damage.

Created By: A. Voit

Checked By: D. Haak

# FIGURE 1 - SITE LOCATION MAP

317 W. CLOVERNOOK LANE (PARCEL 5), GLENDALE



SHEET NO. 1 OF 23  
PROJECT NO. 441231.0000.000  
DATE 8/4/21  
BY GAR  
CHK'D TWP



SUBJECT 317 W. Clovernook Ln.

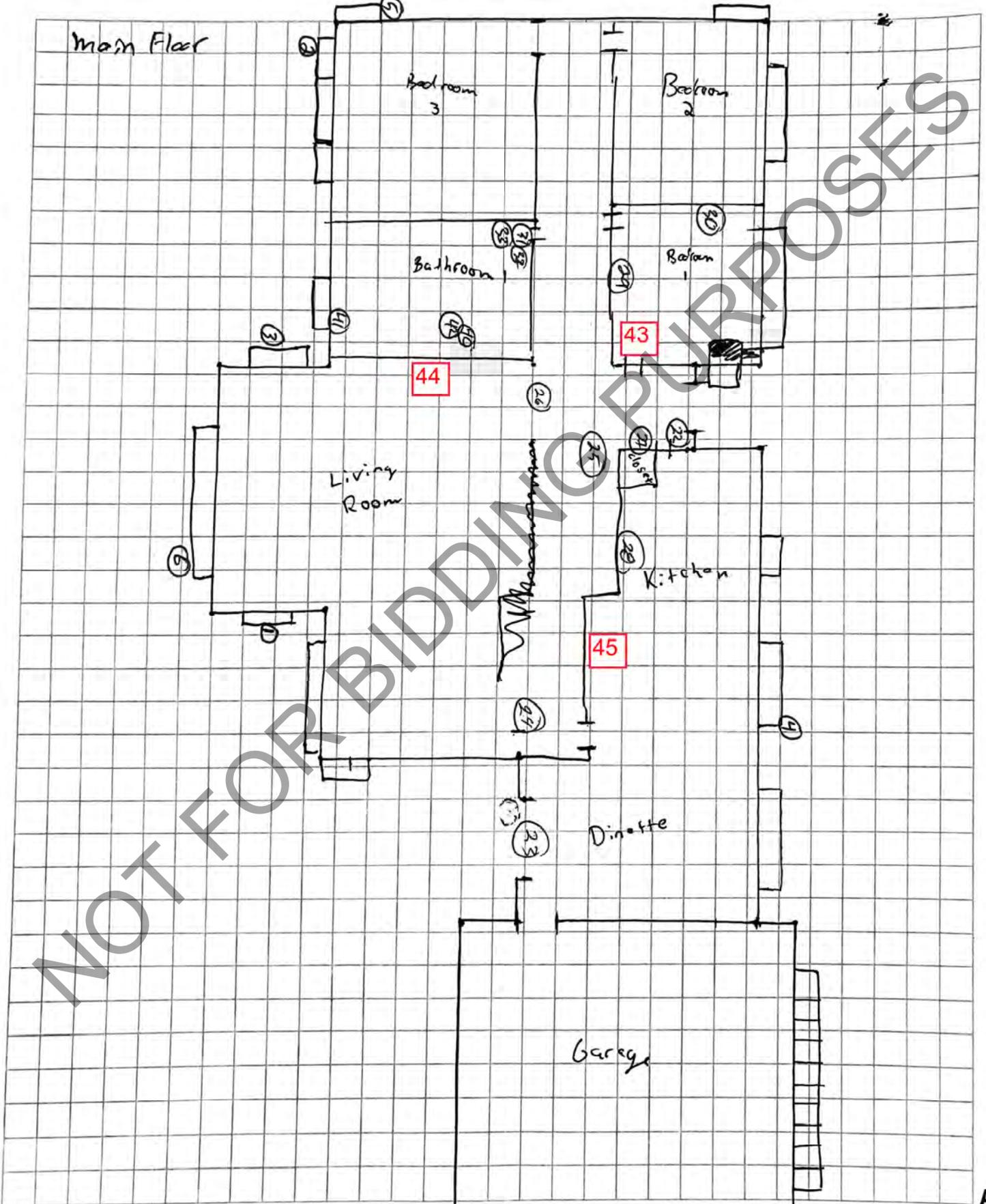


FIGURE 2

Parcel 5

SHEET NO. 2 OF 23  
PROJECT NO. 441231.0000.0000  
DATE 8/4/21  
BY ZAA  
CHK'D TWP



SUBJECT 317 W. Clovernook Ln

Roof

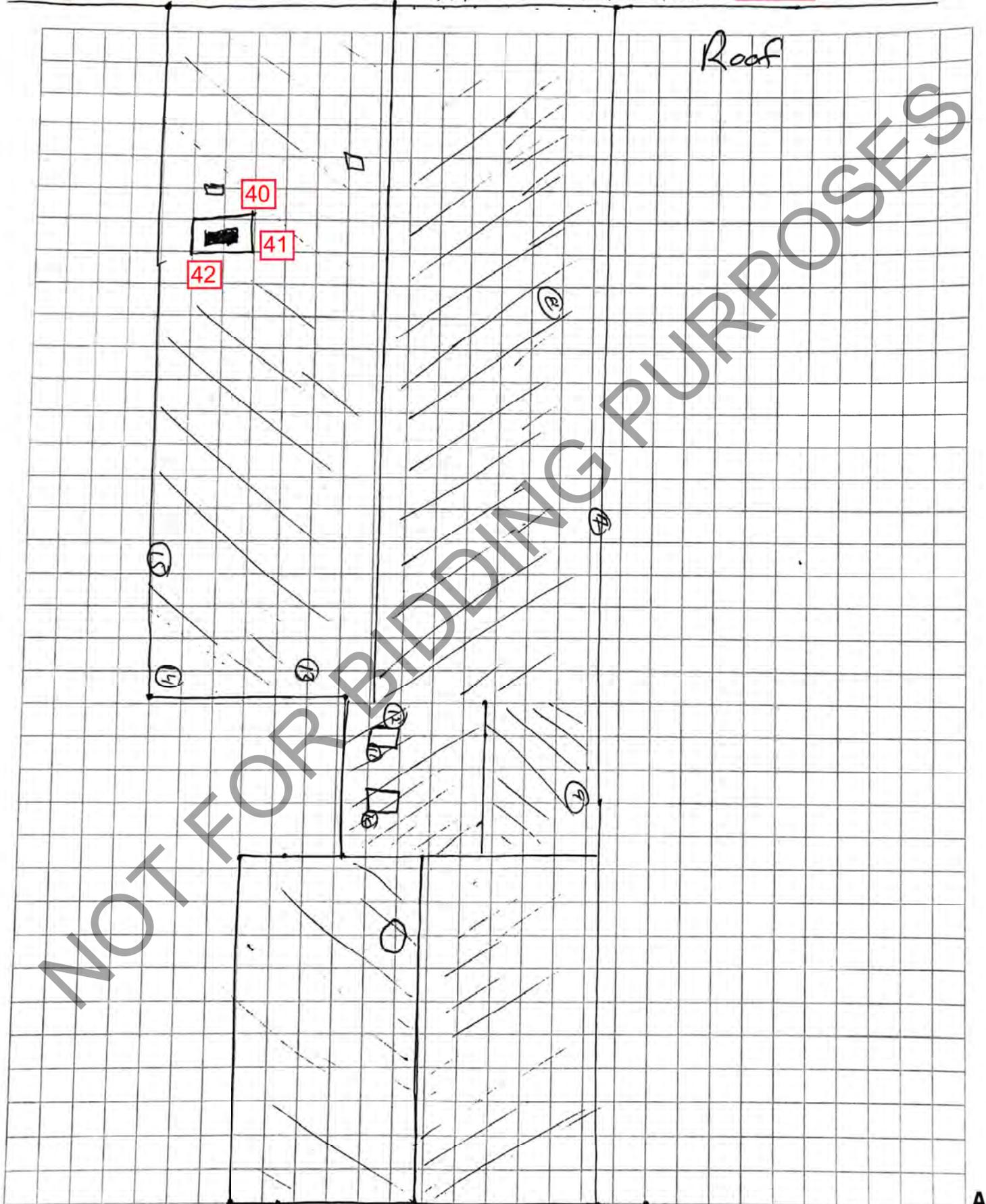


FIGURE 2

Parcel 5

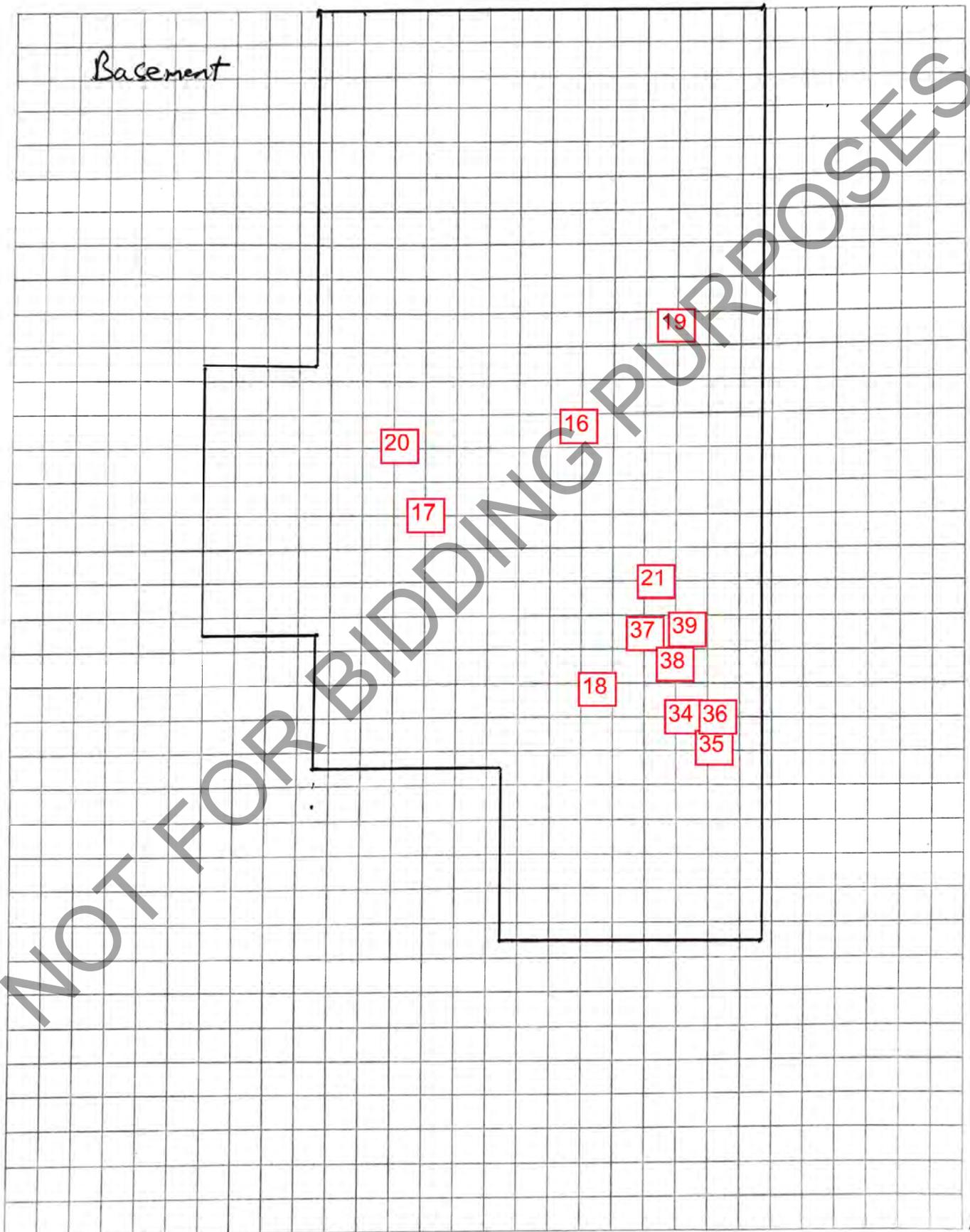
SHEET NO. 3 OF 3

PROJECT NO. 441231.0000.0000

DATE 441231.0000.0000

BY STR

SUBJECT 317 W. Clovernook Lane, Glendale, WI TWP



A

## Appendix A: Photographs

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 1	<b>Date</b> 8/4/2021		
<b>Description</b> Front of house			

<b>Photo No.</b> 2	<b>Date</b> 8/4/2021		
<b>Description</b> Garage/front of house			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 3	<b>Date</b> 8/4/2021		
<b>Description</b> Side of house			
<b>Photo No.</b> 4	<b>Date</b> 8/4/2021		
<b>Description</b> Back of house			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 5	<b>Date</b> 8/4/2021		
<b>Description</b> Window glazing on exterior of windows  Contains 3% non-friable ACM			
<b>Photo No.</b> 6	<b>Date</b> 8/4/2021		
<b>Description</b> Location of caulk around exterior window and door frames			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 7	<b>Date</b> 8/4/2021		
<b>Description</b> Caulk around exterior window and door frames  Non-detect for ACM			
<b>Photo No.</b> 8	<b>Date</b> 8/4/2021		
<b>Description</b> Roofing paper and 2 layers of asphalt shingles  All non-detect for ACM			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 9	<b>Date</b> 8/4/2021		
<b>Description</b> Black tar/sealant around vent on roof  Non-detect for ACM			
<b>Photo No.</b> 10	<b>Date</b> 8/4/2021		
<b>Description</b> Fiberboard, black tar/adhesive, and rubber on flat roof  All non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 11	<b>Date</b> 8/17/2021		
<b>Description</b> Chimney			
<b>Photo No.</b> 12	<b>Date</b> 8/17/2021		
<b>Description</b> Caulk around base of chimney  Non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 13	<b>Date</b> 8/4/2021		
<b>Description</b> Interior of garage			
<b>Photo No.</b> 14	<b>Date</b> 8/4/2021		
<b>Description</b> Front entrance			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 15	<b>Date</b> 8/4/2021		
<b>Description</b> Kitchen/Dining room			
<b>Photo No.</b> 16	<b>Date</b> 8/4/2021		
<b>Description</b> Kitchen			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 17	<b>Date</b> 8/4/2021		
<b>Description</b> Living room			
<b>Photo No.</b> 18	<b>Date</b> 8/4/2021		
<b>Description</b> Hallway			

NOT FOR BIDDING PURPOSES

### Photographic Log

Client Name:		Site Location:	Project No.:
WisDOT		317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000
Photo No.	Date		
19	8/4/2021		
Description			
Pad and laminate flooring in Kitchen/Dining/Living rooms and hallway  Both non-detect for ACM			
Photo No.	Date		
20	8/4/2021		
Description			
Leveling compound, grout, and slate tile on front entrance floor and fireplace hearth  All non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 21	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 1			
<b>Photo No.</b> 22	<b>Date</b> 8/4/2021		
<b>Description</b> Wallpaper/mastic on Kitchen and bedroom 1 walls  Non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 23	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 2			
<b>Photo No.</b> 24	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 3			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 25	<b>Date</b> 8/4/2021		<p><b>Description</b> Drywall and paper on walls in bedrooms/Living room/Kitchen</p> <p>Both non-detect for ACM</p>
<b>Photo No.</b> 26	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom 1			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 27	<b>Date</b> 8/4/2021		
<b>Description</b> Rubber backing and laminate flooring on bathroom 1 floor  Both non-detect for ACM			
<b>Photo No.</b> 28	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom 1 tub			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 29	<b>Date</b> 8/4/2021		
<b>Description</b> Mastic and fiberboard on bathroom 1 tub wall  Both non-detect for ACM			
<b>Photo No.</b> 30	<b>Date</b> 8/4/2021		
<b>Description</b> Basement stairs			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 31	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			
<b>Photo No.</b> 32	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 33	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			
<b>Photo No.</b> 34	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 35	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

<b>Photo No.</b> 36	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 37	<b>Date</b> 8/4/2021		
<b>Description</b> Ceiling tiles in basement  Non-detect for ACM			
<b>Photo No.</b> 38	<b>Date</b> 8/4/2021		
<b>Description</b> 8"x8" vinyl tile and adhesive on basement floor  Adhesive is non-detect for ACM, 8"x8" vinyl tiles contain 10% non-friable ACM			

### Photographic Log

Client Name:		Site Location:	Project No.:
WisDOT		317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000
Photo No.	Date		
39	8/4/2021		
Description			
Basement bathroom			
Photo No.	Date		
40	8/4/2021		
Description			
Pad and gray 8"x8" vinyl tile on basement bathroom floor  Both non-detect for ACM			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 317 W. Clovernook Lane (Parcel 5), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 41	<b>Date</b> 8/4/2021		
<b>Description</b> Gray tar/caulk on HVAC ductwork seam  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 #: 0057414  
 Project #: 441231.0000.0000  
 Date Received: 08/09/2021  
 Date Analyzed: 08/10/2021

Site: Parcel 5, 317 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
P5-1	Exterior window	White glazing	---	3%	Chrysotile
P5-2	Exterior window	--	--	NA/PS	--
P5-3	Exterior window	--	--	NA/PS	--
P5-4	Exterior windows & siding	White caulk	---	ND	None
P5-5	Exterior windows & siding	White caulk	---	ND	None
P5-6	Exterior windows & siding	White caulk	---	ND	None
P5-7	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P5-7		LAYER 2 Black/Brown/Green asphalt shingle	20% fibrous glass	ND	None
P5-7		LAYER 3 Black asphalt shingle	20% fibrous glass	ND	None
P5-8	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P5-8		LAYER 2 Black/Brown/Green asphalt shingle	20% fibrous glass	ND	None
P5-8		LAYER 3 Black asphalt shingle	20% fibrous glass	ND	None
P5-9	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P5-9		LAYER 2 Black/Brown/Green asphalt shingle	20% fibrous glass	ND	None
P5-9		LAYER 3 Black asphalt shingle	20% fibrous glass	ND	None
P5-10	Roof venting	Black tar/sealant	20% cellulose	ND	None
P5-11	Roof skylight	Black tar/sealant	20% cellulose	ND	None
P5-12	Roof venting	Black tar/sealant	20% cellulose	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387  
 ID 1229-04-21 Parcel 5, 317 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
P5-13	Flat Roof	LAYER 1 Brown fiber board	99% cellulose	ND	None
P5-13		LAYER 2 Black tar/adhesive	---	ND	None
P5-13		LAYER 3 Black rubber membrane	---	ND	None
P5-14	Flat Roof	LAYER 1 Brown fiber board	99% cellulose	ND	None
P5-14		LAYER 2 Black tar/adhesive	---	ND	None
P5-14		LAYER 3 Black rubber membrane	---	ND	None
P5-15	Flat Roof	LAYER 1 Brown fiber board	99% cellulose	ND	None
P5-15		LAYER 2 Black tar/adhesive	---	ND	None
P5-15		LAYER 3 Black rubber membrane	---	ND	None
P5-16	Basement ceiling	White/Grey ceiling tile	60% cellulose 20% mineral wool	ND	None
P5-17	Basement ceiling	White/Grey ceiling tile	60% cellulose 20% mineral wool	ND	None
P5-18	Basement ceiling	White/Grey ceiling tile	60% cellulose 20% mineral wool	ND	None
P5-19	Basement floor	LAYER 1 Black adhesive	---	ND	None
P5-19		LAYER 2 Red-Brown/Tan/Green 8"x8" vinyl tile	---	10%	Chrysotile
P5-20	Basement floor	LAYER 1 Black adhesive	---	ND	None
P5-20		--	--	NA/PS	--
P5-21	Basement floor	LAYER 1 Black adhesive	---	ND	None
P5-21		--	--	NA/PS	--
P5-22	Kitchen & Dinette floor	LAYER 1 Green pad	---	ND	None
P5-22		LAYER 2 Brown laminate flooring	99% cellulose	ND	None
P5-23	Kitchen & Dinette floor	LAYER 1 Green pad	---	ND	None
P5-23		LAYER 2 Brown laminate flooring	99% cellulose	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387  
 ID 1229-04-21 Parcel 5, 317 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
P5-24	Kitchen & Dinette floor	LAYER 1 Green pad	---	ND	None
P5-24		LAYER 2 Brown laminate flooring	99% cellulose	ND	None
P5-25	Front entrance & fireplace hearth	LAYER 1 White leveling compound	---	ND	None
P5-25		LAYER 2 White grout	---	ND	None
P5-25		LAYER 3 Dark Green/Red slate tile	---	ND	None
P5-26	Front entrance & fireplace hearth	LAYER 1 White leveling compound	---	ND	None
P5-26		LAYER 2 White grout	---	ND	None
P5-26		LAYER 3 Dark Green/Red slate tile	---	ND	None
P5-27	Front entrance & fireplace hearth	LAYER 1 White leveling compound	---	ND	None
P5-27		LAYER 2 White grout	---	ND	None
P5-27		LAYER 3 Dark Green/Red slate tile	---	ND	None
P5-28	Kitchen & Bedroom 1 walls	White/Red/Tan wall paper/mastic	99% cellulose	ND	None
P5-29	Kitchen & Bedroom 1 walls	Pink/Blue/Brown/White wall paper/mastic	99% cellulose	ND	None
P5-30	Kitchen & Bedroom 1 walls	Brown/Tan wall paper/mastic	99% cellulose	ND	None
P5-31	Bathroom 1 Floor	LAYER 1 Black rubber backing	---	ND	None
P5-31		LAYER 2 Grey/Black laminate floor	---	ND	None
P5-32	Bathroom 1 Floor	LAYER 1 Black rubber backing	---	ND	None
P5-32		LAYER 2 Grey/Black laminate floor	---	ND	None
P5-33	Bathroom 1 Floor	LAYER 1 Black rubber backing	---	ND	None
P5-33		LAYER 2 Grey/Black laminate floor	---	ND	None
P5-34	Basement Bath	LAYER 1 Black pad	---	ND	None
P5-34		LAYER 2 Grey 8"x8" vinyl tile	---	ND	None
P5-35	Basement Bath	LAYER 1 Black pad	---	ND	None
P5-35		LAYER 2 Grey 8"x8" vinyl tile	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
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 ID 1229-04-21 Parcel 5, 317 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
P5-36	Basement Bath	LAYER 1 Black pad	---	ND	None
P5-36		LAYER 2 Grey 8"x8" vinyl tile	---	ND	None
P5-37	Basement HVAC	Grey adhesive	---	ND	None
P5-38	Basement HVAC	Grey adhesive	---	ND	None
P5-39	Basement HVAC	Grey adhesive	---	ND	None
P5-40	Bathroom 1 tub wall	LAYER 1 Tan mastic	---	ND	None
P5-40		LAYER 2 Grey/Brown fiber board	99% cellulose	ND	None
P5-41	Bathroom 1 tub wall	LAYER 1 Tan mastic	---	ND	None
P5-41		LAYER 2 Grey/Brown fiber board	99% cellulose	ND	None
P5-42	Bathroom 1 tub wall	LAYER 1 Tan mastic	---	ND	None
P5-42		LAYER 2 Grey/Brown fiber board	99% cellulose	ND	None
P5-43	Bedroom 1	LAYER 1 Brown paper	99% cellulose	ND	None
P5-43		LAYER 2 White drywall	2% cellulose	ND	None
P5-44	Living Room	LAYER 1 Brown paper	99% cellulose	ND	None
P5-44		LAYER 2 White drywall	2% cellulose	ND	None
P5-45	Kitchen	LAYER 1 Brown paper	99% cellulose	ND	None
P5-45		LAYER 2 White drywall	2% cellulose	ND	None

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**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**



**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 Reviewed by: Joel Corso **Date Issued**  
 Kathleen Williamson, Laboratory Manager Joel Corso, Approved Signatory 08/11/2021

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**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387  
 ID 1229-04-21 Parcel 5, 317 W. Clovernook Lane, Glendale, WI





**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057465  
 Project #: 441231.0000.0000  
 Date Received: 08/23/2021  
 Date Analyzed: 08/25/2021

Site: Parcel 5, Glendale, WI

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P5-40c	Chimney- House exterior	White caulk	---	ND	None
P5-41c	Chimney- House exterior	White caulk	---	ND	None
P5-42c	Chimney- House exterior	White caulk	---	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.

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Analyzed by: Joel Corso  
 Joel Corso, Laboratory Analyst

Reviewed by: K. Williamson  
 Kathleen Williamson, Laboratory Manager

**Date Issued**  
 08/25/2021

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
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 CO# AL-15020 PHIL# 461 PA#68-03387  
 ID 1229-04-21 Parcel 5, 317 W. Clovernook Lane, Glendale, WI



## Exhibits

ID 1229-04-21 #10

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:** Ranch style 1,418 SF single family home with two car attached garage. Access walks, curbs, steps, and concrete 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 10, 335 W. Daphne Road, Glendale, WI

**PHOTOS OF THE SUBJECT**



1.) Front elevation facing south



2.) Front elevation facing southeast



3.) Patio facing north



4.) Rear of property facing north

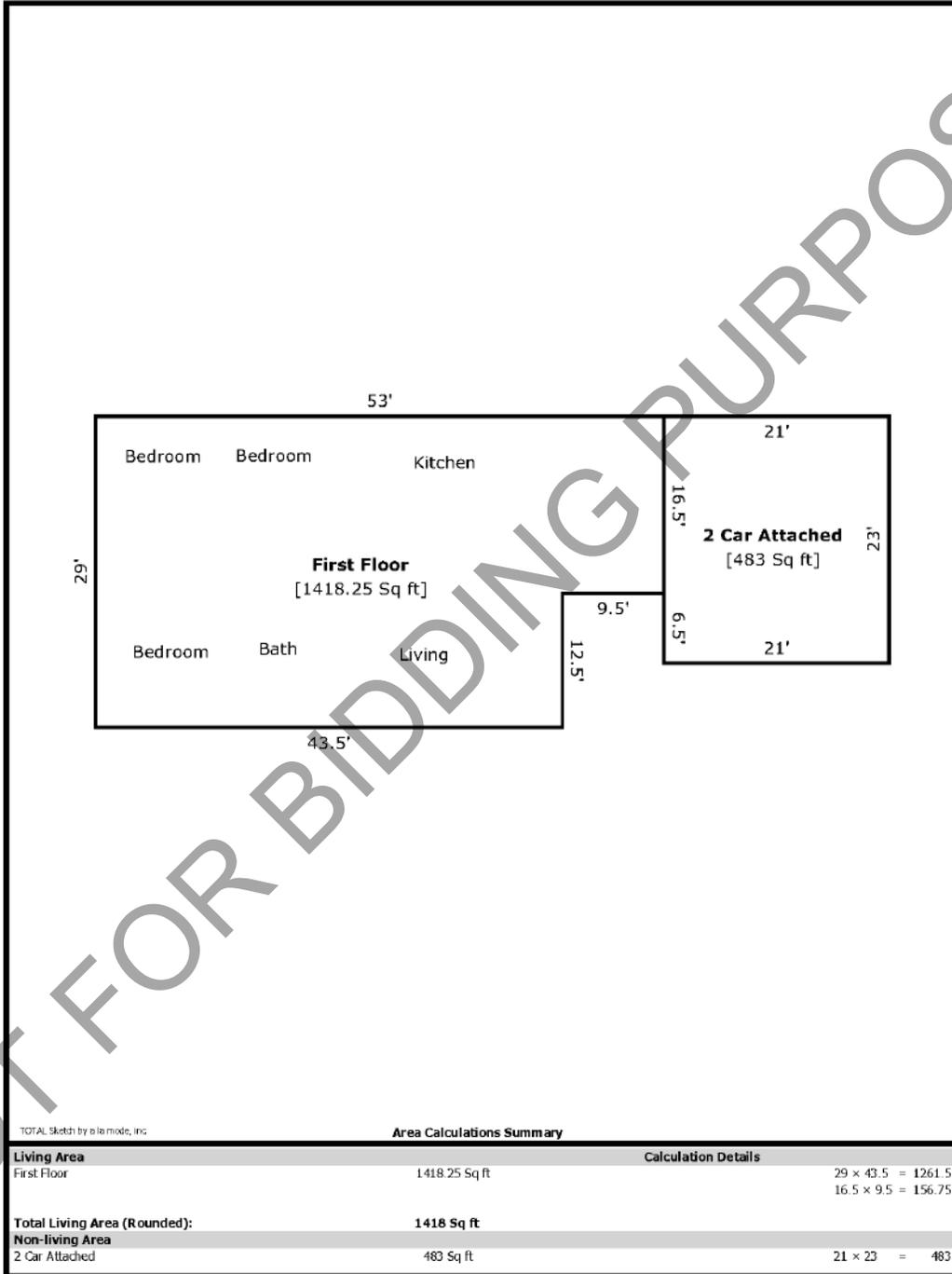


5.) Backyard facing south



6.) View along Port Washington Road facing south

**BUILDING SKETCH**



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

ID 1229-04-21 Parcel 10, 335 W. Daphne Road, Glendale, WI

**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.

<b>Year built:</b>	1953
<b>Number of stories:</b>	Ranch
<b>Above grade square feet:</b>	1,418 square feet (based on appraiser's measurements)
<b>Bedrooms (above grade):</b>	3
<b>Baths (above grade):</b>	1 full
<b>Below grade square feet:</b>	1,262 square feet
<b>Below grade finished area:</b>	828+/- square feet
<b>Rooms below grade:</b>	Rec room, bedroom, half bath. A full bath is located in the unfinished area.
<b>Building frame:</b>	Wood
<b>Roof type:</b>	Asphalt shingle
<b>Exterior:</b>	Brick
<b>Heating:</b>	Forced air gas furnace
<b>Cooling:</b>	Central air
<b>Garage:</b>	Attached 2-car
<b>Fuel type:</b>	Natural gas
<b>Electrical:</b>	200-amp service
<b>Hot water heater</b>	40-gallon
<b>Porch/deck/patios:</b>	Concrete patio
<b>Other Amenities:</b>	Natural Fireplace
<b>Driveway:</b>	Concrete
<b>Landscaping:</b>	Good with wood fencing along N. Port Washington Road
<b>Condition:</b>	The home has been updated since it was purchased in 2019. The kitchen was gutted and upgraded with new cabinets, concrete counters, hardwood flooring, recessed lighting, farmhouse sink, double hung window, and stainless steel appliances. Other updates include main floor bath (new vanity, toilet, lighting, and bath fan), fresh paint, refinished hardwood floor, new furnace, smart thermostat, hardwire smoke/co detectors, two bedroom ceiling fans, new door hardware, smart switches and smart lock, repaired drain tile and associated drywall that was damaged in basement, added egress window, LVP flooring in basement, and new vanity and flooring in basement half bath.

Project ID: 1229-04-21

26

Parcel No. 10

**Quality of Construction:**

Average quality updated interior and average quality exterior finishes

**ID 1229-04-21 Parcel 10, 335 W. Daphne Road, Glendale, WI**

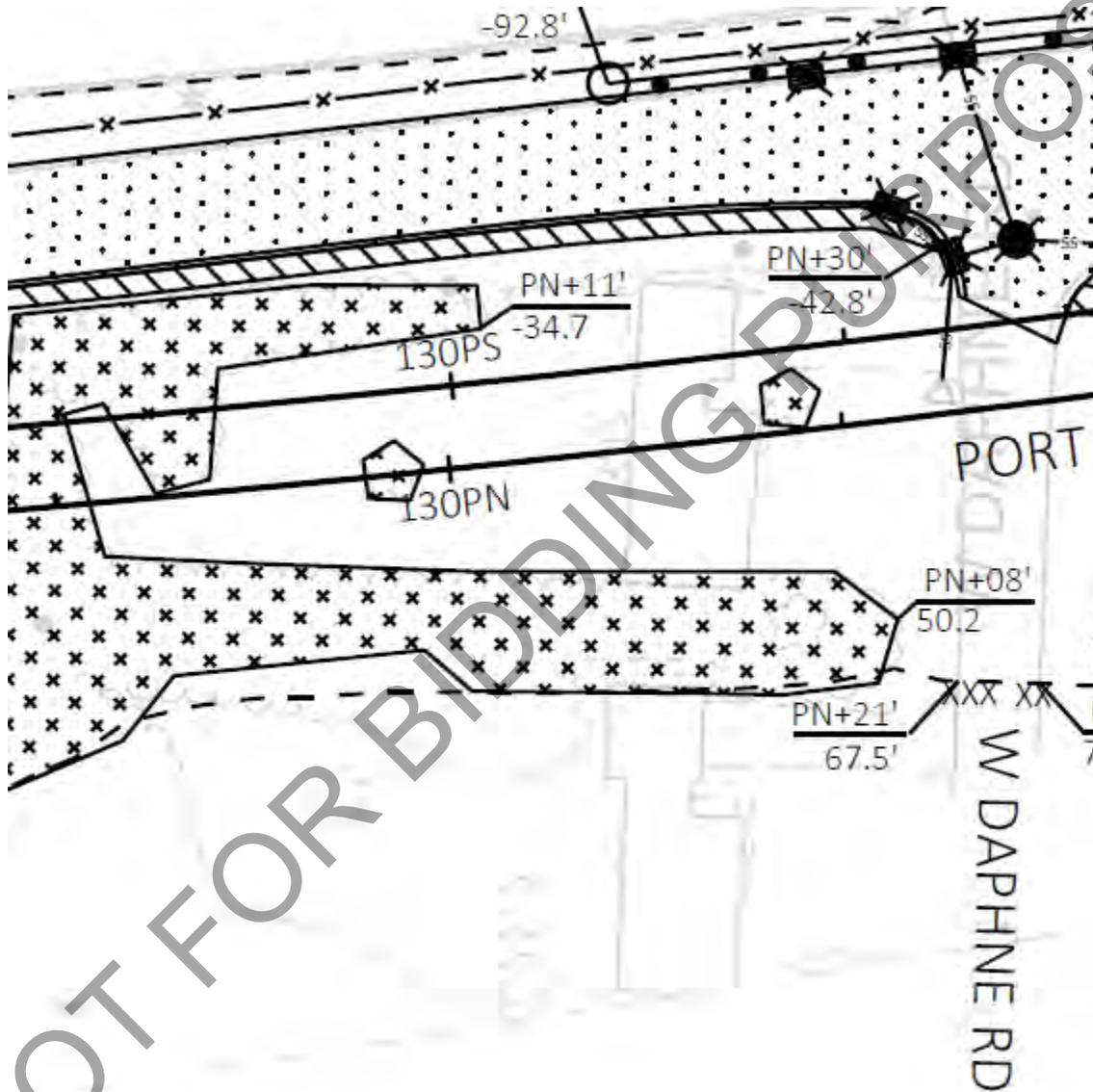
**LOCATION MAP**



ID 1229-04-21 Parcel 10, 335 W. Daphne Road, Glendale, WI

**CLEARING AND GRUBBING FROM PLAN AND PROFILE**

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





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](mailto:Inspections@glendale-wi.org).



# Asbestos-Containing Material and Pre-Demolition Reconnaissance

335 W. Daphne Road (Parcel 10),  
Glendale, Milwaukee County,  
Wisconsin

September 2021

WisDOT Project #1229-04-21

**Prepared For:**

Wisconsin Department of Transportation

**Prepared By:**

TRC  
708 Heartland Trail, Suite 3000  
Madison, Wisconsin 53717

Tom Perkins  
WDHFS Asbestos Inspector, All-252595

John Roelke  
WDHFS Asbestos Inspector, All-119523

Daniel Haak, P.E.  
Project Manager

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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 335 W. Daphne Road (Parcel 10) 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 22 sq ft of black caulk around base of chimney
- Approximately 157 sq ft of black mastic on dining room floor

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

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## 1.0 Background

### 1.1 Introduction

The WisDOT has acquired the property at 335 W. Daphne Road (Parcel 10) 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 August 4, 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 August 4, 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 #AII-252595 and 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 51 samples were collected during the August sampling event and analyzed for the presence of ACM. Materials sampled included: shingles, roofing paper, caulk, mastic, grout, ceramic tile, leveling cement, drywall, carpet, adhesive, and vinyl flooring. 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 22 sq ft of black caulk around base of chimney
- Approximately 157 sq ft of black mastic on dining room floor

## 3.0 ACM Abatement

### 3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 22 sq ft of black caulk around base of chimney
- Approximately 157 sq ft of black mastic on dining room 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 22 sq ft of black caulk around base of chimney
- Approximately 157 sq ft of black mastic on dining room 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: 335 W. Daphne Road (Parcel 10)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: August 4, 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
P10-1	Roof	Roofing paper (layer 1) Asphalt shingles (layer 2)	Black (layer 1) Black/Brown (layer 2)	Good	PLM, non-detect	--	
P10-2	Roof	Roofing paper (layer 1) Asphalt shingles (layer 2)	Black (layer 1) Black/Brown (layer 2)	Good	PLM, non-detect	--	0
P10-3	Roof	Roofing paper (layer 1) Asphalt shingles (layer 2)	Black (layer 1) Black/Brown (layer 2)	Good	PLM, non-detect	--	
P10-4	Around base of chimney	Caulk	Black	Good	PLM, 10%	Non-friable	
P10-5	Around base of chimney	Caulk	Black	Good	NA/PS	Non-friable	22 sq ft
P10-6	Around base of chimney	Caulk	Black	Good	NA/PS	Non-friable	
P10-7	Around exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	
P10-8	Around exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	0
P10-9	Around exterior window and door frames	Caulk	White	Good	PLM, non-detect	--	
P10-10	Garage floor	Mastic	Black	Good	PLM, non-detect	--	
P10-11	Garage floor	Mastic	Black	Good	PLM, non-detect	--	0
P10-12	Garage floor	Mastic	Black	Good	PLM, non-detect	--	
P10-13	Eavestrough seams	Caulk	Brown	Good	PLM, non-detect	--	
P10-14	Eavestrough seams	Caulk	Brown	Good	PLM, non-detect	--	0
P10-15	Eavestrough seams	Caulk	Brown	Good	PLM, non-detect	--	
P10-16	Dining room floor	Mastic (layer 1) Grout (layer 2) Ceramic tile (layer 3)	Black (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, 20% (layer 1) non-detect (layer 2&3)	Non-friable	157 sq ft
P10-17	Dining room floor	Mastic (layer 1) Grout (layer 2) Ceramic tile (layer 3)	Black (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, NA/PS (layer 1) non-detect (layer 2&3)	Non-friable	
P10-18	Dining room floor	Mastic (layer 1) Grout (layer 2) Ceramic tile (layer 3)	Black (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, NA/PS (layer 1) non-detect (layer 2&3)	Non-friable	
P10-19	Front entrance floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Light green/red (layer 2)	Good	PLM, non-detect	--	
P10-20	Front entrance floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Light green/red (layer 2)	Good	PLM, non-detect	--	0
P10-21	Front entrance floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Light green/red (layer 2)	Good	PLM, non-detect	--	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT  
 Name: 335 W. Daphne Road (Parcel 10)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: August 4, 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
P10-22	Bathroom 1 floor (top layer)	Leveling cement (layer 1) Grout (layer 2) 8"x8" Ceramic tile (layer 3)	Gray (layer 1) White (layer 2) Cream (layer 3)	Good	PLM, non-detect	--	0
P10-23	Bathroom 1 floor (top layer)	Leveling cement (layer 1) Grout (layer 2) 8"x8" Ceramic tile (layer 3)	White (layer 1) White (layer 2) Cream (layer 3)	Good	PLM, non-detect	--	0
P10-24	Bathroom 1 floor (top layer)	Leveling cement (layer 1) Grout (layer 2) 8"x8" Ceramic tile (layer 3)	Gray (layer 1) White (layer 2) Cream (layer 3)	Good	PLM, non-detect	--	0
P10-25	Bathroom 1 floor (bottom layer)	Leveling cement (layer 1) Grout (layer 2) 1"x1" Ceramic tile (layer 3)	Gray (layer 1) Gray (layer 2) Gray (layer 3)	Good	PLM, non-detect	--	0
P10-26	Bathroom 1 floor (bottom layer)	Leveling cement (layer 1) Grout (layer 2) 1"x1" Ceramic tile (layer 3)	Gray (layer 1) Gray (layer 2) Gray (layer 3)	Good	PLM, non-detect	--	0
P10-27	Bathroom 1 floor (bottom layer)	Leveling cement (layer 1) Grout (layer 2) 1"x1" Ceramic tile (layer 3)	Gray (layer 1) Gray (layer 2) Gray (layer 3)	Good	PLM, non-detect	--	0
P10-28	Bathroom 1 tub walls	Leveling cement (layer 1) Grout (layer 2) 12"x12" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	0
P10-29	Bathroom 1 tub walls	Leveling cement (layer 1) Grout (layer 2) 12"x12" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	0
P10-30	Bathroom 1 tub walls	Leveling cement (layer 1) Grout (layer 2) 12"x12" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Brown (layer 3)	Good	PLM, non-detect	--	0
P10-31	Bathroom 1 tub wall border	Leveling cement (layer 1) Grout (layer 2) 6"x2" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Light brown (layer 3)	Good	PLM, non-detect	--	0
P10-32	Bathroom 1 tub wall border	Leveling cement (layer 1) Grout (layer 2) 6"x2" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Light brown (layer 3)	Good	PLM, non-detect	--	0
P10-33	Bathroom 1 tub wall border	Leveling cement (layer 1) Grout (layer 2) 6"x2" Ceramic tile (layer 3)	White (layer 1) Red (layer 2) Light brown (layer 3)	Good	PLM, non-detect	--	0

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT  
 Name: 335 W. Daphne Road (Parcel 10)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-21

Project Number: 441231.0000.0000  
 Sample Collection Date: August 4, 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
P10-34	Walls and ceilings throughout house	Drywall with smooth texture	Off-white	Good	PLM, non-detect	--	0
P10-35	Walls and ceilings throughout house	Drywall with smooth texture	Off-white	Good	PLM, non-detect	--	0
P10-36	Walls and ceilings throughout house	Drywall with smooth texture	Off-white	Good	PLM, non-detect	--	0
P10-37	Basement stairs	Carpet	Gray	Good	PLM, non-detect	--	0
P10-38	Basement stairs	Carpet	Gray	Good	PLM, non-detect	--	0
P10-39	Basement stairs	Carpet	Gray	Good	PLM, non-detect	--	0
P10-40	Basement utility room floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P10-41	Basement utility room floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P10-42	Basement utility room floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P10-43	Basement ceiling	18"x18" ceiling tile	White/beige	Good	PLM, non-detect	--	0
P10-44	Basement ceiling	18"x18" ceiling tile	White/beige	Good	PLM, non-detect	--	0
P10-45	Basement ceiling	18"x18" ceiling tile	White/beige	Good	PLM, non-detect	--	0
P10-46	Basement bathroom floor	8"x8" ceramic tile	Black	Good	PLM, non-detect	--	0
P10-47	Basement bathroom floor	8"x8" ceramic tile	Black	Good	PLM, non-detect	--	0
P10-48	Basement bathroom floor	8"x8" ceramic tile	Black	Good	PLM, non-detect	--	0
P10-49	Basement bathroom floor	Adhesive (layer 1) Vinyl mat (layer 2)	Gray (layer 1) Dark gray/white (layer 2)	Good	PLM, non-detect	--	0
P10-50	Basement bathroom floor	Adhesive (layer 1) Vinyl mat (layer 2)	Gray (layer 1) Dark gray/white (layer 2)	Good	PLM, non-detect	--	0
P10-51	Basement bathroom floor	Adhesive (layer 1) Vinyl mat (layer 2)	Gray (layer 1) Dark gray/white (layer 2)	Good	PLM, non-detect	--	0

Notes:

PLM = Polarized Light Microscopy  
 NA/PS = Sample Not Analyzed, positive stop

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

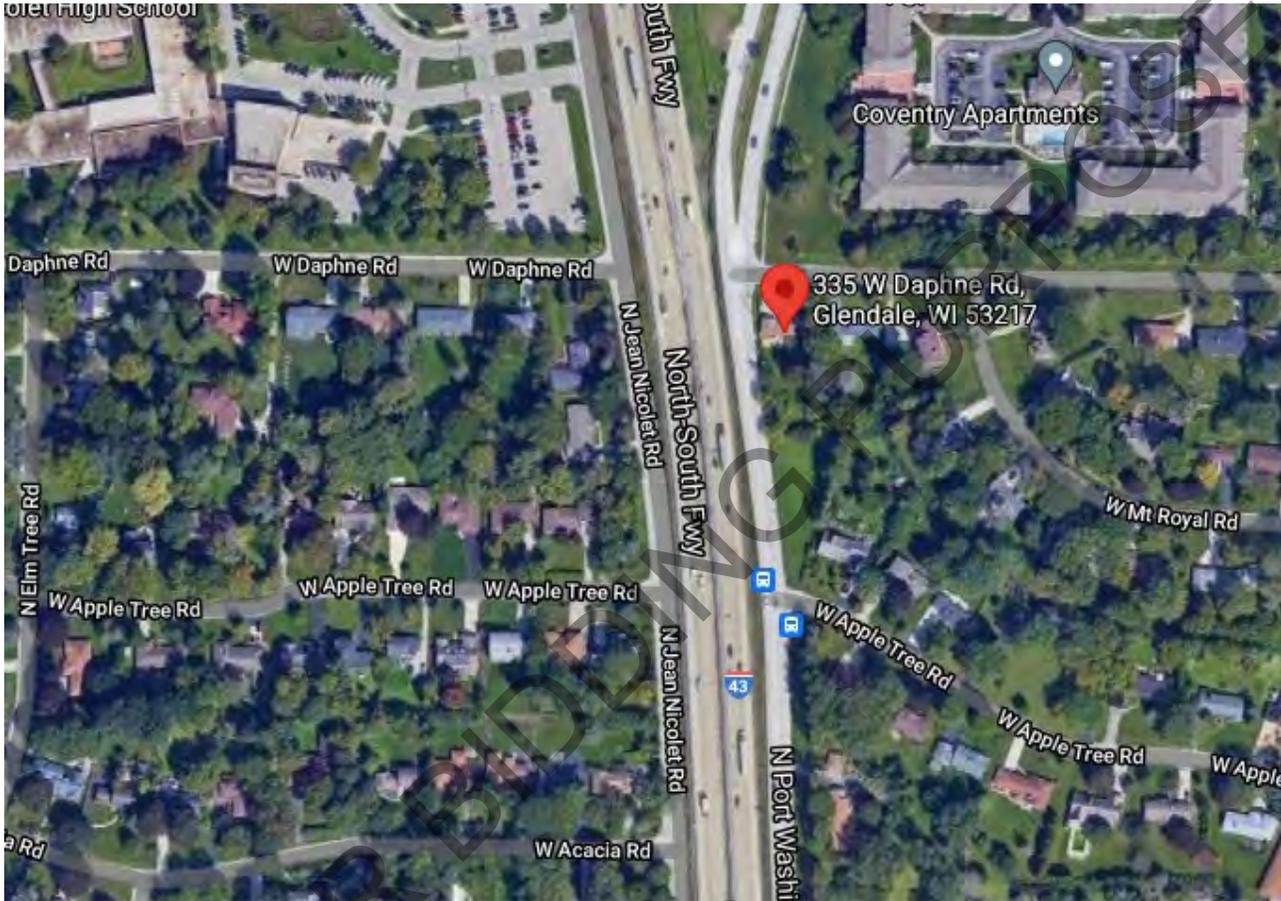
Condition Description:

**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

335 W. DAPHNE ROAD (PARCEL 10), GLENDALE

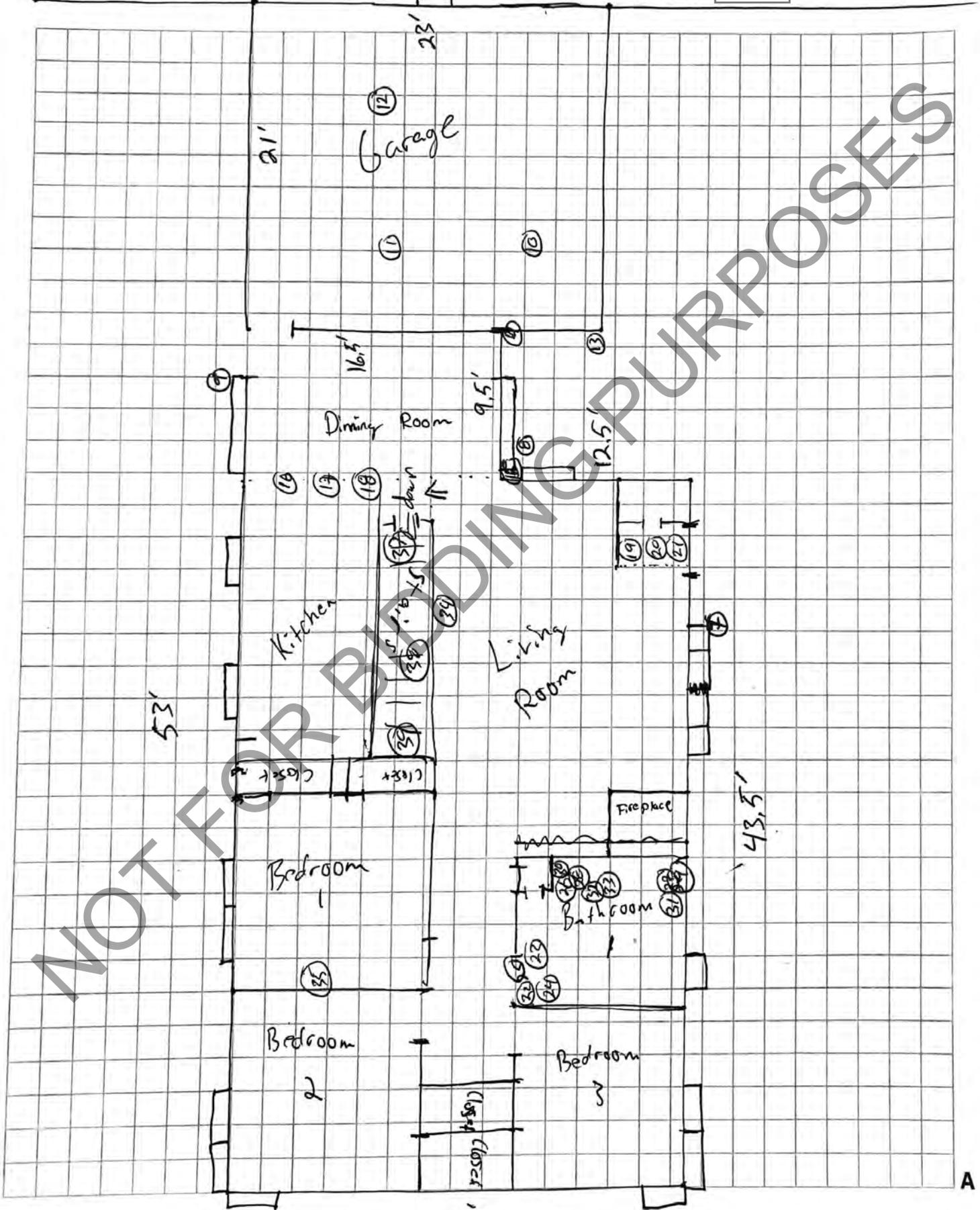


Parcel 10  
335 W. Daphne Rd  
main Floor

SHEET NO. 1 OF 23  
PROJECT NO. 431231.0000.0000  
DATE 8/4/21  
BY ZMR  
CHK'D TWP



SUBJECT

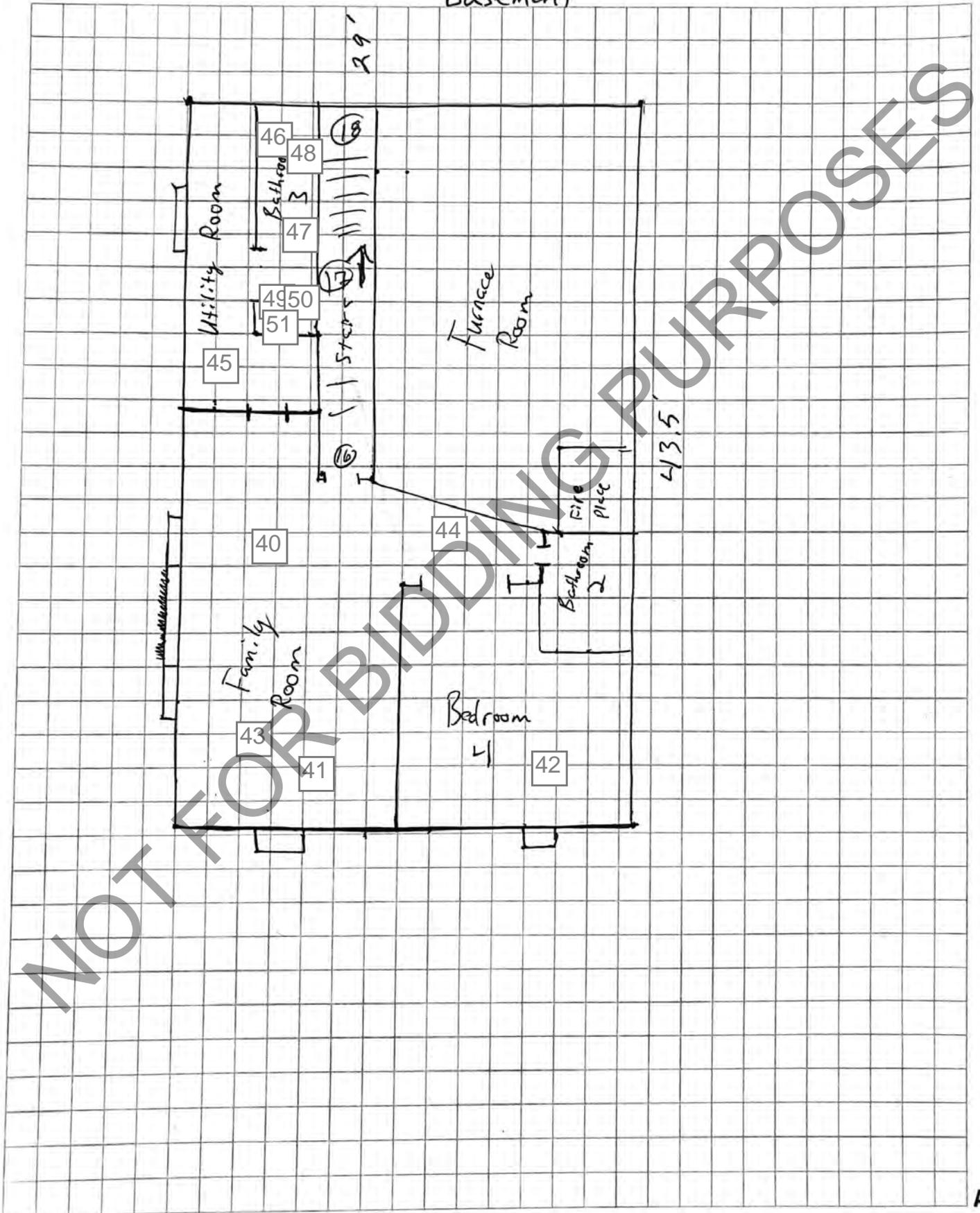


Parcel 10

SHEET NO. 2 OF 23  
PROJECT NO. 431231.0000.0008  
DATE 8/4/21  
BY CAR  
CHK'D TWP



SUBJECT 335 W. Daphne Rd  
Basement



A

Parcel 10

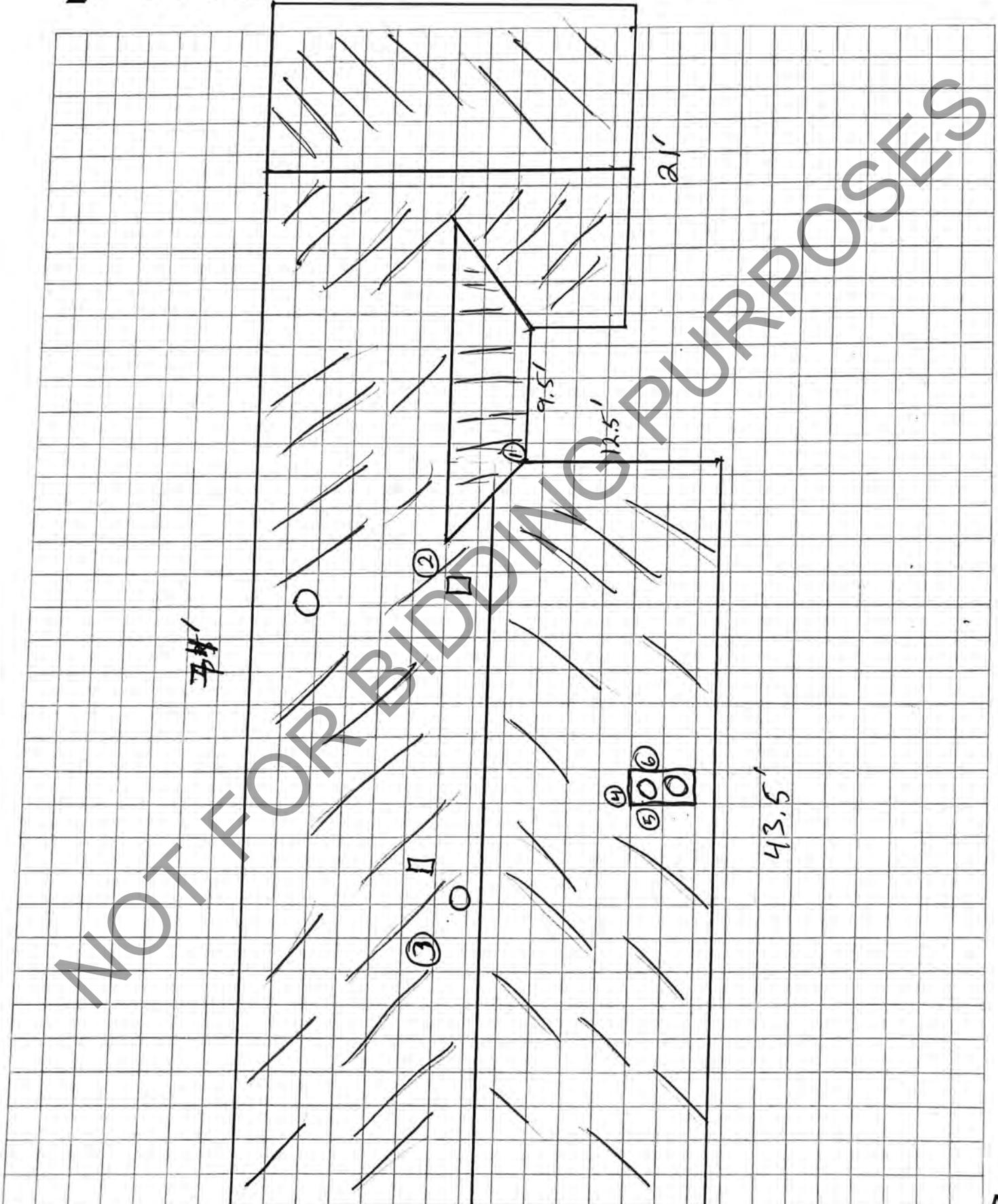
335 W. Daphne Rd

Roof

SHEET NO. 3 OF 3  
 PROJECT NO. 431231.0000.0000  
 DATE 8/4/21  
 BY STR  
 CHK'D TWP



23' SUBJECT



## Appendix A: Photographs

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 1	<b>Date</b> 8/4/2021		
<b>Description</b> Front of house			
<b>Photo No.</b> 2	<b>Date</b> 8/4/2021		
<b>Description</b> Side of house			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 3	<b>Date</b> 8/4/2021		
<b>Description</b> Back of house			
<b>Photo No.</b> 4	<b>Date</b> 8/4/2021		
<b>Description</b> Side of house			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 5	<b>Date</b> 8/4/2021		
<b>Description</b> Roof			
<b>Photo No.</b> 6	<b>Date</b> 8/4/2021		
<b>Description</b> Roof			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 7	<b>Date</b> 8/4/2021		
<b>Description</b> Roofing paper and asphalt shingles on roof  Both non-detect for ACM			
<b>Photo No.</b> 8	<b>Date</b> 8/4/2021		
<b>Description</b> Chimney			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 9	<b>Date</b> 8/4/2021		
<b>Description</b> Black caulk around base of chimney  Contains 10% non-friable ACM			

<b>Photo No.</b> 10	<b>Date</b> 8/4/2021	
<b>Description</b> Front porch		

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 11	<b>Date</b> 8/4/2021		
<b>Description</b> White caulk around exterior window and door frames  Non-detect for ACM			
<b>Photo No.</b> 12	<b>Date</b> 8/4/2021		
<b>Description</b> Inside of garage			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 13	<b>Date</b> 8/4/2021		
<b>Description</b> Black mastic on garage floor  Non-detect for ACM			
<b>Photo No.</b> 14	<b>Date</b> 8/4/2021		
<b>Description</b> Brown caulk on end of eavestrough  Non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 15	<b>Date</b> 8/4/2021		
<b>Description</b> Dining room			
<b>Photo No.</b> 16	<b>Date</b> 8/4/2021		
<b>Description</b> Mastic, grout and ceramic tile on Dining room floor  Black mastic contains 20% non-friable ACM, grout and ceramic tile are non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 17	<b>Date</b> 8/4/2021		
<b>Description</b> Kitchen with Living room and stairs to basement to the left			

<b>Photo No.</b> 18	<b>Date</b> 8/4/2021	
<b>Description</b> Living room		

NOT FOR BIDDING PURPOSES

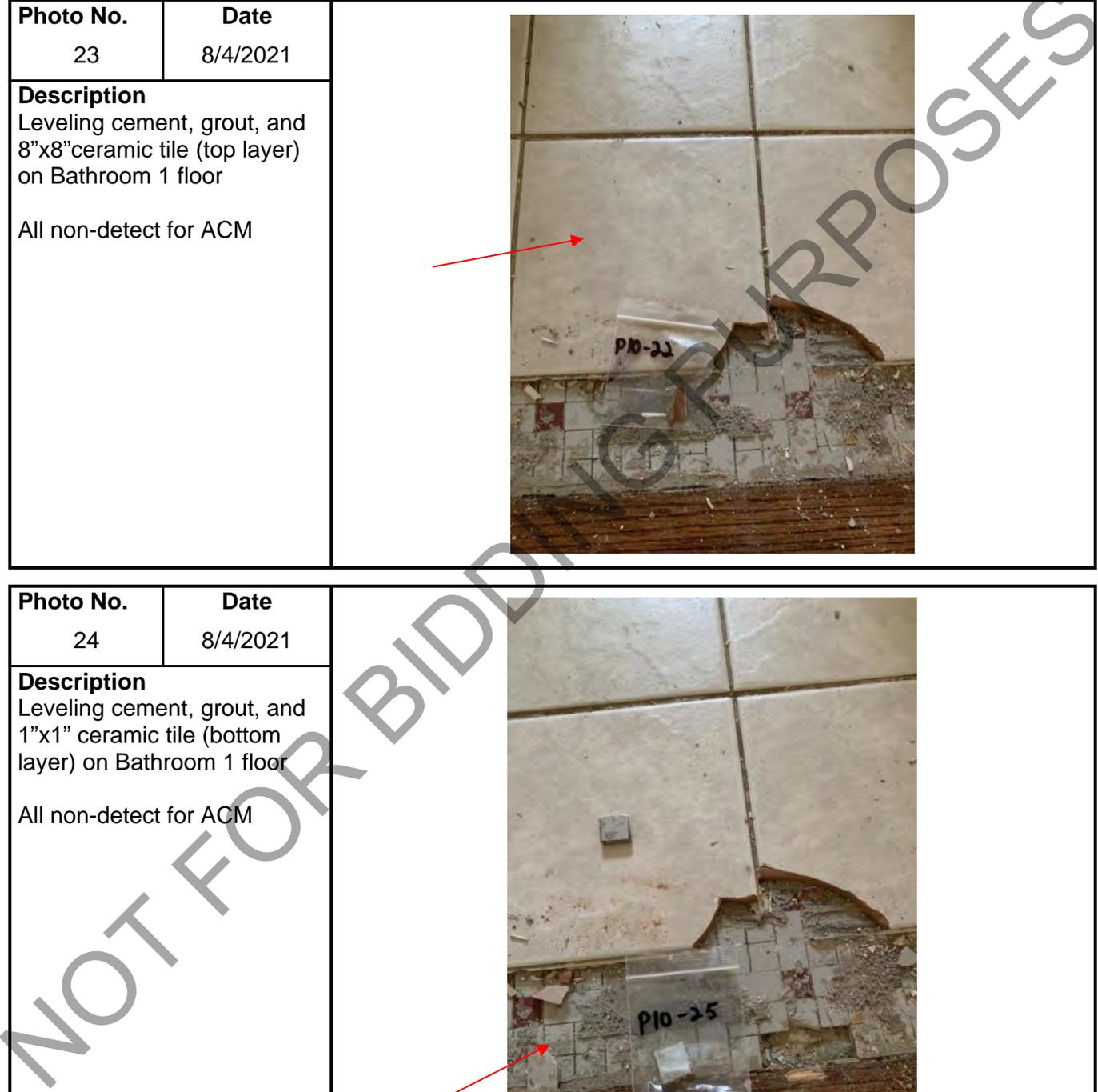
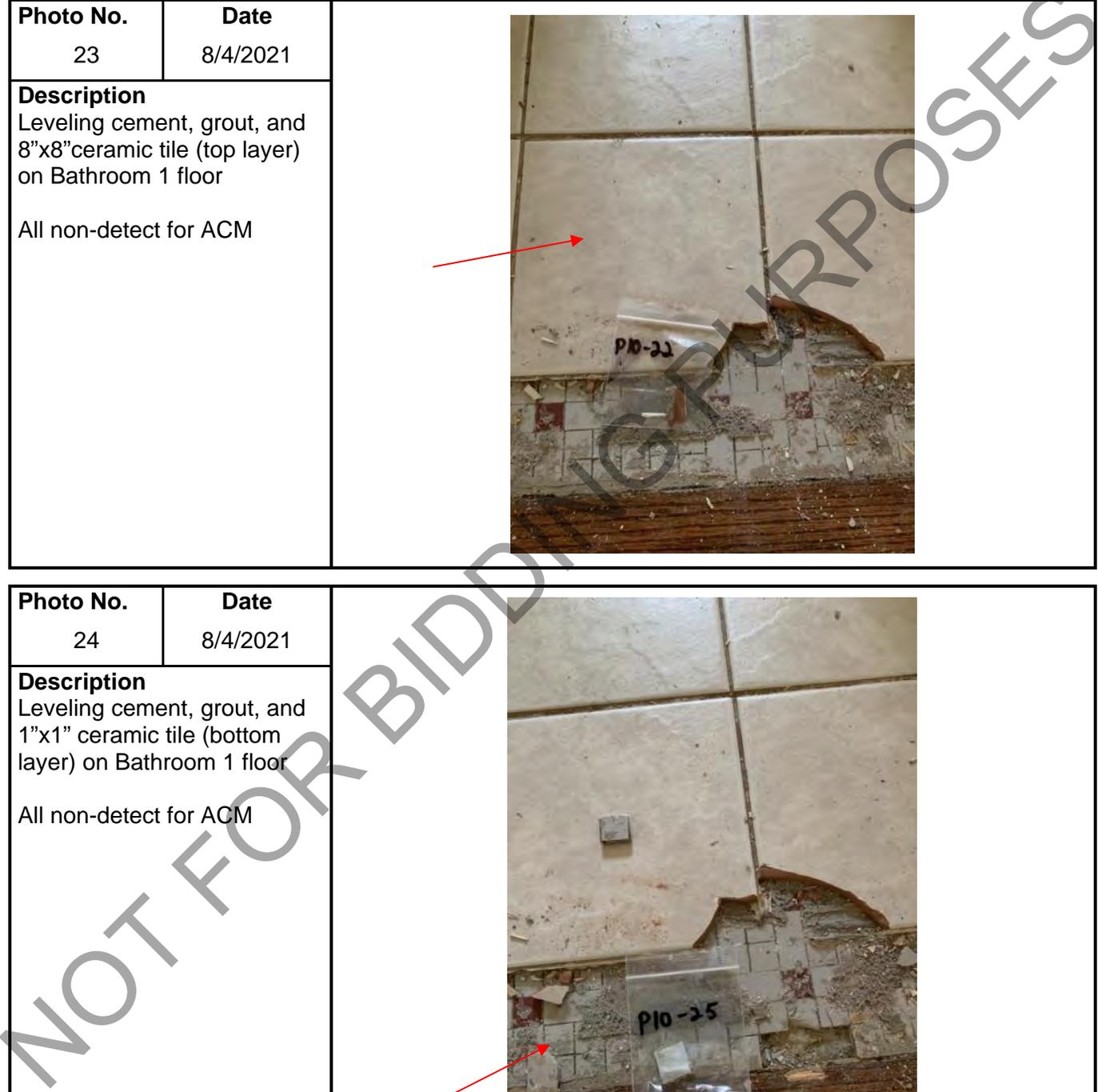
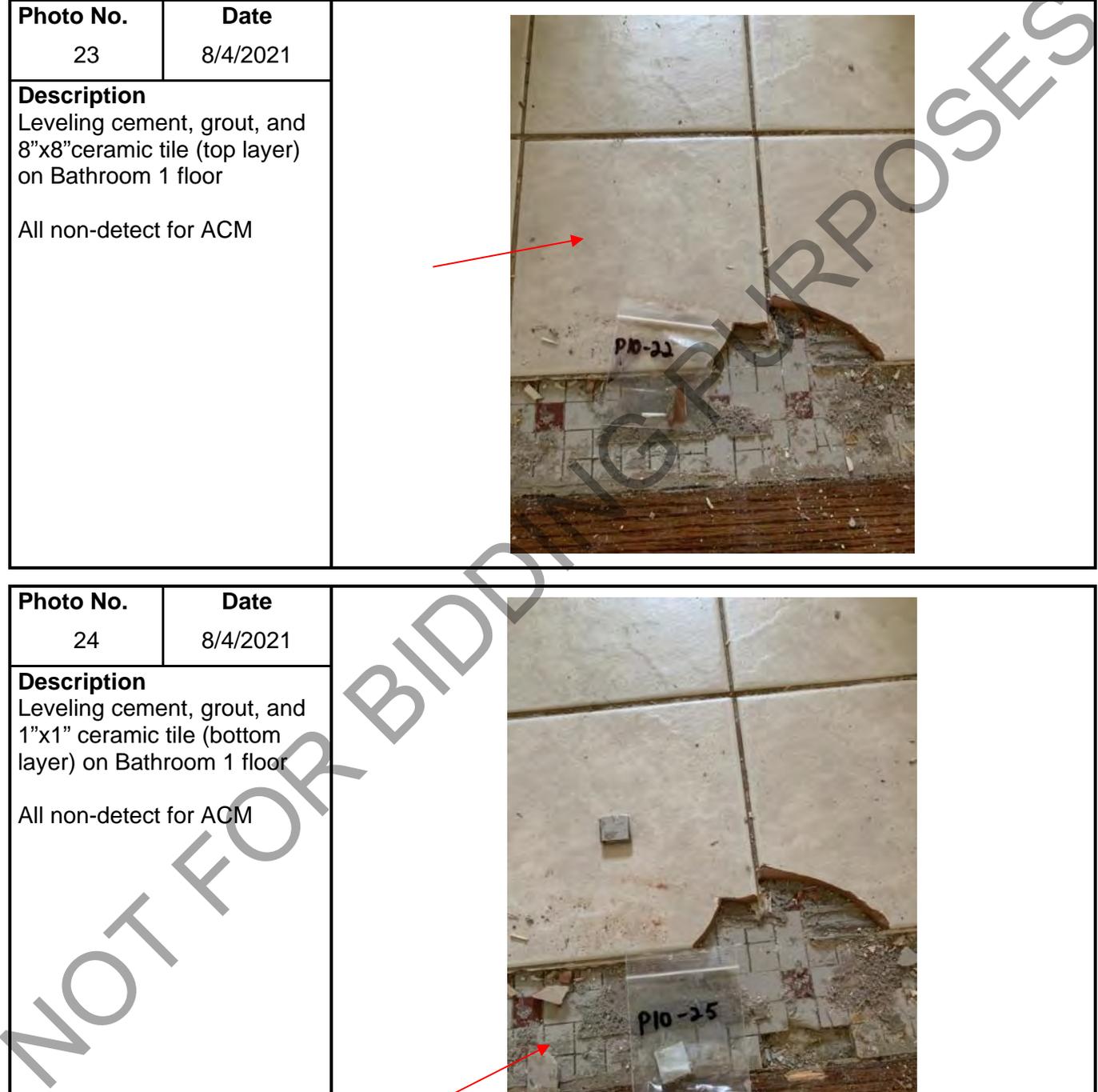
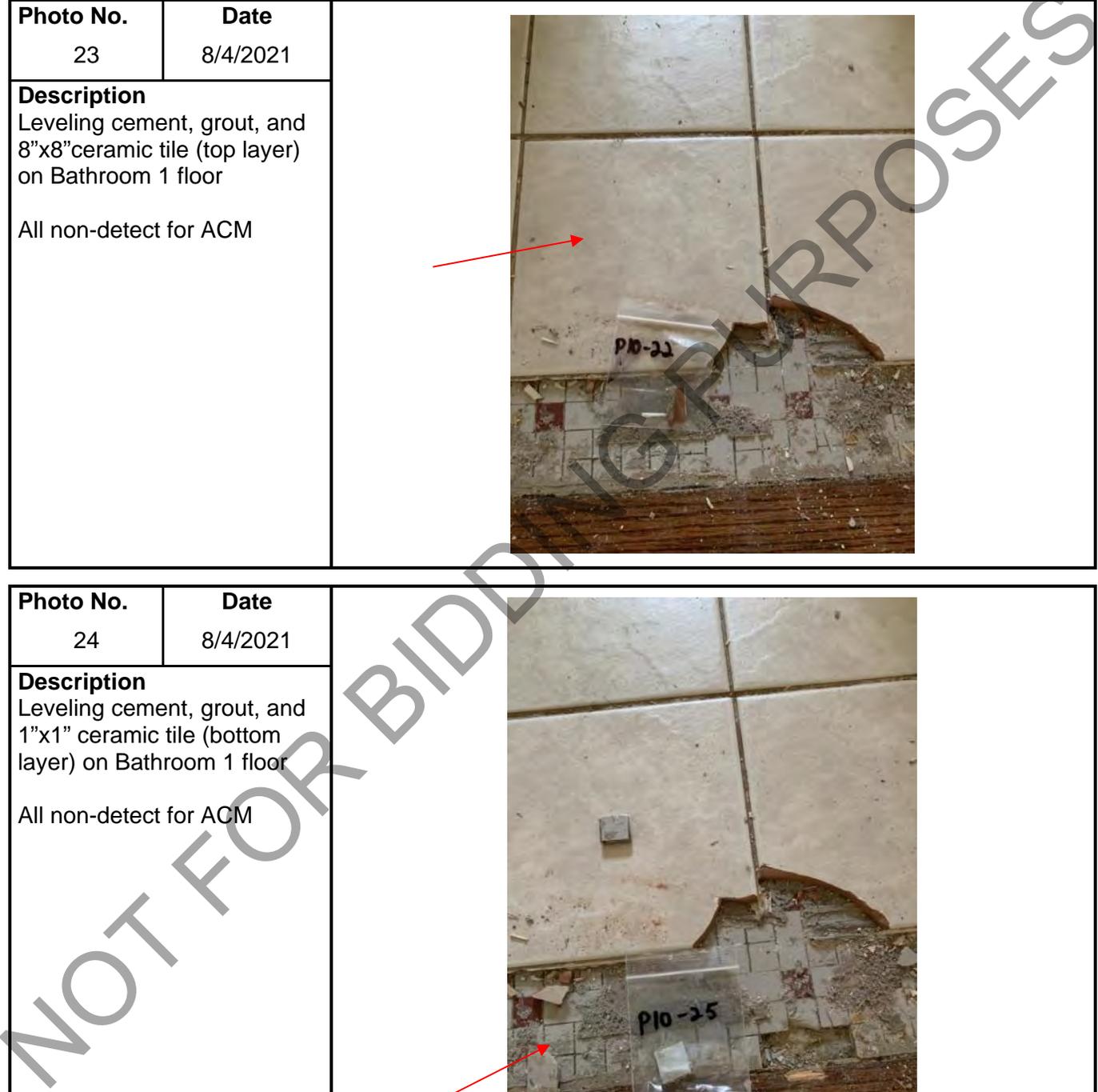
### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 19	<b>Date</b> 8/4/2021		
<b>Description</b> In Living room looking towards the front entryway and Dining room to the far left			
<b>Photo No.</b> 20	<b>Date</b> 8/4/2021		
<b>Description</b> Front entryway			

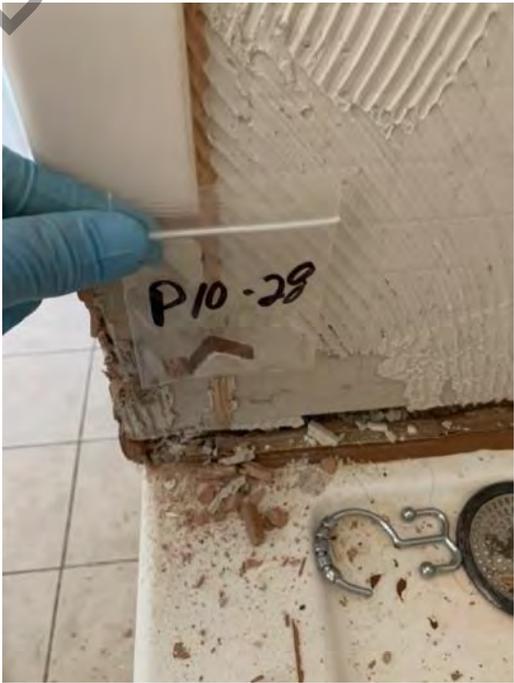
### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 21	<b>Date</b> 8/4/2021		
<b>Description</b> Grout and ceramic tile on front entrance floor  Both non-detect for ACM			
<b>Photo No.</b> 22	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom 1			

### Photographic Log

Client Name:		Site Location:	Project No.:
WisDOT		335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000
Photo No.	Date		
23	8/4/2021		
Description			
Leveling cement, grout, and 8"x8" ceramic tile (top layer) on Bathroom 1 floor  All non-detect for ACM			
Photo No.	Date		
24	8/4/2021		
Description			
Leveling cement, grout, and 1"x1" ceramic tile (bottom layer) on Bathroom 1 floor  All non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 25	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom 1 tub walls			
<b>Photo No.</b> 26	<b>Date</b> 8/4/2021		
<b>Description</b> Leveling cement, grout, and 12"x12" ceramic tile on Bathroom 1 tub wall  All non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 27	<b>Date</b> 8/4/2021		
<b>Description</b> Leveling cement, grout, and 6"x2" ceramic tile on Bathroom 1 tub wall border  All non-detect for ACM			
<b>Photo No.</b> 28	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 1			

### Photographic Log

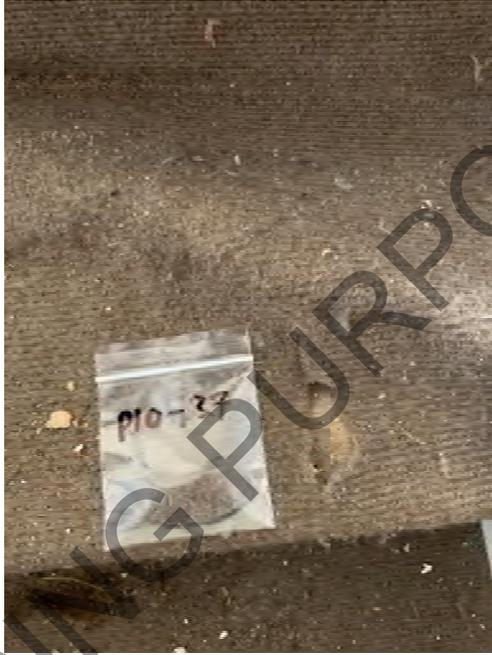
<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 29	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 2			
<b>Photo No.</b> 30	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom 3			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 31	<b>Date</b> 8/4/2021		
<b>Description</b> Drywall on walls and ceilings throughout house  Non-detect for ACM			
<b>Photo No.</b> 32	<b>Date</b> 8/4/2021		
<b>Description</b> Basement stairs			

### Photographic Log

Client Name:		Site Location:	Project No.:
WisDOT		335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000
Photo No.	Date		
33	8/4/2021		
Description			
Carpet on basement stairs  Non-detect for ACM			
Photo No.	Date		
34	8/4/2021		
Description			
Basement			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 35	<b>Date</b> 8/4/2021		
<b>Description</b> 18"x18" drop ceiling tiles in basement  Non-detect for ACM			
<b>Photo No.</b> 36	<b>Date</b> 8/4/2021	<b>Description</b> Basement	

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 37	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

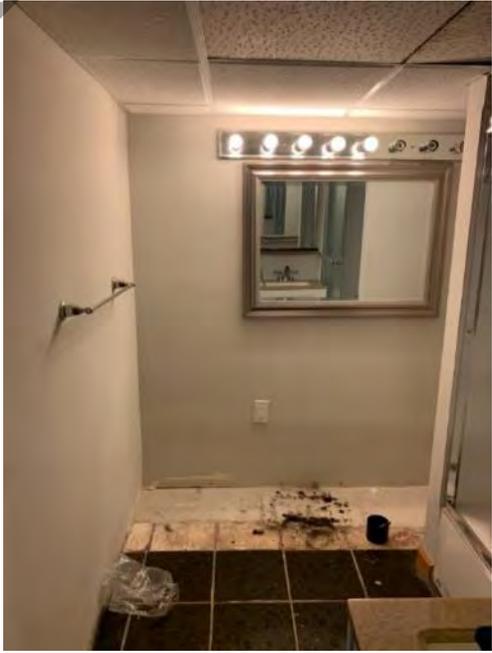
<b>Photo No.</b> 38	<b>Date</b> 8/4/2021	
<b>Description</b> Basement bathroom		

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 39	<b>Date</b> 8/4/2021		
<b>Description</b> Pad and laminate flooring on basement floor  Both non-detect for ACM			
<b>Photo No.</b> 40	<b>Date</b> 8/4/2021		
<b>Description</b> Utility room in basement			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 41	<b>Date</b> 8/4/2021		
<b>Description</b> Basement bathroom (next to utility room)			
<b>Photo No.</b> 42	<b>Date</b> 8/4/2021		
<b>Description</b> Basement bathroom (next to utility room)			

NOT FOR BIDDING PURPOSES

### Photographic Log

Client Name:		Site Location:		Project No.:	
WisDOT		335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County		WisDOT #1229-04-21 TRC# 441231.0000	
Photo No.	Date				
43	8/4/2021				
Description					
Black ceramic tile on basement bathroom floor (next to utility room)  Non-detect for ACM					
Photo No.	Date				
44	8/4/2021				
Description					
Adhesive and vinyl mat on basement bathroom floor (next to utility room)  Both non-detect for ACM					

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 335 W. Daphne Road (Parcel 10), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-21 TRC# 441231.0000
<b>Photo No.</b> 45	<b>Date</b> 8/4/2021		
<b>Description</b> Furnace room in basement			

NOT FOR BIDDING PURPOSES

## Appendix B: Laboratory Analytical Results

NOT FOR BIDDING PURPOSES



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057415  
 Project #: 441231.0000.0000  
 Date Received: 08/09/2021  
 Date Analyzed: 08/11/2021

Site: Parcel 10, 335 W. Daphne 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
P10-1	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P10-1		LAYER 2 Black/Brown asphalt shingle	20% fibrous glass	ND	None
P10-2	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P10-2		LAYER 2 Black/Brown asphalt shingle	20% fibrous glass	ND	None
P10-3	Roof	LAYER 1 Black roofing paper	80% cellulose	ND	None
P10-3		LAYER 2 Black/Brown asphalt shingle	20% fibrous glass	ND	None
P10-4	Chimney	Black caulk	---	10%	Chrysotile
P10-5	Chimney	--	--	NA/PS	--
P10-6	Chimney	--	--	NA/PS	--
P10-7	exterior windows & doors	White caulk	---	ND	None
P10-8	exterior windows & doors	White caulk	---	ND	None
P10-9	exterior windows & doors	White caulk	---	ND	None
P10-10	Garage floor	Black mastic	---	ND	None
P10-11	Garage floor	Black mastic	---	ND	None
P10-12	Garage floor	Black mastic	---	ND	None
P10-13	Eavestrough seams	Brown caulk	---	ND	None
P10-14	Eavestrough seams	Brown caulk	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

ID 1229-04-21 Parcel 10, 335 W. Daphne 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
P10-15	Eavestrough seams	Brown caulk	---	ND	None
P10-16	Dining room	LAYER 1 Black mastic	---	20%	Chrysotile
P10-16		LAYER 2 Red grout	---	ND	None
P10-16		LAYER 3 Brown ceramic tile	---	ND	None
P10-17		--	---	NA/PS	--
P10-17	Dining room	LAYER 2 Red grout	---	ND	None
P10-17		LAYER 3 Brown ceramic tile	---	ND	None
P10-18	Dining room	--	--	NA/PS	--
P10-18		LAYER 2 Red grout	---	ND	None
P10-18		LAYER 3 Brown ceramic tile	---	ND	None
P10-19	Front entrance	LAYER 1 Grey grout	---	ND	None
P10-19		LAYER 2 Light Green/Red ceramic tile	---	ND	None
P10-20	Front entrance	LAYER 1 Grey grout	---	ND	None
P10-20		LAYER 2 Light Green/Red ceramic tile	---	ND	None
P10-21	Front entrance	LAYER 1 Grey grout	---	ND	None
P10-21		LAYER 2 Light Green/Red ceramic tile	---	ND	None
P10-22	Bathroom 1 floor	LAYER 1 Grey leveling cement	---	ND	None
P10-22		LAYER 2 White grout	---	ND	None
P10-22		LAYER 3 Cream ceramic tile	---	ND	None
P10-23	Bathroom 1 floor	LAYER 1 Grey leveling cement	---	ND	None
P10-23		LAYER 2 White grout	---	ND	None
P10-23		LAYER 3 Cream 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



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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P10-24	Bathroom 1 floor	LAYER 1 Grey leveling cement	---	ND	None
P10-24		LAYER 2 White grout	---	ND	None
P10-24		LAYER 3 Cream ceramic tile	---	ND	None
P10-25	Bathroom 1 floor & walls	LAYER 1 Grey leveling cement	---	ND	None
P10-25		LAYER 2 Grey grout	---	ND	None
P10-25		LAYER 3 Grey ceramic tile	---	ND	None
P10-26	Bathroom 1 floor & walls	LAYER 1 Grey leveling cement	---	ND	None
P10-26		LAYER 2 Grey grout	---	ND	None
P10-26		LAYER 3 Grey ceramic tile	---	ND	None
P10-27	Bathroom 1 floor & walls	LAYER 1 Grey leveling cement	---	ND	None
P10-27		LAYER 2 Grey grout	---	ND	None
P10-27		LAYER 3 Grey ceramic tile	---	ND	None
P10-28	Bathroom 1 tub walls	LAYER 1 White leveling cement	---	ND	None
P10-28		LAYER 2 Red grout	---	ND	None
P10-28		LAYER 3 Brown ceramic tile	---	ND	None
P10-29	Bathroom 1 tub walls	LAYER 1 White leveling cement	---	ND	None
P10-29		LAYER 2 Red grout	---	ND	None
P10-29		LAYER 3 Brown ceramic tile	---	ND	None
P10-30	Bathroom 1 tub walls	LAYER 1 White leveling cement	---	ND	None
P10-30		LAYER 2 Red grout	---	ND	None
P10-30		LAYER 3 Brown ceramic tile	---	ND	None
P10-31	Bathroom 1 tub boarder	LAYER 1 White leveling cement	---	ND	None
P10-31		LAYER 2 Red grout	---	ND	None
P10-31		LAYER 3 Light Brown ceramic tile	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

ID 1229-04-21 Parcel 10, 335 W. Daphne 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
P10-32	Bathroom 1 tub boarder	LAYER 1 White leveling cement	---	ND	None
P10-32		LAYER 2 Red grout	---	ND	None
P10-32		LAYER 3 Light Brown ceramic tile	---	ND	None
P10-33	Bathroom 1 tub boarder	LAYER 1 White leveling cement	---	ND	None
P10-33		LAYER 2 Red grout	---	ND	None
P10-33		LAYER 3 Light Brown ceramic tile	---	ND	None
P10-34	Walls & ceiling throughout house	Off White smooth texture drywall	2% cellulose	ND	None
P10-35	Walls & ceiling throughout house	Off White smooth texture drywall	2% cellulose	ND	None
P10-36	Walls & ceiling throughout house	Off White smooth texture drywall	2% cellulose	ND	None
P10-37	Stair to the basement	Grey carpet	99% synthetic fiber	ND	None
P10-38	Stair to the basement	Grey carpet	99% synthetic fiber	ND	None
P10-39	Stair to the basement	Grey carpet	99% synthetic fiber	ND	None
P10-40	Basement floor	LAYER 1 Black pad	---	ND	None
P10-40		LAYER 2 Brown laminate flooring	---	ND	None
P10-41	Basement floor	LAYER 1 Black pad	---	ND	None
P10-41		LAYER 2 Brown laminate flooring	---	ND	None
P10-42	Basement floor	LAYER 1 Black pad	---	ND	None
P10-42		LAYER 2 Brown laminate flooring	---	ND	None
P10-43	Basement ceiling	White/Beige 18"x18" drop ceiling tile	60% cellulose 20% mineral wool	ND	None
P10-44	Basement ceiling	White/Beige 18"x18" drop ceiling tile	60% cellulose 20% mineral wool	ND	None
P10-45	Basement ceiling	White/Beige 18"x18" drop ceiling tile	60% cellulose 20% mineral wool	ND	None
P10-46	Basement floor- bathroom	Black 8"x8" ceramic tile	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
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 CO# AL-15020 PHIL# 461 PA#68-03387

ID 1229-04-21 Parcel 10, 335 W. Daphne 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
P10-47	Basement floor- bathroom	Black 8"x8" ceramic tile	---	ND	None
P10-48	Basement floor- bathroom	Black 8"x8" ceramic tile	---	ND	None
P10-49	Basement floor- bathroom	LAYER 1 Grey adhesive	---	ND	None
P10-49		LAYER 2 Dark Grey/White vinyl mat	---	ND	None
P10-50	Basement floor- bathroom	LAYER 1 Grey adhesive	---	ND	None
P10-50		LAYER 2 Dark Grey/White vinyl mat	---	ND	None
P10-51	Basement floor- bathroom	LAYER 1 Grey adhesive	---	ND	None
P10-51		LAYER 2 Dark Grey/White vinyl mat	---	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 **Date Issued**  
 Kathleen Williamson, Laboratory Manager Joel Corso, Approved Signatory 08/11/2021

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
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 CO# AL-15020 PHIL# 461 PA#68-03387

ID 1229-04-21 Parcel 10, 335 W. Daphne Road, Glendale, WI



## Exhibits

ID 1229-04-23 #55

Removal, Grading, Backfill

Site Diagram

Photos

\*Taken from appraisal done by CORRE

Location Map

Asbestos Inspection and Abatement Report

**REMOVE:** 512 SF concrete block shed. 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

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**SUBJECT PROPERTY AERIAL PHOTO**



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**PHOTOGRAPHS OF SUBJECT PROPERTY, *CONTINUED***

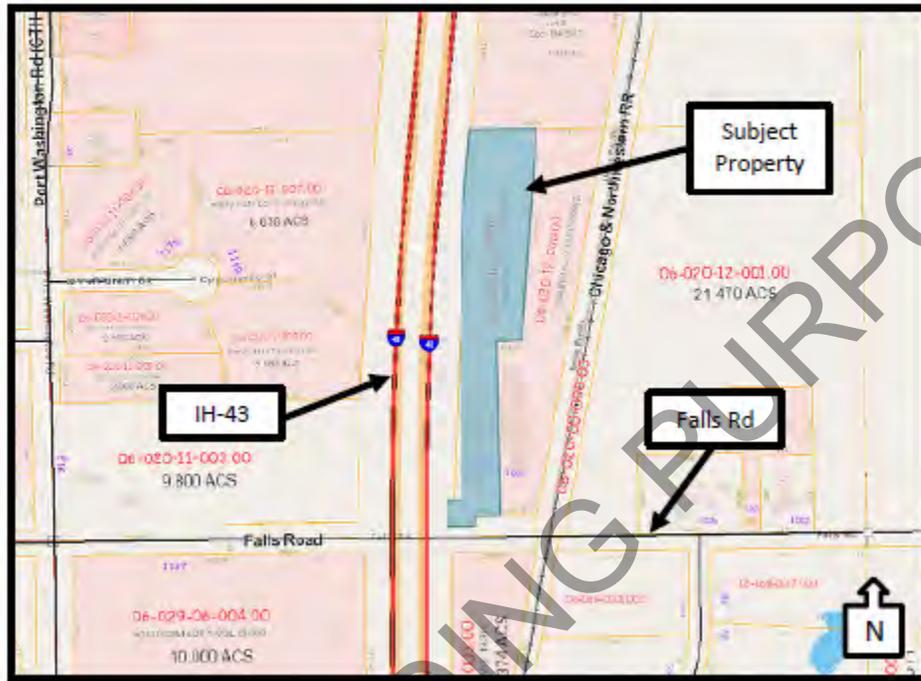


**LOOKING NORTHWEST AT SHED IN FEE ACQUISITION**



**NORTH SIDE OF SHED TO BE ACQUIRED**

### SUBJECT PROPERTY LOCATION MAP



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# Asbestos-Containing Material and Pre-Demolition Reconnaissance

1100 Falls Road (Parcel 55), Grafton,  
Ozaukee County, Wisconsin

August 2021

WisDOT Project #1229-04-23

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC

708 Heartland Trail, Suite 3000  
Madison, Wisconsin 53717

Tom Perkins  
WDHFS Asbestos Inspector, All-252595

John Roelke  
WDHFS Asbestos Inspector, All-119523

Daniel Haak, P.E.  
Project Manager

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<b>2.0 ACM DELINEATION.....</b>	<b>1</b>
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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 1100 Falls Road (Parcel 55) in Grafton, Ozaukee County, Wisconsin. The property contains a small building 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 660 sq ft of gray cement fiberboard on the interior walls
- Approximately 700 sq ft of black tar on the roof

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

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## 1.0 Background

### 1.1 Introduction

The WisDOT has acquired the property at 1100 Falls Road (Parcel 55) in Grafton, Ozaukee County, Wisconsin. The property contains a small building 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 August 4, 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 August 4, 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 #AII-252595, and 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 6 samples were collected during the August sampling event and analyzed for the presence of ACM. Materials sampled included: cement fiberboard and tar. 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 660 sq ft of gray cement fiberboard on the interior walls
- Approximately 700 sq ft of black tar on the roof

## 3.0 ACM Abatement

### 3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 660 sq ft of gray cement fiberboard on the interior walls
- Approximately 700 sq ft of black tar on the 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 I non-friable ACM is present:

- Approximately 660 sq ft of gray cement fiberboard on the interior walls
- Approximately 700 sq ft of black tar on the roof

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: 1100 Falls Rd (Parcel 55)  
 Location: Grafton, Ozaukee County  
 Project ID: 1229-04-23

Project Number: 441231.0000.0000  
 Sample Collection Date: August 4, 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
P55-1	Interior wall	Cement fiberboard	Gray	Good	PLM, 20%	Non-friable	660 sq ft
P55-2	Interior wall	Cement fiberboard	Gray	Good	NA/PS	Non-friable	
P55-3	Interior wall	Cement fiberboard	Gray	Good	NA/PS	Non-friable	
P55-4	Roof	Tar	Black	Good	PLM, 20%	Non-friable	700 sq ft
P55-5	Roof	Tar	Black	Good	NA/PS	Non-friable	
P55-6	Roof	Tar	Black	Good	NA/PS	Non-friable	

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:

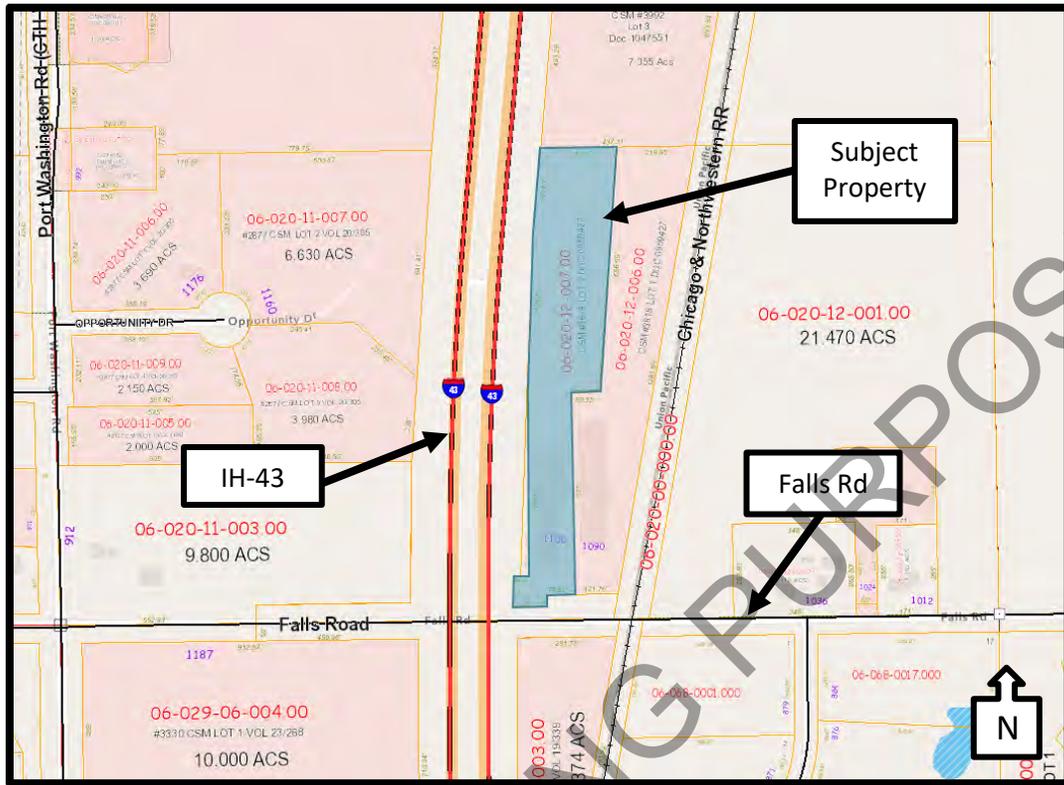
**Good:** The material shows no visible damage or deterioration, or shows only limited damage or deterioration.

**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

### SUBJECT PROPERTY LOCATION MAP



### SUBJECT PROPERTY AERIAL PHOTO



SHEET NO. 1 OF 2  
PROJECT NO. 441231  
DATE 8/4/2021  
BY Jup  
CHK'D \_\_\_\_\_



SUBJECT Parcel 55  
-Extour

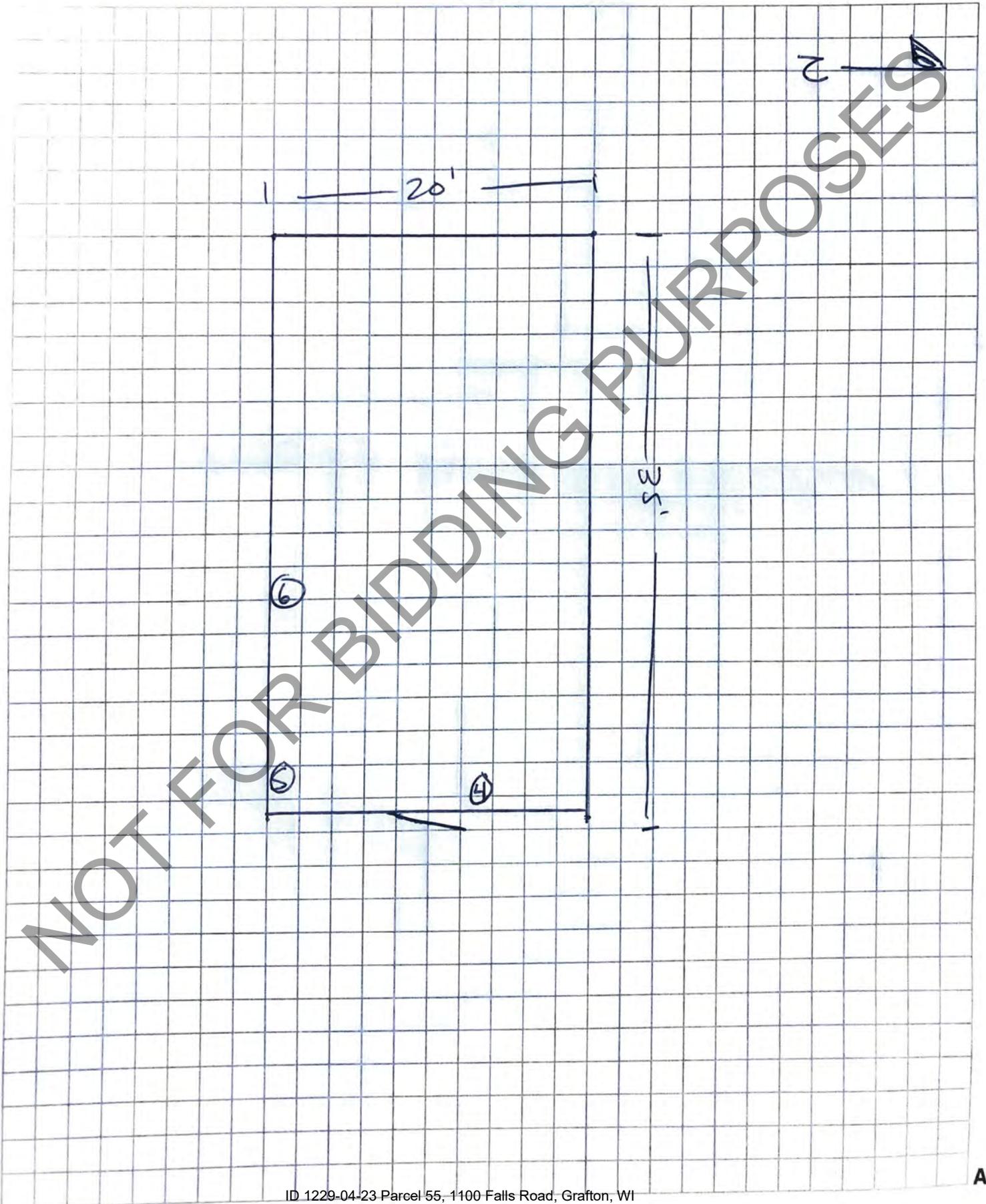
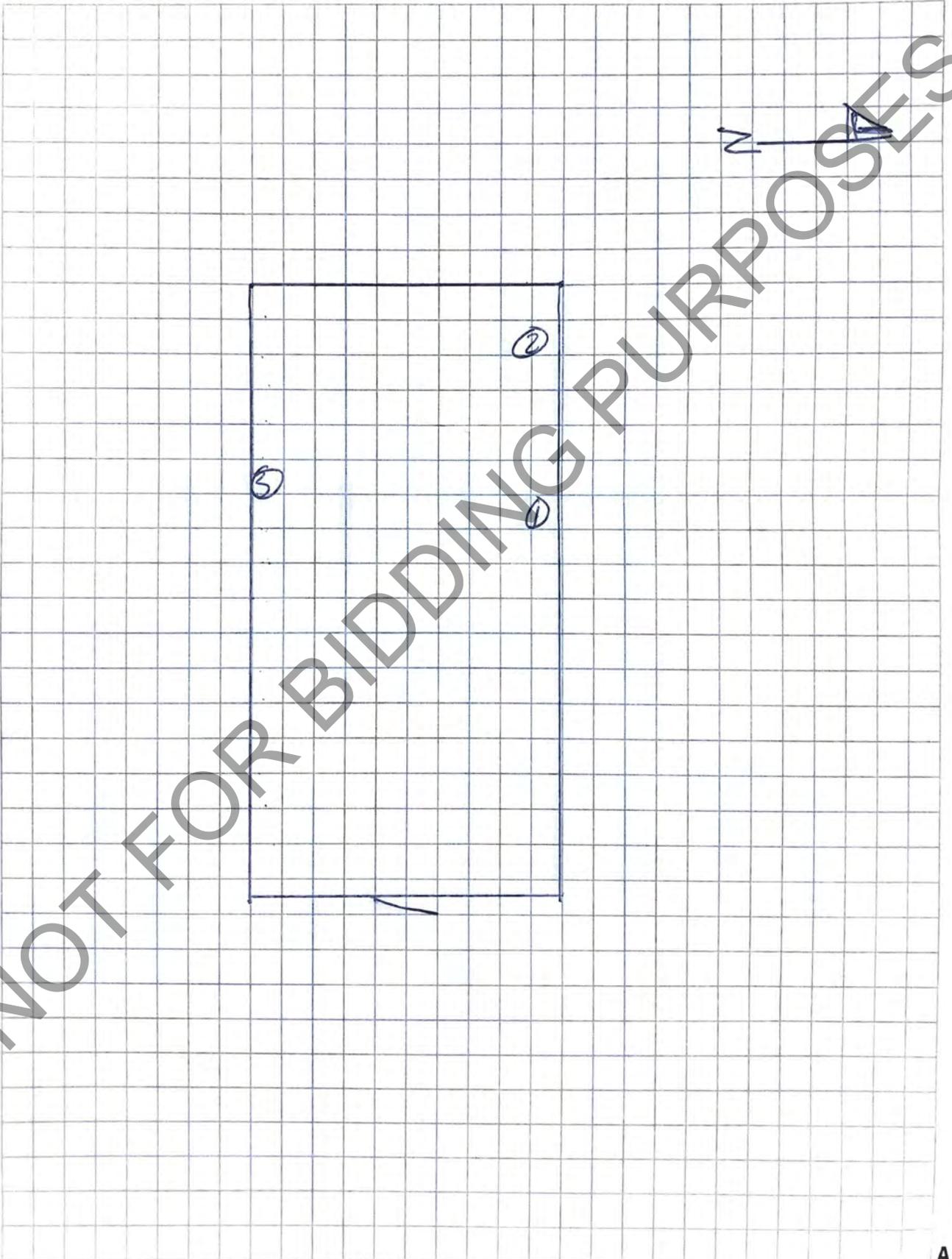


FIGURE 2



SHEET NO. 2 OF 2  
PROJECT NO. 441231  
DATE 8/4/2021  
BY typ  
CHK'D \_\_\_\_\_

SUBJECT Parcel 55 -  
Interior



## Appendix A: Photographs

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 1100 Falls Road (Parcel 55), Grafton, Ozaukee County	<b>Project No.:</b> WisDOT #1229-04-23 TRC# 441231.0000
<b>Photo No.</b> 1	<b>Date</b> 8/4/2021		
<b>Description</b> Front of building			
<b>Photo No.</b> 2	<b>Date</b> 8/4/2021		
<b>Description</b> Side of building			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 1100 Falls Road (Parcel 55), Grafton, Ozaukee County	<b>Project No.:</b> WisDOT #1229-04-23 TRC# 441231.0000
<b>Photo No.</b> 3	<b>Date</b> 8/4/2021		
<b>Description</b> Interior of building, looking to the back			
<b>Photo No.</b> 4	<b>Date</b> 8/4/2021		
<b>Description</b> Interior of building, looking to the front			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 1100 Falls Road (Parcel 55), Grafton, Ozaukee County	<b>Project No.:</b> WisDOT #1229-04-23 TRC# 441231.0000
<b>Photo No.</b> 5	<b>Date</b> 8/4/2021		
<b>Description</b> Ceiling of building			
<b>Photo No.</b> 6	<b>Date</b> 8/4/2021		
<b>Description</b> Interior wall of building			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 1100 Falls Road (Parcel 55), Grafton, Ozaukee County	<b>Project No.:</b> WisDOT #1229-04-23 TRC# 441231.0000
<b>Photo No.</b> 7	<b>Date</b> 8/4/2021		
<b>Description</b> Looking behind fiberboard on interior wall  Fiberboard contains 20% non-friable ACM			
<b>Photo No.</b> 8	<b>Date</b> 8/4/2021		
<b>Description</b> Roof of building  Black tar contains 20% non-friable ACM			

**Appendix B: Laboratory Analytical Results**

NOT FOR BIDDING PURPOSES



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057416  
 Project #: 441231.0000.0000  
 Date Received: 08/09/2021  
 Date Analyzed: 08/09/2021

Site: Parcel 55, 110 Falls 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
P55-1	Interior walls	Grey cement fiber board	---	20%	Chrysotile
P55-2	Interior walls	--	--	NA/PS	--
P55-3	Interior walls	--	--	NA/PS	--
P55-4	Roof	Black tar	20% cellulose	20%	Chrysotile
P55-5	Roof	--	--	NA/PS	--
P55-6	Roof	--	--	NA/PS	--

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 Date Issued: 08/10/2021  
 Kathleen Williamson, Laboratory Manager Joel Corso, Approved Signatory

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 ID 1229-04-23 Parcel 55, 110 Falls Road, Grafton, WI



## Exhibits

ID 1229-04-24 #3

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 1,396 SF single family home with two car attached garage. Access walks, curbs, steps, and concrete 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

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SUBJECT AERIAL



 Property Boundary

ID 1229-04-24 Parcel 3, 321 W. Brentwood Lane, Glendale, WI

**PHOTOS OF THE SUBJECT**



1.) Front elevation facing south



2.) Front elevation facing southwest



3.) East elevation



4.) West elevation

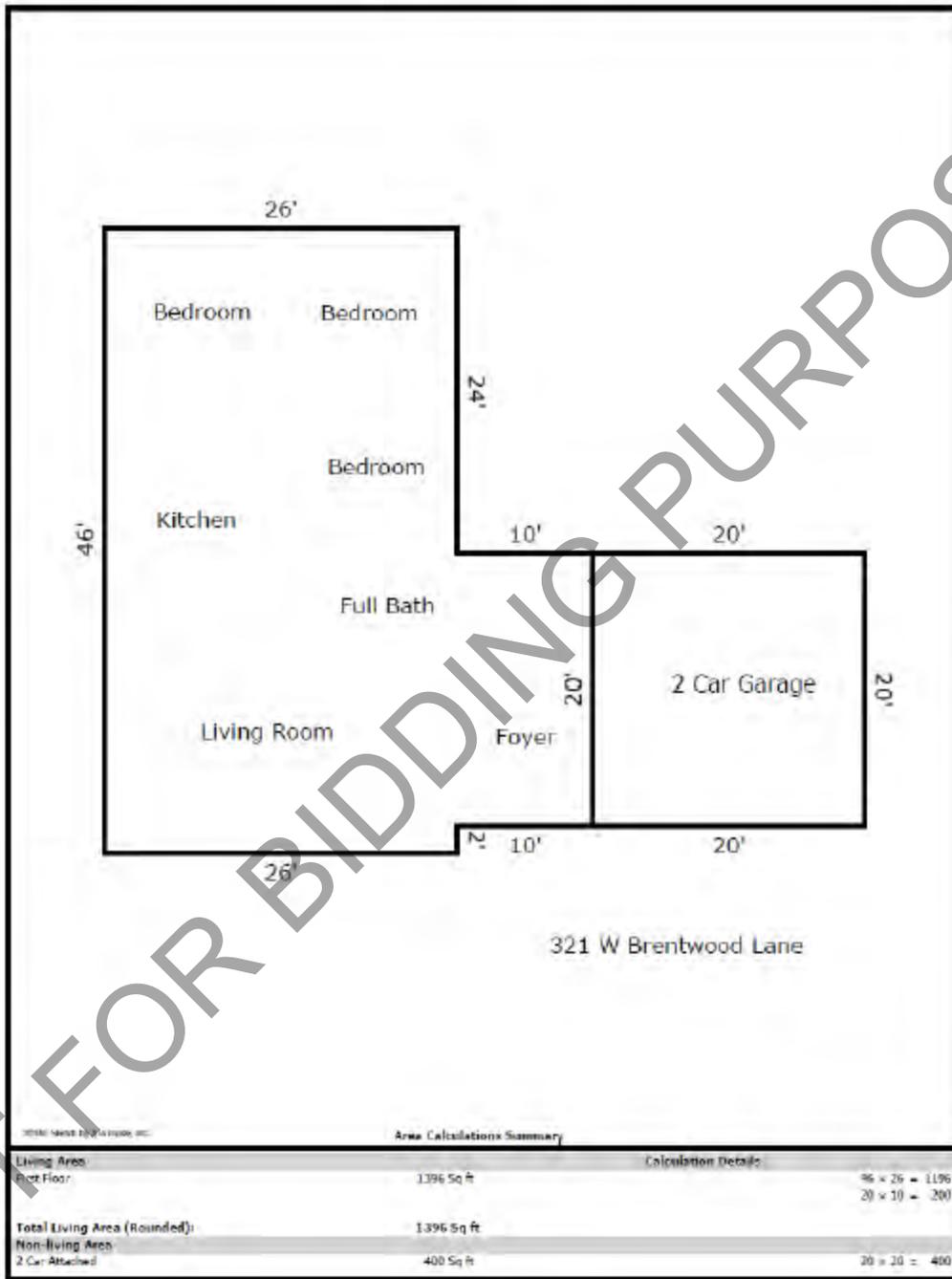


6.) Patio and rear elevation of garage



8.) Rear elevation facing northeast

**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.

<b>Year built:</b>	1965
<b>Number of stories:</b>	Split-level
<b>Above grade square feet:</b>	1,396 square feet (based on appraiser's measurements)
<b>Bedrooms (above grade):</b>	3
<b>Baths (above grade):</b>	1 full
<b>Below grade square feet:</b>	1,170 square feet
<b>Below grade finished area:</b>	950+/- square feet with full bath
<b>Building frame:</b>	Wood
<b>Roof type:</b>	Asphalt shingle
<b>Exterior:</b>	Wood and brick
<b>Heating:</b>	Forced air gas furnace
<b>Cooling:</b>	Central air
<b>Garage:</b>	Attached 2-car
<b>Fuel type:</b>	Natural gas
<b>Electrical:</b>	200-amp service
<b>Hot water heater</b>	50-gallon
<b>Porch/deck/patios:</b>	Concrete patio
<b>Driveway:</b>	Concrete
<b>Landscaping:</b>	Good with perimeter fencing
<b>Condition:</b>	The interior of the property was fully gutted and renovated starting in 2013. Renovations included new windows, HVAC, and electrical. The subject has several minor unfinished renovations including missing kitchen countertops, missing bathroom fixtures and flooring, and an elevated exterior door off the kitchen that has no landing. 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 \$7,500 based on the appraiser's inspection. 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.
<b>Quality of Construction:</b>	Average quality interior and exterior finishes

INTERIOR PHOTOS



1.) Kitchen



2.) Upper living area



3.) Upper living area to foyer



4.) Typical bedroom



5.) Lower living area



6.) Lower bathroom and hallway

**LOCATION MAP**

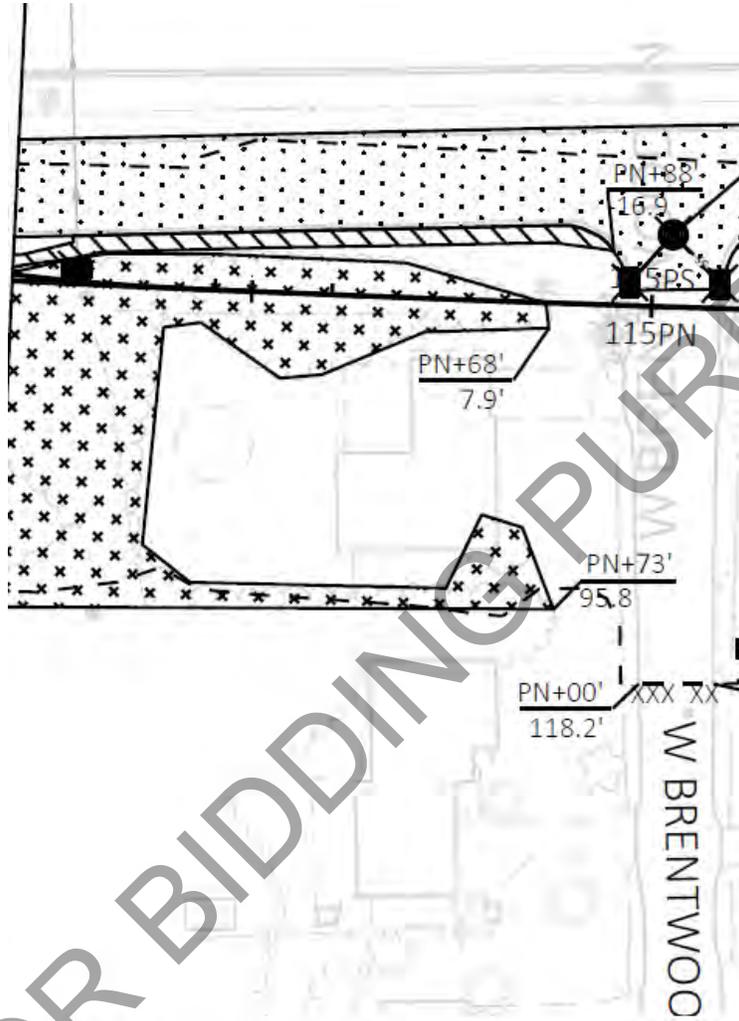


July 21, 2020

ID 1229-04-24 Parcel 3, 321 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\*



**LEGEND**

— SS —	REMOVING STORM SEWER
▣	REMOVING INLET
●	REMOVING MANHOLE
▣ X X X X	CLEARING AND GRUBBING



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](mailto:Inspections@glendale-wi.org).



# Asbestos-Containing Material and Pre-Demolition Reconnaissance

321 W. Brentwood Lane (Parcel 3)  
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" followed by a small monogram "JR".

John Roelke  
WDHFS Asbestos Inspector, All-119523

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

Daniel Haak, P.E.  
Project Manager

NOT FOR BIDDING PURPOSES

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### 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 321 W. Brentwood Lane (Parcel 3) 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 600 sq ft of black mastic on floor in bathroom 2 and under laminate flooring in basement

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

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## 1.0 Background

### 1.1 Introduction

The WisDOT has acquired the property at 321 W. Brentwood Lane (Parcel 3) 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 21 samples were collected during the July sampling event and analyzed for the presence of ACM. Materials sampled included: roofing paper, shingles, caulk, mastic, laminate flooring with pad, 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.

The following Category I non-friable ACM is present:

- Approximately 600 sq ft of black mastic on floor in bathroom 2 and under laminate flooring in basement

## 3.0 ACM Abatement

### 3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 600 sq ft of black mastic on floor in bathroom 2 and under laminate flooring in basement

### 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 600 sq ft of black mastic on floor in bathroom 2 and under laminate flooring in basement

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: 321 W. Brentwood Lane (Parcel 3)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-24

Project Number: 441233.0000.0000  
 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
P3-1	Roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/brown/tan (layer 2)	Good	PLM, non-detect both layers	--	
P3-2	Roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/brown/tan (layer 2)	Good	PLM, non-detect both layers	--	0
P3-3	Roof	Roofing paper (layer 1) Shingle (layer 2)	Black (layer 1) Black/brown/tan (layer 2)	Good	PLM, non-detect both layers	--	
P3-4	Chimney flue	Caulk	White	Good	PLM, non-detect	--	
P3-5	Chimney flue	Caulk	White	Good	PLM, non-detect	--	0
P3-6	Chimney flue	Caulk	White	Good	PLM, non-detect	--	
P3-7	Around base of chimney	Caulk	Brown	Good	PLM, non-detect	--	
P3-8	Around base of chimney	Caulk	Brown	Good	PLM, non-detect	--	0
P3-9	Around base of chimney	Caulk	Brown	Good	PLM, non-detect	--	
P3-10	Around exterior window & door frames	Caulk	White	Good	PLM, non-detect	--	
P3-11	Around exterior window & door frames	Caulk	White	Good	PLM, non-detect	--	0
P3-12	Around exterior window & door frames	Caulk	White	Good	PLM, non-detect	--	
P3-13	Bathroom 2 floor and basement floor under laminate flooring	Mastic	Black	Good	PLM, 10%	Non-friable	
P3-14	Bathroom 2 floor and basement floor under laminate flooring	Mastic	Black	Good	NA/PS	Non-friable	600 sq ft
P3-15	Bathroom 2 floor and basement floor under laminate flooring	Mastic	Black	Good	NA/PS	Non-friable	
P3-16	Basement floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	
P3-17	Basement floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	0
P3-18	Basement floor	Pad (layer 1) Laminate flooring (layer 2)	Black (layer 1) Brown (layer 2)	Good	PLM, non-detect	--	

**Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results**

Client: WisDOT  
 Name: 321 W. Brentwood Lane (Parcel 3)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-24

Project Number: 441233.0000.0000  
 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
P3-19	Walls & ceilings throughout house & basement	Texture (layer 1) Drywall (layer 2)	White (layer 1) Off white (layer 2)	Good	PLM, non-detect	--	0
P3-20	Walls & ceilings throughout house & basement	Texture (layer 1) Drywall (layer 2)	White (layer 1) Off white (layer 2)	Good	PLM, non-detect	--	0
P3-21	Walls & ceilings throughout house & basement	Texture (layer 1) Drywall (layer 2)	White (layer 1) Off white (layer 2)	Good	PLM, non-detect	--	0

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

321 W. BRENTWOOD LANE (PARCEL 3), GLENDALE

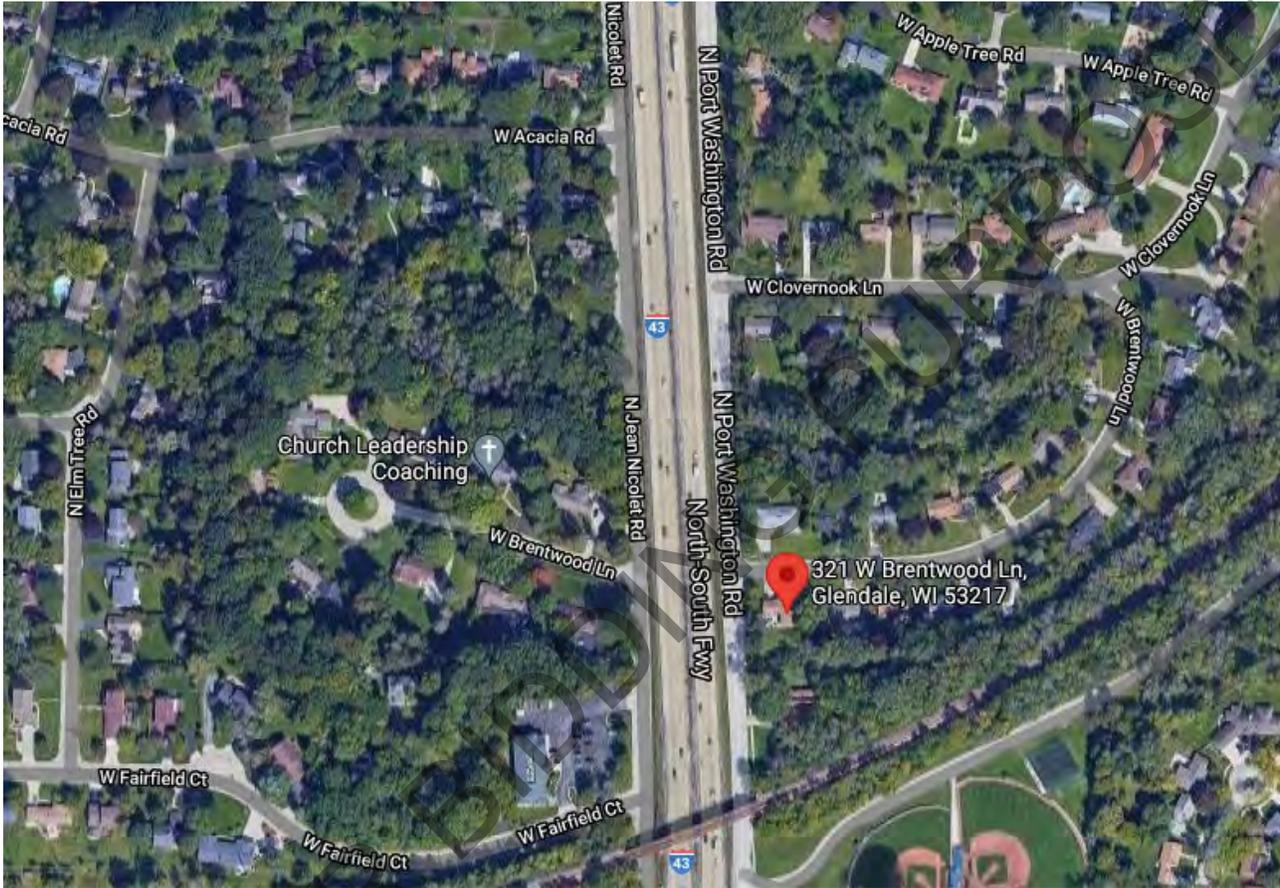


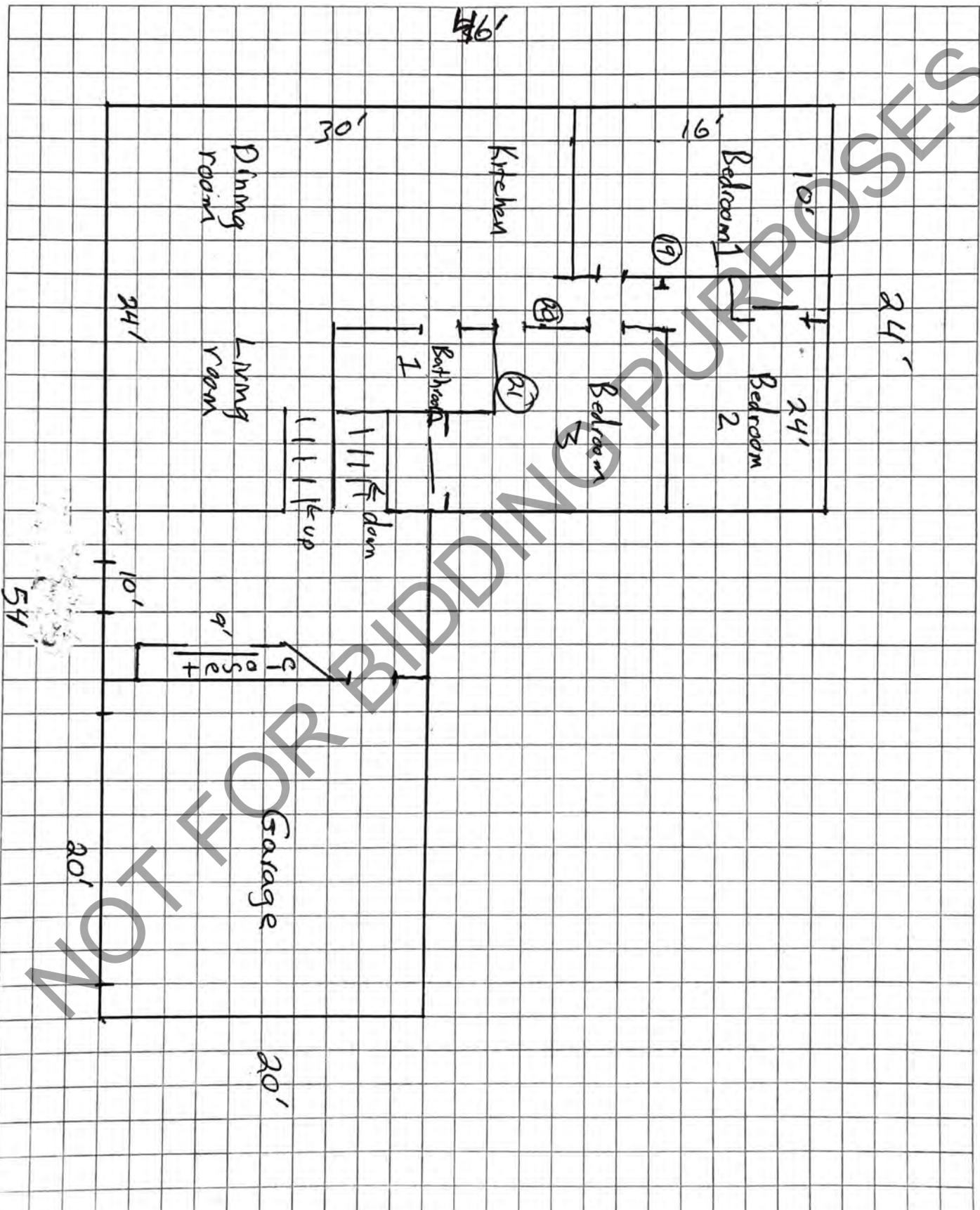
FIGURE 2

Parcel 3

SHEET NO. 1 OF 2  
PROJECT NO. 441231.0000.0000  
DATE 7/21/21  
BY SAR



SUBJECT 321 W. Brentwood Ln. CHK'D



Parcel 3

SHEET NO. 2 OF 2

PROJECT NO. 441231.0000.0000

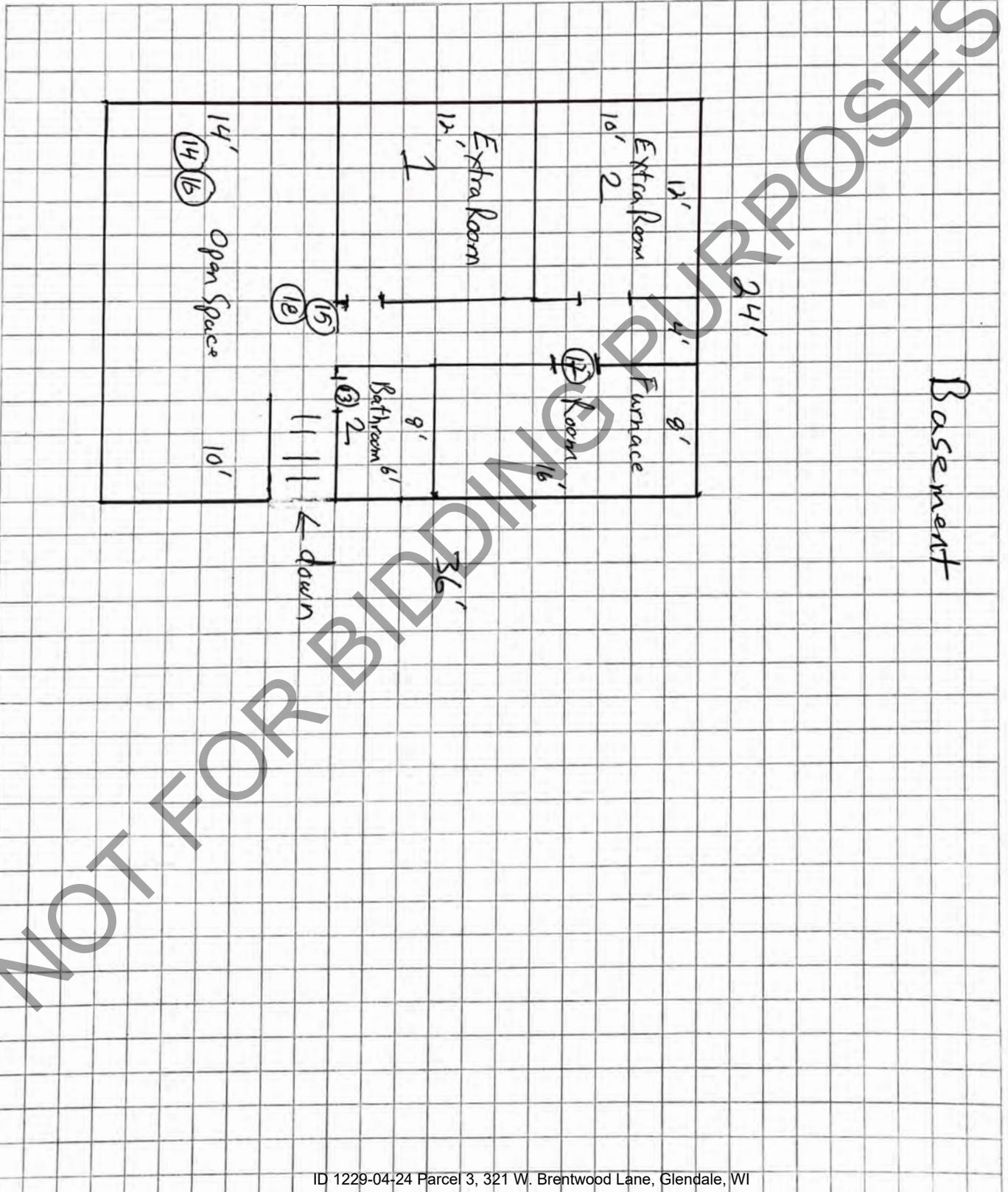
DATE 7/21/21

BY JAR

CHK'D



SUBJECT 321 W. Brentwood Ln



## Appendix A: Photographs

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 1	<b>Date</b> 7/21/2021		
<b>Description</b> Front of house			
<b>Photo No.</b> 2	<b>Date</b> 7/21/2021		
<b>Description</b> Side of house			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 3	<b>Date</b> 7/21/2021		
<b>Description</b> Back of house			
<b>Photo No.</b> 4	<b>Date</b> 7/21/2021		
<b>Description</b> Side of house			

NOT FOR PENDING PURPOSE

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 5	<b>Date</b> 7/21/2021		
<b>Description</b> Roof			

<b>Photo No.</b> 6	<b>Date</b> 7/21/2021		
<b>Description</b> Roof			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 7	<b>Date</b> 7/21/2021		
<b>Description</b> Roofing paper and shingles on roof, both non-detect for ACM			
<b>Photo No.</b> 8	<b>Date</b> 7/21/2021		
<b>Description</b> Chimney			

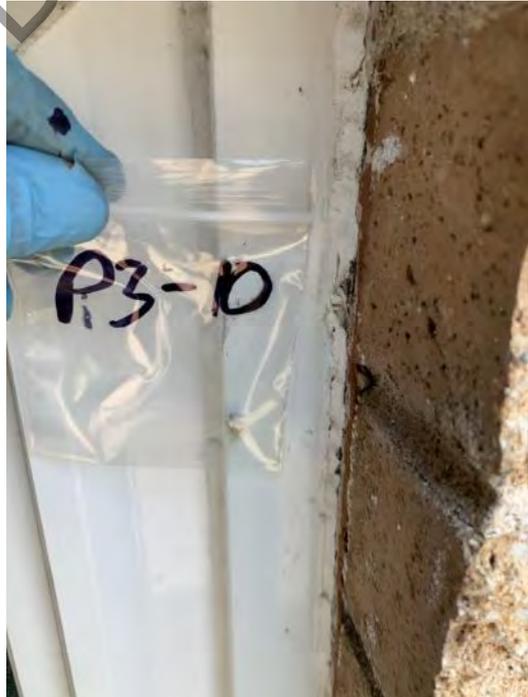
### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 9	<b>Date</b> 7/21/2021		<p><b>Description</b> Chimney flue, non-detect for ACM</p>
<b>Photo No.</b> 10	<b>Date</b> 7/21/2021		

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 11	<b>Date</b> 7/21/2021		
<b>Description</b> White caulk around exterior window and door frames, non-detect for ACM			

<b>Photo No.</b> 12	<b>Date</b> 7/21/2021	
<b>Description</b> White caulk around exterior window and door frames, non-detect for ACM		

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 13	<b>Date</b> 7/21/2021		
<b>Description</b> Entryway			
<b>Photo No.</b> 14	<b>Date</b> 7/21/2021		
<b>Description</b> Living room			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 15	<b>Date</b> 7/21/2021		
<b>Description</b> Dining room and kitchen			
<b>Photo No.</b> 16	<b>Date</b> 7/21/2021		
<b>Description</b> Hallway			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 17	<b>Date</b> 7/21/2021		
<b>Description</b> Bathroom 1 located upstairs			
<b>Photo No.</b> 18	<b>Date</b> 7/21/2021	<b>Description</b> Bedroom	

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 19	<b>Date</b> 7/21/2021		
<b>Description</b> Bedroom			
<b>Photo No.</b> 20	<b>Date</b> 7/21/2021		
<b>Description</b> Bedroom			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 21	<b>Date</b> 7/21/2021		
<b>Description</b> Basement stairs			
<b>Photo No.</b> 22	<b>Date</b> 7/21/2021		
<b>Description</b> Basement room			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 23	<b>Date</b> 7/21/2021		
<b>Description</b> Basement room			
<b>Photo No.</b> 24	<b>Date</b> 7/21/2021		
<b>Description</b> Basement hallway			

NOT FOR BIDDING PURPOSES

### Photographic Log

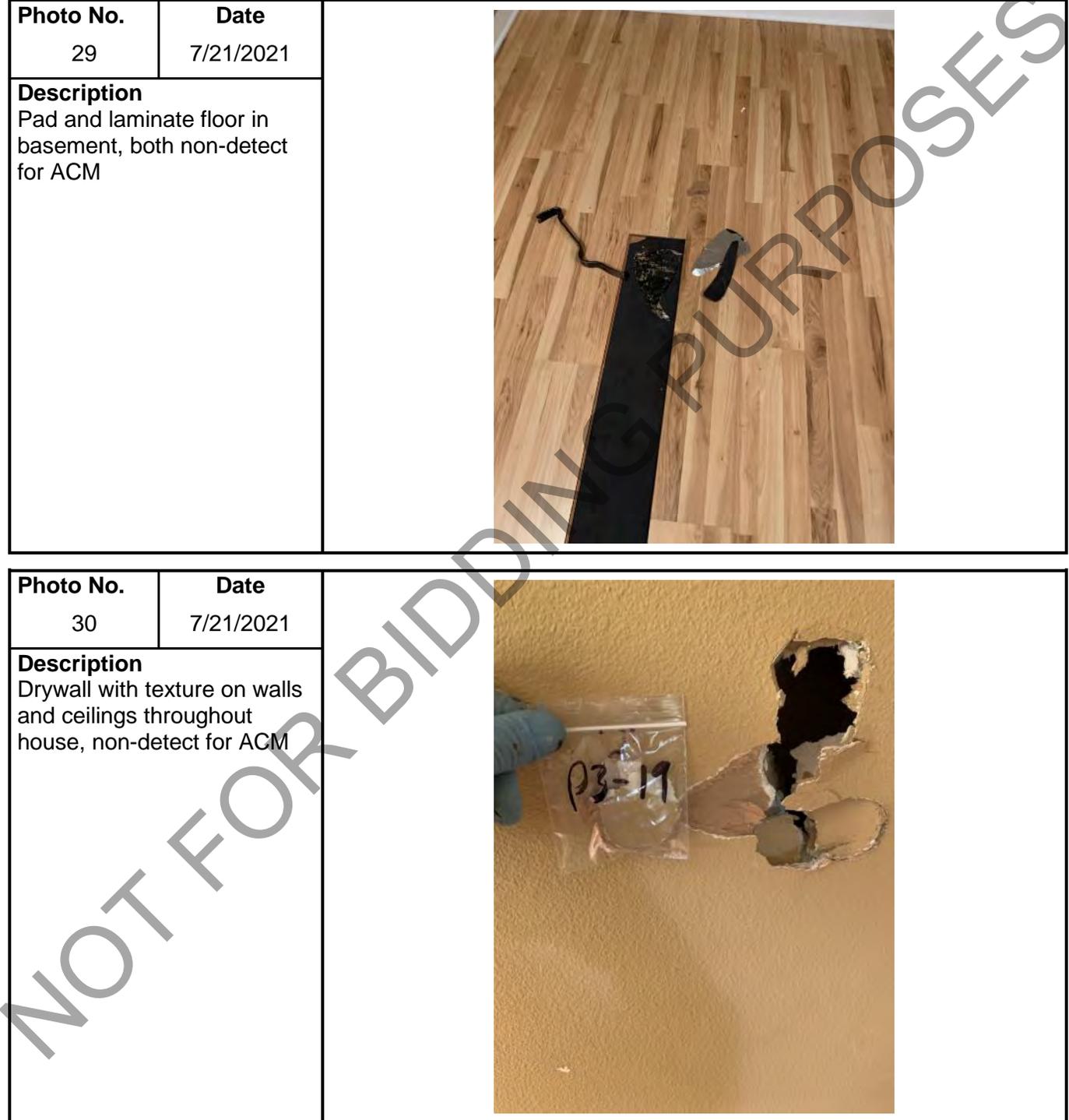
<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 25	<b>Date</b> 7/21/2021		
<b>Description</b> Bathroom 2 located in basement			
<b>Photo No.</b> 26	<b>Date</b> 7/21/2021		
<b>Description</b> Bathroom 2 located in basement			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 27	<b>Date</b> 7/21/2021		
<b>Description</b> Black mastic on floor in bathroom 2, contains 10% Cat.I non-friable ACM			
<b>Photo No.</b> 28	<b>Date</b> 7/21/2021		
<b>Description</b> Unfinished area of basement			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Brentwood Lane (Parcel 3), Glendale, Wisconsin	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 29	<b>Date</b> 7/21/2021		
<b>Description</b> Pad and laminate floor in basement, both non-detect for ACM			
<b>Photo No.</b> 30	<b>Date</b> 7/21/2021		
<b>Description</b> Drywall with texture on walls and ceilings throughout house, non-detect for ACM			

**Appendix B: Laboratory Analytical Results**

NOT FOR BIDDING PURPOSES



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057328  
 Project #: 441233.0000.0000  
 Date Received: 07/23/2021  
 Date Analyzed: 07/27/2021

Site: Parcel 3, 321 W. Brentwood Street, Glendale, WI

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P3-1	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P3-1		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P3-2	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P3-2		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P3-3	Roof	LAYER 1 Black roofing paper	90% cellulose	ND	None
P3-3		LAYER 2 Black/Brown/Tan asphalt shingle	20% fibrous glass	ND	None
P3-4	Chimney flue	White caulk	---	ND	None
P3-5	Chimney flue	White caulk	---	ND	None
P3-6	Chimney flue	White caulk	---	ND	None
P3-7	Chimney	Brown caulk	---	ND	None
P3-8	Chimney	Brown caulk	---	ND	None
P3-9	Chimney	Brown caulk	---	ND	None
P3-10	Exterior doors & windows	White caulk	---	ND	None
P3-11	Exterior doors & windows	White caulk	---	ND	None
P3-12	Exterior doors & windows	White caulk	---	ND	None
P3-13	Bathroom 2 & open space (basement)	Black mastic	---	10%	Chrysotile
P3-14	Bathroom 2 & open space (basement)	--	--	NA/PS	--

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387  
 ID 1229-04-24 Parcel 3, 321 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
P3-15	Bathroom 2 & open space (basement)	--	--	NA/PS	--
P3-16	Basement open area, hallway, extra room	LAYER 1 Black pad	---	ND	None
P3-16		LAYER 2 Brown laminate flooring	99% cellulose	ND	None
P3-17	Basement open area, hallway, extra room	LAYER 1 Black pad	---	ND	None
P3-17		LAYER 2 Brown laminate flooring	99% cellulose	ND	None
P3-18	Basement open area, hallway, extra room	LAYER 1 Black pad	---	ND	None
P3-18		LAYER 2 Brown laminate flooring	99% cellulose	ND	None
P3-19	Throughout the house walls & ceilings & basement	LAYER 1 White splatter texture	---	ND	None
P3-19		LAYER 2 Off White drywall	2% cellulose	ND	None
P3-20	Throughout the house walls & ceilings & basement	LAYER 1 White splatter texture	---	ND	None
P3-20		LAYER 2 Off White drywall	2% cellulose	ND	None
P3-21	Throughout the house walls & ceilings & basement	LAYER 1 White splatter texture	---	ND	None
P3-21		LAYER 2 Off White drywall	2% cellulose	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 Date Issued: 07/28/2021  
 Kathleen Williamson, Laboratory Manager Joel Corso, Approved Signatory

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



## Exhibits

ID 1229-04-24 #8

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:** Ranch style 1,314 SF single family home with two car attached garage. Access walks, curbs, steps, and concrete driveway if applicable. Miscellaneous fencing, any and all other relevant surrounding improvements and debris, if present. Irrigation well present that will need to be properly abandoned, located near the rear patio. 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 8, 321 W. Apple Tree Road, Glendale, WI

**PHOTOS OF THE SUBJECT**



1.) Front elevation



2.) Front elevation



3.) Rear elevation



4.) Backyard

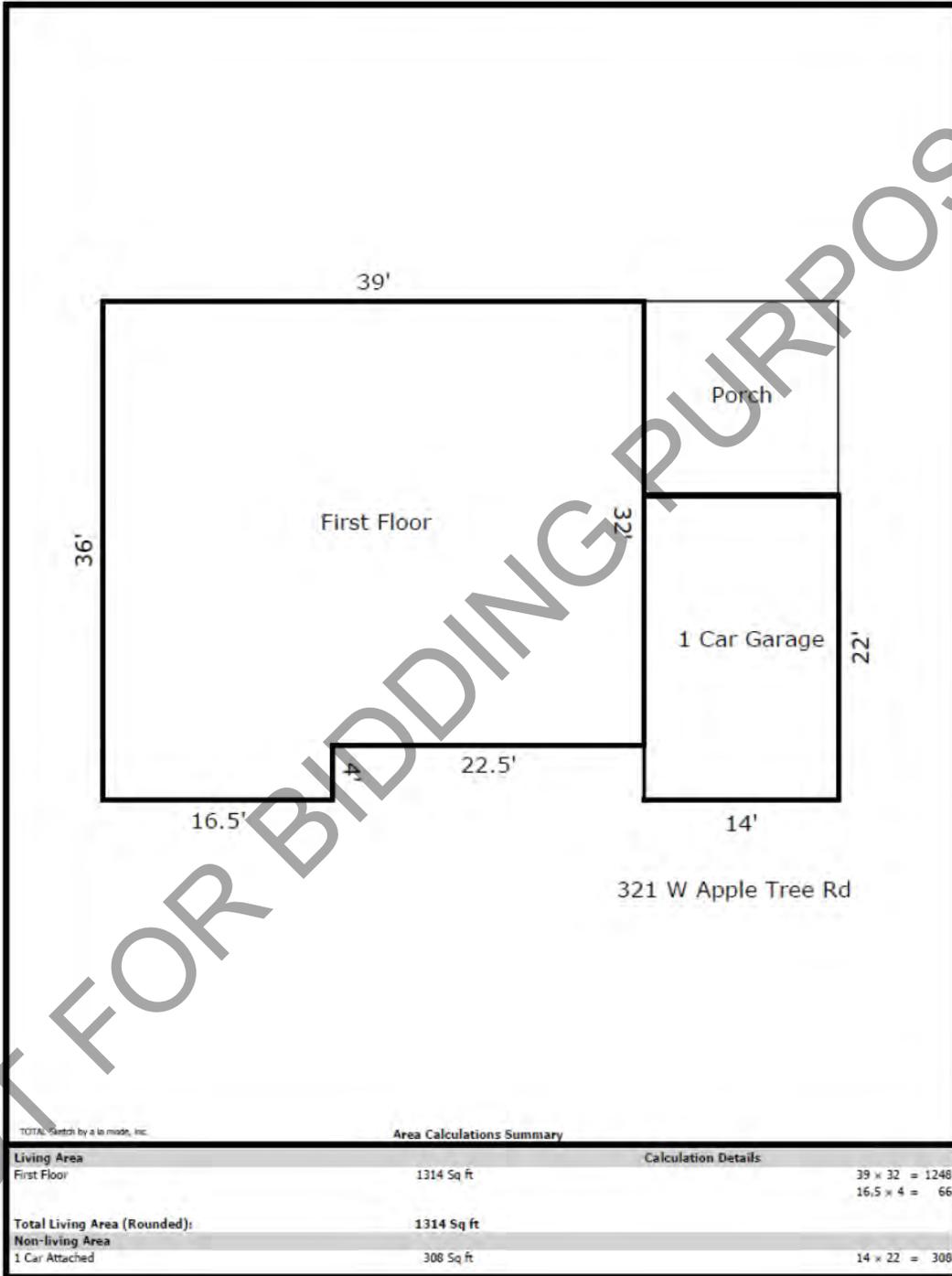


5.) Street scene along Apple Tree Road



6.) Street scene along Port Washington Road

**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. No interior inspection was performed.

<b>Year built:</b>	1953
<b>Number of stories:</b>	Ranch
<b>Above grade square feet:</b>	1,314 square feet
<b>Bedrooms (above grade):</b>	2
<b>Baths (above grade):</b>	2 full
<b>Below grade square feet:</b>	1,314 square feet
<b>Below grade finished area:</b>	500 +/- square feet rec room
<b>Building frame:</b>	Wood
<b>Roof type:</b>	Asphalt shingle
<b>Exterior:</b>	Stone
<b>Heating:</b>	Forced air gas furnace
<b>Cooling:</b>	Central-air
<b>Garage:</b>	Attached 1-car
<b>Fuel type:</b>	Natural gas
<b>Electrical:</b>	Assumed adequate
<b>Hot water heater</b>	Unknown
<b>Porch/deck/patios:</b>	Enclosed porch (approximately 14' x 14')
<b>Driveway:</b>	Asphalt and concrete
<b>Landscaping:</b>	Good with perimeter fencing

### **Condition &**

#### **Quality of Construction:**

The appraiser was unable to inspect the interior of the subject. The assessor information generally rates the interior condition and quality of construction average. It is an extraordinary assumption that the interior condition and quality of construction are average for the market. Exterior finishes have average condition and quality.

**LOCATION MAP**

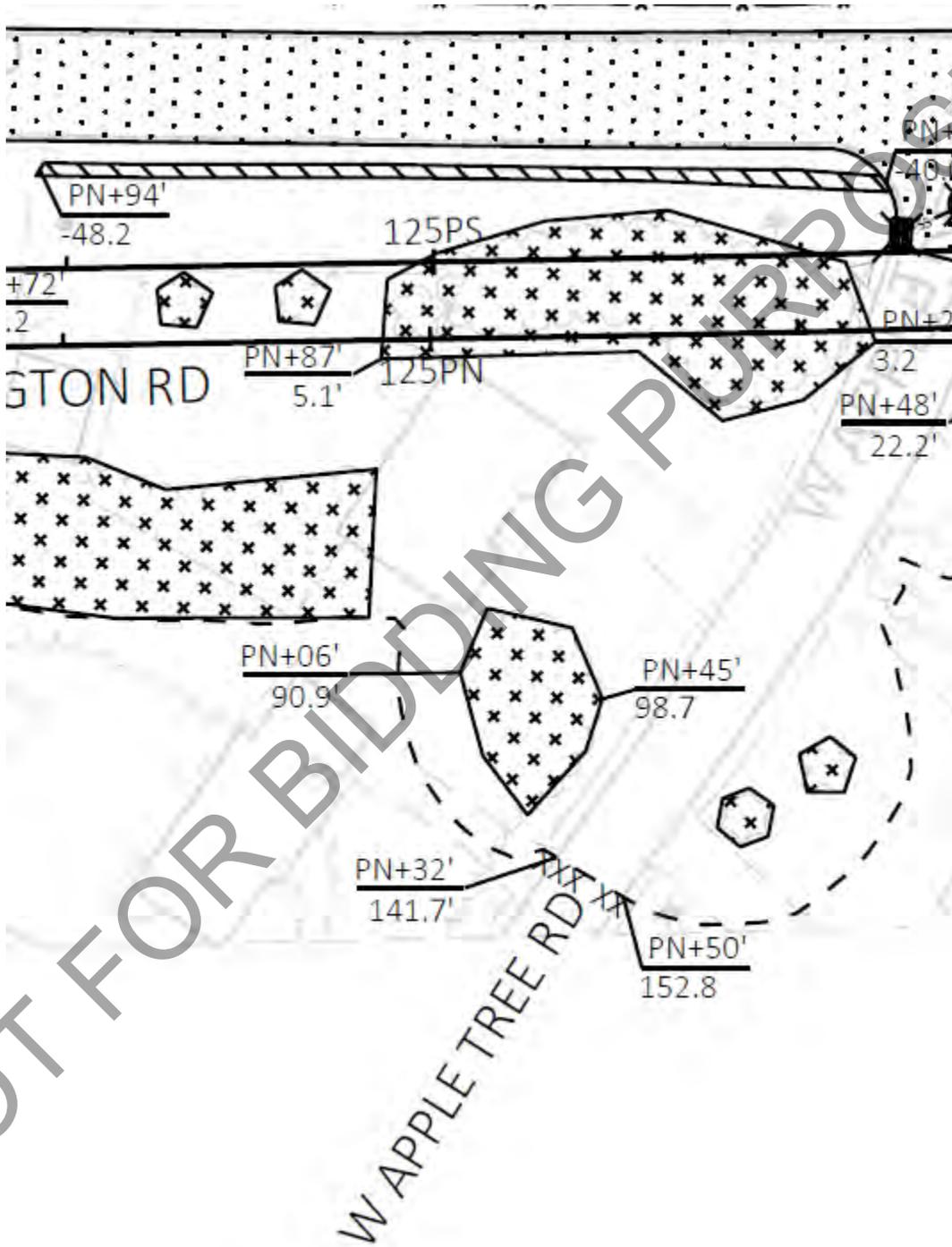


July 21, 2020

ID 1229-04-24 Parcel 8, 321 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\*





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](mailto:Inspections@glendale-wi.org).



# Asbestos-Containing Material and Pre-Demolition Reconnaissance

321 W. Apple Tree Road (Parcel 8)  
Glendale, Milwaukee County,  
Wisconsin

September 2021

WisDOT Project #1229-04-24

**Prepared For:**

Wisconsin Department of Transportation

**Prepared By:**

TRC  
708 Heartland Trail, Suite 3000  
Madison, Wisconsin 53717

Tom Perkins  
WDHFS Asbestos Inspector, All-252595

John Roelke  
WDHFS Asbestos Inspector, All-119523

Daniel Haak, P.E.  
Project Manager

NOT FOR BIDDING PURPOSES

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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
lin ft	linear feet
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 321 W. Apple Tree Road (Parcel 8) 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 225 sq ft of 12"x12" light brown/tan laminate floor tile under laminate flooring in kitchen (top layer)
- Approximately 225 sq ft of tan mastic and brown/gray vinyl tile under laminate flooring in kitchen (bottom layer)
- Approximately 12 lin ft of black/gray sealant around base of chimney
- Approximately 150 lin ft of white window glazing on exterior windows
- Approximately 180 sq ft of brown/tan 8"x8" vinyl tiles on basement utility room floor
- Approximately 80 sq ft of tan 8"x8" vinyl tiles on basement bathroom floor

The following Friable ACM is present:

- Approximately 1,170 sq ft of vermiculite insulation in attic

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 321 W. Apple Tree Road (Parcel 8) 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 August 4, 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 August 4, 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 54 samples were collected during the August sampling event and analyzed for the presence of ACM. Materials sampled included: laminate flooring with pad, mastic, laminate tile, tile backing, leveling cement, grout, ceramic tile, drywall with texture, shingles, roofing paper, roofing tar, caulk, sealant, window glazing, adhesive, insulation paper/wrap, and vermiculite insulation. 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 225 sq ft of 12"x12" light brown/tan laminate floor tile under laminate flooring in kitchen (top layer)
- Approximately 225 sq ft of tan mastic and brown/gray vinyl tile under laminate flooring in kitchen (bottom layer)
- Approximately 12 lin ft of black/gray sealant around base of chimney
- Approximately 150 lin ft of white window glazing on exterior windows
- Approximately 180 sq ft of brown/tan 8"x8" vinyl tiles on basement utility room floor
- Approximately 80 sq ft of tan 8"x8" vinyl tiles on basement bathroom floor

The following Friable ACM is present:

- Approximately 1,170 sq ft of vermiculite insulation in attic

## 3.0 ACM Abatement

### 3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 225 sq ft of 12"x12" light brown/tan laminate floor tile under laminate flooring in kitchen (top layer)
- Approximately 225 sq ft of tan mastic and brown/gray vinyl tile under laminate flooring in kitchen (bottom layer)
- Approximately 12 lin ft of black/gray sealant around base of chimney
- Approximately 150 lin ft of white window glazing on exterior windows
- Approximately 180 sq ft of brown/tan 8"x8" vinyl tiles on basement utility room floor
- Approximately 80 sq ft of tan 8"x8" vinyl tiles on basement bathroom floor

The following Friable ACM is present:

- Approximately 1,170 sq ft of vermiculite insulation in attic

### 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 225 sq ft of 12"x12" light brown/tan laminate floor tile under laminate flooring in kitchen (top layer)
- Approximately 225 sq ft of tan mastic and brown/gray vinyl tile under laminate flooring in kitchen (bottom layer)
- Approximately 12 lin ft of black/gray sealant around base of chimney
- Approximately 150 lin ft of white window glazing on exterior windows
- Approximately 180 sq ft of brown/tan 8"x8" vinyl tiles on basement utility room floor
- Approximately 80 sq ft of tan 8"x8" vinyl tiles on basement bathroom floor

The following Friable ACM is present:

- Approximately 1,170 sq ft of vermiculite insulation in attic

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: 321 W. Apple Tree Road (Parcel 8)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-24

Project Number: 441233.0000.0000  
 Sample Collection Date: August 4, 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
P8-1	Kitchen, Living room, Dining room floor	Foam pad (layer 1) Laminate flooring (layer 2)	White (layer 1) Brown (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-2	Kitchen, Living room, Dining room floor	Foam pad (layer 1) Laminate flooring (layer 2)	White (layer 1) Brown (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-3	Kitchen, Living room, Dining room floor	Foam pad (layer 1) Laminate flooring (layer 2)	White (layer 1) Brown (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-4	Kitchen floor, top layer under laminate flooring	Mastic (layer 1) 12"x12" laminate tile (layer 2)	Colorless (layer 1) Light brown/tan (layer 2)	Good	PLM, non-detect (layer 1) 5% (layer 2)	Non-friable	
P8-5	Kitchen floor, top layer under laminate flooring	Mastic (layer 1) 12"x12" laminate tile (layer 2)	Colorless (layer 1) Light brown/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	225 sq ft
P8-6	Kitchen floor, top layer under laminate flooring	Mastic (layer 1) 12"x12" laminate tile (layer 2)	Colorless (layer 1) Light brown/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	
P8-7	Kitchen floor, bottom layer under laminate flooring	Backing (layer 1) Mastic (layer 2) Vinyl tile (layer 3)	Green/brown (layer 1) Tan (layer 2) Brown/gray (layer 3)	Good	PLM, non-detect (layer 1) 10% (layer 2) 80% (layer 3)	Non-friable	
P8-8	Kitchen floor, bottom layer under laminate flooring	Backing (layer 1) Mastic (layer 2) Vinyl tile (layer 3)	Green/brown (layer 1) Tan (layer 2) Brown/gray (layer 3)	Good	PLM, non-detect (layer 1) NA/PS (layer 2&3)	Non-friable	225 sq ft
P8-9	Kitchen floor, bottom layer under laminate flooring	Backing (layer 1) Mastic (layer 2) Vinyl tile (layer 3)	Green/brown (layer 1) Tan (layer 2) Brown/gray (layer 3)	Good	PLM, non-detect (layer 1) NA/PS (layer 2&3)	Non-friable	
P8-10	Laundry room floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Tan (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-11	Laundry room floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Tan (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-12	Laundry room floor	Mastic (layer 1) 12"x12" vinyl tile (layer 2)	Tan (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-13	Bathroom 1 walls & countertop	Leveling cement (layer 1) Grout (layer 2) 4"x4" ceramic tile (layer 3)	White (layer 1) Blue (layer 2) Blue (layer 3)	Good	PLM, non-detect (all layers)	--	
P8-14	Bathroom 1 walls & countertop	Leveling cement (layer 1) Grout (layer 2) 4"x4" ceramic tile (layer 3)	White (layer 1) Blue (layer 2) Blue (layer 3)	Good	PLM, non-detect (all layers)	--	0
P8-15	Bathroom 1 walls & countertop	Leveling cement (layer 1) Grout (layer 2) 4"x4" ceramic tile (layer 3)	White (layer 1) Blue (layer 2) Blue (layer 3)	Good	PLM, non-detect (all layers)	--	

**Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results**

Client: WisDOT  
 Name: 321 W. Apple Tree Road (Parcel 8)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-24

Project Number: 441233.0000.0000  
 Sample Collection Date: August 4, 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
P8-16	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Green (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-17	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Green (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-18	Bathroom 1 floor	Grout (layer 1) Ceramic tile (layer 2)	Gray (layer 1) Green (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-19	Walls and ceilings throughout house	Orange peel texture (layer 1) Drywall (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-20	Walls and ceilings throughout house	Orange peel texture (layer 1) Drywall (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-21	Walls and ceilings throughout house	Orange peel texture (layer 1) Drywall (layer 2)	White (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-22	Roof	Shingle	Black/red/green	Good	PLM, non-detect	--	0
P8-23	Roof	Shingle	Black/red/green	Good	PLM, non-detect	--	0
P8-24	Roof	Shingle	Black/red/green	Good	PLM, non-detect	--	0
P8-25	Roof- under shingles	Paper/plastic (layer 1) Roofing tar (layer 2)	Gray (layer 1) Black (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-26	Roof- under shingles	Paper/plastic (layer 1) Roofing tar (layer 2)	Gray (layer 1) Black (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-27	Roof- under shingles	Paper/plastic (layer 1) Roofing tar (layer 2)	Gray (layer 1) Black (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-28	Around roof vent	Caulk	Red	Good	PLM, non-detect	--	0
P8-29	Around roof vent	Caulk	Red	Good	PLM, non-detect	--	0
P8-30	Around roof vent	Caulk	Red	Good	PLM, non-detect	--	0
P8-31	Around chimney base	Sealant	Gray/orange	Good	PLM, non-detect	--	12 lin ft
P8-32	Around chimney base	Sealant	Gray	Good	PLM, 2%	Non-friable	12 lin ft
P8-33	Around chimney base	Sealant	Black/gray	Good	PLM, 10%	Non-friable	12 lin ft
P8-34	Exterior window	Glaze	White	Good	PLM, 2%	Non-friable	150 lin ft
P8-35	Exterior window	Glaze	White	Good	NA/PS	Non-friable	150 lin ft
P8-36	Exterior window	Glaze	White	Good	NA/PS	Non-friable	150 lin ft

**Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results**

Client: WisDOT  
 Name: 321 W. Apple Tree Road (Parcel 8)  
 Location: Glendale, Milwaukee County  
 Project ID: 1229-04-24

Project Number: 441233.0000.0000  
 Sample Collection Date: August 4, 2021  
 Samples Collected By: Tom Perkins, John Roelke  
 Asbestos Inspector Number: All-252595, All-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P8-37	Basement main floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-38	Basement main floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	0
P8-39	Basement main floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Gray (layer 2)	Good	PLM, non-detect (both layers)	--	
P8-40	Basement utility room floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Brown/tan (layer 2)	Good	PLM, non-detect (layer 1) 5% (layer 2)	Non-friable	
P8-41	Basement utility room floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Brown/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	180 sq ft
P8-42	Basement utility room floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	Black (layer 1) Brown/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	
P8-43	Basement bathroom floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	White (layer 1) Yellow/tan (layer 2)	Good	PLM, non-detect (layer 1) 3% (layer 2)	Non-friable	
P8-44	Basement bathroom floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	White (layer 1) Yellow/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	80 sq ft
P8-45	Basement bathroom floor	Adhesive (layer 1) 8"x8" vinyl tile (layer 2)	White (layer 1) Yellow/tan (layer 2)	Good	PLM, non-detect (layer 1) NA/PS (layer 2)	Non-friable	
P8-46	Around piping in basement utility room	Insulation paper/wrap	Yellow/tan/white	Good	PLM, non-detect	--	0
P8-47	Around piping in basement utility room	Insulation paper/wrap	Yellow/tan/white	Good	PLM, non-detect	--	
P8-48	Around piping in basement utility room	Insulation paper/wrap	Yellow/tan/white	Good	PLM, non-detect	--	
P8-49	Basement walls	Popcorn texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P8-50	Basement walls	Popcorn texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	0
P8-51	Basement walls	Popcorn texture (layer 1) Drywall (layer 2)	White (layer 1) White (layer 2)	Good	PLM, non-detect	--	
P8-52	Attic	Vermiculite insulation	--	Good	Present	Friable	
P8-53	Attic	Vermiculite insulation	--	Good	Present	Friable	1,170 sq ft
P8-54	Attic	Vermiculite insulation	--	Good	Present	Friable	

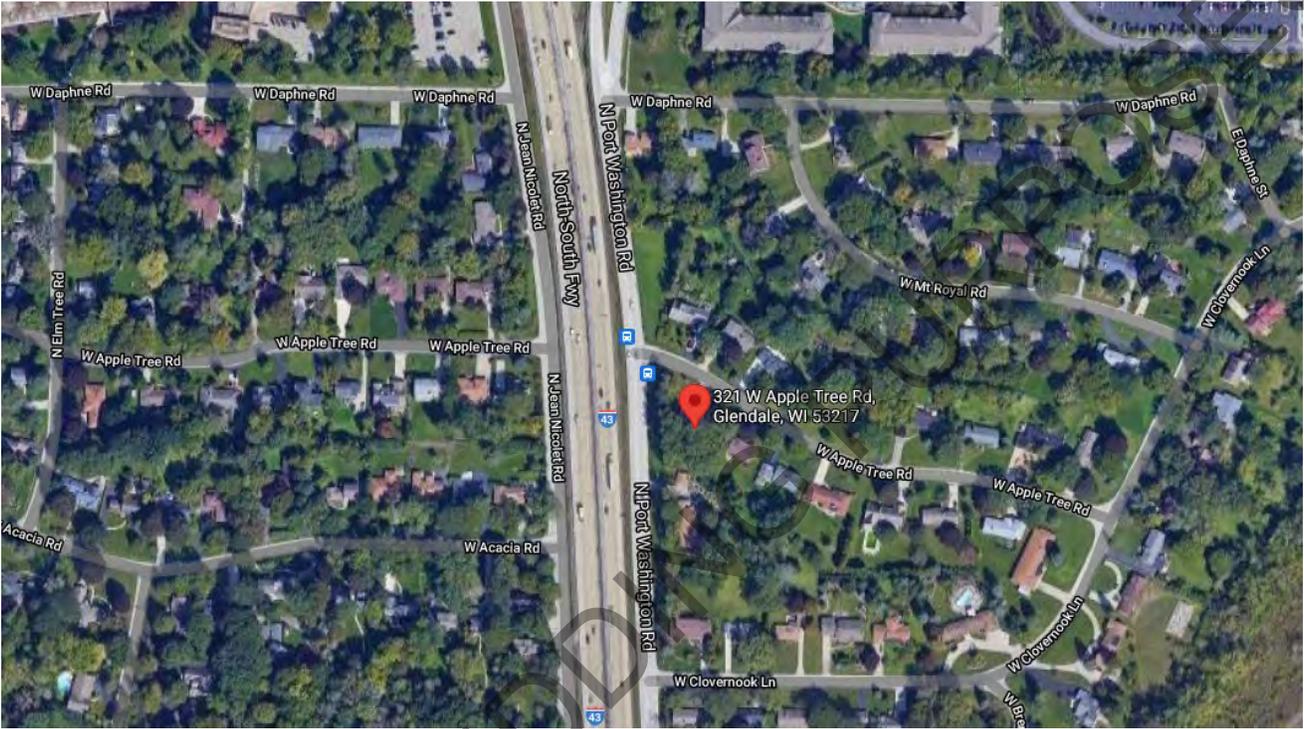
Notes:  
 PLM = Polarized Light Microscopy  
 NA/PS = Not Analyzed, Positive Stop  
 1. Inspection was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21 35-45.

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

321 W. APPLE TREE RD (PARCEL 8), GLENDALE

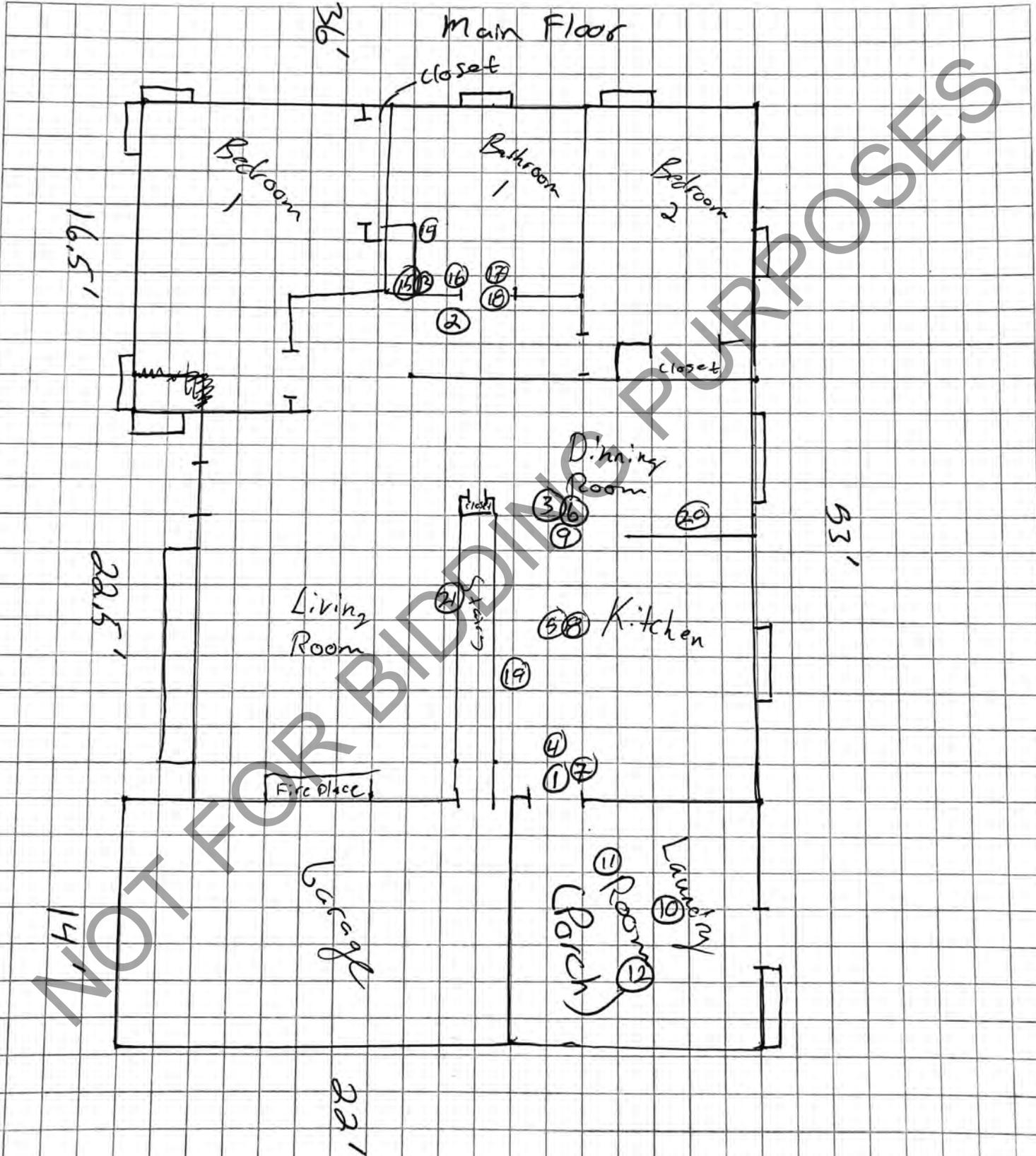


Parcel 8

SHEET NO. 1 OF 3  
PROJECT NO. 441233.0000.0000  
DATE 8/4/21  
BY SA  
CHK'D TWP



SUBJECT 321 W. Apple Tree Rd



Parcel 8



SUBJECT 321 W. Apple Tree Rd

SHEET NO. 2 OF 3  
PROJECT NO. 441233,000,000  
DATE 8/4/21  
BY SAR  
CHK'D TWP

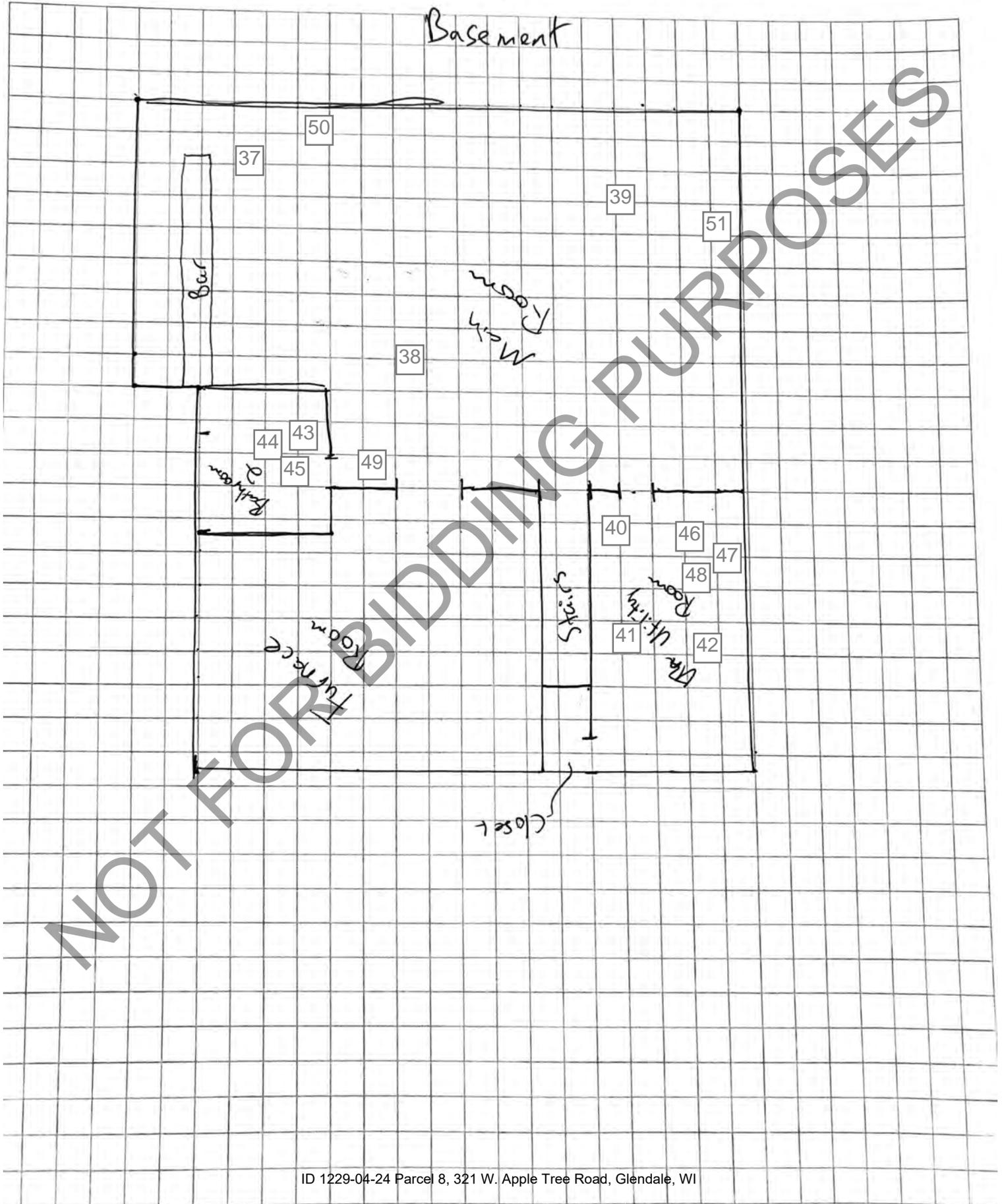


FIGURE 2

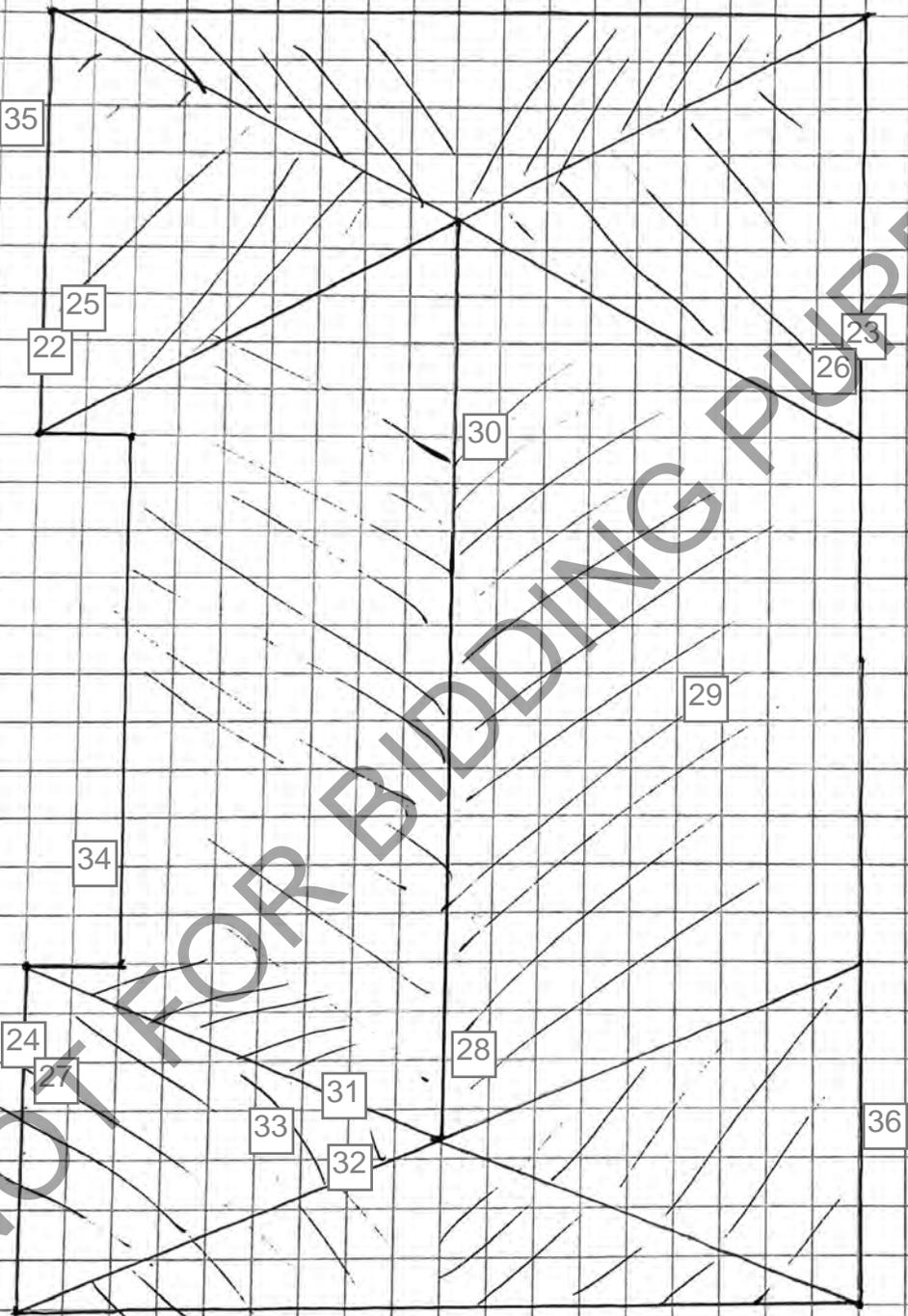
Parcel 8

SHEET NO. 3 OF 3  
PROJECT NO. 441233.0000.000  
DATE 8/4/21  
BY TAA  
CHK'D TWP



SUBJECT 321 W. Apple Tree Rd

Roof



## Appendix A: Photographs

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 1	<b>Date</b> 8/4/2021		
<b>Description</b> Front of house			
<b>Photo No.</b> 2	<b>Date</b> 8/4/2021		
<b>Description</b> Garage			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 3	<b>Date</b> 8/4/2021		
<b>Description</b> Side of house			
<b>Photo No.</b> 4	<b>Date</b> 8/4/2021		
<b>Description</b> Back of house			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 5	<b>Date</b> 8/4/2021		
<b>Description</b> Front door/living room			
<b>Photo No.</b> 6	<b>Date</b> 8/4/2021		
<b>Description</b> Living room			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 7	<b>Date</b> 8/4/2021		
<b>Description</b> Dining room			
<b>Photo No.</b> 8	<b>Date</b> 8/4/2021		
<b>Description</b> Kitchen			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 9	<b>Date</b> 8/4/2021		
<b>Description</b> Hallway			
<b>Photo No.</b> 10	<b>Date</b> 8/4/2021	<b>Description</b> Laminate flooring and foam pad on Living room/Dining room/Kitchen and hallway floor  Non-detect for ACM	

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 11	<b>Date</b> 8/4/2021		
<b>Description</b> Kitchen floor			
<b>Photo No.</b> 12	<b>Date</b> 8/4/2021		
<b>Description</b> Colorless mastic and 12"x12" light brown/tan laminate tile under laminate floor in kitchen (top layer)  Mastic is non-detect for ACM, 12"x12" laminate tile contains 5% non-friable ACM		Top layer	Bottom layer

### Photographic Log

Client Name:		Site Location:		Project No.:	
WisDOT		321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County		WisDOT #1229-04-24 TRC# 441233.0000	
Photo No.	Date				
13	8/4/2021				
Description					
Backing, tan mastic and brown/gray vinyl tile under laminate floor in kitchen (bottom layer)  Backing is non-detect for ACM, mastic contains 10% non-friable ACM, and vinyl tile contains 80% non-friable ACM					
Photo No.	Date				
14	8/4/2021				
Description					
Laundry room					

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 15	<b>Date</b> 8/4/2021		
<b>Description</b> Mastic and 12"x12" vinyl tile in laundry room  Both non-detect for ACM			
<b>Photo No.</b> 16	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 17	<b>Date</b> 8/4/2021		
<b>Description</b> Bedroom			

<b>Photo No.</b> 18	<b>Date</b> 8/4/2021	
<b>Description</b> Bathroom		

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 19	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom			

<b>Photo No.</b> 20	<b>Date</b> 8/4/2021		
<b>Description</b> Bathroom			

### Photographic Log

Client Name:		Site Location:	Project No.:
WisDOT		321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	WisDOT #1229-04-24 TRC# 441233.0000
Photo No.	Date	Description	Image
21	8/4/2021		
Leveling cement, grout and 4"x4" ceramic tile on bathroom walls and countertop		All non-detect for ACM	
Photo No.	Date	Description	Image
22	8/4/2021		
Grout and ceramic tile on bathroom floor		Both non-detect for ACM	

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 23	<b>Date</b> 8/4/2021		<p><b>Description</b> Drywall with orange peel texture on walls and ceilings throughout the house</p> <p>Non-detect for ACM</p>
<b>Photo No.</b> 24	<b>Date</b> 8/4/2021		
<b>Description</b> Stairs to basement			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 25	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			
<b>Photo No.</b> 26	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			

NOT FOR BIDDING PURPOSES

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 27	<b>Date</b> 8/4/2021		
<b>Description</b> Basement			
<b>Photo No.</b> 28	<b>Date</b> 8/4/2021		
<b>Description</b> Adhesive and 8"x8" gray vinyl tile on floor in basement main area  Both non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 29	<b>Date</b> 8/4/2021		
<b>Description</b> Popcorn texture and drywall on basement walls  Both non-detect for ACM			

<b>Photo No.</b> 30	<b>Date</b> 8/4/2021	
<b>Description</b> Basement utility room		

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 31	<b>Date</b> 8/4/2021		
<b>Description</b> Black adhesive and 8"x8" brown/tan vinyl tile on floor in basement utility room  Adhesive is non-detect for ACM, 8"x8" brown/tan vinyl tile contains 5% non-friable ACM			

<b>Photo No.</b> 32	<b>Date</b> 8/4/2021		
<b>Description</b> Insulation paper/wrap around piping in basement utility room  Non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 33	<b>Date</b> 8/4/2021		
<b>Description</b> Basement bathroom			
<b>Photo No.</b> 34	<b>Date</b> 8/4/2021		
<b>Description</b> Basement bathroom			

### Photographic Log

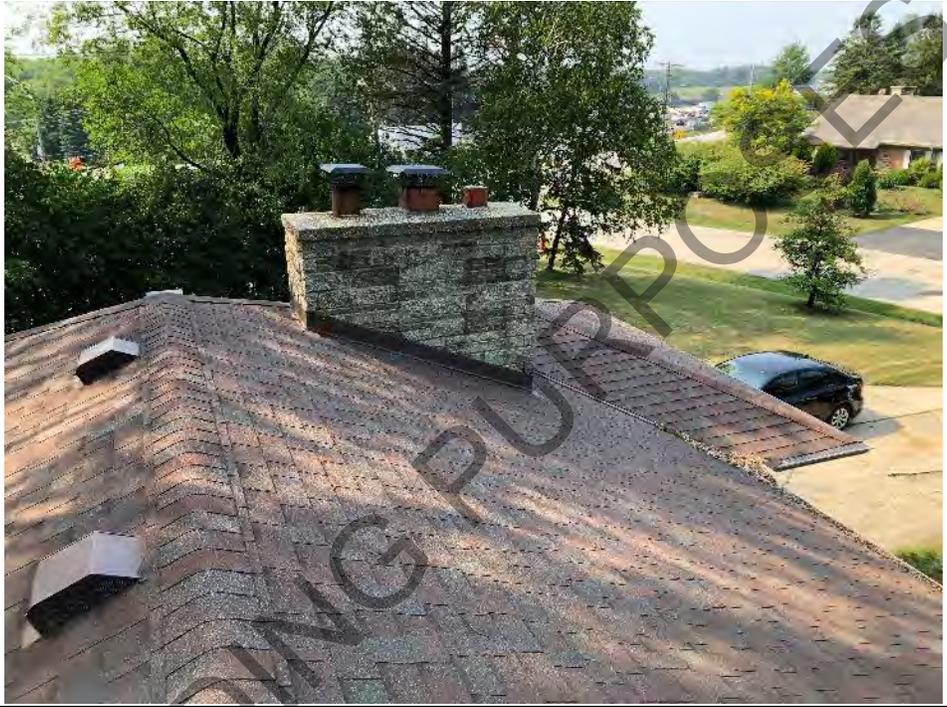
<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 35	<b>Date</b> 8/4/2021		
<b>Description</b> Adhesive and 8"x8" yellow/tan vinyl tile on floor in basement bathroom  Adhesive is non-detect for ACM, 8"x8" yellow/tan vinyl tile contains 3% non-friable ACM			
<b>Photo No.</b> 36	<b>Date</b> 8/4/2021		
<b>Description</b> Furnace room			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 37	<b>Date</b> 8/4/2021		
<b>Description</b> Vermiculite insulation in attic  Contains friable ACM			

<b>Photo No.</b> 38	<b>Date</b> 8/4/2021	
<b>Description</b> Roof		

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 39	<b>Date</b> 8/4/2021		
<b>Description</b> Roof			
<b>Photo No.</b> 40	<b>Date</b> 8/4/2021		
<b>Description</b> Shingles on roof  Non-detect for ACM			

### Photographic Log

Client Name:		Site Location:		Project No.:	
WisDOT		321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County		WisDOT #1229-04-24 TRC# 441233.0000	
Photo No.	Date	Description	Image	NOT FOR BIDDING PURPOSES	
41	8/4/2021				
		Paper/plastic and tar under shingles on roof  Both non-detect for ACM			
Photo No.	Date	Description	Image	NOT FOR BIDDING PURPOSES	
42	8/4/2021				
		Caulk around roof vent  Non-detect for ACM			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 43	<b>Date</b> 8/4/2021		
<b>Description</b> Caulk around base of chimney  Contains 2% and 10% non-friable ACM			

<b>Photo No.</b> 44	<b>Date</b> 8/4/2021		
<b>Description</b> Exterior window			

### Photographic Log

<b>Client Name:</b> WisDOT		<b>Site Location:</b> 321 W. Apple Tree Road (Parcel 8), Glendale, Milwaukee County	<b>Project No.:</b> WisDOT #1229-04-24 TRC# 441233.0000
<b>Photo No.</b> 45	<b>Date</b> 8/4/2021		
<b>Description</b> White window glaze around exterior window  Contains 2% non-friable ACM			

NOT FOR BIDDING

**Appendix B: Laboratory Analytical Results**

NOT FOR BIDDING PURPOSES



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0057417  
 Project #: 441233.0000.0000  
 Date Received: 08/09/2021  
 Date Analyzed: 08/11/2021

Site: Parcel 8, 321 W. Appletree 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
P8-1	Kitchen, living, & dining room	LAYER 1 White foam sheet	---	ND	None
P8-1		LAYER 2 Brown laminate floor	95% cellulose	ND	None
P8-2	Kitchen, living, & dining room	LAYER 1 White foam sheet	---	ND	None
P8-2		LAYER 2 Brown laminate floor	95% cellulose	ND	None
P8-3	Kitchen, living, & dining room	LAYER 1 White foam sheet	---	ND	None
P8-3		LAYER 2 Brown laminate floor	95% cellulose	ND	None
P8-4	Layer 2 kitchen floor	LAYER 1 Colorless mastic	---	ND	None
P8-4		LAYER 2 Light Brown/Tan 12"x12" laminate tile	---	5%	Chrysotile
P8-5	Layer 2 kitchen floor	LAYER 1 Colorless mastic	---	ND	None
P8-5		--	--	NA/PS	--
P8-6	Layer 2 kitchen floor	LAYER 1 Colorless mastic	---	ND	None
P8-6		--	--	NA/PS	--
P8-7	Layer 1 kitchen floor	LAYER 1 Green/Brown backing	99% cellulose	ND	None
P8-7		LAYER 2 Tan mastic	60% cellulose	10%	Chrysotile
P8-7		LAYER 3 Brown/Grey vinyl floor tile	---	80%	Chrysotile
P8-8	Layer 1 kitchen floor	LAYER 1 Green/Brown backing	99% cellulose	ND	None
P8-8		--	--	NA/PS	--
P8-8		--	--	NA/PS	--

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 8, 321 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
P8-9	Layer 1 kitchen floor	LAYER 1 Green/Brown backing	99% cellulose	ND	None
P8-9		--	--	NA/PS	--
P8-9		--	--	NA/PS	--
P8-10	Laundry room	LAYER 1 Tan mastic	---	ND	None
P8-10		LAYER 2 Grey 12"x12" vinyl tile	---	ND	None
P8-11	Laundry room	LAYER 1 Tan mastic	---	ND	None
P8-11		LAYER 2 Grey 12"x12" vinyl tile	---	ND	None
P8-12	Laundry room	LAYER 1 Tan mastic	---	ND	None
P8-12		LAYER 2 Grey 12"x12" vinyl tile	---	ND	None
P8-13	Bathroom 1 walls & counter	LAYER 1 Grey leveling cement	---	ND	None
P8-13		LAYER 2 White grout	---	ND	None
P8-13		LAYER 3 Blue 4"x4" ceramic tile	---	ND	None
P8-14	Bathroom 1 walls & counter	LAYER 1 Grey leveling cement	---	ND	None
P8-14		LAYER 2 White grout	---	ND	None
P8-14		LAYER 3 Blue 4"x4" ceramic tile	---	ND	None
P8-15	Bathroom 1 walls & counter	LAYER 1 Grey leveling cement	---	ND	None
P8-15		LAYER 2 White grout	---	ND	None
P8-15		LAYER 3 Blue 4"x4" ceramic tile	---	ND	None
P8-16	Bathroom 1 floor	LAYER 1 Grey grout	---	ND	None
P8-16		LAYER 2 Green ceramic tile	---	ND	None
P8-17	Bathroom 1 floor	LAYER 1 Grey grout	---	ND	None
P8-17		LAYER 2 Green ceramic tile	---	ND	None
P8-18	Bathroom 1 floor	LAYER 1 Grey grout	---	ND	None
P8-18		LAYER 2 Green ceramic tile	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

ID 1229-04-24 Parcel 8, 321 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
P8-19	Walls & ceiling throughout house	LAYER 1 White orange peel texture	---	ND	None
P8-19		LAYER 2 Grey drywall	3% cellulose	ND	None
P8-20	Walls & ceiling throughout house	LAYER 1 White orange peel texture	---	ND	None
P8-20		LAYER 2 Grey drywall	3% cellulose	ND	None
P8-21	Walls & ceiling throughout house	LAYER 1 White orange peel texture	---	ND	None
P8-21		LAYER 2 Grey drywall	3% cellulose	ND	None
P8-22	Roof	Black/Red/Green shingle	10% fibrous glass	ND	None
P8-23	Roof	Black/Red/Green shingle	10% fibrous glass	ND	None
P8-24	Roof	Black/Red/Green shingle	10% fibrous glass	ND	None
P8-25	Roof	LAYER 1 Grey paper/plastic	---	ND	None
P8-25		LAYER 2 Black roofing tar	20% cellulose	ND	None
P8-26	Roof	LAYER 1 Grey paper/plastic	---	ND	None
P8-26		LAYER 2 Black roofing tar	20% cellulose	ND	None
P8-27	Roof	LAYER 1 Grey paper/plastic	---	ND	None
P8-27		LAYER 2 Black roofing tar	20% cellulose	ND	None
P8-28	Roof venting	Red caulk	---	ND	None
P8-29	Roof venting	Red caulk	---	ND	None
P8-30	Roof venting	Red caulk	---	ND	None
P8-31	Roof chimney	Grey/Orange chimney sealant	---	ND	None
P8-32	Roof chimney	Grey chimney sealant	---	2%	Chrysotile
P8-33	Roof chimney	Black/Grey chimney sealant	---	10%	Chrysotile
P8-34	Exterior window	White window glaze	---	2%	Chrysotile
P8-35	Exterior window	--	--	NA/PS	--

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

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

AIHA-LAP, LLC #100122 CT #PH-0426  
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NY #10980  
 NJ #CT004

WV #000622  
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ID 1229-04-24 Parcel 8, 321 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
P8-36	Exterior window	--	--	NA/PS	--
P8-37	Basement (main) floor	LAYER 1 Black adhesive	---	ND	None
P8-37		LAYER 2 Grey 8"x8" vinyl floor tile	---	ND	None
P8-38	Basement (main) floor	LAYER 1 Black adhesive	---	ND	None
P8-38		LAYER 2 Grey 8"x8" vinyl floor tile	---	ND	None
P8-39	Basement (main) floor	LAYER 1 Black adhesive	---	ND	None
P8-39		LAYER 2 Grey 8"x8" vinyl floor tile	---	ND	None
P8-40	Basement floor- utility room	LAYER 1 Black adhesive	---	ND	None
P8-40		LAYER 2 Brown/Tan 8"x 8" vinyl tile	---	5%	Chrysotile
P8-41	Basement floor- utility room	LAYER 1 Black adhesive	---	ND	None
P8-41		--	--	NA/PS	--
P8-42	Basement floor- utility room	LAYER 1 Black adhesive	---	ND	None
P8-42		--	--	NA/PS	--
P8-43	basement floor- bathroom	LAYER 1 White adhesive	---	ND	None
P8-43		LAYER 2 Tan 8"x 8" vinyl tile	---	3%	Chrysotile
P8-44	basement floor- bathroom	LAYER 1 White adhesive	---	ND	None
P8-44		--	--	NA/PS	--
P8-45	basement floor- bathroom	LAYER 1 White adhesive	---	ND	None
P8-45		--	--	NA/PS	--
P8-46	Piping- Basement utility room	Yellow/Tan/White insulation paper	80% 10%	cellulose fibrous glass	ND None
P8-47	Piping- Basement utility room	Yellow/Tan/White insulation paper	80% 10%	cellulose fibrous glass	ND None
P8-48	Piping- Basement utility room	Yellow/Tan/White insulation paper	80% 10%	cellulose fibrous glass	ND None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**



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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P8-49	Basement walls	LAYER 1 White popcorn texture	---	ND	None
P8-49		LAYER 2 White drywall	2% cellulose	ND	None
P8-50	Basement walls	LAYER 1 White popcorn texture	---	ND	None
P8-50		LAYER 2 White drywall	2% cellulose	ND	None
P8-51	Basement walls	LAYER 1 White popcorn texture	---	ND	None
P8-51		LAYER 2 White drywall	2% cellulose	ND	None
P8-52	Attic floor	--	--	SNA	--
P8-53	Attic floor	--	--	SNA	--
P8-54	Attic floor	--	--	SNA	--

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: Joel Corso  
 Joel Corso, Laboratory Analyst

Reviewed by: K. Williamson  
 Kathleen Williamson, Laboratory Manager

Date Issued: 08/11/2021

**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  
 PHIL# 461

ME LA-0075, LB-0071  
 VA #3333 000283  
 PA#68-03387

MA #AA000052  
 AZ #A20944

NY #10980  
 HI #L-09-004

WV #000622  
 NJ #CT004  
 CA #2907

ID 1229-04-24 Parcel 8, 321 W. Apple Tree Road, Glendale, WI





Industrial Hygiene Laboratory  
21 Griffin Road North  
Windsor, CT 06095  
(860) 298-6308

**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: WI Department of Transportation

Site: Parcel 8, 321 Apple Tree, Glendale, WI  
Lab Log #: 57417A  
Project #: 441233.0000.0000  
Date Received: 08/09/2021  
Date Analyzed: 08/12/2021

**RESULTS**

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
P8-52	Vermiculite Sample	--	--	--	--	Present	Fibrous Amphibole
P8-53	Vermiculite Sample	--	--	--	--	Present	Fibrous Amphibole
P8-54	Vermiculite Sample	--	--	--	--	Present	Fibrous Amphibole

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, 2022. 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: 08/12/2021



## **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 5, 10, City of Glendale, Milwaukee County  
 Project I.D. 1229-04-23, Parcel 55, City of Grafton, Ozaukee County  
 Project I.D. 1229-04-24, Parcels 3, 8, City of Glendale, Milwaukee County

<b>Project/Parcel Number</b>	<b>Option A – Contractor to Pay WisDOT</b>	<b>Option B – Contractor to Receive Payment from WisDOT</b>
1229-04-21 Parcel 5	\$	\$
1229-04-21 Parcel 10	\$	\$
1229-04-23 Parcel 55	\$	\$
1229-04-24 Parcel 3	\$	\$
1229-04-24 Parcel 8	\$	\$
<b>Option A Total:</b>	\$	////////////////////////////////////
	<b>Option B Total:</b>	\$
	<b>Total Bid or Combined Net Bid</b>	\$

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 <b>Licensed Asbestos Abatement Subcontractor</b> to perform the required asbestos removal under this Contract:
<b>Name:</b>
<b>Address:</b>
<b>Phone:</b>

**PLEASE ATTACH ADDENDA HERE**

NOT FOR BIDDING PURPOSES