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 1, 12	I-43 North South Freeway Silver Spring to STH 60	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, $ 20,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty.
Bid submittal due Date: May 4, 2022 Time (local time): 9:00 AM	Firm name, address, city, state, zip
Contract completion time Thirty (30) 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)

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

(Date Commission Expires)

Notary Seal

(Bidder Signature)

(Print or Type Bidder Name)

(Bidder Title)

For Department Use Only

Type of Work **Razing and Removing**	
Notice of award dated	Date guaranty returned

PLEASE ATTACH
PROPOSAL GUARANTY HERE

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

Wisconsin Department of Transportation

DT1303 1/2006

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)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

Wisconsin Department of Transportation

DT1305 8/2003

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)

March 2010

LIST OF SUBCONTRACTORS

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

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

Name of Subcontractor	Class of Work	Estimated Value

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:

1229-04-21, Parcels 1 and 12; I-43 North South Freeway; Silver Spring to STH 60; 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 2022 Edition is available for browsing, download, or to place an order for a hard copy at:

http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/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:

Project	Parcel	Type of Building	Address
1229-04-21	1	Razing and removing a 3,840 SF commercial building which includes an 1,185 SF concrete storage building. 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.	6260 N. Port Washington Road, Glendale, WI 53217

Utility disconnects should be

done prior by WisDOT.

1229-04-21	12	Razing and removing a Two story, 2,268 SF single family house with a three-car detached garage, miscellaneous fire damaged dilapidated outbuildings, above ground storage tank for oil heat, in-ground pool, concrete patios, concrete/asphalt driveway, well, 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. Utility disconnects shall be done prior by WisDOT.	645 W. Good Hope Road, River Hills, WI 53217

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. 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.

4. 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.
5. Site restoration: A minimum of 5 inches of clear topsoil shall cover all backfill. 70% vegetation coverage on the site within 90 days of completion of demolition shall be established prior to the removal of erosion control materials.

3. Prosecution and Progress.

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

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

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

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

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

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

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

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

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

4. Proposal Requirements and Conditions.

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

5. Subletting or Assignment of Contract.

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

6. Award of Contract.

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

7. Cancellation of Contract.

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

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

8. Standard Insurance Requirements.

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

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

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

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

9. Traffic.

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

10. Legal Relations and Responsibility to the Public.

Add the following to standard spec 107.3:

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

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

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

Add the following to standard spec 107.8:

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

Add the following to standard spec 107.22:

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

11. Protection of Streams, Lakes and Reservoirs.

Standard spec 107.18 shall apply.

12. Underground Fuel Storage Tanks.

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

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

13. Asbestos Removal.

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

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

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

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

14. Notice to Department of Natural Resources.

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

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

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

Reference: **http://dhs.wisconsin.gov/waldo**

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

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

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

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

15. Disposal of Materials.

Add the following to standard spec 104.8:

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

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

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

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

16. Custody of the Building.

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

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

17. Removing Buildings.

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

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

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

18. Removal and Razing Operations.

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

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

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

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

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

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

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

All hazardous waste, lamps, ballasts, or mercury containing items must be disposed of through the mandatory statewide hazardous waste contract. Follow the procedures in FDM 21-35-35. https://wisconsindot.gov/rdwy/fdm/fd-21-35.pdf#fd21-35-35 Contact information for the hazardous waste disposal vendor is found here: https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/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.

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

Make the following revisions to the standard specifications:

415.3.16 Tolerance in Pavement Thickness

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

415.3.16.1 General

(1) Construct the plan thickness or thicker. The department will accept pavement thickness based on the results of department-performed acceptance testing conforming to:

Magnetic Pulse Induction .....CMM 870: ASTM E3209 WTM
Probing.....CMM 870: WTP C-002
Preplacement Measurement .....CMM 870: WTP C-003

415.3.16.2 Pavement Units

415.3.16.2.1 Basic Units

(1) Basic unit is defined as a slip formed, single lane, with a minimum lane width of 10 feet, measured, from the pavement edge to the adjacent longitudinal joint; from one longitudinal joint to the next; or between pavement edges if there is no longitudinal joint.

415.3.16.2.2 Special Units

(2) Establish special units for areas of fillets, intersections, gaps, gores, shoulders, ramps, pavement lanes less than 10 feet wide and other areas not included in basic units.

415.3.16.3 Test Plate Locations

(1) Place department-furnished test plates. Within 5 business days after paving, enter the sequential number and associated position data into MRS available at:

http://www.atwoodsystems.com/

(2) Contractor will maintain plate location markings for 10 business days after paving.

415.3.16.4 Acceptance Testing

415.3.16.4.1 Basic Units

415.3.16.4.1.2 Magnetic Pulse Induction

(1) The department will measure thickness within 10 business days of paving. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.

(2) Department will establish a project reference plate at the start of each paving stage. Project reference plate will be measured before each day of testing. Department will notify the contractor of project reference plate locations before testing.

(3) If the random plate test result falls within 80 to 50 percent pay range specified in 415.5.2, the department will measure the second plate in that unit. The department will notify the contractor immediately if the average of the 6 readings falls within the 80 to 50 percent pay range.

(4) If an individual random plate test result is more than 1 inch thinner than contract plan thickness, the pavement is unacceptable. Department will determine limits of unacceptable pavement by performing the following:

- The engineer will test each consecutive plate stationed ahead and behind until the thickness test result is plan thickness or greater.
- The engineer will direct the contractor to core the hardened concrete to determine the extent of the unacceptable area. In each direction, the contractor shall take cores at points approximately 20 feet from the furthest out of specification plate towards the plate that is plan thickness of greater. Once a core is within 80 to 100 percent pay range, the coring is complete and the limits of unacceptable pavement extend from the stationing between the core test results of 80 to 100 percent payment, inclusive of all unacceptable core and plate test results.
- The contractor shall perform coring according to AASHTO T24. The department will evaluate the results according to AASHTO T148
- The contractor shall fill core holes with concrete or mortar.

415.3.16.4.2 Special Units

415.3.16.4.2.1 Magnetic Pulse Induction

(1) The department will measure thickness within 10 business days of paving. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.

(2) Department will establish a project reference plate at the start of each paving stage. Project reference plate will be measured before each day of testing. Department will notify the contractor of project reference plate locations before testing.

(3) If the random plate test result falls within 80 to 50 percent pay range specified in 415.5.2, the department will measure the second plate in that unit. The department will notify the contractor immediately if the average of the 6 readings falls within the 80 to 50 percent pay range.

(4) If an individual random plate test result is more than 1 inch thinner than contract plan thickness, the department will measure the second plate in that unit. If both plates are required to be measured, then all six thickness measurements will be averaged for that unit. If the average of the six measurements is more than 1 inch thinner than contract plan thickness, the pavement is unacceptable.

415.3.16.4.2.2 Probing

(1) The department will measure slip form special units during concrete placement. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.

(2) Department will probe 2 random locations within the special unit. The average of the two readings will be the reported measurement for the special unit.

415.3.16.4.2.3 Preplacement Measurement

(1) The department will measure non-slip form special units before concrete placement.

(2) Thickness corrections will be made to a conforming thickness by reshaping the base aggregate before the pavement is placed.

415.5.2 Adjusting Pay for Thickness

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

(1) The department will adjust pay for pavement thickness under the Nonconforming Thickness Concrete Pavement administrative item as follows:

FOR PAVEMENT THINNER THAN PLAN THICKNESS BY:	PERCENT OF THE CONTRACT UNIT PRICE
> 1/4 inch but <= 1/2 inch	80
> 1/2 inch but <= 3/4 inch	60
> 3/4 inch but <= 1 inch	50

(2) When pavement of unacceptable final thickness is determined, as specified in 415.3.16.4, the department will direct the contractor to either:

1. Remove and replace unacceptable concrete pavement to the nearest joint with new concrete pavement of conforming thickness. The department will pay once for the area at the full contract price.
2. If the unacceptable pavement is less than 100 LF, the department may allow the concrete to remain in place without payment for the unacceptable area.

460.2.6 Recovered Asphaltic Binders

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

(2) The contractor may replace virgin binder with recovered binder up to the maximum percentage allowed under 460.2.5 without further testing. When the design percent asphalt binder replaced exceeds the allowable limits in 460.2.5, the contractor must:

- Document adjustments made to the mix design in the mix design submittal.
- Submit test results that indicate the mixture's asphaltic binder meets or exceeds the upper and lower temperature grade requirements the bid item designates.
    - If only one recycled asphaltic material source is used, furnish one of the following:
        - Test results from extracted and recovered binder from the resultant mixture.
        - Blending charts that indicate the resultant mixture's high and low temperature PG as an interpolation of the percent binder replaced between the virgin binder's and the recycled asphaltic material source binder's high and low temperature PG.
    - If two or more recycled asphaltic material sources are used, furnish test results from extracted and

recovered binder from the resultant mixture.

501.2.6 Water

Retitle with the following effective with the November 2021 letting:

501.2.6 Mixing Water

501.2.6.2 Requirements

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

(2) Water from other sources must comply with the following:

Acidity, maximum of 0.1N NaOH to neutralize 200 mL of water; CMM 870: WTP C-001	2 mL
Alkalinity, maximum of 0.1N HCL to neutralize 200 mL of water; CMM 870: WTP C-001	15 mL
Maximum sulphate (SO_4); CMM 870: WTP C-001	0.05 percent
Maximum chloride; CMM 870: WTP C-001	0.10 percent
Maximum total solids; CMM 870: WTP C-001	
Organic	0.04 percent
Inorganic	0.15 percent

501.3.2.4.2 Air Entrainment

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

(2) Test fresh concrete air content according to AASHTO T152 or AASHTO TP118 at the contract-required frequency and as the engineer directs. Test concrete placed by pumping or belting at the point of discharge from the pump line or belt.

501.3.7.1 Slump

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

(1) Use a 1-inch to 4-inch slump for concrete used in structures or placed in forms, except as follows:

- Do not exceed a slump of 2 inches for grade E concrete.
- Increase slump as specified in 502.3.5.3 for concrete placed underwater.
- If BTS approves a concrete mixture using a superplasticizer, the contractor may increase slump for that mixture to a maximum of 9 inches without exceeding the maximum mix water allowed for that grade.

531.5 Payment

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

(2) Payment for Concrete Masonry Ancillary Structures Type NS is full compensation for providing concrete for non-standard sign structure foundations; and for anchor rod assemblies. The department will pay separately for excavating and backfilling drilled shafts under the Drilling Shafts bid items.

Replace paragraph five with the following effective with the November 2021 letting:

(5) Payment for the Foundation bid items is full compensation for providing concrete foundations; for anchor rod assemblies; for reinforcing steel; and for embedded conduit and electrical components. The department will pay separately for excavating and backfilling drilled shafts under the Drilling Shafts bid items.

642.2.2.1 General

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

(1) Provide each field office with two rooms, separated by an interior door with a padlock. Ensure that each room has a separate exterior door and its own air conditioner. Locate the office where a quality internet connection can be achieved. Ensure quality cell phone reception is achievable inside the field office.

701.3.1 General

Replace table 701-1 with the following effective with the November 2021 letting:

TABLE 701-1 TESTING AND CERTIFICATION STANDARDS

TEST	TEST STANDARD	MINIMUM REQUIRED CERTIFICATION (any one of the certifications listed for each test)
Random Sampling	CMM 830.9.2	Transportation Materials Sampling Technician (TMS) TMS Assistant Certified Technician (ACT-TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) PCC Technician I (PCCTEC-I) PCCTEC-I Assistant Certified Technician (ACT-PCC) Grading Technician I (GRADINGTEC-I) Grading Assistant Certified Technician (ACT-GRADING)
Sampling Aggregates	AASHTO T2[1] [4]	TMS, ACT-TMS, AGGTECT-1, ACT-AGG
Percent passing the No. 200 sieve	AASHTO T11[1]	AGGTEC-I, ACT-AGG
Fine & coarse aggregate gradation	AASHTO T27[1]	
Aggregate moisture content	AASHTO T255[1]	
Fractured faces	ASTM D5821[1]	
Liquid limit	AASHTO T89	Aggregate Testing for Transportation Systems (ATTS) GRADINGTEC-I, or ACT-GRADING
Plasticity index	AASHTO T90[3]	
Sampling freshly mixed concrete	AASHTO R60	PCCTEC-1 ACT-PCC
Air content of fresh concrete	AASHTO T152[2] AASHTO TP118[5]	
Air void system of fresh concrete	AASHTO TP118[5]	
Concrete slump	AASHTO T119[2]	
Concrete temperature	ASTM C1064	
Making and curing concrete specimens	AASHTO T23	
Moist curing for concrete specimens	AASHTO M201	
Concrete compressive strength	AASHTO T22	Concrete Strength Tester (CST) CST Assistant Certified Technician (ACT-CST)
Concrete flexural strength	AASHTO T97	
Concrete surface resistivity[2]	AASHTO T358	
Voids in aggregate	AASHTO T19	PCCTEC-II
Profiling	—	PROFILER

[1] As modified in CMM 860.

[2] As modified in CMM 870.

[3] A plasticity check, if required under individual QMP specifications, may be performed by an AGGTEC-I in addition to the certifications listed for liquid limit and plasticity index tests.

[4] Plant personnel may operate equipment to obtain samples under the direct observation of a TMS or higher.

[5] Consolidate by rodding.

710.2 Small Quantities

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

(1) The department defines small quantities as follows:

- As specified in 715.1.1.2 for class I concrete.
- Less than 50 cubic yards of class II ancillary concrete placed under a single bid item.

(2) For contracts with only small quantities of material subject to testing, 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. Provide one of the following for aggregate process control:
   - Documented previous testing dated within 120 calendar days. Provide gradation test results to the engineer before placing material.
   - Non-random start-up gradation testing.

710.4 Concrete Mixes

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

(2) At least 7 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, air content, and SAM number.
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 aggregate production records dated within 2 years if using those results in the design. Submit component aggregate gradations, aggregate proportions, and target combined blended aggregate gradations using the following:
    - DT2220 for combined aggregate gradations.
    - DT2221 for optimized aggregate gradations.
4. For optimized concrete mixtures:
    - Complete the worksheets within DT2221 according to the directions.
    - Ensure the optimized aggregate gradations and the optimized mix design conform to WisDOT specifications and pass the built-in tests within DT2221.
    - Verify slip-form mixture workability according to AASHTO TP137 and conformance to specifications through required trial batching.
    - Submit the completed DT2221 to the engineer electronically. Include the trial batch test results with the mix design submittal.

Replace paragraph four with the following effective with the November 2021 letting:

(4) Prepare and submit modifications to a concrete mix to the engineer for approval 3 business days before using that modified mix. Modifications requiring the engineer's approval include changes in:

1. Source of any material. For paving and barrier mixes, a source change for fly ash of the same class does not constitute a mix design change.
2. Quantities of cementitious materials.
3. Addition or deletion of admixtures. Minor admixture dosage adjustments required to maintain air content or slump do not require engineer review or approval.

710.5.5 Strength

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

(1) Cast all 6" x 12" cylinders or all 6" x 6" x 21" beams in a set from the same sample. Do not cast more than one set of specimens from a single truckload of concrete. Mark each specimen to identify the lot and sublot or location on the project it represents.

710.5.6 Aggregate Testing

Retitle and replace the entire text with the following effective with the November 2021 letting:

710.5.6 Aggregate Testing During Concrete Production

710.5.6.1 General

(1) The department will accept gradation based on the results of department-performed acceptance testing.

(2) The department and contractor will obtain samples using the same method. When belt sampling, contractor personnel shall obtain samples for the department under the direct observation of the department personnel. Contractor will define sampling method in the QMP or abbreviated QMP.

710.5.6.2 Contractor Control Charts

710.5.6.2.1 General

(1) Test aggregate gradations during concrete production except as allowed for small quantities under 710.2. Required contractor testing will be performed using non-random samples.

(2) Sample aggregates from either the conveyor belt or from the working face of the stockpiles.

(3) Sample aggregates within 2 business days before placement for each mix design. Include this gradation on the control charts.

(4) Report gradation test results and provide control charts to the engineer within 1 business day of obtaining the sample. Submit results to the engineer and electronically into MRS as specified in 701.1.2.7.

(5) Conduct aggregate testing at the minimum frequency shown based on the anticipated daily cumulative plant production for each mix design. The contractor's concrete production tests can be used for the same mix design on multiple contracts.

TABLE 710-1 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS I

DAILY PLANT PRODUCTION RATE FOR WisDOT WORK	MINIMUM FREQUENCY
Gradation Report Before Placement	
1000 cubic yards or less	one test per day
more than 1000 cubic yards	two tests per day

TABLE 710-2 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS II

MINIMUM FREQUENCY
Gradation Report Before Placement
One test per calendar week of production

710.5.6.2.2 Optimized Aggregate Gradation Control Charts

(1) Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the following:

- 1 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.
- Sum of volumetric percentages retained on No. 8, No. 16, and No. 30 sieves.
- Sum of volumetric percentages retained on No. 30, No. 50, No. 100, and No. 200 sieves.

(2) Calculate blended aggregate gradations using the mix design batch percentages for the component aggregates. Ensure the blended aggregate gradation conforms to the volumetric percent retained of the optimized aggregate gradation limits specified in table 501-4.

(3) Throughout the contract, construct a 4-point running average of the volumetric percent retained for each sieve to determine if the blended aggregate gradation is within the tarantula curve limits specified in table 501-4.

710.5.6.2.3 Combined Aggregate Gradation Control Charts

(1) 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.

(2) Calculate blended aggregate gradations using the mix design batch percentages for the component aggregates. Ensure the blended aggregate gradation conforms to the percent passing by weight requirements of the combined aggregate gradation limits specified in table 501-4.

(3) Throughout the contract, construct a 4-point running average of the percent passing by weight for each sieve to determine if the blended aggregate gradation is within the combined aggregate gradation limits specified in table 501-4.

710.5.6.3 Department Acceptance Testing

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

(2) The department will split each sample, test for acceptance, and retain the remainder for a minimum of 10 calendar days.

(3) The department will obtain the sample and deliver to regional testing lab in the same day. Department will report gradation test results to the contractor within 1 business day of being delivered to the lab. Department and contractor can agree to an alternative test result reporting timeframe; alternative timeframe is required to be documented in the QMP.

(4) Additional samples may be taken at the engineer's discretion due to change in condition.

TABLE 710-3 DEPARTMENT GRADATION TESTING FREQUENCY

CONCRETE CLASSIFICATION	MINIMUM DEPARTMENT FREQUENCY
Class I: Pavement	1 test per placement day for first 5 days of placement. If all samples are passing, reduced frequency is applied.
	Reduced frequency: 1 test per calendar week of placement
Class I: Structures	1 test per 250 CY placed - Minimum of 1 test per substructure - Minimum of 1 test per superstructure

Class I: Cast-in-Place Barrier	1 test per 500 CY placed
Class II	No minimum testing

710.5.7 Corrective Action

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

710.5.7.1 Optimized Aggregate Gradations

(1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size, do the following:

1. Notify the other party immediately.
2. Perform corrective action documented in the QC plan or as the engineer approves.
3. Document and provide corrective action results to the engineer as soon as they are available.
4. Department will conduct two tests within the next business day after corrective action is complete.
5. If blended aggregate gradations are within the tarantula curve limits by the second department test:
   - Continue with concrete production.
   - Contractor will include a break in the 4-point running average.
   - For Class I: Pavements, department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
6. If blended aggregate gradations are not within the tarantula curve limits by the second department test:
   - Provide a new mix design with an increased cementitious content.
   - If the mix design already has a cementitious content of 565 or more pounds per cubic yard, provide a new mix design.
   - If the contract requires optimized aggregate gradations under 501.2.7.4.2.1(2), stop concrete production and submit a new mix design.

(2) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by more than 1.0 percent on one or more sieves, stop concrete production and submit a new mix design.

(3) Department and contractor will sample and test aggregate of the new mix design at the frequency defined in 710.5.6.1.

710.5.7.2 Combined Aggregate Gradations

(1) If the contractor's 4-point running average or a department test result of the percent passing by weight exceeds the combined aggregate gradation limits by less than or equal to 1.0 percent on a single sieve size, do the following:

1. Notify the other party immediately.
2. Perform corrective action documented in the QC plan or as the engineer approves.
3. Document and provide corrective action results to the engineer as soon as they are available.
4. Department will conduct two tests within the next business day after corrective action is complete.
5. If blended aggregate gradations are within the combined aggregate gradation limits by the second department test:
   - Continue with concrete production.
   - Contractor will include a break in the 4-point running average.
   - For Class I: Pavements, department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
6. If blended aggregate gradations are not within the combined aggregate gradation limits by the second department test, stop concrete production and submit a new mix design.

(2) If the contractor's 4-point running average or a department test result of the percent passing by weight exceeds the combined aggregate gradation limits by more than 1.0 percent on one or more sieves, stop concrete production and submit a new mix design.

(3) Department and contractor will sample and test aggregate of the new mix design at the frequency defined in 710.5.6.1.

715.3.1.1 General

Replace paragraphs three and four with the following effective with the November 2021 letting:

(3) Cast a set of 3 additional 6"x12" cylinders and test the concrete surface resistivity according to AASHTO T358. Perform this testing at least once per lot if total contract quantities are greater than or equal to the following:

- 20,000 square yards for pavements.
- 5,000 linear feet for barriers.
- 500 cubic yards for structure concrete.

Submit the resistivity to the nearest tenth into MRS for information only. Resistivity testing is not required for the following:

- Lot with less than 3 sublots.
- Concrete items classified as ancillary.
- Concrete placed under the following bid items:
  - Concrete Pavement Approach Slab
  - Concrete Masonry Culverts
  - Concrete Masonry Retaining Walls

(4) Test the air void system at least once per lot and enter the SAM number in MRS for information only. SAM testing is not required for the following:

- For lots with less than 3 sublots.
- High early strength (HES) concrete.
- Special high early strength (SHES) concrete.
- Concrete placed under the following bid items:
  - Concrete Pavement Approach Slab
  - Concrete Masonry Culverts
  - Concrete Masonry Retaining Walls
  - Steel Grid Floor Concrete Filled
  - Crash Cushions Permanent
  - Crash Cushions Permanent Low Maintenance
  - Crash Cushions Temporary

715.3.1.2.3 Lots by Cubic Yard

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

(1) Define standard lots and sublots conforming to the following:

TABLE 715-1 CLASS I - LOT AND SUBLOT SIZES

CONCRETE CLASSIFICATION	LOT SIZE	SUBLOT SIZE	NUMBER OF SUBLOTS PER LOT
Class I: Pavement	1250 cubic yards	250 cubic yards	5
Class I: Structures	250 cubic yards	50 cubic yards	5
Class I: Cast-in-Place Barrier	500 cubic yards	100 cubic yards	5

(2) The contractor may include sublots less than or equal to 25 percent of the standard volume in the previous sublot. For partial sublots exceeding 25 percent of the standard volume, notify the engineer who will direct additional testing to represent that partial sublot.

(3) An undersized lot is eligible for incentive payment under 715.5 if the lot has 3 or more sublots for that lot.

715.3.2 Strength Evaluation

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

715.3.2.1 General

(1) The department will make pay adjustments for strength on a lot-by-lot basis using the compressive strength of contractor QC cylinders or the flexural strength of contractor QC beams.

(2) Randomly select 2 QC specimens to test at 28 days for percent within limits (PWL). Compare the strengths of the 2 randomly selected QC specimens and determine the 28-day sublot average strength as follows:

- If the lower strength divided by the higher strength is 0.9 or more, average the 2 QC specimens.
- If the lower strength divided by the higher strength is less than 0.9, break one additional specimen and average the 2 higher strength specimens.

715.3.2.2 Removal and Replacement

715.3.2.2.1 Pavement

(1) If a sublot strength is less than 2500 psi in compressive strength or 500 psi in flexural strength, the department may direct the contractor to core that sublot to determine its structural adequacy and whether to direct removal.

(2) If the engineer directs coring, obtain three cores from the sublot in question. Have an HTCP-certified PCC technician I perform or observe core sampling according to AASHTO T24.

(3) Have an independent consultant test cores according to AASHTO T24.

(4) The department will assess concrete for removal and replacement based on a sublot-by-sublot analysis of core strength. Perform coring and testing, fill core holes with an engineer-approved non-shrink grout or concrete, and provide traffic control during coring.

(5) The sublot pavement is conforming if the compressive strengths of all cores from the sublot are 2500 psi or greater.

(6) The sublot pavement is nonconforming if the compressive strengths of any core from the sublot is less than 2500 psi. The department may direct removal and replacement or otherwise determine the final disposition of nonconforming material as specified in 106.5.

715.3.2.2.2 Structures and Cast-in-Place Barrier

(1) The department will evaluate the sublot for possible removal and replacement if the 28-day sublot average compressive strength is lower than f'c minus 500 psi. The value of f'c is the design stress the plans show. The department may assess further strength price reductions or require removal and replacement only after coring the sublot.

(2) The engineer may initially evaluate the sublot strength using a non-destructive method. Based on the results of non-destructive testing, the department may accept the sublot at the previously determined pay for the lot, or direct the contractor to core the sublot.

(3) If the engineer directs coring, obtain three cores from the sublot in question. Have an HTCP-certified PCC technician I perform or observe core sampling according to AASHTO T24. Determine core locations, subject to the engineer's approval, that do not interfere with structural steel.

(4) Have an independent consultant test cores according to AASHTO T24.

(5) The department will assess concrete for removal and replacement based on a sublot-by-sublot analysis of core strength. Perform coring and testing, fill core holes with an engineer-approved non-shrink grout or concrete, and provide traffic control during coring.

(6) If the 3-core average is greater than or equal to 85 percent of f'c, and no individual core is less than 75 percent of f'c, the engineer will accept the sublot at the previously determined pay for the lot. If the 3-core average is less than 85 percent of f'c, or an individual core is less than 75 percent of f'c, the engineer may require the contractor to remove and replace the sublot. The department may direct removal and replacement or otherwise determine the final disposition of nonconforming material as specified in 106.5.

715.3.3 Aggregate

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

715.3.3.1 General

(1) Except as allowed for small quantities in 710.2, test aggregate conforming to 710.5.6.

715.3.3.2 Structures

(1) In addition to the aggregate testing required under 710.5.6, determine the fine and coarse aggregate moisture content for each sample.

(2) Calculate target batch weights for each mix when production of that mix begins. Whenever the moisture content of the fine or coarse aggregate changes by more than 0.5 percent, adjust the batch weights to maintain the design w/cm ratio.

715.5 Payment

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

715.5.1 General

(1) The department will pay incentive for compressive strength under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
715.0502	Incentive Strength Concrete Structures	DOL
715.0603	Incentive Strength Concrete Barrier	DOL
715.0715	Incentive Flexural Strength Concrete Pavement	DOL
715.0720	Incentive Compressive Strength Concrete Pavement	DOL

(2) Incentive payment may be more or less than the amount the schedule of items shows.

(3) The department will administer disincentives for strength under the Disincentive Strength Concrete Structures, Disincentive Strength Concrete Barrier, Disincentive Flexural Strength Concrete Pavement, and Disincentive Compressive Strength Concrete Pavement, administrative items.

(4) The pay factor that is calculated from the equations in 715.5.2(2) and 715.5.3(2) will be applied to the unit costs listed below:

- Pavement: $45 per SY.
- Structure: $635 per CY.
- Cast-in-place barrier: $75 per LF.

(5) 28-day strength average for a lot is the average of the individual sublot strengths within the given lot.

(6) The department will not pay a strength incentive for concrete that is nonconforming in another specified property, for ancillary concrete accepted based on tests of class I concrete, or for high early strength concrete unless placed in pavement gaps as allowed under 715.3.1.2.2.

(7) Submit test results to the department electronically using MRS software. The department will validate contractor data before determining pay adjustments.

(8) All coring and testing costs under 715.3.2.2 including filling core holes and providing traffic control during coring are incidental to the contract.

715.5.2 Compressive Strength

(1) The department will measure PWL relative to strength lower specification limits as follows:

- Compressive strength of 3700 psi for pavements.
- Compressive strength of 4000 psi for structures and cast-in-place barrier.

(2) The department will adjust pay for each lot using equation "Comp2022" as follows:

Percent within Limits (PWL)	Pay Factor (%)
>= 90 to 100	(1/5 x PWL) + 82
>= 85 to < 90	100
>= 50 to < 85	(5/7 x PWL) + (275/7)
< 50	50[1]

[1] Any material resulting in a lot PWL value less than 50 will be evaluated according to 715.3.2. In the event the material remains in place, it will be paid at 50 percent of the contract unit price of the concrete bid item.

(3) The department will not pay incentive if the lot standard deviation is greater than the following:

- 400 psi for pavement.
- 350 psi for structure and cast-in-place barrier

(4) For lots with less than 3 sublots, there is no incentive but the department will reduce pay by 50 percent of the contract unit price for sublots with an average compressive strength below the following:

- 3700 psi for pavements.
- 4000 psi for structures and cast-in-place barrier.

715.5.3 Flexural Strength

(1) The department will measure PWL relative to strength lower specification limits as follows:

- Flexural strength of 650 psi for pavements.

(2) The department will adjust pay for each lot using equation "Flex2022" as follows:

Percent within Limits (PWL)	Pay Factor (%)
>= 90 to 100	(2/5 x PWL) + 64
>= 85 to < 90	100

>= 50 to < 85	(5/7 x PWL) + (275/7)
< 50	50[1]

[1] Material resulting in a lot PWL value less than 50 will be evaluated according to 715.3.2. In the event the material remains in place, it will be paid at 50 percent of the contract unit price of the concrete bid item.

(3) The department will not pay incentive if the lot standard deviation is greater than 60 psi.

(4) For lots with less than 3 sublots, there is no incentive but the department will reduce pay by 50 percent of the contract unit price for sublots with an average flexural strength below 650 psi.

460.2.2.3 Aggregate Gradation Master Range

Correct errata by adding US Standard equivalent sieve sizes.

(1) Ensure that the aggregate blend, including recycled material and mineral filler, conforms to the gradation requirements in table 460-1. The values listed are design limits; production values may exceed those limits.

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENT PASSING DESIGNATED SIEVES							
	NOMINAL SIZE							
	No. 1 (37.5 mm) (1 1/2 inch)	No. 2 (25.0 mm) (1 inch)	No.3 (19.0 mm) (3/4 inch)	No. 4 (12.5 mm) (1/2 inch)	No. 5 (9.5 mm) (3/8 inch)	No. 6 (4.75 mm) (3/16 inch)	SMA No. 4 (12.5 mm) (1/2 inch)	SMA No. 5 (9.5 mm) (3/8 inch)
50.0-mm (2-inch)	100							
37.5-mm (1 1/2-inch)	90 - 100	100						
25.0-mm (1-inch)	90 max	90 - 100	100					
19.0-mm (3/4-inch)	___	90 max	90 - 100	100			100	
12.5-mm (1/2-inch)	___	___	90 max	90 - 100	100		90 - 97	100
9.5-mm (3/8-inch)	___	___	___	90 max	90 - 100	100	58 - 80	90 - 100
4.75-mm (No. 4)	___	___	___	___	90 max	90 - 100	25 - 35	35 - 45
2.36-mm (No. 8)	15 - 41	19 - 45	23 - 49	28 - 58	32 - 67	90 max	15 - 25	18 - 28
1.18-mm (No. 16)	___	___	___	___	___	30 - 55	___	___
0.60-mm (No. 30)	___	___	___	___	___	___	18 max	18 max
0.075-mm (No. 200)	0 - 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	6.0 - 13.0	8.0 - 11.0	8.0 - 12.0
% VMA	11.0 min	12.0 min	13.0 min	14.0 min[1]	15.0 min[2]	16.0 - 17.5	16.0 min	17.0 min

[1] 14.5 for LT and MT mixes.

[2] 15.5 for LT and MT mixes.

715.5.1 General

Correct the bid item number for Incentive Compressive Strength Concrete Pavement.

(1) The department will pay incentive for compressive strength under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
715.0502	Incentive Strength Concrete Structures	DOL
715.0603	Incentive Strength Concrete Barrier	DOL
715.0715	Incentive Flexural Strength Concrete Pavement	DOL
715.0720	Incentive Compressive Strength Concrete Pavement	DOL

Non-discrimination Provisions

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

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

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

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

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

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

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

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

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

Pertinent Non-Discrimination Authorities:

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

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

Effective November 2020 letting

BUY AMERICA PROVISION

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

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

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

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

Exhibits

ID 1229-04-21 #1

Removal, Grading, Backfill

Site Diagram

Photos
*Taken from appraisal done by Metropolitan Appraisals

Location Map

City of Glendale Requirement Letter

Asbestos Inspection and Abatement Report

REMOVE: Razing and removing a 3,840 SF commercial building which includes an 1,185 SF concrete storage building. 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.

Utility disconnects shall be done prior by WisDOT.

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

ID 1229-04-21 Parcel 1, 6260 N. Port Washington Road, Glendale, WI

EXTERIOR PHOTOS OF THE SUBJECT

1.) View facing northeast

2.) View facing southeast

3.) View facing southwest

4.) View facing north

5.) View facing northeast

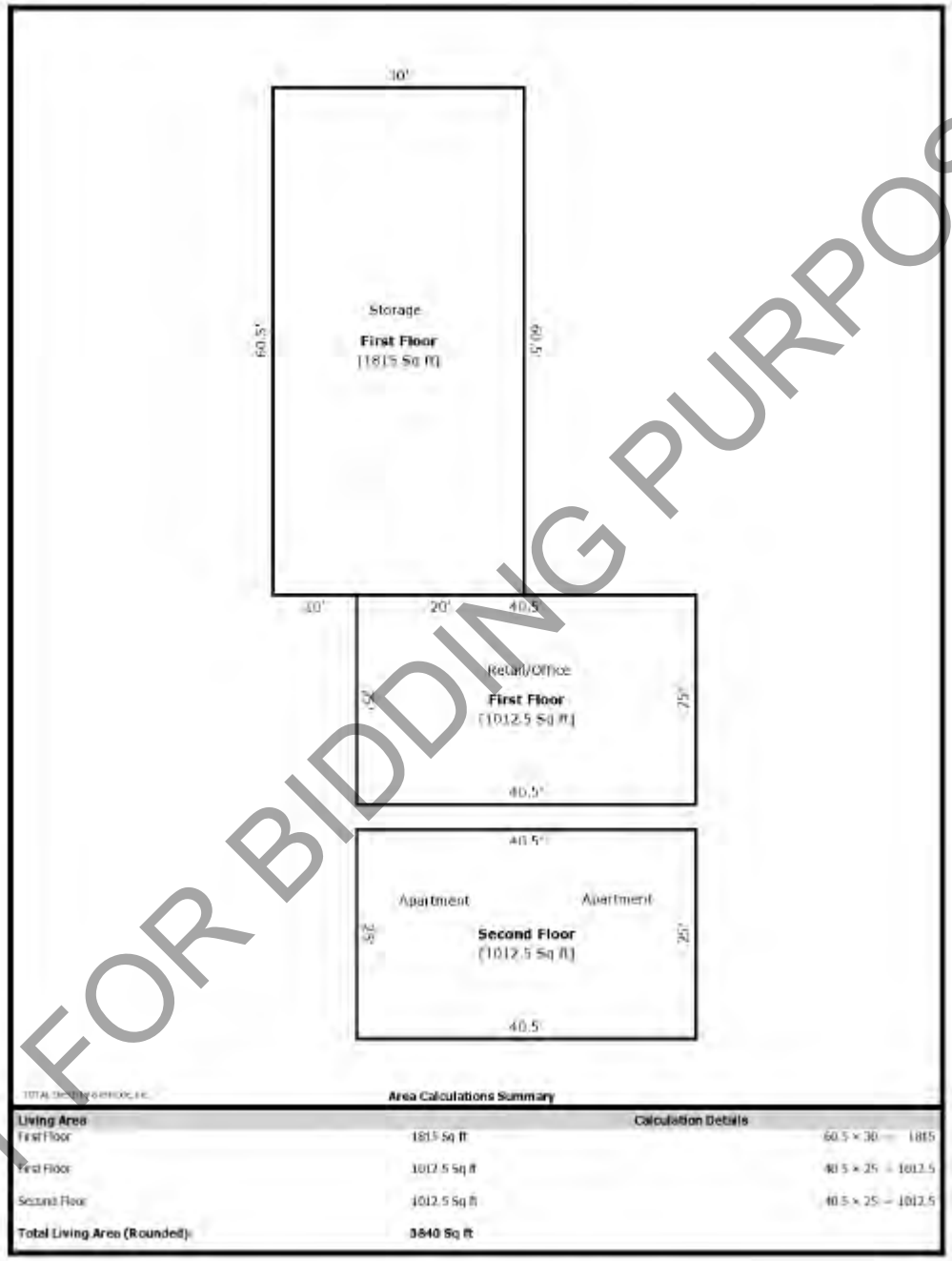
6.) View facing northwest

DESCRIPTION OF THE IMPROVEMENTS

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

Year Built:	1940
Gross Building Area:	3,840 square feet (appraiser measurement)
Retail/Office:	1,012.5 square feet
Storage:	1,185 square feet
Efficiency Apartments:	1,012.5 square feet
Foundation:	Main Building: Concrete block Storage Building: Concrete slab on grade, concrete footings
Construction:	Main Building: Wood frame, brick exterior Storage Building: concrete block
Flooring:	Carpet, tile
Roof:	Asphalt Shingle
HVAC:	Main Building: Oil-fired boiler, no central air Storage Building: Gas furnace, central air
Plumbing:	Elec water heater, restroom in storage building
Electrical:	Adequate for use
Lighting:	Fluorescent
Sprinklers:	None
Efficiency apartment units:	Approximately 506 square feet per unit. Built-in cabinetry, updated carpet, updated vinyl flooring, double hung windows, updated tub/shower tile surround, new oven and fridge, fresh paint
Condition:	Average
Functional Utility:	Average
Land-to-Building Ratio:	4.22
Site Improvements:	Asphalt, Concrete

BUILDING SKETCH



Area Calculations Summary

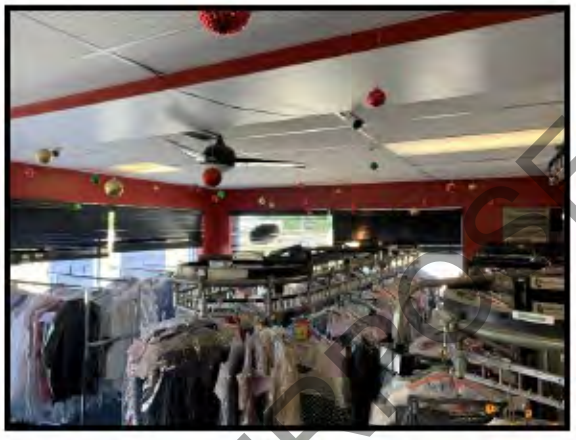
Living Area		Calculation Details
First Floor	1815 Sq ft	60.5 × 30 = 1815
First Floor	1012.5 Sq ft	40.5 × 25 = 1012.5
Second Floor	1012.5 Sq ft	40.5 × 25 = 1012.5
Total Living Area (Rounded):	**3840 Sq ft**	

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

ID 1229-04-21 Parcel 1, 6260 N. Port Washington Road, Glendale, WI

INTERIOR PHOTOS OF THE SUBJECT

1.) Retail

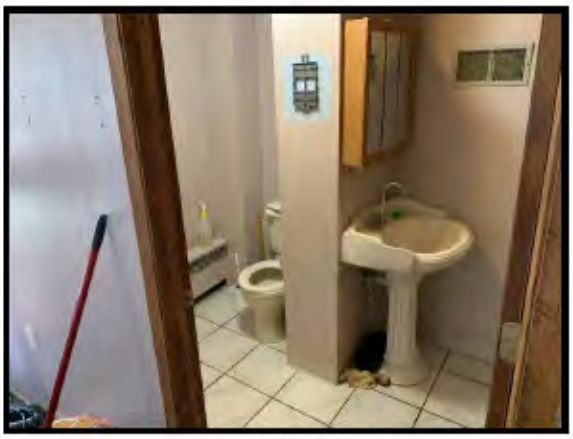


2.) Retail

3.) Retail

4.) Retail office

5.) Storage building



6.) Storage building bathroom

7.) Storage building

8.) Storage building

9.) Apartment

10.) Apartment bathroom

11.) Apartment bathroom

12.) Apartment kitchen

LOCATION MAP

ID 1229-04-21 Parcel 1, 6260 N. Port Washington Road, Glendale, WI

Asbestos-Containing Material and Pre-Demolition Reconnaissance

6260 N. Port Washington Road (Parcel 1), Glendale, Milwaukee County, Wisconsin

March 2022

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, AII-252595

John Roelke
WDHFS Asbestos Inspector, AII-119523

Daniel Haak, P.E.
Project Manager

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APPENDICES

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
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 6260 N. Port Washington Road (Parcel 1) in Glendale, Milwaukee County, Wisconsin. The property contains a 2-story 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 10 lin ft of black caulk/sealant around base of chimney
- Approximately 10 lin ft of silver sealant around base of chimney
- Approximately 100 lin ft of black caulk/sealant along edges of upper and lower roofs

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 6260 N. Port Washington Road (Parcel 1) in Glendale, Milwaukee County, Wisconsin. The property contains a 2-story 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 February 10, 2022, 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 February 10, 2022. 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 122 samples were collected during the February sampling event and analyzed for the presence of ACM. Materials sampled included: shingles, underlayment, caulk, sealant, vinyl floor tiles, adhesive, laminate counter top, carpet with backing, carpet padding, drop ceiling tiles, drywall, cement board, rubber base trim, mastic, ceramic tile, grout, window glazing, porcelain tiles, and glass tiles. 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 10 lin ft of black caulk/sealant around base of chimney
- Approximately 10 lin ft of silver sealant around base of chimney
- Approximately 100 lin ft of black caulk/sealant along edges of upper and lower roofs

3.0 ACM Abatement

3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 10 lin ft of black caulk/sealant around base of chimney
- Approximately 10 lin ft of silver sealant around base of chimney
- Approximately 100 lin ft of black caulk/sealant along edges of upper and lower roofs

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 10 lin ft of black caulk/sealant around base of chimney
- Approximately 10 lin ft of silver sealant around base of chimney
- Approximately 100 lin ft of black caulk/sealant along edges of upper and lower roofs

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: 6260 N. Port Washington Rd (Parcel 1)
Location: Glendale, Milwaukee Co.
Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
Exterior							
P-1-EXT-001	Lower Roof	Shingles	Black	G	PLM, non-detect	--	0
P-1-EXT-002					PLM, non-detect		
P-1-EXT-003					PLM, non-detect		
P-1-EXT-004	Lower Roof	Underlayment	Black	G	PLM, non-detect	--	0
P-1-EXT-005					PLM, non-detect		
P-1-EXT-006					PLM, non-detect		
P-1-EXT-007	Upper Roof	Shingles (Top Layer)	Red	D	PLM, non-detect	--	0
P-1-EXT-008					PLM, non-detect		
P-1-EXT-009					PLM, non-detect		
P-1-EXT-010	Upper Roof	Shingles (Bottom Layer)	Black	D	PLM, non-detect	--	0
P-1-EXT-011					PLM, non-detect		
P-1-EXT-012					PLM, non-detect		
P-1-EXT-013	Samples Not Submitted for Analysis						
P-1-EXT-014							
P-1-EXT-015							
P-1-EXT-016	Around Base of Chimney	Caulk/Sealant	Black	G	PLM, 2%	Non-Friable	10 lin ft
P-1-EXT-017					NA/PS		
P-1-EXT-018					NA/PS		
P-1-EXT-019	Around Base of Chimney	Sealant	Silver	G	PLM, 60%	Non-Friable	10 lin ft
P-1-EXT-020					NA/PS		
P-1-EXT-021					NA/PS		
P-1-EXT-022	Along Upper & Lower Roof Edges	Caulk/Sealant	Black	G	PLM, 5%	Non-Friable	100 lin ft
P-1-EXT-023					NA/PS		
P-1-EXT-024					NA/PS		
P-1-EXT-025	Lower Roof, Arount Vent Pipe	Caulk/Sealant	Black	G	PLM, non-detect	--	0
P-1-EXT-026					PLM, non-detect		
P-1-EXT-027					PLM, non-detect		
P-1-EXT-028	Exterior, Around Windows	Sealant	White	G	PLM, non-detect	--	0
P-1-EXT-029					PLM, non-detect		
P-1-EXT-030					PLM, non-detect		
Basement							
P-1-B-001	Basement Stairs	Adhesive (layer 1), Vinyl Tile (layer 2)	Yellow (layer 1), Tan Mosaic (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-B-002					PLM, non-detect (all layers)		
P-1-B-003					PLM, non-detect (all layers)		

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
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Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-1-B-004	Basement Kitchen Counter	Adhesive (layer 1), Countertop (layer 2)	Brown (layer 1), Orange/Brown (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-B-005					PLM, non-detect (all layers)		
P-1-B-006					PLM, non-detect (all layers)		
First Floor							
P-1-1-001	1st Floor Storage Area	Backing (layer 1), Carpet (layer 2)	Tan/Yellow (layer 1), Gray (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-002					PLM, non-detect (all layers)		
P-1-1-003					PLM, non-detect (all layers)		
P-1-1-004	1st Floor Storage Area-East Bay Drop Ceiling	Drop Ceiling Tile	White/Beige	G	PLM, non-detect	--	0
P-1-1-005					PLM, non-detect		
P-1-1-006					PLM, non-detect		
P-1-1-007	1st Floor Storage Area-East Bay Walls	Orange Peel Texture (layer 1), Drywall (layer 2)	Purple (layer 1), White (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-008					PLM, non-detect (all layers)		
P-1-1-009					PLM, non-detect (all layers)		
P-1-1-010	1st Floor Storage Area-East Bay Walls	Adhesive (layer 1), Rubber Base Trim (layer 2)	Cream (layer 1), Brown (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-011					PLM, non-detect (all layers)		
P-1-1-012					PLM, non-detect (all layers)		
P-1-1-013	1st Floor Storage Area-West Bay Drop Ceiling	Drop Ceiling Tile	White/Brown	G	PLM, non-detect	--	0
P-1-1-014					PLM, non-detect		
P-1-1-015					PLM, non-detect		
P-1-1-016	1st Floor Storage Area-West Bay Walls	Adhesive (layer 1), Rubber Base Trim (layer 2)	Cream (layer 1), Cream (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-017					PLM, non-detect (all layers)		
P-1-1-018					PLM, non-detect (all layers)		

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

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Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-1-1-019	1st Floor Storage Area-West Bay Walls	Medium Texture (layer 1), Drywall (layer 2)	Purple (layer 1), White (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-020					PLM, non-detect (all layers)		
P-1-1-021					PLM, non-detect (all layers)		
P-1-1-022	1st Floor Retail Area Drop Ceiling	Drop Ceiling Tile	White/Beige	G	PLM, non-detect	--	0
P-1-1-023	1st Floor West Bay Office Drop Ceiling				PLM, non-detect		
P-1-1-024	1st Floor Retail Area Drop Ceiling				PLM, non-detect		
P-1-1-025	1st Floor West Bay Office Floor	Backing (layer 1), Carpet (layer 2)	Yellow (layer 1), Black (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-026	1st Floor Retail Area Floor				PLM, non-detect (all layers)		
P-1-1-027	1st Floor Retail Area Floor				PLM, non-detect (all layers)		
P-1-1-028	1st Floor West Bay Office Floor	Backing (layer 1), Carpet (layer 2)	Yellow (layer 1), Gray (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-1-029					PLM, non-detect (all layers)		
P-1-1-030					PLM, non-detect (all layers)		
P-1-1-031	1st Floor West Bay Office Wall	Drywall	White	G	PLM, non-detect	--	0
P-1-1-032	1st Floor West Bay Office Wall	Drywall	White		PLM, non-detect		
P-1-1-033	1st Floor West Bay Bathroom Wall	Drywall	White/Purple		PLM, non-detect		
P-1-1-034	1st Floor West Bay Bathroom Floor	Grout (layer 1), Adhesive (layer 2), 12"x12" Ceramic Tile (layer 3)	Gray (layer 1), Gray (layer 2), White (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-1-035					PLM, non-detect (all layers)		
P-1-1-036					PLM, non-detect (all layers)		

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
Name: 6260 N. Port Washington Rd (Parcel 1)
Location: Glendale, Milwaukee Co.
Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-1-1-037	1st Floor Employee Entry Floor	Grout (layer 1), Adhesive (layer 2), 12"x12" Ceramic Tile (layer 3)	Gray (layer 1), Gray (layer 2), Gray Mosaic (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-1-038					PLM, non-detect (all layers)		
P-1-1-039					PLM, non-detect (all layers)		
P-1-1-040	1st Floor Retail Area Floor	Grout (layer 1), Adhesive (layer 2), 12"x12" ceramic tile (layer 3)	Gray (layer 1), Gray (layer 2), Black (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-1-041					PLM, non-detect (all layers)		
P-1-1-042					PLM, non-detect (all layers)		
P-1-1-043	1st Floor Storage Area Ceiling	Drywall	White	G	PLM, non-detect	--	0
P-1-1-044					PLM, non-detect		
P-1-1-045					PLM, non-detect		
Second Floor							
P-1-2-1	Around Apartment Windows	Window Glazing	White	G	PLM, non-detect	--	0
P-1-2-2					PLM, non-detect		
P-1-2-3					PLM, non-detect		
P-1-2-4	Living Room & Closets (Both Apartments)	Pad (layer 1), Carpet (layer 2)	Black/Green/Yellow Mosaic (layer 1), Brown (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-5					PLM, non-detect (all layers)		
P-1-2-6					PLM, non-detect (all layers)		
P-1-2-7	Kitchen (Both Apartments)	Mastic (layer 1), Vinyl Flooring (layer 2)	Tan (layer 1), Light Gray (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-8					PLM, non-detect (all layers)		
P-1-2-9					PLM, non-detect (all layers)		
P-1-2-10	North Apartment (Apt 2) Kitchen Sub-Floor	Mastic (layer 1), Floor Tile (layer 2), Mastic (layer 3)	Black (layer 1), Tan (layer 2), Tan (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-2-11					PLM, non-detect (all layers)		
P-1-2-12					PLM, non-detect (all layers)		

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
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Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-1-2-13	North Apartment (Apt 2) Kitchen Counter	Mastic (layer 1), Laminate (layer 2)	Brown (layer 1), White/Gold Mosaic (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-14					PLM, non-detect (all layers)		
P-1-2-15					PLM, non-detect (all layers)		
P-1-2-16	South Apartment (Apt 1) Kitchen Counter	Mastic (layer 1), Laminate (layer 2)	Dark Brown (layer 1), Yellow (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-17					PLM, non-detect (all layers)		
P-1-2-18					PLM, non-detect (all layers)		
P-1-2-19	Stairs, Walls & Ceilings Throughout Both Apartments	Drywall (layer 1), Cement Board (layer 2)	White (layer 1), Gray Smooth (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-20					PLM, non-detect (all layers)		
P-1-2-21					PLM, non-detect (all layers)		
P-1-2-22					PLM, non-detect (all layers)		
P-1-2-23					PLM, non-detect (all layers)		
P-1-2-24	Hall & Landing	Mastic (layer 1), Felt Backing (layer 2), Carpet (layer 3)	Tan (layer 1), Black (layer 2), Gray/Tan (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-2-25					PLM, non-detect (all layers)		
P-1-2-26					PLM, non-detect (all layers)		
P-1-2-27	Steps	Pad (layer 1), Carpet (layer 2)	Black/Yellow Mosaic (layer 1), Gray (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-28					PLM, non-detect (all layers)		
P-1-2-29					PLM, non-detect (all layers)		

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

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Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: February 10, 2022
Samples Collected By: Tom Perkins, John Roelke
Asbestos Inspector Number: AII-252595, AII-119523

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-1-2-30	North & South Apartment Bathroom Wall Base	Grout (layer 1), 4"x4" Ceramic Tile (layer 2)	Gray (layer 1), Yellow (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-31					PLM, non-detect (all layers)		
P-1-2-32					PLM, non-detect (all layers)		
P-1-2-33	North & South Apartment Tub Walls	Plaster (layer 1), Grout (layer 2), 2'x1' Porcelain Tile (layer 3)	White (layer 1), Gray (layer 2), Brown (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-2-34					PLM, non-detect (all layers)		
P-1-2-35					PLM, non-detect (all layers)		
P-1-2-36	North & South Apartment Tub Walls	Plaster (layer 1), Grout (layer 2), Glass Tile (layer 3)	White (layer 1), Gray (layer 2), Colorless (layer 3)	G	PLM, non-detect (all layers)	--	0
P-1-2-37					PLM, non-detect (all layers)		
P-1-2-38					PLM, non-detect (all layers)		
P-1-2-39	North Apartment (Apt 2) Bathroom Floor Top Layer	Mastic (layer 1), Peel & Stick Vinyl Floor (layer 2)	Gray/Black (layer 1), Gray (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-40					PLM, non-detect (all layers)		
P-1-2-41					PLM, non-detect (all layers)		
P-1-2-42	North Apartment (Apt 2) Bathroom Floor Bottom Layer & South Apartment (Apt 1) Bathroom Floor	Grout (layer 1), 4"x4" Porcelain Tile (layer 2)	Gray (layer 1), Red (layer 2)	G	PLM, non-detect (all layers)	--	0
P-1-2-43					PLM, non-detect (all layers)		
P-1-2-44					PLM, non-detect (all layers)		

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

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

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.

FIGURE 1 - SITE LOCATION MAP

6260 N. PORT WASHINGTON ROAD (PARCEL 1), GLENDALE

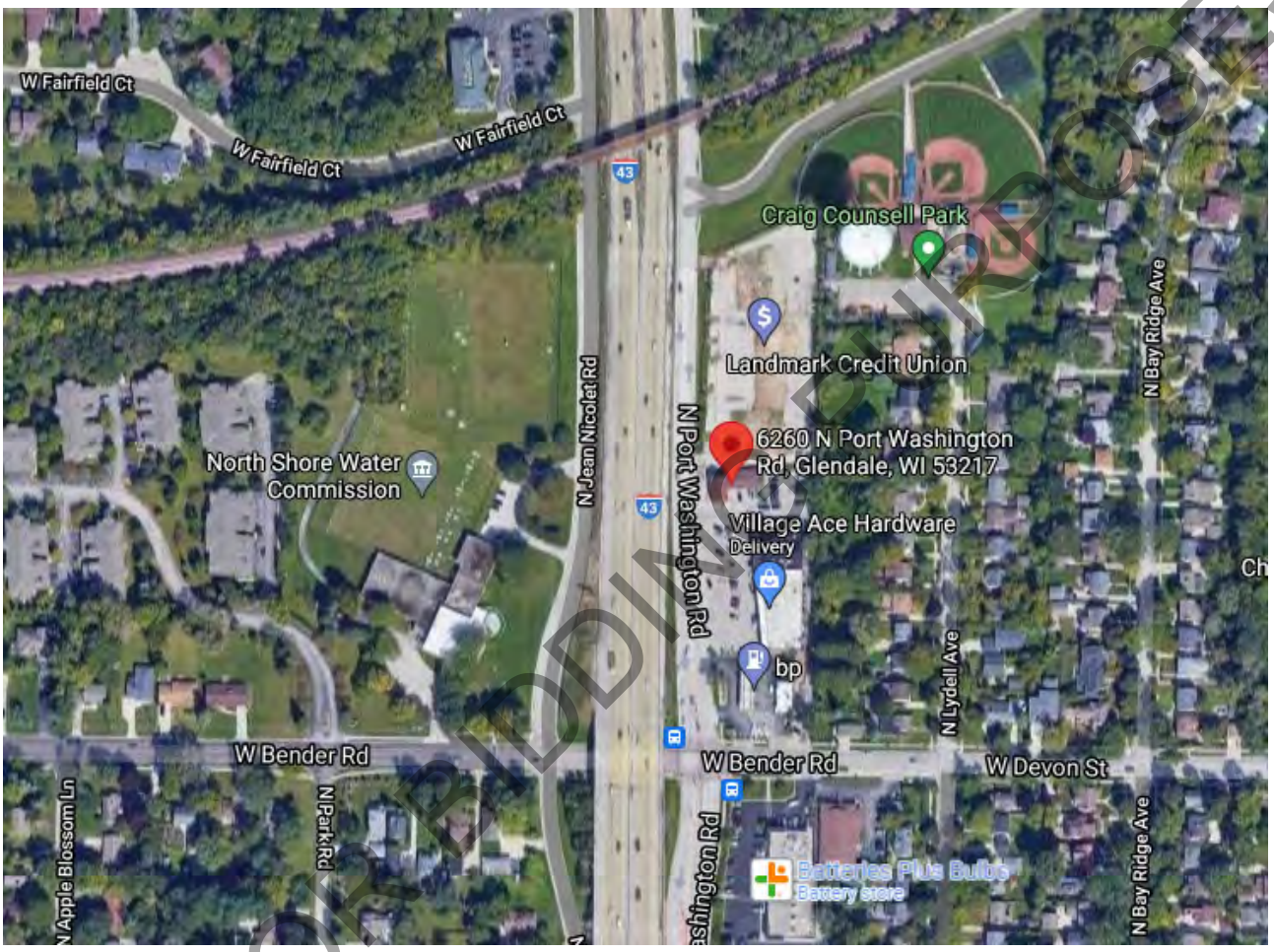
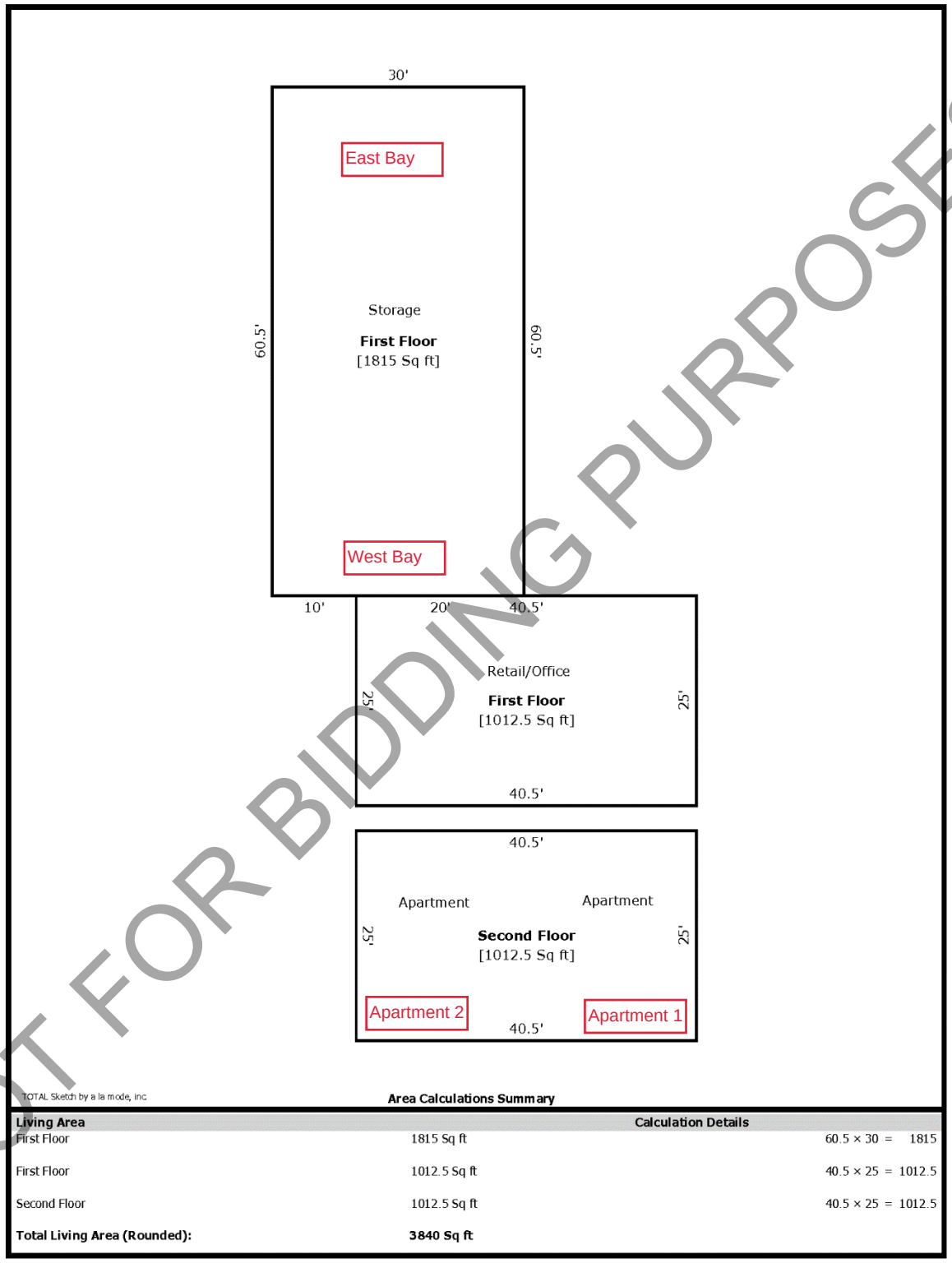


Figure 2

BUILDING SKETCH



TOTAL Sketch by a la mode, inc.

Area Calculations Summary

Living Area		Calculation Details
First Floor	1815 Sq ft	60.5 × 30 = 1815
First Floor	1012.5 Sq ft	40.5 × 25 = 1012.5
Second Floor	1012.5 Sq ft	40.5 × 25 = 1012.5
Total Living Area (Rounded):	**3840 Sq ft**	

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

Appendix A: Photographs

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
1	2/10/2022

Description
Front of building

Photo No.	Date
2	2/10/2022

Description
Side of building

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
3	2/10/2022

Description
Back of building

Photo No.	Date
4	2/10/2022

Description
Side of building

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
5	2/10/2022

Description
Side of building

Photo No.	Date
6	2/10/2022

Description
Lower roof

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
7	2/10/2022

Description
Looking at both roofs

Photo No.	Date
8	2/10/2022

Description
Black shingles on lower roof are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
9	2/10/2022

Description
Black underlayment on lower roof is non-detect for ACM

Photo No.	Date
10	2/10/2022

Description
Red shingles on upper roof (top layer) are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

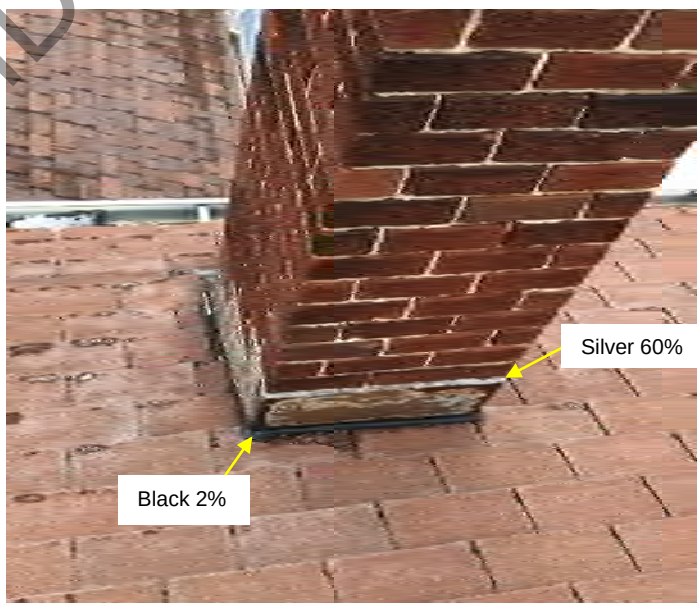
Photo No.	Date
11	2/10/2022

Description
Black shingles on upper roof (second layer) are non-detect for ACM

Photo No.	Date
12	2/10/2022

Description
Black caulk/sealant around base of chimney on upper roof contains 2% non-friable ACM

Silver caulk/sealant around base of chimney on upper roof contains 60% non-friable ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
13	2/10/2022

Description
Black caulk/sealant along edges of upper and lower roof contains 5% non-friable ACM

Photo No.	Date
14	2/10/2022

Description
Black caulk/sealant around vent on lower roof is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
15	2/10/2022

Description
White caulk/sealant around exterior windows is non-detect for ACM

Photo No.	Date
16	2/10/2022

Description
Stairs to basement

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
17	2/10/2022

Description
Vinyl tile & adhesive on basement stairs are both non-detect for ACM

Photo No.	Date
18	2/10/2022

Description
Countertop & adhesive on basement kitchen counter are both non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
19	2/10/2022

Description
Basement

Photo No.	Date
20	2/10/2022

Description
Basement

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
21	2/10/2022

Description
Fuse boxes in basement – no suspect ACM

Photo No.	Date
22	2/10/2022

Description
Basement storage area

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
23	2/10/2022

Description
First floor storage area-east bay

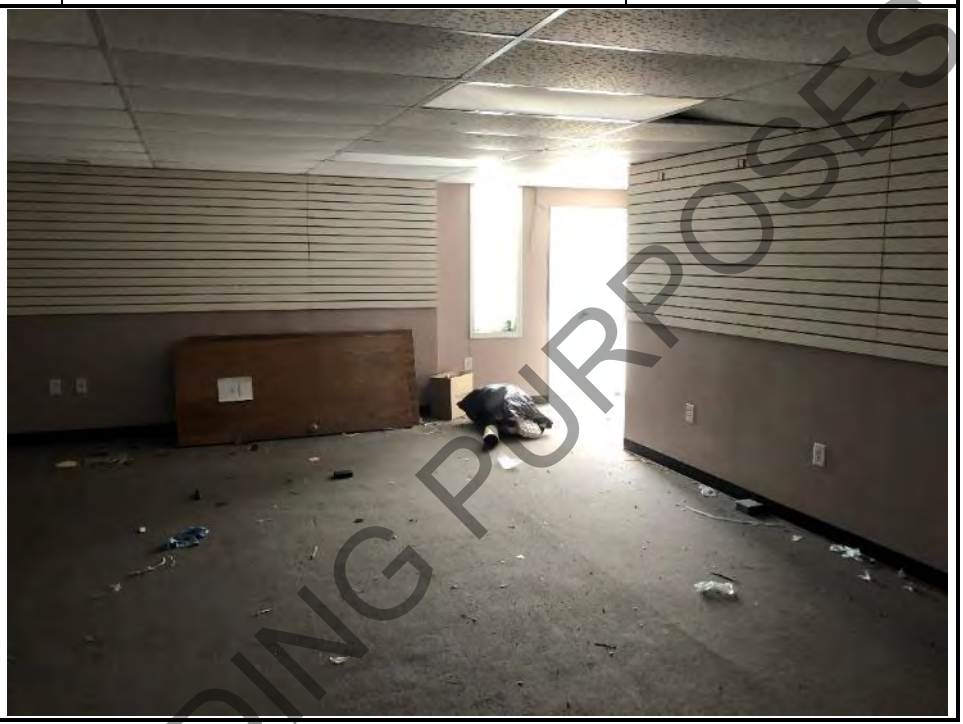


Photo No.	Date
24	2/10/2022

Description
First floor storage area-east bay

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
25	2/10/2022

Description
First floor storage area carpeting with backing is non-detect for ACM

Photo No.	Date
26	2/10/2022

Description
Drop ceiling in first floor storage area-east bay is non-detect for ACM

Photographic Log

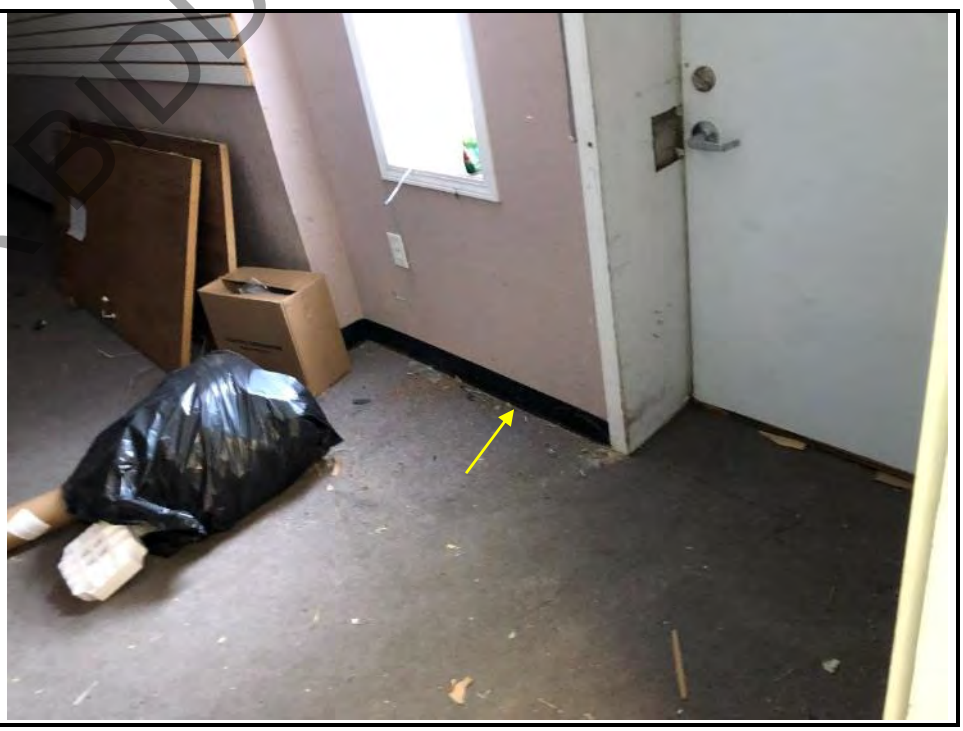
Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
27	2/10/2022

Description
Orange peel textured drywall on walls in first floor storage area-east bay is non-detect for ACM

Photo No.	Date
28	2/10/2022

Description
Rubber base trim with adhesive on walls in first floor storage area-east bay is non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
29	2/10/2022

Description
First floor storage area-west bay

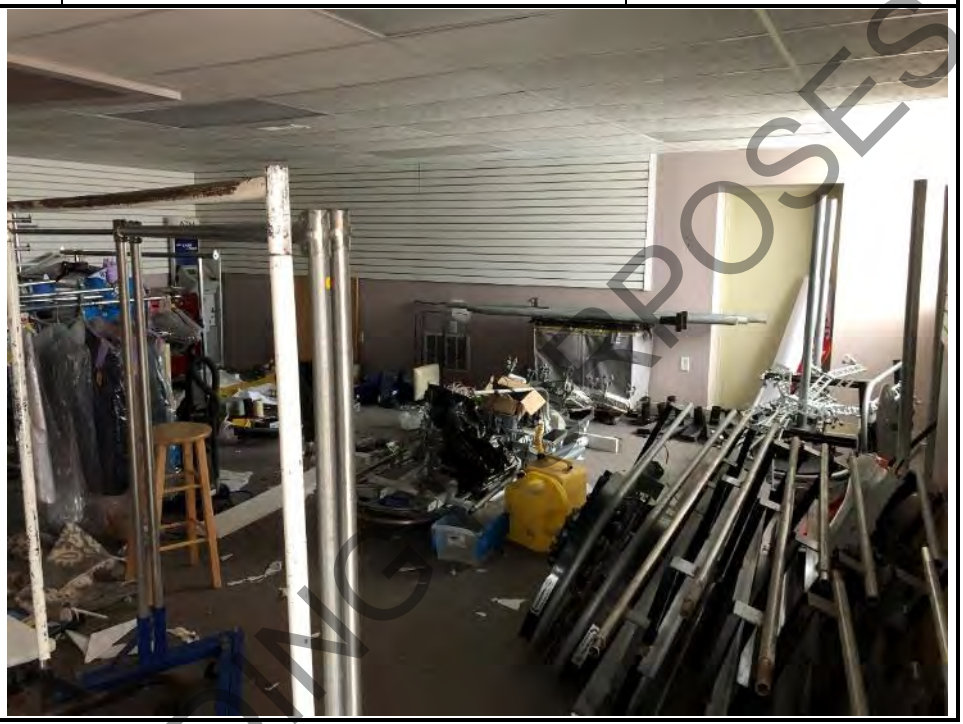


Photo No.	Date
30	2/10/2022

Description
Drop ceiling in first floor storage area-west bay is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
31	2/10/2022

Description
Rubber base trim with adhesive on walls in first floor storage area-west bay is non-detect for ACM

Textured drywall on walls in first floor storage area-west bay is non-detect for ACM

Photo No.	Date
32	2/10/2022

Description
First floor west bay office area

Drop ceiling is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
33	2/10/2022

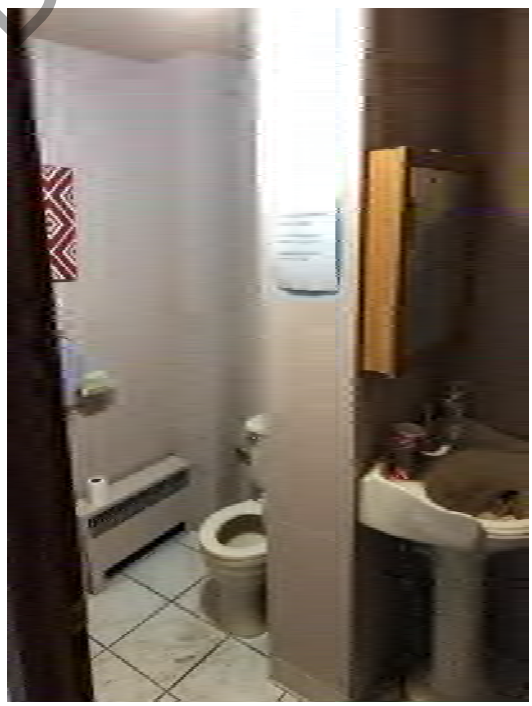
Description
First floor west bay office area

Drywall on walls is non-detect for ACM, and black & gray carpeting with backing on floor is non-detect for ACM

Photo No.	Date
34	2/10/2022

Description
First floor west bay bathroom

Drywall on walls are non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
35	2/10/2022

Description
White 12”x12” tiles, grout & adhesive on first floor west bay bathroom are non-detect for ACM

Photo No.	Date
36	2/10/2022

Description
Employee entrance

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
37	2/10/2022

Description
Gray mosaic 12”x12” tiles, grout & adhesive on first floor employee entrance floor are non-detect for ACM

Photo No.	Date
38	2/10/2022

Description
First floor retail area

Drop ceiling tiles are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
39	2/10/2022

Description
Black carpeting with backing in first floor retail area is non-detect for ACM

Photo No.	Date
40	2/10/2022

Description
Black 12”x12” tiles, grout & adhesive on first floor retail area floor is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
41	2/10/2022

Description
First floor retail storage area

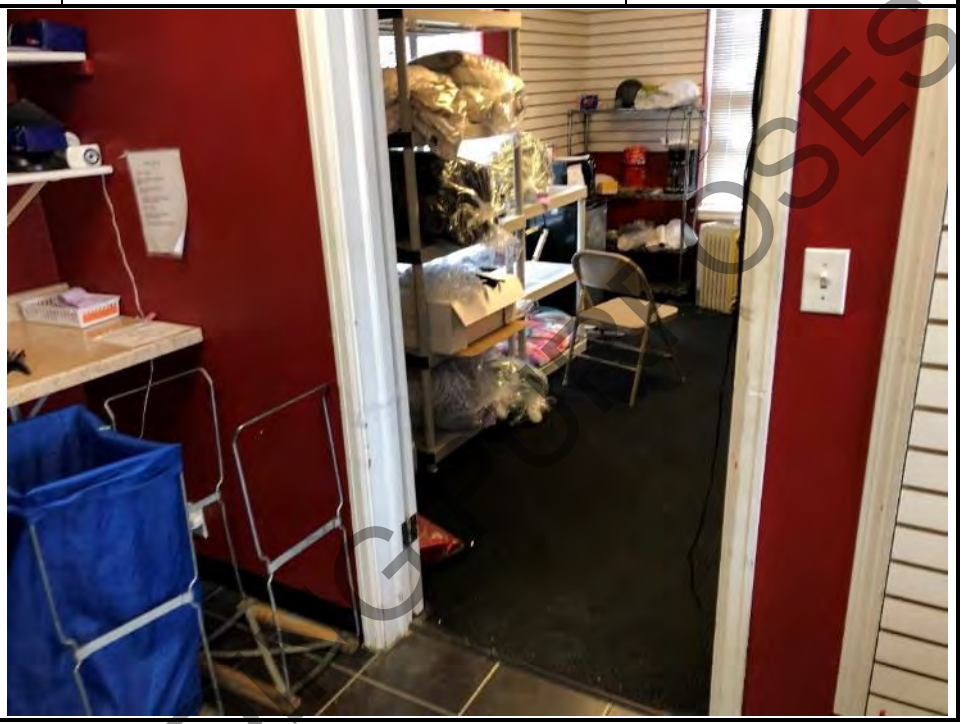
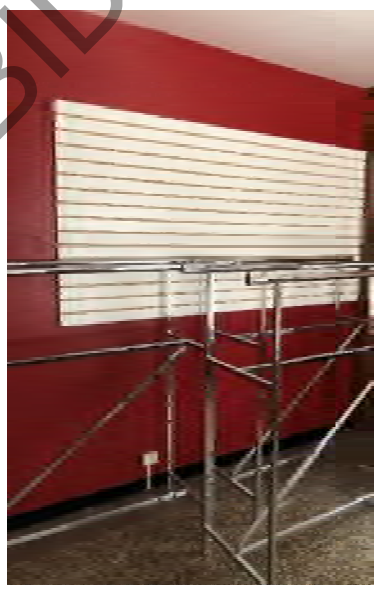
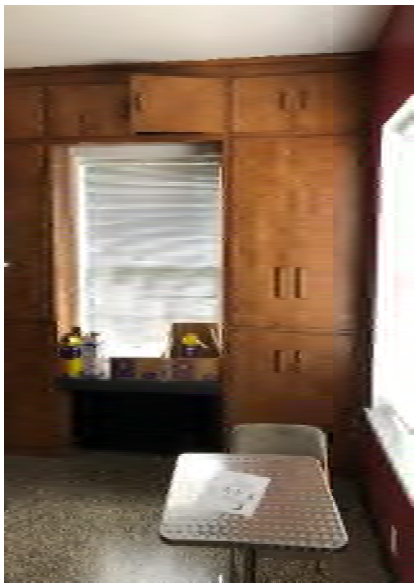


Photo No.	Date
42	2/10/2022

Description
First floor retail storage area

Drywall on ceiling is non-detect for ACM





Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
43	2/10/2022

Description
Entry door to apartments

Photo No.	Date
44	2/10/2022

Description
Steps to apartments

Photographic Log

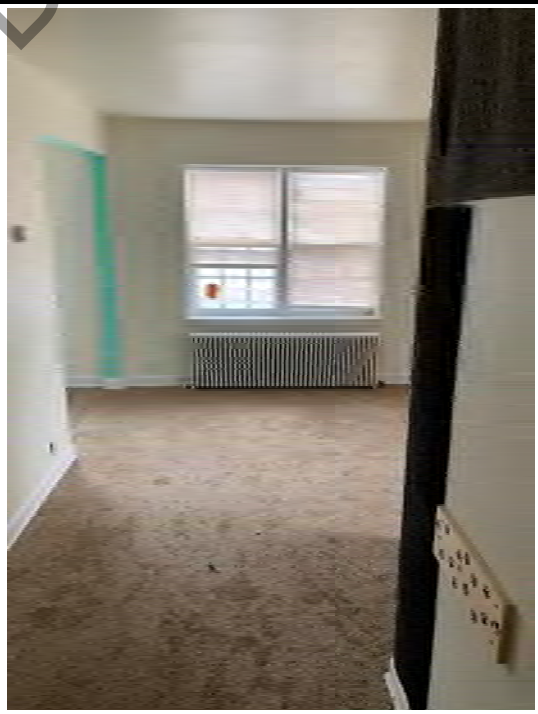
Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
45	2/10/2022

Description
Apartment 2

Photo No.	Date
46	2/10/2022

Description
Apartment 2 living room



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
47	2/10/2022

Description
Apartment 2

Photo No.	Date
48	2/10/2022

Description
Apartment 2 kitchen

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
49	2/10/2022

Description
Apartment 2 bathroom

Photo No.	Date
50	2/10/2022

Description
Apartment 2 bathtub

Photographic Log

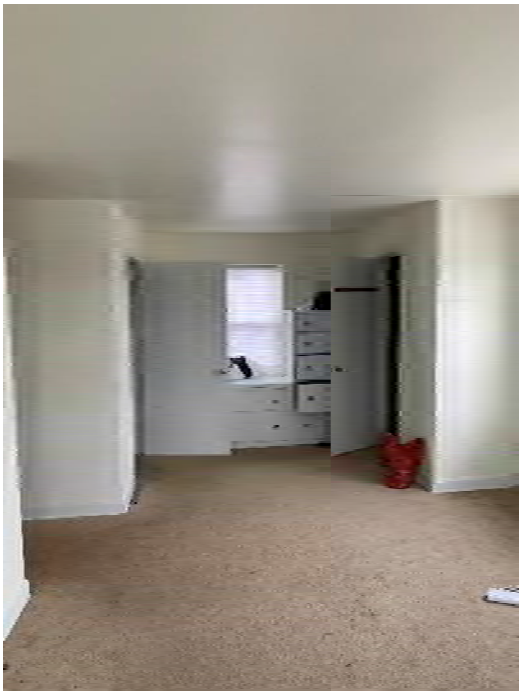
Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
51	2/10/2022

Description
Apartment 1

Photo No.	Date
52	2/10/2022

Description
Apartment 1



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
53	2/10/2022

Description
Apartment 1 living room

Photo No.	Date
54	2/10/2022

Description
Apartment 1 kitchen

Photographic Log

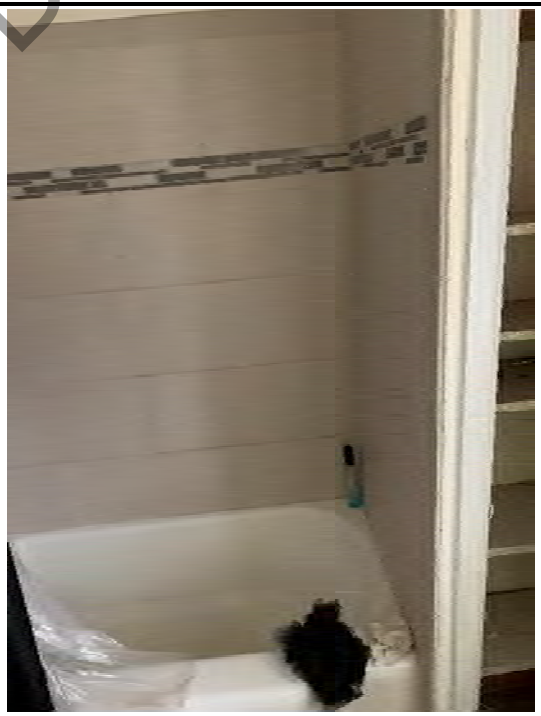
Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
55	2/10/2022

Description
Apartment 1 bathroom

Photo No.	Date
56	2/10/2022

Description
Apartment 1 bathtub



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
57	2/10/2022

Description
Window glazing around windows in both apartments is non-detect for ACM

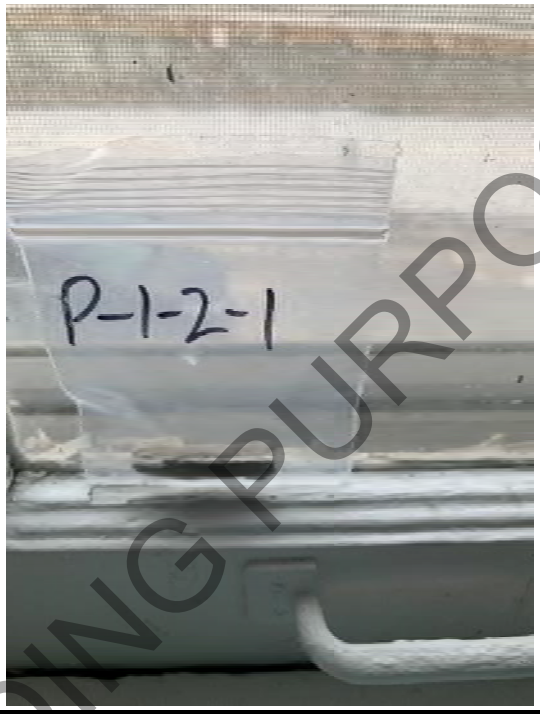


Photo No.	Date
58	2/10/2022

Description
Carpeting & pad in both apartments are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
59	2/10/2022

Description
Vinyl planks & mastic on kitchen floor in both apartments are non-detect for ACM

Photo No.	Date
60	2/10/2022

Description
Mastic & floor tile under vinyl plank flooring on Apartment 2 kitchen floor are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
61	2/10/2022

Description
White/gold laminate & mastic countertop in Apartment 2 kitchen are non-detect for ACM

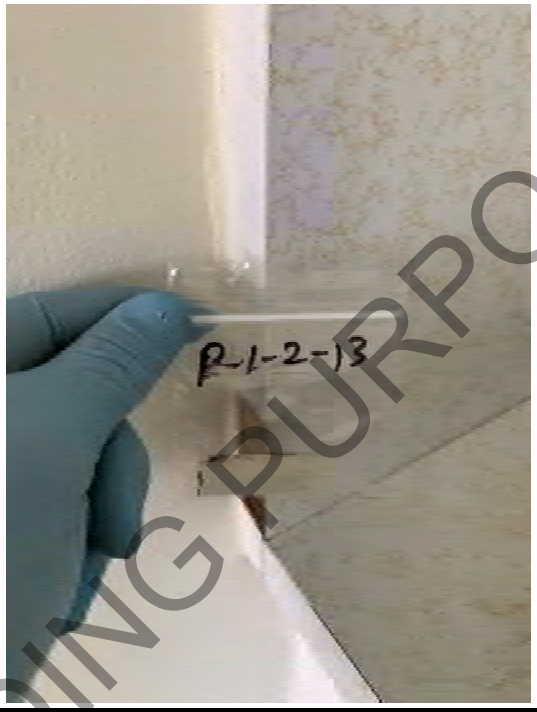
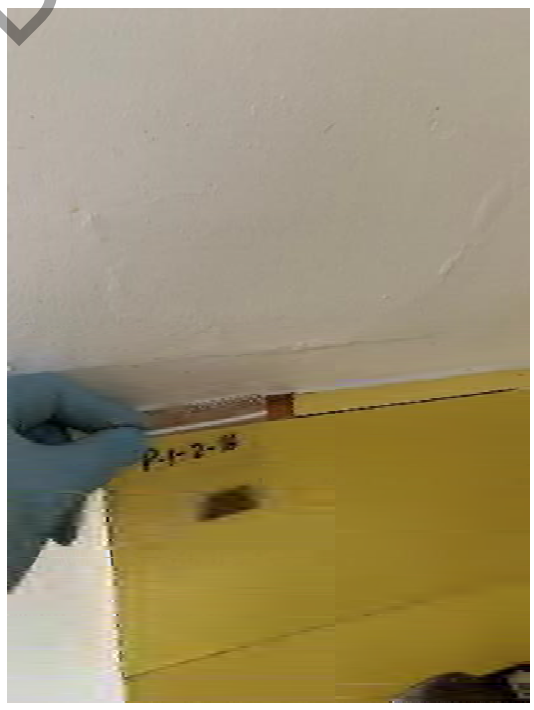


Photo No.	Date
62	2/10/2022

Description
Yellow laminate & mastic countertop in Apartment 1 kitchen are non-detect for ACM



Photographic Log

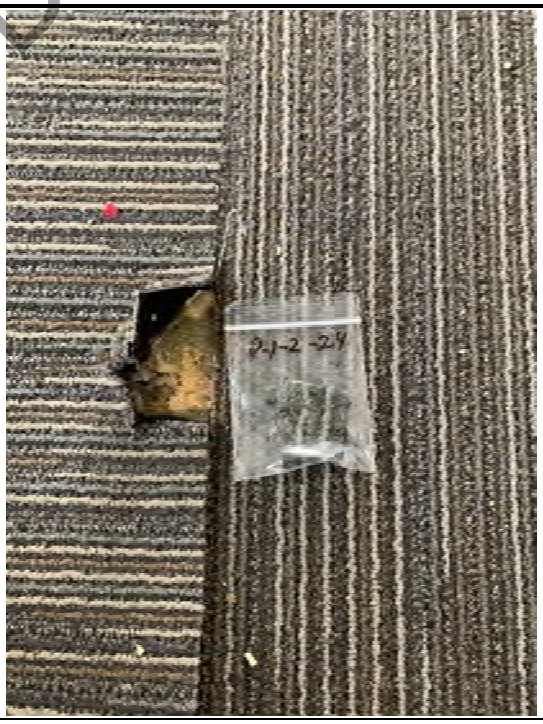
Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
63	2/10/2022

Description
Drywall & cement board on walls and ceilings in the stairway and throughout both apartments are non-detect for ACM

Photo No.	Date
64	2/10/2022

Description
Carpeting, felt backing & mastic in hallway and landing floor outside of apartments are non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
65	2/10/2022

Description
Carpeting & pad on steps to apartment are non-detect for ACM

Photo No.	Date
66	2/10/2022

Description
Ceramic tile & grout on bathroom wall base in both apartments are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
67	2/10/2022

Description
Brown porcelain tile, grout & plaster on bathroom tub walls in both apartments are non-detect for ACM

Photo No.	Date
68	2/10/2022

Description
Clear glass tile, grout & plaster on bathroom tub walls in both apartments are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	6260 N. Port Washington Rd (Parcel 1), Glendale, Milwaukee Co.	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
69	2/10/2022

Description
Peel & stick vinyl flooring & mastic over red tiles on bathroom floor in Apartment 2 are non-detect for ACM

Photo No.	Date
70	2/10/2022

Description
Red tiles & grout on bathroom floor in both apartments are non-detect for ACM

Appendix B: Laboratory Analytical Results

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

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0058518
Project #: 441231.0000.0000
Date Received: 02/18/2022
Date Analyzed: 02/22/2022

Site: Parcel 1, 6260 N. Port Washington Road, Milwaukee, WI

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-EXT-001	Lower Roof	Black shingles	5%	fibrous glass	ND	None
P-1-EXT-002	Lower Roof	Black shingles	5%	fibrous glass	ND	None
P-1-EXT-003	Lower Roof	Black shingles	5%	fibrous glass	ND	None
P-1-EXT-004	Lower Roof	Black underlayment		- - -	ND	None
P-1-EXT-005	Lower Roof	Black underlayment		- - -	ND	None
P-1-EXT-006	Lower Roof	Black underlayment		- - -	ND	None
P-1-EXT-007	Upper Roof	Black/Red shingles	10%	cellulose	ND	None
P-1-EXT-008	Upper Roof	Black/Red shingles	10%	cellulose	ND	None
P-1-EXT-009	Upper Roof	Black/Red shingles	10%	cellulose	ND	None
P-1-EXT-010	Upper Roof	Red/Black shingles	20%	cellulose	ND	None
P-1-EXT-011	Upper Roof	Red/Black shingles	20%	cellulose	ND	None
P-1-EXT-012	Upper Roof	Red/Black shingles	20%	cellulose	ND	None
P-1-EXT-013		- -		- -	SNA	- -
P-1-EXT-014		- -		- -	SNA	- -
P-1-EXT-015		- -		- -	SNA	- -
P-1-EXT-016	Base of Chimney	Black caulk/sealant		- - -	2%	Chrysotile
P-1-EXT-017	Base of Chimney	- -		- -	NA/PS	- -

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-EXT-018	Base of Chimney	- -		- -	NA/PS	- -
P-1-EXT-019	Base of Chimney	Silver sealant		- - -	60%	Chrysotile
P-1-EXT-020	Base of Chimney	- -		- -	NA/PS	- -
P-1-EXT-021	Base of Chimney	- -		- -	NA/PS	- -
P-1-EXT-022	Upper/Lower Roof	Black caulk/sealant		- - -	5%	Chrysotile
P-1-EXT-023	Upper/Lower Roof	- -		- -	NA/PS	- -
P-1-EXT-024	Upper/Lower Roof	- -		- -	NA/PS	- -
P-1-EXT-025	Lower Roof - Venting	Black caulk/sealant	10%	cellulose	ND	None
P-1-EXT-026	Lower Roof - Venting	Black caulk/sealant	10%	cellulose	ND	None
P-1-EXT-027	Lower Roof - Venting	Black caulk/sealant	10%	cellulose	ND	None
P-1-EXT-028	Exterior Window	White sealant		- - -	ND	None
P-1-EXT-029	Exterior Window	White sealant		- - -	ND	None
P-1-EXT-030	Exterior Window	White sealant		- - -	ND	None
P-1-B-001	Basement Stairs	LAYER 1 Yellow adhesive		- - -	ND	None
P-1-B-001		LAYER 2 Tan mosaic vinyl tile	10%	cellulose	ND	None
P-1-B-002	Basement Stairs	LAYER 1 Yellow adhesive		- - -	ND	None
P-1-B-002		LAYER 2 Tan mosaic vinyl tile	10%	cellulose	ND	None
P-1-B-003	Basement Stairs	LAYER 1 Yellow adhesive		- - -	ND	None
P-1-B-003		LAYER 2 Tan mosaic vinyl tile	10%	cellulose	ND	None
P-1-B-004	Basement Kitchen Counter	LAYER 1 Brown adhesive	5%	cellulose	ND	None
P-1-B-004		LAYER 2 Orange/Brown counter top	99%	cellulose	ND	None
P-1-B-005	Basement Kitchen Counter	LAYER 1 Brown adhesive	5%	cellulose	ND	None
P-1-B-005		LAYER 2 Orange/Brown counter top	99%	cellulose	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-B-006	Basement Kitchen Counter	LAYER 1 Brown adhesive	5%	cellulose	ND	None
P-1-B-006		LAYER 2 Orange/Brown counter top	99%	cellulose	ND	None
P-1-1-001	1st floor - Storage	LAYER 1 Tan/Yellow backing	5%	synthetic fiber	ND	None
P-1-1-001		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-002	1st floor - Storage	LAYER 1 Tan/Yellow backing	5%	synthetic fiber	ND	None
P-1-1-002		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-003	1st floor - Storage	LAYER 1 Tan/Yellow backing	5%	synthetic fiber	ND	None
P-1-1-003		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-004	1st floor - Storage, east bay drop ceiling	White/Beige drop ceiling tile	60% 20%	cellulose mineral wool	ND	None
P-1-1-005	1st floor - Storage, east bay drop ceiling	White/Beige drop ceiling tile	60% 20%	cellulose mineral wool	ND	None
P-1-1-006	1st floor - Storage, east bay drop ceiling	White/Beige drop ceiling tile	60% 20%	cellulose mineral wool	ND	None
P-1-1-007	1st floor - Storage, east bay wall	LAYER 1 Purple orange peel texture		- - -	ND	None
P-1-1-007		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-008	1st floor - Storage, east bay wall	LAYER 1 Purple orange peel texture		- - -	ND	None
P-1-1-008		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-009	1st floor - Storage, east bay wall	LAYER 1 Purple orange peel texture		- - -	ND	None
P-1-1-009		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-010	1st floor - Storage, east bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-010		LAYER 2 Brown rubber base trim		- - -	ND	None
P-1-1-011	1st floor - Storage, east bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-011		LAYER 2 Brown rubber base trim		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-1-012	1st floor - Storage, east bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-012		LAYER 2 Brown rubber base trim		- - -	ND	None
P-1-1-013	1st floor - Storage, west bay drop ceiling	White/Brown drop ceiling tile	99%	cellulose	ND	None
P-1-1-014	1st floor - Storage, west bay drop ceiling	White/Brown drop ceiling tile	99%	cellulose	ND	None
P-1-1-015	1st floor - Storage, west bay drop ceiling	White/Brown drop ceiling tile	99%	cellulose	ND	None
P-1-1-016	1st floor - Storage, west bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-016		LAYER 2 Cream rubber base trim		- - -	ND	None
P-1-1-017	1st floor - Storage, west bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-017		LAYER 2 Cream rubber base trim		- - -	ND	None
P-1-1-018	1st floor - Storage, west bay wall	LAYER 1 Cream adhesive		- - -	ND	None
P-1-1-018		LAYER 2 Cream rubber base trim		- - -	ND	None
P-1-1-019	1st floor - Storage, west bay wall	LAYER 1 Purple medium texture		- - -	ND	None
P-1-1-019		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-020	1st floor - Storage, west bay wall	LAYER 1 Purple medium texture		- - -	ND	None
P-1-1-020		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-021	1st floor - Storage, west bay wall	LAYER 1 Purple medium texture		- - -	ND	None
P-1-1-021		LAYER 2 White drywall	2%	cellulose	ND	None
P-1-1-022	1st floor - Retail drop ceiling	White/Beige drop ceiling tile	40% 40%	cellulose mineral wool	ND	None
P-1-1-023	1st floor - Storage, west bay office drop ceiling	White/Beige drop ceiling tile	40% 40%	cellulose mineral wool	ND	None
P-1-1-024	1st floor - Storage, retail drop ceiling	White/Beige drop ceiling tile	40% 40%	cellulose mineral wool	ND	None
P-1-1-025	1st floor - Storage, west bay office floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-025		LAYER 2 Black carpet	99%	synthetic fiber	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-1-026	1st floor - Retail floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-026		LAYER 2 Black carpet	99%	synthetic fiber	ND	None
P-1-1-027	1st floor - Retail floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-027		LAYER 2 Black carpet	99%	synthetic fiber	ND	None
P-1-1-028	1st floor - Storage, west bay office floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-028		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-029	1st floor - Storage, west bay office floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-029		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-030	1st floor - Storage, west bay office floor	LAYER 1 Yellow backing	60%	synthetic fiber	ND	None
P-1-1-030		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-1-031	1st floor - west bay office wall	White drywall	2%	cellulose	ND	None
P-1-1-032	1st floor - west bay office wall	White drywall	2%	cellulose	ND	None
P-1-1-033	1st floor - west bay bath wall	White/Purple drywall	2%	cellulose	ND	None
P-1-1-034	1st floor - west bay bath floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-034		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-034		LAYER 3 White 12"x12" ceramic tile		- - -	ND	None
P-1-1-035	1st floor - west bay bath floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-035		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-035		LAYER 3 White 12"x12" ceramic tile		- - -	ND	None
P-1-1-036	1st floor - west bay bath floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-036		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-036		LAYER 3 White 12"x12" ceramic tile		- - -	ND	None

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Windsor, CT 06095
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POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-1-037	1st floor - employee entry floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-037		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-037		LAYER 3 Grey 12"x12" mosaic ceramic tile		- - -	ND	None
P-1-1-038	1st floor - employee entry floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-038		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-038		LAYER 3 Grey 12"x12" mosaic ceramic tile		- - -	ND	None
P-1-1-039	1st floor - employee entry floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-039		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-039		LAYER 3 Grey 12"x12" mosaic ceramic tile		- - -	ND	None
P-1-1-040	1st floor - Retail floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-040		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-040		LAYER 3 Black 12"x12" ceramic tile		- - -	ND	None
P-1-1-041	1st floor - Retail floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-041		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-041		LAYER 3 Black 12"x12" ceramic tile		- - -	ND	None
P-1-1-042	1st floor - Retail floor	LAYER 1 Grey grout		- - -	ND	None
P-1-1-042		LAYER 2 Grey adhesive		- - -	ND	None
P-1-1-042		LAYER 3 Black 12"x12" ceramic tile		- - -	ND	None
P-1-1-043	1st floor - storage ceiling	White drywall	2%	cellulose	ND	None
P-1-1-044	1st floor - storage ceiling	White drywall	2%	cellulose	ND	None
P-1-1-045	1st floor - storage ceiling	White drywall	2%	cellulose	ND	None
P-1-2-1	Apartment windows	White window glazing		- - -	ND	None
P-1-2-2	Apartment windows	White window glazing		- - -	ND	None
P-1-2-3	Apartment windows	White window glazing		- - -	ND	None

Industrial Hygiene Laboratory
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POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-2-4	Living room & closets	LAYER 1 Black/Green/Yellow mosaic pad		- - -	ND	None
P-1-2-4		LAYER 2 Brown carpet	99%	synthetic fiber	ND	None
P-1-2-5	Living room & closets	LAYER 1 Black/Green/Yellow mosaic pad		- - -	ND	None
P-1-2-5		LAYER 2 Brown carpet	99%	synthetic fiber	ND	None
P-1-2-6	Living room & closets	LAYER 1 Black/Green/Yellow mosaic pad		- - -	ND	None
P-1-2-6		LAYER 2 Brown carpet	99%	synthetic fiber	ND	None
P-1-2-7	Kitchen	LAYER 1 Tan mastic		- - -	ND	None
P-1-2-7		LAYER 2 Light Grey vinyl floor		- - -	ND	None
P-1-2-8	Kitchen	LAYER 1 Tan mastic		- - -	ND	None
P-1-2-8		LAYER 2 Light Grey vinyl floor		- - -	ND	None
P-1-2-9	Kitchen	LAYER 1 Tan mastic		- - -	ND	None
P-1-2-9		LAYER 2 Light Grey vinyl floor		- - -	ND	None
P-1-2-10	North Apt. Kitchn Sub-floor	LAYER 1 Black mastic	5%	cellulose	ND	None
P-1-2-10		LAYER 2 Tan floor tile		- - -	ND	None
P-1-2-10		LAYER 3 Tan mastic		- - -	ND	None
P-1-2-11	North Apt. Kitchn Sub-floor	LAYER 1 Black mastic	5%	cellulose	ND	None
P-1-2-11		LAYER 2 Tan floor tile		- - -	ND	None
P-1-2-11		LAYER 3 Tan mastic		- - -	ND	None
P-1-2-12	North Apt. Kitchn Sub-floor	LAYER 1 Black mastic	5%	cellulose	ND	None
P-1-2-12		LAYER 2 Tan floor tile		- - -	ND	None
P-1-2-12		LAYER 3 Tan mastic		- - -	ND	None
P-1-2-13	North Apt. Kitchen Counter	LAYER 1 Brown mastic	10%	cellulose	ND	None
P-1-2-13		LAYER 2 White/Gold mosaic laminate	99%	cellulose	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-2-14	North Apt. Kitchen Counter	LAYER 1 Brown mastic	10%	cellulose	ND	None
P-1-2-14		LAYER 2 White/Gold mosaic laminate	99%	cellulose	ND	None
P-1-2-15	North Apt. Kitchen Counter	LAYER 1 Brown mastic	10%	cellulose	ND	None
P-1-2-15		LAYER 2 White/Gold mosaic laminate	99%	cellulose	ND	None
P-1-2-16	South Apt. Kitchen Counter	LAYER 1 Dark Brown mastic	10%	cellulose	ND	None
P-1-2-16		LAYER 2 Yellow laminate	99%	cellulose	ND	None
P-1-2-17	South Apt. Kitchen Counter	LAYER 1 Dark Brown mastic	10%	cellulose	ND	None
P-1-2-17		LAYER 2 Yellow laminate	99%	cellulose	ND	None
P-1-2-18	South Apt. Kitchen Counter	LAYER 1 Dark Brown mastic	10%	cellulose	ND	None
P-1-2-18		LAYER 2 Yellow laminate	99%	cellulose	ND	None
P-1-2-19	Stairs & walls & ceilings	LAYER 1 White drywall	2%	cellulose	ND	None
P-1-2-19		LAYER 2 Grey smooth cement board		- - -	ND	None
P-1-2-20	Stairs & walls & ceilings	LAYER 1 White drywall	2%	cellulose	ND	None
P-1-2-20		LAYER 2 Grey smooth cement board		- - -	ND	None
P-1-2-21	Stairs & walls & ceilings	LAYER 1 White drywall	2%	cellulose	ND	None
P-1-2-21		LAYER 2 Grey smooth cement board		- - -	ND	None
P-1-2-22	Stairs & walls & ceilings	LAYER 1 White drywall	2%	cellulose	ND	None
P-1-2-22		LAYER 2 Grey smooth cement board		- - -	ND	None
P-1-2-23	Stairs & walls & ceilings	LAYER 1 White drywall	2%	cellulose	ND	None
P-1-2-23		LAYER 2 Grey smooth cement board		- - -	ND	None
P-1-2-24	Hall & landing	LAYER 1 Tan mastic	10%	synthetic fiber	ND	None
P-1-2-24		LAYER 2 Black felt backing	60%	synthetic fiber	ND	None
P-1-2-24		LAYER 3 Grey/Tan carpet	99%	synthetic fiber	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-1-2-25	Hall & landing	LAYER 1 Tan mastic	10%	synthetic fiber	ND	None
P-1-2-25		LAYER 2 Black felt backing	60%	synthetic fiber	ND	None
P-1-2-25		LAYER 3 Grey/Tan carpet	99%	synthetic fiber	ND	None
P-1-2-26	Hall & landing	LAYER 1 Tan mastic	10%	synthetic fiber	ND	None
P-1-2-26		LAYER 2 Black felt backing	60%	synthetic fiber	ND	None
P-1-2-26		LAYER 3 Grey/Tan carpet	99%	synthetic fiber	ND	None
P-1-2-27	Steps	LAYER 1 Black/Yellow mosaic pad		- - -	ND	None
P-1-2-27		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-2-28	Steps	LAYER 1 Black/Yellow mosaic pad		- - -	ND	None
P-1-2-28		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-2-29	Steps	LAYER 1 Black/Yellow mosaic pad		- - -	ND	None
P-1-2-29		LAYER 2 Grey carpet	99%	synthetic fiber	ND	None
P-1-2-30	North & South Apt. bathroom wall base	LAYER 1 Grey grout		- - -	ND	None
P-1-2-30		LAYER 2 Yellow 4"x4" ceramic tile		- - -	ND	None
P-1-2-31	North & South Apt. bathroom wall base	LAYER 1 Grey grout		- - -	ND	None
P-1-2-31		LAYER 2 Yellow 4"x4" ceramic tile		- - -	ND	None
P-1-2-32	North & South Apt. bathroom wall base	LAYER 1 Grey grout		- - -	ND	None
P-1-2-32		LAYER 2 Yellow 4"x4" ceramic tile		- - -	ND	None
P-1-2-33	North & South Apt. tub walls	LAYER 1 White plaster		- - -	ND	None
P-1-2-33		LAYER 2 Grey grout		- - -	ND	None
P-1-2-33		LAYER 3 Brown 2'x1' porcelain tile		- - -	ND	None
P-1-2-34	North & South Apt. tub walls	LAYER 1 White plaster		- - -	ND	None
P-1-2-34		LAYER 2 Grey grout		- - -	ND	None
P-1-2-34		LAYER 3 Brown 2'x1' porcelain tile		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
P-1-2-35	North & South Apt. tub walls	LAYER 1 White plaster	- - -	ND	None
P-1-2-35		LAYER 2 Grey grout	- - -	ND	None
P-1-2-35		LAYER 3 Brown 2'x1' porcelain tile	- - -	ND	None
P-1-2-36	North & South Apt. tub walls	LAYER 1 White plaster	- - -	ND	None
P-1-2-36		LAYER 2 Grey grout	- - -	ND	None
P-1-2-36		LAYER 3 Colorless glass tile	- - -	ND	None
P-1-2-37	North & South Apt. tub walls	LAYER 1 White plaster	- - -	ND	None
P-1-2-37		LAYER 2 Grey grout	- - -	ND	None
P-1-2-37		LAYER 3 Colorless glass tile	- - -	ND	None
P-1-2-38	North & South Apt. tub walls	LAYER 1 White plaster	- - -	ND	None
P-1-2-38		LAYER 2 Grey grout	- - -	ND	None
P-1-2-38		LAYER 3 Colorless glass tile	- - -	ND	None
P-1-2-39	North Apt. bathroom floor top layer	LAYER 1 Grey/Black mastic	- - -	ND	None
P-1-2-39		LAYER 2 Grey peel & stick vinyl floor	- - -	ND	None
P-1-2-40	North Apt. bathroom floor top layer	LAYER 1 Grey/Black mastic	- - -	ND	None
P-1-2-40		LAYER 2 Grey peel & stick vinyl floor	- - -	ND	None
P-1-2-41	North Apt. bathroom floor top layer	LAYER 1 Grey/Black mastic	- - -	ND	None
P-1-2-41		LAYER 2 Grey peel & stick vinyl floor	- - -	ND	None
P-1-2-42	North Apt. bathroom floor bottom layer & South Apt. bathroom floor	LAYER 1 Grey grout	- - -	ND	None
P-1-2-42		LAYER 2 Red 4"x4" porcelain tile	- - -	ND	None
P-1-2-43	North Apt. bathroom floor bottom layer & South Apt. bathroom floor	LAYER 1 Grey grout	- - -	ND	None
P-1-2-43		LAYER 2 Red 4"x4" porcelain tile	- - -	ND	None
P-1-2-44	North Apt. bathroom floor bottom layer & South Apt. bathroom floor	LAYER 1 Grey grout	- - -	ND	None
P-1-2-44		LAYER 2 Red 4"x4" porcelain tile	- - -	ND	None

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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, 2022. 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.

Analyzed by: Joel Corso, Laboratory Analyst

Reviewed by: Kathleen Williamson, Laboratory Manager

Date Issued
02/23/2022

Exhibits

ID 1229-04-21 #12

Removal, Grading, Backfill

Site Diagram

Photos
*Taken from appraisal done by Metropolitan Appraisals

Location Map

Asbestos Inspection and Abatement Report

REMOVE: Razing and removing a Two story, 2,268 SF single family house with a three-car detached garage, miscellaneous fire damaged dilapidated outbuildings, in- ground pool, concrete patios, concrete/asphalt driveway, well, 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.

Utility disconnects shall be done prior by WisDOT.

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

ID 1229-04-21 Parcel 12, 645 w. Good Hope Road, River Hills, WI

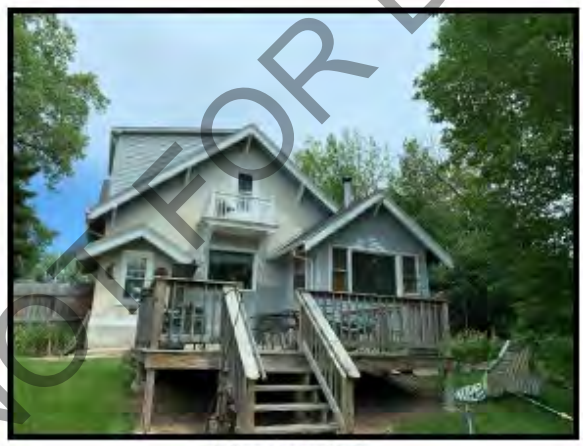
PHOTOS OF THE SUBJECT

1.) View facing south

2.) View facing south

3.) View facing southeast

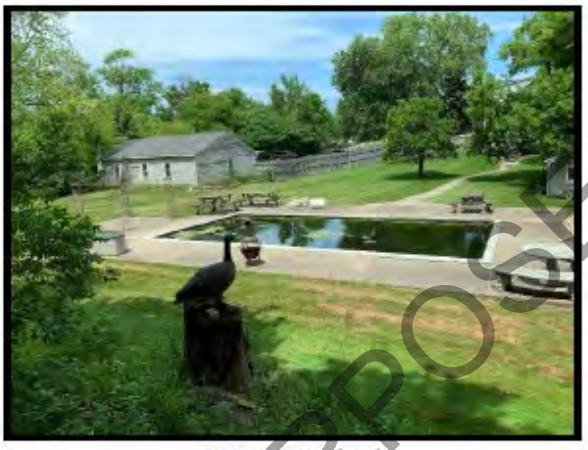
4.) View facing northeast



5.) View facing northeast

6.) View facing northwest

7.) View facing southwest



8.) View of facing northwest

9.) View facing south

10.) View facing northwest

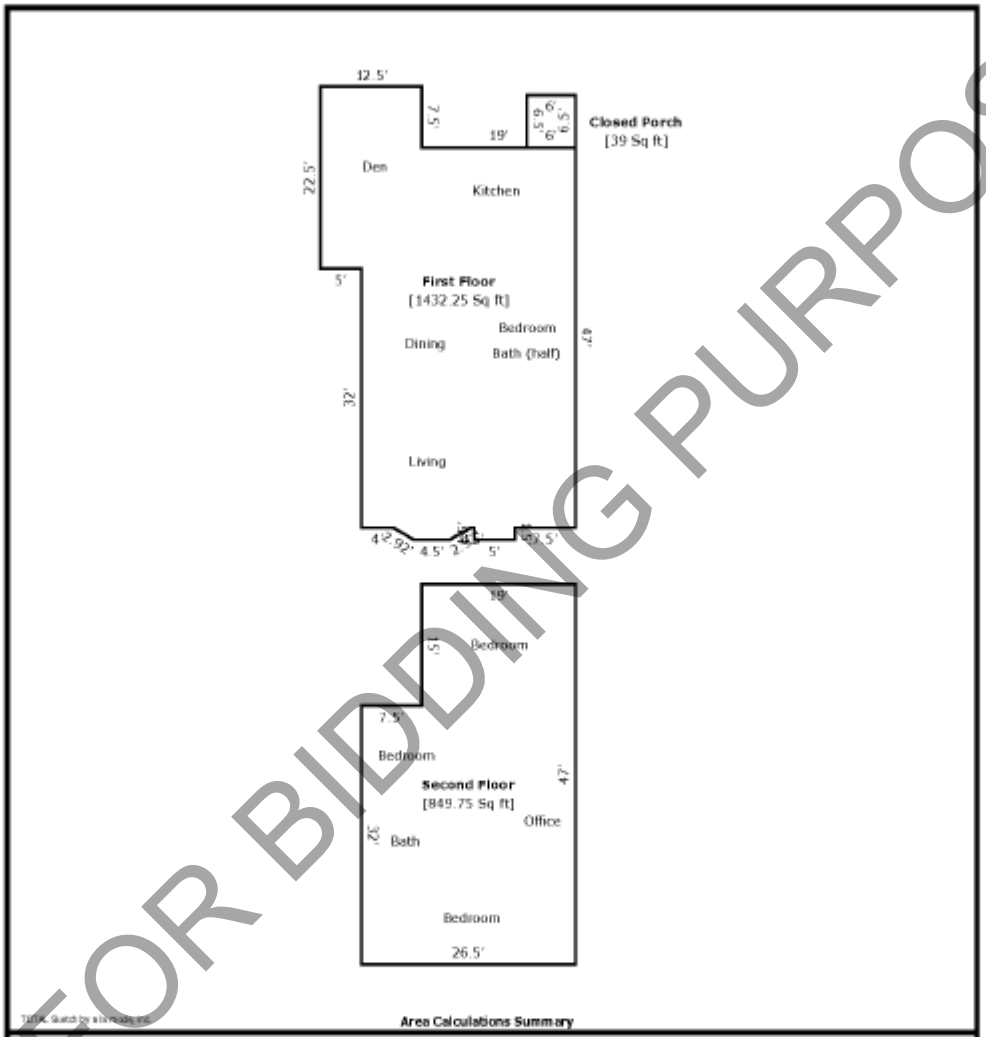
11.) View facing west along W. Good Hope Road

12.) View facing east along W. Good Hope Road

PARTIALLY FIRE-DAMAGED BUILDINGS

ID 1229-04-21 Parcel 12, 645 w. Good Hope Road, River Hills, WI

BUILDING SKETCH



TOTAL Sketch by a la mode, inc.

Area Calculations Summary

Living Area		Calculation Details		
First Floor	1432.25 Sq ft	5 × 1.5	=	7.5
		0.5 × 2.5 × 1.5	=	1.88
		0.5 × 1.5 × 2.5	=	1.88
		4.5 × 1.5	=	6.75
		26.5 × 32	=	848
		15 × 19	=	285
		22.5 × 12.5	=	281.25
Second Floor (x 0.75)	849.75 Sq ft	26.5 × 32	=	848
		15 × 19	=	285
Total Living Area (Rounded):	**2282 Sq ft**			
Non-living Area				
Closed Porch	39 Sq ft	6 × 6.5	=	39

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

ID 1229-04-21 Parcel 12, 645 w. Good Hope Road, River Hills, WI

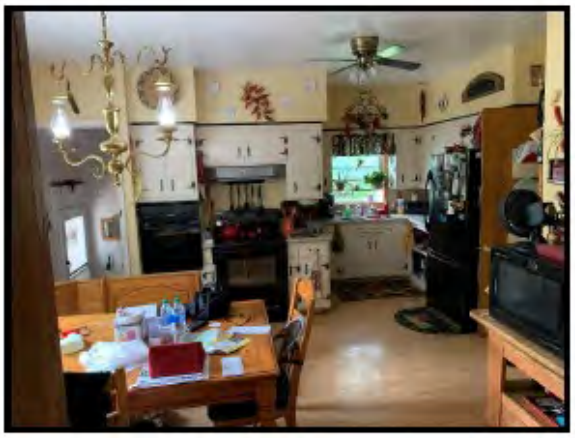
DESCRIPTION OF IMPROVEMENTS

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.

Year built:	1920
Number of stories:	1.5 story
Above grade square feet:	2,282 square feet (appraiser measurement)
Bedrooms:	5
Baths:	1.5
Below grade square feet:	+/-1,121 square feet (per assessor)
Below grade finished area:	None
Building frame:	Wood
Roof type:	Asphalt shingle
Exterior:	Stucco/Vinyl
Heating:	Radiant - boiler
Cooling:	None
Garage:	Detached, 3-car
Fuel type:	Natural gas
Electrical:	200-amp service
Water heater:	50-gallon electric water heater
Porch/deck/patios:	2 open porches, wood deck, patio
Driveway:	Asphalt
Landscaping:	Average
Other:	Gas fireplace, wood stove
Other Site Improvements:	In-ground pool with patio surround and pool shed, cedar fence
Other Buildings:	The subject has two additional buildings totaling approximately 1,300 square feet. The buildings were damaged by fire around 2009. The fire also destroyed buildings (their foundations remain) that were connected to these structures. No professional contractor repair or cleanup estimates are available for review. It is an extraordinary assumption that the repair or cleanup costs are equal to their remaining contributory value. The use of this extraordinary assumption may alter the appraisal results.

Condition:	The interior and exterior of the property is in overall good condition. Recent updates include conversion of an enclosed porch to a den with wood panel cathedral ceilings, wood flooring, French doors, and wood burning stove, laminate kitchen countertops, paint in kitchen and dining room, half bath pedestal and tile flooring, boiler, aluminum storm windows and trim, deck, and cedar fencing.
Quality of Construction:	Average interior and exterior finishes

INTERIOR PHOTOS



1.) Kitchen

2.) Kitchen

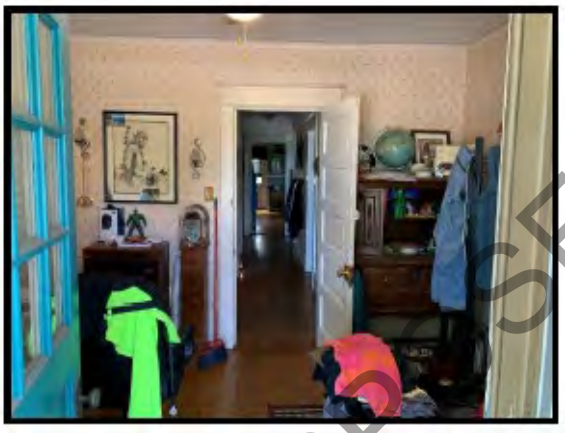
3.) Den

4.) Dining Room

5.) Living Room

6.) Bedroom – 1st floor

7.) Half bath – 1st floor



8.) Bedroom – 2nd floor

9.) Full Bath – 2nd Floor

10.) Bedroom – 2nd floor

11.) Bedroom – 2nd floor

12.) Bedroom – 2nd floor

LOCATION MAP

ID 1229-04-21 Parcel 12, 645 w. Good Hope Road, River Hills, WI

Asbestos-Containing Material and Pre-Demolition Reconnaissance

645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County, Wisconsin

January 2022

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, AII-252595

Aaron Sobbe
WDHFS Asbestos Inspector, AII-271113

Daniel Haak, P.E.
Project Manager

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

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 645 W. Good Hope Road (Parcel 12) in the Village of River Hills, Milwaukee County, Wisconsin. The property contains a house and six outbuildings that will be demolished and the site cleared.

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

The following Category I non-friable ACM is present:

- Approximately 281.25 sq ft of black mastic and red vinyl tile on the den floor
- Approximately 16 lin ft of window glazing on outbuilding 1 windows
- Approximately 20 lin ft of window glazing on outbuilding 2 windows
- Approximately 9 lin ft of window glazing on outbuilding 3 windows
- Approximately 10 lin ft of window glazing on outbuilding 4 windows
- Approximately 3 lin ft of white caulk on outbuilding 4
- Approximately 5 lin ft of black caulk on outbuilding 4

The following friable ACM is present:

- Approximately 160 lin ft of asbestos insulation wrap on pipes in basement

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

1.0 Background

1.1 Introduction

The WisDOT has acquired the property at 645 W. Good Hope Road (Parcel 12) in the Village of River Hills, Milwaukee County, Wisconsin. The property contains a house and six outbuildings that will be demolished and the site cleared.

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

1.2 ACM Inspection

On December 8 and 16, 2021, TRC conducted an asbestos inspection of the property in order to determine the extent of ACM in the buildings, and to identify any ACM that would require management during demolition. This was accomplished by identifying, sampling, characterizing, quantifying, and laboratory-analyzing potential ACM.

2.0 ACM Delineation

2.1 ACM Sampling

TRC conducted an ACM survey of the buildings on December 8 and 16, 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 Aaron Sobbe, WDHFS Asbestos Inspector #AII-271113. 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 179 samples were collected during the December sampling event and analyzed for the presence of ACM. Materials sampled included: vinyl tiles and flooring with adhesive, laminate flooring with padding, mastic, mortar, ceramic tile with fiber backing and adhesive, carpet, carpet mat, caulk, multiple drywall textures, drywall, shingles, roofing paper, window glazing, siding paper, linoleum flooring, wallboard, wallpaper, concrete board, rubber membrane, and stucco. 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 281.25 sq ft of black mastic and red vinyl tile on the den floor
- Approximately 16 lin ft of window glazing on outbuilding 1 windows
- Approximately 20 lin ft of window glazing on outbuilding 2 windows
- Approximately 9 lin ft of window glazing on outbuilding 3 windows
- Approximately 10 lin ft of window glazing on outbuilding 4 windows
- Approximately 3 lin ft of white caulk on outbuilding 4
- Approximately 5 lin ft of black caulk on outbuilding 4

The following friable ACM is present:

- Approximately 160 lin ft of asbestos insulation wrap on pipes in basement

3.0 ACM Abatement

3.1 Summary of ACM

The following Category I non-friable ACM is present:

- Approximately 281.25 sq ft of black mastic and red vinyl tile on the den floor
- Approximately 16 lin ft of window glazing on outbuilding 1 windows
- Approximately 20 lin ft of window glazing on outbuilding 2 windows
- Approximately 9 lin ft of window glazing on outbuilding 3 windows
- Approximately 10 lin ft of window glazing on outbuilding 4 windows
- Approximately 3 lin ft of white caulk on outbuilding 4
- Approximately 5 lin ft of black caulk on outbuilding 4

The following friable ACM is present:

- Approximately 160 lin ft of asbestos insulation wrap on pipes 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 281.25 sq ft of black mastic and red vinyl tile on the den floor
- Approximately 16 lin ft of window glazing on outbuilding 1 windows
- Approximately 20 lin ft of window glazing on outbuilding 2 windows
- Approximately 9 lin ft of window glazing on outbuilding 3 windows
- Approximately 10 lin ft of window glazing on outbuilding 4 windows
- Approximately 3 lin ft of white caulk on outbuilding 4
- Approximately 5 lin ft of black caulk on outbuilding 4

The following friable ACM is present:

- Approximately 160 lin ft of asbestos insulation wrap on pipes in basement

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

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
Name: 645 W. Good Hope Road (Parcel 12)
Location: River Hills, Milwaukee County
Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: 12/8/2021, 12/16/2021
Samples Collected By: Tom Perkins, Aaron Sobbe
Asbestos Inspector Number: AII-252595, AII-271113

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
House							
P-12-001	1st floor kitchen closet floor	Backing/adhesive (layer 1), 12"x12" vinyl tile (layer 2)	Brown (layer 1), Gray/Blue (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-002	1st floor stairs to basement			Good	PLM, non-detect (all layers)	No ACM	
P-12-003	1st floor kitchen floor			Good	PLM, non-detect (all layers)	No ACM	
P-12-004	1st floor kitchen floor	Padding (layer 1), laminate flooring (layer 2)	White (layer 1), brown (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-005				Good	PLM, non-detect (all layers)	No ACM	
P-12-006				Good	PLM, non-detect (all layers)	No ACM	
P-12-007	1st floor kitchen floor	Backing/adhesive (layer 1), vinyl flooring (layer 2)	Black/brown (layer 1), tan/brown (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-008	1st floor kitchen closet floor			Good	PLM, non-detect (all layers)	No ACM	
P-12-009	1st floor kitchen floor			Good	PLM, non-detect (all layers)	No ACM	
P-12-010	1st floor den floor	Padding (layer 1), laminate flooring (layer 2)	Gray (layer 1), Brown (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-011				Good	PLM, non-detect (all layers)	No ACM	
P-12-012				Good	PLM, non-detect (all layers)	No ACM	
P-12-013	1st floor den floor	Mastic (layer 1), vinyl tile (layer 2)	Black (layer 1), red (layer 2)	Good	PLM, 20% (layer 1), 3% (layer 2)	Non-friable	281.25 sq ft
P-12-014				Good	NA/PS	Non-friable	
P-12-015				Good	NA/PS	Non-friable	
P-12-016	1st floor den fireplace	Mortar	Gray	Good	PLM, non-detect	No ACM	0
P-12-017				Good	PLM, non-detect	No ACM	
P-12-018				Good	PLM, non-detect	No ACM	
P-12-019	1st floor kitchen counter	Adhesive (layer 1), counter surface (layer 2)	Clear (layer 1), tan (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-020				Good	PLM, non-detect (all layers)	No ACM	
P-12-021				Good	PLM, non-detect (all layers)	No ACM	
P-12-022	1st floor living room fireplace	Mortar	Gray/black	Good	PLM, non-detect	No ACM	0
P-12-023				Good	PLM, non-detect	No ACM	
P-12-024				Good	PLM, non-detect	No ACM	

Table 1 - Asbestos Survey Log and Bulk Asbestos Analytical Results

Client: WisDOT
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Location: River Hills, Milwaukee County
Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: 12/8/2021, 12/16/2021
Samples Collected By: Tom Perkins, Aaron Sobbe
Asbestos Inspector Number: AII-252595, AII-271113

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-025	1st floor bath floor	Adhesive (layer 1), fiber backing (layer 2), ceramic tile (layer 3)	Cream (layer 1), gray (layer 2), green (layer 3)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-026				Good	PLM, non-detect (all layers)	No ACM	
P-12-027				Good	PLM, non-detect (all layers)	No ACM	
P-12-028	Stairs from 1st floor to 2nd floor	Carpet	Green	Good	PLM, non-detect	No ACM	0
P-12-029				Good	PLM, non-detect	No ACM	
P-12-030				Good	PLM, non-detect	No ACM	
P-12-031	1st floor to 2nd floor stairs landing	Carpet	Tan	Good	PLM, non-detect	No ACM	0
P-12-032				Good	PLM, non-detect	No ACM	
P-12-033				Good	PLM, non-detect	No ACM	
P-12-034	2nd floor bedroom 1 closet floor	Mat (layer 1), carpet (layer 2)	Black (layer 1), green (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-035				Good	PLM, non-detect (all layers)	No ACM	
P-12-036				Good	PLM, non-detect (all layers)	No ACM	
P-12-037	2nd floor bathroom floor	Adhesive (layer 1), vinyl flooring (layer 2)	Yellow (layer 1), tan (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-038				Good	PLM, non-detect (all layers)	No ACM	
P-12-039				Good	PLM, non-detect (all layers)	No ACM	
P-12-040	2nd floor bathroom, elevated step to shower	Ceramic tile	Tan	Good	PLM, non-detect	No ACM	0
P-12-041				Good	PLM, non-detect	No ACM	
P-12-042				Good	PLM, non-detect	No ACM	
P-12-043	Around basement window	Caulk	Gray	Good	PLM, non-detect	No ACM	0
P-12-044				Good	PLM, non-detect	No ACM	
P-12-045				Good	PLM, non-detect	No ACM	
P-12-046	1st floor living room walls	Skim coat (layer 1), base coat (layer 2)	White (layer 1), gray (layer 2)	Good	PLM, non-detect	No ACM	0
P-12-047	2nd floor bedroom 4 walls			Good	PLM, non-detect (all layers)	No ACM	
P-12-048	2nd floor bedroom 1 walls			Good	PLM, non-detect (all layers)	No ACM	
P-12-049	1st floor den walls			Good	PLM, non-detect (all layers)	No ACM	

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Location: River Hills, Milwaukee County
Project ID: 1229-04-21

Project Number: 441231.0000.0000
Sample Collection Date: 12/8/2021, 12/16/2021
Samples Collected By: Tom Perkins, Aaron Sobbe
Asbestos Inspector Number: AII-252595, AII-271113

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-050	1st floor living room walls	Orange peel texture (layer 1), drywall (layer 2)	White (layer 1), white (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-051				Good	PLM, non-detect (all layers)	No ACM	
P-12-052				Good	PLM, non-detect (all layers)	No ACM	
P-12-053	1st floor living room walls	Hand/smooth texture (layer 1), drywall (layer 2)	White (layer 1), gray (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-054				Good	PLM, non-detect (all layers)	No ACM	
P-12-055				Good	PLM, non-detect (all layers)	No ACM	
P-12-056	2nd floor bathroom ceiling	Popcorn texture (layer 1), drywall (layer 2)	White (layer 1), gray (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-057	1st floor living room walls			Good	PLM, non-detect (all layers)	No ACM	
P-12-058	1st floor living room walls			Good	PLM, non-detect (all layers)	No ACM	
--	Around pipes in basement	Asbestos pipe wrap insulation	White/gray	Good	Not tested, wrap has asbestos label on it	Friable	160 lin ft
Outbuilding 1 (small shed behind house)							
P-12-OB1-001	Outbuilding 1 roof	Asphalt shingles	Black	Good	PLM, non-detect	No ACM	0
P-12-OB1-002				Good	PLM, non-detect	No ACM	
P-12-OB1-003				Good	PLM, non-detect	No ACM	
P-12-OB1-004	Outbuilding 1 roof	Roofing paper	Black	Good	PLM, non-detect	No ACM	0
P-12-OB1-005				Good	PLM, non-detect	No ACM	
P-12-OB1-006				Good	PLM, non-detect	No ACM	
P-12-OB1-007	Outbuilding 1 around windows	Window glazing	Gray	Damaged	PLM, 3%	Non-friable	16 lin ft
P-12-OB1-008				Damaged	NA/PS	Non-friable	
P-12-OB1-009				Damaged	NA/PS	Non-friable	
Outbuilding 2 (detached garage)							
P-12-OB2-001	Outbuilding 2 roof	Asphalt shingles	Black	Good	PLM, non-detect	No ACM	0
P-12-OB2-002				Good	PLM, non-detect	No ACM	
P-12-OB2-003				Good	PLM, non-detect	No ACM	
P-12-OB2-004	Outbuilding 2 roof	Roofing paper	Black	Good	PLM, non-detect	No ACM	0
P-12-OB2-005				Good	PLM, non-detect	No ACM	
P-12-OB2-006				Good	PLM, non-detect	No ACM	
P-12-OB2-007	Outbuilding 2 around windows	Window glazing	Gray	Damaged	PLM, 3%	Non-friable	20 lin ft
P-12-OB2-008				Damaged	NA/PS	Non-friable	
P-12-OB2-009				Damaged	NA/PS	Non-friable	

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Samples Collected By: Tom Perkins, Aaron Sobbe
Asbestos Inspector Number: AII-252595, AII-271113

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-OB2-010	Outbuilding 2 exterior siding	Siding paper	Black	Good	PLM, non-detect	No ACM	0
P-12-OB2-011				Good	PLM, non-detect	No ACM	
P-12-OB2-012				Good	PLM, non-detect	No ACM	
P-12-OB2-013	Outbuilding 2 interior floor	Linoleum flooring	Tan	Good	PLM, non-detect	No ACM	0
P-12-OB2-014				Good	PLM, non-detect	No ACM	
P-12-OB2-015				Good	PLM, non-detect	No ACM	
P-12-OB2-016	Outbuilding 2 interior walls	Wallboard	White	Significantly damaged	PLM, non-detect	No ACM	0
P-12-OB2-017				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB2-018				Significantly damaged	PLM, non-detect	No ACM	
Outbuilding 3							
P-12-OB3-001	Outbuilding 3 roof	Asphalt shingles	Black/white	Damaged	PLM, non-detect	No ACM	0
P-12-OB3-002				Damaged	PLM, non-detect	No ACM	
P-12-OB3-003				Damaged	PLM, non-detect	No ACM	
P-12-OB3-004	Outbuilding 3 roof	Roofing paper	Black	Damaged	PLM, non-detect	No ACM	0
P-12-OB3-005				Damaged	PLM, non-detect	No ACM	
P-12-OB3-006				Damaged	PLM, non-detect	No ACM	
P-12-OB3-007	Outbuilding 3 interior walls	Paper	Black	Damaged	PLM, non-detect	No ACM	0
P-12-OB3-008				Damaged	PLM, non-detect	No ACM	
P-12-OB3-009				Damaged	PLM, non-detect	No ACM	
P-12-OB3-010	Outbuilding 3 exterior siding	Siding board	Brown	Significantly damaged	PLM, non-detect	No ACM	0
P-12-OB3-011				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB3-012				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB3-013	Outbuilding 3 around windows	Window glazing	Gray	Damaged	PLM, 10%	Non-friable	9 lin ft
P-12-OB3-014				Damaged	NA/PS	Non-friable	
P-12-OB3-015				Damaged	NA/PS	Non-friable	
Outbuilding 4							
P-12-OB4-001	Outbuilding 4 roof	Asphalt shingles	Black	Good	PLM, non-detect	No ACM	0
P-12-OB4-002				Good	PLM, non-detect	No ACM	
P-12-OB4-003				Good	PLM, non-detect	No ACM	
P-12-OB4-004	Outbuilding 4 roof	Roofing paper	Black	Good	PLM, non-detect	No ACM	0
P-12-OB4-005				Good	PLM, non-detect	No ACM	
P-12-OB4-006				Good	PLM, non-detect	No ACM	
P-12-OB4-007	Outbuilding 4 around windows	Window glazing	Gray	Damaged	PLM, 3%	Non-friable	10 lin ft
P-12-OB4-008				Damaged	NA/PS	Non-friable	
P-12-OB4-009				Damaged	NA/PS	Non-friable	

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SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-OB4-010	Outbuilding 4 interior walls	Paper	Black	Significantly damaged	PLM, non-detect	No ACM	0
P-12-OB4-011				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB4-012				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB4-013	Outbuilding 4	Caulk	White	Significantly damaged	PLM, 5%	Non-friable	3 lin ft
P-12-OB4-014				Significantly damaged	NA/PS	Non-friable	
P-12-OB4-015				Significantly damaged	NA/PS	Non-friable	
P-12-OB4-016	Outbuilding 4	Caulk	Black	Significantly damaged	PLM, 3%	Non-friable	5 lin ft
P-12-OB4-017				Significantly damaged	NA/PS	Non-friable	
P-12-OB4-018				Significantly damaged	NA/PS	Non-friable	
P-12-OB4-019	Outbuilding 4	Caulk	Tan	Significantly damaged	PLM, non-detect	No ACM	0
P-12-OB4-020				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB4-021				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB4-022	Outbuilding 4	Caulk	Gray	Good	PLM, non-detect	No ACM	0
P-12-OB4-023				Good	PLM, non-detect	No ACM	
P-12-OB4-024				Good	PLM, non-detect	No ACM	
P-12-OB4-025	Outbuilding 4 chimney	Mortar	Gray	Good	PLM, non-detect	No ACM	0
P-12-OB4-026				Good	PLM, non-detect	No ACM	
P-12-OB4-027				Good	PLM, non-detect	No ACM	
P-12-OB4-028	Outbuilding 4	Mastic (layer 1), ceramic tile (layer 2)	White (layer 1), white (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-OB4-029				Good	PLM, non-detect (all layers)	No ACM	
P-12-OB4-030				Good	PLM, non-detect (all layers)	No ACM	
P-12-OB4-031	Outbuilding 4	Mastic (layer 1), ceramic tile (layer 2)	Yellow (layer 1), blue (layer 2)	Good	PLM, non-detect (all layers)	No ACM	0
P-12-OB4-032				Good	PLM, non-detect (all layers)	No ACM	
P-12-OB4-033				Good	PLM, non-detect (all layers)	No ACM	

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Samples Collected By: Tom Perkins, Aaron Sobbe
Asbestos Inspector Number: AII-252595, AII-271113

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-OB4-034	Outbuilding 4	Concrete board	Tan/gray	Significantly damaged	PLM, non-detect	No ACM	0
P-12-OB4-035				Significantly damaged	PLM, non-detect	No ACM	
P-12-OB4-036				Significantly damaged	PLM, non-detect	No ACM	
Outbuilding 5							
P-12-OB5-001	Outbuilding 5 roof	Asphalt shingles	Black/green	Damaged	PLM, non-detect	No ACM	0
P-12-OB5-002				Damaged	PLM, non-detect	No ACM	
P-12-OB5-003				Damaged	PLM, non-detect	No ACM	
P-12-OB5-004	Outbuilding 5 roof	Roofing paper	Black	Damaged	PLM, non-detect	No ACM	0
P-12-OB5-005				Damaged	PLM, non-detect	No ACM	
P-12-OB5-006				Damaged	PLM, non-detect	No ACM	
P-12-OB5-007	Outbuilding 5 exterior	Siding paper	Black	Good	PLM, non-detect	No ACM	0
P-12-OB5-008				Good	PLM, non-detect	No ACM	
P-12-OB5-009				Good	PLM, non-detect	No ACM	
Outbuilding 6							
P-12-OB6-001	Outbuilding 6 roof	Asphalt shingles	Black/green	Damaged	PLM, non-detect	No ACM	0
P-12-OB6-002				Damaged	PLM, non-detect	No ACM	
P-12-OB6-003				Damaged	PLM, non-detect	No ACM	
P-12-OB6-004	Outbuilding 6 roof	Roofing paper	Black	Damaged	PLM, non-detect	No ACM	0
P-12-OB6-005				Damaged	PLM, non-detect	No ACM	
P-12-OB6-006				Damaged	PLM, non-detect	No ACM	
House Exterior							
P-12-EXT-001	House exterior window	Window glazing	White/gray	Good	PLM, non-detect	No ACM	0
P-12-EXT-002				Good	PLM, non-detect	No ACM	
P-12-EXT-003				Good	PLM, non-detect	No ACM	
P-12-EXT-004				Good	PLM, non-detect	No ACM	
P-12-EXT-005				Good	PLM, non-detect	No ACM	
P-12-EXT-006	Cracks in concrete along house foundation	Caulk	Gray	Good	PLM, non-detect	No ACM	0
P-12-EXT-007	Cracks in concrete along house foundation			Good	PLM, non-detect	No ACM	
P-12-EXT-008	Cracks in concrete slab			Good	PLM, non-detect	No ACM	
P-12-EXT-009	Porch roof	Shingles	Black	Good	PLM, non-detect	No ACM	0
P-12-EXT-010				Good	PLM, non-detect	No ACM	
P-12-EXT-011				Good	PLM, non-detect	No ACM	
P-12-EXT-012	Porch roof	Roofing paper	Black	Good	PLM, non-detect	No ACM	0
P-12-EXT-013				Good	PLM, non-detect	No ACM	
P-12-EXT-014				Good	PLM, non-detect	No ACM	

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SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	COLOR	CONDITION	ANALYTICAL METHOD AND RESULTS	FRIABLE/ NON-FRIABLE	QUANTITY
P-12-EXT-015	Around roof vent	Caulk	Gray	Good	PLM, non-detect	No ACM	0
P-12-EXT-016	Around roof vent			Good	PLM, non-detect	No ACM	
P-12-EXT-017	Around base of chimney			Good	PLM, non-detect	No ACM	
P-12-EXT-018	House roof	Shingles	Black	Good	PLM, non-detect	No ACM	0
P-12-EXT-019				Good	PLM, non-detect	No ACM	
P-12-EXT-020				Good	PLM, non-detect	No ACM	
P-12-EXT-021	House flat roof	Rubber membrane	Black	Good	PLM, non-detect	No ACM	0
P-12-EXT-022				Good	PLM, non-detect	No ACM	
P-12-EXT-023				Good	PLM, non-detect	No ACM	
P-12-EXT-024	House exterior	Stucco	Gray	Good	PLM, non-detect	No ACM	0
P-12-EXT-025				Good	PLM, non-detect	No ACM	
P-12-EXT-026				Good	PLM, non-detect	No ACM	
P-12-EXT-027				Good	PLM, non-detect	No ACM	
P-12-EXT-028				Good	PLM, non-detect	No ACM	

Notes:

PLM = Polarized Light Microscopy

Not Analyzed, Positive Stop

Created By: A. Voit

Checked By: D. Haak

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.

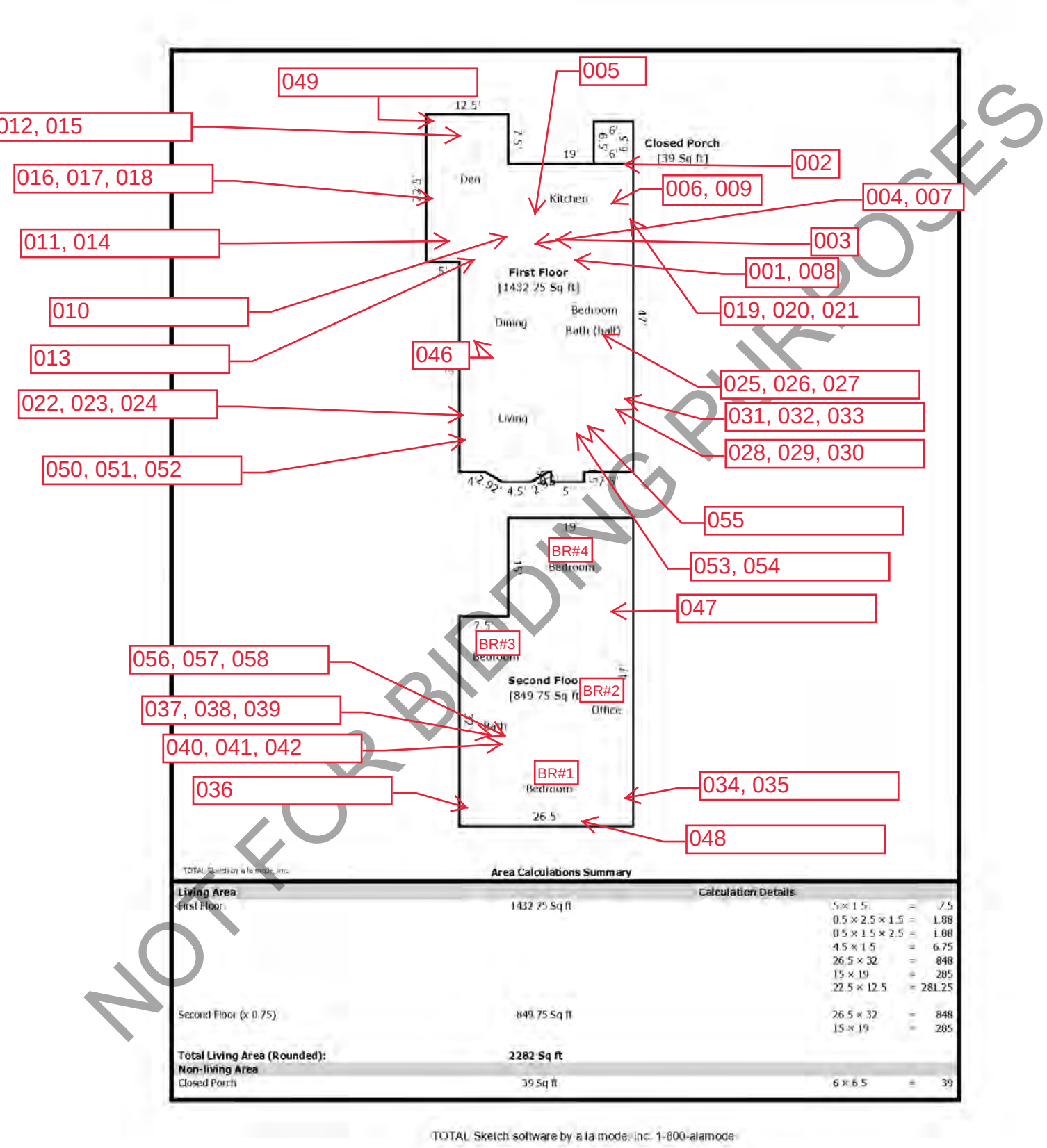
Damaged: The material is friable that has deteriorated or sustained physical damage.

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

FIGURE 1 - SITE LOCATION MAP

645 W. GOOD HOPE ROAD (PARCEL 12), River Hills

BUILDING SKETCH



SUBJECT AERIAL

Property Boundary

ID 1229-04-21 Parcel 12, 645 w. Good Hope Road, River Hills, WI

Appendix A: Photographs

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
1	12/8/2021

Description
Looking east at the house from the driveway

Photo No.	Date
2	12/8/2021

Description
Looking south at outbuilding 2, the detached garage

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
3	12/8/2021

Description
Looking west at the damaged outbuildings

Photo No.	Date
4	12/8/2021

Description
Looking northeast at the backside of the house and outbuilding 1 on the right

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
5	12/8/2021

Description
Front entryway

Photo No.	Date
6	12/8/2021

Description
Living room

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
7	12/8/2021

Description
Living room

Photo No.	Date
8	12/8/2021

Description
Living room and dining room

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
9	12/8/2021

Description
Dining room

Photo No.	Date
10	12/8/2021

Description
Dining room

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
11	12/8/2021

Description
1st floor bedroom

Photo No.	Date
12	12/8/2021

Description
1st floor bathroom

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
13	12/8/2021

Description
Kitchen

Photo No.	Date
14	12/8/2021

Description
Kitchen

Photographic Log

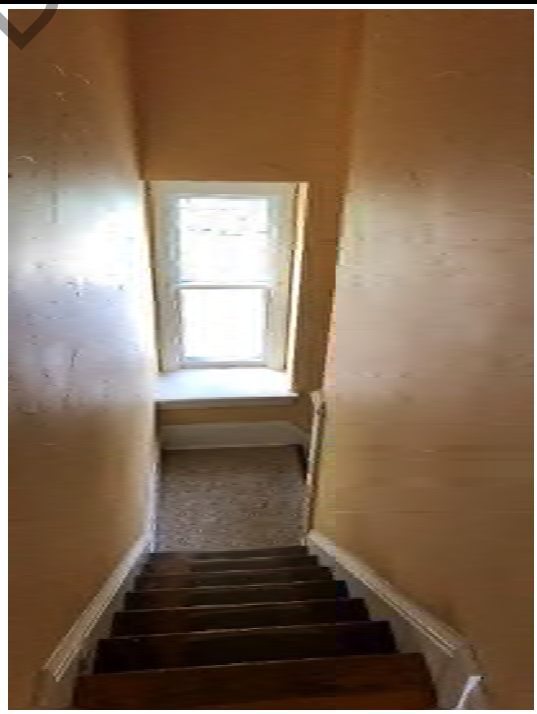
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
15	12/8/2021

Description
Den

Photo No.	Date
16	12/8/2021

Description
Stairway from 1st floor to 2nd floor



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
17	12/8/2021

Description
2nd floor hallway

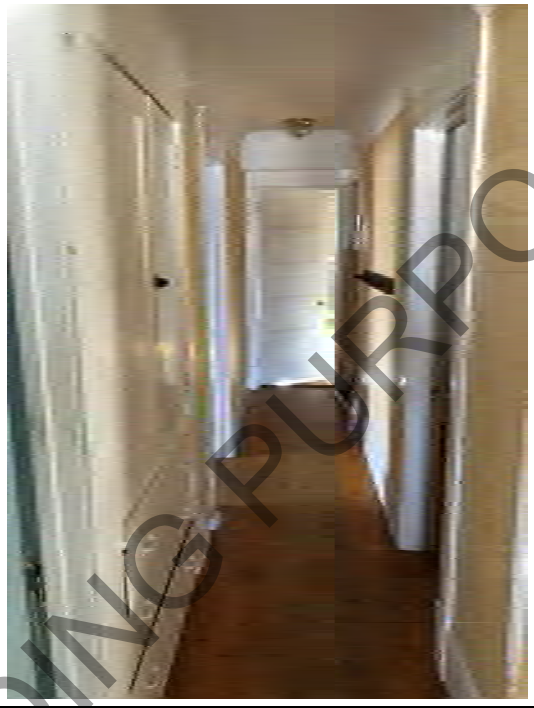


Photo No.	Date
18	12/8/2021

Description
2nd floor bedroom

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
19	12/8/2021

Description
2nd floor bedroom

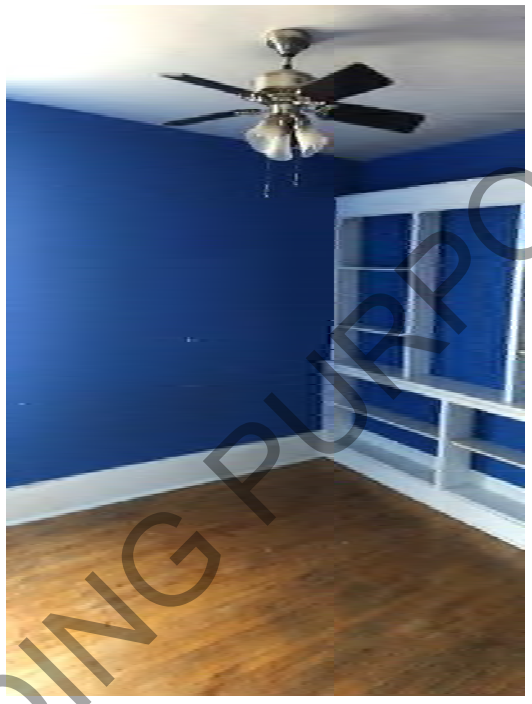
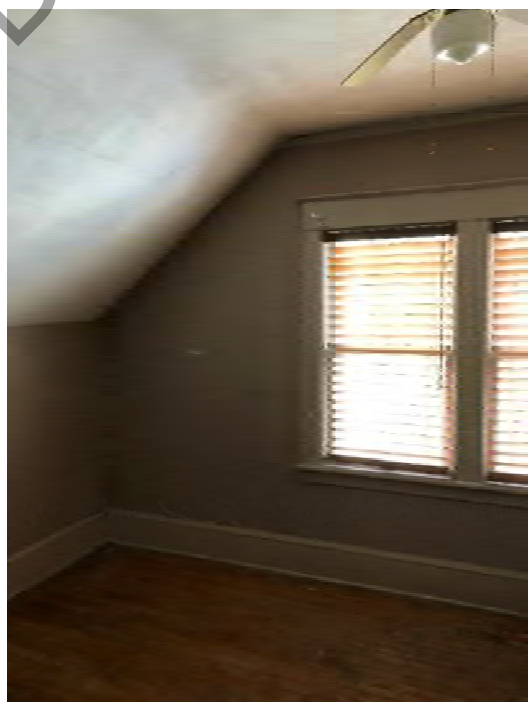


Photo No.	Date
20	12/8/2021

Description
2nd floor bedroom



Photographic Log

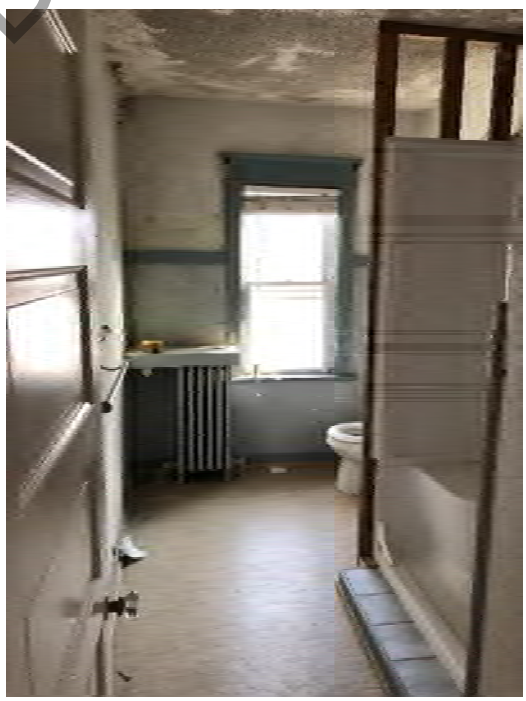
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
21	12/8/2021

Description
2nd floor bedroom

Photo No.	Date
22	12/8/2021

Description
2nd floor bathroom



Photographic Log

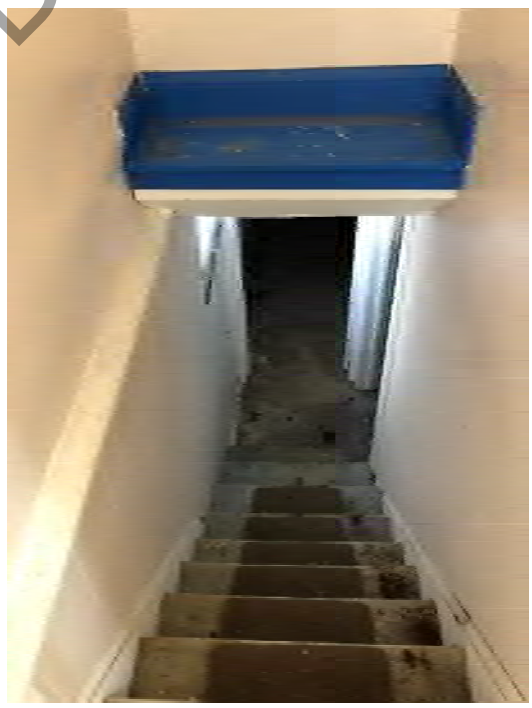
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
23	12/8/2021

Description
Stairway from kitchen to basement

Photo No.	Date
24	12/8/2021

Description
Stairway to basement



Photographic Log

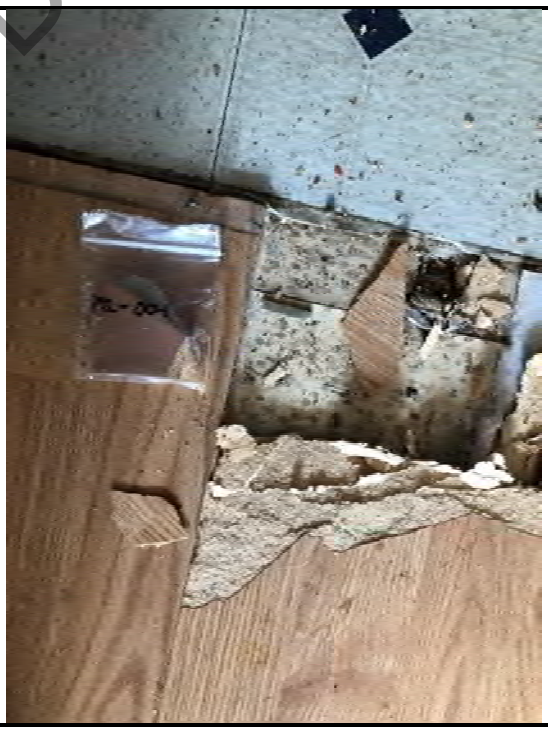
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
25	12/8/2021

Description
Gray & dark blue 12"x12" vinyl tile with backing/ adhesive on kitchen floor, kitchen closet floor, and stairs to basement is non-detect for ACM

Photo No.	Date
26	12/8/2021

Description
Brown laminate flooring with padding on kitchen floor is non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
27	12/8/2021

Description
Black & brown vinyl flooring with backing/adhesive on kitchen floor and kitchen closet floor (under vinyl tiles and laminate flooring) is non-detect for ACM

Photo No.	Date
28	12/8/2021

Description
Laminate flooring with padding on den floor is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
29	12/8/2021

Description
Red vinyl tiles under the laminate flooring on the den floor contains 3% non-friable ACM and the black mastic contains 20% non-friable ACM

Photo No.	Date
30	12/8/2021

Description
Mortar in the den fireplace is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
31	12/8/2021

Description
Countertop with adhesive in kitchen is non-detect for ACM

Photo No.	Date
32	12/8/2021

Description
Mortar in living room fireplace is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
33	12/8/2021

Description
Green ceramic tile with fiber backing and adhesive on 1st floor bathroom floor is all non-detect for ACM

Photo No.	Date
34	12/8/2021

Description
Green carpet on stairs to 2nd floor is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
35	12/8/2021

Description
Tan carpet on 1st floor to 2nd floor stairs landing is non-detect for ACM

Photo No.	Date
36	12/8/2021

Description
Green carpet with black mat on 2nd floor bedroom 1 closet floor is non-detect for ACM

Photographic Log

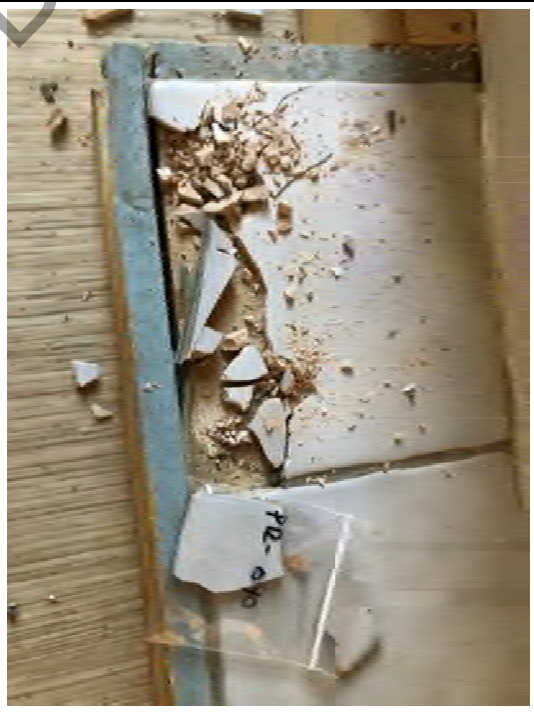
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
37	12/8/2021

Description
Vinyl flooring with adhesive on the 2nd floor bathroom floor is non-detect for ACM

Photo No.	Date
38	12/8/2021

Description
Ceramic tile on the elevated shower step in the 2nd floor bathroom is non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
39	12/8/2021

Description
Basement

Photo No.	Date
40	12/8/2021

Description
Basement

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
42	12/8/2021

Description
Basement

Photo No.	Date
43	12/8/2021

Description
Asbestos insulation wrap on pipes in basement

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
44	12/8/2021

Description
Asbestos insulation wrap on pipes in basement

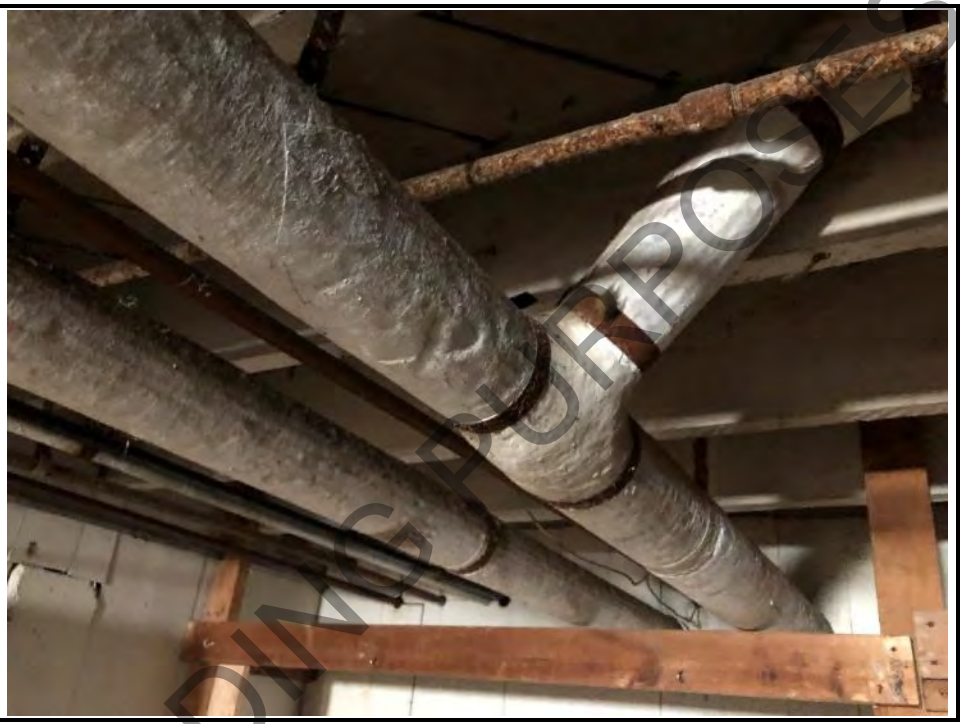


Photo No.	Date
45	12/8/2021

Description
Asbestos label on pipe wrap insulation

Photographic Log

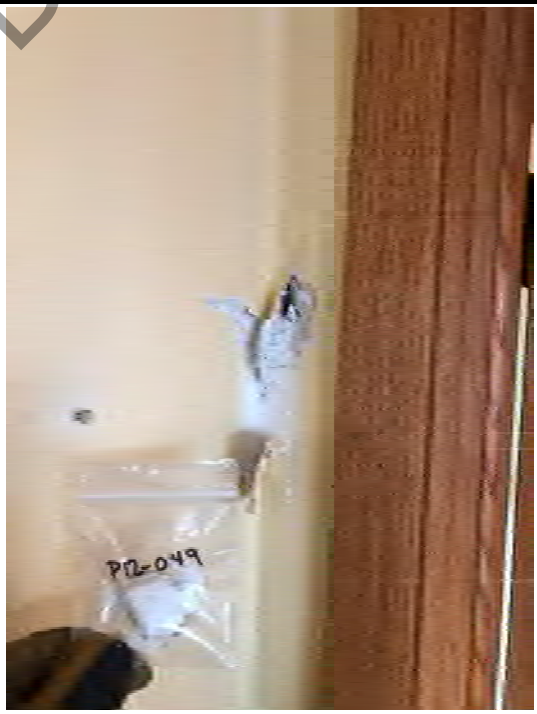
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
46	12/8/2021

Description
Caulk around basement window is non-detect for ACM

Photo No.	Date
47	12/8/2021

Description
Skim coat and drywall on bedroom and den walls are non-detect for ACM



Photographic Log

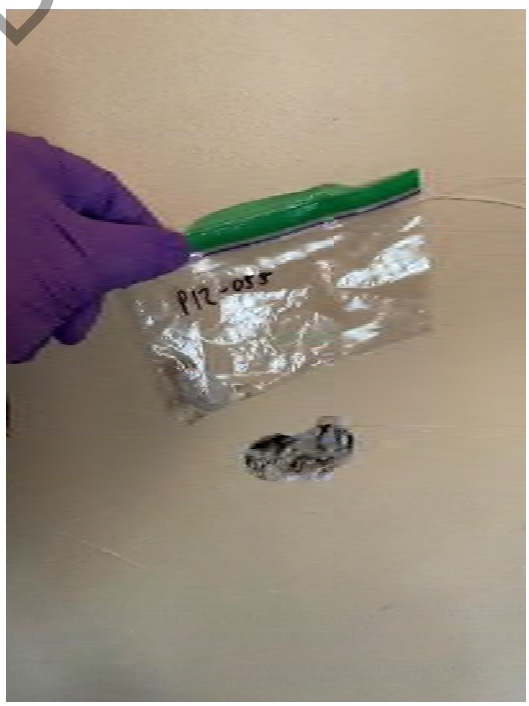
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
48	12/8/2021

Description
Orange peel texture and drywall on living room walls are non-detect for ACM

Photo No.	Date
49	12/8/2021

Description
Hand/smooth texture and drywall on living room walls are non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
50	12/8/2021

Description
Popcorn texture and drywall on 2nd floor ceiling and 1st floor living room walls are non-detect for ACM

Photo No.	Date
51	12/8/2021

Description
Outbuilding 1 (small shed) behind house

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
52	12/8/2021

Description
Shingles on outbuilding 1 roof are non-detect for ACM

Photo No.	Date
53	12/8/2021

Description
Roofing paper on outbuilding 1 roof is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
54	12/8/2021

Description
Window glazing around outbuilding 1 windows contains 3% non-friable ACM

Photo No.	Date
55	12/8/2021

Description
Interior of outbuilding 1

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
56	12/8/2021

Description
Front of outbuilding 2 (detached garage)

Photo No.	Date
57	12/8/2021

Description
Back of outbuilding 2 (detached garage)

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
58	12/8/2021

Description
Shingles on outbuilding 2 roof are non-detect for ACM

Photo No.	Date
59	12/8/2021

Description
Roofing paper on outbuilding 2 roof is non-detect for ACM

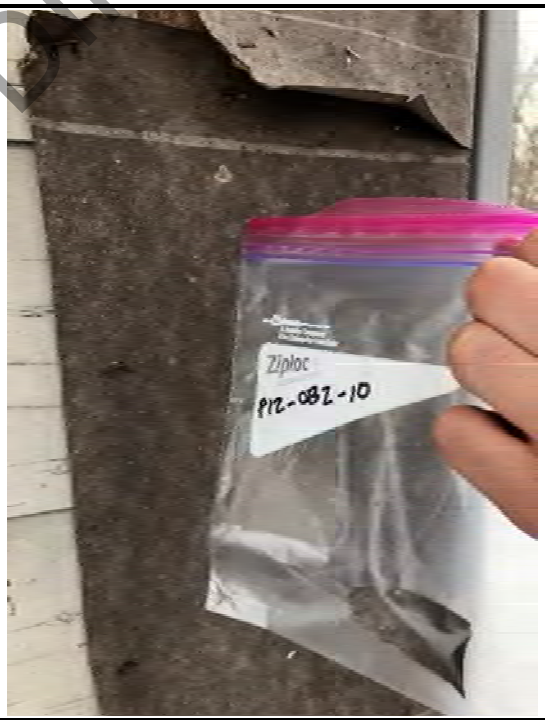
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
60	12/8/2021

Description
Window glazing around outbuilding 2 windows contains 3% non-friable ACM

Photo No.	Date
61	12/8/2021

Description
Black siding paper on outbuilding 2 exterior is non-detect for ACM



Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
62	12/8/2021

Description
Interior of outbuilding 2

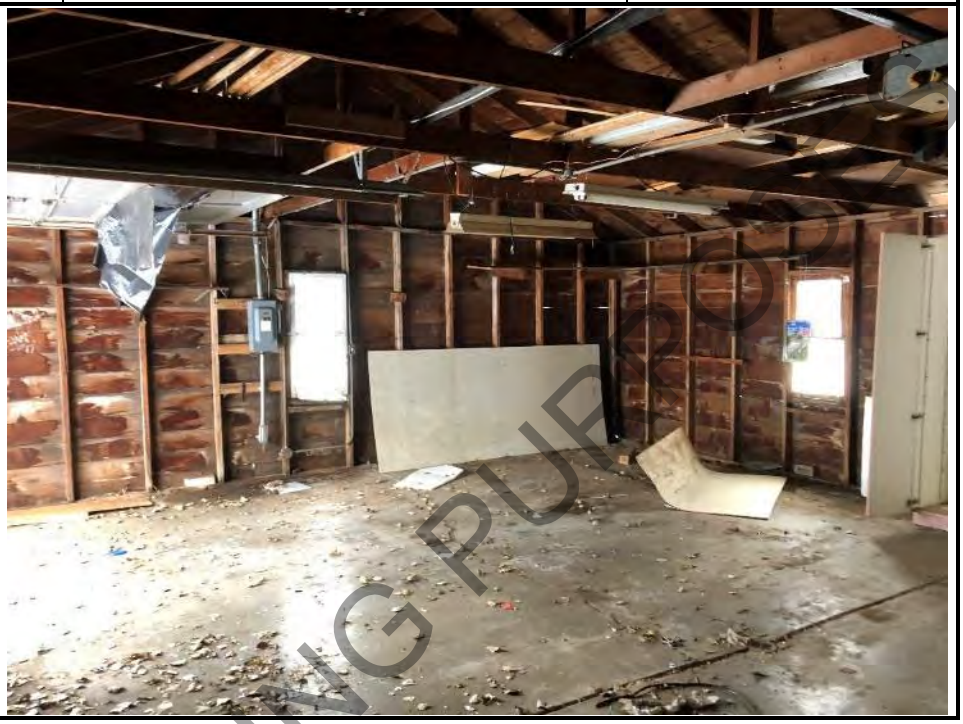


Photo No.	Date
63	12/8/2021

Description
Interior of outbuilding 2

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
64	12/8/2021

Description
Linoleum flooring on outbuilding 2 floor is non-detect for ACM

Photo No.	Date
65	12/8/2021

Description
Wallboard on outbuilding 2 interior walls is non-detect for ACM

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
66	12/8/2021

Description
Outbuilding 3

Photo No.	Date
67	12/8/2021

Description
Shingles on outbuilding 3 roof are non-detect for ACM

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
68	12/8/2021

Description
Roofing paper on outbuilding 3 roof is non-detect for ACM

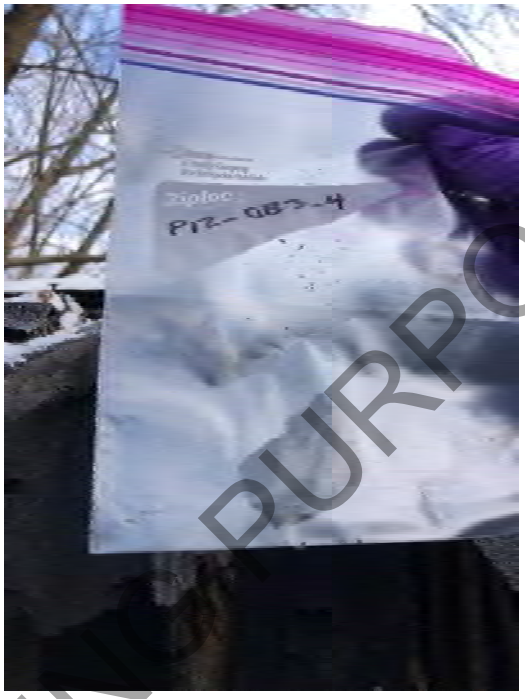


Photo No.	Date
69	12/8/2021

Description
Inside of outbuilding 3

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
70	12/8/2021

Description
Black paper on outbuilding 3 interior walls is non-detect for ACM

Photo No.	Date
71	12/8/2021

Description
Brown siding board on outbuilding 3 exterior walls is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
72	12/8/2021

Description
Window glazing around outbuilding 3 windows contains 10% non-friable ACM

Photo No.	Date
73	12/8/2021

Description
Exterior of outbuilding 4

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
74	12/8/2021

Description
Exterior of outbuilding 4

Photo No.	Date
75	12/8/2021

Description
Interior of outbuilding 4

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
76	12/8/2021

Description
Interior of outbuilding 4

Photo No.	Date
77	12/8/2021

Description
Shingles on outbuilding 4 roof are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
78	12/8/2021

Description
Black roofing paper on outbuilding 4 roof is non-detect for ACM

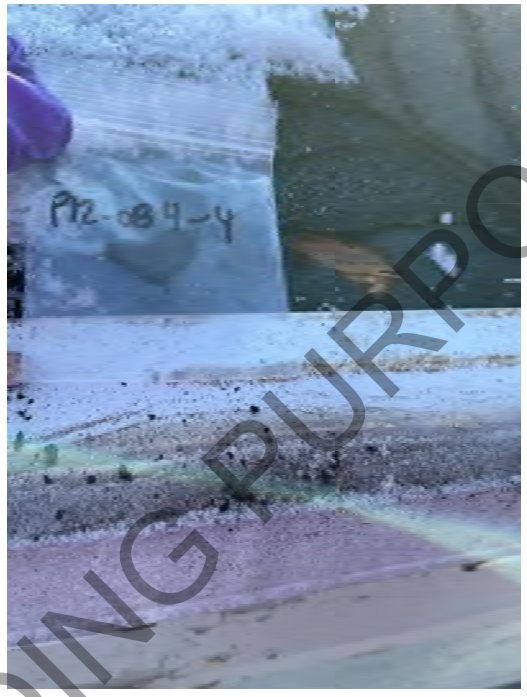


Photo No.	Date
79	12/8/2021

Description
Window glazing on outbuilding 4 windows contains 3% non-friable ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
80	12/8/2021

Description
Black paper on interior walls of outbuilding 4 is non-detect for ACM

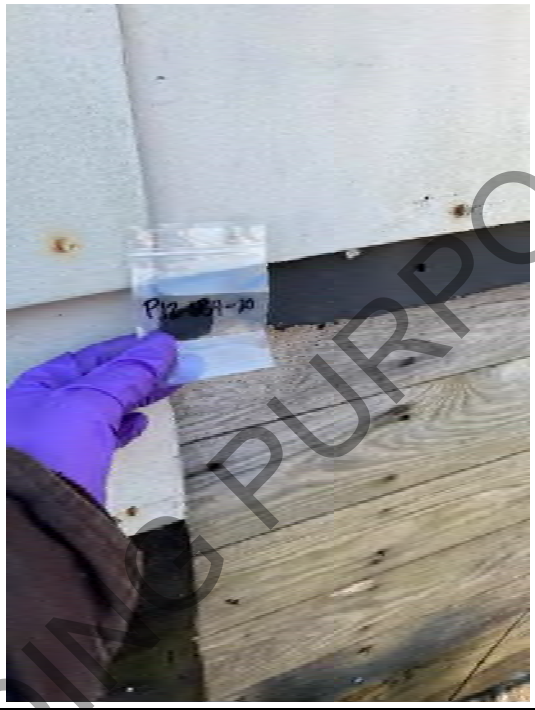


Photo No.	Date
81	12/8/2021

Description
White caulk on exterior of outbuilding 4 contains 5% non-friable ACM

Photographic Log

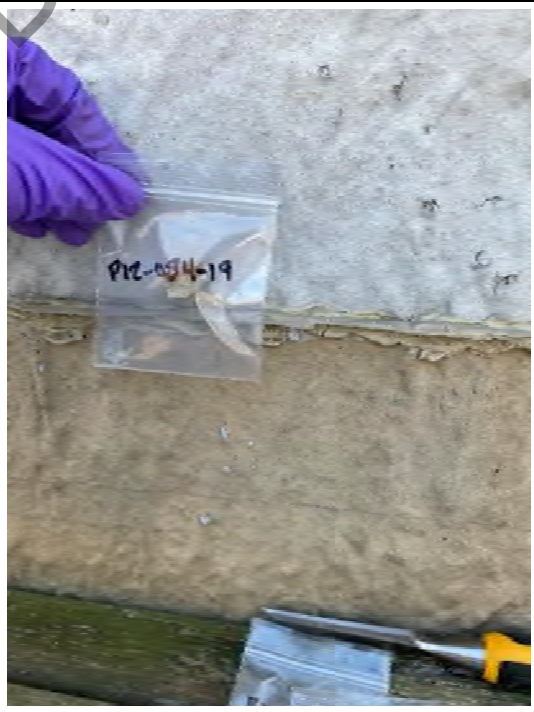
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
82	12/8/2021

Description
Black caulk on exterior of outbuilding 4 contains 3% non-friable ACM

Photo No.	Date
83	12/8/2021

Description
Tan caulk on exterior of outbuilding 4 is non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
84	12/8/2021

Description
Gray caulk on exterior of outbuilding 4 is non-detect for ACM

Photo No.	Date
85	12/8/2021

Description
Fuel oil tank

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
86	12/8/2021

Description
Inside of outbuilding 4

Photo No.	Date
87	12/8/2021

Description
Outbuilding 4

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
88	12/8/2021

Description
Gray mortar on outbuilding 4 chimney is non-detect for ACM

Photo No.	Date
89	12/8/2021

Description
Ceramic tile area in outbuilding 4

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
90	12/8/2021

Description
White ceramic tile with mastic in outbuilding 4 are non-detect for ACM

Photo No.	Date
91	12/8/2021

Description
Blue ceramic tile with mastic in outbuilding 4 are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
92	12/8/2021

Description
Outbuilding 4

Photo No.	Date
93	12/8/2021

Description
Outbuilding 4

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
94	12/8/2021

Description
Outbuilding 4

Photo No.	Date
95	12/8/2021

Description
Shingles on outbuilding 5 roof are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
96	12/8/2021

Description
Black roofing paper on outbuilding 5 roof is non-detect for ACM

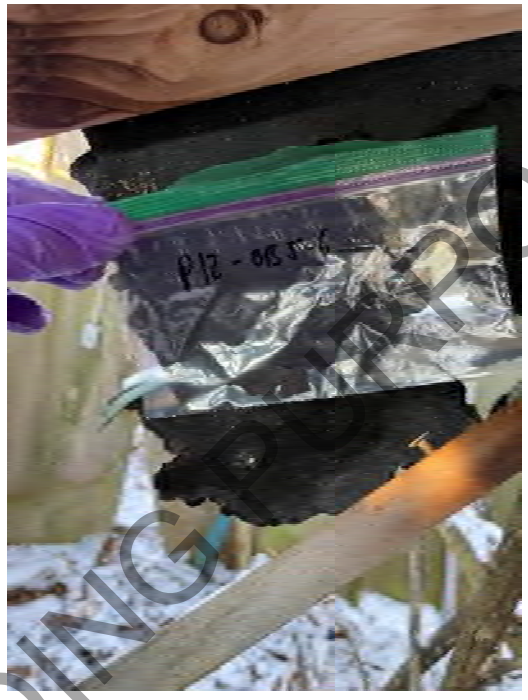


Photo No.	Date
97	12/8/2021

Description
Black siding paper on exterior of outbuilding 5 is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
98	12/8/2021

Description
Shingles on outbuilding 6 are non-detect for ACM

Photo No.	Date
99	12/8/2021

Description
Black roofing paper on outbuilding 6 is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
100	12/16/2021

Description
House exterior

Photo No.	Date
101	12/16/2021

Description
House exterior

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
102	12/16/2021

Description
House exterior

Photo No.	Date
103	12/16/2021

Description
House exterior

Photographic Log

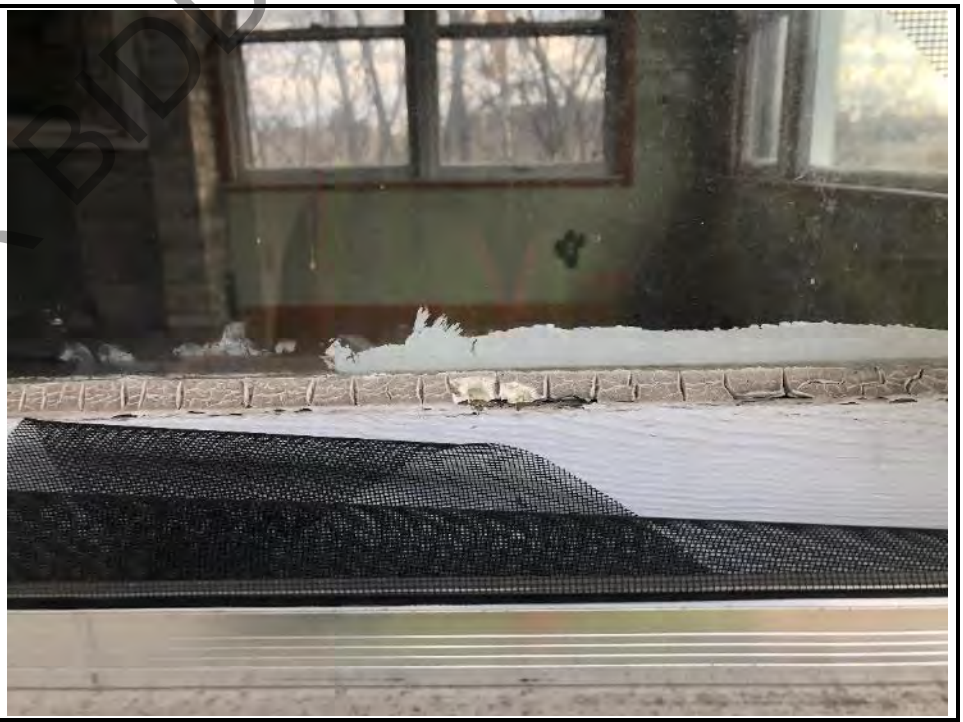
Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
104	12/16/2021

Description
House exterior

Photo No.	Date
105	12/16/2021

Description
Window glazing on house windows is non-detect for ACM



Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
106	12/16/2021

Description
Gray caulk in cracks in concrete along house foundation is non-detect for ACM

Photo No.	Date
107	12/16/2021

Description
House porch roof

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
108	12/16/2021

Description
Black shingles and black roofing paper on house roof are non-detect for ACM

Photo No.	Date
109	12/16/2021

Description
House roof

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
110	12/16/2021

Description
House roof

Photo No.	Date
111	12/16/2021

Description
Caulk around vents on roof are non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
112	12/16/2021

Description
Shingles and rubber membrane on house roof are non-detect for ACM

Photo No.	Date
113	12/16/2021

Description
Stucco on house exterior is non-detect for ACM

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	645 W. Good Hope Road (Parcel 12), River Hills, Milwaukee County	WisDOT #1229-04-21 TRC# 441231.0000

Photo No.	Date
114	12/16/2021

Description
Insulation above porch roof is not suspect ACM

Photo No.	Date
115	12/16/2021

Description
Pool

Appendix B: Laboratory Analytical Results

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

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0058119
Project #: 441231.0000.0000
Date Received: 12/14/2021
Date Analyzed: 12/16/2021

Site: Parcel 12, 645 W. Good Hope Road, River Hills, WI

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-001	1st floor kitchen closet	LAYER 1 Brown backing/adhesive	99%	cellulose	ND	None
P-12-001		LAYER 2 Grey/Blue 12"x12" vinyl tile		- - -	ND	None
P-12-002	1st floor stairs to basement	LAYER 1 Brown backing/adhesive	99%	cellulose	ND	None
P-12-002		LAYER 2 Grey/Blue 12"x12" vinyl tile		- - -	ND	None
P-12-003	1st floor kitchen	LAYER 1 Brown backing/adhesive	99%	cellulose	ND	None
P-12-003		LAYER 2 Grey/Blue 12"x12" vinyl tile		- - -	ND	None
P-12-004	1st floor kitchen	LAYER 1 White padding		- - -	ND	None
P-12-004		LAYER 2 Brown laminate flooring	99%	cellulose	ND	None
P-12-005	1st floor kitchen	LAYER 1 White padding		- - -	ND	None
P-12-005		LAYER 2 Brown laminate flooring	99%	cellulose	ND	None
P-12-006	1st floor kitchen	LAYER 1 White padding		- - -	ND	None
P-12-006		LAYER 2 Brown laminate flooring	99%	cellulose	ND	None
P-12-007	1st floor kitchen	LAYER 1 Black/Brown backing/adhesive	60%	cellulose	ND	None
P-12-007		LAYER 2 Tan/Brown vinyl flooring		- - -	ND	None
P-12-008	1st floor kitchen closet	LAYER 1 Black/Brown backing/adhesive	60%	cellulose	ND	None
P-12-008		LAYER 2 Tan/Brown vinyl flooring		- - -	ND	None
P-12-009	1st floor kitchen	LAYER 1 Black/Brown backing/adhesive	60%	cellulose	ND	None
P-12-009		LAYER 2 Tan/Brown vinyl flooring		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-010	1st floor den	LAYER 1 Grey padding	99%	synthetic fiber	ND	None
P-12-010		LAYER 2 Brown laminate flooring		- - -	ND	None
P-12-011	1st floor den	LAYER 1 Grey padding	99%	synthetic fiber	ND	None
P-12-011		LAYER 2 Brown laminate flooring		- - -	ND	None
P-12-012	1st floor den	LAYER 1 Grey padding	99%	synthetic fiber	ND	None
P-12-012		LAYER 2 Brown laminate flooring		- - -	ND	None
P-12-013	1st floor den	LAYER 1 Black mastic		- - -	20%	Chrysotile
P-12-013		LAYER 2 Red/Brown vinyl tile		- - -	3%	Chrysotile
P-12-014	1st floor den	- -		- -	NA/PS	- -
P-12-014		- -		- -	NA/PS	- -
P-12-015	1st floor den	- -		- -	NA/PS	- -
P-12-015		- -		- -	NA/PS	- -
P-12-016	1st floor den fireplace	Grey mortar		- - -	ND	None
P-12-017	1st floor den fireplace	Grey mortar		- - -	ND	None
P-12-018	1st floor den fireplace	Grey mortar		- - -	ND	None
P-12-019	1st floor kitchen	LAYER 1 Colorless adhesive	30%	cellulose	ND	None
P-12-019		LAYER 2 Tan counter surface	99%	cellulose	ND	None
P-12-020	1st floor kitchen	LAYER 1 Colorless adhesive	30%	cellulose	ND	None
P-12-020		LAYER 2 Tan counter surface	99%	cellulose	ND	None
P-12-021	1st floor kitchen	LAYER 1 Colorless adhesive	30%	cellulose	ND	None
P-12-021		LAYER 2 Tan counter surface	99%	cellulose	ND	None
P-12-022	1st floor living room	Grey/Black mortar		- - -	ND	None
P-12-023	1st floor living room	Grey/Black mortar		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-024	1st floor living room	Grey/Black mortar		- - -	ND	None
P-12-025	1st floor bath	LAYER 1 Cream adhesive		- - -	ND	None
P-12-025		LAYER 2 Grey fiber backing	60%	cellulose	ND	None
P-12-025		LAYER 3 Green ceramic tile		- - -	ND	None
P-12-026	1st floor bath	LAYER 1 Cream adhesive		- - -	ND	None
P-12-026		LAYER 2 Grey fiber backing	60%	cellulose	ND	None
P-12-026		LAYER 3 Green ceramic tile		- - -	ND	None
P-12-027	1st floor bath	LAYER 1 Cream adhesive		- - -	ND	None
P-12-027		LAYER 2 Grey fiber backing	60%	cellulose	ND	None
P-12-027		LAYER 3 Green ceramic tile		- - -	ND	None
P-12-028	stairs from 1st floor to 2nd floor	Green carpet	99%	synthetic fiber	ND	None
P-12-029	stairs from 1st floor to 2nd floor	Green carpet	99%	synthetic fiber	ND	None
P-12-030	stairs from 1st floor to 2nd floor	Green carpet	99%	synthetic fiber	ND	None
P-12-031	1st to 2nd floor stairs landing	Tan carpet	99%	synthetic fiber	ND	None
P-12-032	1st to 2nd floor stairs landing	Tan carpet	99%	synthetic fiber	ND	None
P-12-033	1st to 2nd floor stairs landing	Tan carpet	99%	synthetic fiber	ND	None
P-12-034	2nd floor bedroom #1 closet	LAYER 1 Black mat	99%	synthetic fiber	ND	None
P-12-034		LAYER 2 Green carpet	99%	synthetic fiber	ND	None
P-12-035	2nd floor bedroom #1 closet	LAYER 1 Black mat	99%	synthetic fiber	ND	None
P-12-035		LAYER 2 Green carpet	99%	synthetic fiber	ND	None
P-12-036	2nd floor bedroom #1 closet	LAYER 1 Black mat	99%	synthetic fiber	ND	None
P-12-036		LAYER 2 Green carpet	99%	synthetic fiber	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-037	2nd floor bath	LAYER 1 Yellow adhesive		- - -	ND	None
P-12-037		LAYER 2 Tan vinyl flooring		- - -	ND	None
P-12-038	2nd floor bath	LAYER 1 Yellow adhesive		- - -	ND	None
P-12-038		LAYER 2 Tan vinyl flooring		- - -	ND	None
P-12-039	2nd floor bath	LAYER 1 Yellow adhesive		- - -	ND	None
P-12-039		LAYER 2 Tan vinyl flooring		- - -	ND	None
P-12-040	2nd floor bath elevated step to shower	Tan ceramic tile		- - -	ND	None
P-12-041	2nd floor bath elevated step to shower	Tan ceramic tile		- - -	ND	None
P-12-042	2nd floor bath elevated step to shower	Tan ceramic tile		- - -	ND	None
P-12-043	basement window	Grey caulk		- - -	ND	None
P-12-044	basement window	Grey caulk		- - -	ND	None
P-12-045	basement window	Grey caulk		- - -	ND	None
P-12-046	1st floor living room	LAYER 1 White skim coat		- - -	ND	None
P-12-046		LAYER 2 Grey base coat		- - -	ND	None
P-12-047	2nd floor bedroom #4	LAYER 1 White skim coat		- - -	ND	None
P-12-047		LAYER 2 Grey base coat		- - -	ND	None
P-12-048	2nd floor bedroom #1	LAYER 1 White skim coat		- - -	ND	None
P-12-048		LAYER 2 Grey base coat		- - -	ND	None
P-12-049	1st floor den	LAYER 1 White skim coat		- - -	ND	None
P-12-049		LAYER 2 Grey base coat		- - -	ND	None
P-12-050	1st floor living room	LAYER 1 White orange peel texture		- - -	ND	None
P-12-050		LAYER 2 White drywall	2%	cellulose	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-051	1st floor living room	LAYER 1 White orange peel texture		- - -	ND	None
P-12-051		LAYER 2 White drywall	2%	cellulose	ND	None
P-12-052	1st floor living room	LAYER 1 White orange peel texture		- - -	ND	None
P-12-052		LAYER 2 White drywall	2%	cellulose	ND	None
P-12-053	1st floor living room	LAYER 1 White hand texture		- - -	ND	None
P-12-053		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-054	1st floor living room	LAYER 1 White hand texture		- - -	ND	None
P-12-054		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-055	1st floor living room	LAYER 1 White hand texture		- - -	ND	None
P-12-055		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-056	2nd floor bath	LAYER 1 White popcorn texture		- - -	ND	None
P-12-056		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-057	1st floor living room	LAYER 1 White popcorn texture		- - -	ND	None
P-12-057		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-058	1st floor living room	LAYER 1 White popcorn texture		- - -	ND	None
P-12-058		LAYER 2 Grey drywall	2%	cellulose	ND	None
P-12-OB1-001	Outbuilding 1	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB1-002	Outbuilding 1	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB1-003	Outbuilding 1	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB1-004	Outbuilding 1	Black roofing paper	80%	cellulose	ND	None
P-12-OB1-005	Outbuilding 1	Black roofing paper	80%	cellulose	ND	None
P-12-OB1-006	Outbuilding 1	Black roofing paper	80%	cellulose	ND	None
P-12-OB1-007	Outbuilding 1	Grey window glazing		- - -	3%	Chrysotile

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-OB1-008	Outbuilding 1	- -		- -	NA/PS	- -
P-12-OB1-009	Outbuilding 1	- -		- -	NA/PS	- -
P-12-OB2-001	Outbuilding 2	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB2-002	Outbuilding 2	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB2-003	Outbuilding 2	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB2-004	Outbuilding 2	Black roofing paper	20%	fibrous glass	ND	None
P-12-OB2-005	Outbuilding 2	Black roofing paper	20%	fibrous glass	ND	None
P-12-OB2-006	Outbuilding 2	Black roofing paper	20%	fibrous glass	ND	None
P-12-OB2-007	Outbuilding 2	Grey window glazing		- - -	3%	Chrysotile
P-12-OB2-008	Outbuilding 2	- -		- -	NA/PS	- -
P-12-OB2-009	Outbuilding 2	- -		- -	NA/PS	- -
P-12-OB2-010	Outbuilding 2	Black siding paper	80%	cellulose	ND	None
P-12-OB2-011	Outbuilding 2	Black siding paper	80%	cellulose	ND	None
P-12-OB2-012	Outbuilding 2	Black siding paper	80%	cellulose	ND	None
P-12-OB2-013	Outbuilding 2	Tan linoleum flooring		- - -	ND	None
P-12-OB2-014	Outbuilding 2	Tan linoleum flooring		- - -	ND	None
P-12-OB2-015	Outbuilding 2	Tan linoleum flooring		- - -	ND	None
P-12-OB2-016	Outbuilding 2	White wallboard	20%	cellulose	ND	None
P-12-OB2-017	Outbuilding 2	White wallboard	20%	cellulose	ND	None
P-12-OB2-018	Outbuilding 2	White wallboard	20%	cellulose	ND	None
P-12-OB3-001	Outbuilding 3	Black/White asphalt shingle	20%	fibrous glass	ND	None
P-12-OB3-002	Outbuilding 3	Black/White asphalt shingle	20%	fibrous glass	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-OB3-003	Outbuilding 3	Black/White asphalt shingle	20%	fibrous glass	ND	None
P-12-OB3-004	Outbuilding 3	Black roofing paper	60%	cellulose	ND	None
P-12-OB3-005	Outbuilding 3	Black roofing paper	60%	cellulose	ND	None
P-12-OB3-006	Outbuilding 3	Black roofing paper	60%	cellulose	ND	None
P-12-OB3-007	Outbuilding 3	Black wall paper	60%	cellulose	ND	None
P-12-OB3-008	Outbuilding 3	Black wall paper	60%	cellulose	ND	None
P-12-OB3-009	Outbuilding 3	Black wall paper	60%	cellulose	ND	None
P-12-OB3-010	Outbuilding 3	Brown siding board	99%	cellulose	ND	None
P-12-OB3-011	Outbuilding 3	Brown siding board	99%	cellulose	ND	None
P-12-OB3-012	Outbuilding 3	Brown siding board	99%	cellulose	ND	None
P-12-OB3-013	Outbuilding 3	Grey window glazing		- - -	10%	Chrysotile
P-12-OB3-014	Outbuilding 3	- -		- -	NA/PS	- -
P-12-OB3-015	Outbuilding 3	- -		- -	NA/PS	- -
P-12-OB4-001	Outbuilding 4	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB4-002	Outbuilding 4	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB4-003	Outbuilding 4	Black asphalt shingle	20%	fibrous glass	ND	None
P-12-OB4-004	Outbuilding 4	Black roofing paper	90%	cellulose	ND	None
P-12-OB4-005	Outbuilding 4	Black roofing paper	90%	cellulose	ND	None
P-12-OB4-006	Outbuilding 4	Black roofing paper	90%	cellulose	ND	None
P-12-OB4-007	Outbuilding 4	Grey window glazing		- - -	3%	Chrysotile
P-12-OB4-008	Outbuilding 4	- -		- -	NA/PS	- -
P-12-OB4-009	Outbuilding 4	- -		- -	NA/PS	- -

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-OB4-010	Outbuilding 4	Black wall paper	60%	cellulose	ND	None
P-12-OB4-011	Outbuilding 4	Black wall paper	60%	cellulose	ND	None
P-12-OB4-012	Outbuilding 4	Black wall paper	60%	cellulose	ND	None
P-12-OB4-013	Outbuilding 4	White caulk		- - -	5%	Chrysotile
P-12-OB4-014	Outbuilding 4	- -		- -	NA/PS	- -
P-12-OB4-015	Outbuilding 4	- -		- -	NA/PS	- -
P-12-OB4-016	Outbuilding 4	Black caulk		- - -	3%	Chrysotile
P-12-OB4-017	Outbuilding 4	- -		- -	NA/PS	- -
P-12-OB4-018	Outbuilding 4	- -		- -	NA/PS	- -
P-12-OB4-019	Outbuilding 4	Tan caulk		- - -	ND	None
P-12-OB4-020	Outbuilding 4	Tan caulk		- - -	ND	None
P-12-OB4-021	Outbuilding 4	Tan caulk		- - -	ND	None
P-12-OB4-022	Outbuilding 4	Grey caulk		- - -	ND	None
P-12-OB4-023	Outbuilding 4	Grey caulk		- - -	ND	None
P-12-OB4-024	Outbuilding 4	Grey caulk		- - -	ND	None
P-12-OB4-025	Outbuilding 4	Grey chimney mortar		- - -	ND	None
P-12-OB4-026	Outbuilding 4	Grey chimney mortar		- - -	ND	None
P-12-OB4-027	Outbuilding 4	Grey chimney mortar		- - -	ND	None
P-12-OB4-028	Outbuilding 4	LAYER 1 White mastic		- - -	ND	None
P-12-OB4-028		LAYER 2 White ceramic tile		- - -	ND	None
P-12-OB4-029	Outbuilding 4	LAYER 1 White mastic		- - -	ND	None
P-12-OB4-029		LAYER 2 White ceramic tile		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-OB4-030	Outbuilding 4	LAYER 1 White mastic		- - -	ND	None
P-12-OB4-030		LAYER 2 White ceramic tile		- - -	ND	None
P-12-OB4-031	Outbuilding 4	LAYER 1 Yellow mastic		- - -	ND	None
P-12-OB4-031		LAYER 2 Blue ceramic tile		- - -	ND	None
P-12-OB4-032	Outbuilding 4	LAYER 1 Yellow mastic		- - -	ND	None
P-12-OB4-032		LAYER 2 Blue ceramic tile		- - -	ND	None
P-12-OB4-033	Outbuilding 4	LAYER 1 Yellow mastic		- - -	ND	None
P-12-OB4-033		LAYER 2 Blue ceramic tile		- - -	ND	None
P-12-OB4-034	Outbuilding 4	Tan/Grey concrete board		- - -	ND	None
P-12-OB4-035	Outbuilding 4	Tan/Grey concrete board		- - -	ND	None
P-12-OB4-036	Outbuilding 4	Tan/Grey concrete board		- - -	ND	None
P-12-OB5-001	Outbuilding 5	Black/Green asphalt shingle	60%	cellulose	ND	None
P-12-OB5-002	Outbuilding 5	Black/Green asphalt shingle	60%	cellulose	ND	None
P-12-OB5-003	Outbuilding 5	Black/Green asphalt shingle	60%	cellulose	ND	None
P-12-OB5-004	Outbuilding 5	Black roofing paper	60%	cellulose	ND	None
P-12-OB5-005	Outbuilding 5	Black roofing paper	60%	cellulose	ND	None
P-12-OB5-006	Outbuilding 5	Black roofing paper	60%	cellulose	ND	None
P-12-OB5-007	Outbuilding 5	Black siding paper	80%	cellulose	ND	None
P-12-OB5-008	Outbuilding 5	Black siding paper	80%	cellulose	ND	None
P-12-OB5-009	Outbuilding 5	Black siding paper	80%	cellulose	ND	None
P-12-OB6-001	Outbuilding 6	Black/Green asphalt shingle	60%	cellulose	ND	None
P-12-OB6-002	Outbuilding 6	Black/Green asphalt shingle	60%	cellulose	ND	None
P-12-OB6-003	Outbuilding 6	Black/Green asphalt shingle	60%	cellulose	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-OB6-004	Outbuilding 6	Black roofing paper	60%	cellulose	ND	None
P-12-OB6-005	Outbuilding 6	Black roofing paper	60%	cellulose	ND	None
P-12-OB6-006	Outbuilding 6	Black roofing paper	60%	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, 2022. 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.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by: Joel Corso, Approved Signatory

Date Issued
12/16/2021

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

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0058161
Project #: 441231.0000.0000
Date Received: 12/23/2021
Date Analyzed: 12/27/2021

Site: Parcel 12, 645 W. Good Hope Road, River Hills, WI

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-EXT-001	House exterior window	White/Grey window glazing		- - -	ND	None
P-12-EXT-002	House exterior window	White/Grey window glazing		- - -	ND	None
P-12-EXT-003	House exterior window	White/Grey window glazing		- - -	ND	None
P-12-EXT-004	House exterior window	White/Grey window glazing		- - -	ND	None
P-12-EXT-005	House exterior window	White/Grey window glazing		- - -	ND	None
P-12-EXT-006	House exterior & concrete slab	Grey caulk	5%	synthetic fiber	ND	None
P-12-EXT-007	House exterior & concrete slab	Grey caulk	5%	synthetic fiber	ND	None
P-12-EXT-008	House exterior & concrete slab	Grey caulk	5%	synthetic fiber	ND	None
P-12-EXT-009	House exterior roof	Black shingle	20%	fibrous glass	ND	None
P-12-EXT-010	House exterior roof	Black shingle	20%	fibrous glass	ND	None
P-12-EXT-011	House exterior roof	Black shingle	20%	fibrous glass	ND	None
P-12-EXT-012	House exterior roof	Black roof paper	60%	cellulose	ND	None
P-12-EXT-013	House exterior roof	Black roof paper	60%	cellulose	ND	None
P-12-EXT-014	House exterior roof	Black roof tar paper	20%	fibrous glass	ND	None
P-12-EXT-015	Roof venting	Grey caulk		- - -	ND	None
P-12-EXT-016	Roof venting	Grey caulk		- - -	ND	None
P-12-EXT-017	Roof chimney	Grey caulk		- - -	ND	None

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

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
P-12-EXT-018	Roof	Black shingle	30%	fibrous glass	ND	None
P-12-EXT-019	Roof	Black shingle	30%	fibrous glass	ND	None
P-12-EXT-020	Roof	Black shingle	30%	fibrous glass	ND	None
P-12-EXT-021	House flat roof	Black rubber membrane		- - -	ND	None
P-12-EXT-022	House flat roof	Black rubber membrane		- - -	ND	None
P-12-EXT-023	House flat roof	Black rubber membrane		- - -	ND	None
P-12-EXT-024	House exterior	Grey stucco		- - -	ND	None
P-12-EXT-025	House exterior	Grey stucco		- - -	ND	None
P-12-EXT-026	House exterior	Grey stucco		- - -	ND	None
P-12-EXT-027	House exterior	Grey stucco		- - -	ND	None
P-12-EXT-028	House exterior	Grey stucco		- - -	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

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Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by: Joel Corso, Approved Signatory

Date Issued 12/27/2021

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 FOLLWING 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 1, City of Glendale, Milwaukee County
Project I.D. 1229-04-21, Parcel 12, City of River Hills, Milwaukee County

Project/Parcel Number	**Option A –** Contractor to Pay WisDOT	**Option B –** Contractor to Receive Payment from WisDOT
1229-04-21 Parcel 1	$	$
1229-04-21 Parcel 12	$	$
	$	$
	$	$
	$	$
Option A Total:	$	//
	Option B Total:	$
	Total Bid or Combined Net Bid	$

PLEASE NOTE: A separate Certified Check, Bank's Draft, Bank's Check, or Postal Money Order for the Bid Amount in the "Option A" subtotal column shall be attached to this Bid Proposal – *see Bid Form Instructions for specific information*.

_____ (_____) _____
Firm Name Telephone Number with Area Code (where you can be reached during business hours)

☐ **Check box** if Bidding Contractor is a Certified Asbestos Abatement Contractor and will perform the required asbestos removals under this contract, **OR** complete the following:

IF APPLICABLE:

I will use the following **Licensed Asbestos Abatement Subcontractor** to perform the required asbestos removal under this Contract:
Name:
Address:
Phone:

PLEASE ATTACH ADDENDA HERE