



CONSTRUCTION REPORT

MINERAL BUILDING – HIGHWAY M-26 RIGHT OF WAY
TORCH LAKE TOWNSHIP, MICHIGAN

Prepared for:

Honeywell and Silver Shore

Honeywell

THE POWER OF **CONNECTED**

Prepared by:



Wood Environment & Infrastructure Solutions, Inc.
Novi, Michigan

March 2020

Project 3293191873

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LIST OF ACRONYMS

ACM	Asbestos Containing Material
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EGLE	Michigan Department of Environment, Great Lakes, and Energy
HASP	Health and Safety Plan
MTU	Michigan Technological University
ROW	Right-of-Way
site	Michigan Department of Transportation Highway M-26 right-of-way adjacent to Mineral Building property
Silver Shore	Silver Shore Enterprise, Inc
TEM	Transmission Electron Microscopy
UOP	Universal Oil Products
USEPA	United States Environmental Protection Agency
Wood	Wood Environment & Infrastructure Solutions, Inc.

1.0 INTRODUCTION

This Construction Report was prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) on behalf of Honeywell and Silver Shore Enterprise Inc. (Silver Shore) to document remedial activities associated with the removal of surficial bulk asbestos containing material (ACM) from the Michigan Department of Transportation (MDOT) Highway M-26 right-of-way (ROW) adjacent to the Mineral Building property (site). (Figure 1.1). The work was completed under a voluntary agreement between Honeywell, Silver Shore and the United States Environmental Protection Agency (USEPA). The work was completed in accordance with the Work Plan dated October 17, 2019.

2.0 SITE CONDITIONS AND BACKGROUND

The Mineral Building property is located at 52986 Highway M-26 in Torch Lake Township, Houghton County, Michigan and is owned by Silver Shore. The property lies on the shoreline of Torch Lake. Currently, two structures are located on the site: a four - story tall structure known as the Mineral Building, and a 30 by 40-foot single story building.

2.1 LOCATIONS OF HAZARDOUS SUBSTANCES

Bulk ACM was identified in the ROW adjacent to the Mineral Building. The bulk ACM originated from the Mineral Building roof, which was in poor condition. In 2018, Silver Shore retained a certified asbestos abatement contractor to remove the roof and surficial bulk ACM from the ROW. On October 2, 2018, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) (formerly Michigan Department of Environmental Quality Department), Air Quality Division (AQD) asbestos inspector completed an inspection to confirm that fragments of the asbestos containing roofing material were removed from the ROW. The EGLE AQD asbestos inspector recommended regular visual inspections of the ROW for the presence of bulk ACM. Silver Shore completed monthly ROW inspections and manual removal of suspect ACM. However, despite these efforts, suspect ACM roofing materials continued to resurface in the ROW.

2.2 CAUSE OF CONTAMINATION

The bulk ACM in the ROW originated from the Mineral Building roof, which was in poor condition.

2.3 RESPONSE ACTIVITIES

Response activities consisted of the following actions:

- Securing a ROW permit from MDOT. A copy of MDOT permit 31013-066468-19-103119 is included in Appendix A.
- Removal of two to three inches of soils suspected of containing ACM
- Transportation and disposal of removed soil
- Site restoration.

The project team, including roles, consisted of the organizations listed in Table 2.1.

3.0 NARRATIVE OF RESPONSE ACTIVITIES

These response activities were conducted under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The final Site-specific Health and Safety Plan (HASP) was submitted to USEPA on September 19, 2019. The draft ROW Soil Removal Work Plan (Work Plan) was submitted to USEPA on October 10, 2019. USEPA provided comments on the draft Work Plan on October 14, 2019, and the final Work Plan was submitted to USEPA on October 17, 2019. A ROW permit was secured on and construction activities were completed on October 31, 2019. Remedial activities are described in detail in Section 3.1.

This section presents a summary of the ROW ACM removal activities and methodologies used to address the site hazards. Figure 2.1 shows areas where site remediation was accomplished. A photographic log of the activities described in this section is included as Appendix B.

3.1 ROW SOIL EXCAVATION

The soil excavation activities occurred on October 31, 2019. Prior to site activities, Silver Shore set up road signals and construction barrels along M-26. The signals indicated the “Shoulder Closed”. In accordance with the approved Work Plan, approximately two to three inches of soil was removed along the ROW in the grass area located between the M-26 Highway pavement and the Mineral Building property fence, as identified on Figure 2.1. This area was adjacent to the Mineral Building and extended 200 feet in either direction. The area was visually inspected by Wood and Silver Shore personnel to verify the suspect ACM was removed. Suspect ACM was observed in the ROW directly adjacent to the building. The ACM was removed along with excavated soils, loaded into trucks and transported to the landfill for disposal.

3.2 SITE RESTORATION

The Work Plan dated October 17, 2019, proposed that site restoration be completed using 22A gravel; however, subsequently the MDOT permit required that site restoration be completed using topsoil and seeding. Silver Shore provided the topsoil from a local source of material that was used in the excavated ROW area. The topsoil was placed on October 31, 2019. The ROW permit required a one-foot strip of compacted 23A gravel between the asphalt shoulder and the topsoil. However, upon further communication with MDOT and clarification that a gravel strip was not part of the existing site conditions, it was agreed that the gravel strip is not required. A confirmation email from MDOT documenting the approval of this variance is included in Appendix C. A total of 88 cubic yards of topsoil were imported and placed. After topsoil placement, Silver Shore seeded, fertilized, and installed mulch blankets. The load tickets for the topsoil are presented in Appendix D. The permit will remain open until the turf is established.

3.3 TRANSPORTATION AND DISPOSAL

Loading, transport and disposal was completed October 31, 2019. Table 3.1 presents the quantities disposed. A total of 104.11 tons of non-friable ACM were disposed at K&W Landfill.

The disposal facility was approved to receive waste regulated by the CERCLA Off-Site Rule. Copies of waste profile and manifests with associated weigh tickets are included in Appendices E and F, respectively.

3.4 AIR MONITORING

Total dust monitoring was performed to ensure nuisance dust was not generated. Dust monitoring was conducted using a respirable dust meter during the excavation activities. Consistent with activities conducted on the Mineral Building property, the dust meter was set up downwind of the soil excavation activities, as noted below:

- Dust meter located near the gate to monitor soil removal downwind of the southern half of the excavation area.
- Following completion of the southern half of the excavation, the dust meter was relocated near the northern edge of the excavation limits to monitor soil removal downwind of the northern half of the excavation area

The dust meter was placed downwind on the fence near the gate during the excavation of the southern half of the ROW, and downwind on the fence near the north excavation limits during the excavation of the northern half of the ROW. The dust meter was calibrated prior to the commencement of work. Dust monitoring observations were compared to action levels of 150 ug/m³. No exceedances were noted during construction activities. Dust monitoring results are presented in Table 3.2. It should be noted that dust suppression was not necessary as the soils were saturated due to precipitation and no dust generated.


4.0 REFERENCES

Final Mineral Building Right-of-Way Work Plan, Wood Environment and Infrastructure Solutions, Inc., October 2019

FIGURES



Legend

 Property Boundary

Base Map Source: ESRI USA Topo Maps map service

Honeywell Specialty Materials, LLC.
C & H Mineral Building Site

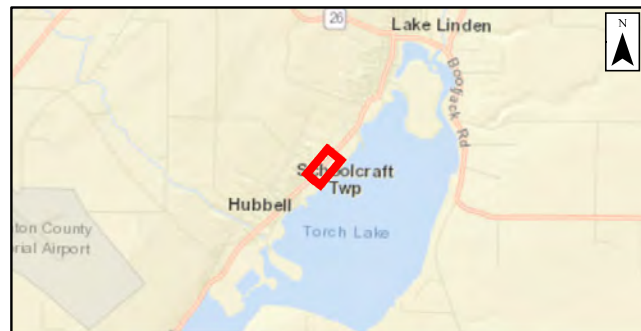
SITE LOCATION MAP

Prepared by:
DCM 7/1/2018
Checked by:
MJM 7/1/2018
Project Number:
3293181784



wood.

FIGURE
1-1

G:\Honeywell\MXD\Torch Lake\ROWSoil RemovalArea.mxd 10/9/2018 10:54:18 AM



Legend

-  Mineral Building
-  ROW Soil Removal Area

Mineral Building Torch Lake Area of Concern		
ROW SOIL REMOVAL AREA		
		
Prepared by: DCM 3/2/2020		FIGURE 2.1
Checked by: MJM 3/2/2020		
Project Number: 3293181784		

TABLES

TABLE 2.1 PROJECT TEAM
Mineral Building ROW Site
Torch Lake Township, Michigan

<i>Company</i>		<i>Role</i>
Brian Kelly USEPA -Region V Emergency Response Branch 2565 Plymouth Road Ann Arbor, MI 48105 (734) 214-4890		Regulatory Agency
Amy Kerenan EGLE -Upper Peninsula District Office 1504 West Washington Street Marquette, MI 49855 (906) 228-4853		Regulatory Agency
Jeff Binkley Mannik & Smith Group, Inc. 200 Michigan Street, Suite 705 Hancock MI, 49930 (906) 281-3404		USEPA START Contractor
Chuck Geadelmann Honeywell 1985 Douglas Drive N Golden Valley, MN 49945 (763) 954-5418	Jessica Telano Honeywell 115 Tabor Road Morris Plains NJ, 07950 (973) 455-2009	Respondent
Bill Siler Silver Shore Enterprise 45505 Champion Street South Range, MI 49963 (906) 482-8517		Property Owner
Laura Stirban/Michael McGowan Wood Environment and Infrastructure Solutions, Inc. 46850 Magellan Drive, Suite 190 Novi, MI 48377-2448 (248) 926-4008		Prime Contractor
SGS North America 6601 Kirkville Road Syracuse, NY 13057 (315) 437-0571		Asbestos Air Sampling Analytical Laboratory
K&W Landfill, Inc. 1187 State Highway M38 Ontonagon, MI 49953 (906) 883-3504		Disposal Facility

Table 3.1
Disposal Tracking of ACM Soils
Mineral Building ROW Site
Torch Lake Township, Michigan

Date	Truck Number	Manifest Number	Weigh Ticket Number	Weight (Tons)
10/31/2019	2028	924618	298020	15.78
10/31/2019	535	924619	298027	17.35
10/31/2019	2029	924620	298034	18.93
10/31/2019	535	924621	298045	26.38
10/31/2019	2028	924622	298053	25.67

Total Tons Disposed: 104.11

Soil was disposed at K&W Landfill, Ontonagon Michigan

Table 3.2
Dust Monitoring Results
Mineral Building ROW Site
Torch Lake Township, Michigan

TOTAL DUST FIELD SCREENING LOG				
Project Name:		Mineral Building - Right-Of-Way		Project Number: 3293191873
Site Location:		Hubbell, Michigan		Instrument ID: AM062
Date:	10/31/2019	Time/Background:	7:50 0.008 mg/m ³	Operator: MJM
TIME	LOCATION			READING (mg/m ³)
8:30	Fence near north gate			0.012
11:25	Fence near north gate			0.016
13:20	Fence near north end of excavation area			0.011
15:15	Fence near north end of excavation area			0.009
16:00	Fence near north end of excavation area			0.011

Notes: HASP Action Level = 0.150 mg/m³
Work included removal of ACM soil along ROW adjacent to Mineral Building

APPENDIX A

ROW Permit



INDIVIDUAL CONSTRUCTION PERMIT
For Operations within State Highway Right-of-Way

Issued To:
Bill Siler (Silver Shores Enterprise LLC)

45505 Champion Street
South Range MI 49963

Contact:
Bill Siler
906-482-8517(O)
psiler@silercontracting.com

Permit Number: 31013-066468-19-103119

Permit Type: Individual Application

Permit Fee: \$90.00

Effective Date: Oct 31, 2019 to Oct 30, 2020

Bond Numbers: EI6420,

Liability Insurance Expiration Date: Apr 01, 2020

Contractor:

Wood E&S

46850 Magellan Drive, Suite 190
Novi MI 48377

Contact:

Michael McGowan

906-482-8517 Extn:3665 248-877-3452(Cell)
michael.j.mcgowan@woodplc

THIS PERMIT IS VALID ONLY FOR THE FOLLOWING PROPOSED OPERATIONS:

PURPOSE:

Soil removal between 2"-3", and restoration with topsoil, seed, fertilizer and mulch blanket per MDOT 2012 Standard Specifications for Construction. See attached ROW Soil Removal Work Plan and Figure depicting work area.

STATE ROUTE: M-26 **CITY OF:** Hubbell **COUNTY:** Houghton County

NEAREST INTERSECTION:	SIDE OF ROAD:	DISTANCE TO NEAREST INTERSECTION:	(in feet)	DIRECTION TO NEAREST INTERSECTION:
M-26 and W 21st St	S	450.00		North

CONTROL SECTION:	MILE POINT FROM:	MILE POINT TO:	LOCATION:			
			LEFT	MEDIAN	RIGHT	TRANSVERSE
31013	8.960	9.090	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REQUISITION NUMBER: **WORK ORDER NUMBER:** **MDOT JOB NUMBER:** **ORG JOB NUMBER:**

31013-066468-19-103119 Issued To: Bill Siler (Silver Shores Enterprise LLC)

This permit is incomplete without "General Conditions and Supplemental Specifications"

I certify that I accept the following:

1. I am the legal owner of this property or facility, the owner's authorized representative, or have statutory authority to work within state highway Right-of-Way.
2. Commencement of work set forth in the permit application constitutes acceptance of the permit as issued.
3. Failure to object, **within ten (10) days** to the permit as issued constitutes acceptance of the permit as issued.
4. If this permit is accepted by either of the above methods, I will comply with the provisions of the permit.
5. I agree that Advance Notice for Permitted Activities shall be submitted **5 days prior** to the commencement of the proposed work.

I agree that Advance Notice for Permitted Utility Tree Trimming and Tree Removal Activities shall be submitted **15 days prior** to the commencement of the proposed work for an annual permit.

CAUTION

**Work shall NOT begin until the Advance Notice has been approved.
Failure to submit the advance notice may result in a Stop Work Order.**

**Bill Siler (Silver Shores
Enterprise LLC)**

Robert Tervo
MDOT

October 30, 2019
Approved Date

TSC Contact Info

Ishpeming TSC

(906) 485-4270

**THE STANDARD ATTACHMENTS, ATTACHMENTS AND SPECIAL CONDITIONS MARKED BELOW
ARE A PART OF THIS PERMIT.**

STANDARD ATTACHMENTS:

- 1 Special Conditions For Underground Construction (2205C)
- 2 General Conditions for Permit (General Conditions)
- 3 ENVIRONMENTAL REQUIREMENTS FOR ACTIVITIES WITHIN MDOT RIGHT-OF-WAY (2486)
- 4 Historical and Archaeological Discoveries During Construction Operations (Const. Advisory Historical/Archae

ADDITIONAL ATTACHMENTS:

- 1 ROW Soil Removal _final Work Plan.pdf
- 2 Revised - ROW Soil Removal _final Work Plan.pdf
- 3 L D and B Valuesm0020a.pdf
- 4 ShoulderClosure M0110a.pdf
- 5 Work outside shoulder area RWA signs.pdf
- 6 Restoration email.pdf

31013-066468-19-103119 Issued To: Bill Siler (Silver Shores Enterprise LLC)

AMENDMENT ATTACHMENTS:

SPECIAL CONDITIONS:

- 1 The Department of Transportation does not, by issuance of this permit, assume any liability claims or maintenance costs resulting from the Topsoil removal and replacement facility placed by this permit. The Department reserves the right to require removal of all or any portion of this facility as needed for highway maintenance or construction purposes without replacement or reimbursement of any costs incurred by the permitted or other party. The permitted will defend, indemnify and hold harmless the Department for any claims whatsoever resulting from the construction or the removal of the authorized by this permit.
- 2 All disturbed areas within the right of way shall be top-soiled, seeded and mulched to match existing areas per current MDOT standards and specifications.

SPECIAL CONDITIONS FOR UNDERGROUND CONSTRUCTION

The following special permit specifications shall apply when the permittee is excavating or performing any underground activity within trunkline right of way and discovers existing contaminated soil and/or an abandoned underground storage tank:

1. In the event the permittee encounters environmental contamination and/or an underground storage tank in the right of way, the Michigan Department of Transportation (MDOT) shall be immediately notified. All Michigan Department of Natural Resources and Environment (MDNRE) and Federal Environmental Protection Agency (EPA) environmental requirements shall be complied with by the permittee. Unless the Department agrees in writing the following steps are to be taken:
 - a. The contaminated material that has been removed shall be temporarily stockpiled per MDNRE requirements. If stockpiled on the right of way, the site shall not interfere with MDOT operations or create a traffic safety problem. Also, the contaminated material shall be placed on plastic sheeting or tarp having a minimum thickness of 6 mils or in trucks, roll off boxes, or other containers, such that no liquid may escape from the containment. At the end of each work day, the contaminated material shall be covered securely with plastic sheeting of 6 mil thickness or greater.
 - b. Upon completion of any testing deemed necessary by the Department or the MDNRE, the material shall be disposed of in an approved waste disposal site unless otherwise directed by the MDNRE.
 - c. In no case shall the contaminated material be stockpiled for longer than 45 days prior to disposal.
2. The permittee shall cooperate with MDOT personnel and pertinent regulatory agencies in resolving the contamination problem as required by law.
 - a. The manner in which the permittee manages and secures the site shall not interfere with the MDOT's interests.
 - b. The permittee shall not excavate as part of any site management operation within the one-on-one slope from the edge of shoulder without the permission of MDOT.
3. MDOT shall not indemnify or compensate the permittee for any costs or damages of any kind that the permittee incurs as the result of contamination encountered within the right of way. It is understood that the possibility of encountering contamination and the damages which might be incurred by the permittee because of the contamination are business risks the permittee assumes in choosing to locate and maintain facilities within the Right-of-Way.

The permittee is responsible for any costs that it incurs to secure the contaminated site in such a manner as to meet the requirements of the MDNRE and/or EPA and the requirements of MDOT.
4. The permittee, upon approval of MDOT, may continue to place its facility through the contaminated area providing remedial actions that meet the approval of MDOT and other enforcement agencies involved are followed.
 - a. All additional costs the permittee incurs, as a result of continuing to place its facilities within the contaminated area, are the responsibility of the permittee.
 - b. All contaminated material must be removed and properly disposed of as directed by MDOT and/or the MDNRE. All backfill material must be clean material, unless otherwise directed by the MDNRE. Excavation must be backfilled in a manner to prevent the creation of a pathway for migration of contamination off site.
5. The permittee is solely responsible to develop an alternate route for its facility in the event approval cannot be given to continue to place the facility within the contaminated area of the Right-of-Way. The permittee shall restore the original site as directed by MDOT.

GENERAL CONDITIONS (See new condition 23)

This permit is issued subject to the following conditions:

1. This permit grants to the permittee only those rights specifically stated and no other. Maintenance work within the trunkline right of way may require a separate permit unless authorized within the scope of the annual permit.
2. Issuance of this permit does not relieve permittee from meeting any and all requirements of law, or of other public bodies or agencies. The permittee shall be responsible for securing including but not limited to any other permissions including or required by law including but not limited to cities, villages, townships, corporations, or individuals for the activities hereby permitted.
3. The permittee agrees as a condition of this permit to:
 - a. Have in the permittee's or the permittee's representative's possession on the job site at all times the approved permit, advanced notice and any necessary plans or sketches.
 - b. Submit Advance Notice through the online Construction Permit System (CPS) at least five (5) working days prior to commencement of any operations covered by this permit. No work shall start until an approved Advance Notice is e-mailed to the permittee.
 - c. Perform no work except emergency work, unless authorized by the Department, on Saturdays, Sundays, or from 3:00 p.m. on the day proceeding until the normal starting time the day after the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.
 - d. Provide and maintain all necessary precautions to prevent injury or damage to persons and property from operations covered by this permit.
 - e. Furnish, install and maintain all necessary traffic controls and protection during permittee's operations in accordance with the Michigan Manual of Uniform Traffic Control Devices and any supplemental specifications set forth herein.
 - f. Notify the Department of completion of work authorized by this permit through CPS, so that final inspection may be made and surety deposit released (where applicable). Surety deposit will not be released until the work authorized by the permit has been completed and inspected, and all inspection charges billable to the permittee are paid.
4. Nothing in this permit shall be construed to grant any rights what so ever to any public utilities, except as to the consent herein specifically given, nor to impair any existing rights granted in accordance with the constitution or laws of this state.
5. Any operations in the trunkline right of way not covered by permit and the appropriate Department specifications are in violation of the jurisdictional authority of the Department, with respect to the control of the trunkline right of way, unless approved by the Department. Any change or alteration in the permit activities requires prior approval of the Department and may require a new permit.
6. Performance of the requirements of this permit is the responsibility of the permittee. The permittee shall complete all operations for which this permit is issued in accordance with the conditions of this permit, by the specified completion date. The permittee shall meet all requirements of the current Department Standard Specifications for Construction, and the Supplemental Specifications set forth on/or incorporated as a part of this permit.
7. The construction, operation and maintenance of the facility covered by this permit shall be performed without cost to the Department unless specified herein. The permittee shall be responsible for the cost of restoration of the state trunkline and right of way determined by the Department to be damaged as a result of the activities of the permittee.
8. Facilities allowed on state trunkline right of way shall be placed and maintained in a manner which will not impair the state trunkline or interfere with the reasonable safe and free flow of traffic. Failure of the permittee to maintain the facilities located within the State trunkline right of way so as not to interfere with the operation, maintenance or use of the state trunkline by the traveling public may result in revocation of the permit.
9. The permittee is solely and fully responsible for all activities undertaken pursuant to the permit. Any and all actions by the Department and those governmental bodies performing permit activities for the Department pursuant to a maintenance contract, including but not limited to any approved reviews and inspections of any nature, permit issuing, and final acceptance or rejection of the work or activity authorized by the permit shall not be construed as a warranty or assumption of liability on the part of the Department or those governmental bodies. It is expressly understood and agreed that any such actions are for the sole and exclusive purposes of the Department and the governmental bodies acting in a governmental capacity. Any such actions by the Department and governmental bodies will not relieve the permittee of its obligations hereunder, nor are such actions by the Department and the governmental bodies to be construed as a warranty as to the propriety of the permittee's performance. The permittee shall indemnify and save harmless the State of Michigan, Michigan Transportation Commission, the Department and all officers, agents and employees thereof, and those governmental bodies performing permit activities for the Department and all officers, agents and employees thereof, pursuant to a maintenance contract, against any and all claims for damages arising from operations covered by this permit except claims resulting from the sole negligence or willful acts or omissions of said indemnities, its agent, or employees. In addition, permittee upon request shall furnish proof of insurance coverage for the term of this permit in an amount pre-specified.
10. The permittee or representative must ensure that all insurance policies and binders include an endorsement by which the insurer agrees to notify the Department in writing at least 30 days before there is a cancellation or material change in coverage. The permittee or representative must stop operations if any insurance is cancelled or reduced, and must not resume operations until new insurance is in force. The State of Michigan, Michigan Transportation Commission, Department of Transportation, and governmental bodies performing permit activities under a maintenance contract, and all officers, agents, and employees of all the above, for claims arising out of, under, or by reason of operations covered by the permits issued to the permittee.
11. This permit is not assignable and not transferable unless specifically agreed to by the Department.
12. The permittee, upon request of the Department, shall immediately remove, cease operations, and surrender this permit, or alter or relocate, at the permittee's own expense, the facility for which this permit is granted. Upon failure to do so, the Department may take any necessary action to protect the trunkline interest and the permittee shall reimburse the Department for its costs in doing same. The permittee expressly waives any right to claim damages or compensation in the event this permit is revoked.

13. The permittee shall, upon request by the Department, furnish a performance surety deposit in the form of a bond, cash, certified check, or (when authorized by the Department) an irrevocable letter of credit in such amount as deemed necessary by the Department to guarantee restoration of the trunkline highway or performance under the conditions of the permit.
14. The permittee hereby acknowledges and agrees that the Department has the right to demand completion by the permittee, or the performance surety, or to complete any uncompleted activity authorized by this permit which adversely affects the operation and/or maintenance of the state trunkline highway, or which is not completed by the expiration date of the permit, including:
 - a. Completion of construction of driveway and/or approach (not authorized by annual permit).
 - b. Removal of materials.
 - c. Restoration of the trunkline facilities and right of way as necessary for the reasonably safe and efficient operations of the trunkline highway.

The permittee further agrees to immediately reimburse the Department in full for all such costs incurred by the Department upon receipt of billing, and that upon failure to pay, the Department may affect payment with the performance surety deposit. Should the surety deposit be insufficient to cover expenses incurred by the Department, the permittee shall pay such deficiency upon billing by the Department. If the surety deposit exceeds the expense incurred by the Department, any excess will be returned or released to the depositor upon completion of the work to the satisfaction of the Department.
15. The Department reserves the right during the time any or all of the work is being performed to assign an inspector to protect the trunkline interest, and to charge the permittee all such costs incurred. In addition, the permittee may be billed any engineering and review fees incurred by the Department or its agent in connection with the work covered by this permit.
16. Emergency Operations: In time of disaster or emergency, or when utility lines or facilities are so damaged as to constitute a danger to life and/or property of the public, access to the same may be had by the most expeditious route. Work is to be completed in a manner which will provide the traveling public with maximum possible safety and minimize traffic distribution. Notice of such situations shall be given to the nearest police authority and the department as soon as can reasonably be done under the circumstances. During normal Department work hours, the facility owner shall advise the Department of any operations within right of way which affect traffic operations or the highway structure or facilities prior to performance of the work. After normal Department work hours, the permittee, at the beginning of the first working day after the emergency operation, shall advise the Department of any operations which affect traffic operations or the highway structures and facilities. If determined necessary by the Department, the permittee shall secure an individual permit for such work after notification.
17. Upon the Department's request, as built drawings of work performed will be furnished to the Department within 30 days after completion of the work.
18. The permittee shall give notice to public utilities in accordance with Act 174 of 2013, as amended, and comply with all applicable requirements of this act. The permittee shall also comply with requirements of Act 451, P.A. of 1994, as amended.
19. The permittee acknowledges that the Department is without liability for the presence of the permittee's facility which is located within the trunkline right of way. Acceptance by the Department of work performed, and/or notice of termination of performance obligations for the surety and/or the permittee do not relieve the permittee of full responsibility for the permittee's work or for the presence of the permittee's facility in the trunkline right of way.
20. Where the Department has accepted an Indemnification Commitment in lieu of bond and/or insurance policies, such commitment is incorporated into this permit by reference.
21. It is illegal to discharge substances other than storm water into the Department's storm sewer system unless permission has been obtained in writing for other discharges.
22. The permittee shall be responsible for obtaining information on permitted environmental site closures within MDOT right of way. MDOT has implemented a program that allows environmental contamination to remain within the right of way by use of a permit. Issued permit information can be obtained from the Region/TSC in which the permit is issued. If the permittee will encounter a site area identified as a site closure permit area, the permittee shall follow instructions and conditions set forth in Supplemental Specifications #3 and specifications found in form 2205-C, "Special Conditions for Underground Construction".

>>>NEW>>>
23. Other than for normal daily vehicle and equipment usage requirements, the permittee shall not use or store unattended equipment, or the following types of hazardous materials on, over, under, or immediately adjacent to Department or Local Agency owned buildings, bridges and structures, unless expressly approved by the Department in writing:

Explosive, flammable gas, non-flammable gas, inhalation hazard, oxygen, flammable liquids, fuel oil, combustible, gasoline, flammable solids, spontaneously combustible, dangerous-when-wet, oxidizer organic peroxide, toxic, poisonous, inhalation hazard, infectious, radioactive, corrosive, or any other potentially hazardous material.

Furthermore, the permittee shall not allow hazardous or unreasonably objectionable smoke, fumes, vapor, or odors to emit from any permitted operation. No junk, garbage, refuse or unused construction materials shall be stored or accumulated within the MDOT Right-of-Way.

1. Construction and Maintenance of Facilities – To construct and maintain utility crossings of limited access highways, access for the utility's service vehicles may be from county roads, service roads, and openings authorized in limited access right of way fences. The construction of utilities across limited access highways should be for the purpose of serving a general area rather than providing individual services, unless extenuating circumstances necessitate such crossings.

Equipment, vehicles or personnel will not operate within a distance of 30 feet from the edge of the pavement of roadways or ramps on limited access highways. At locations where utilities have been constructed in medians having a width greater than 80 feet or have otherwise been allowed to remain or to be constructed in limited access right of way, ingress and egress shall be by such routes as specified by the Department, which may also specify additional safety provisions.

2. Restoration- Restoration of the trunkline highway and right of way will be such that it will provide a condition equal to or better than the original condition, in accordance with Michigan Department of Transportation Standard Specifications.
3. Excavation and Disposal of Excavated Material – The permittee shall provide and place the necessary sheeting, shoring and bracing required to prevent caving, loss or settlement of foundation material supporting the pavement, or any other highway installation such as sewers, culverts, etc. The permittee shall assume the full responsibility for this protection and shall not proceed in these areas before approval of the methods by the Department.

Construction equipment and excavating material shall not be stocked in such locations that it creates a traffic hazard or interferes with the flow of traffic; and on limited access highways, shall be a minimum of 30 feet from the traveled way. Sod and topsoil shall be stacked separately from other excavated material. The permittee shall dispose of all surplus and unsuitable material outside of the limits of the highway, unless the permit provides for disposal at approved locations within right of way. In the latter case, the material shall be leveled and trimmed in an approved manner.

When the permittee is excavating within trunkline right of way and discovers existing contaminated soil and/or an abandoned underground storage tank, special permit specifications entitled "Special Conditions for Underground Construction" (Form 2205-C) shall apply.

4. Utility Cuts, Trenches and Pavement Replacement – Utility crossing by pavement cutting and removal are generally prohibited. If extenuating circumstances make tunneling, boring and jacking impractical pavement cutting may be used with approval of the Department. All utility cuts, trenching and pavement replacement shall comply with the requirements of the Standard Specifications and the Standard Plan "Utility Cuts, Trenches and Pavement Replacement". Unless otherwise specified, cuts in concrete residential and commercial drives shall be as above; except that the patch width shall be a minimum of 3 feet and the remaining slab from patch to existing joint shall be a minimum of 3 feet. Backfill shall be made with sand-gravel as specified in the Standard Specifications, unless otherwise directed. After the backfill has been placed and compacted by controlled density method, the pavement shall be replaced with new pavement of the original type and quality, unless at the season of the year when it is not feasible to replace pavement in kind. In this case, a temporary surface of bituminous material shall be placed with Department approval and later replaced with pavement of the original type at the applicant's expense. Other pavement types may be allowed with prior approval of the Department.

5. Crossing Roadbed by Tunneling or Boring and Jacking – All crossing of roadbed operations involving tunneling, boring and jacking shall comply with the Department's special provisions for such work.
6. Backfilling and Compacting Backfill – Unless otherwise specified, all trenches, holes and pits shall be filled with sound earth or with sand-gravel if so provided, placed in successive layers not more than 9 inches in depth, loose measure, and each layer shall be thoroughly compacted by tamping. All backfill compaction will be subject to check by the controlled density method.
7. Depth of Cover Method- Unless otherwise authorized, pipes shall be placed to a depth that will provide not less than 4 feet of cover between the top of the roadway surface and the pipe, 3 feet cover below the ditch line and the pipe.
8. Trees:
 - a. The permittee is responsible for obtaining permission from abutting owners when trimming or removing trees on easement right of way.
 - b. Tree removal or trimming may be undertaken only after submission of an "Advance Notice" through CPS, a field review by the Region Resource Specialist and an approved copy of the advanced notice is e-mailed to the permittee.
 - c. Limbs, logs, stumps and litter shall be disposed of in a manner acceptable to the Department.
 - d. Tree roots shall be bored a distance of one foot for each one inch of trunk diameter for underground utility installations
9. Aerial Wire Crossings – Vertical clearance of wires, conductors and cables over state trunkline shall not be less than required by Section 232 of the National Electrical Safety Code, except in no case shall the under-clearance below any wire, conductor, or cable, under any temperature or loading condition, be less than eighteen feet (18').

ENVIRONMENTAL REQUIREMENTS FOR ACTIVITIES WITHIN MDOT RIGHT-OF-WAY

Issuance of a permit by MDOT does not relieve the permit applicant from meeting any and all requirements of law, or of other public bodies or agencies, including but not limited to the following:

1. Goemare-Anderson Wetland Protection Act, Part 303, P.A. 451 of 1994

Any activity that involves excavation or fill, located within a regulated wetland, requires a Michigan Department of Environmental Quality (MDEQ) permit. Regulated wetlands are those systems that are contiguous to a lake or stream (within 500 feet) or greater than five (5) acres in size.

2. Inland Lakes and Streams Act, Part 301, P.A. 451 of 1994

Any activity located within the ordinary high-water mark of a regulated body of water, i.e., lake, stream, drain, pond, etc., shall require a permit. There are no exemptions to this requirement. Permit applications and questions can be submitted to the MDEQ's Land and Water Management Division.

3. Soil Erosion and Sedimentation Control Act, Part 91, P.A. 451 1994

Any land disturbance of one (1) acre or greater, or that is located within 500 feet of a lake or stream, requires a soil erosion permit. Municipalities who are classified as an Authorized Public Agency (APA) are exempt from permits, but must follow proper soil erosion practices as identified in their standard plan. Any construction activity located within MDOT Right-of-Way that is authorized by a MDOT permit is the responsibility of the permit applicant and is not covered under MDOT's APA authority.

Soil erosion and sedimentation controls are required on all projects, even if a soil erosion permit is not required. Individuals performing work shall prevent sediment from entering any body of water or leaving the Right-of-Way. Permits can be obtained from the county/municipal agencies. Minor earth changes are exempted in this Act and are classified as normal maintenance and emergency repairs.

4. Clean Water Act: National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Requirements for Construction Activities

Any land disturbance of five (5) acres or greater requires an NPDES Storm Water Discharge Permit. This can include any filling, excavating, grading, clearing, etc. Municipally-owned utilities who service a population of less than 100,000 are exempt from permit provisions, but not from environmental protection requirements. Permit applications require the Part 31, P.A. 451 permit number, or a declaration of APA status and the effective date. Permit applications and questions can be submitted to the MDEQ's Surface Water Quality Division.

5. Environmental Site Closures

A procedure was developed by the MDEQ and MDOT which may allow a property owner, who is responsible for these sites, to close an environmentally impacted site. Questions regarding this activity shall be addressed by contacting MDOT's Environmental Specialist at 517-335-2271.

6. The Land and Water Management Division of the MDEQ also administers the following environmental laws which may require review prior to construction:

- Sand Dune Protection Act, Part 353, P.A. 451 of 1994.
- Shore-lands Protection and Management, Part 323, P.A. 451 of 1994.
- Great Lakes Submerged Lands Act, Part 325, and P.A. 451 of 1994.

7. The Wildlife Division of the MDNR also administers the following environmental laws which may require review prior to construction:

- Endangered Species Act, Part 365, and P.A. 451 of 1994.

Questions regarding these permits may be addressed by contacting the nearest MDEQ district field office, or the MDEQ Land and Water Management Division at 517-373-1170.

Additional information is available in MDOT's Environmental Procedures Manual.

Construction Advisory

CA 2013-03
May 1, 2013

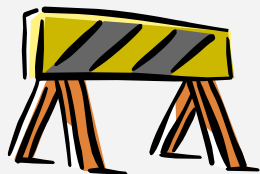
From Brenda O'Brien, Engineer of Construction Field Services

MDOT-Construction Field
Services Division
P.O. Box 30049
Lansing, Michigan 48909
Phone/517-322-1087
Fax/517-322-5664
www.michigan.gov/mdot/

Index: Environment

Questions regarding this
Construction Advisory
should be directed to:

Jason Gutting, Engineer of
Construction Operations at
517-636-6334 or
guttingj@michigan.gov



BJO:JG

Historical and Archaeological Discoveries During Construction Operations

This construction advisory applies to all construction, maintenance, permits, and utility projects on MDOT right-of-way.

In the event that any staff (MDOT, consultant, local agency, contractor, etc.) encounter bones, artifacts, or buried features of possible historical or archaeological significance during construction operations on MDOT right-of-way, they must immediately cease operations in that location and notify the MDOT TSC construction engineer.

The MDOT TSC construction engineer must, immediately upon stopping work in the affected area, contact the MDOT archaeologist for consultation and direction. Communications are to be directed to the following individuals.

Primary Contact:

James A. Robertson, Ph.D.
MDOT Archaeologist
517-335-2637 (office)
Robertsonj3@michigan.gov

Secondary Contact (if primary is not available):

Christine N. Stephenson, M.A.
Staff Archaeologist
517-243-2818 (cell)
Stephensonc@michigan.gov

If bones are discovered and there is no reasonable doubt that they are human bones, the MDOT TSC construction engineer must immediately also contact the local law enforcement agency.

It should be noted that per Michigan law, any person who willfully digs up, disinters, or moves human remains from their place of burial, or who aids in such activities without being lawfully authorized to do so can be found guilty of a felony punishable by up to 10 years in prison and a fine of up to \$5,000.

Construction Field Services is working with the Environmental Services Section to develop a Bureau of Highway Instructional Memorandum with additional details.

Please share this construction advisory with consultants, local agencies, maintenance supervisors/coordinators, and permit/utility staff in your area as well as TSC staff.



Wood Environment & Infrastructure Solutions, Inc.
46850 Magellan Drive, Suite 190
Novi, MI 48377
USA

T: 248-926-4008
www.woodplc.com

October 17, 2019

Mr. Brian Kelly
Region 5 Emergency Response Branch (SE-GI)
United States Environmental Protection Agency
9311 Groh Road
Grosse Ile, MI 48138-1697

Subject: Right-of-Way Soil Removal Work Plan
Mineral Building Property

Dear Mr. Kelly:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to submit this work plan on behalf of Honeywell and Silver Shore Enterprise, Inc., (Silver Shore) to outline proposed site activities associated with removal of surficial bulk asbestos containing material (ACM) from the Michigan Department of Transportation Highway M-26 right-of-way (ROW) adjacent to the Mineral Building property (Site).

Introduction

The site is located at 52986 Highway M-26 in Torch Lake Township, Houghton County, Michigan and is owned by Silver Shore. The property lies on the shoreline of Torch Lake. Currently, two structures are located on the site: a four - story tall structure known as the Mineral Building, and a 30 by 40-foot single story building.

Bulk ACM was identified in the ROW adjacent to the site. The bulk ACM originated from the Mineral Building roof, which was in poor condition. In 2018, Silver Shore retained a certified asbestos abatement contractor to remove the roof and surficial bulk ACM from the ROW. On October 2, 2018, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) (formerly Michigan Department of Environmental Quality Department), Air Quality Division (AQD) asbestos inspector completed an inspection to confirm that fragments of the asbestos containing roofing material were removed from the ROW. The EGLE AQD asbestos inspector recommended regular visual inspections of the ROW for the presence of bulk ACM. Silver Shore has been completing monthly ROW inspections and manual removal of suspect ACM. However, despite these efforts, suspect ACM roofing materials continue to resurface in the ROW.

Proposed Work Plan

The following activities are proposed for the purpose of removing ACM within the ROW.

Permits

Wood will work with Silver Shore to secure a ROW permit from the Michigan Department of Transportation.

Soil Removal

Approximately two to three inches of soil will be removed along the ROW in the grass area located between the M-26 Highway pavement and the Mineral Building property fence, as identified on Figure 1, attached. This area will be adjacent to the Mineral Building and extend 200 feet in either direction. The area will be visually inspected to verify the suspect ACM was removed.

The work will be conducted using dust suppression methods (i.e., water). Dust monitoring will be conducted using a respirable dust or aerosol meter during the excavation activities. The dust meter will be kept at or near the breathing zone and calibration checked at the beginning of each work day prior to the commencement of work. Maintenance and calibration of the sampling equipment will be done in accordance with manufactures specifications. Dust monitoring observations will be compared to action levels of 150 ug/m3. If dust monitoring levels exceed action levels, work will cease and dust suppression methods will be re-evaluated and upgraded before re-commencing activities,

Transportation and Disposal

The soil removed from the ROW will be directly-loaded into trucks and transported to K&W Landfill in Ontonagon, Michigan. Transportation to landfills will be completed in accordance with the Department of Transportation regulations for the material transported. This would include covered truck beds, weight restrictions, and placards, as appropriate.

Restoration

Upon completion of the soil removal, the area will be restored with 22A gravel. The gravel will be graded to prevent ponding and promote drainage away from the road.

If you have any questions please do not hesitate to call Michael McGowan at 248-313-3665 or Laura Stirban at 248-313-3704.

Sincerely yours,



Laura Stirban
Project Manager



Michael J McGowan
Construction Manager

Attachments



Figure 1 ROW Soil Removal Area

cc: Jeff Binkley, The Mannik & Smith Group, Inc.
Chuck Geadelmann (Honeywell)

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Legend

-  Mineral Building
-  ROW Soil Removal Area

Mineral Building Torch Lake Area of Concern		
ROW SOIL REMOVAL AREA		
		
Prepared by: DCM 10/9/2019		FIGURE 1
Checked by: MJM 10/9/2019		
Project Number: 3293181784		



Wood Environment & Infrastructure Solutions, Inc.
46850 Magellan Drive, Suite 190
Novi, MI 48377
USA

T: 248-926-4008

www.woodplc.com

October 17, 2019

Mr. Brian Kelly
Region 5 Emergency Response Branch (SE-GI)
United States Environmental Protection Agency
9311 Groh Road
Grosse Ile, MI 48138-1697

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Sincerely yours,



Laura Stirban
Project Manager



Michael J McGowan
Construction Manager

Attachments



Figure 1 ROW Soil Removal Area

cc: Jeff Binkley, The Mannik & Smith Group, Inc.
Chuck Geadelmann (Honeywell)

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Legend

-  Mineral Building
-  ROW Soil Removal Area

Mineral Building Torch Lake Area of Concern		
ROW SOIL REMOVAL AREA		
		
Prepared by: DCM 10/9/2019		FIGURE 1
Checked by: MJM 10/9/2019		
Project Number: 3293181784		

MINIMUM MERGING TAPER LENGTH "L" (FEET)

OFFSET	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)										TAPER LENGTH "L" IN FEET
FEET	25	30	35	40	45	50	55	60	65	70	
1	10	15	20	27	45	50	55	60	65	70	
2	21	30	41	53	90	100	110	120	130	140	
3	31	45	61	80	135	150	165	180	195	210	
4	42	60	82	107	180	200	220	240	260	280	
5	52	75	102	133	225	250	275	300	325	350	
6	63	90	123	160	270	300	330	360	390	420	
7	73	105	143	187	315	350	385	420	455	490	
8	83	120	163	213	360	400	440	480	520	560	
9	94	135	184	240	405	450	495	540	585	630	
10	104	150	204	267	450	500	550	600	650	700	
11	115	165	225	293	495	550	605	660	715	770	
12	125	180	245	320	540	600	660	720	780	840	
13	135	195	266	347	585	650	715	780	845	910	
14	146	210	286	374	630	700	770	840	910	980	
15	157	225	307	400	675	750	825	900	975	1050	

THE FORMULAS FOR THE MINIMUM LENGTH OF A MERGING TAPER IN DERIVING THE "L" VALUES SHOWN IN THE ABOVE TABLES ARE AS FOLLOWS:

"L" = $\frac{W \times S^2}{60}$ WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 40 MPH OR LESS

"L" = S x W WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 45 MPH OR GREATER

L = MINIMUM LENGTH OF MERGING TAPER
S = POSTED SPEED LIMIT IN MPH
PRIOR TO WORK AREA
W = WIDTH OF OFFSET

TYPES OF TAPERS

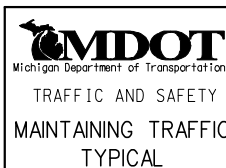
UPSTREAM TAPERS

MERGING TAPER
SHIFTING TAPER
SHOULDER TAPER
TWO-WAY TRAFFIC TAPER

DOWNSTREAM TAPERS
(USE IS OPTIONAL)

TAPER LENGTH

L - MINIMUM
1/2 L - MINIMUM
1/3 L - MINIMUM
100' - MAXIMUM
100' - MINIMUM
(PER LANE)



TABLES FOR "L", "D" AND "B" VALUES

DRAWN BY: CON:AE:djf
CHECKED BY: BMM

JUNE 2006
PLAN DATE:
FILE: K:/DGN/TSR/STDS/ENGLISH/MNTTRF/M0020a.dgn

M0020a

SHEET
1 OF 2

REV. 08/21/2006

DISTANCE BETWEEN TRAFFIC CONTROL DEVICES "D"
AND LENGTH OF LONGITUDINAL BUFFER SPACE ON
"WHERE WORKERS PRESENT" SEQUENCES

"D" DISTANCES	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)									
	25	30	35	40	45	50	55	60	65	70
D (FEET)	250	300	350	400	450	500	550	600	650	700

GUIDELINES FOR LENGTH OF
LONGITUDINAL BUFFER SPACE "B"

SPEED* MPH	LENGTH FEET
20	33
25	50
30	83
35	132
40	181
45	230
50	279
55	329
60	411
65	476
70	542

* POSTED SPEED, OFF PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED

1 BASED UPON AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) BRAKING DISTANCE PORTION OF STOPPING SIGHT DISTANCE FOR WET AND LEVEL PAVEMENTS (A POLICY ON GEOMETRIC DESIGN OF HIGHWAY AND STREETS), AASHTO. THIS AASHTO DOCUMENT ALSO RECOMMENDS ADJUSTMENTS FOR THE EFFECT OF GRADE ON STOPPING AND VARIATION FOR TRUCKS.



TABLES FOR "L", "D" AND "B" VALUES

DRAWN BY: CON:AE:djf

JUNE 2006

M0020a

SHEET
2 OF 2



CHECKED BY: BMM

PLAN DATE:

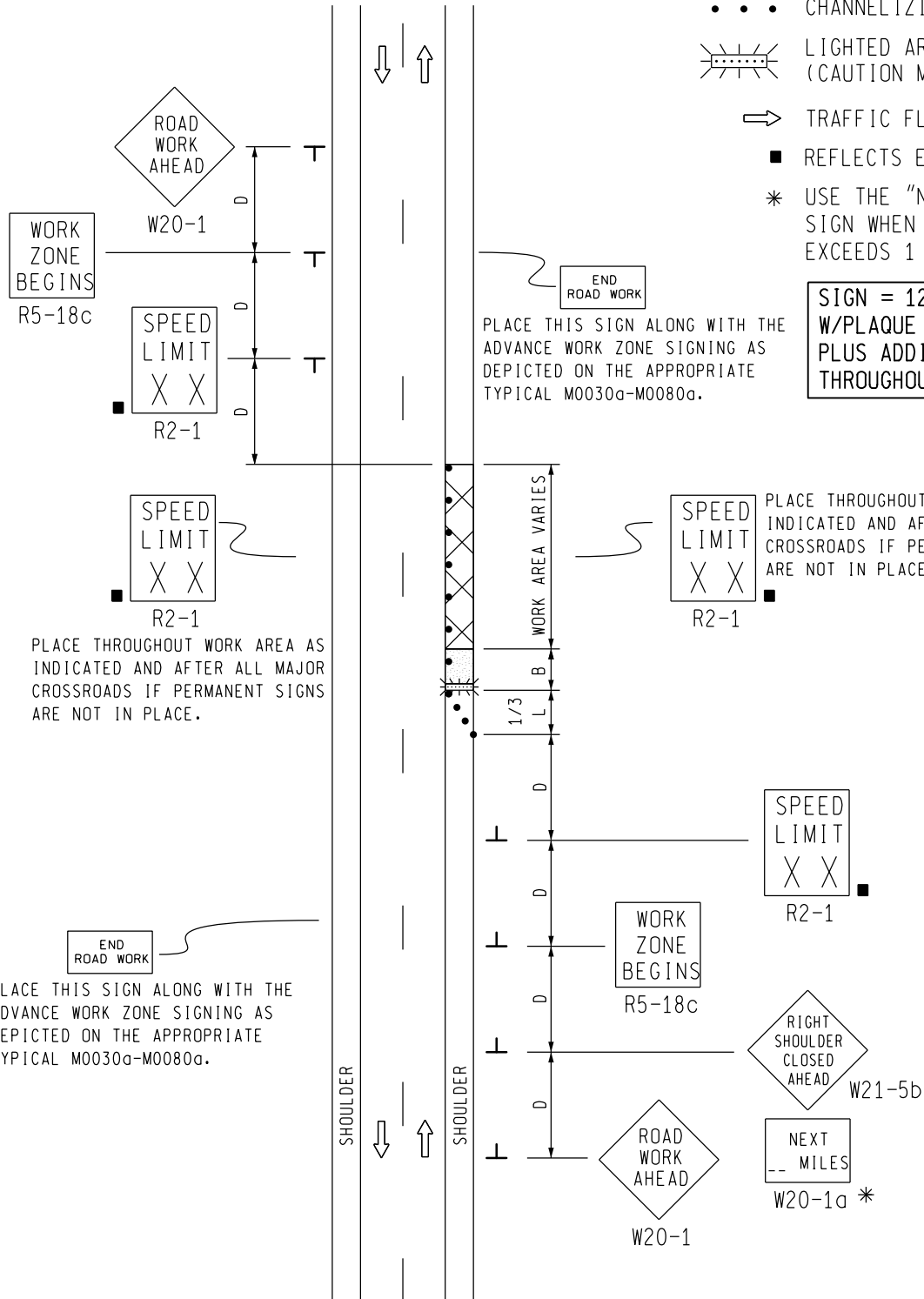
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REV. 08/21/2006

KEY

- • • CHANNELIZING DEVICES
-  LIGHTED ARROW PANEL (CAUTION MODE)
-  TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- * USE THE "NEXT _ _ MILES" SIGN WHEN SHOULDER CLOSURE EXCEEDS 1 MILE IN LENGTH

SIGN = 120 ft±2 - TYPE B
W/PLAQUE = 132 ft±2 - TYPE B
PLUS ADDITIONAL R2-1's
THROUGHOUT WORK AREA



PLACE THIS SIGN ALONG WITH THE ADVANCE WORK ZONE SIGNING AS DEPICTED ON THE APPROPRIATE TYPICAL M0030a-M0080a.

MDOT
Michigan Department of Transportation
TRAFFIC AND SAFETY
MAINTAINING TRAFFIC
TYPICAL

TYPICAL TEMPORARY TRAFFIC CONTROL
FOR A SHOULDER CLOSURE ON A TWO
LANE TWO-WAY ROADWAY
NO SPEED REDUCTION

DRAWN BY: CON:AE:djf
CHECKED BY: BMM:CRB

OCTOBER 2011
PLAN DATE:

M0110a

SHEET
1 OF 2

NOT TO SCALE

FILE: PW RD/TS/Typicals/Signs/MT NON FWY/M0110a.dgn REV. 10/04/2011


NOTES

1. D = DISTANCE BETWEEN TRAFFIC CONTROL DEVICES
 $\frac{1}{3} L$ = MINIMUM LENGTH OF TAPER
 B = LENGTH OF LONGITUDINAL BUFFER
 SEE M0020a FOR "D," "L," AND "B" VALUES
2. ALL NON-APPLICABLE SIGNING WITHIN THE CIA SHALL BE MODIFIED TO FIT CONDITIONS, COVERED OR REMOVED.
3. DISTANCES BETWEEN SIGNS, THE VALUES FOR WHICH ARE SHOWN IN TABLE D, ARE APPROXIMATE AND MAY NEED ADJUSTING AS DIRECTED BY THE ENGINEER.
- 3A. THE "WORK ZONE BEGINS" (R5-18c) SIGN SHALL BE USED ONLY IN THE INITIAL SIGNING SEQUENCE IN THE WORK ZONE. SUBSEQUENT SEQUENCES IN THE SAME WORK ZONE SHALL OMIT THIS SIGN AND THE QUANTITIES SHALL BE ADJUSTED APPROPRIATELY.
- 4E. THE MAXIMUM RECOMMENDED DISTANCE(S) BETWEEN CHANNELIZING DEVICES SHOULD BE EQUAL IN FEET TO THE POSTED SPEED IN MILES PER HOUR ON TAPER(S) AND TWICE THE POSTED SPEED IN THE PARALLEL AREA(S).
5. FOR OVERNIGHT CLOSURES, TYPE III BARRICADES SHALL BE LIGHTED.
6. WHEN CALLED FOR IN THE FHWA ACCEPTANCE LETTER FOR THE SIGN SYSTEM SELECTED, THE TYPE A WARNING FLASHER, SHOWN ON THE WARNING SIGNS, SHALL BE POSITIONED ON THE SIDE OF THE SIGN NEAREST THE ROADWAY.
7. ALL TEMPORARY SIGNS, TYPE III BARRICADES, THEIR SUPPORT SYSTEMS AND LIGHTING REQUIREMENTS SHALL MEET NCHRP 350 CRASHWORTHLY REQUIREMENTS STIPULATED IN THE CURRENT EDITION OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE STANDARD PLANS AND APPLICABLE SPECIAL PROVISIONS. ONLY DESIGNS AND MATERIALS APPROVED BY MDOT WILL BE ALLOWED.
8. WHEN BUFFER AREAS ARE ESTABLISHED, THERE SHALL BE NO EQUIPMENT OR MATERIALS STORED OR WORK CONDUCTED IN THE BUFFER AREA.
- 29A. THE TYPE OF REFLECTIVE SHEETING USED FOR THE W20-1a PLAQUE SHALL BE THE SAME AS THE TYPE USED FOR THE PARENT SIGN.

SIGN SIZES

DIAMOND WARNING	- 48" x 48"
W20-1a PLAQUE	- 48" x 36"
R2-1 REGULATORY	- 48" x 60"
R5-18c REGULATORY	- 48" x 48"

NOT TO SCALE

 Michigan Department of Transportation TRAFFIC AND SAFETY MAINTAINING TRAFFIC TYPICAL		TYPICAL TEMPORARY TRAFFIC CONTROL FOR A SHOULDER CLOSURE ON A TWO LANE TWO-WAY ROADWAY NO SPEED REDUCTION	
DRAWN BY: CON:AE:djf	OCTOBER 2011	M0110a	SHEET 2 OF 2
CHECKED BY: BMM:CRB	PLAN DATE:		
FILE: PW RD/TS/Typicals/Signs/MT NON FWY/M0110a.dgn REV. 10/04/2011			

NOTES

NO SIGNS ARE REQUIRED IF DURATION IS SHORT-DURATION OR MOBILE.

IF THE OPERATION HAS A VEHICLE(S) PARKED ON THE SHOULDER, OR VEHICLES ACCESSING THE WORK SITE VIA THE HIGHWAY OR CROSSING THE HIGHWAY TO PERFORM OPERATIONS, A "ROAD WORK AHEAD" SIGN OR AN ARROW BOARD IN BAR MODE SHALL BE USED.

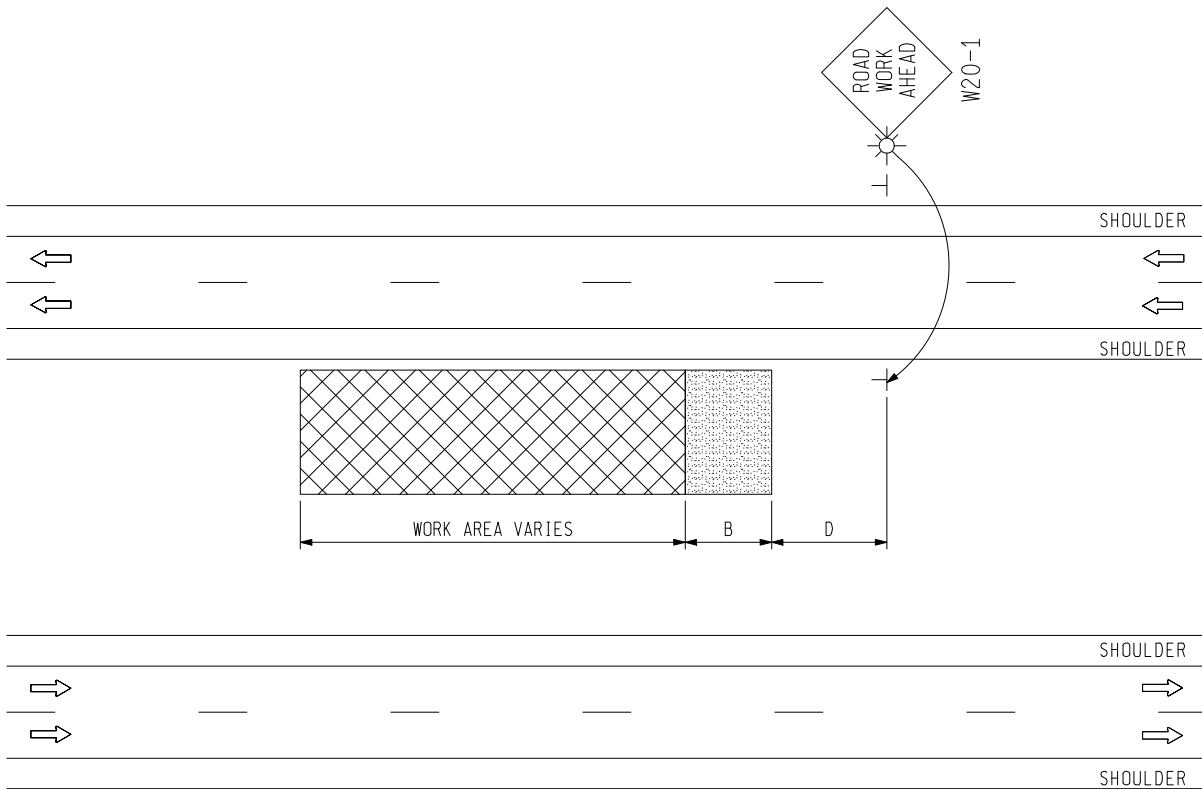
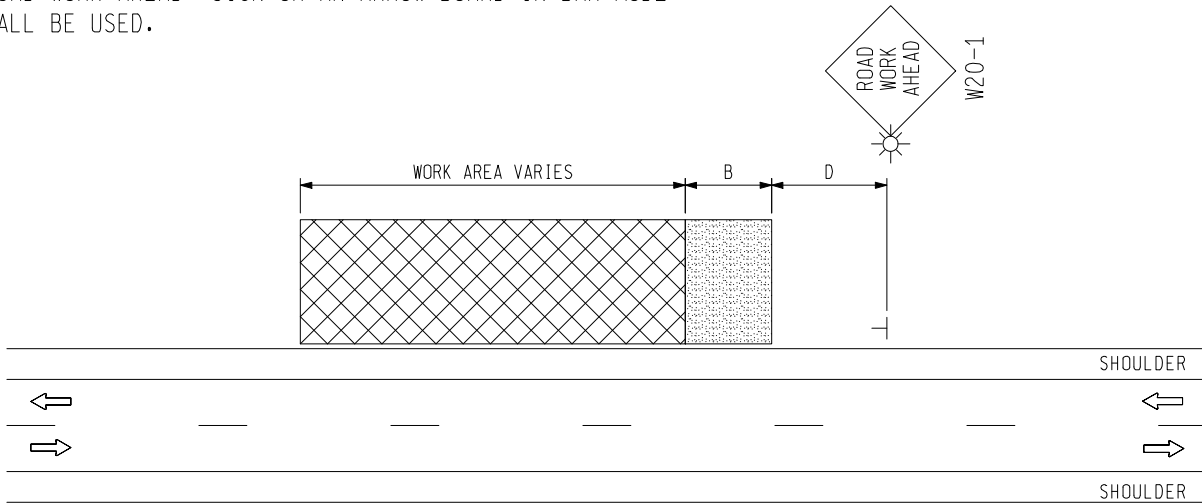
KEY



TYPE A WARNING FLASHER
(REQUIRED ON PLYWOOD SIGNS)



TRAFFIC FLOW



NOT TO SCALE

Johnson, Brian (MDOT)

From: Tervo, Robert (MDOT)
Sent: Wednesday, October 30, 2019 7:27 PM
To: McGowan, Michael J (Novi)
Cc: 'Bill Siler'; Stirban, Laura; Johnson, Brian (MDOT); Keranen, Amy (EGLE)
Subject: RE: Mineral Range Restoration Permit for Bill Siler

Mike,

Yes, we will have the permit issued later this evening or first thing tomorrow morning with the understanding that the turf area will be restored with topsoil, seed, fertilizer and mulch blanket in accordance with the MDOT 2012 Standard Specification for Construction. A 1 foot ribbon of compacted 23A shoulder gravel shall be constructed immediately adjacent to the edge of the blacktop shoulder/pathway.

The performance bond will be held until the turf is fully re-established.

Rob Tervo, P.E.

Manager

Michigan DOT – Ishpeming Transportation Service Center

tervor@michigan.gov

906/485-4270

C 906/280-6571

From: McGowan, Michael J (Novi) <michael.j.mcgowan@woodplc.com>
Sent: Wednesday, October 30, 2019 6:52 PM
To: Tervo, Robert (MDOT) <TervoR@michigan.gov>
Cc: 'Bill Siler' <psiler@silercontracting.com>; Stirban, Laura <laura.stirban@woodplc.com>
Subject: RE: Mineral Range Restoration Permit for Bill Siler

Hello Robert,

We will use topsoil, seed, and mulch blanket for the site restoration instead of gravel. Are we now approved to complete the work?

Thank you for turning this around so quickly!

Thanks,

Michael J McGowan, PE

Senior Project Manager/Associate Environmental Engineer

Technical Consulting Solutions

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Office: 248-926-4008 Ext 3665

Direct: 248-313-3665

Mobile: 248-877-3852

Fax: 248-926-4009

VoIP: #713 3665

Note: Amec Foster Wheeler E&I is now part of Wood.
www.woodplc.com



From: Tervo, Robert (MDOT) <TervoR@michigan.gov>
Sent: Wednesday, October 30, 2019 6:42 PM
To: McGowan, Michael J (Novi) <michael.j.mcgowan@woodplc.com>
Subject: Mineral Range Restoration Permit for Bill Siler

Mike,

Per our conversation. We will need topsoil, seed and mulch blanket.

Rob Tervo, P.E.

Manager

Michigan DOT – Ishpeming Transportation Service Center

tervor@michigan.gov

906/485-4270

C 906/280-6571

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APPENDIX B

Photographic Log

Photo 1: Road Signals and Construction Barrels



Photo 2: ROW Soil Excavation and Soil Removal Along Fence line



Photo 3: Placement of Topsoil



Photo 4: Seeding and Fertilizing



Photo 5: Installation of Mulch Blankets



Photo 6: Final Site Restoration



APPENDIX C

Permit Variance Approval From MDOT

McGowan, Michael J (Novi)

From: Tervo, Robert (MDOT) <TervoR@michigan.gov>
Sent: Wednesday, March 18, 2020 5:28 PM
To: McGowan, Michael J (Novi)
Cc: Neznanski, Betsy (MDOT); Carrigan, Benjamin (MDOT); Johnson, Brian (MDOT)
Subject: FW: Phone Message

Hi Mike,

The permit won't be closed until the turf is established and grass is verified to be growing properly which won't be until later this summer.

I had originally specified the 1 foot of gravel shoulder. After discussing with the contractor and reviewing existing photos of the site I determined that it would be more appropriate to place topsoil, seed and mulch blanket up to the edge of asphalt. The asphalt shoulder is especially wide in this location as it doubles as a walking path. It just made more sense to have turf adjacent to the asphalt than gravel and will be better for maintenance. It is acceptable, actually better than my original specification.

Please let me know if you need anything else.

Thanks,

Rob Tervo, P.E.

Manager
Michigan DOT – Ishpeming Transportation Service Center
tervor@michigan.gov
906/485-4270
C 906/280-6571

From: Neznanski, Betsy (MDOT) <NeznanskiB@michigan.gov>
Sent: Wednesday, March 18, 2020 9:11 AM
To: Tervo, Robert (MDOT) <TervoR@michigan.gov>
Subject: Phone Message

Mike McGowan
Michael.j.mcgowan@woodplc.com
248-313-3665

RE: Permit on M-26 in front of Mineral Building in Lake Linden,
Finished work 10/31/19 - Questions regarding finished product if MDOT has inspected it and closed permit,
asbestos abatement soil removal and replacement.
In the permit a 1' strip along asphalt, permit holder contacted you stating there was no gravel shoulder at location and they did not place. EPA is questioning why gravel wasn't placed, they are looking for something from you saying why gravel wasn't placed and that it is acceptable as it was done.

Betsy Neznanski

*Secretary
MDOT-Ishpeming TSC
100 S. Westwood Drive
Ishpeming, MI 49849
906-485-4270*

APPENDIX D

Topsoil Load Tickets

DATE 10-31-2019 TIME _____

SITE NUMBER _____

SITE NAME Hubble

SALES ORDER NO. _____

SOLD TO <u>Silco Contracting</u>		
CUSTOMER NO. _____		
ADDRESS _____		
DELIVERY INFO: _____		
JOB INFO / P.O. NUMBER / INSTRUCTIONS _____		
PRODUCT DESCRIPTION <u>Topsoil</u>		
PRODUCT CODE _____		
LOAD FEE (<3 TON) 006	DELIVERY ZONE: _____	SATURDAY DELIVERY 003
TRUCKING CUSTOMER TRUCK DELIVERED		
HAULED BY _____		
TRUCK NUMBER <u>535</u>	DRIVER <u>Mike</u>	

OFFICE - WHITE CUSTOMER - YELLOW TRUCKER - PINK PLANT - GOLD

RECEIVED BY: _____

<u>CYD</u> GROSS LBS <u>16 CYD</u>
TARE LBS _____
NET LBS _____
TOTAL TONS <u>16 CYD</u>

TICKET TYPE	
INVOICE	CASH SALE
INBOUND	

CASH SALES INFORMATION	
TONNAGE	
PRICE / TON	
SUB-TOTAL	
SALES TAX	
FREIGHT	
TOTAL	
CHECK/AUTH. NO.	

1533

DATE 10-31-2019 TIME _____

SITE NUMBER Hubble

SITE NAME _____

SALES ORDER NO. _____

SOLD TO <u>Silol Contracting</u>		
CUSTOMER NO. _____		
ADDRESS _____		
DELIVERY INFO: _____		
JOB INFO / P.O. NUMBER / INSTRUCTIONS _____		
PRODUCT DESCRIPTION <u>Topsoil</u>		
PRODUCT CODE _____		
LOAD FEE (<3 TON) 006	DELIVERY ZONE: _____	SATURDAY DELIVERY 003
TRUCKING CUSTOMER TRUCK DELIVERED		
HAULED BY _____		
TRUCK NUMBER <u>2029</u>		DRIVER <u>Jordan</u>

OFFICE - WHITE CUSTOMER - YELLOW TRUCKER - PINK PLANT - GOLD

RECEIVED BY: _____

GROSS LBS ^{cys} <u>16 cys</u>
TARE LBS _____
NET LBS _____
TOTAL TONS <u>16 cys</u>

TICKET TYPE	
INVOICE	CASH SALE
INBOUND	

CASH SALES INFORMATION	
TONNAGE	
PRICE / TON	
SUB-TOTAL	
SALES TAX	
FREIGHT	
TOTAL	
CHECK/AUTH. NO.	

1534

DATE 10-31-2019 TIME _____

SITE NUMBER Hobbs

SITE NAME _____

SALES ORDER NO. _____

SOLD TO <u>Siler Contracting</u>		
CUSTOMER NO.		
ADDRESS		
DELIVERY INFO:		
JOB INFO / P.O. NUMBER / INSTRUCTIONS		
PRODUCT DESCRIPTION <u>Topsoil</u>		
PRODUCT CODE		
LOAD FEE (<3 TON) 006	DELIVERY ZONE:	SATURDAY DELIVERY 003
TRUCKING CUSTOMER TRUCK DELIVERED		
HAULED BY:		
TRUCK NUMBER <u>535</u>		DRIVER <u>Mike</u>

OFFICE - WHITE CUSTOMER - YELLOW TRUCKER - PINK PLANT - GOLD

RECEIVED BY: _____

<u>CXD</u> GROSS LBS <u>16 CXD</u>
TARE LBS _____
NET LBS _____
TOTAL TONS <u>16 CXD</u>

TICKET TYPE	
INVOICE	CASH SALE
INBOUND	

CASH SALES INFORMATION	
TONNAGE	
PRICE / TON	
SUB-TOTAL	
SALES TAX	
FREIGHT	
TOTAL	
CHECK/AUTH. NO.	

1535

DATE 10-31-2019 TIME _____

SITE NUMBER HBB12

SITE NAME _____

SALES ORDER NO. _____

SOLD TO <u>Siler Contracting</u>		
CUSTOMER NO. _____		
ADDRESS _____		
DELIVERY INFO: _____		
JOB INFO / P.O. NUMBER / INSTRUCTIONS _____		
PRODUCT DESCRIPTION <u>Topsoil</u>		
PRODUCT CODE _____		
LOAD FEE (<3 TON) 006	DELIVERY ZONE: _____	SATURDAY DELIVERY 003
TRUCKING CUSTOMER TRUCK DELIVERED		
HAULED BY _____		
TRUCK NUMBER <u>535</u>	DRIVER <u>Mike</u>	

OFFICE - WHITE CUSTOMER - YELLOW TRUCKER - PINK PLANT - GOLD

RECEIVED BY: _____

GROSS LBS <u>16 CXL</u>
TARE LBS _____
NET LBS _____
TOTAL TONS <u>16 CXL</u>

TICKET TYPE	
INVOICE	CASH SALE
INBOUND	

CASH SALES INFORMATION	
TONNAGE	
PRICE / TON	
SUB-TOTAL	
SALES TAX	
FREIGHT	
TOTAL	
CHECK/AUTH. NO.	

1536

DATE 10-31-2019 TIME _____

SITE NUMBER H-661e

SITE NAME _____

SALES ORDER NO. _____

SOLD TO <u>Siler Contracting</u>		
CUSTOMER NO.		
ADDRESS		
DELIVERY INFO:		
JOB INFO / P.O. NUMBER / INSTRUCTIONS		
PRODUCT DESCRIPTION <u>TOPSOIL</u>		
PRODUCT CODE		
LOAD FEE (<3 TON) 006	DELIVERY ZONE	SATURDAY DELIVERY 003
TRUCKING CUSTOMER TRUCK DELIVERED		
HAULED BY		
TRUCK NUMBER <u>LEAD</u>		DRIVER <u>DAVID</u>

OFFICE - WHITE CUSTOMER - YELLOW TRUCKER - PINK PLANT - GOLD

RECEIVED BY: _____

GROSS LBS <u>24 CYD</u>
TARE LBS _____
NET LBS _____
TOTAL TONS <u>24 CYD</u>

TICKET TYPE	
INVOICE	CASH SALE
INBOUND	

CASH SALES INFORMATION	
TONNAGE	
PRICE / TON	
SUB-TOTAL	
SALES TAX	
FREIGHT	
TOTAL	
CHECK/AUTH. NO.	

1532

APPENDIX E

Waste Profile

Requested Facility: K&W Landfill☐ Unsure Profile Number: 125476MI☐ Multiple Generator Locations (Attach Locations) ☒ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____**A. GENERATOR INFORMATION (MATERIAL ORIGIN)**

1. Generator Name: Honeywell
2. Site Address: 52986 M-26
(City, State, ZIP) Lake Linden MI 49945
3. County: Houghton
4. Contact Name: Chuck Geadelmann
5. Email: chuck.geadelmann@honeywell.com
6. Phone: (753) 954-5418 7. Fax: _____
8. Generator EPA ID: MIN000507870 ☐ N/A
9. State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

1. Common Name: Soil Impacted with Roofing Material
Describe Process Generating Material: ☐ See Attached

Bulk ACM was identified in the ROW adjacent to the site. The bulk ACM originated from the Mineral Building roof, which was in poor condition. In 2018, Silver Shore retained a certified asbestos abatement contractor to remove the roof and

2. Material Composition and Contaminants: ☐ See Attached

1. Soil	98-100 %
2. Roofing Material	1-2 %
3.	
4.	

Total comp. must be equal to or greater than 100% ≥100%

3. State Waste Codes: _____ ☒ N/A
4. Color: Varies
5. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☒ N/A
7. pH: _____ to _____ ☒ N/A
8. Strong Odor: ☐ Yes ☒ No Describe: _____
9. Flash Point: ☐ <140°F ☐ 140°-199°F ☐ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☒ Yes

Please identify applicable samples and/or lab reports:

Scanlan - C&H.PDF: All samples. These results are fragments encountered in the soil.

2. Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): Chuck Geadelmann Date: 10/30/2019

Title: Corporate Manager

Company: Honeywell International

Certification Signature

Chuck Geadelmann

B. BILLING INFORMATION☐ SAME AS GENERATOR

1. Billing Name: Honeywell
2. Billing Address: 115 Tabor Road
(City, State, ZIP) Morris Plains NJ 07950
3. Contact Name: Jessica Telano
4. Email: jessica.telano@honeywell.com
5. Phone: (973) 216-0558 6. Fax: _____
7. WM Hauled? ☐ Yes ☐ No
8. P.O. Number: _____
9. Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
2. State Hazardous Waste? ☐ Yes ☒ No
Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
5. From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
***If Yes, see Addendum (page 2) for additional questions and space.**
9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
a. Regulated by 40 CFR 761? ☐ Yes ☐ No
b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
c. Were PCB imported into the US? ☐ Yes ☐ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
11. Contains Asbestos? ☒ Yes ☐ No
→ If Yes: ☒ Non-Friable ☐ Non-Friable - Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

1. ☒ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 90
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
3. Container Type and Size: _____
4. USDOT Proper Shipping Name: ☒ N/A



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 125476MI

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1):

If more space is needed, please attach additional pages.

surficial bulk ACM from the ROW. EGLE (formerly MDEQ), Air Quality Division asbestos inspector completed an inspection to confirm that fragments of the asbestos containing roofing material were removed from the ROW. Silver Shore has been completing monthly ROW inspections and manual removal of suspect ACM.

Material Composition and Contaminants (Continued from page 1):

If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	
	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?

☐ Yes ☐ No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4.

☐ Yes ☐ No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

☐ Yes ☐ No

→ If Yes, please check **one** of the following:

☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes:

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

☐ Delisted Hazardous Waste

☐ Excluded Waste under 40 CFR 261.4 → Specify Exclusion:

☐ Treated Hazardous Waste Debris

☐ Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue.

☐ Yes ☐ No

b. Does this material contain benzene?

☐ Yes ☐ No

1. If yes, what is the flow weighted average concentration?

_____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams?

☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg

d. Is this waste soil from a remediation?

☐ Yes ☐ No

1. If yes, what is the benzene concentration in remediation waste?

_____ ppmw

e. Does the waste contain >10% water/moisture?

☐ Yes ☐ No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?

☐ Yes ☐ No

g. Is material exempt from controls in accordance with 40 CFR 61.342?

☐ Yes ☐ No

→ If yes, specify exemption:

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

☐ Yes ☐ No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination?

☐ Yes ☐ No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g:

APPENDIX F

Manifests and Associated Weigh Tickets



K&W Landfill
11877 HWY 38
Ontonagon, MI, 49953
Ph: 906-883-3504

Reprint
Ticket# 298020

Customer Name HONEYWELLINT HONEYWELL INTERN Carrier BILLSILERCONTR Bill Siler Contractin
Ticket Date 10/31/2019 Vehicle# 2028 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000509
State Waste Code Gen EPA ID
Manifest 924618 Grid
Destination
PO A0004I4730
Profile ASB125476MI (SOIL IMPACTED WITH ROOFING MATERIAL WM011A)
Generator 136-HONEYWELL52986 HONEYWELL

	Time	Scale	Operator	Inbound	Gross	
In	10/31/2019 10:08:04	Scale	LThoreson		Tare	63200 lb
Out	10/31/2019 10:20:48	Scale	LThoreson		Net	31640 lb
					Tons	31560 lb
						15.78

Comments HONEYWELL
52986 HIGHWAY M26
HUBBELL, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Non Fri-Tons-A	100	15.78	Tons				HOUGMI

Total Tax
Total Ticket

Driver's Signature

Load #1

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number ASB125476MI		NESHAP Notified ____ YES ____ NO		WSR Number 924618		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (Including Zip Code) Honeywell 115 Tabor Road Morris Plains, NJ 07950						1-C. Generator's Phone Number 763-954-5418	
1-D. Work Site Address Honeywell 52986 Highway M-26 Hubbell, MI 49934						1-E. 24 Hour Emergency Response Telephone Number 763-954-5418	
2. Operator's Name and Complete Mailing Address						Operator's Phone Number 1	
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953						WDS Phone Number 906-883-3504	
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 489090-7760							
5. Description of Materials Soil Impacted with Roofing Material				6. Containers No. Type		7. Total Quantity yd3	
friable asbestos				RQ, NA2212, Asbestos, 9, PGIII			
non-friable asbestos				Cat I _____ Cat II <u>5</u>			
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Michael J. McManus				Signature <i>[Signature]</i>		Date 10-31-19	
10. Transporter 1 Company Name B.I. Siler Contracting Complete Mailing Address 45505 Champion St South Range MI 49763 Telephone Number (including area code) 906 482 8518				Driver Signature <i>[Signature]</i> Printed Name and Title Richard Bleise Jr. Date 10-31-19			
11. Transporter 2 Company Name Complete Mailing Address Telephone Number (including area code)				Driver Signature Printed Name and Title Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.							
Printed/Typed Name and Title Linda Thompson Operations Specialist				Signature <i>[Signature]</i>		Date 10-31-19	



K&W Landfill
11877 HWY 38
Ontonagon, MI, 49953
Ph: 906-883-3504

Reprint
Ticket# 298027

Customer Name HONEYWELLINT HONEYWELL INTERN Carrier BILLSILERCONTR Bill Siler Contractin
Ticket Date 10/31/2019 Vehicle# 535 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000509
State Waste Code Gen EPA ID
Manifest 924619
Destination Grid
PO A000414730
Profile ASB125476MI (SOIL IMPACTED WITH ROOFING MATERIAL WM011A)
Generator 136-HONEYWELL52986 HONEYWELL

	Time	Scale	Operator	Inbound	Gross	
In	10/31/2019 10:50:18	Scale	LThoreson		Tare	66100 lb 31400 lb
Out	10/31/2019 11:06:11	Scale	LThoreson		Net	34700 lb
					Tons	17.35

Comments HONEYWELL
52986 HIGHWAY M26
HUBBELL, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Non Fri-Tons-A	100	17.35	Tons				HOUGMI

Total Tax
Total Ticket

Driver's Signature

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Generator	1-A. Special Waste Profile Number ASB125476MI	NESHAP Notified ____ YES ____ NO	WSR Number 924619	Elevation _____ North _____ East _____
	1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) Honeywell 115 Tabor Road Morris Plains, NJ 07950			1-C. Generator's Phone Number 763-954-5418
	1-D. Work Site Address Honeywell 52986 Highway M-26 Hubbell, MI 49934			1-E. 24 Hour Emergency Response Telephone Number 763-954-5418
	2. Operator's Name and Complete Mailing Address			Operator's Phone Number
	3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953			WDS Phone Number 906-883-3504
Generator	4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760			
	5. Description of Materials Soil Impacted with Roofing Material		6. Containers No. Type	7. Total Quantity yd3
	friable asbestos	RQ, NA2212, Asbestos, 9, PGIII		17.35 tons 16
	non-friable asbestos	Cat I _____ Cat II <u>5</u>		
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED				
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.				
Printed/Typed Name and Title Michael J. McGowan		Signature <i>Michael J. McGowan</i>		Date 10/31/19
Transporter	10. Transporter 1 Company Name B.I. Siler Contracting Complete Mailing Address 45805 Champion St South Range MI 49963		Driver Signature <i>Michael McCloskey</i>	
	Telephone Number (including area code) 906 482 8578		Printed Name and Title Michael McCloskey	
			Date 10-31-19	
	11. Transporter 2 Company Name		Driver Signature	
Complete Mailing Address				
Telephone Number (including area code)		Printed Name and Title		
		Date		
Disposal Site	12. Discrepancy Indication Space			
	13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.			
	Printed/Typed Name and Title Linda Thompson Operations Specialist		Signature <i>Linda Thompson</i>	Date 10-31-19



K&W Landfill
11877 HWY 38
Ontonagon, MI, 49953
Ph: 906-883-3504

Reprint
Ticket# 298034

Customer Name HONEYWELLINT HONEYWELL INTERN Carrier BILLSILERCONTR Bill Siler Contractin
Ticket Date 10/31/2019 Vehicle# 2029 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000509
State Waste Code Gen EPA ID
Manifest 924620
Destination Grid
PO A000414730
Profile ASB125476MI (SOIL IMPACTED WITH ROOFING MATERIAL WM011A)
Generator 136-HONEYWELL52986 HONEYWELL

	Time	Scale	Operator	Inbound	Gross	
In	10/31/2019 11:45:53	Scale	LThoreson		Tare	69300 lb
Out	10/31/2019 11:57:01	Scale	LThoreson		Net	31440 lb
					Tons	37860 lb
						18.93

Comments HONEYWELL
52986 HIGHWAY M26
HUBBELL, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Non Fri-Tons-A	100	18.93	Tons				HOUGMI

Total Tax
Total Ticket

Driver's Signature

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number ASB125476MI		NESHAP Notified <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		WSR Number 924620		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) Honeywell 115 Tabor Road Morris Plains, NJ 07950					1-C. Generator's Phone Number 763-954-5418		
1-D. Work Site Address Honeywell 52986 Highway M-26 Hubbell, MI 49934					1-E. 24 Hour Emergency Response Telephone Number 763-954-5418		
2. Operator's Name and Complete Mailing Address					Operator's Phone Number		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 489090-7760							
5. Description of Materials							
Soil Impacted with Roofing Material							
friable asbestos				RQ, NA2212, Asbestos, 9, PGIII			
non-friable asbestos				Cat I _____ Cat II <u>✓</u>			
						16	
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Michael J. McEwan				Signature <i>Honeywell</i> <i>Michael J. McEwan</i>		Date 10/31/19	
10. Transporter 1 Company Name B.I. Siler Contracting Complete Mailing Address 45505 Champion St South Range MI 49763							
Telephone Number (including area code) 906 482 8578				Driver Signature <i>Jordan Klemett</i>			
				Printed Name and Title Jordan Klemett			
				Date 10-31-19			
11. Transporter 2 Company Name							
Complete Mailing Address				Driver Signature			
				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.							
Printed/Typed Name and Title Linda Hoesen Operations Specialist				Signature <i>Linda Hoesen</i>		Date 10-31-19	



K&W Landfill
11877 HWY 38
Ontonagon, MI, 49953
Ph: 906-883-3504

Reprint
Ticket# 298045

Customer Name HONEYWELLINT HONEYWELL INTERN Carrier BILLSILERCONTR Bill Siler Contractin
Ticket Date 10/31/2019 Vehicle# 535 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000509
State Waste Code Gen EPA ID
Manifest 924621
Destination Grid
PO A000414730
Profile ASB125476MI (SOIL IMPACTED WITH ROOFING MATERIAL WM011A)
Generator 136-HONEYWELL52986 HONEYWELL

	Time	Scale	Operator	Inbound	Gross	94380 lb
In	10/31/2019 13:38:06	Scale	LThoreson		Tare	41620 lb
Out	10/31/2019 14:04:27	Scale	LThoreson		Net	52760 lb
					Tons	26.38

Comments HONEYWELL
52986 HIGHWAY M26
HUBBELL, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Non Fri-Tons-A	100	26.38	Tons				HOUGMI

Total Tax
Total Ticket

Driver's Signature

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number ASB125476MI		NESHAP Notified ____ YES ____ NO		WSR Number 924621		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) Honeywell 115 Tabor Road Morris Plains, NJ 07950					1-C. Generator's Phone Number 763-954-5418		
1-D. Work Site Address Honeywell 52986 Highway M-26 Hubbell, MI 49934					1-E. 24 Hour Emergency Response Telephone Number 763-954-5418		
2. Operator's Name and Complete Mailing Address					Operator's Phone Number		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 489090-7760							
5. Description of Materials Soil impacted with Roofing Material							
friable asbestos				RQ, NA2212, Asbestos, 9, PGIII		6. Containers No. Type	
non-friable asbestos				Cat I _____ Cat II <u>5</u>		7. Total Quantity yd3	
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Michael J. McCann				Signature <i>Michael J. McCann</i>		Date 10-31-19	
10. Transporter 1 Company Name B.I. Siler Contracting Complete Mailing Address 45805 Champion St South Range MI 49763				Driver Signature <i>Michael McCloskey</i>			
Telephone Number (including area code) 906 482 8518				Printed Name and Title Michael McCloskey			
11. Transporter 2 Company Name				Date 10-31-19			
Complete Mailing Address				Driver Signature			
Telephone Number (including area code)				Printed Name and Title			
				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.							
Printed/Typed Name and Title Linda Thoreson, Operations Specialist				Signature <i>Linda Thoreson</i>		Date 10-31-19	



K&W Landfill
11877 HWY 38
Ontonagon, MI, 49953
Ph: 906-883-3504

Reprint
Ticket# 298053

Customer Name HONEYWELLINT HONEYWELL INTERN Carrier BILLSILERCONTR Bill Siler Contractin
Ticket Date 10/31/2019 Vehicle# 2028 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000509
State Waste Code Gen EPA ID
Manifest 924622
Destination Grid
PO A000414730
Profile ASB125476MI (SOIL IMPACTED WITH ROOFING MATERIAL WM011A)
Generator 136-HONEYWELL52986 HONEYWELL

	Time	Scale	Operator	Inbound	Gross	
In	10/31/2019 15:25:57	Scale	LThoreson		Tare	82820 lb 31480 lb
Out	10/31/2019 15:38:33	Scale	LThoreson		Net	51340 lb
					Tons	25.67

Comments HONEYWELL
52986 HIGHWAY M26
PELKIE, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Non Fri-Tons-A	100	25.67	Tons				HOUGMI

Total Tax
Total Ticket

Driver's Signature

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Generator	1-A. Special Waste Profile Number ASB125476MI		NESHAP Notified ____ YES ____ NO		WSR Number <u>924622</u>		Elevation _____ North _____ East _____	
	1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) Honeywell 115 Tabor Road Morris Plains, NJ 07950						1-C. Generator's Phone Number 763-954-5418	
	1-D. Work Site Address Honeywell 52986 Highway M-26 Hubbell, MI 49934						1-E. 24 Hour Emergency Response Telephone Number 763-954-5418	
	2. Operator's Name and Complete Mailing Address						Operator's Phone Number	
	3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953						WDS Phone Number 906-883-3504	
	4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 489090-7760							
	5. Description of Materials Soil Impacted with Roofing Material						6. Containers No. Type	
	friable asbestos						RQ, NA2212, Asbestos, 9, PGIII	
	non-friable asbestos						Cat I _____ Cat II <u>5</u>	
	7. Total Quantity yd3 <u>25.67 tons</u> <u>16</u>							
Transporter	8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
	9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
	Printed/Typed Name and Title Michael J. McEwan				Signature <i>Michael J. McEwan</i>		Date 10-31-19	
	10. Transporter 1 Company Name B.I. Siler Contracting Complete Mailing Address 45505 Champion St South Range MI 49763				Driver Signature <i>Richard Bleise Jr.</i>			
	Telephone Number (including area code) 906 482 8578				Printed Name and Title Richard Bleise Jr.			
					Date 10-31-19			
	11. Transporter 2 Company Name				Driver Signature			
	Complete Mailing Address				Printed Name and Title			
	Telephone Number (including area code)				Date			
	Disposal Site	12. Discrepancy Indication Space						
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.								
Printed/Typed Name and Title Kinda Thoreson Operations Specialist				Signature <i>Kinda Thoreson</i>		Date 10-31-19		

WHITE - Disposal Site

CANARY - Generator
(To be mailed by Disposal Site)

PINK - Transporter

GOLD - Generator
(To be taken prior to disposal)