

Dane County Conditional Use Permit Application

Application Date	C.U.P Number
05/12/2026	DCPCUP-2026-02712
Public Hearing Date	
07/28/2026	

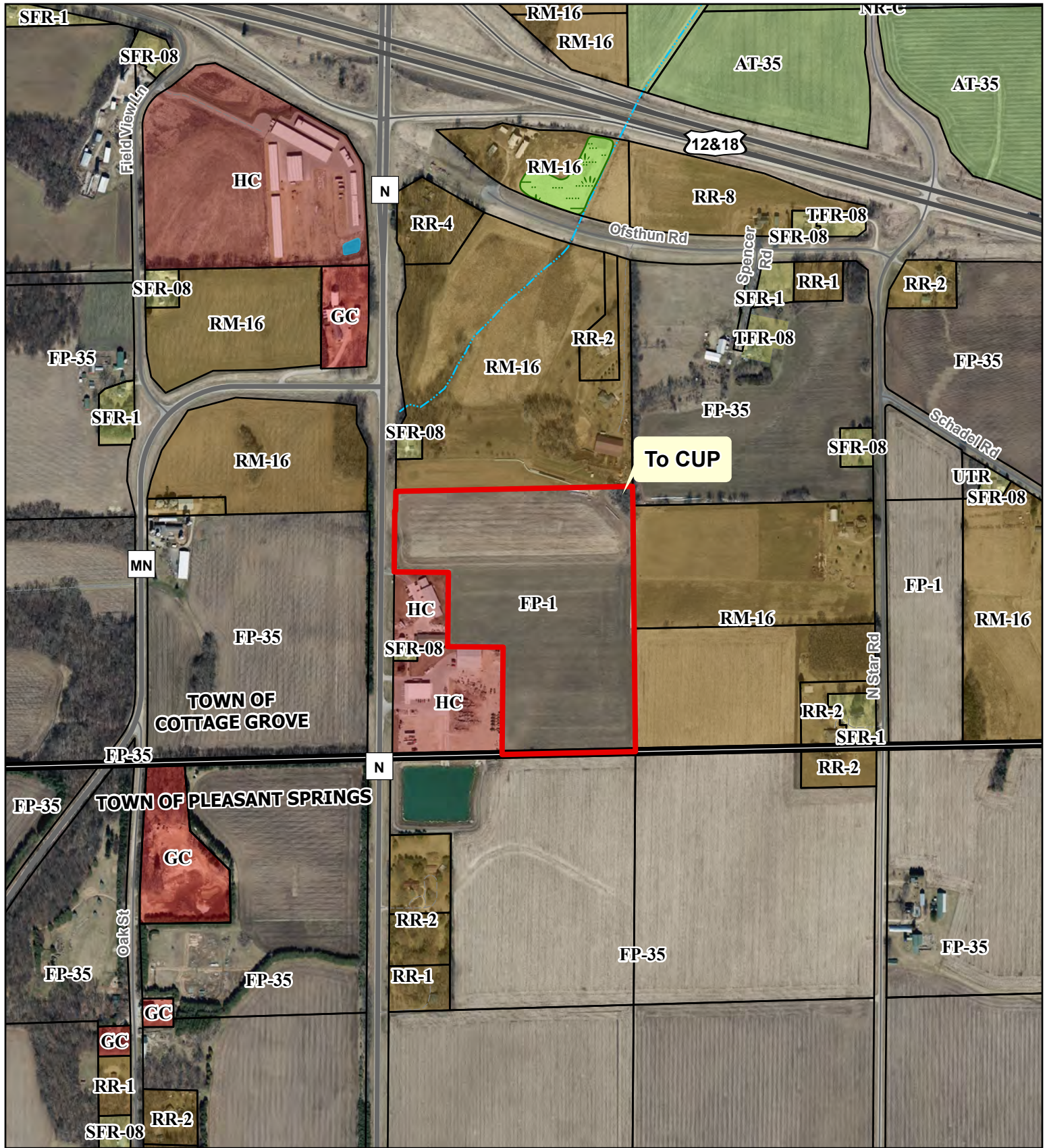
OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME DANE, COUNTY OF	Phone with Area Code (608) 514-2319	AGENT NAME ☐	Phone with Area Code (608) 514-2319
BILLING ADDRESS (Number, Street) 2302 FISH HATCHERY RD		ADDRESS (Number, Street) 2302 FISH HATCHERY RD	
(City, State, Zip) MADISON, WI 53713		(City, State, Zip) MADISON, WI 53713	
E-MAIL ADDRESS		E-MAIL ADDRESS	

ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP	
North of 3236 County Highway N					
TOWNSHIP COTTAGE GROVE	SECTION 33	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED	
0711-334-9235-0					

CUP DESCRIPTION
Clay materials removal

DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
10.281(3)(i)	31.98

DEED RESTRICTION REQUIRED? ☐ Yes ☐ No Applicant Initials _____	Inspectors Initials DJE1	SIGNATURE:(Owner or Agent) <i>Clement Abongwa</i>
		PRINT NAME: Clement Abongwa
		DATE: 5/12/26

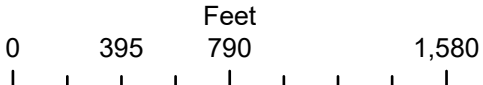


- Proposed Zoning
- Tax Parcels
- Farmland Preservation
- Agricultural Transition
- Commercial
- Heavy Commercial

- Natural Resource Conservancy
- Residential
- Rural Residential and Rural Mixed Use
- Special Use
- Municipal Boundary

- Highway Symbols
- Local Road Names
- Private Road Names
- Alleys
- Unnamed Private Roads

CUP 2712 DANE, COUNTY OF





Dane County
Department of Planning and Development
Zoning Division
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703
(608) 266-4266

Application Fees	
General:	\$495
Mineral Extraction:	\$1145
Communication Tower:	\$1145 (+\$3000 RF eng review fee)
PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT	

CONDITIONAL USE PERMIT APPLICATION

APPLICANT INFORMATION

Property Owner Name:		Agent Name:	
Address (Number & Street):		Address (Number & Street):	
Address (City, State, Zip):		Address (City, State, Zip):	
Email Address:		Email Address:	
Phone#:		Phone#:	

SITE INFORMATION

Township:		Parcel Number(s):	
Section:		Property Address or Location:	
Existing Zoning:	Proposed Zoning:	CUP Code Section(s):	

DESCRIPTION OF PROPOSED CONDITIONAL USE

Type of conditional use permit (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use):	Is this application being submitted to correct a violation? Yes ☐ No ☐
Provide a short but detailed description of the proposed conditional use:	

GENERAL APPLICATION REQUIREMENTS

Applications will not be accepted until the applicant has met with department staff to review the application and determined that all necessary information has been provided. Only complete applications will be accepted. All information from the checklist below must be included. Note that additional application submittal requirements apply for particular uses or as may be required by the Zoning Administrator. Applicants for significant and/or potentially controversial conditional uses are strongly encouraged to meet with staff prior to submittal.

☐ Complete attached information sheet for standards	☐ Site Plan drawn to scale	☐ Detailed operational plan	☐ Written legal description of boundaries	☐ Detailed written statement of intent	☐ Application fee (non-refundable), payable to Dane County Treasurer
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I certify by my signature that all information presented herein is true and correct to the best of my knowledge. I hereby give permission for staff of the Dane County Department of Planning and Development to enter my property for the purpose of collecting information to be used as part of the review of this application. I acknowledge that submittal of false or incorrect information may be grounds for denial of this application.

Owner/Agent Signature: _____

Date: _____

STANDARDS FOR CONDITIONAL USE PERMITS

Applicants must provide adequate evidence demonstrating to the Town and Dane County Zoning & Land Regulation Committee that the proposed conditional use satisfies the following 8 standards for approval, along with any additional standards specific to the applicable zoning district or particular use found in sections [10.220\(1\)](#) and [10.103](#) of the code.

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

- | |
|---|
| 1. The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare. |
| 2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use. |
| 3. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district. |
| 4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use. |
| 5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets. |
| 6. That the conditional use shall conform to all applicable regulations of the district in which it is located. |
| 7. The conditional use is consistent with the adopted town and county comprehensive plans. |
| 8. If the conditional use is located in a Farmland Preservation (FP) Zoning district, the conditional use is subject to the following additional standards found in section 10.220(1). Attach additional pages, if necessary. <ul style="list-style-type: none">• Explain how the use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district:• Explain how the use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations:• Explain how the use is reasonably designed to minimize the conversion of land from agricultural use or open space use:• Explain how the use does not substantially impair or limit the current or future agricultural use of surrounding parcels zoned for agricultural use:• Explain how construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible: |

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.

List the proposed days and hours of operation.

List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.

List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.

Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.

For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.

List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.

List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.

Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.

Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.

Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.

Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. [10.800](#).

Briefly describe the current use(s) of the property on which the conditional use is proposed.

Briefly describe the current uses of surrounding properties in the neighborhood.

APPLICATION CHECKLIST FOR A CONDITIONAL USE PERMIT

A scaled site plan and detailed operations plan must be submitted with your Conditional Use Permit application. Please use the checklist below to ensure you are submitting all required information applicable to your request. Please attach to your application form the required maps and plans listed below, along with any additional pages.

☐ **SCALED SITE PLAN. Show sufficient detail on 11" x 17" paper. Include the following information, as applicable:**

- ☐ Scale and north arrow.
- ☐ Date the site plan was created.
- ☐ Existing subject property lot lines and dimensions.
- ☐ Existing and proposed wastewater treatment systems and wells.
- ☐ All buildings and all outdoor use and/or storage areas, existing and proposed, including provisions for water and sewer.
- ☐ All dimension and required setbacks, side yards and rear yards.
- ☐ Location and width of all existing and proposed driveway entrances onto public and private roadways, and of all interior roads or driveways.
- ☐ Location and dimensions of any existing utilities, easements or rights-of-way.
- ☐ Parking lot layout in compliance with s. [10.102\(8\)](#).
- ☐ Proposed loading/unloading areas.
- ☐ Zoning district boundaries in the immediate area. All districts on the property and on all neighboring properties must be clearly labeled.
- ☐ All relevant natural features, including navigable and non-navigable waters, floodplain boundaries, delineated wetland areas, natural drainage patterns, archeological features, and slopes over 12% grade.
- ☐ Location and type of proposed screening, landscaping, berms or buffer areas if adjacent to a residential area.
- ☐ Any lighting, signs, refuse dumpsters, and possible future expansion areas.

☐ **NEIGHBORHOOD CHARACTERISTICS. Describe existing land uses on the subject and surrounding properties:**

- ☐ Provide a brief written statement describing the current use(s) of the property on which the conditional use is proposed.
- ☐ Provide a brief written statement documenting the current uses of surrounding properties in the neighborhood.

☐ **OPERATIONS PLAN AND NARRATIVE. Describe in detail the following characteristics of the operation, as applicable:**

- ☐ Hours of operation.
- ☐ Number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
- ☐ Anticipated noise, odors, dust, soot, runoff or pollution and measures taken to mitigate impacts to neighboring properties.
- ☐ Descriptions of any materials stored outside and any activities, processing or other operations taking place outside an enclosed building.
- ☐ Compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.
- ☐ Sanitary facilities, including adequate private onsite wastewater treatment systems and any manure storage or management plans approved by the Madison and Dane County Public Health Agency and/or the Dane County Land and Water Resources Department.
- ☐ Facilities for managing and removal of trash, solid waste and recyclable materials.
- ☐ Anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
- ☐ A listing of hazardous, toxic or explosive materials stored on site, and any spill containment, safety or pollution prevention measures taken.
- ☐ Outdoor lighting and measures taken to mitigate light-pollution impacts to neighboring properties.
- ☐ Signage, consistent with section [10.800](#).

☐ **ADDITIONAL MATERIALS. Additional information is required for certain conditional uses listed in s. [10.103](#):**

- ☐ Agricultural entertainment, special events, or outdoor assembly activities anticipating over 200 attendees must file an [event plan](#).
- ☐ [Domestic pet](#) or [large animal boarding](#) must provide additional information in site and operations plans.
- ☐ Communication towers must submit additional information as required in s. [10.103\(9\)](#).
- ☐ Farm residences proposed in the FP-35 district must submit additional information as required in s. [10.103\(11\)](#).
- ☐ Mineral extraction proposals must submit additional information as required in s. [10.103\(15\)](#).



PROJECT NARRATIVE FOR
REZONING AND MINERAL EXTRACTION
CONDITIONAL USE PERMIT
at
Parcel #018/0711-334-9235-0
Cottage Grove, WI 53527

Submitted to:
Dane County – Zoning Division

Submitted on:
April 30, 2026

Submitted by:
Dane County Department of Waste + Renewables

County Executive Melissa Agard
Director John Welch, PE

1919 Alliant Energy Center Way
Madison, Wisconsin 53713

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SECTION 1. PROJECT DESCRIPTION

Dane County Department of Waste + Renewables (W+R) purchased approximately 32 acres (the “Property”) in 1994 off County Trunk Highway (CTH) N for use in landfill mineral extraction operations. Dane County Department of Highway & Transportation (H&T) recently purchased the Property from W+R to use the land for indoor and outdoor storage of equipment and material. Prior to construction of any buildings, H&T and W+R have agreed to allow W+R to perform mineral extraction operations to remove landfill quality clay.

W+R is seeking to rezone the property from “Small Lot Farmland Preservation (FP-1)” to “Rural Industrial (RI)” with a conditional use for mineral extraction operations to allow development on the Property.

This narrative, rezoning application, conditional use permit application and other associated attachments serve as a formal request to allow the aforementioned land use.

SECTION 2. PROJECT LOCATION

The Property resides on one parcel in Section 33, Township 7 North, Range 11 East, all in the Town of Cottage Grove, Dane County, WI. The Property is approximately 3,500 feet north of West Star Road, between CTH N and North Star Road. The parcel number for this property is 018/0711-334-9235-0. A legal description is located in **Attachment A**.

SECTION 3. PARTIES INVOLVED

Owner: Dane County Department of Highway & Transportation
2302 Fish Hatchery Road
Madison, WI 53713
Clement Abongwa, Commissioner
(608) 266-4039

Applicant: Dane County Department of Waste + Renewables
1919 Alliant Energy Center Way
Madison, WI 53713
John Welch, Director
(608) 516-4154

Consultant: SCS Engineers
2830 Dairy Drive
Madison, WI 53718
Betsy Powers, P.E.

Architect / Engineer (proposed indoor storage building): TBD

SECTION 4. EXISTING CONDITIONS AND USES

The Property is currently leased agricultural land with the majority of the site draining to the north or northeast and a small portion draining to the southwest. The Property is currently zoned FP-1 with the intention to rezone the lands to RI to permit industrial use of the site (Figure #1 in **Attachment C**).

Lands adjacent to the Property are currently zoned RM-16 to the north, FP-35 and RM-16 to the east, FP-35 to the south, and RM-16 and FP-35 to the west (Figure #3 and #4 in **Attachment C**). Note, lands immediately to the south of the Property, in the Town of Pleasant Springs, are being rezoned from FP-35 to RI.

SECTION 5. PROPOSED LAND USES

The proposed land uses at the Property include mineral extraction, outdoor storage, and indoor storage building. The materials anticipated to be stored outdoors may include culverts, various pipes, gravel, or other material purchased in bulk. The indoor storage is anticipated to house various pieces of highway equipment (heavy equipment, specialty equipment, traffic control devices, etc.) and potentially have lease space for other County departments who may need additional cold storage space. Additionally, the indoor storage building is anticipated to have a restroom facility (discussed more in Section 9).

The proposed land uses are consistent with the Town of Cottage Grove's Amended Comprehensive Plan that identifies the Property slated for a future land use of "Commercial Development Area" (Map 16, included as **Attachment B**).

SECTION 6. POTENTIAL IMPACTS TO NEIGHBORING PROPERTIES

The potential impacts to neighboring properties may include noise, dust, mud tracking, and runoff. To mitigate these potential impacts, the following practices will be used throughout development:

- Noise: Noise will be controlled through the use of muffler systems on equipment or vehicles that meet or exceed industry standards for noise. Additionally, noise will occur only during established periods of time (i.e. hours of operation, discussed in Section 7).
- Dust: Dust will be controlled through the application of water via a sprayer truck or similar.
- Mud tracking: Mud tracking will be controlled through the use of a stone tracking pad, similar to Wisconsin Department of Natural Resources (WDNR) Technical Standard 1057. Additionally, street sweeping equipment may be used should any mud be tracked onto neighboring roadways.
- Runoff: Runoff will be controlled through the use of temporary or permanent sedimentation basins, drainage swales, and/or infiltration. Control of runoff will be designed to meet or exceed County and State stormwater and erosion control requirements (see Section 13 for more information).

The proposed development will not be detrimental to or endanger the public health, safety, comfort or general welfare of neighboring properties. Additionally, the proposed development would not impair neighboring properties existing land uses or their potential for future developments/improvements.

SECTION 7. HOURS OF OPERATION

W+R proposes the following hours of operation for mineral extraction operations:

- Monday through Saturday: 6 AM to 6 PM (CST)
- Sunday and Holidays: No operations to take place

H&T proposes the following hours of operation for indoor and outdoor storage:

- Monday through Friday: 6 AM to 6 PM (CST)
- Saturday, Sunday, and Holidays: No operations to take place unless necessary for emergencies

SECTION 8. NUMBER OF EMPLOYEES

Mineral extraction operations are anticipated to be done by a third-party earthwork contractor. The earthwork contractor may have up to five (5) employees on-site during mineral extraction operations.

The proposed indoor and outdoor storage is not anticipated to be staffed and would only require intermittent access for either the delivery or retrieval of stored materials or equipment.

SECTION 9. BUILDINGS ON PROPERTY

A conceptual site plan for the proposed indoor and outdoor storage is included in the Plan Set (Figure #9 in **Attachment C**). Please note, the conceptual site plan will be refined through H&T's architectural and engineering design services work. Below is a high-level summary of the building features:

- Building footprint: Estimated to be approximately 200,000 - 225,000 sf
- Utilities:
 - Water well: To supply potable water to restrooms and/or potential drinking fountains. Coordinated as part of building design and construction with the appropriate agencies having jurisdiction (e.g. WDNR, etc.).
 - Septic system: To provide adequate handling and storage of wastewater. Coordinated as part of building design and construction with the appropriate agencies having jurisdiction (e.g. Public Health Madison & Dane County, etc.).
 - Telecommunication: To provide internet or telephone capabilities.
 - Electrical: To provide electrical service to the building and exterior lighting.
 - Natural gas: To provide heating capabilities to the building.
- Lighting:
 - Exterior building lighting to provide luminated means for ingress and egress and additional exterior lighting along driveway for security purposes. Note, lighting is not anticipated to cause any significant impacts to neighboring properties.
- Access: Anticipated to be off CTH N within the nearly 440 LF of frontage, positioned in a location with the best line of sight for both north or southbound traffic.
- Signage consistent with Dane County Zoning Ordinance 10.800.
- List of hazardous, toxic, or explosive materials stored on-site (and any spill containment/prevention measures): Not applicable.

Removal of trash, solid waste, or recyclable materials will be done through the use of rented dumpsters or carts with contracted disposal or recycling service contracts, as necessary.

SECTION 10. PHASING

W+R and H&T anticipate two phases of development; the first being mineral extraction and the second being building construction. Each phase is further discussed below.

Subsection 10.1. Phase 1 - Mineral Extraction Operations

W+R received approval from WDNR in December 2023 that allows clay extracted from the Property to be used for either landfill liner or cap under NR 504. W+R anticipates one construction season (2027) to be able to extract the landfill suitable clay, estimated to be approximately 140,000 CY of material. An estimated construction schedule is included in Section 14. A clay isopach map is included in Plan Set (Figure #2 in **Attachment C**) that shows the clay thickness, estimated clay volume, and boring locations. Additionally, **Attachment D and E** contain the boring and abandonment logs and lab analysis summary table, respectively.

Clay thicknesses observed at the boring locations range from 1 to 5.5 feet, and average about 2.8 feet thick. Generally the borings encountered less than about 10 inches of silty topsoil, overlying the clay. The clay consists of the modern soil profile developed in loess and is classified as lean clay (CL) in the Unified Soil Classification System (USCS). The clay overlies silty sand (glacial till) which overlies dolomite bedrock generally at a depth of about 5 feet. Saturated soils were observed at about 6 feet below ground surface (b.g.s.) at a few boring locations, but generally refusal on bedrock was met before that depth. Borings extended to depths of 2.7 feet to 12.8 feet.

Typical equipment that would be used in the mineral extraction and hauling of clay may be: a dozer, excavator, and on-road tipper trucks (or dump trucks) if stockpiling of material does not occur (i.e. load dump trucks at excavation area). If stockpiling of material occurs, additional equipment may be: haul trucks used to transport from excavation area to the

stockpile and an additional excavator to load dump trucks off the stockpile. Means and methods of the excavation activities are typically determined by the earthwork contractor.

There is not anticipated to be any blasting, drilling, crushing, screening, washing, fuel storage, asphalt batching or concrete mixing associated with mineral extraction operations. There is expected to be equipment refueling operations, anticipated to be through the use of a WDNR-certified fuel delivery truck which carries its own spill containment prevention and control measures. There may be temporary structure associated with mineral extraction operations. This may include a portable scale, portable office, and/or portable restroom facilities.

Additional measures to be used for dust control, environmental protections, and haul routes are described in Section 6 and 12. The proposed use after reclamation is intended to be indoor and outdoor storage for use by H&T (see Subsection 10.2.). A reclamation permit application will be submitted prior to construction, consistent with DCO Chapter 74.

Reclamation after mineral extraction, but prior to building construction, is anticipated to consist of mass grading to ensure adequate drainage, construction of a stormwater pond, and seeding/mulching with a standard WisDOT seed mix. Reclamation will adhere to DCO Chapter 74 requirements.

Subsection 10.2. Phase 2 - Building Construction

A building permit application will be submitted at a later date to obtain buildings permits with the Town of Cottage Grove. That building permit application will include the necessary details outlined in the [Design Review Checklist](#).

SECTION 11. VISUAL SCREENING

The existing Property is used for agricultural purposes and has very little trees present. As part of the building permit application, a landscaping plan will be included. H&T anticipates fencing the entire Property boundary and planting additional trees to create buffer space from neighboring properties.

SECTION 12. TRAFFIC PATTERNS

W+R and H&T anticipates two different traffic patterns regarding each phase of development. Traffic patterns associated with each phase is further discussed below.

Subsection 12.1. Mineral Extraction Operations

Traffic patterns associated with mineral extraction operations are anticipated to be mainly from dump trucks picking up clay material from the Property, bringing it to the proposed landfill (approximately 3.25 miles from the Property), and return to the Property to pick-up the next load. The dump trucks are anticipated to follow the proposed haul route below:

- Exit the Property going north on CTH N
- Take the exit to westbound USH 12 & 18
- Take the exit to southbound CTH AB
- Deliver material to the proposed landfill (4402 Brand Road, Madison, WI 53718)
- Return the back to the Property

Other potential construction traffic may be related to the earthwork contractor operations (e.g. delivery of equipment or mobilization, equipment fueling operations, and/or employees entering or leaving the Property during operating hours).

Subsection 12.2. Building Construction

During building construction, typical construction traffic is anticipated during the normal hours of operation. After building construction, the proposed indoor and outdoor storage is not anticipated to be staffed and would only require

intermittent access for either the delivery or retrieval of stored materials or equipment. Therefore, traffic impacts are anticipated to be minimal.

SECTION 13. STORMWATER AND EROSION CONTROL

A conceptual stormwater basin is anticipated to be located on the northeast portion of the Property (Figure #9 in **Attachment C**). Additionally, there may be temporary sedimentation basins constructed during mineral extraction operations and/or building construction to assist in additional stormwater management.

W+R and H&T understand we will be required to adhere to Dane County's Erosion Control and Stormwater permitting process. Additionally, since more than one acre will be disturbed, W+R and H&T also understand that a Wisconsin Department of Natural Resources (WDNR) Construction Site General Permit is required.

Permit applications for Phase 1 (mineral extraction) are anticipated to be submitted in Q1 2027 to allow for construction in April 2027. Stormwater and erosion control systems will be designed to meet or exceed the requirements of both the County and State.

SECTION 14. SUPPLEMENTAL REQUIREMENTS

Below is a supplemental timeline for each phase of development on this Property:

- Phase 1 – Mineral Extraction Operations
 - April – September 2026 (6 months): Rezoning + CUP/Mineral Extraction Application
 - October – December 2026 (3 months): Bid package development
 - January – April 2027 (4 months): Dane County bidding
 - February – March 2027 (2 months): WDNR and County stormwater and erosion control permitting
 - March 2027: Reclamation Permit Application (required under DCO 74.120, to be submitted at least 30 days prior to start of mineral extraction operations)
 - April 2027: Start mineral extraction operations
 - June - July 2027 (estimated 3-4 months): End mineral extraction operations
 - August 2027: Complete reclamation
- Phase 2 – Building Construction
 - Q2 2026: On-board A/E
 - Q4 2027: Bidding and Contracting
 - Q1/Q2 2028: Start building construction
 - Q2/Q3 2029: End building construction

SECTION 15. ATTACHMENTS

Below is a list of attachments referenced in this Letter of Intent

- Attachment A. Legal Description
- Attachment B. Map 16 from Town of Cottage Grove Amended Comprehensive Plan
- Attachment C. Plan Set
- Attachment D. Boring and Abandonment Logs
- Attachment E. Lab Analysis Summary Table

Attachment A. Legal Description

LEGAL DESCRIPTION

Lot 1, Certified Survey Map No. 15512, recorded in Volume 112 of Certified Survey Maps on Pages 43-46 as Document No. 5645320, located in the Southwest Quarter of the Southeast and the Northwest Quarter of the Southeast Quarter of Section 33, Township 7 North, Range 11 East, Town of Cottage Grove, Dane County, Wisconsin, areas more particularly described as:

Commencing at South Quarter corner of Section 33, aforesaid;
thence North 88°48'18" East along the South line of the Southeast Quarter of said Section 33, a distance of 601.59 feet to the Southwest corner of Lot 1, aforesaid, and the Point of Beginning;
thence along the boundary of said Lot 1 for the remaining courses:
thence North 00°34'25" East, 579.85 feet;
thence North 89°25'46" West, 300.00 feet;
thence North 00°34'02" East, 399.86 feet;
thence North 89°25'44" West, 293.00 feet to the West right-of-way line of County Trunk Highway "N";
thence North 00°34'12" East along said line, 330.33 feet to a jog in said line;
thence North 88°47'05" East along said line, 5.00 feet to a jog in said line;
thence North 00°17'19" East along said line, 104.38 feet;
thence North 88°47'05" East, 1279.27 feet;
thence South 00°37'08" East, 1432.57 feet to the South line of the Southeast Quarter of said Section 33;
thence South 88°48'18" West along said line, 720.21 feet to the Point of Beginning.

Said Lot 1 contains 1,393,031 square feet or 31.98 acres more or less.

Attachment B. Map 16 from Town of Cottage Grove Amended Comprehensive Plan

Legend

Future Land Use Categories¹

Agricultural Preservation Area

Agricultural Transition Area

Open Space and Recreation Area

Neighborhood Development Area

Commercial Development Area

Resource Protection Corridor

Rural Neighborhood Expansion Area

Existing Off-Street Trails

Planned Trails

Conceptual Future Roads

Preliminary Highway 12/CTH AB Interchange Design

1/4-mile radius from 2022 Village limits²

Parcels (Sept. 2024)

Potential Madison Expansion Area (per 2022 intergovernmental agreement)

Town of Cottage Grove Limits (Sep 2024)

Surface Water

Notes:

1. Lands in the Agricultural Preservation Area, including lands also mapped Resource Protection Corridor, may serve as TDR Sending Areas in the Town's TDR program. Lands in the Neighborhood Development Area, and in the Agricultural Transition Area once the Town designates such lands as appropriate for more intensive development, may serve as the primary TDR Receiving Areas. The Town may also allow limited transfer of Residential Density Units (RDUs) between parcels in the Agricultural Preservation Area. See Land Use chapter for details and limits.

2. If the majority of a tax parcel designated as a Neighborhood Development Area or Agricultural Transition Area is within 1/4 mile from the Village of Cottage Grove boundary and tax parcels as of July 5, 2022 (with such 1/4-mile radius shown on this map), transferred RDUs are not required to obtain Town approval of a development on that parcel with greater than the number of housing units (RDUs) allocated to the May 15, 1982 tax parcel.

Sources: MDRoffers Consulting, Strand Associates, FEMA, WI DNR, WI DOT & Dane County LIO

Date: October 15, 2024

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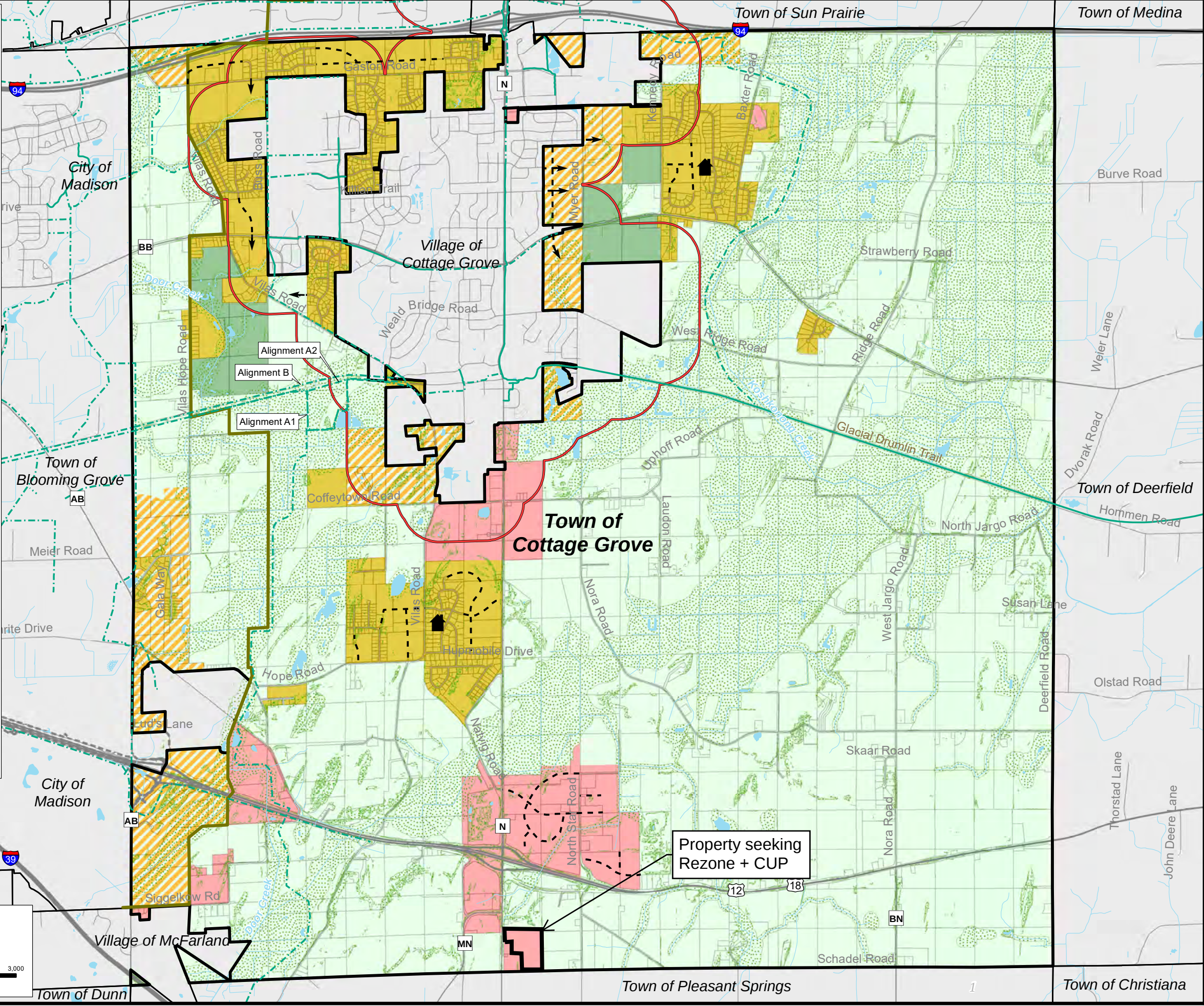
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750

1,500

3,000

Feet



FUTURE LAND USE AND TRANSPORTATION

TOWN OF COTTAGE GROVE COMPREHENSIVE PLAN
DANE COUNTY, WISCONSIN

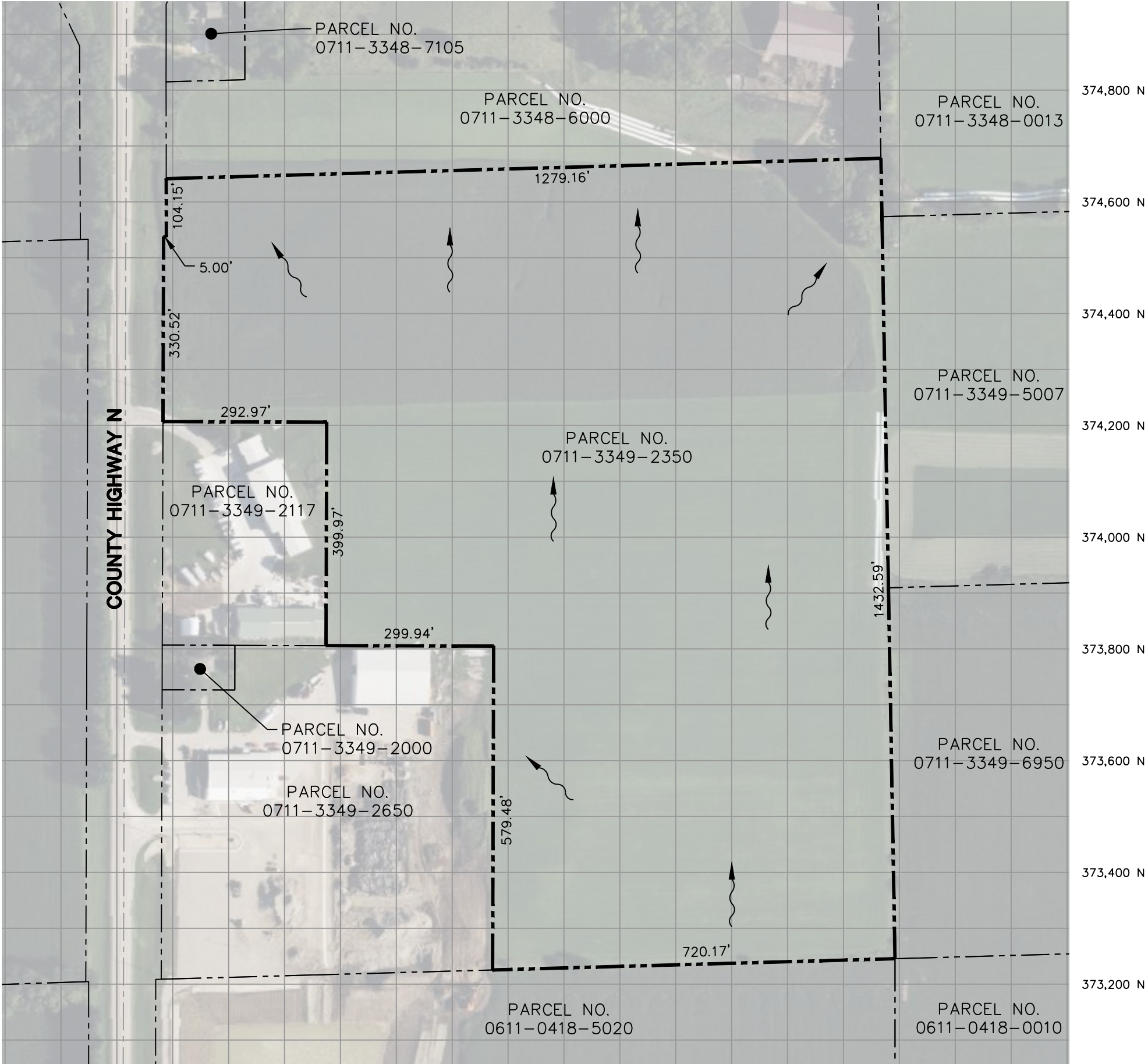
DRAFT



Attachment C. Plan Set

C:\Users\3529kep\SCS Engineers\Dane County Landfill No. 3 Site Permitting - General\HWY N Permitting\Figures\Drawings\Hwy N Borrow Site Permit Figures.dwg, 4/27/2026 8:30:26 AM

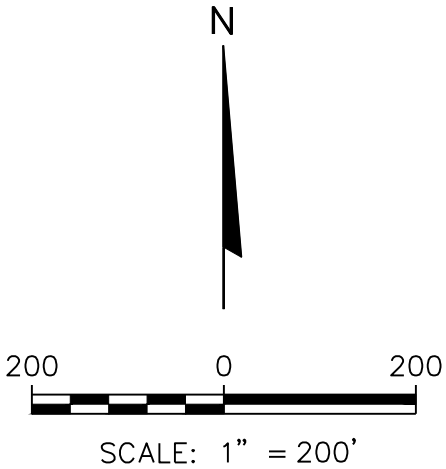
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LEGEND

- SUBJECT PROPERTY PARCEL LINE
- PROPERTY LINE
- HIGHWAY CENTERLINE
- SURFACE FLOW DIRECTION

- NOTES:
- EXISTING PROPERTY LINES FROM DANE COUNTY GIS, ACCESSED ON MARCH 27, 2026.
 - AERIAL BACKGROUND FROM AUTOCAD BING MAPS, ACCESSED ON MARCH 27, 2026.



CLIENT	DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES 1919 ALLIANT ENERGY CENTER WAY MADISON, WI 53713		SITE	SOIL BORROW SITE PERMITTING DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES MADISON, WISCONSIN		PROPERTY BOUNDARY COUNTY HIGHWAY N TOWN OF COTTAGE GROVE, WISCONSIN	
	PROJECT NO.		DRAWN BY:		SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830		
	DRAWN:		CHECKED BY:				
	REVISED:		APPROVED BY:				
		03/27/2026		RVG		ENGINEER	
		04/09/2026		RAR/BSS			
				BSS 04/27/2026		FIGURE	
						1	

C:\Users\j529\ep\SCS Engineers\Drawings\Drawings\Hwy N Borrow Site Permit Figures.dwg, 4/27/2026 8:27:36 AM



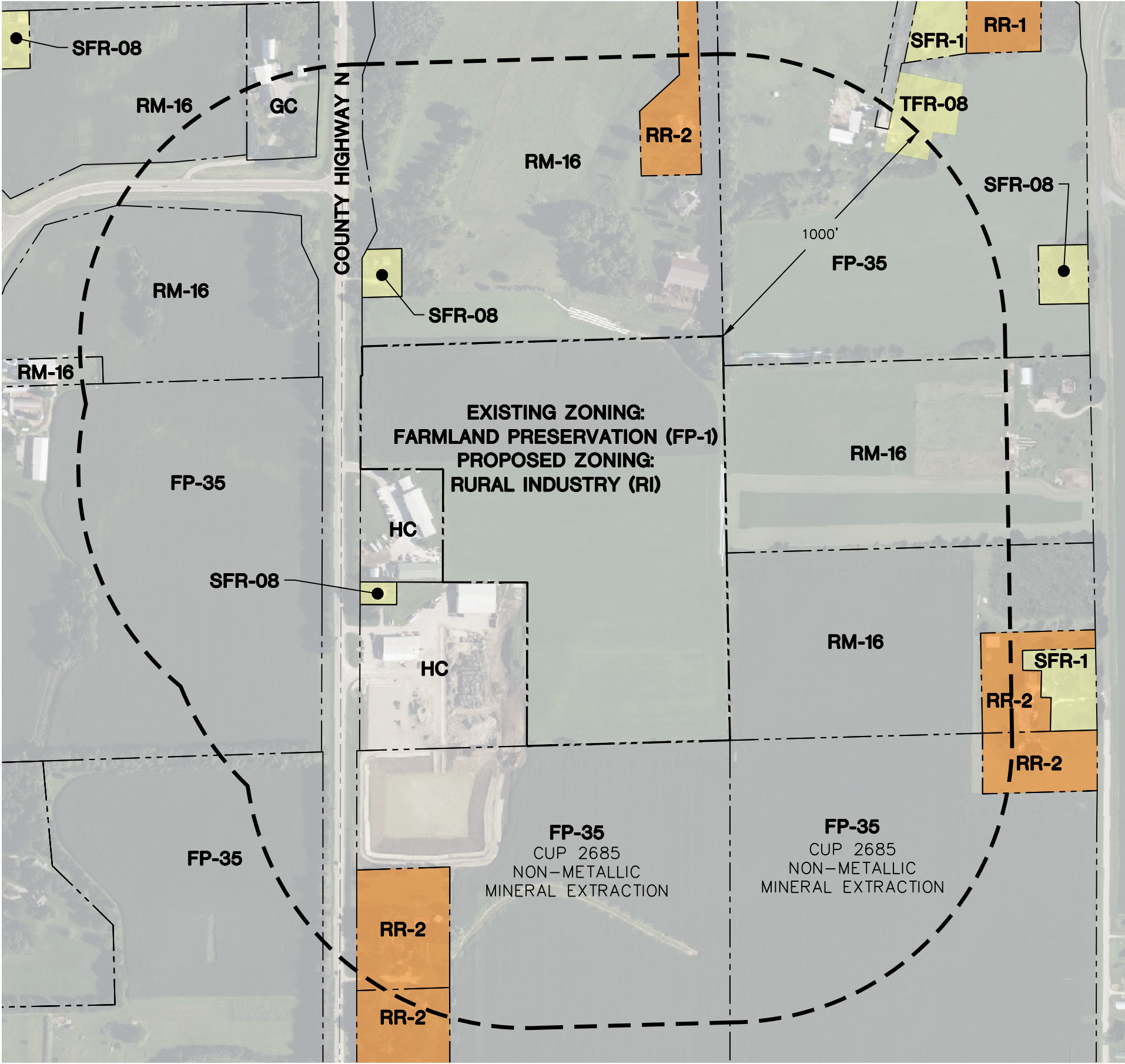
- LEGEND
- SUBJECT PROPERTY PARCEL LINE
 - PROPERTY LINE
 - HIGHWAY CENTERLINE
 - PROPOSED EXTRACTION AREA
 - PROPOSED SCREENING BUFFER
 - PROPOSED 3' PARKING, LOADING AND CIRCULATION OFFSET
 - PROPOSED 20' LIMITS OF EXTRACTION OFFSET
 - CLAY ISOPACH CONTOUR (1' INTERVAL)

ESTIMATED CLAY VOLUME (CY)
139,750

- NOTES:
- EXISTING PROPERTY LINES FROM DANE COUNTY GIS, ACCESSED ON MARCH 27, 2026.
 - AERIAL BACKGROUND FROM AUTOCAD BING MAPS, ACCESSED ON MARCH 27, 2026.
 - ARCHAEOLOGICAL AND HISTORIC SITES FOR THE PROPOSED EXTRACTION AREA WERE CLEARED BY ZACHARY STENCIL, DNR ARCHAEOLOGIST, ON SEPTEMBER 25, 2023.
 - THERE ARE NO KNOWN WELLS OR UTILITIES ON THE SUBJECT PROPERTY.
 - NO LIGHTING, SIGNS, OR REFUSE DUMPSTERS ARE PROPOSED.
 - STOCKPILES, STAGING AREAS, AND EQUIPMENT STORAGE TO BE LOCATED WITHIN THE EXTRACTION AREA.
 - MINIMUM 4 FEET HIGH SAFETY FENCE PROPOSED AROUND EXTRACTION AREA.
 - CLAY ISOPACH CONTOURS REPRESENT ESTIMATED DEPTH FROM EXISTING GRADE IN THE PROPOSED EXTRACTION AREA FOR AN ESTIMATED VOLUME OF 139,750 CUBIC YARDS.
 - PROPOSED SCREENING BUFFER TO BE FENCE INSTALLED ALONG PROPERTY LINE. OFFSET FROM PROPERTY LINE ON DRAWING FOR CLARITY.

CLIENT	DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES 1919 ALLIANT ENERGY CENTER WAY MADISON, WI 53713		SOIL BORROW SITE PERMITTING DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES MADISON, WISCONSIN		SITE PLAN COUNTY HIGHWAY N TOWN OF COTTAGE GROVE, WISCONSIN	
	PROJECT NO.	25222268.00	DRAWN BY:	RVG	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	
	DRAWN:	03/27/2026	CHECKED BY:	RAR/BSS		
	REVISED:	04/24/2026	APPROVED BY:	BSS 04/27/2026		
					ENGINEER	
					FIGURE	
					2	

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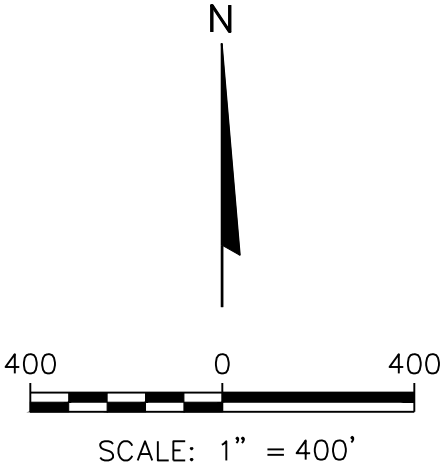


LEGEND

- SUBJECT PROPERTY PARCEL LINE
- PROPERTY LINE
- 1,000 FEET OFFSET FROM SUBJECT PROPERTY
- RESIDENTIAL ZONING
- RURAL RESIDENTIAL ZONING

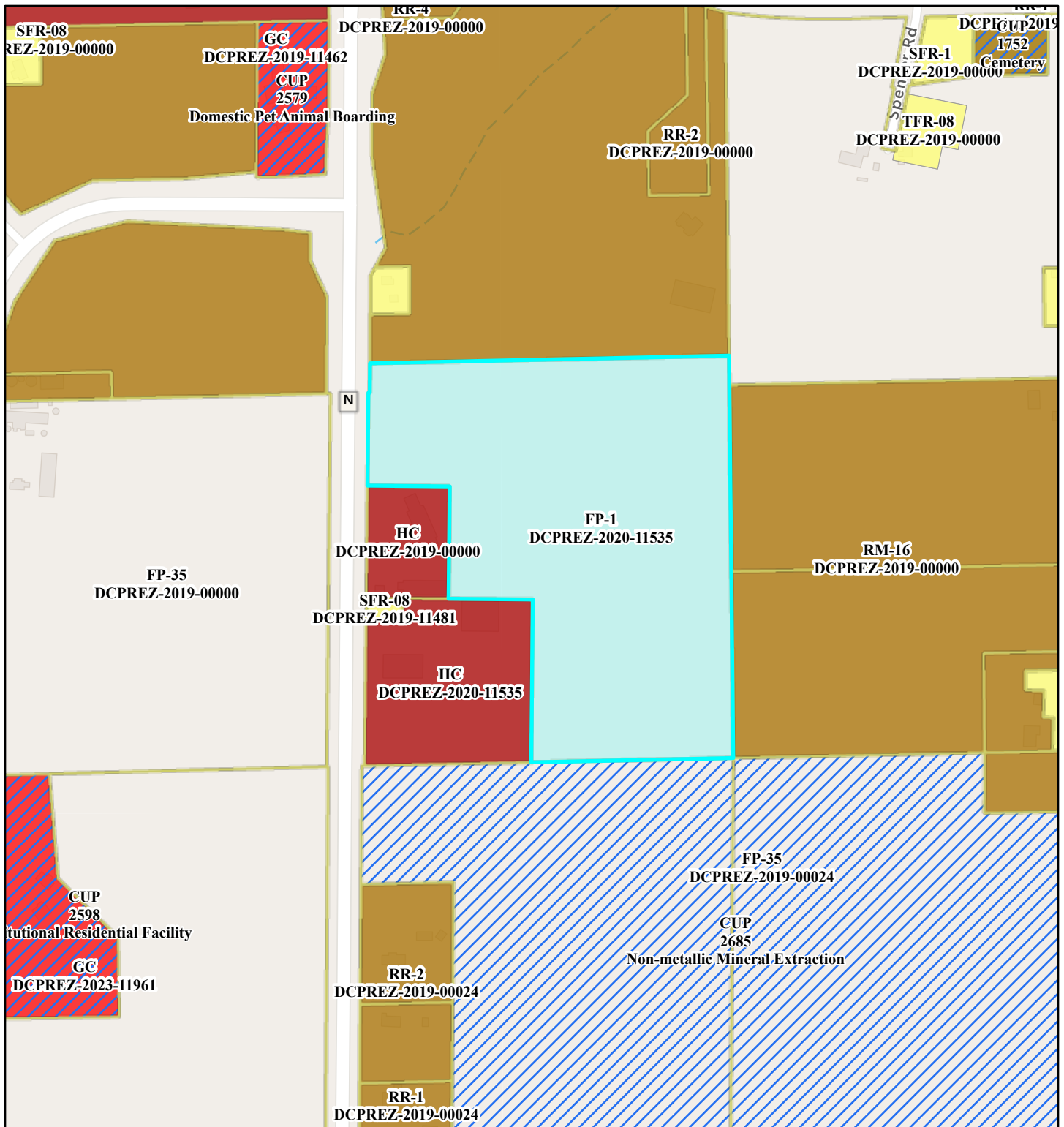
NOTES:

- EXISTING PROPERTY LINES AND ZONING INFORMATION FROM DANE COUNTY GIS, ACCESSED ON MARCH 27, 2026.
- AERIAL BACKGROUND FROM AUTOCAD BING MAPS, ACCESSED ON MARCH 27, 2026.



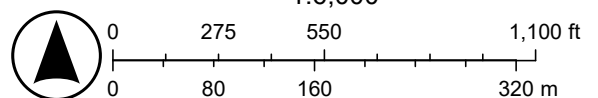
CLIENT	DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES 1919 ALLIANT ENERGY CENTER WAY MADISON, WI 53713	SITE	SOIL BORROW SITE PERMITTING DANE COUNTY DEPARTMENT OF WASTE + RENEWABLES MADISON, WISCONSIN		RESIDENCES WITHIN 1,000 FEET OF SUBJECT PROPERTY COUNTY HIGHWAY N TOWN OF COTTAGE GROVE, WISCONSIN	
PROJECT NO.		25222268.00		ENGINEER		
DRAWN:	03/27/2026	DRAWN BY:		RVG		
REVISED:	04/09/2026	CHECKED BY:		RAR/BSS		
		APPROVED BY:		BSS 04/27/2026		
				SCS ENGINEERS		
				2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830		
				FIGURE		
				3		

FIGURE 4 - ADDITIONAL ZONING INFORMATION



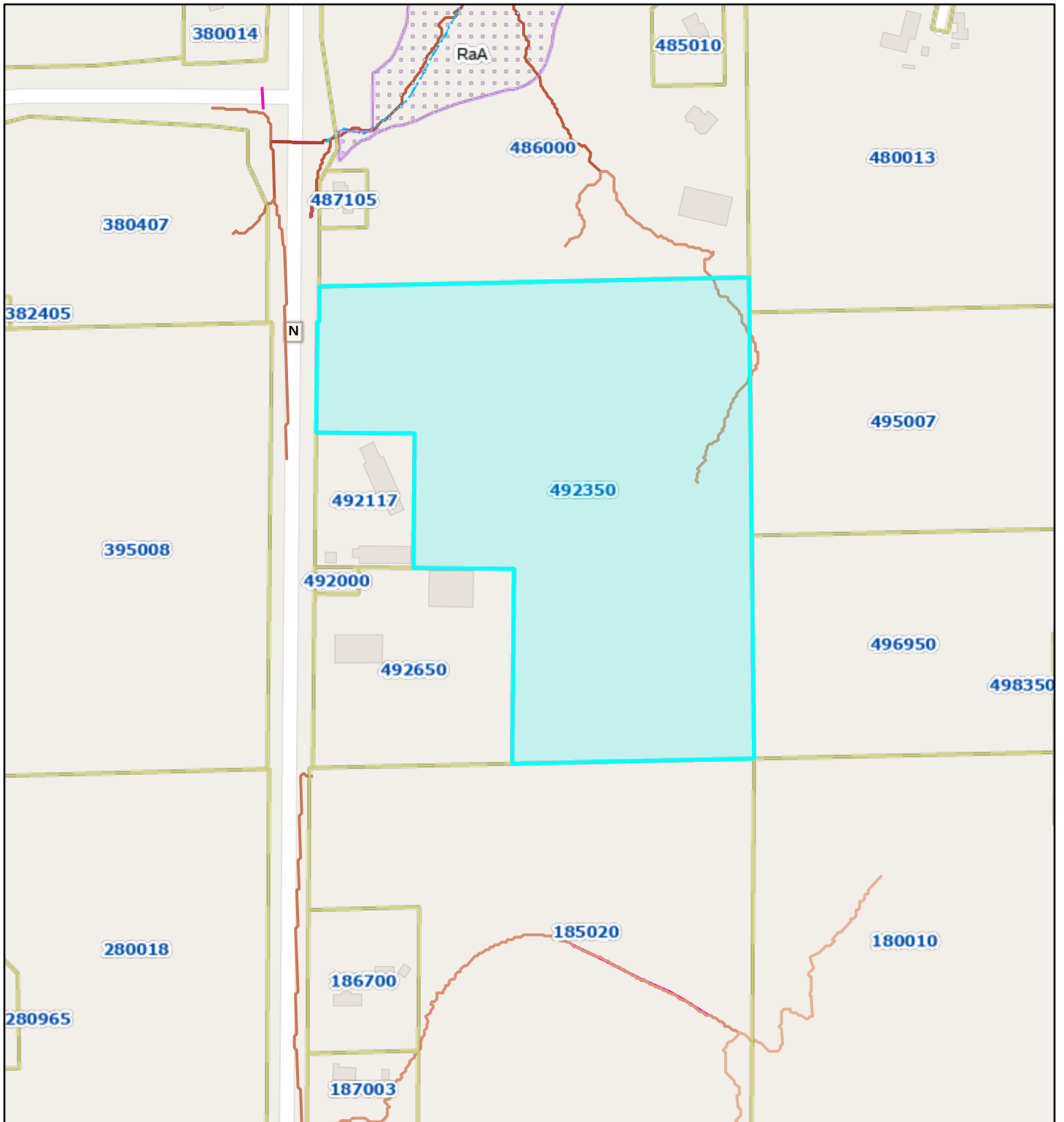
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- | | |
|---------------------------------|---------------------------------------|
| Parcels | Commercial |
| Conditional Use Permits (Rural) | Heavy Commercial |
| Rural Zoning | Residential |
| Farmland Preservation | Rural Residential and Rural Mixed Use |

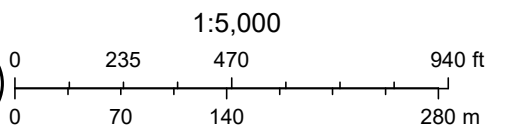
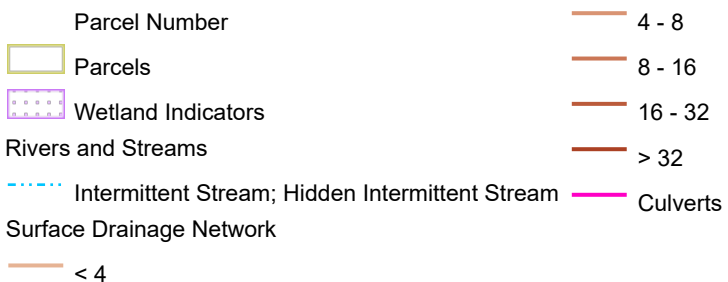


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

FIGURE 5 - DRAINAGE PATTERNS



3/25/2026, 8:48:59 AM



Surface Water Data Viewer Team, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Calvin Lawrence, Dennis Weise, Nina Rihn



FIGURE 6 - Floodplain Boundaries



Legend: (some map layers may not be displayed)

- FIRM Panels
- Flood Hazard Boundaries
 - SFHA / Flood Zone Boundary
- Flood Hazard Zones
 - 1% Annual Chance Flood Hazard
- Rivers and Streams
- Intermittent Streams
- Rivers and Streams
- Intermittent Streams
- 24K Intermittent Streams
- Latest Leaf Off Index
- Latest Leaf Off Imagery

Notes:

Service Layer Credits:
Digital FEMA Floodplains (National Flood Hazard Layer)*: , DNR Basic Feature VTL (WTM): Wisconsin Department of Natural Resources, GIS Section, Latest Leaf Off: , Surface Water: WiDNR, USGS, and other data, Paper FIRMS: Federal Emergency Management Agency, Wisconsin Department of Natural Resources



Map: 0 900 1,800 Feet
0 270 540 Meters

This map is a product generated by a DNR web mapping application.

This map is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The user is solely responsible for verifying the accuracy of information before using for any purpose. By using this product for any purpose user agrees to be bound by all disclaimers found here: <https://dnr.wisconsin.gov/legal>

Date Printed: 3/25/2026 8:35 AM



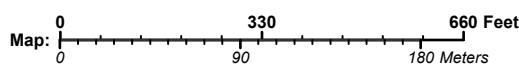
Legend: (some map layers may not be displayed)

-  Wetland Indicators
-  Rivers and Streams
-  Intermittent Streams
-  Rivers and Streams
-  Intermittent Streams
-  24K Intermittent Streams
-  24K Streams and Rivers
-  Latest Leaf Off Index
-  Latest Leaf Off Imagery

Notes:

Service Layer Credits:
Wetland Indicators & Soils[^]: Surface Water Data Viewer Team, DNR Basic Feature VTL (WTM): Wisconsin Department of Natural Resources, GIS Section, Latest Leaf Off: , Surface Water: WiDNR, USGS, and other data, Wetland Inventory NWI (Dynamic): Calvin Lawrence, Dennis Weise, Nina Rihn



Map: 

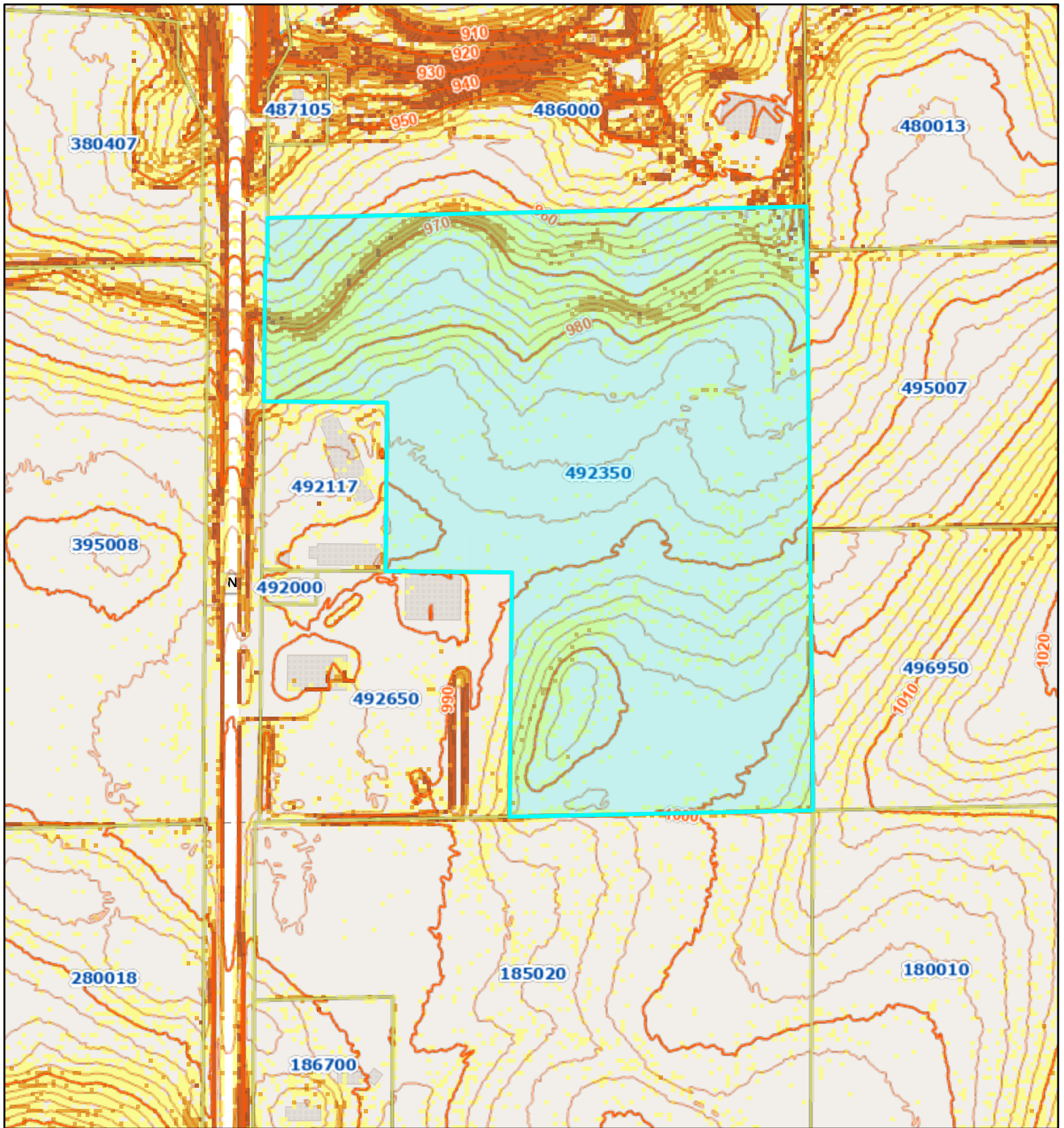
Map projection: NAD 1983 HARN Wisconsin TM

This map is a product generated by a DNR web mapping application.

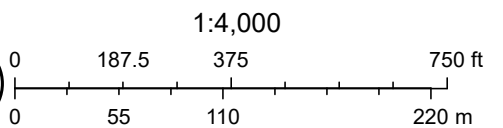
This map is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The user is solely responsible for verifying the accuracy of information before using for any purpose. By using this product for any purpose user agrees to be bound by all disclaimers found here: <https://dnr.wisconsin.gov/legal>.

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FIGURE 8 - STEEP SLOPES

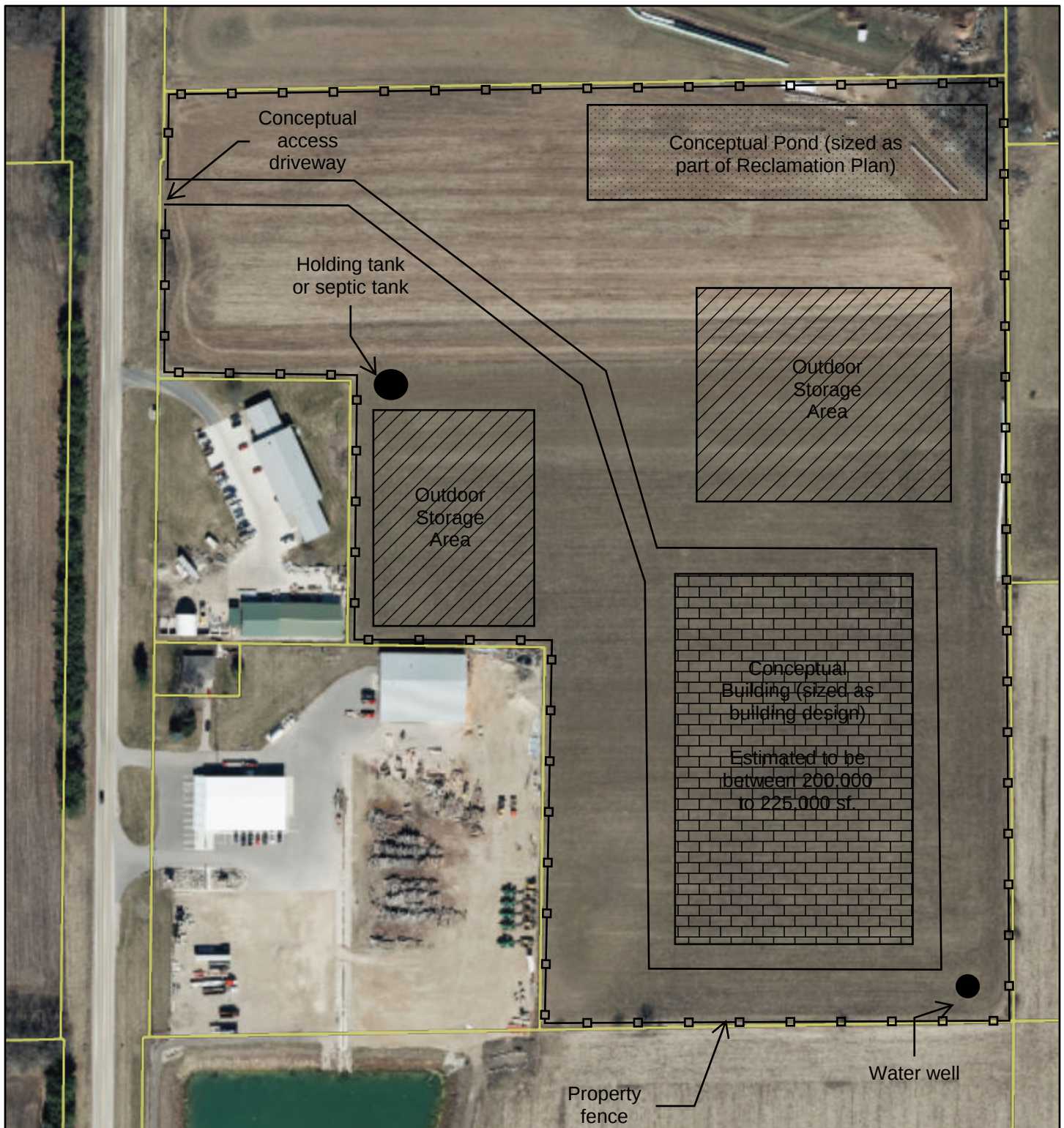


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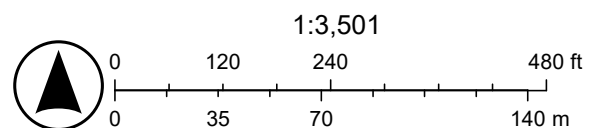
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Figure 9 - Conceptual Site Plan



4/7/2026, 2:54:11 PM

 Parcels



Attachment D. Boring and Abandonment Logs

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-101	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 959.9 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat _____ ' _____ "		Feet ☐ N Feet ☐ E	
		Long _____ ' _____ "		Feet ☐ S Feet ☐ W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 7" of topsoil
			2	LEAN CLAY (CL), brown (10YR, 4/3), stiff to soft. (Loess)	CL				1.5	M				Collected proctor sample from 7" to 3.5'
	36		3	At 7" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-3-57-40 LL = 47, PI = 27										
			4	At 2' to 3.5', LEAN CLAY (CL) % g-s-si-cl = 0-12-58-30 LL = 43, PI = 20	SM				0.5	M				
	1			SILTY SAND (SM), very dark brown (10YR, 2/2), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member) End of borehole at 4.5' bgs in Till. Abandoned with bentonite chips.										Refusal at 4.5' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
---	---

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-102	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 972.4 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Lat --- ° --- ' --- " Long --- ° --- ' --- "		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
24			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 7" of topsoil
				FAT CLAY (CH), brown (10YR, 4/3), soft to medium firm, with black mottling. (Loess)	CH				0.5	M				
			2	At 7" to 2', FAT CLAY (CH) % g-s-si-cl = 3-43-30-24 LL = 51, PI = 29					1.5					
			3	SILTY GRAVEL (GM), light tan, fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)	GM					M				
			4	At 2' to 4', SILTY GRAVEL (GM) % g-s-si-cl = 63-10-19-7 End of borehole at 4' bgs in Weathered Dolomite Bedrock. Abandoned with bentonite chips.										Refusal at 4' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature
Jackie Rennebohm Jackie Rennebohm, PG

Firm SCS Engineers
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-103	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name		Final Static Water Level --	Surface Elevation 963.8 Feet MSL
Borehole Diameter 2.3"					
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat --- ° --- ' --- "		Feet ☐ N ☐ E ☐ S ☐ W	
Long --- ° --- ' --- "					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	27		1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 9" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), soft to medium stiff, with some black mottling. (Loess)					0.5	M				
			3	At 9" to 2.5', LEAN CLAY (CL) % g-s-si-cl = 0-11-56-33 LL = 46, PI = 25	CL				1.0	M				
	8		4	At 2.5 to 3.7', FAT CLAY (CH) % g-s-si-cl = 0-3-59-38 LL = 51, PI = 30										
				SILTY SAND (SM), reddish brown (5YR 4/3), fine sand with subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM									
				SILTY GRAVEL (GM), light tan, with fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)	GM									Refusal at 4'10" due to bedrock
				End of borehole at 4'10" bgs in Weathered Dolomite Bedrock. Abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature
Jackie Rennebohm Jackie Rennebohm, PG

Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-104	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level 957.3 Feet MSL	Surface Elevation 963.3 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Lat _____ ' _____ " _____ ' _____ " _____ ' _____ "		
			Feet ☐ N _____ Feet ☐ E _____ ☐ S _____ ☐ W _____		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
37			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 8" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), soft, with black mottling. (Loess)					1.5	M				
			3	At 8" to 2.5', LEAN CLAY (CL) % g-s-si-cl = 0-3-63-35 LL = 48, PI = 27	CL				1.5	M				
			4	At 2.5' to 3.5', LEAN CLAY (CL) % g-s-si-cl = 0-5-62-34 LL = 40, PI = 20										
18.5			5	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM					W				Depth to water at ~6'
			6											
			7	End of borehole at 7' bgs in Till. Abandoned with bentonite chips.										Refusal at 7' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
---	--

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-105	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 976.7 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat --- ° --- ' --- "		Long --- ° --- ' --- "	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
27			1	ORGANIC SILT (OL), brown. (Topsoil)	OL				1.5	M				Approximately 6" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), soft to stiff. (Loess)	CL									
29.5			3	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM									
			4											
25			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											
				End of borehole at 12'10" in Till. Abandoned with bentonite chips.										Refusal at 12'10" due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-106	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 979.1 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat ° ' "		Feet ☐ N ☐ E ☐ S ☐ W	
Long ° ' "					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200				
28			1	ORGANIC SILT (OL), brown. (Topsoil)	OL										Approximately 8" of topsoil		
				LEAN CLAY (CL), brown (10YR 4/3), soft, with black mottling at depth. (Loess)	CL											1.0	M
			2	At 8" to 1.5', LEAN CLAY (CL) % g-s-si-cl = 2-32-36-31 LL = 49, PI = 29	SM											1.0	M
			3	At 1.5' to 2.5', LEAN CLAY (CL) % g-s-si-cl = 0-7-53-40 LL = 49, PI = 28	GM												
				SILTY SAND (SM), reddish brown (5YR 4/3), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formaton, Horicon Member)													
				SILTY GRAVEL (GM), light tan, fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)										Refusal at 3.5' due to bedrock			
				End of borehole at 3.5' bgs in Weathered Dolomite Bedrock. Abandoned with bentonite chips.													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature
Jackie Rennebohm Jackie Rennebohm, PG

Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number GT-107	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.			Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 984.8 Feet MSL		Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Lat --- ° --- ' --- "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Long --- ° --- ' --- "			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
32			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 5" of topsoil
				FAT CLAY (CH), brown (10 YR 4/3), medium stiff to soft, with black mottling. (Loess)	CH				1.0	M				
			2	At 9" to 1.7', FAT CLAY (CH) % g-s-si-cl = 0-15-46-39 LL = 56, PI = 35	SM									Refusal at 2'8" due to bedrock
				SILTY SAND (SM), orange brown (7.5YR 4/3), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	GM									
				At 1.7' to 2', SILTY SAND (SM) % g-s-si-cl = 11-53-18-19										
				SILTY GRAVEL (GM), light yellow, fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)										
				End of borehole at 2'8" bgs in Weathered Dolomite Bedrock. Abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-108	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 982.8 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat --- ° --- ' --- "		Feet ☐ N ☐ E ☐ S ☐ W	
Long --- ° --- ' --- "					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	29.5		1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 8.5" of topsoil
			2	LEAN CLAY (CL), brown (10 YR 4/3), medium to soft, with black mottling. (Loess)	CL				1.75	M			Collected proctor sample from 0.5' to 3.5'	
	3		At 8.5" to 2', LEAN CLAY/FAT CLAY (CL/CH) %g-s-si-cl = 0-7-54-39 LL = 52, PI = 32											
	4		At 2' to 3.5', LEAN CLAY (CL) %g-s-si-cl = 0-13-50-36 LL = 36, PI = 21											
	5		SILTY SAND (SM), reddish brown (5YR 4/3), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM				M+					Refusal at 5.5' due to bedrock	
				End of borehole at 5.5' bgs. Abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-109	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 984.5 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat ° ' "		Feet ☐ N ☐ E ☐ S ☐ W	
Long ° ' "					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 7" of topsoil
	35		2	LEAN CLAY (CL), brown (10YR 4/3), medium to firm, with black mottling. (Loess)	CL				1.25	M				
			3	At 7" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-3-57-40 LL = 48, PI = 29					1.25					
	8.5		4	At 2' to 3.5', LEAN CLAY (CL) % g-s-si-cl = 0-2-59-39 LL = 47, PI = 26	SM					M				
			5	SILTY SAND (SM), reddish brown (5YR 4/3), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member) End of borehole at 5' bgs in Till. Abandoned with bentonite chips.										Refusal at 5' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-110	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name		Final Static Water Level --	Surface Elevation 988.0 Feet MSL
Borehole Diameter 2.3"					
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat --- ° --- ' --- "		Feet ☐ N ☐ E ☐ S ☐ W	
Long --- ° --- ' --- "					
Facility ID		County Dane		County Code 13	Civil Town/City/ or Village Town of Cottage Grove

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
41			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 9" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff to soft, with black mottling at depth. (Loess)	CL				2.0	M				
16			3	At 9" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-1-64-35 LL = 47, PI = 25	CL				0.5					
			4	At 2' to 4', LEAN CLAY (CL) % g-s-si-cl = 0-4-62-34 LL = 43, PI = 22	CL									
			5	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM					M+				
				End of borehole at 5.5' bgs in Till. Abandoned with bentonite chips.										Refusal at 5.5' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-111	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name		Final Static Water Level 983.6 Feet MSL	Surface Elevation 986.6 Feet MSL
				Borehole Diameter 2.3"	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Lat _____ ' _____ "		Feet ☐ N ☐ E ☐ S ☐ W	
Long _____ ' _____ "					
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
30			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 8" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff, with black mottling. (Loess)	CL				2.0	M				Depth to water at ~3'
			3	At 9" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-4-55-40 LL = 47, PI = 25					1.5					
				At 2' to 3', LEAN CLAY (CL) % g-s-si-cl = 1-35-40-23 LL = 41, PI = 19	SM					W				
				SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse gravel. (Till) (Holy Hill Formation, Horicon Member)										Refusal at 3.5' due to bedrock
				End of borehole at 3.5' bgs in Till. Abandoned with bentonite chips.										Drilled second boring (GT-111X) to confirm shallow refusal.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-112	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name		Final Static Water Level 981.6 Feet MSL	Surface Elevation 988.1 Feet MSL
				Borehole Diameter 2.3"	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		State Plane N, E S/C/N		Lat ° ' "	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	31		1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 9" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), medium firm, with black mottling. (Loess)	CL									
	22		3	At 9" to 2", LEAN CLAY/FAT CLAY (CL/CH) % g-s-si-cl = 0-2-56-42 LL = 50, PI = 28	SM					0.5	M			
			4	At 2' to 3', LEAN CLAY (CL) % g-s-si-cl = 3-13-49-35 LL = 42, PI = 23										
			5	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)										
			6											
			7	End of borehole at 7' bgs in Till. Abandoned with bentonite chips.										
														Depth to water at ~6.5'
														Refusal at 7' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Jackie Rennebohm* Jackie Rennebohm, PG Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-113	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 986.5 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Feet ☐ N Feet ☐ E ☐ S ☐ W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 13" of topsoil
	30		2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff to soft, with black mottling. (Loess)					2.5	M				Collected proctor sample from 1' to 5.5'
			3	At 13" to 3', LEAN CLAY (CL) % g-s-si-cl = 0-5-60-36 LL = 40, PI = 19										
			4	At 3' to 5', LEAN CLAY (CL) % g-s-si-cl = 0-20-50-30 LL = 42, PI = 23	CL				1.0	M				
	15		5											
				End of borehole at 5'10" bgs in Loess. Abandoned with bentonite chips.										Refusal at 5'10" due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00			License/Permit/Monitoring Number		Boring Number GT-114	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.			Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level 984.7 Feet MSL	Surface Elevation 990.7 Feet MSL	Borehole Diameter 2.3"	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E						
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
37			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 9" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), soft, with slight black mottling at depth. (Loess)					2.0	M				Collected proctor sample from 1' to 5'
24			3	At 9" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-4-68-28 LL = 42, PI = 19	CL				1.5	M				
			4	At 4' to 5', LEAN CLAY (CL) % g-s-si-cl = 2-26-54-19 LL = 31, PI = 15										
			5	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM					W				Depth to water at ~6'
			6	End of borehole at 6.5' bgs in Till. Abandoned with bentonite chips.										Refusal at 6.5' due to bedrock. Drilled second boring (GT-114X) to confirm shallow refusal.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-115	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name		Final Static Water Level --	Surface Elevation 994.7 Feet MSL
Borehole Diameter 2.3"					
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒		Local Grid Location			
State Plane N, E S/C/N		Lat ° ' "			
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E		Long ° ' "			
Feet ☐ N Feet ☐ E		Feet ☐ S Feet ☐ W			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 10" of topsoil
	35		2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff, with black mottling. (Loess)	CL				1.5	M				
			3	At 10" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-4-69-28 LL = 42, PI = 22					0.75	M				
	4		4	At 2' to 3', LEAN CLAY (CL) % g-s-si-cl = 0-12-63-25 LL = 37, PI = 20	SM									
				SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member) End of borehole at 4'4" bgs in Till. Abandoned with bentonite chips.										Refusal at 4.5' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-116	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 995.1 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N Lat ° ' " SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E Long ° ' "			Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 8" of topsoil
	26.5		2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff. (Loess)	CL				1.75	M				
			3	At 8" to 2', LEAN CLAY (CL) % g-s-si-cl = 0-18-59-23 LL = 38, PI = 19										
			4	At 2' to 3.8', LEAN CLAY (CL) % g-s-si-cl = 0-4-68-29 LL = 43, PI = 19	SM				1.25	M				
				SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)										Refusal at 4'10" due to bedrock
				End of borehole at 4'10" bgs in Till. \										
				Abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature
Jackie Rennebohm Jackie Rennebohm, PG

Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-117	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 997.1 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Feet ☐ N Feet ☐ E ☐ S ☐ W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 10" of topsoil
	20.5		2	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)						M				
			3											
			4											
			5											
	25		6		SM					M				
			7											
			8											
	12.5		9							M				
			10											
			11	End of borehole at 11' bgs in Till. Abandoned with bentonite chips.										Refusal at 11' due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature
Jackie Rennebohm Jackie Rennebohm, PG

Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-118	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level 993.7 Feet MSL	Surface Elevation 999.7 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Lat _____ ' _____ " _____" Long _____ ' _____ " _____"		
Feet ☐ N ☐ S		Feet ☐ E ☐ W			
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
36			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 12" of topsoil
			2	LEAN CLAY (CL), brown (10YR 4/3), stiff to soft, with black mottling. (Loess)					1.75	M				Collected proctor sample from 1' to 6'
			3	At 1' to 4', LEAN CLAY (CL) % g-s-si-cl = 0-1-66-33 LL = 40, PI = 19	CL				1.25	M				
			4	At 4' to 6.5', LEAN CLAY (CL) % g-s-si-cl = 0-9-66-25 LL = 34, PI = 14					1.0					
31			5											
			6	SILTY SAND (SM), reddish brown (5YR 4/4), fine grained with fine to coarse subrounded gravel. (Till) (Holy Hill Formation, Horicon Member)	SM					W				Depth to water at ~6'
			7	End of borehole at 7'2" in Till. Abandoned with bentonite chips.										Refusal at 72" due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Jackie Rennebohm</i> Jackie Rennebohm, PG	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name Dane County Landfill #3 (Proposed) SCS#: 25222268.00		License/Permit/Monitoring Number		Boring Number GT-119	
Boring Drilled By: Name of crew chief (first, last) and Firm Scott Klumb Soils and Engineering Services, Inc.		Date Drilling Started 4/24/2023		Date Drilling Completed 4/24/2023	
Drilling Method Direct Push					
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level --	Surface Elevation 999.3 Feet MSL	Borehole Diameter 2.3"
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			Local Grid Location		
SW 1/4 of SE 1/4 of Section 33, T 7 N, R 11 E			Feet ☐ N Feet ☐ E ☐ S ☐ W		
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Town of Cottage Grove	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	ORGANIC SILT (OL), brown. (Topsoil)	OL									Approximately 8" of topsoil
	30		2	LEAN CLAY (CL), brown (10YR 4/3), medium stiff to soft, with black mottling. (Loess)					1.0	M				
			3	At 8" to 2.4', LEAN CLAY (CL) % g-s-si-cl = 0-2-60-39 LL = 44, PI = 21	CL									
	10		4	At 2.4' to 4.9', LEAN CLAY (CL) % g-s-si-cl = 1-32-44-24 LL = 29, PI = 15					0.5	M				
				End of borehole at 4'10" bgs in Loess. Abandoned with bentonite chips.										Refusal at 4'10" due to bedrock

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Jackie Rennebohm* Jackie Rennebohm, PG Firm **SCS Engineers**
2830 Dairy Drive, Madison, WI 53718

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-101 Proctor
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

3.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

6.0

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)

Surface

To (ft.)

3.5

No. Yards, Sacks Sealant or
Volume (circle one)

0.42 bags

Mix Ratio or
Mud Weight

dry mix

6. Comments

Proctor sample from boring GT-101

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) 04/24/2023**DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennabohn

Date Signed

04/24/2023

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-101
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	4.5	0.14 bags	dry mix

6. Comments

Geoprobe boring GT-101

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennsbohm	04/24/2023

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-102
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

4.0

NA

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	4.0	0.13 bags	dry mix

6. Comments

Geoprobe boring GT-102

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

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☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-103
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4'10"

Casing Diameter (in.)

2.3

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

2. Facility / Owner Information

Facility Name
Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner
Dane County
Present Well Owner
Dane County
Mailing Address of Present Owner
210 Martin Luther King Jr BLVD, Room 114
City of Present Owner
Madison
State
WI
ZIP Code
53703

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☒ No ☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry**5. Material Used to Fill Well / Drillhole**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	4'10"	0.16 bags	dry mix

6. Comments

Geoprobe boring GT-103

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennabohn	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-104
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

7.0'

Lower Drillhole Diameter (in.)

2.3

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	7.0	0.22 bags	dry mix

6. Comments

Geoprobe boring GT-104

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
Soils & Engineering Services, Inc.		04/24/2023	Date Received	Noted By
Street or Route	Telephone Number		Comments	
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Kennsbohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-105
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

12'10"

Casing Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12'10"	0.42 bags	dry mix

6. Comments

Geoprobe boring GT-105

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

2. Facility / Owner Information

Facility Name		
Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow		
Facility ID (FID or PWS)		
License/Permit/Monitoring #		
Original Well Owner		
Dane County		
Present Well Owner		
Dane County		
Mailing Address of Present Owner		
210 Martin Luther King Jr BLVD, Room 114		
City of Present Owner	State	ZIP Code
Madison	WI	53703

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☒ No ☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-106
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E
		☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

3.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	3.5	0.11 bags	dry mix

6. Comments

Geoprobe boring GT-106

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

2. Facility / Owner Information

Facility Name		
Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow		
Facility ID (FID or PWS)		
License/Permit/Monitoring #		
Original Well Owner		
Dane County		
Present Well Owner		
Dane County		
Mailing Address of Present Owner		
210 Martin Luther King Jr BLVD, Room 114		
City of Present Owner	State	ZIP Code
Madison	WI	53703

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☒ No ☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-107
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

2'8"

Casing Diameter (in.)

2.3

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

NA NA

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	2'8"	0.09 bags	dry mix

6. Comments

Geoprobe boring GT-107

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
Soils & Engineering Services, Inc.		04/24/2023	Date Received	Noted By
Street or Route	Telephone Number		Comments	
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennabohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-108 Proctor
-----------------------	--	----------------------------------

Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
---	--	--

1/4 / 1/4 SW or Gov't Lot #	1/4 SE	Section 33	Township 07 N	Range 11	☒ E ☐ W
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Well Street Address Unaddressed Lot, County Highway N

Well City, Village or Town Town of Cottage Grove	Well ZIP Code 53527
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Subdivision Name	Lot #
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Reason for Removal from Service Temporary Borehole	WI Unique Well # of Replacement Well _____
--	---

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.) 3.5	Casing Diameter (in.) NA
--	------------------------------------

Lower Drillhole Diameter (in.) 6.0	Casing Depth (ft.) NA
--	---------------------------------

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA	Depth to Water (feet) NA
--	------------------------------------

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	3.5	0.34 bags	dry mix

6. Comments

Proctor sample from boring GT-108

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/24/2023	Date Received	Noted By
Street or Route 1102 Stewart Street	Telephone Number (608) 274-7600		Comments	
City Madison	State WI	ZIP Code 53713	Signature of Person Doing Work <i>Jackie Rennabohn</i>	Date Signed 04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-108
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

5.5

NA

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	5.5	0.18 bags	dry mix

6. Comments

Geoprobe boring GT-108

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-109
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	1/4 SE	Section
or Gov't Lot #		33
	Township	07 N
	Range	11
	☒ E	☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	5	0.16 bags	dry mix

6. Comments

Geoprobe boring GT-109

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennsbohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-110
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E
		☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

5.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	5.5	0.18 bags	dry mix

6. Comments

Geoprobe boring GT-110

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

2. Facility / Owner Information

Facility Name		
Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow		
Facility ID (FID or PWS)		
License/Permit/Monitoring #		
Original Well Owner		
Dane County		
Present Well Owner		
Dane County		
Mailing Address of Present Owner		
210 Martin Luther King Jr BLVD, Room 114		
City of Present Owner	State	ZIP Code
Madison	WI	53703

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☒ No ☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-111
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023If a Well Construction Report is available,
please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

3.5**NA**

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3**NA**

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~3**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	3.5	0.11 bags	dry mix

6. Comments

Geoprobe boring GT-111

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/24/2023	DNR Use Only	
Street or Route 1102 Stewart Street	Telephone Number (608)274-7600	Comments	Date Received	Noted By
City Madison	State WI	ZIP Code 53713	Signature of Person Doing Work <i>Jackie Rennebohm</i>	Date Signed 04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-111x
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023If a Well Construction Report is available,
please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

3.5**NA**

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3**NA**

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~3**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or
Volume (circle one)Mix Ratio or
Mud Weight**Surface****3.5****0.11 bags****dry mix****6. Comments**

Geoprobe boring GT-111x (boring adjacent to GT-111 to confirm shallow refusal)

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **04/24/2023****DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-112
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 04/24/2023 If a Well Construction Report is available, please attach.
---	---

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): **Direct Push**

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

7.0

Casing Diameter (in.)

2.3

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6.5

2. Facility / Owner Information

Facility Name Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow		
Facility ID (FID or PWS) _____		
License/Permit/Monitoring # _____		
Original Well Owner Dane County		
Present Well Owner Dane County		
Mailing Address of Present Owner 210 Martin Luther King Jr BLVD, Room 114		
City of Present Owner Madison	State WI	ZIP Code 53703

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☒ No ☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry**5. Material Used to Fill Well / Drillhole**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	7.0	0.22 bags	dry mix

6. Comments

Geoprobe boring GT-112

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/24/2023	Date Received _____	Noted By _____
Street or Route 1102 Stewart Street	Telephone Number (608)274-7600	Comments _____		
City Madison	State WI	ZIP Code 53713	Signature of Person Doing Work <i>Jackie Rennebohm</i>	Date Signed 04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-113 Proctor
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Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
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1/4 / 1/4 SW or Gov't Lot #	1/4 SE	Section 33	Township 07 N	Range 11	☒ E ☐ W
--------------------------------	--------	----------------------	-------------------------	--------------------	---

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service Temporary Borehole	WI Unique Well # of Replacement Well _____
--	---

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

5'10"

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

6.0

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	5'10"	0.59 bags	dry mix

6. Comments

Proctor sample from boring GT-113

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **04/24/2023****DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennsbohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-113
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

5'10"

Casing Diameter (in.)

2.3

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Mix Ratio or Mud Weight

Surface 5'10" 0.19 bags dry mix

6. Comments

Geoprobe boring GT-113

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing

Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification

(mm/dd/yyyy) 04/24/2023

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A

Was casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☐ Yes ☒ No ☐ N/AIf yes, was hole retopped? ☐ Yes ☒ No ☐ N/AIf bentonite chips were used, were they hydrated with water from a known safe source? ☒ Yes ☐ No ☐ N/A**Required Method of Placing Sealing Material**☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____**Sealing Materials**☐ Neat Cement Grout ☐ Concrete☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips**For Monitoring Wells and Monitoring Well Boreholes Only:**☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-114 Proctor
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Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
---	--	--

1/4 1/4 SW or Gov't Lot #	1/4 SE	Section 33	Township 07 N	Range 11	☒ E ☐ W
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Well Street Address
Unaddressed Lot, County Highway NWell City, Village or Town
Town of Cottage GroveSubdivision Name
_____Well ZIP Code
53527Lot #
_____Reason for Removal from Service
Temporary BoreholeWI Unique Well # of Replacement Well
_____**3. Filled & Sealed Well / Drillhole / Borehole Information**

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 04/24/2023 If a Well Construction Report is available, please attach.
---	---

Construction Type:

☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

5.0

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

6.0

Casing Depth (ft.)

NAWas well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)

Surface

To (ft.)

5.0No. Yards, Sacks Sealant or
Volume (circle one)**0.48 bags**Mix Ratio or
Mud Weight**dry mix****6. Comments****Proctor sample from boring GT-114****7. Supervision of Work**Name of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **04/24/2023**

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennsbohm

Date Signed

04/24/2023**2. Facility / Owner Information**

Facility Name

Dane County Landfill No. 3 (Proposed), CTH N Clay Borrow

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Dane County

Present Well Owner

Dane County

Mailing Address of Present Owner

210 Martin Luther King Jr BLVD, Room 114

City of Present Owner

Madison

State

WI

ZIP Code

53703**4. Pump, Liner, Screen, Casing & Sealing Material**Pump and piping removed? ☐ Yes ☐ No ☒ N/ALiner(s) removed? ☐ Yes ☐ No ☒ N/ALiner(s) perforated? ☐ Yes ☐ No ☒ N/AScreen removed? ☐ Yes ☐ No ☒ N/ACasing left in place? ☐ Yes ☐ No ☒ N/AWas casing cut off below surface? ☐ Yes ☐ No ☒ N/ADid sealing material rise to surface? ☒ Yes ☐ No ☐ N/ADid material settle after 24 hours? ☐ Yes ☒ No ☐ N/AIf yes, was hole retopped? ☐ Yes ☒ No ☐ N/AIf bentonite chips were used, were they hydrated
with water from a known safe source? ☒ Yes ☐ No ☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Concrete☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout☐ Granular Bentonite ☐ Bentonite - Sand Slurry

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-114
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

6.5**NA**

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3**NA**

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or Volume (circle one)

Mix Ratio or Mud Weight

Surface**6.5****0.21 bags****dry mix****6. Comments**

Geoprobe boring GT-114

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **04/24/2023****DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-114x
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E
		☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

6.5

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	6.5	0.21 bags	dry mix

6. Comments

Geoprobe boring GT-114x (boring adjacent to GT-114 to confirm shallow refusal)

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
Soils & Engineering Services, Inc.		04/24/2023	Date Received	Noted By
Street or Route	Telephone Number		Comments	
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-115
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11
		☒ E
		☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy)
☐ Water Well	04/24/2023
☒ Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
☐ Drilled	☐ Driven (Sandpoint)
☒ Other (specify): Direct Push	☐ Dug

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4'4"

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	4'4"	0.13 bags	dry mix

6. Comments

Geoprobe boring GT-115

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only	
Soils & Engineering Services, Inc.		04/24/2023	Date Received	Noted By
Street or Route	Telephone Number		Comments	
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-116
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4'10"

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or Volume (circle one)

Mix Ratio or Mud Weight

Surface

4'10"

0.16 bags

dry mix

6. Comments

Geoprobe boring GT-116

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) 04/24/2023**DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-117
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): **Direct Push**

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

11.0

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA**5. Material Used to Fill Well / Drillhole****3/8" Bentonite Chips**

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or Volume (circle one)

Mix Ratio or Mud Weight

Surface**11.0****0.35 bags****dry mix****6. Comments**

Geoprobe boring GT-117

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) **04/24/2023****DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-118 Proctor
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N
		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available,
please attach.

Construction Type:

☒ Drilled☐ Driven (Sandpoint)☐ Dug☐ Other (specify): _____

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

6.5

NA

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

6.0

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or
Volume (circle one)Mix Ratio or
Mud Weight

Surface

6.5

0.66 bags

dry mix

6. Comments

Proctor sample from boring GT-118

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) 04/24/2023**DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennsbohm

Date Signed

04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County	WI Unique Well # of Removed Well	Hicap #
Dane		GT-118
Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002
		☐ OTH001
1/4 1/4 SW	Section	Township
1/4 SE	33	07 N
or Gov't Lot #		Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code
53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

Casing Diameter (in.)

7'2"

NA

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

2.3

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

~6

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	7'2"	0.22 bags	dry mix

6. Comments

Geoprobe boring GT-118

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Soils & Engineering Services, Inc.		04/24/2023		
Street or Route	Telephone Number	Comments		
1102 Stewart Street	(608) 274-7600			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53713	Jackie Rennebohm	04/24/2023

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal****Route to DNR Bureau:**☐ Drinking Water☐ Watershed/Wastewater☐ Remediation/Redevelopment☒ Waste Management☐ Other: _____**1. Well Location Information**

County Dane	WI Unique Well # of Removed Well _____	Hicap # GT-119
Latitude / Longitude (see instructions) _____ N _____ W	Format Code ☐ DD ☐ DDM	Method Code ☐ GPS008 ☐ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 33	Township 07 N Range 11 ☒ E ☐ W

Well Street Address

Unaddressed Lot, County Highway N

Well City, Village or Town

Town of Cottage Grove

Subdivision Name

Well ZIP Code

53527

Lot #

Reason for Removal from Service

Temporary Borehole

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information☐ Monitoring Well☐ Water Well☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

04/24/2023

If a Well Construction Report is available,
please attach.

Construction Type:

☐ Drilled☐ Driven (Sandpoint)☐ Dug☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation☐ Bedrock

Total Well Depth From Ground Surface (ft.)

4'10"

Casing Diameter (in.)

NA

Lower Drillhole Diameter (in.)

2.3

Casing Depth (ft.)

NA

Was well annular space grouted?

☐ Yes☒ No☐ Unknown

If yes, to what depth (feet)?

NA

Depth to Water (feet)

NA

5. Material Used to Fill Well / Drillhole

3/8" Bentonite Chips

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or
Volume (circle one)Mix Ratio or
Mud Weight

Surface

4'10"

0.16 bags

dry mix

6. Comments

Geoprobe boring GT-119

7. Supervision of WorkName of Person or Firm Doing Filling & Sealing
Soils & Engineering Services, Inc.

License #

Date of Filling & Sealing or Verification
(mm/dd/yyyy) 04/24/2023**DNR Use Only**

Date Received

Noted By

Street or Route

1102 Stewart Street

Telephone Number

(608) 274-7600

Comments

City

Madison

State

WI

ZIP Code

53713

Signature of Person Doing Work

Jackie Rennebohm

Date Signed

04/24/2023

Attachment E. Lab Analysis Summary Table

**Table 2. Summary of Clay Borrow Test Results - CTH N Site
Dane County Landfill Site No. 3**

Boring Number	Sample Depth (ft. bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Remolded Permeability ASTM D5084 (cm/s)	Modified Proctor Maximum Dry Density (pcf)	Modified Proctor Optimum Moisture Content (%)
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.75 mm)	% Silt (0.75 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (P-200) (<0.75 mm)	Liquid Limit (%)	Plasticity Index (%)				
Liner-Quality Clay												
GT101	7'-2'	0.0	3.0	56.8	39.9	96.7	47	27	CL	--	--	--
GT101	2-3.5	0.0	12.0	58.1	29.7	87.8	43	20	CL	--	--	--
GT101	7'-3.5'	0.0	8.0	58.5	33.5	92.0	44	24	CL	7.9E-09	117.9	12.6
GT102	7'-2'	3.0	43.0	30.4	23.5	53.9	51	29	CH	--	--	--
GT103	9'-2.5'	0.0	11.0	55.8	33.0	88.8	46	25	CL	--	--	--
GT103	2.5-3.7	0.0	3.0	59.1	38.1	97.2	51	30	CH	--	--	--
GT104	8'-2.5'	0.0	3.0	62.6	34.9	97.5	48	27	CL	--	--	--
GT104	2.5-3.5	0.0	5.0	61.6	33.9	95.5	40	20	CL	--	--	--
GT106	8'-1.5'	2.0	32.0	35.8	30.7	66.5	49	29	CL	--	--	--
GT106	1.5-2.5	0.0	7.0	52.6	40.4	93.0	49	28	CL	--	--	--
GT107	9'-1.7'	0.0	15.0	46.4	39.0	85.4	56	35	CH	--	--	--
GT108	8.5'-2'	0.3	7.1	53.6	39.0	92.6	52	32	CH	--	--	--
GT108	2-3.5	0.3	13.4	50.4	36.0	86.4	36	21	CL	--	--	--
GT109	7'-2'	0.0	2.7	58.3	39.0	97.3	48	29	CL	--	--	--
GT109	2-3.5	0.3	1.9	57.8	40.0	97.8	47	26	CL	--	--	--
GT110	9'-2'	0.3	1.2	63.5	35.0	98.5	47	25	CL	--	--	--
GT110	2-4	0.3	4.3	61.5	34.0	95.5	43	22	CL	--	--	--
GT111	9'-2'	0.4	4.1	55.4	40.0	95.4	47	25	CL	--	--	--
GT111	2-3	1.3	35.3	40.4	23.0	63.4	41	19	CL	--	--	--
GT112	9'-2'	0.0	1.8	56.2	42.0	98.2	50	28	CL/CH	--	--	--
GT112	2-3	3.1	12.5	49.3	35.0	84.3	42	23	CL	--	--	--
GT113	13'-3'	0.1	4.6	59.4	36.0	95.4	40	19	CL	--	--	--
GT113	1-5.5	0.8	18.0	50.2	31.0	81.2	44	25	CL	4.01E-08	117.1	12.8
GT113	3-5	0.1	19.7	50.3	30.0	80.3	42	23	CL	--	--	--
GT114	9'-2'	0.0	3.6	68.3	28.1	96.4	42	19	CL	--	--	--
GT114	1-5	1.1	18.9	50.7	29.3	80.0	37	19	CL	9.67E-08	123.3	10.0
GT114	4-5	1.6	26.1	53.6	18.7	72.3	31	15	CL	--	--	--
GT115	10'-2'	0.0	3.6	68.9	27.5	96.4	42	22	CL	--	--	--
GT115	2-3	0.1	11.8	62.7	25.4	88.1	37	20	CL	--	--	--
GT116	8'-2'	0.1	17.5	59.0	23.4	82.4	38	19	CL	--	--	--
GT116	2-3.8	0.0	4.0	67.5	28.5	96.0	43	19	CL	--	--	--
GT118	1-4	0.0	1.3	66.1	32.6	98.7	40	19	CL	--	--	--
GT118	4-6.5	0.0	8.6	66.2	25.2	91.4	34	14	CL	--	--	--
GT119	8'-2.4'	0.0	1.6	59.8	38.6	98.4	44	21	CL	--	--	--
GT119	2.4-4.9	0.5	31.8	44.1	23.6	67.7	29	15	CL	--	--	--

**Table 2. Summary of Clay Borrow Test Results - CTH N Site
Dane County Landfill Site No. 3**

Boring Number	Sample Depth (ft. bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Remolded Permeability ASTM D5084 (cm/s)	Modified Proctor Maximum Dry Density (pcf)	Modified Proctor Optimum Moisture Content (%)
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.75 mm)	% Silt (0.75 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (P-200) (<0.75 mm)	Liquid Limit (%)	Plasticity Index (%)				
N=		35	35	35	35	35	35	35	--	3	3	3
Min.		0.0	1.2	30.4	18.7	53.9	29	14	--	7.90E-09	117.1	10.0
Req'd. Min.		--	--	--	--	50.0	20	10	--	--	--	--
Max.		3.1	43.0	68.9	42.0	98.7	56	35	--	9.67E-08	123.3	12.8
Req'd. Max.		--	--	--	--	--	--	--	--	1.E-07	--	--
Mean		0.4	11.4	55.7	32.5	88.2	43.4	23.2	--	4.82E-08	119.4	11.8
Req'd. Min. Avg.		--	--	--	--	--	25	12	--	--	--	--
Median		0.1	7.1	57.8	33.5	92.6	43	23	--	4.01E-08	117.9	12.6
Std. Dev.		0.8	10.8	8.7	6.0	11.3	5.9	4.9	--	3.67E-08	2.8	1.3

Other Soil

GT102	2-4	63.0	10.0	19.4	7.4	26.8	NP	NP	GM	--	--	--
GT107	1.7-2	11.0	53.0	17.7	18.5	36.2	NP	NP	SM	--	--	--

Abbreviations:

ASTM = American Society for Testing and Materials

USCS = Unified Soil Classification System

mm = millimeter

bgs = below ground surface

pcf = pounds per cubic foot

cm/s = centimeters per second

NT: Not tested

NP: Non plastic

Created by:	<u>DLN</u>	Date:	<u>6/7/2023</u>
Last revision by:	<u>AJR</u>	Date:	<u>9/6/2023</u>
Checked by:	<u>DLN</u>	Date:	<u>9/6/2023</u>
Proj Mgr QA/QC:	<u>BLP</u>	Date:	<u>10/3/2023</u>

I:\25222268.00\Deliverables\Clay Borrow Source Recommendations\[Table 2 - Test Results_CTH N Site.xls]Table 2