

# Dane County Contract Cover Sheet

Revised 01/2025

Res 265  
significant

Dept./Division	Dane County Waste and Renewables		
Vendor Name	Traut Companies	MUNIS #	36350
Brief Contract Title/Description	Award of Contract for well abandonment at the Dane County Landfill Site No. 3.		
Contract Term	December 31, 2026		
Contract Amount	\$359,965.00		

Contract # Admin will assign	16044
Type of Contract	
<input checked="" type="checkbox"/>	Dane County Contract
<input type="checkbox"/>	Intergovernmental
<input type="checkbox"/>	County Lessee
<input type="checkbox"/>	County Lessor
<input type="checkbox"/>	Purchase of Property
<input type="checkbox"/>	Property Sale
<input type="checkbox"/>	Grant
<input type="checkbox"/>	Other

Department Contact Information		Vendor Contact Information	
Name	Ali Rathsack	Name	Travis Traut
Phone #	608-514-2319	Phone #	320.249.6496
Email	Rathsack.Allison@danecounty.gov	Email	TravisT@trautcompanies.com

Purchasing Authority	<input type="checkbox"/> \$13,000 or under – Best Judgment (1 quote required)
	<input type="checkbox"/> Between \$13,000 – \$45,000 (\$0 – \$25,000 Public Works) (3 quotes required)
	<input type="checkbox"/> Over \$45,000 (\$25,000 Public Works) (Formal RFB/RFP required)
	<input type="checkbox"/> Bid Waiver – \$45,000 or under (\$25,000 or under Public Works)
	<input checked="" type="checkbox"/> Bid Waiver – Over \$45,000 (N/A to Public Works)
	<input type="checkbox"/> Cooperative Contract Contract Name & #
	<input type="checkbox"/> N/A - Grants, Leases, Intergovernmental, Property Purchase/Sale, Other

MUNIS Req.	Req #	627	Org: SWLNDPLL	Obj: 51109	Proj:	\$ 359,965.00
	Org:		Obj:		Proj:	\$
	Year	2026	Org:	Obj:	Proj:	\$

Budget Amendment	
<input type="checkbox"/>	A Budget Amendment has been requested via a Funds Transfer or Resolution. Upon addendum approval and budget amendment completion, the department shall update the requisition in MUNIS accordingly.

Resolution Required if contract exceeds \$100,000	<input type="checkbox"/> Contract does not exceed \$100,000
	<input checked="" type="checkbox"/> Contract exceeds \$100,000 – resolution required.
	<input type="checkbox"/> A copy of the Resolution is attached to the contract cover sheet.
Res #	265
Year	2025

CONTRACT MODIFICATIONS – Standard Terms and Conditions		
<input type="checkbox"/> No modifications.	<input type="checkbox"/> Modifications and reviewed by:	<input type="checkbox"/> Non-standard Contract

APPROVAL		APPROVAL – Contracts Exceeding \$100,000	
Dept. Head / Authorized Designee		Director of Administration	
Wienkes, Roxanne  Digitally signed by Wienkes, Roxanne Date: 2025.12.08 15:53:30 -06'00'		 Greg Brockmeyer	
		Corporation Counsel	
		 David Gault	

APPROVAL – Internal Contract Review – Routed Electronically – Approvals Will Be Attached			
DOA:	Date In: 12/10/25	Date Out: _____	<input checked="" type="checkbox"/> Controller, Purchasing, Corp Counsel, Risk Management

## Goldade, Michelle

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**From:** Goldade, Michelle  
**Sent:** Thursday, December 18, 2025 10:10 AM  
**To:** Hicklin, Charles; Patten, Peter; Gault, David; Cotillier, Joshua  
**Cc:** Stavn, Stephanie; Oby, Joe  
**Subject:** Contract #16044  
**Attachments:** 16044.pdf

Tracking:	Recipient	Read	Response
	Hicklin, Charles	Read: 12/18/2025 11:05 AM	Approve: 12/18/2025 11:06 AM
	Patten, Peter	Read: 12/18/2025 11:13 AM	Approve: 12/18/2025 4:35 PM
	Gault, David	Read: 12/18/2025 10:29 AM	Approve: 12/18/2025 10:31 AM
	Cotillier, Joshua	Read: 12/18/2025 10:17 AM	Approve: 12/18/2025 10:23 AM
	Stavn, Stephanie	Read: 12/18/2025 3:00 PM	
	Oby, Joe		

Please review the contract and indicate using the vote button above if you approve or disapprove of this contract.

Contract #16044

Department: Waste & Renewables

Vendor: Traut Companies

Contract Description: Contract for well abandonment at the Landfill Site No. 3 (Res 265)

Contract Term: 1/1/26 – 12/31/26

Contract Amount: \$359,965.00

*Michelle Goldade*

Administrative Manager

Dane County Department of Administration

Room 425, City-County Building

210 Martin Luther King, Jr. Boulevard

Madison, WI 53703

PH: 608/266-4941

Fax: 608/266-4425

TDD: Call WI Relay 711

Please Note: I currently have a modified work schedule...I am in the office Mondays and Wednesdays and working remotely Tuesdays, Thursdays and Fridays.

2025 RES-265

WASTE AND RENEWABLES CONTRACT FOR SPECIALIZED DRILLING SERVICES WITH  
TRAUT COMPANIES TO ABANDON THREE PRIVATE WELLS AT THE DANE COUNTY  
LANDFILL SITE NO. 3

The Dane County Department of Waste & Renewables (W&R) owns and operates an active landfill (Landfill Site No. 2) located at 7102 Maahic Way, Madison, Wisconsin 53718. Permitting and design for Dane County Landfill Site No. 3 is currently underway.

W&R requested a waiver of bid and received approval from the Dane County Personnel and Finance Committee on November 24<sup>th</sup>, 2025 to utilize Traut Companies to abandon three private groundwater wells within the footprint of the proposed Dane County Landfill Site No. 3. The three wells are PW-C, PW-D and PW-E with depths varying between 360' and 890' below surface and outer casing diameters varying between 10" to 18". The abandonment of the wells requires specialized equipment and expertise and Traut was the only viable respondent to W&R's requests for qualifications.

**NOW, THEREFORE, BE IT RESOLVED** that Traut Companies and W&R wish to enter into a Contract for specialized drilling services to abandon three private wells at Dane County Landfill Site No. 3, with a total contract amount of \$359,965.00; and

**BE IT FURTHER RESOLVED** that the County Executive and the County Clerk be authorized to sign the Agreement; and

**BE IT FINALLY RESOLVED** that the Department of Waste & Renewables be directed to ensure complete performance of the Agreement.

# DANE COUNTY CONTRACT # 16044

Revised 11/2024



**Department:** Waste + Renewables  
**Provider:** Traut Companies  
**Expiration Date:** December 31, 2026  
**Maximum Cost:** \$359,965.00

**Registered Agent (if applicable):** Travis Traut  
**Registered Agent Address:** 32640 County Road 133  
St. Joseph, MN 56374

**THIS AGREEMENT**, made and entered into, by and between the County of Dane (hereafter referred to as "COUNTY") and Traut Companies (hereafter, "PROVIDER"),

## WITNESSETH:

**WHEREAS** COUNTY, whose address is 1919 Alliant Energy Center Way, Madison, WI 53713, desires to purchase services from PROVIDER for the purpose of abandoning three private water wells (PW-C, D, and E); and

**WHEREAS** PROVIDER, whose address is 32640 County Road 133, St. Joseph, MN 56374, is able and willing to provide such services;

**NOW, THEREFORE**, in consideration of the above premises and the mutual covenants of the parties hereinafter set forth, the receipt and sufficiency of which is acknowledged by each party for itself, COUNTY and PROVIDER do agree as follows:

**I. TERM:**

The term of this Agreement shall commence as of the date by which all parties have executed this Agreement and shall end as of the EXPIRATION DATE set forth on page 1 hereof, unless sooner agreed to in writing by the parties. PROVIDER shall complete its obligations under this Agreement not later than the EXPIRATION DATE. COUNTY shall not be liable for any services performed by PROVIDER other than during the term of this Agreement. COUNTY shall never pay more than the Maximum Cost as stated above for all services. Upon failure of PROVIDER to complete its obligation set forth herein by the EXPIRATION DATE, COUNTY may invoke the penalties, if any, set forth in this document and its attachments.

**II. SERVICES:**

A. PROVIDER agrees to provide the services detailed in the bid specifications, if any; the request for proposals (RFP) and PROVIDER's response thereto, if any; and on the attached Schedule A, which is fully incorporated herein by reference. In the event of a conflict between or among the bid specifications, the RFP or responses thereto, or the terms of Schedule A or any of them, it is agreed that the terms of Schedule A, to the extent of any conflict, are controlling.

B. PROVIDER shall commence, carry on and complete its obligations under this Agreement with all deliberate speed and in a sound, economical and efficient manner, in accordance with this Agreement and all applicable laws. In providing services under this Agreement, PROVIDER agrees to cooperate with the various departments, agencies, employees and officers of COUNTY.

- C. PROVIDER agrees to secure at PROVIDER's own expense all personnel necessary to carry out PROVIDER's obligations under this Agreement. Such personnel shall not be deemed to be employees of COUNTY nor shall they or any of them have or be deemed to have any direct contractual relationship with COUNTY.
- D. No portion of funds under this Agreement may be used to support or advance religious activities.
- E. PROVIDER warrants that it has complied with all necessary requirements to do business in the State of Wisconsin and has met all state and federal service standards, certifications and assurances as expressed by State and Federal statutes, rules, and regulations applicable to the services covered by this Agreement.
- F. PROVIDER will follow applicable public health guidelines to provide safe services and a safe workplace. In addition, by signing this Agreement, PROVIDER acknowledges the contagious nature of COVID-19 and voluntarily assumes the risk that PROVIDER and its staff may be exposed to or infected by COVID-19 by providing services under this Agreement and that such exposure or infection may result in personal injury, illness, permanent disability, and death.

PROVIDER further acknowledges that PROVIDER is assuming all of the foregoing risks and accept sole responsibility for any injury to itself and staff, including, but not limited to, personal injury, disability, death, illness, damage, loss, claim, liability, or expense or any kind, that PROVIDER or its staff may experience or incur in connection with providing services. PROVIDER hereby releases, covenants not to sue, discharges, and holds harmless and indemnifies the COUNTY, its employees, agents, and representatives, of and from any and all claims, including all liabilities, claims, actions, damages, costs or expenses of any kind arising out of or relating thereto. Provider understands and agrees that this release includes any claims based on the actions, omissions, or negligence of COUNTY, its employees, agents and representatives, whether a COVID-19 infection occurs before, during, or after the provision of services under this Agreement.

**III. ASSIGNMENT/TRANSFER:**

PROVIDER shall not assign, subcontract or transfer any interest or obligation in this Agreement, without the prior written consent of COUNTY, including the hiring of independent contract service providers unless otherwise provided herein. Claims for money due or to become due PROVIDER from COUNTY under this Agreement may be assigned to a bank, trust company or other financial institution without such approval if and only if the instrument of assignment contains a provision substantially to the effect that it is agreed that the right of the assignee in and to any moneys due or to become due to PROVIDER shall be subject to prior claims of all persons, firms and corporations for services rendered or materials supplied for the performance of the work called for in this Agreement. PROVIDER shall promptly provide notice of any such assignment or transfer to COUNTY.

**IV. TERMINATION:**

- A. Failure of PROVIDER to fulfill any of its obligations under this Agreement in a timely manner, or violation by PROVIDER of any of the covenants or stipulations of this Agreement, shall constitute grounds for COUNTY to terminate this Agreement by giving a thirty (30) day written notice to PROVIDER.
- B. The following shall constitute grounds for immediate termination:
  1. violation by PROVIDER of any State, Federal or local law, or failure by PROVIDER to comply with any applicable States and Federal service standards, as expressed by applicable statutes, rules and regulations.
  2. failure by PROVIDER to carry applicable licenses or certifications as required by law.
  3. failure of PROVIDER to comply with reporting requirements contained herein.
  4. inability of PROVIDER to perform the work provided for herein.

- C. Failure of the Dane County Board of Supervisors or the State or Federal Governments to appropriate sufficient funds to carry out COUNTY's obligations hereunder, shall result in automatic termination of this Agreement as of the date funds are no longer available, without notice.
- D. In the event COUNTY terminates this Agreement as provided herein, all finished and unfinished documents, services, papers, data, products, and the like prepared, produced or made by PROVIDER under this Agreement shall at the option of COUNTY become the property of COUNTY, and PROVIDER shall be entitled to receive just and equitable compensation, subject to any penalty, for any satisfactory work completed on such documents, services, papers, data, products or the like. Notwithstanding the above, PROVIDER shall not be relieved of liability to COUNTY for damages sustained by COUNTY by virtue of any breach of this Agreement by PROVIDER, and COUNTY may withhold any payments to PROVIDER for the purpose of offset.

**V. PAYMENT:**

COUNTY agrees to make such payments for services rendered under this Agreement as and in the manner specified herein and in the attached Schedule B, which is fully incorporated herein by reference. Notwithstanding any language to the contrary in this Agreement or its attachments, COUNTY shall never be required to pay more than the sum set forth on page 1 of this Agreement under the heading MAXIMUM COST, for all services rendered by PROVIDER under this Agreement.

**VI. REPORTS:**

PROVIDER agrees to make such reports as are required in the attached schedules, which is fully incorporated herein by reference. With respect to such reports it is expressly understood that time is of the essence and that the failure of PROVIDER to comply with the time limits set forth in said schedules shall result in the penalties set forth herein.

**VII. DELIVERY OF NOTICE:**

Notices, bills, invoices and reports required by this Agreement shall be deemed delivered as of the date of postmark if deposited in a United States mailbox, first class postage attached, addressed to a party's address as set forth above. It shall be the duty of a party changing its address to notify the other party in writing within a reasonable time.

**VIII. INSURANCE & INDEMNIFICATION:**

- A. PROVIDER shall indemnify, hold harmless and defend COUNTY, its boards, commissions, agencies, officers, employees and representatives against any and all liability, loss (including, but not limited to, property damage, bodily injury and loss of life), damages, costs or expenses which COUNTY, its officers, employees, agencies, boards, commissions and representatives may sustain, incur or be required to pay by reason of PROVIDER's furnishing the services or goods required to be provided under this Agreement, provided, however, that the provisions of this paragraph shall not apply to liabilities, losses, charges, costs, or expenses caused by or resulting from the acts or omissions of COUNTY, its agencies, boards, commissions, officers, employees or representatives. Any failure on the part of the PROVIDER to comply with reporting or other provisions of its insurance policies shall not affect this PROVIDER's obligations under this paragraph. COUNTY reserves the right, but not the obligation, to participate in defense without relieving PROVIDER of any obligation under this paragraph. The obligations of PROVIDER under this paragraph shall survive the expiration or termination of this Agreement.
- B. In order to protect itself and COUNTY, its officers, boards, commissions, agencies, agents, volunteers, employees and representatives under the indemnity provisions of the subparagraph above, PROVIDER shall, at PROVIDER's own expense, obtain and at all times during the term of this Agreement keep in full force and effect the insurance coverages, limits, and endorsements listed below. When obtaining required insurance under this Agreement and otherwise, PROVIDER agrees to preserve COUNTY's

subrogation rights in all such matters that may arise that are covered by PROVIDER's insurance. Neither these requirements nor the COUNTY's review or acceptance of PROVIDER's certificates of insurance is intended to limit or qualify the liabilities or obligations assumed by the PROVIDER under this Agreement. The County expressly reserves the right to require higher or lower insurance limits where County deems necessary.

1. Commercial General Liability.

PROVIDER agrees to maintain Commercial General Liability insurance at a limit of not less than \$1,000,000 per occurrence. Coverage shall include, but not be limited to, Bodily Injury and Property Damage to Third Parties, Contractual Liability, Personal Injury and Advertising Injury Liability, Premises-Operations, Independent PROVIDERs and Subcontractors, and Fire Legal Liability. The policy shall not exclude Explosion, Collapse, and Underground Property Damage Liability Coverage. The policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations.

2. Professional Liability Insurance.

If PROVIDER renders professional services (such as medical, architectural or engineering services) under this Agreement, then PROVIDER shall provide and maintain two million dollars (\$2,000,000.00) of professional liability insurance. If such policy is a "claims made" policy, all renewals during the life of the Agreement shall include "prior acts coverage" covering at all times all claims made with respect to PROVIDER's work performed under the Agreement. This Professional Liability coverage must be kept in force for a period of six (6) years after the services have been accepted by COUNTY

3. Commercial/Business Automobile Liability Insurance.

If applicable to the services covered by this Agreement, PROVIDER shall provide and maintain commercial general liability and automobile liability insurance at a limit of not less than \$1,000,000 per occurrence. Coverage for commercial general liability and automobile liability insurance shall, at a minimum, be at least as broad as Insurance Services Office ("ISO") Commercial General Liability Coverage (Occurrence Form CG 0001) and ISO Business Auto Coverage (Form CA 0001), covering Symbol 1 (any vehicle).

4. Environmental Impairment (Pollution) Liability

If PROVIDER will be transporting waste or will be disposing of waste or products under this Agreement, then PROVIDER agrees to maintain Environmental Impairment (Pollution) Liability insurance at a limit of not less than \$1,000,000 per occurrence for bodily injury, property damage, and environmental cleanup costs caused by pollution conditions, both sudden and non-sudden. This requirement can be satisfied by either a separate environmental liability policy or through a modification to the Commercial General Liability policy. Evidence of either must be provided.

5. Workers' Compensation.

PROVIDER agrees to maintain Workers Compensation insurance at Wisconsin statutory limits.

6. Umbrella or Excess Liability.

PROVIDER may satisfy the minimum liability limits required above for Commercial General Liability and Business Auto Liability under an Umbrella or Excess Liability policy. There is no minimum Per Occurrence limit of liability under the Umbrella or Excess Liability; however, the Annual Aggregate limit shall not be less than the highest "Each Occurrence" limit for the Commercial General Liability and Business Auto Liability. PROVIDER agrees to list DANE COUNTY as an "Additional Insured" on its Umbrella or Excess Liability policy.

C. Required provisions.

1. Insurer's Requirement

All of the insurance shall be provided on policy forms and through companies satisfactory to COUNTY, and shall have a minimum AM Best's rating of A- VIII

2. Additional Insured.

COUNTY, its elected and appointed officials, officers, employees or authorized representatives or volunteers are to be given additional insured status (via ISO endorsement CG 2010, CG 2033, or insurer's equivalent for general liability coverage) as respects: liability arising out of activities performed by or on behalf of PROVIDER; products and completed operations of PROVIDER; premises occupied or used by PROVIDER; and vehicles owned, leased, hired or borrowed by PROVIDER. The coverage shall contain no special limitations on the scope of protection afforded to COUNTY, its elected and appointed officials, officers, employees or authorized representatives or volunteers. Except for the workers compensation policy, each insurance policy shall contain a waiver of subrogation endorsement in favor of COUNTY.

3. Provider's Insurance Shall be Primary

For any claims related to this Agreement, PROVIDER's insurance shall be primary insurance with respect to COUNTY, its elected and appointed officials, officers, employees or authorized representatives or volunteers. Any insurance, self-insurance, or other coverage maintained by COUNTY, its elected and appointed officers, officials, employees or authorized representatives or volunteers shall not contribute to the primary insurance. PROVIDER's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability

4. Cancelation Notice

Each insurance policy required by this Agreement shall state, or be endorsed so as to the state, that coverage shall not be canceled by the insurance carrier or the PROVIDER, except after sixty (60) days (ten (10) days for non-payment of premium) prior written notice by U.S. mail has been given to COUNTY.

5. Evidences of Insurance.

Prior to execution of the Agreement, PROVIDER shall file with COUNTY a certificate of insurance (Accord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this Agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative. Such evidence shall also include confirmation that coverage includes or has been modified to include all required provisions as detailed herein.

6. Sub-Contractors.

In the event that PROVIDER employs sub-contractors as part of this Agreement, it shall be the PROVIDER's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

D. The parties do hereby expressly agree that COUNTY, acting at its sole option and through its Risk Manager, may waive any and all requirements contained in this Agreement, such waiver to be in writing only. Such waiver may include or be limited to a reduction in the amount of coverage required above. The extent of waiver shall be determined solely by COUNTY's Risk Manager taking into account the nature of the work and other factors relevant to COUNTY's exposure, if any, under this Agreement.

**IX. NO WAIVER BY PAYMENT OR ACCEPTANCE:**

In no event shall the making of any payment or acceptance of any service or product required by this Agreement constitute or be construed as a waiver by COUNTY of any breach of the covenants of this Agreement or a waiver of any default of PROVIDER and the making of any such payment or acceptance of any such service or product by COUNTY while any such default or breach shall exist shall in no way impair or prejudice the right of COUNTY with respect to recovery of damages or other remedy as a result of such breach or default.

**X. NON-DISCRIMINATION:**

During the term of this Agreement, PROVIDER agrees not to discriminate on the basis of age, race, ethnicity, religion, color, gender, disability, marital status, sexual orientation, national origin,

cultural differences, ancestry, physical appearance, arrest record or conviction record, military participation or membership in the national guard, state defense force or any other reserve component of the military forces of the United States, or political beliefs against any person, whether a recipient of services (actual or potential) or an employee or applicant for employment. Such equal opportunity shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment, advertising, layoff, termination, training, rates of pay, and any other form of compensation or level of service(s). PROVIDER agrees to post in conspicuous places, available to all employees, service recipients and applicants for employment and services, notices setting forth the provisions of this paragraph. The listing of prohibited bases for discrimination shall not be construed to amend in any fashion state or federal law setting forth additional bases, and exceptions shall be permitted only to the extent allowable in state or federal law.

**XI. CIVIL RIGHTS COMPLIANCE:**

- A. If PROVIDER has 20 or more employees and receives \$20,000 in annual contracts with COUNTY, the PROVIDER shall submit to COUNTY a current Civil Rights Compliance Plan (CRC) for Meeting Equal Opportunity Requirements under Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title VI and XVI of the Public Service Health Act, the Age Discrimination Act of 1975, the Omnibus Budget Reconciliation Act of 1981 and Americans with Disabilities Act (ADA) of 1990. PROVIDER shall also file an Affirmative Action (AA) Plan with COUNTY in accordance with the requirements of chapter 19 of the Dane County Code of Ordinances. PROVIDER shall submit a copy of its discrimination complaint form with its CRC/AA Plan. The CRC/AA Plan must be submitted prior to the effective date of this Agreement and failure to do so by said date shall constitute grounds for immediate termination of this Agreement by COUNTY. If an approved plan has been received during the previous CALENDAR year, a plan update is acceptable. The plan may cover a two-year period. Providers who have less than twenty employees, but who receive more than \$20,000 from the COUNTY in annual contracts, may be required to submit a CRC Action Plan to correct any problems discovered as the result of a complaint investigation or other Civil Rights Compliance monitoring efforts set forth herein below. If PROVIDER submits a CRC/AA Plan to a Department of Workforce Development Division or to a Department of Health and Family Services Division that covers the services purchased by COUNTY, a verification of acceptance by the State of PROVIDER's Plan is sufficient.
- B. PROVIDER agrees to comply with the COUNTY's civil rights compliance policies and procedures. PROVIDER agrees to comply with civil rights monitoring reviews performed by the COUNTY, including the examination of records and relevant files maintained by the PROVIDER. PROVIDER agrees to furnish all information and reports required by the COUNTY as they relate to affirmative action and non-discrimination. PROVIDER further agrees to cooperate with COUNTY in developing, implementing, and monitoring corrective action plans that result from any reviews.
- C. PROVIDER shall post the Equal Opportunity Policy, the name of PROVIDER's designated Equal Opportunity Coordinator and the discrimination complaint process in conspicuous places available to applicants and clients of services, applicants for employment and employees. The complaint process will be according to COUNTY's policies and procedures and made available in languages and formats understandable to applicants, clients and employees. PROVIDER shall supply to COUNTY's Contract Compliance Officer upon request a summary document of all client complaints related to perceived discrimination in service delivery. These documents shall include names of the involved persons, nature of the complaints, and a description of any attempts made to achieve complaint resolution.
- D. PROVIDER shall provide copies of all announcements of new employment opportunities to COUNTY's Contract Compliance Officer when such announcements are issued.
- E. If PROVIDER is a government entity having its own compliance plan, PROVIDER'S plan shall govern PROVIDER's activities.

**XII. COMPLIANCE WITH FAIR LABOR STANDARDS:**

**A. Reporting of Adverse Findings**

During the term of this Agreement, PROVIDER shall report to the County Contract Compliance Officer, within ten (10) days, any allegations to, or findings by the National Labor Relations Board (NLRB) or Wisconsin Employment Relations commission (WERC) that PROVIDER has violated a statute or regulation regarding labor standards or relations,. If an investigation by the Contract Compliance Officer results in a final determination that the matter adversely affects PROVIDER'S responsibilities under this Agreement, and which recommends termination, suspension or cancellation of this agreement, the County may take such action.

**B. Appeal Process**

PROVIDER may appeal any adverse finding by the Contract Compliance Officer as set forth in Dane County Ordinances Sec. 25.08(20)(c) through (e).

**C. Notice Requirement**

PROVIDER shall post the following statement in a prominent place visible to employees: "As a condition of receiving and maintaining a contract with Dane County, this employer shall comply with federal, state and all other applicable laws prohibiting retaliation for union organizing."

**XIII. CONTROLLING LAW AND VENUE:**

It is expressly understood and agreed to by the parties hereto that in the event of any disagreement or controversy between the parties, Wisconsin law shall be controlling. Venue for any legal proceedings shall be in the Dane County Circuit Court.

**XIV. FINANCIAL INTEREST PROHIBITED:**

Under s. 946.13, Wis. Stats. COUNTY employees and officials are prohibited from holding a private pecuniary interest, direct or indirect, in any public contract. By executing this Agreement, each party represents that it has no knowledge of a COUNTY employee or official involved in the making or performance of the Agreement that has a private pecuniary interest therein. It is expressly understood and agreed that any subsequent finding of a violation of s. 946.13, Wis. Stat. may result in this Agreement being voided at the discretion of the COUNTY.

**XV. LIMITATION OF AGREEMENT:**

This agreement is intended to be an agreement solely between the parties hereto and for their benefit only. No part of this Agreement shall be construed to add to, supplement, amend, abridge or repeal existing duties, rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the parties.

**XVI. ENTIRE AGREEMENT:**

The entire agreement of the parties is contained herein and this Agreement supersedes any and all oral agreements and negotiations between the parties relating to the subject matter hereof. The parties expressly agree that this Agreement shall not be amended in any fashion except in writing, executed by both parties.

**XVII. COUNTERPARTS:**

The parties may evidence their agreement to the foregoing upon one or several counterparts of this instrument, which together shall constitute a single instrument.

**XVIII. CONSTRUCTION:**

This Agreement shall not be construed against the drafter.

**XIX. COPIES VALID:**

This agreement, and any amendment or addendum relating to it, may be executed and transmitted to any other party by legible facsimile reproduction or by scanned legible electronic PDF copy, and utilized in all respects as, an original, wet-inked manually executed document. Further, this Agreement and any amendment or addendum thereto, may be stored and reproduced by each party electronically, photographically, by photocopy or other similar process, and each party may at its option destroy any original document so reproduced. All parties hereto

stipulate that any such legible reproduction shall be admissible in evidence as the original itself in any judicial, arbitration or administrative proceeding whether or not the original is in existence and whether or not such reproduction was made by each party in the regular course of business. This term does not apply to the service of notices under this Agreement.

**XX. REGISTERED AGENT:**

PROVIDER warrants that it has complied with all necessary requirements to do business in the State of Wisconsin, that the persons executing this Agreement on its behalf are authorized to do so, and, if a corporation, that the name and address of PROVIDER's registered agent is as set forth opposite the heading REGISTERED AGENT on page 1 of this Agreement. PROVIDER shall notify COUNTY immediately, in writing, of any change in its registered agent, his or her address, and PROVIDER's legal status. For a partnership, the term 'registered agent' shall mean a general partner.

**XXI. DEBARMENT:**

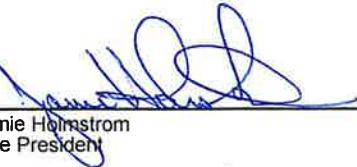
By signing this Contract, PROVIDER attests that it is not debarred from participating in federal procurements. COUNTY reserves the right to cancel this Contract if PROVIDER is presently, or is in the future, on the list of parties excluded from federal procurements.

**XXII. EXECUTION:**

- A. The parties agree that execution of this document may be made by electronic signatures. The parties may make electronic signatures by typing the name of the authorized signature followed by the words, "electronically signed" or by any other electronic means representing an authorized signature by PROVIDER. PROVIDER shall ensure that only authorized persons may affix electronic signatures to this Agreement and COUNTY may rely that the electronic signature provided by PROVIDER is authentic.
- B. This Agreement has no effect until signed by both parties. The submission of this Agreement to PROVIDER for examination does not constitute an offer. PROVIDER warrants that the persons executing this Agreement on its behalf are authorized to do so.

**IN WITNESS WHEREOF**, COUNTY and PROVIDER, by their respective authorized agents, have caused this Agreement and its Schedules to be executed, effective as of the date by which all parties hereto have affixed their respective signatures, as indicated below.

**FOR PROVIDER:**



Jamie Holmstrom  
Vice President

12/4/2025

Date



Brad Kirckof  
Secretary

12/4/2025

Date

\* \* \*

**FOR COUNTY:**

---

Melissa Agard  
Dane County Executive

---

Date

---

Scott McDonell  
Dane County Clerk

---

Date

## SCHEDULE A

### Scope of Services

1. Purpose: PROVIDER shall abandon three private water wells (PW-C, D, and E) located within the limits of waste for the proposed Dane County Landfill Site No. 3 located at 4402 Brandt Road, Madison, WI 53718. PROVIDER acknowledges that Wisconsin Department of Natural Resources (WDNR) requires abandonment of PW-C, D, and E prior to construction of the landfill clay liner. Wells shall be abandoned no later than September 1, 2026 in accordance with Wisconsin Administrative Code NR 812.26. Additionally, WDNR is requiring complete removal of the steel well casings.
2. SCS Engineers (SCS) is contracted with COUNTY to design, permit, and develop construction plan sets for initial construction of Dane County Landfill Site No. 3. SCS is also contracted with COUNTY to perform well abandonment documentation for PW-C, D, and E. In this regard, all work shall be coordinated with SCS and COUNTY. Additionally, SCS and COUNTY shall have unrestricted access to the work.
3. The property was formally owned by the City of Madison Parks Department (CITY) prior to COUNTY purchasing the property. COUNTY is leasing back the maintenance facility associated with PW-D to the CITY and the pad mounted transfer, electric box, and HVAC equipment in the vicinity of PW-D are to remain. In this regard, CITY may opt to attend meetings, as desired, throughout the abandonment work of PW-D.
4. PW-C, D, and E Well Construction Summary is provided below. Well construction and geologic logs are provided for reference in **SCHEDULE C**.

Well Id.	Casing		Drill Hole			
	Outer Depth; Diameter	Inner Depth; Diameter	Depth; Diameter	Depth; Diameter	Depth; Diameter	Depth; Diameter
PW-C	0 - 29' 18"	+1 - 65' 12"	0 - 29' 18"	29 - 60' 17.25"	60 - 750' 12"	750 - 890' 10"
PW-D	0 - 48' 10"	+1 - 73' 6"	0 - 50' 10"	50-360' 6"	--	--
PW-E	0 - 34' 10"	+1 - 57' 6"	0 - 50' 10"	50-455' 6"	--	--

Note:

- Outer casings on all wells end at the approximate depth of the bedrock surface.
- All wells have cement grout between the inner and outer casings to a depth of 50 ft.

5. Summary of Work to be Completed:
  - a. PROVIDER shall complete a site visit with representatives from SCS, CITY, and COUNTY, prior to starting work.
  - b. PROVIDER shall provide a written summary of the proposed backfill methods and materials to COUNTY and SCS for use in WDNR abandonment coordination, prior to starting work.
  - c. PROVIDER shall prepare and submit a Health and Safety Plan in compliance with applicable OSHA regulations including 29 CFR 1910 to COUNTY, prior to starting work.
  - d. PROVIDER shall attend a kick-off meeting with SCS, CITY, and COUNTY, prior to starting work. If PROVIDER pulls pumps and videos wells in a separate mobilization from well abandonment, two (2) kick-off meetings shall be held.
    - i. PROVIDER shall notify COUNTY and SCS a minimum forty-five (45) days prior to starting work.
  - e. PROVIDER shall notify Diggers Hotline and other appropriate public authorities for public utility marking prior to starting work.
    - i. PROVIDER shall provide Diggers Hotline ticket number to COUNTY.
  - f. COUNTY shall be responsible for private utility marking prior to starting work.
  - g. PROVIDER shall remove pumps and videotape PW-C, D, and E.

- i. COUNTY shall dispose of pumps and associated equipment and the steel casings following removal.
- h. PROVIDER shall remove the inner and outer steel well casings from PW-C, D, and E.
  - i. PROVIDER shall steam clean all drilling apparatuses prior to starting work and between well locations.
- i. PROVIDER shall backfill and abandon PW-C, D, and E per NR 812.26.
  - i. PROVIDER shall abandon all wells in a single mobilization.
  - ii. PROVIDER shall perform site clean-up upon completion of well abandonment at each well location.
  - iii. PROVIDER shall clean-up staging area upon completion of all well abandonment work.
  - iv. Throughout well abandonment work, a PROVIDER representative shall attend weekly progress meetings with SCS, CITY, and COUNTY and provide updates.
  - v. As needed, assist SCS with well abandonment documentation.
  - vi. COUNTY shall provide sufficient clearances around PW-C, D, and E for well abandonment activities.

## 6. Timeline

- a. January 16, 2026: Provide a written summary of the proposed backfill methods and materials.
- b. March 17, 2026: Submit Health and Safety Plan.
- c. March 18, 2026: Submit notification of intent to start work (minimum 45 days prior to starting work).
- d. April 6, 2026: Complete the site visit.
- e. April 23, 2026: Attend kick-off meeting.
- f. April 27, 2026: Notify Diggers Hotline and provide ticket number.
- g. May 4, 2026: Remove pumps and video tape wells.
- h. May 18, 2026: Start well abandonment work.
- i. June 26, 2026 (estimated): Complete well abandonment work and clean-up activities.

## **SCHEDULE B**

### **Pricing Structure and Payment**

1. The total cost to abandon the three wells is **\$359,965.00** with a breakdown for each well provided below (and attached):
  - a. PW-C: \$173,510.00
  - b. PW-D: \$94,640.00
  - c. PW-E: \$91,815.00
2. Unit prices shall include all costs for materials, labor, insurance, taxes, overhead, and profit necessary to perform specified work. Estimated quantities are approximate only. Payment shall be based upon actual quantities placed, provided or installed.
3. PROVIDER shall issue an invoice upon completion of services. Invoices must reference the Dane County purchase order number issued for the services described herein. Email delivery of invoices to COUNTY project manager and invoice mailbox ([invoices-waste@danecounty.gov](mailto:invoices-waste@danecounty.gov)) is encouraged and preferred. Payment shall be made within 30 days of COUNTY's receipt of accepted invoice unless otherwise noted in Schedule B.



32640 County Road 133  
St. Joseph, MN 56374  
320-251-5090  
travist@trautcompanies.com

## Quote

### Project: Dane County Landfill #3 - Overshoot Well PW-C

DATE:	10/22/2025
NAME:	SCS Engineers
ADDRESS:	2830 Dairy Drive Madison, WI 53718-6751
CONTACT:	Betty Socha
PHONE #	608-212-6664
EMAIL:	<a href="mailto:bsocha@scsengineers.com">bsocha@scsengineers.com</a>
JOB #	9000000

Well Details	
First Bedrock:	PDC
Aquifer:	Multi
Well Size:	18x12
Well Type:	Open Hole
Drilling Method:	Dual Rotary
Well Depth:	890'
Est. Work Days	12

#### Notes:

##### Scope of Work:

- Pull Pump and Equipment
- Video well to look for fractures in the Limestone and verify casing depth.
- Clean well out to original depth
- Install tremie pipe to the bottom of the well, install neat cement to 10' below inner casing depth. Add pearock as needed to fill fractures that consume neat cement.
- Overshoot 18" Casing with 24" Casing and Bit.
- Remove inner casings.
- Install neat cement into 24" hole and remove 24" casing.

Proposed Start Date: July 20th, 2025

Item No.	Description	Unit	Unit Price	QTY	Totals
<b>Drill Rig Operations</b>					
1	Mobilization/Demobilization/Setup	LS	\$ 38,880.00	1	\$ 38,880.00
2	Installing and Removing Drilling Tools (Tripping Rods)	HR	\$ 625.00	12	\$ 7,500.00
3	Remove loose formation from the well to original depth	HR	\$ 625.00	6	\$ 3,750.00
4	Furnish and Install Grouting Equipment	HR	\$ 625.00	10	\$ 6,250.00
5	Install Grout	CuYd	\$ 825.00	36	\$ 29,700.00
6	Bentonite Chips (if needed)	Bag	\$ 16.00	30	\$ 480.00
7	Furnish & Install Pearock as needed	CY	\$ 440.00	8	\$ 3,520.00
8	Drill and Drive 24" Overshoot Casing	LF	\$ 490.00	70	\$ 34,300.00
9	Baroid Quik-Gel Drilling Fluid	Bag	\$ 16.00	30	\$ 480.00
10	Custom 24"x18" Overshoot Bit, Materials and Fab.	LS	\$ 10,240.00	1	\$ 10,240.00
11	Extract Inner Casings	HR	\$ 625.00	12	\$ 7,500.00
12	Remove 24" Casing and Overshoot Bit after grouting	HR	\$ 625.00	4	\$ 2,500.00
13	Maintain Watertight Dumpster Container	LS	\$ 2,700.00	1	\$ 2,700.00
14	Vac Truck to Dispose of Drill Fluid	EA	\$ 1,800.00	3	\$ 5,400.00
15	Per-Diem and Road Expense (3-man crew)	NIGHT	\$ 600.00	8	\$ 4,800.00
16	Site Restoration and Clean Up	LS	\$ 4,160.00	1	\$ 4,160.00
<b>Pump Hoist Truck Operations</b>					
17	Mobilization/Demobilization/Setup	LS	\$ 5,950.00	1	\$ 5,950.00
18	Remove Pumping Equipment	HR	\$ 350.00	6	\$ 2,100.00
19	Crew Per-Diem (2-Man Crew)	NIGHT	\$ 400.00	1	\$ 400.00
20	Well Video	EA	\$ 2,900.00	1	\$ 2,900.00
					<b>TOTAL \$ 173,510.00</b>

Customer Signature: \_\_\_\_\_

Representative of Traut Companies: *Travis Traut*



32640 County Road 133  
St. Joseph, MN 56374  
320-251-5090  
travist@trautcompanies.com

## Quote

### Project: Dane County Landfill #3 - Overshoot Well PW-D

DATE:	10/22/2025
NAME:	SCS Engineers
ADDRESS:	2830 Dairy Drive Madison, WI 53718-6751
CONTACT:	Betty Socha
PHONE #	608-212-6664
EMAIL:	<a href="mailto:bsocha@scsengineers.com">bsocha@scsengineers.com</a>
JOB #	9000000

Well Details	
First Bedrock:	PDC
Aquifer:	Multi
Well Size:	10x6
Well Type:	Open Hole
Drilling Method:	Dual Rotary
Well Depth:	360'
Est. Work Days	8

#### Notes:

##### Scope of Work:

- Pull Pump and Equipment
- Video well to look for fractures in the Limestone adn verify casing depth.
- Clean Well out to original depth
- Install tremie pipe to the bottom of the well, install neat cement to 10' below inner casing depth. Add pearock as needed to fill fractures that consume neat cement.
- Overshoot 10" Casing with 16" Casing and Bit.
- Remove inner casings.
- Install neat cement into 16" hole and remove 16" casing.

Proposed Start Date: **July 20th, 2025**

Item No.	Description	Unit	Unit Price	QTY	Totals
<b>Drill Rig Operations</b>					
1	Mobilization/Demobilization/Setup	LS	\$ 22,475.00	1	\$ 22,475.00
2	Installing and Removing Drilling Tools (Tripping Rods)	HR	\$ 625.00	6	\$ 3,750.00
3	Remove loose formation from the well to original dept	HR	\$ 625.00	2	\$ 1,250.00
4	Furnish and Install Grouting Equipment	HR	\$ 625.00	4	\$ 2,500.00
5	Install Grout	CuYd	\$ 825.00	6	\$ 4,950.00
6	Bentonite Chips (if needed)	Bag	\$ 16.00	10	\$ 160.00
7	Furnish & Install Pearock as needed	CY	\$ 440.00	1	\$ 440.00
8	Drill and Drive 16" Overshoot Casing	LF	\$ 340.00	80	\$ 27,200.00
9	Baroid Quik-Gel Drilling Fluid	Bag	\$ 16.00	20	\$ 320.00
10	Custom 16"x10" Overshoot Bit, Materials and Fab.	LS	\$ 5,900.00	1	\$ 5,900.00
11	Extract Inner Casings	HR	\$ 625.00	8	\$ 5,000.00
12	Remove 16" Casing and Overshoot Bit after grouting	HR	\$ 625.00	3	\$ 1,875.00
13	Maintain Watertight Dumpster Container	LS	\$ 2,700.00	1	\$ 2,700.00
14	Vac Truck to Dispose of Drill Fluid	EA	\$ 1,800.00	2	\$ 3,600.00
15	Per-Diem and Road Expense (3-man crew)	NIGHT	\$ 600.00	6	\$ 3,600.00
16	Site Restoration and Clean Up	LS	\$ 3,220.00	1	\$ 3,220.00
<b>Pump Hoist Truck Operations</b>					
17	Mobilization/Demobilization/Setup	LS	\$ 1,400.00	1	\$ 1,400.00
18	Remove Pumping Equipment	HR	\$ 350.00	6	\$ 2,100.00
19	Crew Per-Diem (2-Man Crew)	NIGHT	\$ 400.00	1	\$ 400.00
20	Well Video	EA	\$ 1,800.00	1	\$ 1,800.00
				<b>TOTAL</b>	<b>\$ 94,640.00</b>

Customer Signature: \_\_\_\_\_

Representative of Traut Companies: *Travis Traut*



32640 County Road 133  
St. Joseph, MN 56374  
320-251-5090  
travist@trautcompanies.com

## Quote

### Project: Dane County Landfill #3 - Overshoot Well PW-E

DATE:	10/22/2025
NAME:	SCS Engineers
ADDRESS:	2830 Dairy Drive Madison, WI 53718-6751
CONTACT:	Betty Socha
PHONE #	608-212-6664
EMAIL:	<a href="mailto:bsocha@scsengineers.com">bsocha@scsengineers.com</a>
JOB #	9000000

Well Details	
First Bedrock:	PDC
Aquifer:	Multi
Well Size:	10x6
Well Type:	Open Hole
Drilling Method:	Dual Rotary
Well Depth:	455'
Est. Work Days	8

#### Notes:

##### Scope of Work:

- Pull Pump and Equipment
- Video well to look for fractures in the Limestone adn verify casing depth.
- Clean Well out to original depth
- Install tremie pipe to the bottom of the well, install neat cement to 10' below inner casing depth. Add pearock as needed to fill fractures that consume neat cement.
- Overshoot 10" Casing with 16" Casing and Bit.
- Remove inner casings.
- Install neat cement into 16" hole and remove 16" casing.

Proposed Start Date: **July 20th, 2025**

Item No.	Description	Unit	Unit Price	QTY	Totals
<b>Drill Rig Operations</b>					
1	Mobilization/Demobilization/Setup	LS	\$ 22,475.00	1	\$ 22,475.00
2	Installing and Removing Drilling Tools (Tripping Rods)	HR	\$ 625.00	7	\$ 4,375.00
3	Remove loose formation from the well to original dept	HR	\$ 625.00	2	\$ 1,250.00
4	Furnish and Install Grouting Equipment	HR	\$ 625.00	4	\$ 2,500.00
5	Install Grout	CuYd	\$ 825.00	8	\$ 6,600.00
6	Bentonite Chips (if needed)	Bag	\$ 16.00	10	\$ 160.00
7	Furnish & Install Pearock as needed	CY	\$ 440.00	1	\$ 440.00
8	Drill and Drive 16" Overshoot Casing	LF	\$ 340.00	65	\$ 22,100.00
9	Baroid Quik-Gel Drilling Fluid	Bag	\$ 16.00	20	\$ 320.00
10	Custom 16"x10" Overshoot Bit, Materials and Fab.	LS	\$ 5,900.00	1	\$ 5,900.00
11	Extract Inner Casings	HR	\$ 625.00	8	\$ 5,000.00
12	Remove 16" Casing and Overshoot Bit after grouting	HR	\$ 625.00	3	\$ 1,875.00
13	Maintain Watertight Dumpster Container	LS	\$ 2,700.00	1	\$ 2,700.00
14	Vac Truck to Dispose of Drill Fluid	EA	\$ 1,800.00	2	\$ 3,600.00
15	Per-Diem and Road Expense (3-man crew)	NIGHT	\$ 600.00	6	\$ 3,600.00
16	Site Restoration and Clean Up	LS	\$ 3,220.00	1	\$ 3,220.00
<b>Pump Hoist Truck Operations</b>					
17	Mobilization/Demobilization/Setup	LS	\$ 1,400.00	1	\$ 1,400.00
18	Remove Pumping Equipment	HR	\$ 350.00	6	\$ 2,100.00
19	Crew Per-Diem (2-Man Crew)	NIGHT	\$ 400.00	1	\$ 400.00
20	Well Video	EA	\$ 1,800.00	1	\$ 1,800.00
				<b>TOTAL</b>	<b>\$ 91,815.00</b>

Customer Signature: \_\_\_\_\_

Representative of Traut Companies: *Travis Traut*

**SCHEDULE C**  
**Well Construction and Geologic Logs**  
**for PW-C, D, and E**





Sample Nos. All Retained

Well name	Yahara Hills Golf Course Well #6 Blooming Grove Township
Owner	City of Madison
Address	351 West Wilson Street Madison, Wisconsin
Driller	Ace Well Drilling Co.
Engineer	Mead & Hunt, Inc. Madison, Wisconsin

County: \_\_\_\_\_  
Completed.... 3/18/70  
Field check W.G.S.  
Altitude.... 901' ETM  
Use..... Sanitary  
Static w.l. 44'  
Spec. cap... 1.4

R. 10E

Sec. 25

Location: SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , sec. 25, T7N, R10E      Quad. Cottage Grove 7 $\frac{1}{2}$ '

Samples from 0' to 890' Rec'd: 2/24/70 Studied by: M. Roshardt Issued: Jan. 1971

Formations: Drift, Prairie du Chien Group, Trempealeau Group, Tunnel City Group, Wonewoc Formation, Eau Claire Sandstone, Mt. Simon Sandstone

Remarks: Well tested for 12½ hours at 243 gpm with 172 feet of drawdown.

Samples are mixed-for more accurate definition of formations see electric log.

LOG OF WELL:

Well name: Yahara Hills Golf Course Well #6

Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics	
				Mode	Range		
P du C	160-165	Δo Ga	Dolomite	Yellow bn	M	Fn/M	Oolic. Ltl sand, oolic cht. Tr glauc, drusy quartz.
	165-170	○/ΔΔΔG	"	"	"	"	Oolic. Moh oolic cht. Ltl sand. Tr flte qtz, glauc, drusy qtz.
	170-175	ΔΔΔ G	"	"	"	"	Moh sand. Ltl oolic cht. Tr glauc, drusy quartz.
	175-180	G ΔΔ	"	"	"	"	Little oolic cht. sand. Tr glauc, floating quartz.
	180-185	Δ G Δ	"	"	"	"	Same
	185-190	Δ	"	"	"	"	Ltl floating qtz, sand. Trace white chert.
	190-195	G Δ	"	"	"	"	Trace white chert, glauconite, sand, floating quartz.
	195-200	G Δ	"	"	"	"	Same
T e m p	200-205	G	"	Orange bn	"	"	Trace glauconite, floating quartz.
	205-210	G	"	"	"	"	Same
	210-215	G	"	"	"	"	Same plus trace hematitic cement.
	215-220	G	"	"	"	"	Same
T U N N E	220-225	G/G	"	Pl. rd bn	"	"	Little glauconite, floating quartz. Slightly shaly.
	225-230	GG	"	"	"	"	Same
	230-235	G/G	"	"	"	"	"
	235-240	GG	"	"	"	"	"
L	240-245	GG	"	"	"	"	"
	245-250	G/G	"	"	"	"	"
	250-255	G/G	"	"	"	"	"
	255-260	G/G	"	"	"	"	"
C	260-265	G/G	"	"	"	"	"
	265-270	G/G	"	"	"	"	Little glauconite, floating quartz sand. Slightly shaly.
	270-275	GG/G	Sandstone	"	Fn & M	Vfn/C	Much dolomite cement. Little glauconite. Slightly shaly.
	275-280	GG/G	"	"	"	"	Same plus trace green shale.
I T Y	280-285	G/G	"	"	M	"	Same
	285-290	G/G	"	"	"	"	"
	290-295	G/G	"	"	M & C	"	"
	295-300	G/G	"	"	M	"	Much dolomite cement. Ltl glauc, gn shale. Slightly sh.
100	300-305	G/G	"	"	"	"	Same but no green shale.
	305-310	G/G	"	"	"	"	Same
	310-315	G/G	"	"	"	"	"
	315-320	G/G	"	"	M & C	"	"
W O N E W O C	320-325	—	"	Yl or gry	C	Fn/VC	Little dolomite.
	325-330	—	"	"	"	"	Same
	330-335	—	"	"	M	Fn/C	Little dolomite. Trace green shale.
	335-340	—	"	"	"	Vfn/C	Same
95	340-345	—	"	"	"	"	"
	345-350	—	"	"	"	"	Little dolomite cement. Trace green shale.
	350-355	—	"	"	M & C	"	Same
	355-360	—	"	"	M	Fn/C	Trace dolomite.
E C 10'	360-365	—	"	"	"	"	Same
	365-370	—	"	"	"	Vfn/C	"
	370-375	—	"	"	"	"	Little dolomite.
	375-380	—	Pink gray	M & C	Fn/C	"	"
Mt S I M O N	380-385	—	Yellow gry	C	"	"	"
	385-390	—	"	M & C	Fn/VC	"	"
	390-395	—	"	"	M	Fn/C	Little dolomite.
	395-400	—	"	M	Vfn/C	"	Little dolomite. Trace green shale.
400-405	400-405	—	"	M & C	"	"	Same
	405-410	—	NO SAMPLE	—	Driller	reports yellow sandstone.	"
	410-415	—	Sandstone	Yellow gry	M & C	Vfn/C	Trace dolomite, green shale.
	415-420	G/G	"	Pnk yl gry	Fn & M	"	Little dolomite, glauconite. Trace green shale.
420-425	420-425	G	"	"	"	"	Same
	425-430	—	Pink gray	M	"	"	Little dolomite.
	430-435	—	"	C	M/C	"	Little red gray shale. Trace dolomite.
	435-440	—	"	M	Vfn/C	"	Little dolomite. Trace shale.
440-445	440-445	—	"	M & C	Fn/C	"	Same
	445-450	—	"	"	"	"	"
	450-455	—	"	M	"	"	"
	455-460	—	"	"	Vfn/C	"	"
460-465	460-465	—	"	"	"	"	Trace dolomite.
	465-470	—	"	M & C	"	"	Same
	470-475	—	"	"	Fn/C	"	Little dolomite. Trace shale.
	475-480	—	"	M	"	"	Trace dolomite, shale.
480-485	480-485	—	"	"	"	"	Same
	485-490	—	"	M & C	Vfn/C	"	Trace dolomite.

Well name: Yahara Hills Golf Course Well #6

Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
				Mode	Range	
490-495		Sandstone	Pink gray	M	Vfn/C	Trace dolomite.
495-500		"	"	"	"	"
500-505		"	"	M & C	Vfn/VC	"
505-510		"	"	"	Vfn/C	"
510-515		"	"	M	"	"
515-520		"	"	"	"	"
520-525		"	"	"	"	Trace pyrite cement, dolomite.
525-530		"	"	"	"	Trace dolomite.
530-535		"	"	"	"	Same
535-540		"	"	"	Vfn/C	Trace pyrite cement, dolomite.
540-545		"	"	"	"	Trace dolomite.
545-550		"	"	"	"	Same
550-555		"	"	"	"	Little dolomite.
555-560		"	Tan	"	"	Little dolomite, dolomitic clay.
560-565		"	"	"	"	Much dolomite.
565-570		"	"	"	"	Little dolomite, dolomitic clay.
570-575		"	"	"	"	Same
575-580	G	Pl rd bn	"	"	"	Much dolomite. Trace glauconite.
580-585	G	"	"	"	"	Same
585-590	G	Orange bn	"	"	"	"
590-595	G	"	"	"	"	"
595-600	G	"	"	M & C	"	"
600-605		Pink gray	M	"	"	Little dolomite cement.
605-610		"	"	Vfn & M	"	Same
610-615		"	"	M	"	Trace dolomite cement, green shale.
615-620		"	"	"	"	Little dolomite cement.
620-625		"	"	"	"	Same
625-630		"	"	"	"	"
630-635		"	"	Vfn & M	Vfn/VC	Trace dolomite cement.
635-640		"	"	"	Vfn/C	Same
640-645		"	P1 rd gry	"	"	Much dolomite.
645-650		"	"	"	"	Same
650-655		"	"	"	"	"
655-660		"	"	"	"	"
660-665		"	Yellow gry	M	"	"
665-670		Pink gray	Vfn	"	"	Trace dolomite, green shale.
670-675		"	"	M	"	Little dolomite.
675-680		"	"	Vfn & M	"	Same
680-685		"	"	"	"	"
685-690		"	"	M	Vfn/VC	"
690-695		"	"	M & C	"	"
695-700		"	"	Vfn & C	"	Little dolomite. Trace green shale.
700-705		"	"	Vfn & M	Vfn/C	Much dolomite.
705-710		"	"	"	"	Same
710-715		"	"	"	"	"
715-720		"	"	"	"	"
720-725		"	"	"	"	"
725-730		P1 rd gry	M	Vfn/C	"	"
730-735		"	"	"	"	"
735-740		"	"	"	"	"
740-745		"	"	"	"	"
745-750		Pink gray	Vfn & C	"	"	"
750-755		"	"	M	"	"
755-760	Lim	"	Yl or gn	"	"	Little limonite.
760-765	Lim	"	"	"	"	Same
765-770	Lim	"	"	"	"	"
770-775		Pnk or gry	Vfn & M	"	"	Trace limonite.
775-780		"	"	M	Vfn/VC	Same
780-785		"	Yl gry	C & VNC	"	"
785-790		"	"	"	"	"
790-795		"	"	"	"	"
795-800		Pink gray	M	Vfn/C	"	"
800-805		"	"	"	"	Trace dolomite, green shale.
805-810		"	"	"	"	"
810-815		"	"	C	"	Trace dolomite, limonite.
815-820		"	"	M & C	"	Same

Well name: Yahara Hills Golf Course Well #6

Depths	Graphic Section	Rock Type	Color	Grain Size		'Miscellaneous Characteristics
				Mode	Range	
M 820-825		Sandstone	Pink gray	Fn	VFn/C	--
T 825-830		"	"	M	"	Trace dolomita.
S 830-835		"	Tan gray	"	"	Much dolomitic clay.
I 835-840		"	"	"	"	Same
M 840-845		"	Pnk or gry	"	VFn/VC	Little dolomitic-siliceous clay. Trace dolomite.
O 845-850		"	"	M & C	"	Same
N 850-855		"	"	C	"	"
855-860		"	Pink gray	M	"	--
860-865		"	Pnk or gry	C	"	Little dolomitic-siliceous clay.
865-870		"	Yl gray	"	Fn/VC	--
870-875		"	Pink gray	M	"	--
875-880		"	"	M & C	"	--
880-885		"	Pnk or gry	M	"	Trace limonite.
885-890		"	"	M & C	"	Same

END OF LOG

**PW-D**

## WELL CONSTRUCTOR'S REPORT

Well-6

7 1970

Yahara Well PW-D  
(aka PW-3) (DN985)STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
Box 450  
Madison, Wisconsin

DN-985

Well # 3

WHITE COPY - DIVISION'S COPY  
GREEN COPY - DRILLER'S COPY  
YELLOW COPY - OWNER'S COPY

Blooming Grove

DN-985

CHECK ONE

NAME

 Town Village City

Madison

Dane

MAY 19 1970

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available)

✓ Located in portions of Sec. 25 &amp; 36 T7N R10E

3. OWNER AT TIME OF DRILLING NW, NE, NW, NE, SE, SE, SE, sec 25

Yahara Hills Golf Course

4. OWNER'S COMPLETE MAIL ADDRESS

Madison, Wis.

Param # 77020, Dane Co. Misc. # 14

5. Distance in feet from well to nearest: BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN  
(Record answer in appropriate block) C. I. TILE C. I. TILE SEWER CONNECTED INDEPENDENT  
WASTE WATER DRAIN  
C. I. TILE

There was nothing there at time wells wer drilled

CLEAR WATER DRAIN SEPTIC TANK PRIVY SEEPAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE  
C. I. TILE

6. OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

none

7. Well is intended to supply water for:

sanitary &amp; drinking purposes

7. DRILLHOLE						10. FORMATIONS							
Dis. (in.)	From (ft.)	To (ft.)	Dis. (in.)	From (ft.)	To (ft.)	Kind						From (ft.)	To (ft.)
10	Surface	50				Clay						Surface	55
6	50	360				Limerock						55	185
3. CASING, LINER, CURBING, AND SCREEN						Red Schale						185	330
10	P.E. New black steel 35 lbs per ft.		Surface	48		White Sandstone						350	360
6	New black steel PE 19.45 lbs per ft.		0	73									
	18.97 ASTM - A53 End - B												

7. GROUT OR OTHER SEALING MATERIAL		Kind	From (ft.)	To (ft.)									
Cement & Water		Surface	50										

8. Well construction completed on 3-18 1970

1. MISCELLANEOUS DATA  
Pump test data attached GPMWell is terminated 13 inches above final grade  
below

Depth from surface to normal water level 48 ft.

Well disinfected upon completion Yes No

Depth to water level when pumping ft.

Well sealed watertight upon completion Yes No

Water sample sent to to be retested when final pumps are laboratory on: 19  
installed

Our opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

9. SIGNATURE

COMPLETE MAIL ADDRESS

10. Please do not write in space below

11. OLIFORM TEST RESULT GAS - 24 HRS. GAS - 48 HRS. CONFIRMED REMARKS

12. High capacity water supply approved 10/22/69

13. File Madison

14. ECR 11-60

15. M.E. Ostrom

16. 8/13/70

Well name Yahara Hills Golf Course Well #3  
Owner ... Blooming Grove Township Completed ... 3/18/70  
Address ... City of Madison Parks Dept. Field check. WGS-PGO  
Driller ... 704 East Gorham Street Altitude ... 900.2'  
Engineer ... Madison, Wisconsin Use ... Domestic  
Mead & Hunt Static w.l ... 48'  
Madison, Wisconsin Spec. cap ... 45

T	1	1
7	-	-
N	-	-
	-	-

Sec. 25

Sun Prairie 15',  
Quad. Madison East 7 1/2', Madison 15'

Location: NW 1/4, NE 1/4, NW 1/4, NE 1/4, SE 1/4, SE 1/4, sec. 25, T7N, R10E

Drill Hole					Casing & Liner Pipe or Curbing								
Dia.	from	to	Dia.	from	to	Dia.	Wgt. & Kind	from	to	Dia.	Wgt. & Kind	from	to
10"	0'	50'	6"	50'	360'	10"	P.E. New black steel 35 lbs per ft.	0'	48'	6"	New black steel P.E. 18.97 lbs per ft. ASTM A-53 Gr. B	+13"	73'

Grout: Kind from to

Cement & Water 0' 50'

Samples from 0' to 360' Rec'd: 2/13/70 Studied by: M. Roshardt Issued: Jan. 1971

Formations: Drift, Sinnipee Group, Prairie du Chien Group, Trempealeau Group, Tunnel City

Group, Wonewoc Sandstone

Remarks: W.G.S. Gamma, Resistivity, & Self-Potential Logs - 3/11/70.

LOG OF WELL:

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics				
					Mode	Range					
D R I F T	0-5	D R I F T 45' S i n 10' 50-55	Silt	Brown	Silt	--	Trace sand, soil.				
	5-10		Sand	Or red hn	M	Fn/VC	Little silt.				
	10-15		tt	tt	tt	tt	Same plus trace gravel.				
	15-20		tt	tt	tt	tt	Little silt. Few granules.				
	20-25		tt	Yl or gray	tt	tt	Little silt-clay. Few granules.				
	25-30		tt	tt	M & C	Vfn/C	Little silt-clay. Trace granules.				
	30-35		tt	tt	tt	tt	Trace silt-clay.				
	35-40		Sand	Yl bn gray	tt	tt	Much clay-silt matrix, cement.				
	40-45		Clay	Rd bn & gn	Clay	--	Little sand. Trace dolomite.				
	45-50		Dolomite	Gray	M	Fn/M	--				
P R A I R E du C H I E N	50-55		tt	tt	tt	tt	Very slightly shaly. Trace pyrite.				
	55-60		△/△	Tan gray	tt	tt	Little white-tan oolitic chert. Trace quartz sand.				
	60-65		△ G / A	tt	tt	tt	Same plus trace glauconite.				
	65-70		△ △ / G	tt	tt	tt	Same				
	70-75		G / △ △	tt	tt	tt	Same but little sand.				
	75-80		△ △ / A G	tt	tt	tt	Little white-oolitic chert. Trace sand, glauconite.				
	80-85		△ △ / G	tt	tt	tt	Same				
	85-90		△ △ / G	tt	tt	tt	Same but little sand.				
	90-95		△ △ / A G	tt	tt	tt	Same but trace sand.				
	95-100		△ / △ G	tt	tt	tt	Same				
	100-105		G △ / A	tt	tt	tt	Same				
	105-110		△ △ / G	tt	tt	tt	Little white chert, sand. Trace glauconite.				
	110-115		G △ / △ A	tt	tt	tt	Same				
	115-120		△ / △ G	tt	tt	tt	Much white chert. Little sand. Trace glauconite.				
	120-125		△ △ / △ G	tt	tt	tt	Little chert, floating quartz. Trace glauconite.				
	125-130		△ △ / G	tt	tt	tt	Little chert, sand. Trace glauconite.				
	130-135		△ △ / G	tt	tt	tt	Much chert. Little floating quartz. Trace glauconite.				
	135-140		△ △ / △ G	tt	tt	tt	Same				
	140-145		△ △ / △ G	tt	tt	tt	Little chert, sand. Trace glauconite, rd & gn shales.				
	145-150		△ △ / G	tt	tt	tt	Much chert. Trace sand, glauconite.				
	150-155		△ △ / G	tt	tt	tt	Same plus little green shale.				
	155-160		△ △ / △ G	tt	tt	tt					

Well name: Yahara Hills Golf Course Well #3

Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics	
				Mode	Range		
P. du C 155'	160-165	△△G	Dolomite	Tan gray	M	Fn/M	Little chert, sand. Trace glauconite, gn and rd shales.
	165-170	△△ G	"	"	"	"	Same
	170-175	△△ G	"	"	"	"	Little chert. Trace sand, glauconite, green shale.
	175-180	G △△	"	"	"	"	Same
	180-185	G △△	"	"	"	"	Same plus trace red shale.
	185-190	G △△	"	"	"	"	Little chert, red shale. Tr sand, glauconite, gn shale.
	190-195	G △△	"	"	"	"	Little chert. Trace glauconite, red shale, sand.
	195-200	G △△	"	"	"	"	Same
	200-205	G △	"	"	"	"	Mottled. Trace chert, glauconite.
	205-210	G △△	"	"	"	"	Mottled. Little chert. Trace glauconite, red shale.
T. R. E. M. P.	210-215	G △G	Red brown	"	"	"	Scaly. Little glauconite. Trace chert, sand.
	215-220	GGZZA	Shale	"	--	--	Little dolomite, glauconite. Trace chert, sand.
	220-225	G △ G	"	"	--	--	Little sand, glauconite. Trace chert, dolomite.
	225-230	G △ G	"	"	--	--	Same
	230-235	G △ G	"	"	--	--	"
	235-240	G △ G	"	"	--	--	"
	240-245	G △	"	"	--	--	"
	245-250	△△GG	"	"	--	--	Same but little dolomite.
	250-255	G △ G	"	"	--	--	Little sand, glauconite. Trace chert, dolomite.
	255-260	G △	"	"	--	--	Same
Gp. 65'	260-265	G A	Sandstone	Fn	Vfn/fn		Much shaly matrix. Trace glauconite, chert, dolomite.
	265-270	G A	"	"	"	"	Same
	270-275	G A	"	"	"	"	"
	275-280	G A	Pink brown	N	Vfn/C		Little shaly matrix. Trace dol, glauc, rd & gn sh, chrt.
	280-285	G A	"	"	M/C	Vfn/VC	Little shaly matrix, rd sh. Tr gn sh, glauc, chrt, dol.
	285-290	G A	"	"	M	Vfn/C	Same but trace red shale.
	290-295	G A	"	"	"	"	Same
	295-300	G A	"	"	Vfn/M		Trace shaly matrix, red shale, chert, dolomite.
	300-305	G A	"	"	Vfn/C		Trace matrix, red & green shale, dolomite, chert.
	305-310	G A	"	"	Vfn/M		Little matrix. Trace chert, red shale.
I. T. Y. 50'	310-315	G A	"	"	Vfn/C		Same
	315-320	G A	"	"	Fn & M	Vfn/M	"
	320-325	G A	"	"	Fn	Vfn/M	"
	325-330	"	"	C	Vfn/VC		Little red shale. Trace dolomite.
	330-335	"	"	M	Vfn/C		Trace dolomite, red shale, matrix.
	335-340	"	"	C	Vfn/VC		Same
	340-345	"	"	"	"	"	Little red shale. Trace dolomite.
	345-350	"	"	"	"	"	Same plus trace green shale.
	350-355	"	"	M	Vfn/C		Silty. Trace red & green shale.
	355-360	"	"	C	Vfn/VC		Trace red & green shale, dolomite.

END OF LOG





<b>Well Construction Report</b> <b>WISCONSIN UNIQUE WELL NUMBER</b>			<b>FF204</b>	<b>Drinking Water and Groundwater - DG/5</b> Department of Natural Resources, Box 7921 Madison WI 53707	Form 3300-077A			
Property Owner <b>YAHARA HILLS GOLF COURSE</b>			Phone #	1. Well Location				
Mailing Address <b>1402 WINGRA CREEK PARKWAY</b>				City of <b>MADISON</b>				
City <b>MADISON</b>		State <b>WI</b>	Zip Code <b>53715</b>	Street Address or Road Name and Number				
County <b>Dane</b>	Co. Permit #	Notification #		Completed <b>03-18-1970</b>	Subdivision Name			
Well Constructor (Business Name) <b>MARVIN HOLZEM</b>		Lic. # <b>637</b>	Facility ID # (Public Wells) <b>113065370</b>		Latitude / Longitude in Decimal Degree (DD) 43.03738 °N -89.25282 °W			
		Well Plan Approval #		Method Code GPS008				
Address <b>N9899 HWY 23 WISCONSIN DELLS WI 53965</b>		Approval Date (mm-dd-yyyy)		SE or Govt Lot # <b>25</b>	SE Section <b>7</b> Township <b>N</b> Range <b>10 E</b>			
Hicap Permanent Well #		Common Well #		Specific Capacity				
3. Well serves # of Non-community Heat Exchange # of drillholes		Hicap Well ? No Hicap Property ? No Hicap Potable ?		Reason for replaced or reconstructed well ?				
4. Potential Contamination Sources - ON REVERSE SIDE								
5. Drillhole Dimensions and Construction Method				8. Geology				
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole	Lower Open Bedrock	Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
10	Surface	50	No	Rotary - Mud Circulation .....	No			
6	50	455	No	Rotary - Air .....	No	C	CLAY	Surface 29
			No	Rotary - Air & Foam .....	No	L	LIMESTONE	29 265
			No	Drill-Through Casing Hammer		R	RED SHALE	265 345
			No	Reverse Rotary		I	WHITE SANDSTONE	345 455
			No	Cable-tool Bit ____ in. dia...	No			
				Dual Rotary .....				
			No	Temp. Outer Casing ____ in. dia				
			No	Removed? ____ depth ft. (If NO explain on back side)				
6. Casing, Liner, Screen				9. Static Water Level		11. Well Is		
Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly		From (ft.)	To (ft.)	40 ft. ____ ground surface	13 in. above grade		
10	NEW BLACK STEEL PE 35 LB/FT		Surface	34		Developed ? No		
6	NEW BLACK STEEL PE ASTM A53 18.47 LB/FT		0	57	Pumping level ____ ft. below surface	Disinfected ? Yes		
Dia. (in.)	Screen type, material & slot size		From (ft.)	To (ft.)	Pumping at ____ GP for ____ Hrs.	Capped ? Yes		
					Pumping Method ?			
7. Grout or Other Sealing Material				12. Notified Owner of need to fill & seal ?				
Method				Filled & Sealed Well(s) as needed? No				
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement				
CEMENT		Surface	50					
					13. Constructor / Supervisory Driller		Lic #	Date Signed
					MH			03-18-1970
					Drill Rig Operator		Lic or Reg #	Date Signed

**4a. Potential Contamination Sources**

Is the well located in floodplain ? No

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 06-17-2002

Created by: COLLEN

Updated On: 07-12-2021

Updated by: WGNHS Exchange

Well name Yahara Hills Golf Course Test  
Owner City of Madison  
Address 704 East Gorham Street  
Driller Ace Well Drilling  
Engineer Mead & Hunt  
Madison, Wisconsin

County: Dane  
Completed... 3/18/70  
Field check... WGS-PGO  
Altitude... 908' ETM  
Use... Domestic  
Static w.l... 40'  
Spec. cap... .65

R.10E  
T. -+ - -+--  
7. -+ - -+--  
N. -+ - -+--  
Sec. 25

Location: NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , sec. 25, T7N, R10E Quad. Sun Prairie 15'

Drill Hole					Casing & Liner Pipe or Casing								
Dia.	from	to	Dia.	from	to	Dia.	Wgt. & Kind	from	to	Dia.	Wgt. & Kind	from	to
10"	0'	50'				10"	P.E. New black steel 35 lbs per ft.	0'	34'	6"	New black steel 18.97 lbs per ft. ASTM-A53 Grade B	+13"	57'
6"	50'	455'											
Grout: Kind												from	to
Cement and Water												0'	50'

Samples from 0' to 455' Rec'd: 2/13/70 Studied by: M. Roshardt 0 - 455' Issued: Sept. 1970  
R. M. Peters 420'-425'  
Formations: Drift, Sinnipee Group, St. Peter Sandstone, Prairie du Chien Group, Trempealeau Group, Tunnel City Group, Wonewoc Sandstone  
Remarks: W.G.S. Gamma, Resistivity and Self-Potential logs - 3/11/70.

LOG OF WELL:

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics					
					Mode	Range						
D R I F T 25'	0-5		Clay	Tan brown	Clay	--	Very silty.					
	5-10		"	"	"	--	Same					
	10-15		Orange bn	"	"	--	Much sand. Trace silt, granules.					
	15-20		Sand	"	M	Vfn/M	Much silt-clay. Trace gravel.					
	20-25		"	"	"	"	Same					
S I N. Gp. 35'	25-30		Dolomite	Yellow bn	M	Fn/M	Little "caved?" sand, red speckling.					
	30-35		"	"	"	"	Little red speckling.					
	35-40		"	"	"	"	Trace pyrite, mottling, speckling.					
	40-45		"	"	"	"	Same					
	45-50		Gray	"	"	"	"					
ST. P E T E R 35'	50-55		"	"	"	"	"					
	55-60		"	"	"	"	"					
	60-65		Sandstone	"	"	Fn/C	Much "caved?" dolomite. Little pyrite and pyrite cement.					
	65-70		"	"	"	"	Same					
	70-75		"	"	"	"	"					
P du C Gp.	75-80		"	"	"	Vfn/C	Little dolomite. Trace pyrite, pyrite cement.					
	80-85		"	"	"	"	Same but trace dolomite.					
	85-90		"	"	"	"	Same					
	90-95		"	"	"	"	Same plus trace red shale.					
	95-100		Dolomite	"	M	Fn/M	Little green shale, white & oolitic chert. Tr. sand, pyr.					
P du C Gp.	100-105		"	"	"	"	Same but trace green shale.					
	105-110		"	"	"	"	Trace chert, sand, pyrite.					
	110-115		Tan gray	"	"	"	Same					
	115-120		Yellow tan	"	"	"	Much white chert. Trace sand, red speckling.					
	120-125		"	"	"	"	Trace white chert, green & gray shale, sand.					
P du C Gp.	125-130		"	"	"	"	Trace white chert, pyrite, sand.					
	130-135		"	"	"	"	Same plus trace red speckling.					
	135-140		"	"	"	"	Same					
	140-145		"	"	"	"	"					
	145-150		"	"	"	"	Trace white chert, sand.					
P du C Gp.	150-155		"	"	"	"	Trace white chert, sand, pyrite, Vfn glauconite.					
	155-160		G	"	"	"	"					

Well name: Yahara Hills Golf Course Test Hole #4

P. du C. 95'	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
					Mode	Range	
T	160-165	/△/ G	Dolomite	Yellow gray	M	Fn/M	Trace white chert, sand, pyrite, Vfn glauconite.
R	165-170	△/ G G	△	Gray	△	△	little Vfn glauconite. Trace sand, white chert.
E	170-175	/	△	△	△	△	Trace pyrite, sand.
M	175-180	/	△	Tan	△	△	—
P	180-185	/△/	△	△	△	△	Trace white chert, sand.
E	185-190	/△/	△	△	△	△	Same
A	190-195	/	△	△	△	△	Much sand. Little floating quartz.
L	195-200	△△/	△	Brown	△	△	Little white chert, floating quartz. Trace pyrite.
E	200-205	△△/	△	△	△	△	Much floating quartz. Little white chert.
M	205-210	/	Sandstone	Gray	M	Vfn/C	Much dolomite.
P	210-215	/	△	△	△	△	Much dolomite. Trace dolomite-pyrite cement, gn sh, chert.
E	215-220	/△/	△	△	△	△	Same.
A	220-225	/	△	△	M & C	Vfn/VC	Little dolomite, dolomite cement. Tr pyr cement, chert.
L	225-230	/△/	△	△	△	△	Same.
E	230-235	/	△	△	M	△	Little dolomite. Trace dolomite-pyrite cement, gn shala.
A	235-240	/	△	Yellow gray	△	△	Same
L	240-245	/	△	△	Fn & M	Vfn/C	Little dolomite, dolomite cement.
E	245-250	/	△	△	Fn	△	Same
A	250-255	/	△	△	△	△	Little dolomite.
U	255-260	/	△	△	Fn & M	△	Same
T	260-265	/ G	Dolomite	Pink gray	△	Fn/M	Mottled. Trace Vfn glauconite.
Y	265-270	/ G	△	△	△	△	Same
75'	270-275	G /	△	△	△	△	△
T	275-280	G / G /	Sandstone	Red brown	M	Vfn/r	Shaly. Much glauconite, dolomite cement.
U	280-285	G / G - G /	△	△	△	△	Same
N	285-290	G / G G /	△	△	△	△	—
N	290-295	G / - G /	△	△	△	△	Shaly. Much glauconite. Little dolomite cement.
E	295-300	G / G G /	△	△	Fn	△	Much glauconite. Little dolomite cement. Slightly shaly.
L	300-305	G / G G /	△	△	△	△	Same
C	305-310	G / G G /	△	△	△	△	—
I	310-315	G / G /	△	Pink brown	M	△	Little dolomite cement, glauconite. Tr red & green shales.
I	315-320	G / G /	△	△	△	△	Much dolomite cement. Little glauconite. Tr rd & gn sh.
T	320-325	G /	△	△	△	△	Same
Y	325-330	G /	△	Fn	△	△	Much green & red shale. Little dol cement. Tr glau.
75'	330-335	G /	△	△	△	△	Little dolomite cement. Trace shales, glauconite.
W	335-340	G /	△	△	△	△	Same
ONE	340-345	G /	△	△	△	△	Same but much dolomite cement.
NEW	345-350	G /	△	△	△	△	Little shales, dolomite cement. Trace glauconite.
OC	350-355	G /	△	Pink gray	Fn MM	Vfn/VC	Trace pyrite cement, dolomite, glauconite, green shale.
SAND	355-360	G /	△	△	Fn	△	Trace glauconite, green shale, dolomite cement.
STONE	360-365	G /	△	△	△	Vfn/C	—
105'	365-370	G /	△	△	Fn & M	△	Trace green shale.
	370-375	G /	△	White	M	△	Trace green shale, dolomite cement.
	375-380	G /	△	△	△	Vfn/VC	—
	380-385	G /	△	△	△	△	—
	385-390	G /	△	△	△	△	—
	390-395	G /	△	Yl gray	M	Fn/VC	Trace dolomite cement.
	395-400	G /	△	△	C	△	Same
	400-405	G /	△	△	△	△	—
	405-410	G /	△	△	△	△	—
	410-415	G /	△	△	M	Fn/C	—
	415-420	G /	△	△	C	△	—
	420-425	G /	△	△	Vfn/VC	—	Trace dolomite cement, green shale.
	425-430	G /	△	Sandstone	Yl gray	Fn	Trace dolomite cement.
	430-435	G /	△	White	C	Vfn/C	Trace dolomite cement.
	435-440	G /	△	△	M	△	Trace dolomite-pyrite cement, green shale.
	440-445	G /	△	△	Fn & M	△	Same
	445-450	G /	△	△	M	△	—
	450-455	G /	△	△	△	△	—

END OF LOG