

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	
☒	Dane County Contract
☐	Intergovernmental
☐	County Lessee
☐	County Lessor
☐	Purchase of Property
☐	Property Sale
☐	Grant
☐	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 Officer	Pete Patten		

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

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

Budget Amendment	
☐	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	☐ Contract does not exceed \$100,000		
	☒ Contract exceeds \$100,000 – resolution required.	Res #	265
	☒ A copy of the Resolution is attached to the contract cover sheet.	Year	2025

CONTRACT MODIFICATIONS – Standard Terms and Conditions		
☒ No modifications.	☐ Modifications and reviewed by:	☐ Non-standard Contract

APPROVAL	
Dept. Head / Authorized Designee	
Wienkes, Roxanne	Digitally signed by Wienkes, Roxanne Date: 2025.12.08 15:53:30 -06'00'

APPROVAL – Contracts Exceeding \$100,000	
Director of Administration	Corporation Counsel
	

APPROVAL – Internal Contract Review – Routed Electronically – Approvals Will Be Attached			
DOA:	Date In: 12/10/25	Date Out: _____	☒ Controller, Purchasing, Corp Counsel, Risk Management

Goldade, Michelle

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

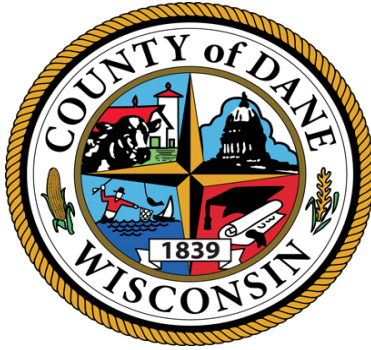
Please Note: I currently have a modified work schedule...I am in the office Mondays and Wednesdays and working remotely Tuesdays, Thursdays and Fridays.

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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. Cancellation 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:

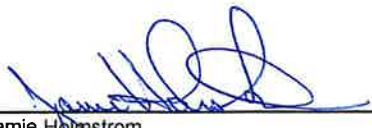
By signing this Contract, PROVIDER attests that it is not debarred from participating in federal procurements. COUNTY reserves the right to cancel this Contract if PROVIDER is presently, or is in the future, on the list of parties excluded from federal procurements.

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) 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:	bsocha@scsengineers.com
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 pearrock 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
Drill Rig Operations					
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 Pearrock 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
Pump Hoist Truck Operations					
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
TOTAL					\$ 173,510.00

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:	bsocha@scsengineers.com
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 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 pearrock 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
Drill Rig Operations					
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 depth	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 Pearrock 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
Pump Hoist Truck Operations					
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
TOTAL					\$ 94,640.00

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:	bsocha@scsengineers.com
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 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 pearrock 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
Drill Rig Operations					
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 depth	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 Pearrock 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
Pump Hoist Truck Operations					
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
TOTAL					\$ 91,815.00

Customer Signature: _____

Representative of Traut Companies: Travis Traut

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

PW-C

WELL CONSTRUCTOR'S REPORT

Well # 6

APR 7

Yahara Well PW-C
(aka PW-6) (DN988)

MAY 19 1970

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin

DN-988

Well # 6

COUNTY

CHECK ONE

NAME

Dane

☐ Town ☐ Village ☒ City

Madison

BLOOMING GROVE

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

in portions of Sec 25 & 36 T7N R10E

SE, SE, SE, NW, SW, SE, SE / Sec 25

OWNER AT TIME OF DRILLING

Yahara Hills Golf Course

OWNER'S COMPLETE MAIL ADDRESS

Madison, Wis.

Perm # 77023, Dane Co. Misc. #14

Distance in feet from well to nearest:
(Record answer in appropriate block)BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN WASTE WATER DRAIN
C.I. TILE C.I. TILE SEWER CONNECTED INDEPENDENT C.I. TILE
There was nothing else in at the time the wellLEAK WATER DRAIN SEPTIC TANK PRIVY SEEPAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE
C.I. TILE
was drilled

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

none

Well is intended to supply water for:

sanitary & drinking purposes

DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
18	Surface	29	10	750	890	Clay	Surface	29
12	60	750	17 1/4	29	60	Limestone	289	200

CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
18	new black steel P. E. 70.59 lbs per ft.	Surface	29	Red Schale	200	285
12	new black steel P. E. 49.56 lbs per ft.	0	65	White sandstone	285	370
	ASTM - A53 Grade B			Yellow sandstone	370	420
				White sandstone	420	890

GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
cement & water	Surface	50

I. MISCELLANEOUS DATA

field test:	Hrs. at	GPM	Well construction completed on	3-18	19 70
pump test data attached			Well is terminated	13	inches ☒ above final grade ☐ below
depth from surface to normal water level	44	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 installed	on:			19

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, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

COMPLETE MAIL ADDRESS

Registered Well Driller

R. # 1, Box 105, Oxford, Wis.

Please do not write in space below

774062 plot

UNIFORM TEST RESULT

GAS - 24 HRS.

GAS - 48 HRS.

CONFIRMED

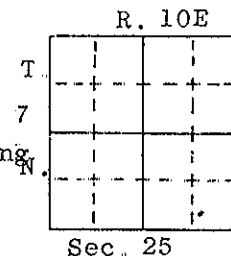
REMARKS

High Capacity Water Supply Approved 10/22/69
File Madisoncc: M.E. Ostrom
8/13/70

EV. 11-6A

Well name Yahara Hills Golf Course Well #6 County: Dane
Blooming Grove Township Completed... 3/18/70
Owner... City of Madison Field check... W.G.S.
Address... 351 West Wilson Street Altitude... 901' ETM
Madison, Wisconsin Use... Sanitary & drinking
Driller... Ace Well Drilling Co. Static w.l... 44'
Engineer... Mead & Hunt, Inc. Spec. cap... 1.4
Madison, Wisconsin

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 $\frac{1}{2}$ '



Drill Hole						Casing & Liner Pipe or Curbing							
Dia.	from	to	Dia.	from	to	Dia.	Wgt. & Kind	from	to	Dia.	Wgt. & Kind	from	to
18"	0'	29'	10"	750'	890'	18"	New black steel P.E. 70.59 lbs per ft.	0'	29'	12"	New black steel P.E. 49.56 lbs per ft. Grade B ASTM-A53	13"	65'
12"	60'	750'	17 $\frac{1}{4}$ "	29'	60'								
Grout: Kind												from	to
Cement & water												0'	50'

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 12 $\frac{1}{2}$ hours at 243 gpm with 172 feet of drawdown.
W.G.S. Resistivity, Gamma, & Self Potential Logs - 3/23/70.
Samples are mixed-for more accurate definition of formations see electric log.

LOG OF WELL:

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
					Mode	Range	
D R I F T	0-5		Sand	Orange bn	M & C	Vfn/VC	Little silt-clay. Trace granules.
	5-10		"	"	M	"	Same
	10-15		"	"	"	"	Same plus trace gravel.
	15-20		"	"	C	"	Same but no gravel.
	20-25		Gravel	"	S pab	Gran/M pab	Much sand. Little silt-clay.
P R A I R I E	25-30		"	"	Gran	"	Little sand, silt-clay.
	30-35		Dolomite	Yellow bn	M	Fn/M	Trace gray chert, glauconite.
	35-40		"	"	"	"	Much gray & white chert. Trace glauconite.
	40-45		"	"	"	"	Trace white chert, drusy quartz, glauconite.
	45-50		"	"	"	"	Trace white and orange chert.
	50-55		"	"	"	"	Little gray, white, & orange cht. Tr drusy quartz.
	55-60		"	"	"	"	Little white, gray chert. Trace glauconite.
	60-65		"	"	"	"	Little white chert. Trace glauconite.
	65-70		"	"	"	"	Same
	70-75		"	"	"	"	Little white, gray chert. Trace calcite-quartz crystals.
	75-80		"	"	"	"	Trace white, oolitic gray chert, glauconite.
	80-85		"	"	"	"	Little white, gray chert. Trace glauconite.
	85-90		"	"	"	"	Little floating quartz. Trace white chert, glauconite.
	90-95		"	"	"	"	Little white chert. Trace glauconite, sand.
	95-100		"	"	"	"	Trace white chert, glauconite, sand.
C H I E N	100-105		"	"	"	"	Same
	105-110		"	"	"	"	"
	110-115		"	"	"	"	Little white chert. Trace glauconite, sand.
	115-120		"	"	"	"	Same
	120-125		"	"	"	"	Slightly oolitic. Trace white, oolitic cht, glauc, sand.
	125-130		"	"	"	"	Trace white, oolitic chert, glauc, drusy qtz, sand.
	130-135		"	"	"	"	Same
	135-140		"	"	"	"	Sigt opic. Ltl wh, oolc cht. Tr fltg qtz, glauc, drusy qtz.
	140-145		"	"	"	"	Little white, oolitic cht, floating qtz. Tr glauconite.
	145-150		"	"	"	"	Oolc. Moh oolc cht. Ltl fltg qtz. Tr glauc, drusy qtz.
U P	150-155		"	"	"	"	Moh oolc cht. Ltl sand. Tr fltg qtz, glauc, drusy quartz.
	155-160		"	"	"	"	Same but much sand.

Well name: Yahara Hills Golf Course Well #6

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
					Mode	Range	
P d u C	160-165		Dolomite	Yellow bn	M	Fn/M	Oolic. Ltl snd, oolic cht. Tr glauc, drusy quartz.
	165-170		"	"	"	"	Oolic. Moh oolic cht. Ltl snd. Tr fltz qtz, glauc, dray qtz.
	170-175		"	"	"	"	Moh snd. Ltl oolic cht. Tr glauc, drusy quartz.
	175-180		"	"	"	"	Little oolic cht. sand. Tr glauc, floating quartz.
	180-185		"	"	"	"	Same
170	185-190		"	"	"	"	Ltl floating qtz, sand. Trace white chert.
	190-195		"	"	"	"	Trace white chert, glauconite, sand, floating quartz.
	195-200		"	"	"	"	Same
	200-205		"	Orange bn	"	"	Trace glauconite, floating quartz.
	205-210		"	"	"	"	Same
20	210-215		"	"	"	"	Same plus trace hematitic cement.
	215-220		"	"	"	"	Same
	220-225		"	Pl rd bn	"	"	Little glauconite, floating quartz. Slightly shaly.
	225-230		"	"	"	"	Same
	230-235		"	"	"	"	"
T U N N E L	235-240		"	"	"	"	"
	240-245		"	"	"	"	"
	245-250		"	"	"	"	"
	250-255		"	"	"	"	"
	255-260		"	"	"	"	"
C I T Y	260-265		"	"	"	"	"
	265-270		"	"	"	"	"
	270-275		Sandstone	"	Fn & M	Vfn/C	Little glauconite, floating quartz sand. Slightly shaly.
	275-280		"	"	"	"	Much dolomite cement. Little glauconite. Slightly shaly.
	280-285		"	"	M	"	Same plus trace green shale.
100	285-290		"	"	"	"	Same
	290-295		"	"	M & C	"	"
	295-300		"	"	M	"	"
	300-305		"	"	"	"	Much dolomite cement. Ltl glauc, gn shale. Slightly shv.
	305-310		"	"	"	"	Same but no green shale.
W O N E W O C	310-315		"	"	"	"	Same
	315-320		"	"	M & C	"	"
	320-325		"	Yl or grv	C	Fn/VC	Little dolomite.
	325-330		"	"	"	"	Same
	330-335		"	"	M	Fn/C	Little dolomite. Trace green shale.
95'	335-340		"	"	"	Vfn/C	Same
	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	--
	380-385		"	Yellow gry	C	"	--
Mt S I M O N	385-390		"	"	M & C	Fn/VC	--
	390-395		"	"	"	Fn/C	Little dolomite.
	395-400		"	"	M	Vfn/C	Little dolomite. Trace green shale.
	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		"	Pnk yl gry	Fn & M	"	Little dolomite, glauconite. Trace green shale.
	420-425		"	"	"	"	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		"	"	M & C	Fn/C	Same
	445-450		"	"	"	"	"
	450-455		"	"	M	"	"
	455-460		"	"	"	Vfn/C	"
	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		"	"	"	"	Same
	485-490		"	"	"	Vfn/C	Trace dolomite.

Well name: Yahara Hills Golf Course Well #6

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
					Mode	Range	
M T S I M O N	490-495		Sandstone	Pink gray	M	Vfn/C	Trace dolomite.
	495-500		"	"	"	"	"
	500-505		"	"	M & C	Fn/VC	"
	505-510		"	"	"	Fn/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.
S A N D S T O N E	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		"	Pl rd bn	"	"	Much dolomite. Trace glauconite.
	580-585		"	"	"	"	Same
	585-590		"	Orange bn	"	"	"
	590-595		"	"	"	"	"
	595-600		"	"	M & C	"	"
	600-605		"	Pink gray	M	"	Little dolomite cement.
	605-610		"	"	Fn & M	"	Same
	610-615		"	"	M	"	Trace dolomite cement, green shale.
	615-620		"	"	"	"	Little dolomite cement.
	620-625		"	"	"	"	Same
	625-630		"	"	"	"	--
	630-635		"	"	Fn & M	Vfn/VC	Trace dolomite cement.
	635-640		"	"	"	Vfn/C	Same
	640-645		"	Pl rd gry	"	"	Much dolomite.
	645-650		"	"	"	"	Same
	650-655		"	"	"	"	"
	655-660		"	"	"	"	"
	660-665		"	Yellow gry	M	"	"
	665-670		"	Pink gray	Fn	"	Trace dolomite, green shale.
	670-675		"	"	M	"	Little dolomite.
	675-680		"	"	Fn & M	"	Same
	680-685		"	"	"	"	"
	685-690		"	"	M	Vfn/VC	"
	690-695		"	"	M & C	"	"
	695-700		"	"	Fn & C	"	Little dolomite. Trace green shale.
	700-705		"	"	Fn & M	Vfn/C	Much dolomite.
	705-710		"	"	"	"	Same
	710-715		"	"	"	"	"
	715-720		"	"	"	"	"
	720-725		"	"	"	"	"
	725-730		"	Pl rd gry	M	Fn/C	"
	730-735		"	"	"	"	"
	735-740		"	"	"	"	"
	740-745		"	"	"	"	"
	745-750		"	Pink gray	Fn & C	"	"
	750-755		"	"	M	"	"
	755-760	Lim	"	Yl or gn	"	"	Little limonite.
	760-765	Lim	"	"	"	"	Same
	765-770		"	"	"	"	"
	770-775		"	Pnk or gry	Fn & M	"	Trace limonite.
	775-780		"	"	M	Fn/VC	Same
	780-785		"	Yl gry	C & VC	"	--
	785-790		"	"	"	"	--
	790-795		"	"	"	"	--
	795-800		"	Pink gray	M	Fn/C	--
	800-805		"	"	"	"	Trace dolomite, green shale.
	805-810		"	"	"	"	--
	810-815		"	"	C	"	Trace dolomite, limonite.
	815-820		"	"	M & C	"	Same

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PW-D

WELL CONSTRUCTOR'S REPORT

Well-6

7 1970.

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

DN-985

Well # 3

MAY 19 1970

1. COUNTY Dane CHECK ONE ☐ Town ☐ Village ☒ City Madison BLOOMING GROVE

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 & 26 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. Perm # 77020, Dane Co. Misc. # 14

5. Distance in feet from well to nearest: BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN WASTE WATER DRAIN
C.I. TILE C.I. TILE SEWER CONNECTED INDEPENDENT C.I. TILE
(Record answer in appropriate block)
There was nothing there at time wells were drilled

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

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

none

5. Well is intended to supply water for:

sanitary & drinking purposes

7. DRILLHOLE

Dis. (in.)	From (ft.)	To (ft.)	Dis. (in.)	From (ft.)	To (ft.)
10	Surface	50			
6	50	360			

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	55
Limerock	55	185
Red Schale	185	330
White Sandstone	330	360

3. CASING, LINER, CURBING, AND SCREEN

Dis. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	P.E. New black steel 35 lbs per ft.	Surface	48
6	New black steel PE 19.45 lbs per ft.	0	73
	18.97 ASTM-A53 Grade B		

6. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Cement & Water	Surface	50

7. MISCELLANEOUS DATA

Field test: Pump test data attached Hrs. 31 GPM

Well construction completed on 3-18 1970

Well 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 48 ft. Well sealed watertight upon completion ☒ Yes ☐ No

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

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, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

COMPLETE MAIL ADDRESS

Maurice Hansen

Registered Well Driller

R. # 1, Bbx 105, Oxford, Wis.

Please do not write in space below

100' 902' 775103 Plot

COLIFORM TEST RESULT

GAS - 24 HRS.

GAS - 48 HRS.

CONFIRMED

REMARKS

High Capacity water supply Approved 10/22/69
File Madison

cc: M.E. Ostrom

E/13/70

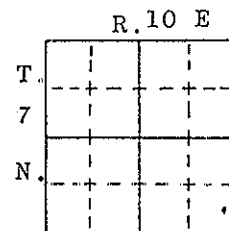
9327

RE-11-68

Well name: Yahara Hills Golf Course Well #3
Owner: City of Madison Parks Dept.
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: 900.2'
Use: Domestic
Static w.l.: 48'
Spec. cap.: 45

Location: NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 25, T7N, R10E
Sun Prairie 15', Madison East 7 $\frac{1}{2}$ ', Madison 15'



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		Silt	Brown	Silt	--	Trace sand, soil.
	5-10		Sand	Or red bn	M	Fn/VC	Little silt.
	10-15		"	"	"	"	Same plus trace gravel.
	15-20		"	"	"	"	Little silt. Few granules.
	20-25		"	Yl or gry	"	"	Little silt-clay. Few granules.
	25-30		"	"	M & C	Vfn/C	Little silt-clay. Trace granules.
	30-35		"	"	"	"	Trace silt-clay.
	35-40		Sand	Yl bn gry	"	"	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 I E d u C H I E N	50-55		"	"	"	"	Very slightly shaly. Trace pyrite.
	55-60		"	Tan gray	"	"	Little white-tan oolitic chert. Trace quartz sand.
	60-65		"	"	"	"	Same plus trace glauconite.
	65-70		"	"	"	"	Same
	70-75		"	"	"	"	"
	75-80		"	"	"	"	Same but little sand.
	80-85		"	"	"	"	Little white-oolitic chert. Trace sand, glauconite.
	85-90		"	"	"	"	Same
	90-95		"	"	"	"	Same but little sand.
	95-100		"	"	"	"	Same but trace sand.
	100-105		"	"	"	"	Same
	105-110		"	"	"	"	"
	110-115		"	"	"	"	Little white chert, sand. Trace glauconite.
	115-120		"	"	"	"	Same
	120-125		"	"	"	"	Much white chert. Little sand. Trace glauconite.
	125-130		"	"	"	"	Little chert, floating quartz. Trace glauconite.
	130-135		"	"	"	"	Little chert, sand. Trace glauconite.
	135-140		"	"	"	"	Much chert. Little floating quartz. Trace glauconite.
	140-145		"	"	"	"	Same
	145-150		"	"	"	"	Little chert, sand. Trace glauconite, rd & gn shales.
	150-155		"	"	"	"	Much chert. Trace sand, glauconite.
	155-160		"	"	"	"	Same plus little green shale.

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PW-E

WELL CONSTRUCTOR'S REPORT

Well-6

7 1970

Yahara Well PW-E
(aka PW-4) (DN986)

PW-E

DN-986

MAY 19 70

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCESBox 450
Madison, Wisconsin

DN-986

COUNTY Dane CHECK ONE ☐ Town ☐ Village ☒ City Madison NAME BLOOMING GROVE

LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)
☒ in portions of Sec. 25 & X T1N R1OE NE, NW, NW, NE, SE, SE, SE, Sec. 25

OWNER AT TIME OF DRILLING
Yahara Hills Golf Course

OWNER'S COMPLETE MAIL ADDRESS
Madison, Wisc.

Distance in feet from well to nearest: BUILDING C.I. TILE SANITARY SEWER FLOOR DRAIN C.I. TILE FOUNDATION DRAIN SEWER CONNECTED INDEPENDENT WASTE WATER DRAIN C.I. TILE
There was nothing else here at time wells were drilled

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

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
none

Well is intended to supply water for:
sanitary & drinking purposes

DRILLHOLE						10. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	50				Clay	Surface	29	
6	50	455				limestone	29	265	
CASING, LINER, CURBING, AND SCREEN						red schale	265	345	
10	P.E. New black steel 35 lbs per ft.	Surface	34			white sandstone	345	455	
6	New black steel 19.45 lbs per ft.	0	57						
	18.97 ASTM - #53								
	surf 1								
GROUT OR OTHER SEALING MATERIAL									
	Cement & water	Surface	50						

MISCELLANEOUS DATA

old test: Hrs. at GPM Well construction completed on 3-18 1970

Map test data attached Well is terminated 13 inches ☒ above final grade ☐ below

Depth from surface to normal water level 40 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 be retested when final pumps are installed laboratory on: 19

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, sub-surface pumprooms, access pits, etc., should be given on reverse side.

NATURE Yahara Hills Golf Course COMPLETE MAIL ADDRESS R. # 1, Box 105, Oxford, Wis.

Registered Well Driller R. # 1, Box 105, Oxford, Wis.

9326 Please do not write in space below

WATER TEST RESULT GAS - 24 HRS. GAS - 48 HRS. CONFIRMED 774063 plot

High capacity water supply Approved 10/22/67

File Madison

REMARKS CCI ME. Ostrom 8/18/70

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

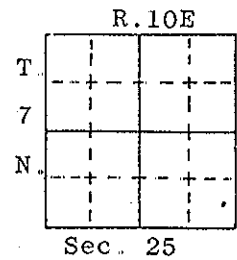
Updated On: 07-12-2021

Updated by: WGNHS Exchange

Well name Yahara Hills Golf Course Test
Hole #4 - Blooming Grove Town-
Owner City of Madison ship
Address 704 East Gorham Street
Madison, Wisconsin
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



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

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'				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	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.
25'	20-25		"	"	"	"	Same
S I N N I P E E	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
G P P R I E D U C H I E N	45-50		"	Gray	"	"	"
	50-55		"	"	"	"	"
	55-60		"	"	"	"	"
	60-65		Sandstone	"	"	Fn/C	Much "caved" dolomite. Little pyrite and pyrite cement.
S T P E T E R	65-70		"	"	"	"	Same
	70-75		"	"	"	"	"
	75-80		"	"	"	Vfn/C	Little dolomite. Trace pyrite, pyrite cement.
	80-85		"	"	"	"	Same but trace dolomite.
W O N E W O C	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.
	100-105		"	"	"	"	Same but trace green shale.
P R A I R I E	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.
T U N N E L	125-130		"	"	"	"	Trace white chert, pyrite, sand.
	130-135		"	"	"	"	Same plus trace red speckling.
	135-140		"	"	"	"	Same
	140-145		"	"	"	"	"
G R A N I T E	145-150		"	"	"	"	"
	150-155		"	Gray	"	"	Trace white chert, sand.
	155-160		"	"	"	"	Trace white chert, sand, pyrite, Vfn glauconite.

Well name: Yahara Hills Golf Course Test Hole #4

	Depths	Graphic Section	Rock Type	Color	Grain Size		Miscellaneous Characteristics
					Mode	Range	
P du C 95'	160-165		Dolomite	Yellow gry	M	Fn/M	Trace white chert, sand, pyrite, Vfn glauconite.
	165-170		"	Gray	"	"	Little Vfn glauconite. Trace sand, white chert.
	170-175		"	"	"	"	Trace pyrite, sand.
	175-180		"	Tan	"	"	--
	180-185		"	"	"	"	Trace white chert, sand.
	185-190		"	"	"	"	Same
	190-195		"	"	"	"	Much sand. Little floating quartz.
	195-200		"	Brown	"	"	Little white chert, floating quartz. Trace pyrite.
	200-205		"	"	"	"	Much floating quartz. Little white chert.
	205-210		Sandstone	Gray	M	Vfn/C	Much dolomite.
T R E M P E A L E A U 85'	210-215		"	"	"	"	Much dolomite. Trace dolomite-pyrite cement, gn sh, chert.
	215-220		"	"	"	"	Same
	220-225		"	"	M & C	Vfn/VC	Little dolomite, dolomite cement. Tr pyr cement, chert.
	225-230		"	"	"	"	Same
	230-235		"	"	M	"	Little dolomite. Trace dolomite-pyrite cement, gn shale.
	235-240		"	Yellow gry	"	"	Same
	240-245		"	"	Fn & M	Vfn/C	Little dolomite, dolomite cement.
	245-250		"	"	Fn	"	Same
	250-255		"	"	"	"	Little dolomite.
	255-260		"	"	Fn & M	"	Same
T U N N E L C I T Y 75'	260-265		Dolomite	Pink gray	"	Fn/M	Mottled. Trace Vfn glauconite.
	265-270		"	"	"	"	Same
	270-275		"	"	"	"	"
	275-280		Sandstone	Red brown	M	Vfn/C	Shaly. Much glauconite, dolomite cement.
	280-285		"	"	"	"	Same
	285-290		"	"	"	"	"
	290-295		"	"	"	"	Shaly. Much glauconite. Little dolomite cement.
	295-300		"	"	Fn	"	Much glauconite. Little dolomite cement. Slightly shaly.
	300-305		"	"	"	"	Same
	305-310		"	"	"	"	"
W O N E O C S A N D S T O N E 105'	310-315		"	Pink brown	M	"	Little dolomite cement, glauconite. Tr red & green shales.
	315-320		"	"	"	"	Much dolomite cement. Little glauconite. Tr rd & gn sh.
	320-325		"	"	"	"	Same
	325-330		"	"	Fn	"	Much green & red shale. Little dol cement. Tr glauc.
	330-335		"	"	"	"	Little dolomite cement. Trace shales, glauconite.
	335-340		"	"	"	"	Same
	340-345		"	"	"	"	Same but much dolomite cement.
	345-350		"	"	"	"	Little shales, dolomite cement. Trace glauconite.
	350-355		"	Pink gray	Fn & M	Vfn/VC	Trace pyrite cement, dolomite, glauconite, green shale.
	355-360		"	"	Fn	"	Trace glauconite, green shale, dolomite cement.
	360-365		"	"	"	Vfn/C	--
	365-370		"	"	Fn & M	"	Trace green shale.
	370-375		"	White	M	"	Trace green shale, dolomite cement.
	375-380		"	"	"	Vfn/VC	--
	380-385		"	"	"	"	--
	385-390		"	"	"	"	--
	390-395		"	Yl gray	M	Fn/VC	Trace dolomite cement.
	395-400		"	"	C	"	Same
	400-405		"	"	"	"	"
	405-410		"	"	"	"	"
	410-415		"	"	M	Fn/C	"
	415-420		"	"	C	"	"
	420-425		"	"	"	Vfn/VC	Trace dolomite cement, green shale.
	425-430		Sandstone	Yl gray	Fn	Vfn/C	Trace dolomite cement.
	430-435		"	White	C	"	Trace dolomite-pyrite cement, green shale.
	435-440		"	"	M	"	Same
	440-445		"	"	Fn & M	"	--
	445-450		"	"	M	"	--
	450-455		"	"	"	"	--
			END OF LOG				