

WATER PERMIT NO. 6510-3

Name of Applicant: City of Madison

Address: 116 W Center, Madison SD 57042

Phone: 605 256-7513

Amount of Water Claimed: 339 AF

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: municipal

County: Lake

Type of Waste Disposal System:

Location:

PRIORITY

Date Received: 5-21-04

Application/License Fee: \$300

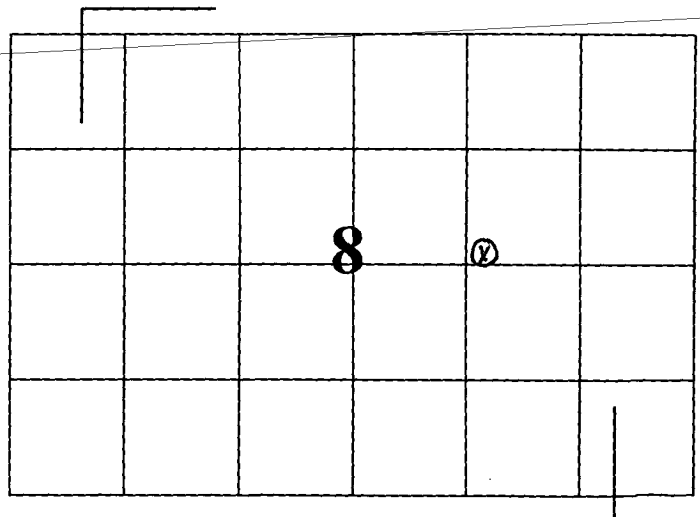
Corrected Application Received:

Period of Annual Use: Jan 1- Dec 31

Remarks: Place to beneficial use water reserved by Future Use Permit No. 747-3

Diversion Point: SE ¼ NE ¼ Sec 8-T106N-R52W

Land to be Irrigated:



Depth of Well: 38 feet deep

Well Driller:

Remarks:

Type of Map: topo

Prepared by: Bill Heyer, PE

Reviewed and the Number Assigned on: 5-25-04

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

RECEIVED

MAY 21 2004

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6510-3</u> (office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>
	Newspaper <u>Madison Daily Leader, Madison</u>

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

- | | | | |
|---|---|--|--|
| ☒ Municipal | ☐ Suburban Housing | ☐ Recreational | ☐ Institutional |
| ☐ Rural Water System | ☐ Commercial | ☐ Fish & Wildlife | ☐ Geothermal Heat |
| ☐ Domestic (over 18 gpm) | ☐ Industrial | ☐ Other | |

Type of Application: (check one)

- ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☒ Place to Beneficial Use Water Reserved by Future Use Permit No. 747-3
☐ Amendment/Correction to Permit No. _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name of Applicant City of Madison, South Dakota Phone (605) 256-7513
(check one) ☐ Owner ☐ Tenant/lessee
Mailing Address 116 West Center Madison State SD 57042
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0.78 *CFS or 350 **GPM 339 ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Northern Skunk Creek Aquifer
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) Lake
One well in NE 1/4 section 8-T160N-R53W
(SE 1/4 NE 1/4) T106N-R52W
- County or counties where water will be used Lake
- Annual period during which water is to be used Year-round use Jan 1 - Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

The well is to be constructed in order to increase the water supply capacity to match water demands

STATE OF SOUTH DAKOTA

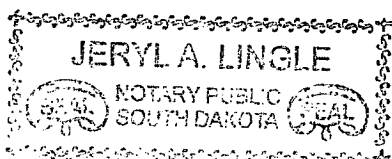
County of Lake SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Royce D. Hueneers, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Royce D. Hueneers

Subscribed and sworn to before me this 18th day of May 2004



Jeryl A. Lingle
Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 6510-3**

Date of first receipt of application May 21, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6510-3 to the City of Madison, 116 W Center, Madison SD 57042 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6510-3 authorizes the withdrawal of 0.78 cubic feet of water per second (cfs) (339 acre-feet annually) from one well (Big Sioux-Northern Skunk Creek) 38 feet deep located in the SE ¼ NE ¼ Section 8-T106N-R52W. This water was appropriated and reserved by Future Use Permit No. 747-3.
2. The water appropriated shall be for the purpose of municipal use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 6510-3 is July 26, 2004.
5. The date from which applicant may claim right is November 10, 1960 (established by Future Use Permit No. 747-3).
6. One-fifth of the construction is to be completed on or before January 26, 2007.
7. All construction is to be completed on or before July 26, 2009.
8. ~~Water is to be put to beneficial use on or before July 26, 2013.~~
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6510-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Permit No. 6510-3 authorizes a total annual diversion of 339 acre feet of water.
4. The City of Madison shall report to the Chief Engineer annually the amount of water withdrawn from the Big Sioux - Northern Skunk Creek Aquifer.

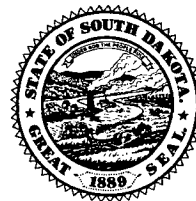
WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 13 2004

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 28" Depth 38'
- b) Casing Type Steel Pipe Diameter 12" Thickness .3125"
- c) Screen Type Stainless Steel Diameter 12" Thickness
- d) Gravel Pack Yes Length of Gravel Pack 26'
- e) Depth to Top of Water Bearing Material 6'
- f) Depth to Water (ground surface to water level) 14'
- g) Distance to nearest existing domestic well:
On applicants property 2050' On property owned by others unknown

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field)
- b) System Capacity (gallons) Year Constructed
- c) Connected to the City of Sanitary System

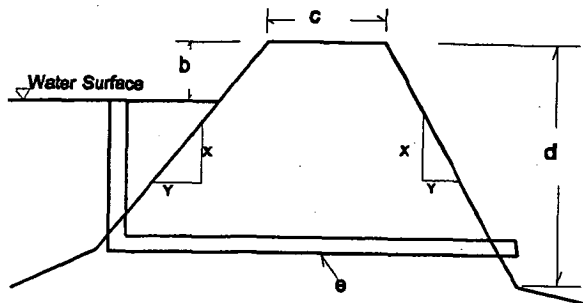
3. Dugout Information

- a) Surface Dimensions Depth
- b) Depth to water (ground surface to water level)

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard
- c) Crest Width
Crest Length
- d) Height
- e) Primary Outlet Capacity
If pipe, diameter
- f) Secondary Spillway Capacity
Spillway Width
- g) X & Y Slope
Upstream
Downstream
- h) Surface Area of Impoundment
- i) Storage Acre Feet
- j) Drainage Area Above Dam Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date May 25, 20 04

RECEIVED OF Finance Officer, City of Madison, PO Box 300, Madison SD 57042

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6510-3</u> to Appropriate Water, to construct and to put water to beneficial use	250	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>6510-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	300.00

No.

005492

By

Daniel E. Eide

Chief Engineer

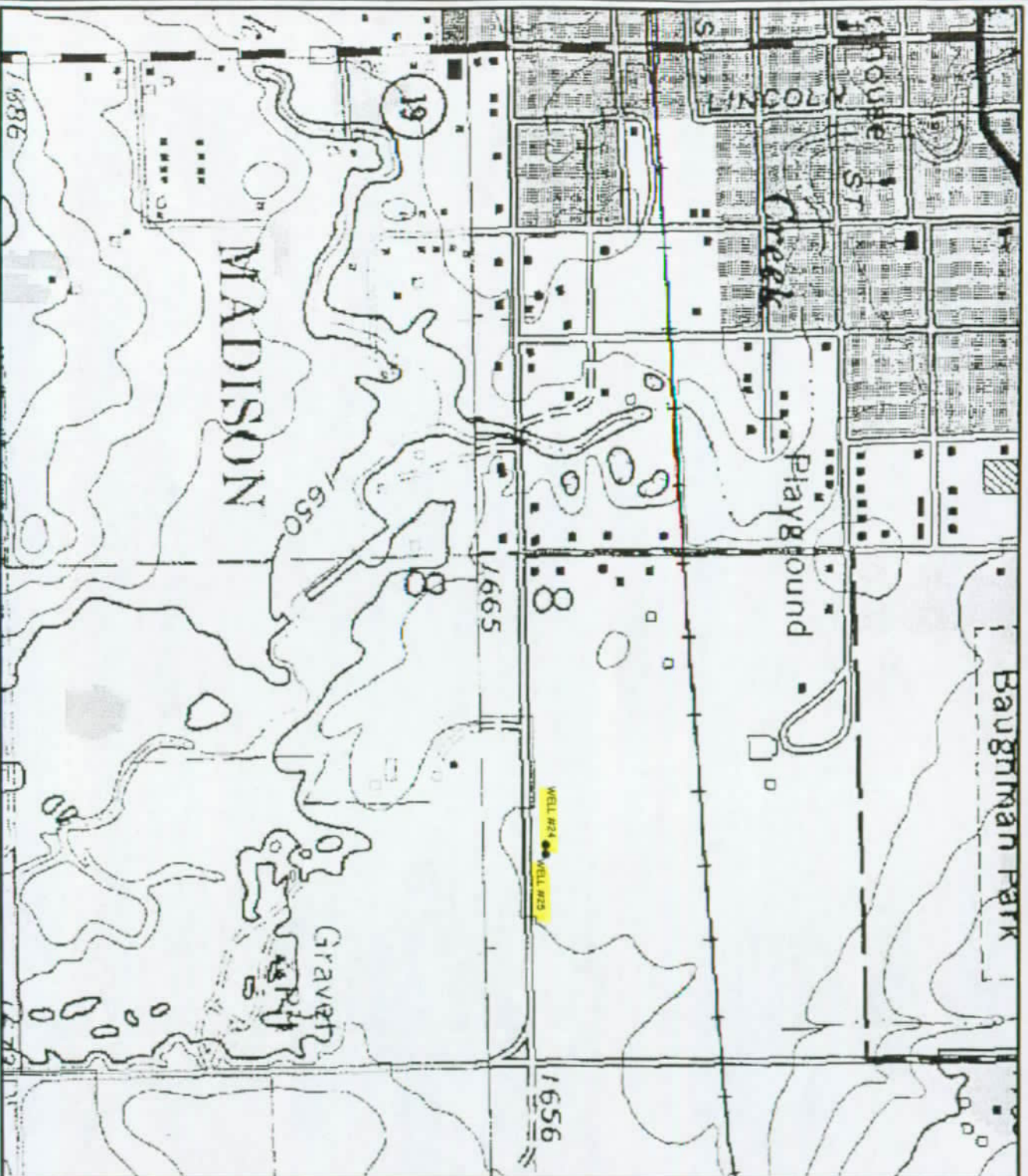
gm



BOTH WELLS ARE TO BE LOCATED APPROXIMATELY
98' NORTH OF THE EAST-WEST CENTERLINE OF SECTION 8
WEST OF THE NORTH-SOUTH CENTERLINE OF SECTION 8
WELL NO. 24 IS TO BE LOCATED APPROXIMATELY 1948'
WEST OF THE NORTH-SOUTH CENTERLINE OF SECTION 8
WELL NO. 25 IS TO BE LOCATED APPROXIMATELY 1698'
WEST OF THE NORTH-SOUTH CENTERLINE OF SECTION 8



DRAWN BY: J.L.U.	JOB NO: 20366.00.01	Madison Municipal Field Expansion	Madison, South Dakota	BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & ARCHITECTS 409 22nd Ave S • P.O. Box 298 - Brookings, SD 57006 • (605)932-6142	DRAWING NO: 1
CHECKED BY: E.R.S./D.C.O.	DATE: Mar. 04	LOCATION MAP			



SCALE: 1" = 800'

BOTH WELLS ARE TO BE LOCATED APPROXIMATELY 90' NORTH OF THE EAST-WEST CENTERLINE OF SECTION 8
 WELL NO. 24 IS TO BE LOCATED APPROXIMATELY 1548' WEST OF THE NORTH-SOUTH CENTERLINE OF SECTION 8
 WELL NO. 25 IS TO BE LOCATED APPROXIMATELY 1598' WEST OF THE NORTH-SOUTH CENTERLINE OF SECTION 8

DRAWN BY: J.L.U.
 JOB NO.: 20366.00.01
 CHECKED BY: DATE: Mar. 04
 ERS/D.CO.

Madison Municipal Well Field Expansion

Madison, South Dakota

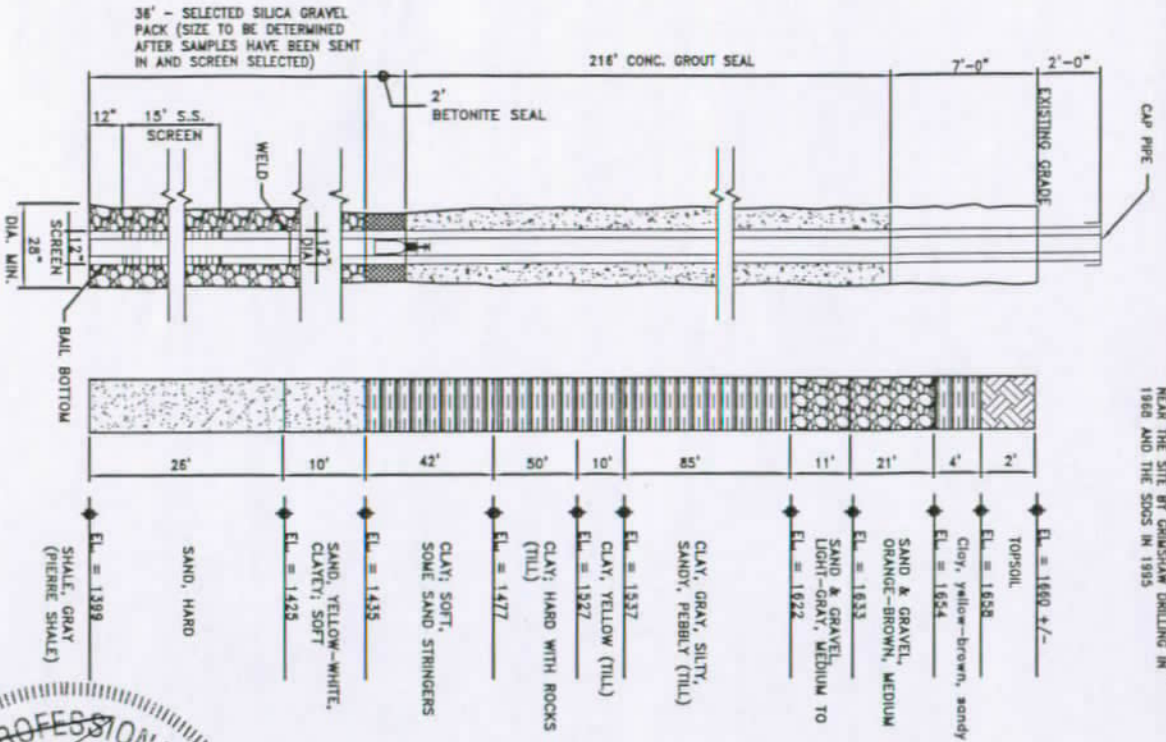
LOCATION MAP

BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & ARCHITECTS
 409 22nd Ave S • P.O. Box 278 • Brookings, SD 57006 • (605) 932-4342

BANNER

DRAWING NO. 1

NOTE: EXPECTED FORMATIONS ARE BASED ON BORING LOGS FROM OBSERVATION WELLS PUT NEAR THE SITE BY GRUBSHAW DRILLING IN 1960 AND THE SOGS IN 1995



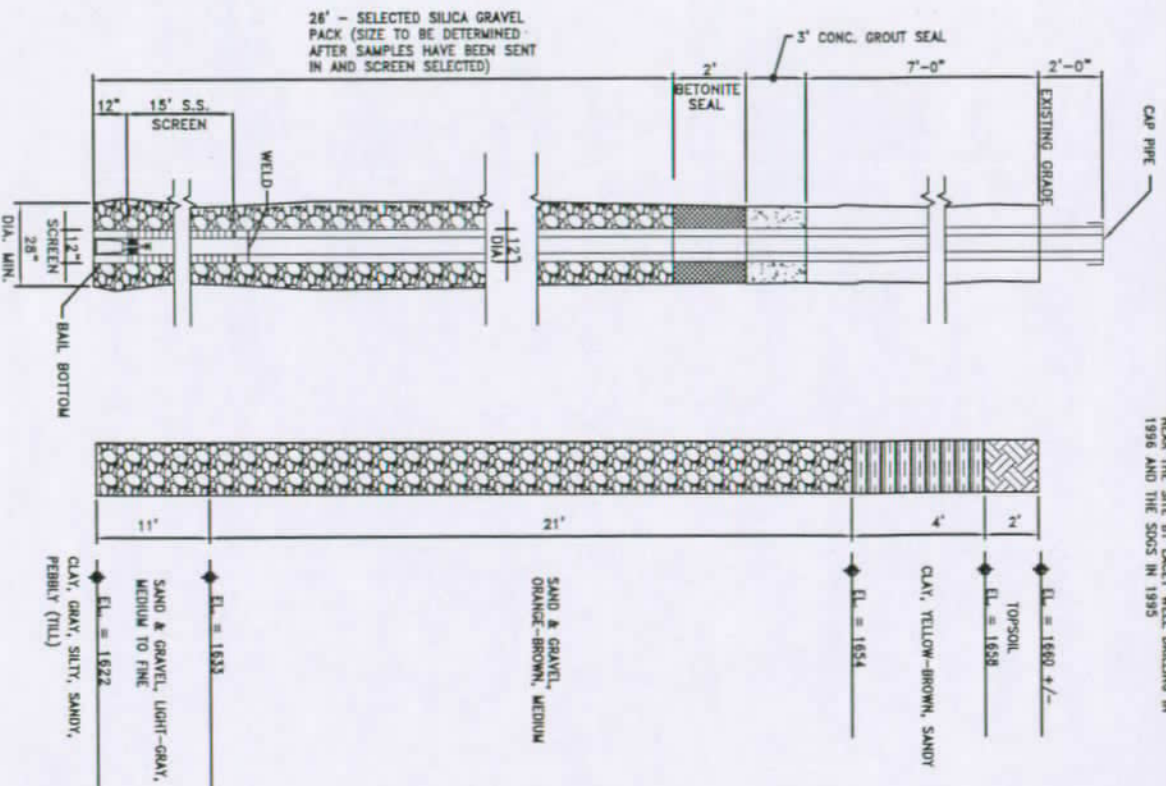
WELL CROSS SECTION - WELL NO. 24

SCALE: NONE

ESTIMATED DEPTH = 261'



NOTE: EXPECTED FORMATIONS ARE BASED ON BORING LOGS FROM OBSERVATION WELLS PUT NEAR THE SITE BY LACEY WELL DRILLING IN 1996 AND THE SOGS IN 1995



WELL CROSS SECTION - WELL NO. 25

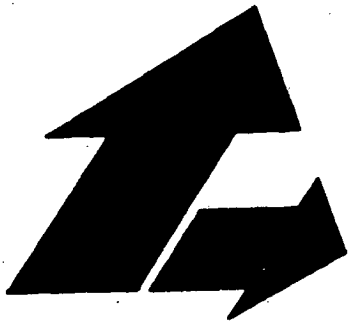
SCALE: NONE

ESTIMATED DEPTH = 38'

DRAWN BY: J.L.U. JOB NO: 20366.00.01
 CHECKED BY: DATE: Mar. 04
 E.R.S./D.C.O.
 MADISON MUNICIPAL WELL FIELD EXPANSION
 MADISON, SOUTH DAKOTA
 WELL SECTIONS

BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & ARCHITECTS
 409 22nd Ave S • P.O. Box 298 - Brookings, SD 57006 • (605)692-6342

DRAWING NO: 2



**THE CITY
OF
MADISON**

City Engineer

116 W. Center • Box 308 • Madison, South Dakota 57042

MEMO

TO: Eric Gronlund
Water Rights Program, DENR
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

May 19, 2004

FROM: City Engineer Bill Heyer *BH.*

RECEIVED

MAY 21 2004

**WATER RIGHTS
PROGRAM**

SUBJECT: Water Permit Applications

Enclosed herewith find two (2) copies each of three (3) separate applications regarding two (2) new wells and a Future Use Permit. Also attached find location maps, aerial photos, and "Well Sections" for the proposed Wells No. 24 & 25. A check in the amount of \$807.50 for the application fees is also herewith enclosed.

Let me know if you should have any questions concerning this information.

Thanks

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: City of Madison Water Right Permit Applications

ADDRESS: COUNTY: Lake

DATE: May 25, 2004 TELEPHONE:

RE: Telephone discussion with Bill Heyer, City Engineer

COMMENTS:

Mr. Heyer returned my phone call regarding the city of Madison's water right permit applications.

The three applications were amended based on Mr. Heyer's request as follows:

Application to place to beneficial use water reserved by Future Use Permit No. 747-3

- The location of the well is to be in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8, T106N, R52W.
- The annual volume of water requested is 339 ac-ft of water.
- The application filing fee is \$250 plus the licensing fee \$50 for a total of \$300

Application for a permit from the Howard Aquifer

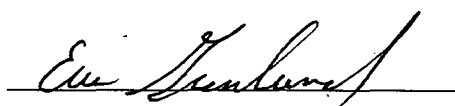
- The annual volume of water requested is 387 ac-ft of water.
- The application filing fee is \$275 plus the licensing fee \$50 for a total of \$325

Application for a future use permit from the Howard Aquifer

- Future use area is the NE $\frac{1}{4}$ of Section 8, T106N, R52W
- The annual volume of water requested to be held in reserve is 387 ac-ft of water.
- The application filing fee is \$275

I explained that the fee for all the applications totals \$900 while the amount submitted was \$807.5. Mr. Heyer asked that we submit a invoice for the remaining \$92.50. That invoice has been faxed to Mr. Heyer.

I also stated that the map is not properly signed. Mr. Heyer requested that I contact Banner & Associates. I contacted Kristine with Banner and she will be getting the location map properly signed and forwarded to the Water Rights Program.

NAME: 



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

* INVOICE *

Invoice No. 20411-052404

City of Madison
116 W Center
Madison SD 57042

Water Permit Application fees

Northern Skunk Creek Aquifer Application = 339 ac-ft

\$250 application fee & \$50 licensing fee = \$300

Howard Aquifer Application = 387 ac-ft

\$275 application fee & \$50 licensing fee = \$325

Howard Aquifer Future Use Application = 387 ac-ft

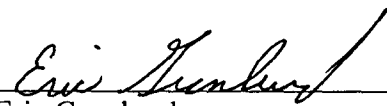
\$275

Total \$900

amount submitted 5/21/04 - \$ 807.50

Balance Due:

\$ 92.50


Eric Gronlund
Water Rights Program
(605) 773-3352

REPORT ON WATER PERMIT APPLICATION NO. 6510-3
For the City of Madison
June 8, 2004

Application No. 6510-3 proposes to construct and put to beneficial use 0.78 cfs (339 acre-feet annually) from one well approximately 38 feet deep located in the SE ¼ NE ¼ of section 8, T106N R52W in Lake County. The water is for municipal use by the City of Madison.

AQUIFER – BIG SIOUX - NORTHERN SKUNK CREEK (BS-NSC)

The Big Sioux Northern Skunk Creek is a surficial outwash (sand and gravel) that is under water table conditions in this area. The aquifer underlies 48 square miles and contains an estimated 196,000 acre-feet of water in storage in Lake County (Hansen, 1986). The aquifer is hydraulically connected to Silver Creek and area lakes Madison, Herman and Brant. Ground water movement is from northwest to southeast across the area of this application (Hansen, 1986). A recharge rate of 3.1 inches per year (7,936 acre-feet annually) is probably a reasonable estimated rate and volume for the Big Sioux Northern Skunk Creek aquifer (Hedges, 1983).

No test well logs were filed with the application however there is sufficient information available from area observation wells, existing municipal wells and test drilling for studies conducted for the City of Madison to evaluate this application.

The Water Rights Program monitors an observation well completed into the Big Sioux Northern Skunk Creek aquifer and located about one-quarter mile to the east of this site. This is observation well LK-84B and a hydrograph for this well is included with this report. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2004). The aquifer clearly responds to climatic conditions that is rising water levels during wet years (recharge) and gradually declining water levels during dry years. Also note that the effects of pumping by the City of Madison's municipal wells are not obvious on the hydrograph.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

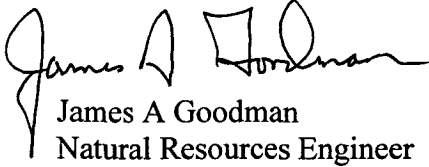
The City of Madison has permits/rights in this same section. The nearest city wells would be #23 (located about one-quarter mile west) and #22 (located about one-quarter mile northwest) of this site respectively. At this distance drawdown is not expected to be significant. Interference should not be a problem.

CONCLUSIONS

1. Water is available from the Big Sioux Northern Skunk Creek aquifer. This water has already been reserved by Future Use Water Permit No. 787-3.
2. The aquifer is under water table conditions in this area. Drawdown is not expected to be significant. Interference is not a concern. The only other high

capacity wells from the Big Sioux Northern Skunk Creek aquifer in this immediate area are also controlled by the city of Madison.

3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. Approval of this application will leave 1,033 acre-feet of water remaining under Future Use Permit No. 787-3.



James A Goodman
Natural Resources Engineer

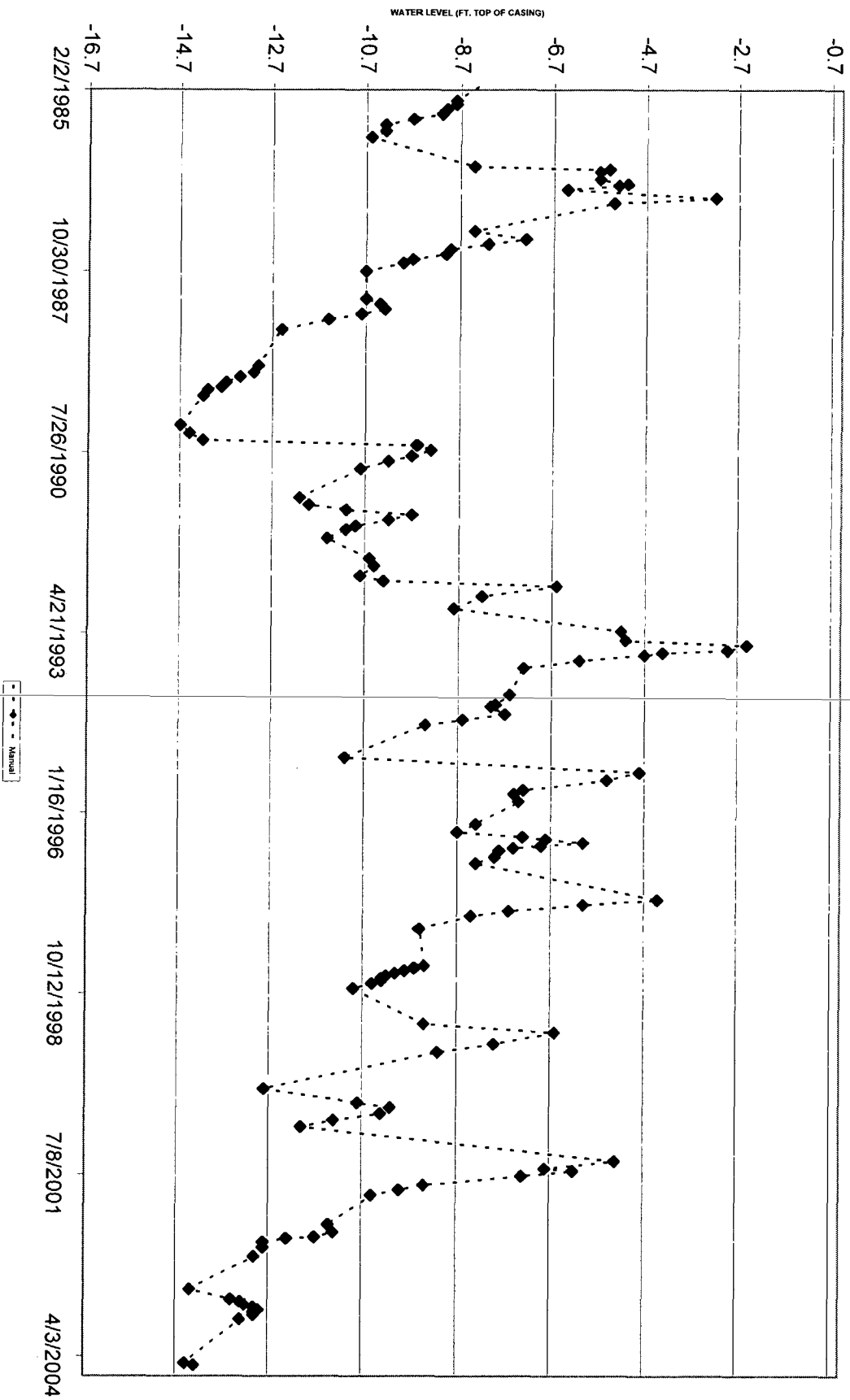
BIBLIOGRAPHY

Hansen, D.S., 1986, Water Resources of Lake and Moody Counties, South Dakota, Water Resources Investigations Report 84-4209, USGS, Huron, SD, 57501.

Hedges, L.S., and others, 1983, Evaluation of Ground Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, Task 7 : Ground Water Recharge, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 2004, Unpublished Observation Well Data for Lake County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS OBSERVATION WELL LK-84B





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6510-3, City of Madison**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6510-3, City of Madison, c/o Mayor Royce D Hueners, 116 W Center, Madison SD 57042.

The Chief Engineer is recommending APPROVAL of Application No. 6510-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6510-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Permit No. 6510-3 authorizes a total annual diversion of 339 acre feet of water.
4. The City of Madison shall report to the Chief Engineer annually the amount of water withdrawn from the Big Sioux - Northern Skunk Creek Aquifer.

See report on application for additional information.

Garland Erbele, Chief Engineer
June 30, 2004

PROOF OF PUBLICATIONSTATE OF SOUTH DAKOTA)
) SSCounty of Lake)I, Deanna D. Bergheimcertify that the attached printed Notice was
takenfrom the Madison Daily Leaderprinted and published in City of MadisonCounty of Lake and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Friday, July 9, 2004Thursday, July 15, 2004Cost of Printing 66.46Deanna D. Bergheim
(Signature)Secretary
(Title)July 15, 2004
(Date Signed)**NOTICE OF APPLICATION NOS.****6510-3, 6511-3 AND 6512-3**

Notice is given that the City of Madison, c/o Royce D Hueners, Mayor, 116 W Center, Madison SD 57042 has filed the following applications for a water permit.

Application No. 6510-3 proposes to construct and place to beneficial use 0.78 cubic feet of water per second (cfs) (339 acre-feet annually) from one well (big Sioux-Northern Skunk Creek) 38 feet deep located in the SE 1/4 NE 1/4 Section 8-T106N-R52W. This water was appropriated and reserved by Future Use Permit No. 747-3. The water will be for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6510-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Application No. 6511-3 proposes to appropriate 0.89 cfs (387 acre-feet annually) from one well (Howard Aquifer) 261 feet deep located in the SE 1/4 NE 1/4 Section 8-T106N-R52W. The water will be for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6511-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Application No. 6512-3 proposes to appropriate for future use 387-acre-feet annually from the Howard Aquifer. The area to be reserved for future water use is to be located in the NE 1/4 Section 8-T106N-R52W. The water is to be reserved for future water supplies for municipal use for the City of Madison. This application does not authorize construction of works or application of water to beneficial use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6512-3 because 1) unappropriated water is available, 2) the quantity of water reserved will be needed by the City of Madison, 3) it is a beneficial use of water, and 4) it is in the public interest.

In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre, SD 57501 (605)773-3352" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 26, 2004.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to these applications.

Steven M. Firner, Secretary,
Department of Environment and
Natural Resources.

RECEIVED
JUL 21 2004
WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on July 8, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NOS. 6510-3, 6511-3 and 6512-3

Notice is given that the City of Madison, c/o Royce D Hueners, Mayor, 116 W Center, Madison SD 57042 has filed the following applications for a water permit.

Application No. 6510-3 proposes to construct and place to beneficial use 0.78 cubic feet of water per second (cfs) (339 acre-feet annually) from one well (Big Sioux-Northern Skunk Creek) 38 feet deep located in the SE ¼ NE ¼ Section 8-T106N-R52W. This water was appropriated and reserved by Future Use Permit No. 747-3. The water will be for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6510-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Application No. 6511-3 proposes to appropriate 0.89 cfs (387 acre-feet annually) from one well (Howard Aquifer) 261 feet deep located in the SE ¼ NE ¼ Section 8-T106N-R52W. The water will be for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6511-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Application No. 6512-3 proposes to appropriate for future use 387 acre-feet annually from the Howard Aquifer. The area to be reserved for future water use is to be located in the NE ¼ Section 8-T106N-R52W. The water is to be reserved for future water supplies for municipal use for the City of Madison. This application does not authorize construction of works or application of water to beneficial use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6512-3 because 1) unappropriated water is available, 2) the quantity of water reserved will be needed by the City of Madison, 3) it is a beneficial use of water, and 4) it is in the public interest.

In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 26, 2004.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to these applications. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

June 30, 2004

City of Madison
% Royce D Hueners Mayor
116 W Center
Madison SD 57042

Dear Mayor Hueners:

Water Permit Application Nos. 6510-3, 6511-3 & 6512-3 for municipal use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Madison Daily Leader printed at Madison, SD (Ph # 605-256-4555). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the applications.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

c: Bill Heyer, City Engineer, Madison

NOTE: If you plan to contest any part of the Chief Engineer's recommendations, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the applications.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 30, 2004

Madison Daily Leader
PO Box 348
Madison SD 57042-0348

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application Nos. 6510-3, 6511-3, 6512-3 to Appropriate Water to be published twice. Please publish the first notice on July 8, 2004 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is City of Madison, %Royce D Hueners, 116 W Center, Madison SD (Ph # 605-256-7513).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 6510-3, 6511-3 & 6512-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of June 30, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6510-3, 6511-3 & 6512-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



AUG 13 2004

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

6510-3
6511-3
6512-3

City of Madison
Bill Heyer, City Engineer
116 West Center
Madison SD 57042

Dear Mr. Heyer:

Enclosed are Water Permit Nos. 6510-3, 6511-3 and Future Use Permit No. 6512-3. Water Permit Nos. 6510-3 and 6511-3 authorize construction of the city's water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

Two Form 10's, *Notice of Completion of Works and Application of Water to Beneficial Use*, are enclosed. Please return the completed forms after you have finished the systems and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

When plans for facilities are prepared to put any portion of the water granted in Future Use Permit No. 6512-3 to beneficial use, an application covering such facilities and water use should be submitted to this office before construction is initiated.

An informational sheet *Common Water Right Questions* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

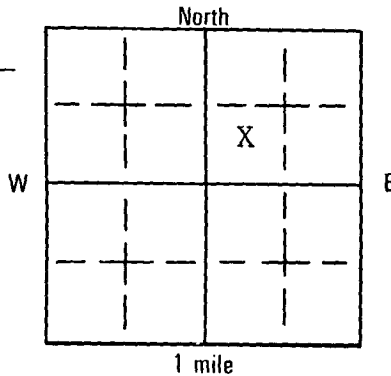
10-85

6510-3

Location SW 1/4 NE 1/4 Sec 8 Twp 106 Rg 52

County

LAKE

Please mark well
location with
an "X"

Well Completion Date 9-17-04

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

ROTARY

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
3125/41 LB/FT	12 IN	0 FT	35 FT	24 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? 34-30 HIGH SOLID BENTONITE FEET

What is grouting material? SEAL

If cement, number of sacks? 30 - 7 PORTLAND CEMENT

Describe grouting procedure (NEAT GROUT)

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 12 IN Length 15 FEET

Material STAINLESS STEEL

Slot Size .070 Set From 35 Feet To 50 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information

Was a packer or seal used? ☐ YES ☒ NO

If so, what material?

Describe packer(s) and location?

Was well disinfected upon completion? ☒ YES ☐ NO

Explain

Bacteriological analysis ☒ YES ☐ NOLaboratory sent to WATER TREATMENT PLANT
STOUX FALLS, SD

Well Owner:

Name CITY OF MADISON

Address 116 WEST CENTER ST MADISON, SD

Well Log:

Depth

Formation	From	To
TOP SOIL	0	1
SAND & GRAVEL	1	23
BLUE CLAY	23	28
SANDY BLUE CLAY	28	30
SAND	30	31
ROCK	31	-
COARSE SAND	31	38
SAND & GRAVEL	38	48
SANDY BLUE CLAY	48	50

RECEIVED

FEB - 4 2005

WATER RIGHTS
PROGRAM

STATIC WATER LEVEL 24' 3.5" Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ Bailed

Describe:

☐ Other

Pumping Level Below Land Surface

31.83 ft. After 24 Hrs. pumped 300 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: WELL #1

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY, INC.

Signature of License Representative:

Signature of Well Owner:

Date

1/31/2005 Jan 31, 2005



1079-3 1453-3 1604-3 371-1 372-3
6512-3 6511-3 6510-3 747-3 6040-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

October 21, 2025

8792-3

City of Madison
c/o Finance Officer
503 S Highland Ave
Madison SD 57042

Attention Finance Officer:

Enclosed is a "Notice" dated October 8, 2025, concerning the 2025 Irrigation Questionnaire.

The notice was originally mailed to the City of Madison at 116 W Center St, Madison SD 57042. The post office notified our office that your address has changed, and your records have been updated accordingly.

This is a time sensitive matter. Please complete and return the enclosed questionnaire or submit your report online at <https://danr.sd.gov/iq/> using this password **FFDLQE**.

If this change of address is in-correct, please contact our office immediately to update your contact information.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

553 NFE 1 C24C0010/15/25
RETURN TO SENDER
: CITY OF MADISON
503 S HIGHLAND AVE
MADISON SD 57042-3227

RETURN TO SENDER