

WATER PERMIT NO. 5815-3

Phone: 605-785-3602

Name of Applicant: City of Lake Norden

Post Office Address: PO Box 213, Lake Norden SD 57248

Amount of Water Claimed: 139 ac-ft Total Acres:

Source of Water Supply: groundwater

Water to be used for: municipal County: Hamlin

About 1/2 mile northwest of Lake Norden

PRIORITY Date Received: 4-6-94 Fee: \$225.00 Remarks: Construction

of water reserved by Future Use Permit No. 5815-3

Corrected Application Received: Period of Annual Use: Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED: NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES NO REMARKS:

Diversion Point: SW 1/4 NE 1/4 Sec 17-T113N-R52W

Land to be Irrigated:

			17		

Well Log: Driller: Licensed YES NO

Depth of Well: 30 feet REMARKS:

Type of Map: topo PREPARED BY: Daryl C. Englund Reviewed and the Number

Assigned on: 4-7-94 By: Karen Schlaak

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

Check use of water: Industrial ☐ Commercial ☐ Municipal ☒ Other Common Distribution System ☐
Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
Domestic ☐ (above 18 gpm) Other ☐

Type of Application: Check one or more of the following:

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☐ Amend Permit No. _____ with old priority date retained.

Change diversion point(s) ☐ Add diversion point(s) ☐ Other ☐ _____

☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____

☒ Construction to use water reserved by Future Use Permit No. 4055-3

1. Name Of Applicant City of Lake Norden Phone No. 605-785-3602

Post Office Address P.O. Box 213 State SD 57248
(Street, RR, or Box) (City) Zip Code

2. Amount of water claimed (c.f.s.) 0.33 (150 GPM) 139 Acre feet annually

3. Source of water supply Big Sioux Aquifer

4. Location of point of diversion SW 1/4 NE 1/4 Section 17, T113N, R53W, 5th P.M.

County Hamlin

5. Counties where water will be used Hamlin

6. Annual Period during which water is to be used Year-round January 1 - December 31

7. Give a brief description of proposed 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).

30 foot well for municipal water supply



Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA
County of Hamlin) ss

I, Larry Steffensen, Mayor 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.

Signed Larry Steffensen
Subscribed and sworn to before me this 5th day of April 19 94

B. A. K. M. M. M.
Notary Public
COMMISSION EXPIRES: 6-25-94

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 Inch Depth 30 feet
- b) Casing Type steel Diameter 12-inch Thickness 3/8 inch
- c) Screen Type stainless steel Diameter 12-inch Thickness 1/4 inch
- d) Gravel Pack Thickness 4 Inches Length of Gravel Pack 22 feet
- e) Depth to Top of Water Bearing Material 6 feet
- f) Depth to Water (ground surface to water level) 6 feet
- g) Distance to nearest existing domestic well:
 On applicants property 500 ft. On property owned by others 1/4 mile

2. Dugout Information Estimates

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

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should 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 _____

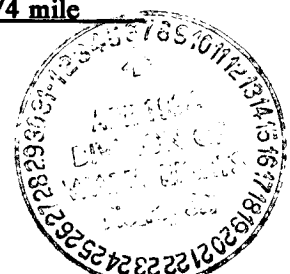
Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____

Lay Stuppersen
 Signature of Applicant



**SOUTH DAKOTA
WATER PERMIT NO. 5815-3**

Date of first receipt of application April 6, 1994.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5815-3 to the City of Lake Norden, PO Box 213, Lake Norden SD 57248 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. 5815-3 authorizes construction and placing to beneficial use 0.33 cubic feet of water per second (139 acre-feet) from one well (Big Sioux Aquifer) 30 feet deep located in the SW 1/4 NE 1/4 Section 17-T113N-R53W. This water was appropriated and reserved by Future Use Permit No. 4055-3.
2. The water appropriated shall be used for the purpose of supplying water to the City of Lake Norden and may not exceed the amount of water needed for beneficial use for municipal purposes.
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. 5815-3 is June 20, 1994.
5. The date from which applicant may claim right is March 14, 1977 (established by Future Use Permit No. 4055-3).
6. One-fifth of the construction is to be completed on or before December 20, 1996.
7. All construction is to be completed on or before June 20, 1999.
8. Water is to be put to beneficial use on or before June 20, 2003.
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. 5815-3 shall be constructed by a licensed well driller and construction 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.

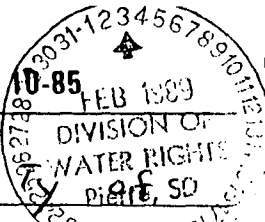
WATER MANAGEMENT BOARD

By: 
John Hatch, Chief Engineer
Water Rights Division
Department of Environment and Natural Resources

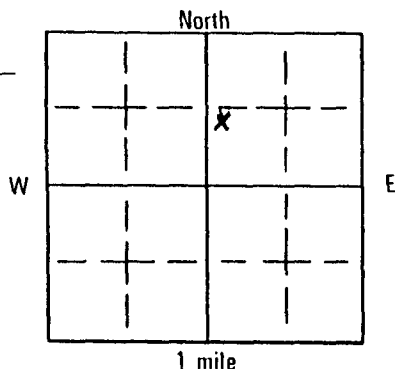
NOV 14 1994
date

[illegible]

Well #4

SOUTH DAKOTA WATER WELL COMPLETION REPORT **5161-3**Location SW 1/4 NE 1/4 Sec 17 Twp 113N Rg 53WCounty Hamlin

Please mark well location with an "X"

Well Completion Date 3-3-88

PROPOSED USE:

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

Method of Drilling:

Bucket Rig + Suction Bailer

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>53.22 LB/FT</u>	<u>18 IN</u>	<u>0 FT</u>	<u>19 FT</u>	<u>24 IN</u>
<u>40.48 LB/FT</u>	<u>10 IN</u>	<u>0 FT</u>	<u>19 FT</u>	<u>17 1/2 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 19 FEETWhat is grouting material? CementIf cement, number of sacks? 40Describe grouting procedure Pressure Grout by Tremie pipe

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 10 IN Length 10 FEETMaterial STAINLESS STEELSlot Size .020 Set From 20 Feet To 30 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 ☐ NOExplain Chlorine injected during Jetting
Also during Gravel PackingBacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name Lake Nordon, C.Address Lake Nordon, S.D.

Well Log:

Depth

Formation	From	To
<u>Black Soil</u>	<u>0</u>	<u>3</u>
<u>Yellow Sand</u>	<u>3</u>	<u>10</u>
<u>Gray Sand (med)</u>	<u>10</u>	<u>18</u>
<u>Gray Sand (Fine to med)</u>	<u>18</u>	<u>20</u>
<u>Gray Sand (med to coarse)</u>	<u>20</u>	<u>25</u>
<u>Gray Coarse gravel</u>	<u>25</u>	<u>28</u>
<u>Blue Clay</u>	<u>28</u>	<u>30</u>

All Sand + Gravel has some very fine materialAlso a lot of shaleSTATIC WATER LEVEL 6 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

18 1/2 ft. After 4 Hrs. pumped 118 GPM21 1/2 ft. After 20 Hrs. pumped 117 GPM25 ft. After 48 Hrs. pumped 115 GPM

REMARKS:

This well was drilled under license # 4

And this report is true and accurate.

Drilling firm Bullis Bros.

Signature of License Representative:

Se Ray Bullis

Signature of Well Owner:

Ray BullisDate 3-3-88

RECEIPT

414128

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____, April 7, 19 94

RECEIVED OF City of Lake Norden, PO Box 213, Lake Norden, SD 57248-0213

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

Fee for Application for Permit No. <u>5815-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	225	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. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	225 00

By John Hatch
Chief Engineer

LAKE NORDEN WATER SUPPLY WELL



ADVERTISEMENT FOR BIDS

Notice is hereby given that the City of Lake Norden, South Dakota will receive sealed competitive bids for Water Supply Well. The project consists of the following major item of work: 12" Ø Water Supply Well, Submersible Pump and Pitless Adaptor.

The Bids must be prepared on bid forms supplied in the Bidding Documents and filed with the City Finance Officer not later than 7:30 P.M., Local Time, April 4, 1994, at which time and place all Bids will be publicly opened and read aloud in the presence of the Bidders and their representatives. No bids will be received after the specified hour and date, and Bids which are not prepared and filed in accordance with "Instructions to Bidders" may be rejected.

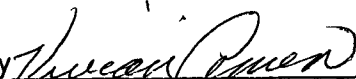
All Bids must be accompanied either by a certified check, cashier's check or bank draft payable to the City of Lake Norden in the amount of five percent (5%) of the total sum of the Bid, drawn on a State or National Bank, or by a Bid Bond in an amount of ten-percent (10%) of the total Bid issued by a Surety authorized to do business in the State of South Dakota, said bond to be made payable to the City of Lake Norden. The check or bond will be retained by the Owner as liquidated damages if the successful Bidder refuses or fails to enter into a contract, performance bond and payment bond in accordance with the Bid when notified of the award.

The proposed Construction Contract together with the Plans and Specifications for the construction work may be seen at the office of City Finance Officer, or at the office of Banner Associates, Inc., Consulting Engineers, 409 22nd Avenue South, P.O. Box 298, Brookings, South Dakota, 57006, and may be obtained at the latter by depositing the sum of Twenty Dollars (\$20.00) for each set. This deposit will be refunded upon return of the Documents in good condition within ten (10) days after Bid opening.

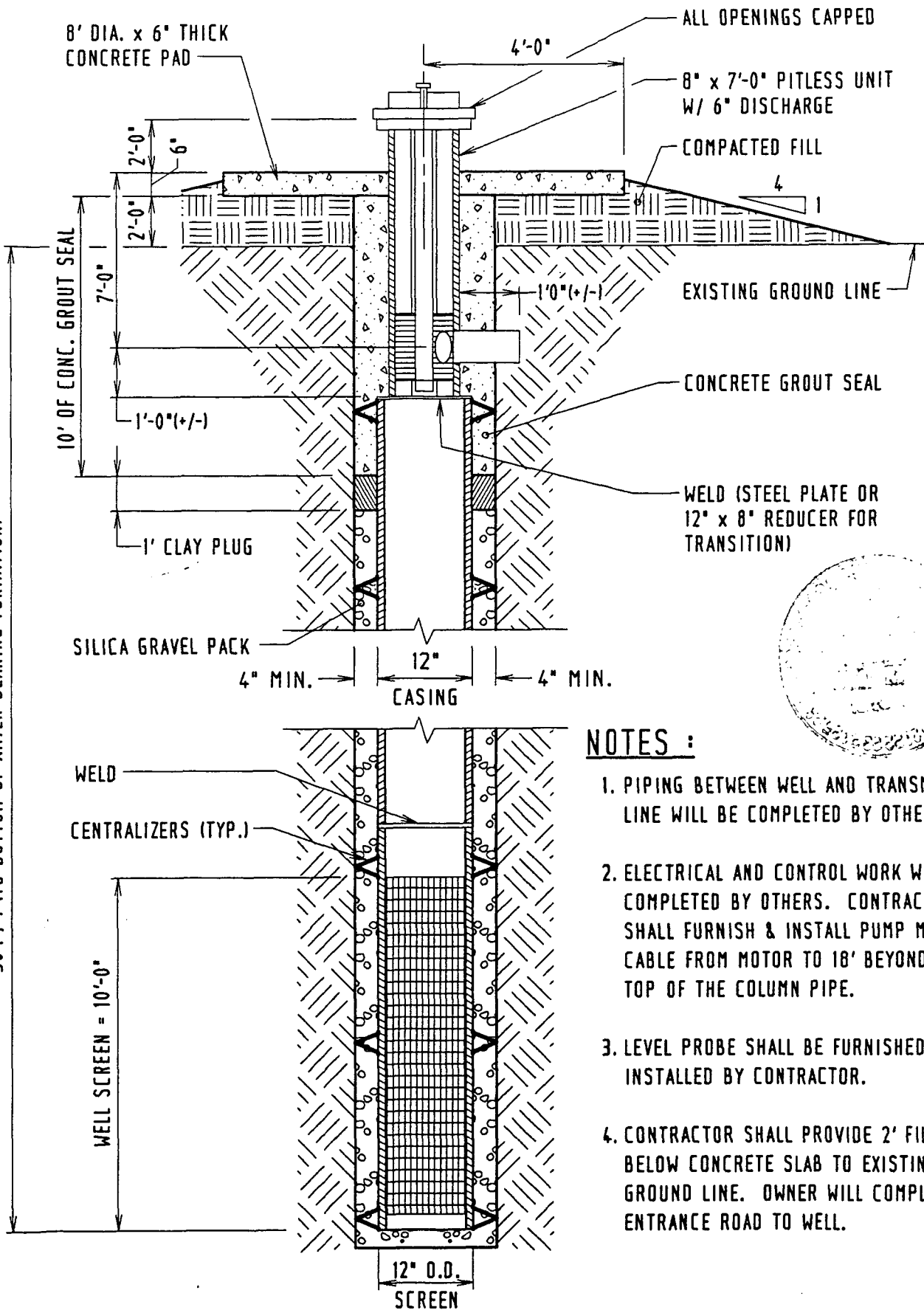
Payment for all work shall be in cash based on monthly estimates.

Bids may not be withdrawn after the time fixed for opening them. The Owner reserves the right to waive irregularities and reject any and all Bids.

BY ORDER OF THE CITY COUNCIL, CITY OF LAKE NORDEN, SOUTH DAKOTA.

By 
Finance Officer

30' (+/-) (TO BOTTOM OF WATER BEARING FORMATION)



NOTES :

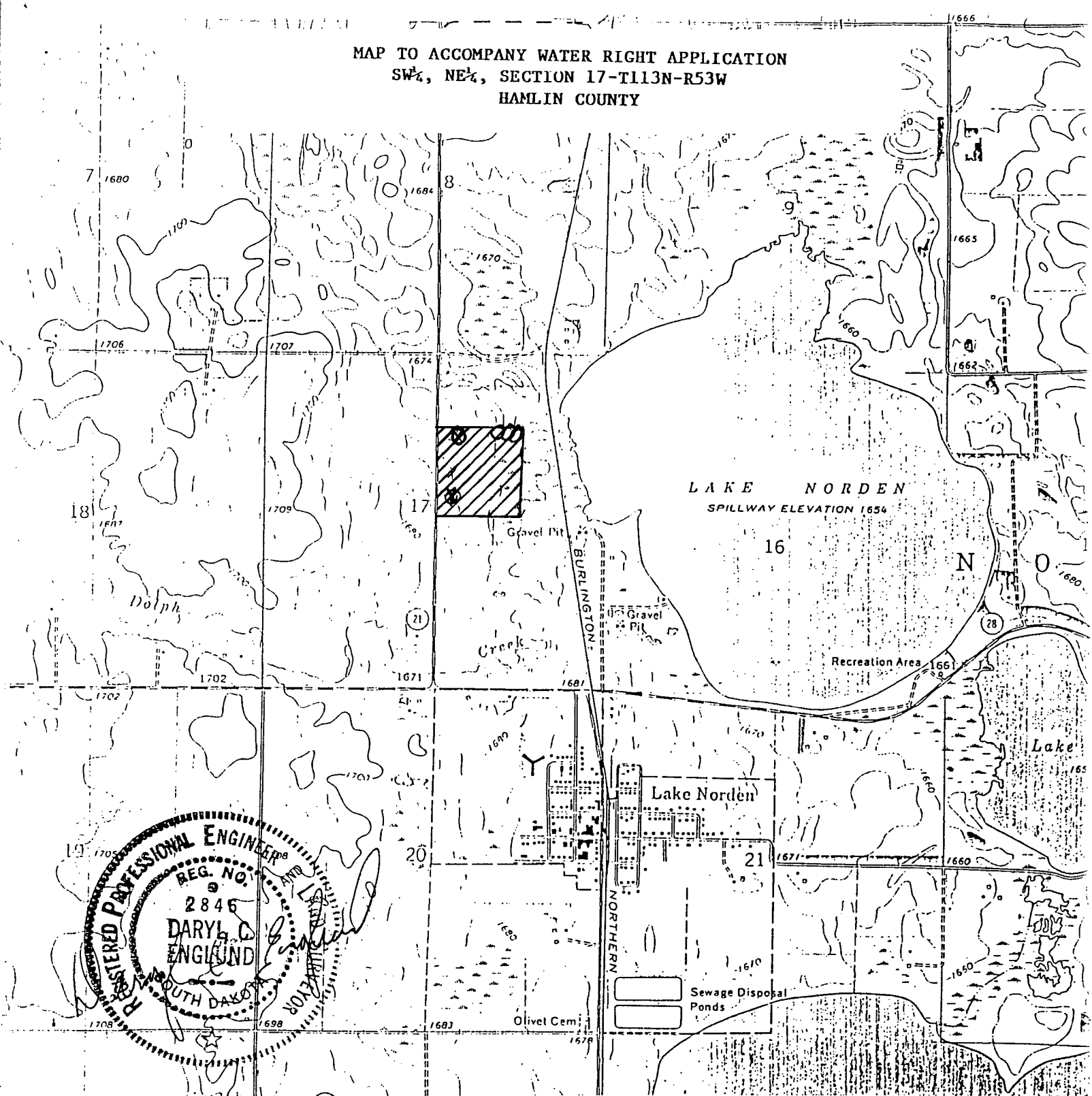
1. PIPING BETWEEN WELL AND TRANSMISSION LINE WILL BE COMPLETED BY OTHERS.
2. ELECTRICAL AND CONTROL WORK WILL BE COMPLETED BY OTHERS. CONTRACTOR SHALL FURNISH & INSTALL PUMP MOTOR CABLE FROM MOTOR TO 18' BEYOND THE TOP OF THE COLUMN PIPE.
3. LEVEL PROBE SHALL BE FURNISHED & INSTALLED BY CONTRACTOR.
4. CONTRACTOR SHALL PROVIDE 2' FILL BELOW CONCRETE SLAB TO EXISTING GROUND LINE. OWNER WILL COMPLETE ENTRANCE ROAD TO WELL.

WELL & CASING DETAIL

WATER SUPPLY WELL
LAKE NORDEN, SOUTH DAKOTA

PLATE NO. 2

MAP TO ACCOMPANY WATER RIGHT APPLICATION
SW $\frac{1}{4}$, NE $\frac{1}{4}$, SECTION 17-T113N-R53W
HAMLIN COUNTY

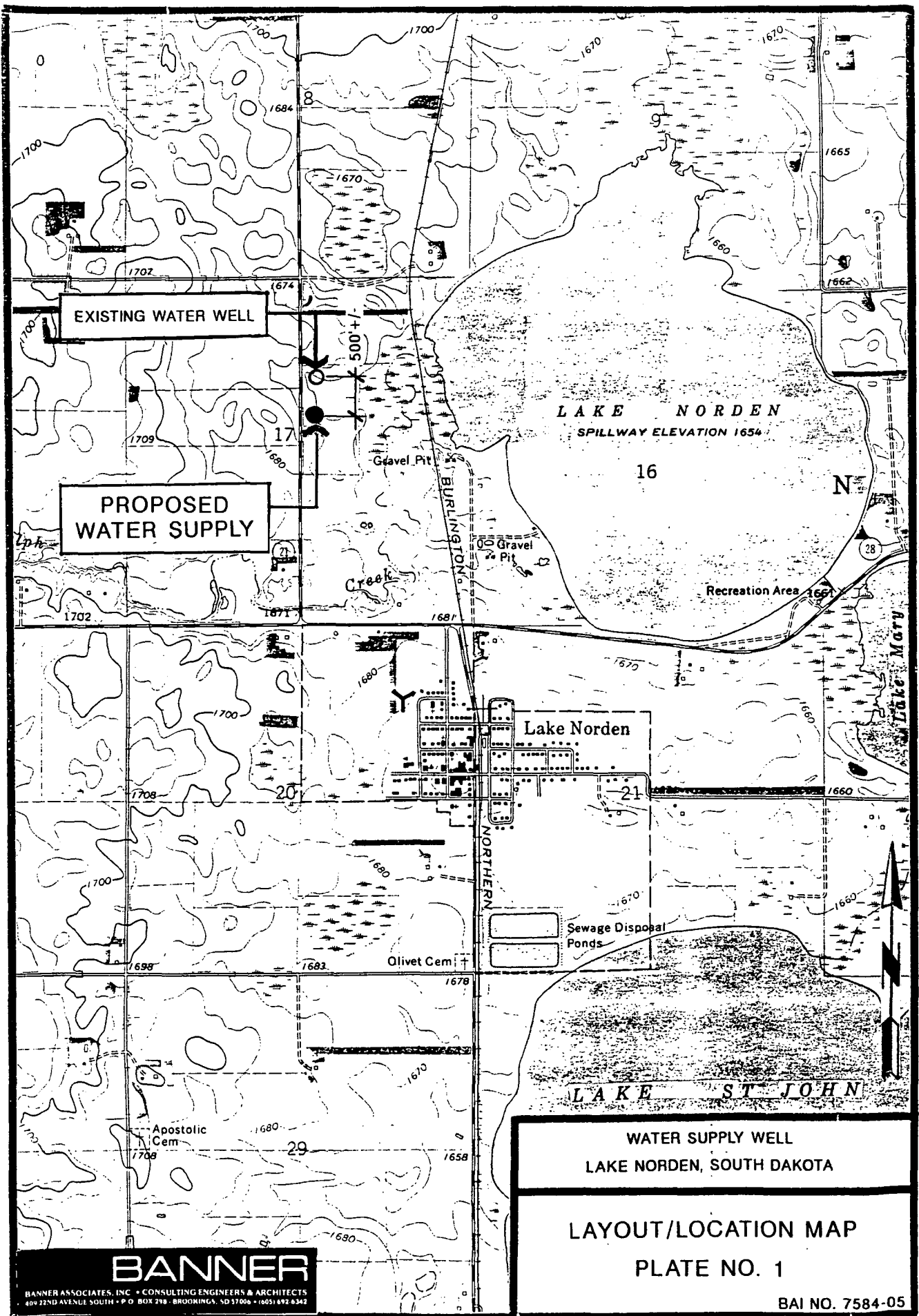


SURVEYOR'S CERTIFICATION

I, Daryl Englund, a Registered Land Surveyor in the State of South Dakota, do hereby certify that at the request of the City of Lake Norden, South Dakota, I did prepare the map on this sheet from existing information and that I did survey and locate the sites for which application for and appropriate water rights to withdraw underground waters for municipal water supply purposes is made, and that this map is a true representation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 4th day of April, 1994.

Daryl C. Englund
Registered Land Surveyor



EXISTING WATER WELL

PROPOSED
WATER SUPPLY

LAKE NORDEN
SPILLWAY ELEVATION 1654

Lake Norden

Sewage Disposal
Ponds

LAKE ST. JOHN

WATER SUPPLY WELL
LAKE NORDEN, SOUTH DAKOTA

LAYOUT/LOCATION MAP
PLATE NO. 1

BANNER

BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & ARCHITECTS
404 22ND AVENUE SOUTH • P.O. BOX 298 • BROOKINGS, SD 57006 • (605) 692-6342

BAI NO. 7584-05

REPORT ON WATER PERMIT APPLICATION NO. 5815-3
for the City of Lake Norden
May 17, 1994

Application No. 5815-3 proposes to construct and place to beneficial use 0.33 cfs (150 gpm) or 139 acre feet per year from one well approximately 30 feet deep located in the SW 1/4 NE 1/4 of section 17, T113N R53W in Hamlin County. The water was appropriated and reserved by future use Permit No. 4055-3. The water will be used to supply the City of Lake Norden.

AQUIFER - BIG SIOUX BROOKINGS (BS:B)

The Big Sioux Brookings is an alluvium mantled glacial outwash (sand and gravel) under predominantly unconfined (water table) conditions. The Big Sioux Brookings underlies 88,500 acres and contains an estimated 331,880 acre feet of recoverable water in storage (Hedges, 1982). The aquifer is hydraulically connected to area creeks, sloughs and Lake Norden and is areally extensive into Brookings County to the south and into Codington County to the north. Recharge to the aquifer is accomplished by direct infiltration of rainfall and snowmelt into the aquifer. Ground water movement is controlled by area drainage and is from northwest to southeast toward Lake Norden.

The Division of Water Rights monitors an observation well HN-76D which is completed into the Big Sioux Brookings and is located less than 1/2 mile north of this application. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years and gradually declining water levels during dry years. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1994).

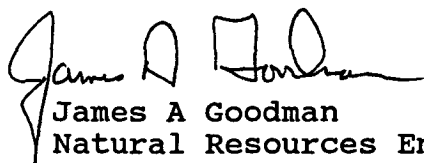
REVIEW OF EXISTING WATER PERMITS/RIGHTS

Other than the existing diversions for the City of Lake Norden, there is one other Water Right No. 141-3 located within 1/2 mile north of this application. Interference is not a concern and drawdown should not be significant between these diversions. There is an existing municipal well located about 500 feet north of this application. Drawdown could overlap when these wells are pumped simultaneously. Adverse interference is not expected. The City can control pumping to minimize any effects.

CONCLUSIONS

1. Water is available from the Big Sioux Brookings aquifer.
2. The aquifer is unconfined and under water table conditions. Interference is not expected to be a concern. An existing city well is near enough to this proposed diversion to potentially cause overlapping cones of depression but this is not expected to cause adverse effects.

3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards. The proposal submitted by Banner would comply with the regulations.
4. Approval of this application will remove 139 acre feet from Future Use Permit No. 4055-3. The future use permit has been reviewed by the Water Management Board (May 1, 1991) and at that time 386 acre feet remained in reserve. This will result in 247 acre feet of water remaining in future use status.
5. Any water not utilized by this application or any other permit to use water from future use which is not used would revert to the existing future use permit.


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

Hedges, L.S., et al, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 1994, Unpublished Data for Observation Wells in Hamlin County, SD DENR, Division of Water Rights, Pierre, SD, 57501.

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5815-3, City of Lake Norden

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5815-3, City of Lake Norden, c/o Mayor Larry Steffensen, PO Box 213, Lake Norden, SD 57248.

The Chief Engineer is recommending APPROVAL of Application No. 5815-3 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) 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. 5815-3 shall be constructed by a licensed well driller and construction 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.

See report on application for additional information.


JOHN HATCH, Chief Engineer
May 23, 1994



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

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

May 25, 1994

Vivian Amen, FO
City of Lake Norden
PO Box 213
Lake Norden, SD 57248

Dear Ms. Amen:

Water Permit Application No. 5815-3 for municipal use has 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 Herald Enterprise printed at Hayti, SD (Ph # 783-3636). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application 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 of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, 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 application.

c: Larry Steffensen, Mayor, City of Lake Norden, PO Box 213, Lake Norden, SD 57248



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

May 25, 1994

Herald Enterprise
Box 207
Hayti, SD 57241

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5815-3 to be published twice. Please publish the first notice on June 1, 1994, with the second publication 7 days later.

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 the City of Lake Norden, PO Box 213, Lake Norden, SD 57248 (Ph # 785-3602).

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

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

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper

Instruction to Newspaper - Publish first Notice on June 1, 1994, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 5815-3 to Appropriate Water

Notice is given that the City of Lake Norden, PO Box 213, Lake Norden, SD 57248 has filed an application for a water permit to construct and place to beneficial use 0.33 cubic feet of water per second (139 acre-feet) from one well (Big Sioux Aquifer) 30 feet deep located in the SW 1/4 NE 1/4 Section 17-T113N-R53W. This water was appropriated and reserved by future use Permit No. 4055-3. The water will be used to supply the City of Lake Norden.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5815-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) 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 this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Division, 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 June 20, 1994.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, 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 Division address to request copies of information pertaining to this application. Russell L. Stone, Acting Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
 County of Hemlin) ss

I, Mark R. Hausman

certify that the attached printed Notice was

taken from the Heard Express

printed and published in Hayti

County of Hemlin and State of

South Dakota. The notice was published in
 the newspaper on the following two dates:

June 2, 1994

June 8, 1994

Cost of Printing: 34.81

[Signature]
 (Signature)

[Signature]
 (Title)

6-8-94
 (Date Signed)



6/22/94xc

NOTICE OF APPLICATION NO.
5815-3 TO APPROPRIATE WATER

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5815-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) 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 this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Division, 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 June 20, 1994.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, 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 Division address to request copies of information pertaining to this application. Russell L. Stone, Acting Secretary, Department of Environment and Natural Resources.

Water Rights Division - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: City of Lake Norden, WP Application No. 5815-3

ADDRESS: COUNTY: Hamlin

DATE: 5/26/94 TELEPHONE: 785-3602

RE: Call from Vivian Amen

COMMENTS:

I returned Mrs. Amen's call. She was concerned that we were publishing Application No. 5815-3 in the Herald Enterprise instead of the Bryant paper. She said the Bryant paper is used for all their city business.

I stated that the Herald Enterprise was the newspaper that was listed on the application when they submitted the application. I also stated that statutes require that the notice of hearing be published in a legal newspaper of the county and that we usually try to choose the newspapers which is geographically closet to the application. This would have been the Herald Enterprise.

I offered to make the change to the Bryant newspaper and cancel the publication in the Herald Enterprise. Obviously, Mrs. Amen did not understand because she thought there would then be publication in two newspapers. It was finally decided to leave things as is.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME:

Eric Hamlin



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

NOV 14 1994

Vivian Amen, FO
City of Lake Norden
PO Box 213
Lake Norden, SD 57248

Dear Ms. Amen:

Enclosed is Water Permit No. 5815-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



NOTICE OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Date June 5 1995

TO: Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: City of Lake Norden P.O. Box 213
(name) (address)
Lake Norden SDak 57248 605-785-3602
(city) (state) (zip) (phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 5815-3.

Water Permit No. 5815-3 states that the diversion system is to be constructed by June 20 1999, and that the water is put to beneficial use by June 20 2003.
(date) (date)

The diversion system was completed on Nov 14, 1994.
(date)

Applying the water to beneficial use was completed on Nov 14, 1994.
(date)

You may schedule an inspection so that the Water License may be issued.

Larry Steffen
(signature) Mayor



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

October 30, 1997

5815-3

City of Lake Norden
%Delores Kangas, Finance Officer
Box 213
Lake Norden, SD 57248-0213

Dear Ms. Kangas:

The investigation of your water use system was conducted on September 18, 1996, by Mark D. Rath, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit No. 5815-3. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the investigation and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

Division of Water Rights

South Dakota Department of Environment and Natural Resources

415515

Pierre, November 5, 19 97

RECEIVED OF City of Lake Norden, P.O. Box 213, Lake Norden, SD 57248-0213

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
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>5815-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By John Hatch 
Chief Engineer

Permit No. 5815-3
Big Sioux River - Water District

**Report Of Examination Of Works And/Or Application of Water To
Beneficial Use**

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

On, September 18, 1996, I made a thorough examination of the water use system constructed by City of Lake Norden of Box 213, Lake Norden SD holder of Permit Nos. 5815-3, 5499-3 & 5161-3, bearing the priority of March 14, 1977 authorizing the diversion of 0.66 cu. ft. per second and the withdrawal of 378 acre-feet annually of the waters of groundwater (Big Sioux Aquifer) for Municipal purposes, in Hamlin County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

Two submersible pumps with a combined capacity of 250 gpm

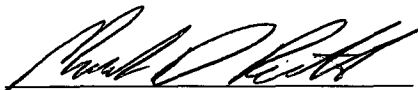
B. Works used to transport water to place of use:

Municipal water distribution system

The system is in the following condition good. The point of diversion is located from the NE corner of Sec 17 T113N-R53W; Well # 4 - 1400 ft S and 2200 ft W; South Well - 2300 ft S and 2360 ft W. The works are capable of diverting and conveying to the place of use 0.56 cu. ft. per second of water and withdrawing 378 acre-feet annually of water which is to be used for municipal use. Water has been put to beneficial use and the license should be issued for 0.56 cfs and an annual withdrawal of 378 acre-feet.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none



Mark D. Rath
Natural Resources Engineer
DENR, Water Rights Program

10/8/96
Date

REPORT ON INSPECTION OF PERMIT NO. 5815-3

DATE OF INSPECTION: 9/18/1996

Other permit(s) associated with the project: 5161-3 & 5499-3

Contact Person & Address: Darryl Kastein, Box 213, Lake Norden, SD

DIVERSION POINT LEGAL LOCATION: from the NE corner of Sec 17 T113N-R53W:

Well # 4 - 1400 ft S and 2200 ft W; South Well - 2300 ft S and 2360 ft W

WATER SUPPLY Source: groundwater- Big Sioux Aquifer

Well Information: Well # 4

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Bullis Brothers</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>30</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- | | |
|------------------------------|--------------------------|
| 1) Diameter <u>18</u> inches | 2) Length <u>20</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|-------------------------------------|--------------------------|
| 1) Type <u>stainless</u> | 2) Length <u>10</u> feet |
| 3) Static water level <u>6</u> feet | |

Pump:

- | | |
|------------------------|-----------------------------|
| 1) Make <u>unknown</u> | 2) Model <u>submersible</u> |
| 3) Size <u>?</u> | 4) Capacity <u>125</u> GPM |

Motor:

- | | |
|----------------------------------|-----------------------------|
| 1) Make <u>unknown</u> | 2) Model No. <u>unknown</u> |
| 3) Horsepower rating <u>?</u> hp | |

Well Information: South Well

- | | |
|-----------------------------------|-------------------------------------|
| 1) Well Drilling Firm: <u>LTP</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>27</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- | | |
|-----------------------------|--------------------------|
| 1) Diameter <u>8</u> inches | 2) Length <u>20</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|-------------------------------------|-------------------------|
| 1) Type <u>stainless steel</u> | 2) Length <u>7</u> feet |
| 3) Static water level <u>4</u> feet | |

Pump:

- | | |
|------------------------|-----------------------------|
| 1) Make <u>unknown</u> | 2) Model <u>submersible</u> |
| 3) Size <u>3</u> | 4) Capacity <u>125</u> GPM |

Motor:

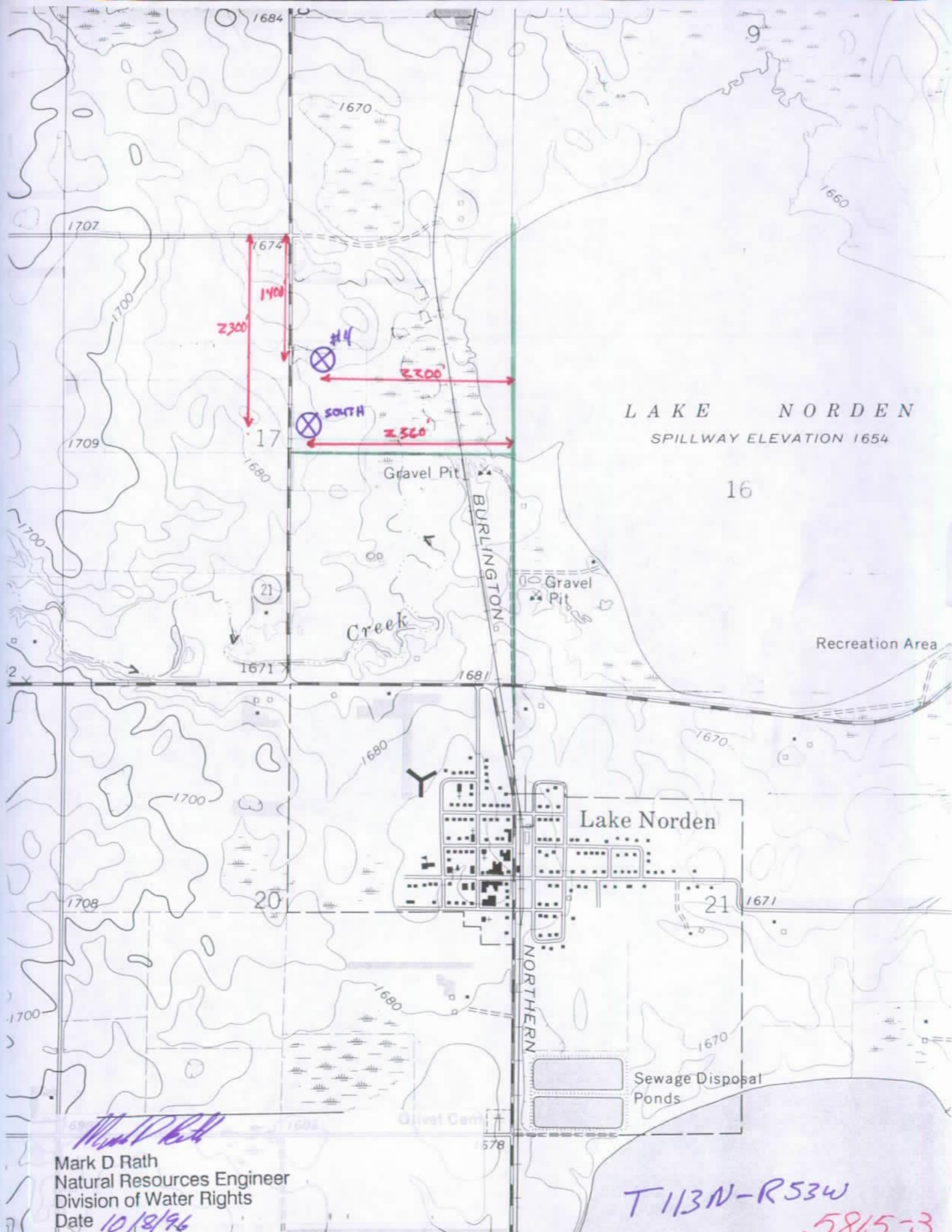
- | | |
|----------------------------------|-----------------------------|
| 1) Make <u>unknown</u> | 2) Model No. <u>unknown</u> |
| 3) Horsepower rating <u>?</u> hp | |

DISTRIBUTION LINES OR CANALS:

- 1) Type pvc 2) Size ? inches 3) Length ? feet

PERMIT QUALIFICATIONS AND REGULATIONS:

- | |
|--|
| 1) Special qualifications to permit being abided by <u>yes</u> |
| 2) All structures, wells and lands on map <u>yes</u> |



LAKE NORDEN
SPILLWAY ELEVATION 1654

16

Recreation Area

Lake Norden

Sewage Disposal
Ponds

Mark D Rath
Natural Resources Engineer
Division of Water Rights
Date 10/8/96

T113N-R53W
5815-3

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5815-3

(1) The City of Lake Norden, Box 213, Lake Norden SD 57248 made Application No. 5815-3, April 6, 1994 for a water permit to divert 0.33 cubic feet of water per second (cfs) (139 acre-feet annually) from groundwater (one additional well), Hamlin County, South Dakota for municipal use purposes. Permit No. 5815-3, with a priority date of March 14, 1977 (established by Future Use Permit No. 4055-3) was approved June 20, 1994 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 20, 1999 and for the application to beneficial use of said water on or before June 20, 2003.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on June 9, 1995. The *Notice* stated the diversion system was completed on November 14, 1994 and the water placed to beneficial use on November 14, 1994.

Water Permit No. 5161-3 authorizes 0.33 cfs (100 acre-feet annually) from one well located SW 1/4 NE 1/4 Section 17-T113N-R53W. Water Permit No. 5499-3 authorized an increase in the annual volume of water from the well authorized by No. 5161-3 from 100 acre-feet to 239 acre-feet with no increase in the diversion rate. The applicable portions of Water Permit Nos. 5161-3 and 5499-3 have been incorporated into Water License No. 5815-3.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.56 cubic feet of water per second (378 acre-feet annually) for beneficial use. The location of the diversion points are: Well #4 - 1,400 feet south and 2,200 feet west; South Well - 2,300 feet south and 2,360 feet west; both from the northeast corner of Section 17-T113N-R53W (SW 1/4 NE 1/4).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use for the City of Lake Norden.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Lake Norden, Box 213, Lake Norden SD 57248 the holder and/or owner of Incorporated Water Permit No. 5815-3 is issued a license to appropriate water, the right to use 0.56 cubic feet of water per second (378 acre-feet annually) from groundwater (two wells) with a priority date of March 14, 1977 (established by Future Use Permit No. 4055-3) from the location specified in (2) of this license, for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 5815-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 25 1998

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

FEB 25 1998

5815-3

City of Lake Norden
%Delores Kangas, Finance Officer
Box 213
Lake Norden, SD 57248

Dear Ms. Kangas:

Enclosed is Water License No. 5815-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 415515 in the amount of \$50.00 which you paid for the investigation and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5815-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures

NOTE: The applicable portions of Water Permit Nos. 5161-3 and 5499-3 have been incorporated into Water License No. 5815-3.