

WATER PERMIT NO. 5787-3

Phone: 232-4276

Name of Applicant: City of N. Sioux City

Post Office Address: 338
PO Box 189, N. Sioux City SD 57049

Amount of Water Claimed: 0.11 add'l Total Acres: NA

Source of Water Supply: groundwater

Water to be used for: municipal County: Union

About _____ miles _____ of _____

PRIORITY Date Received: 9-3-93 Fee: \$150.00 Remarks: Increases

the diversion rate on Water Permit No. 4465-3

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 NW 1/4 Sec 14-T89N-R48W

Land to be Irrigated: _____

	①	1/4			

Well Log: Driller: Nichols Well & Pump Licensed YES _____ NO _____

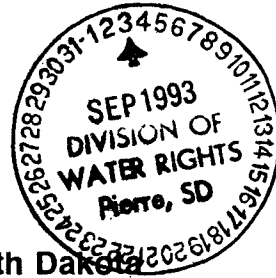
Depth of Well: 240' REMARKS: _____

Type of Map: plat PREPARED BY: Greg Johnston Reviewed and the Number

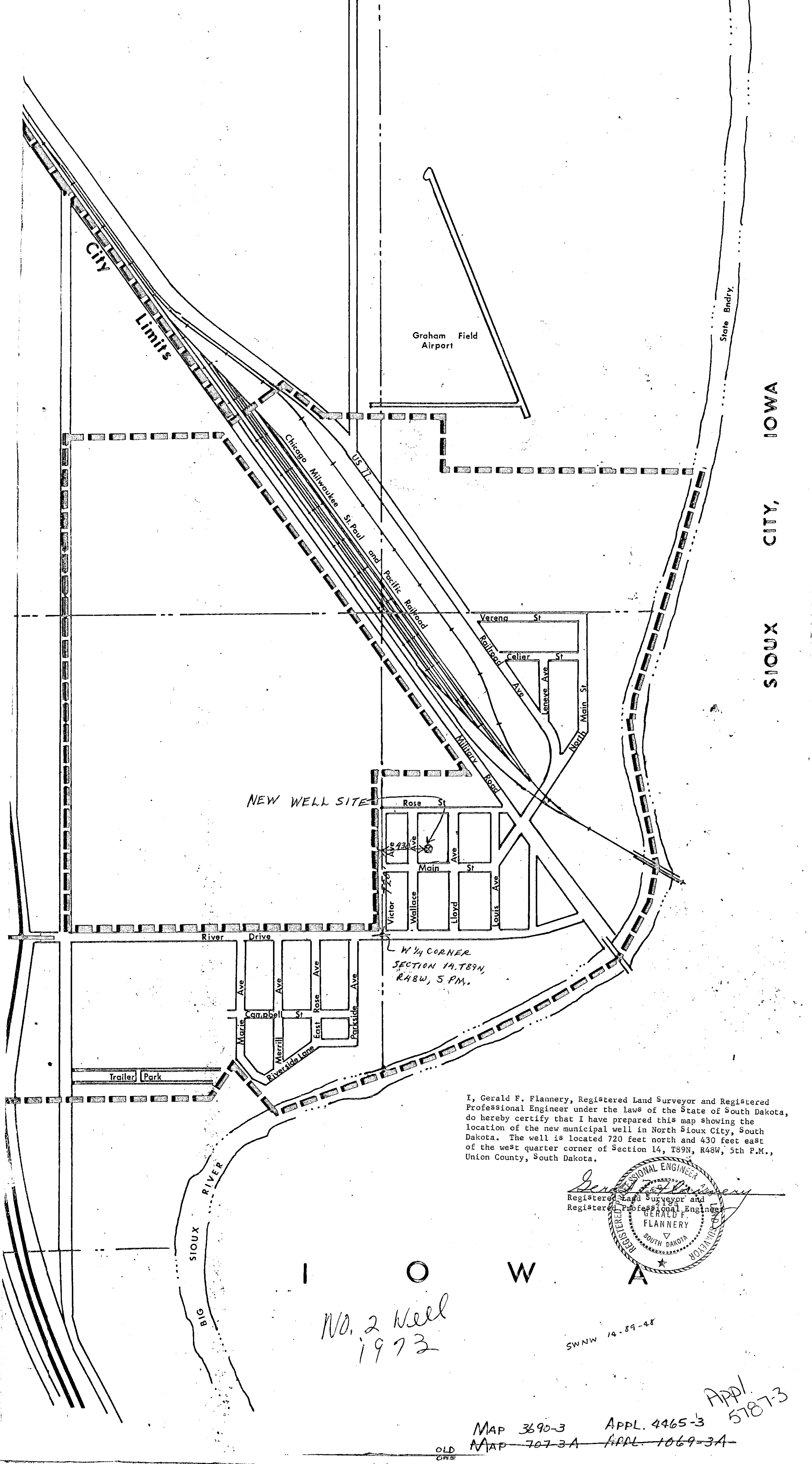
Assigned on: 9-7-93 By: Karen Schlaak

(type or print)

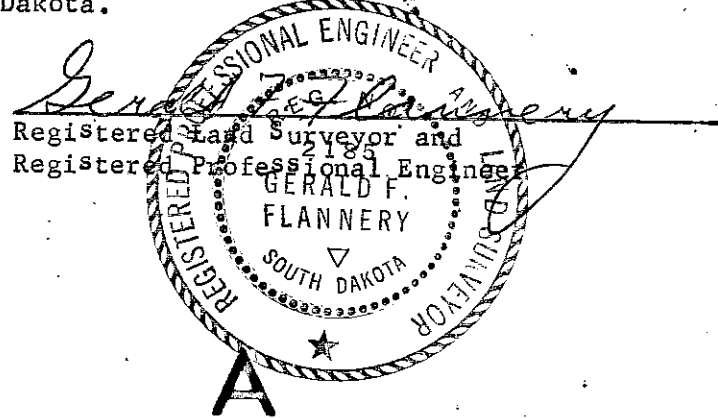
No. 5787-3 Hydrologic Unit 10170203
Basin Big Sioux River
Newspaper Elk Point Leader-Courier, Box 310
(office use only)



7-92



I, Gerald F. Flannery, Registered Land Surveyor and Registered Professional Engineer under the laws of the State of South Dakota, do hereby certify that I have prepared this map showing the location of the new municipal well in North Sioux City, South Dakota. The well is located 720 feet north and 430 feet east of the west quarter corner of Section 14, T89N, R48W, 5th P.M., Union County, South Dakota.



No. 2 Well
1973

SWNW 14-89-48

MAP 3690-3 APPL. 4465-3
MAP 7073A APPL. 1069-3A
OLD ONE

APPL. 5787-3

**SOUTH DAKOTA
WATER PERMIT NO. 5787-3**

Date of first receipt of application September 3, 1993.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5787-3 to City of North Sioux City, PO Box 338, North Sioux City SD 57049 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. 5787-3 appropriates 0.11 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 4465-3. Water Permit No. 4465-3 appropriates 0.56 cfs from one well (Dakota Formation) 240 feet deep located in the SW 1/4 NW 1/4 Section 14-T89N-R48W. This permit increases the water appropriation from the well from 0.56 cfs to 0.67 cfs (0.11 additional cfs).
2. The water appropriated shall be used for the purpose of supplying water to the City 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. 5787-3 is November 15, 1993.
5. The date from which applicant may claim right is September 3, 1993.
6. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

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.

WATER MANAGEMENT BOARD

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

DEC 23 1993
date

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to Form 2)

12. Principal Features of the Proposed Water Supply System (continued).

D. Well Information

- (1) Drill Hole, Diameter 16 inch, Depth 240 ft
- (2) Casing, Type steel (wood, concrete, steel, etc.), Diameter 12 in, Thickness .375
- (3) Screen, Type Johnson, Diameter 8 in, Length 75 ft
- (4) Gravel Pack, Thickness 24 in D, Length of gravel pack 30 ft

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Attach a copy of test well log)

- Depth to top of water bearing material 120 ft
- Depth to bottom of water bearing material 162 ft
- Depth to water (ground surface to water level) 20 ft.

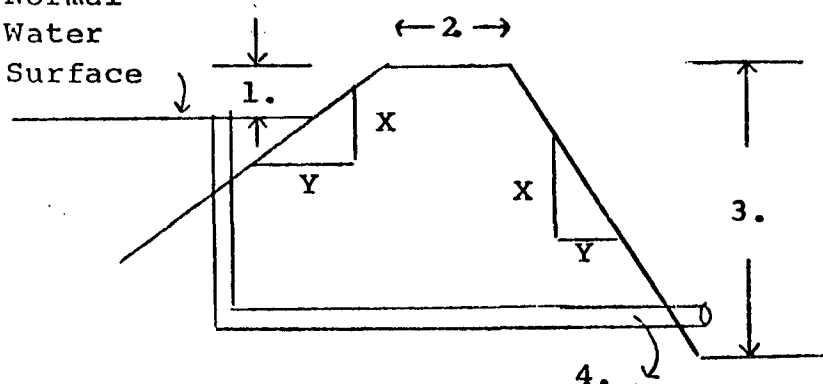
(2) Distance to nearest existing household or livestock watering well.

- On same owner's property _____ rds.
- On property owned by others 25 ft rds.

G. Water Storage Dams

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.

Normal
Water
Surface



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
Pipe diameter _____
Spillway width _____
X & Y slope:
Upstream _____
Downstream _____
Surface area of impoundment _____
Drainage area above dam _____

refer to 'Review & specifications of water well
of No. 10. City' - approved DLS Dept of Health
73-43 - May 15, 1973 - Charles E. Carl

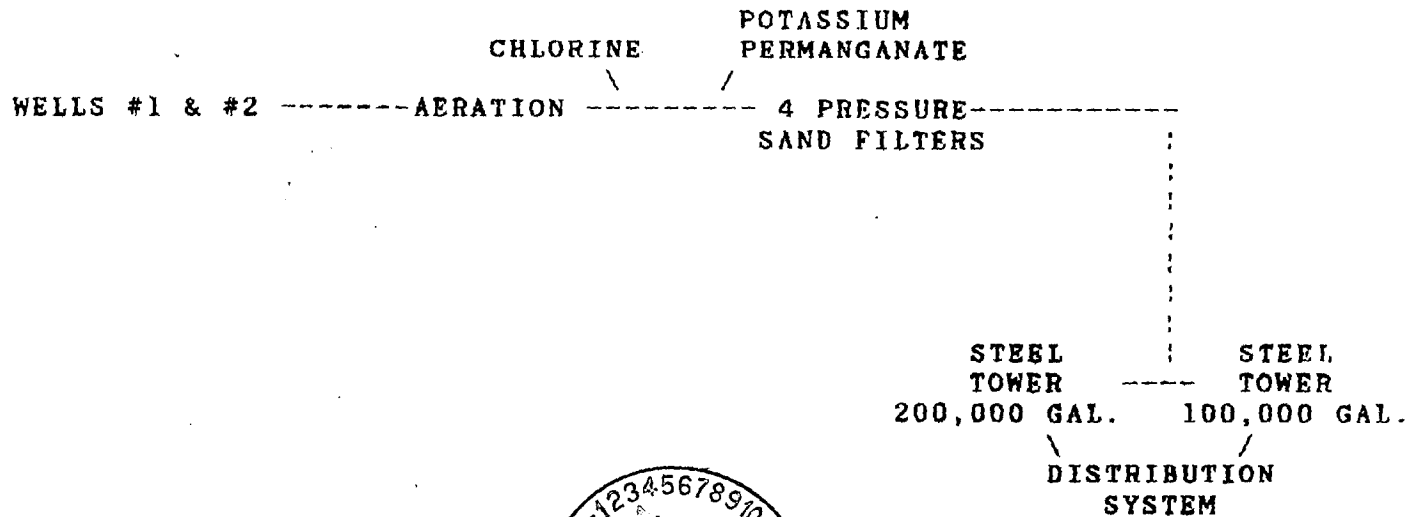
City of No. 10. City
Signature _____ Applicant _____

13. Source Information

North Well

Source Name	Well #1	Well #2		
Date Built	1968	1975		
Diameter	12"	12"		
Depth	240'	240'		
Max. GPM	240	240		
Avg. GPM	200	300		
Status	Active	Active		
Location	In water plant bldg	North of water plant		

14. Flow Diagram



North well

15 Hp Hitachi - Make
230 Volts
3 stages NO.
P.S.I 150 + DH
Motor ~~Model~~ CROWN
model 6-H-300-2A-1B

Replaced Motor + Pump 4-17-90



RECEIPT

413879

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ September 7, 1993

RECEIVED OF City of North Sioux City, Box 338, North Sioux City, SD 57049

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

Fee for Application for Permit No. <u>5787-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	150	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	150 00

By John Hatch
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 3, 1993

Gary Flett
P.O. Box 189
North Sioux City, SD 57049

Dear Mr. Flett:

This letter is in response to our conversation regarding the well under Permit No. 4465-3 used by the City of North Sioux City. Water Permit No. 4465-3 appropriates 0.56 cfs (250 GPM) from the well and an application for the additional 0.11 cfs (50 GPM) that is being diverted is enclosed.

An instruction sheet with the necessary items to complete the application is enclosed. The circled items are to be returned with the application. The application is partially completed. Please complete and notarize the application and submit a \$150 application fee.

Thank you for your time and attention regarding this matter, and if you have any questions, please feel free to contact me.

Sincerely,

Gregory C. Johnston
Natural Resources Engineer
Water Rights Division
(605) 773-3352

enclosures

REPORT ON APPLICATION NO. 5787-3
for North Sioux City
October 6, 1993

Application No. 5787-3 proposes to appropriate an additional 0.11 cfs (50 gpm). Water Permit No. 4465-3 appropriates 0.56 cfs from one well approximately 240 feet deep located in the SW 1/4 NW 1/4 of section 14, T89N R48W in Union County. This application proposes to increase the water appropriation from 0.56 cfs to 0.67 cfs. The water is used for municipal purposes.

AQUIFER - DAKOTA FORMATION (DKOT)

The Dakota Formation is a buried sand, sandstone and clay which is approximately 400 feet thick in this area (Schoon, 1971). The aquifer is under artesian conditions. The aquifer is directly overlain by sand and gravel (Missouri Elk Point aquifer) in this area and is probably hydraulically interconnected, however, layers of shale within the Dakota appear to be partially confining or separating the two aquifers. The Dakota Formation underlies 452 square miles and contains an estimated 7.81 million acre feet of recoverable water in storage in Union County (Hedges, 1982). This is an existing well and has been in use for many years (1975).

The Division of Water Rights does not monitor any observation wells completed into the Dakota Formation in this immediate area. The water levels in the Dakota Formation and in the Missouri Elk Point aquifer appear to be nearly the same. The only Dakota Formation well being monitored in Union County is located over 20 miles northwest of this application. Data for this well show the same characteristics as the wells completed into Missouri Elk Point aquifer. In general, the water levels for the Missouri Elk Point aquifer show good response to climatic conditions, that is, rising during wet years and gradually declining during dry years (Water Rights, 1993).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

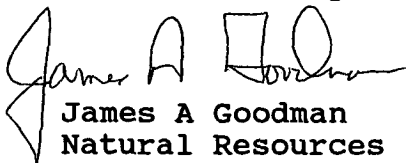
There are no other existing permitted Dakota Formation wells in this immediate area. The aquifer is used for domestic water supplies in the area. The nearest water permits for Dakota Formation water are located about 2 1/2 miles southwest of this application. Interference is not expected to be a concern. Drawdown due to pumping is not expected to be significant very far from the individual production wells.

CONCLUSIONS

1. Water is available from the Dakota Formation.
2. The aquifer is buried beneath the Missouri Elk Point aquifer which is probably in hydraulic connection with the Dakota over much of this immediate area. The aquifer is still

under artesian conditions but with the great potential for downward movement of groundwater. Interference should not be a concern.

3. Harlan Quenzer, Schmucher, Paul & Nohr, reported this well is cased with 164.4' 12" ID casing, 75 feet of Johnson SS screen and 21 feet of SS riser. This would indicate the well is cased through the Missouri Elk Pint Aquifer and is screened in the Dakota Formation only. The work was done by Nicholas Well Drilling.
4. A routine inspection of Water Permit No. 4465-3 found this well was producing 300 gpm instead of the authorized 250 gpm. Approval of this application will allow the licensing of this system for 0.67 cfs.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Hedges, L.S., etal, 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.
- Schoon, R.A., 1971, Geology and Hydrology of the Dakota Formation in South Dakota, R.I. No. 104, SD DENR, SDGS, Vermillion, SD, 57069.
- Water Rights, 1993, Unpublished Observation Well Records for Union County, SD DENR, Division of Water Rights, Pierre, SD, 57501.

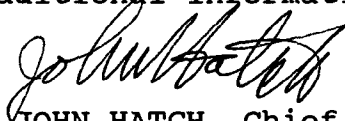
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5787-3, North Sioux City

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. 5787-3, City of North Sioux City, c/o Gary Flett, Water Superintendent, PO Box 189, North Sioux City, SD 57049.

The Chief Engineer is recommending APPROVAL of Application No. 5787-3 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 qualification:

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.

See report on application for additional information.


JOHN HATCH, Chief Engineer
October 14, 1993



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 15, 1993

Elk Point Leader-Courier
Box 310
Elk Point, SD 57025

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5787-3 to be published twice. Please publish the first notice on October 28, 1993, 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 City of North Sioux City, PO Box 189, North Sioux City, SD 57049 (Ph # 232-4276).

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



**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.

October 15, 1993

Gary Flett, Water Superintendent
City of North Sioux City
PO Box 189
North Sioux City, SD 57049

Dear Mr. Flett:

Water Permit Application No. 5787-3 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 Elk Point Leader-Courier printed at Elk Point, SD (Ph # 356-2632). 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.

Instruction to Newspaper - Publish first Notice on October 28, 1993, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 5787-3 to Appropriate Water

336 Notice is given that the City of North Sioux City, c/o Gary Flett, Po Box 189, North Sioux City, SD 57049 has filed an application for a water permit to appropriate 0.11 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 4465-3. Water Permit No. 4465-3 appropriates 0.56 cfs from one well (Dakota Formation) 240 feet deep located in the SW 1/4 NW 1/4 Section 14-T89N-R48W. This application proposes to increase the water appropriation from the well from 0.56 cfs to 0.67 cfs (0.11 additional cfs). The water is for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5787-3 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. 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 November 15, 1993.

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. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
 County of Union) ss



I, Lester E. Emerson

certify that the attached printed Notice was

taken from the _____

The Leader-Courier

printed and published in Elk Point S. D.

County of Union and State of

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

October 28, 1993

November 4, 1993

Cost of Printing: 36 34

Lester E. Emerson
 (Signature)

Publisher Editor

(Title)

November 4, 1993

(Date Signed)

NOTICE OF APPLICATION

NO. 5787-3 TO

APPROPRIATE WATER

Notice is given that the City of North Sioux City, c/o Gary Flett, PO Box 338, North Sioux City, SD 57049 has filed an application for a water permit to appropriate 0.11 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 4465-3. Water Permit No. 4465-3 appropriates 0.56 cfs from one well (Dakota Formation) 240 feet deep located in the SW 1/4 NW 1/4 Section 14-T89N-R48W. This application proposes to increase the water appropriation from the well from 0.56 cfs to 0.67 cfs (0.11 additional cfs). The water is for municipal use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5787-3 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. 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.

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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. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.
 Pub. Oct. 28 and Nov. 4



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

DEC 23 1993

Gary Flett, Water Superintendent
City of North Sioux City
PO Box 338
North Sioux City, SD 57049

Dear Mr. Flett:

Enclosed is Water Permit No. 5787-3 authorizing your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

The final inspection has been completed on this Permit, and we are ready to issue the Water License. Statutes require we charge \$50 for the inspection and issuance of the final papers. Upon receipt of this amount the Water License will be sent to you.

Very truly yours,

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

enclosures

RECEIPT

413985

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, January 7, 19 94

RECEIVED OF City of North Sioux City, Box 338, North Sioux City, SD 57049

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>5787-3</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. 4465-3
Big Sioux River - Water District

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

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

I have this day made a thorough examination of the water use system constructed by City of North Sioux City of P.O. Box 189, Sioux City, SD 57049 holder of Permit No. 4465-3, bearing the priority of January 11, 1980 authorizing the diversion of 0.56 cu. ft. per second of the waters of the Missouri-Elk Point Aquifer for municipal purposes, in Union County.

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

A. Works used to divert the water:

One well - 240' deep with 165' of 12' Steel casing and 75' of 8" Johnson Stainless Steel screen, Hitachi pump, 6", 300 GPM @ 150 PSI, Crown Motor, Model No. 6-H-300A-2A-1B, 15 HP

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

60' of 6" PVC

C. Works used to apply water to beneficial use:

System includes treatment plant and lines to 100,000 and 300,000 gallon towers and lines to homes in North Sioux City

The system is in the following condition good. The point of diversion is located 1920'S and 420'E of the NW corner of Section 14-T89N-R48W. The works are capable of diverting and conveying to the place of use 0.67 cu. ft. per second of water which is to be used for municipal purposes. Water has been put to beneficial use. The license should be issued for 0.56 cfs. Applicable permit qualifications have been complied with: Yes X No

Exceptions to compliance are: None

Date: 6/22/93



Gregory C. Johnston
Natural Resources Engineer
DENR, Water Rights Division

NOTE: WATER PERMIT NO. 5787-3 WAS OBTAINED TO INCREASE THE DIVERSION RATE AUTHORIZED BY WATER PERMIT NO. 4465-3 FROM 0.56 CFS TO 0.67 CFS (AN ADDITIONAL 0.11 CFS)

THE APPLICABLE PORTIONS OF WATER PERMIT NO. 4465-3 WILL BE INCORPORATED INTO WATER LICENSE NO. 5787-3

REPORT ON INSPECTION OF PERMIT NO. 4465-3

DATE: 6/22/93

Other permit(s) associated with the project: 1609-3

DIVERSION POINT LEGAL LOCATION: 1920'S and 420'E of the NW corner of Section 14-T89N-R48W

WELL INFORMATION:

1) Well Drilling Firm: Nichols Well and Pump

Company

2) No. of Wells 1

3) Depth(s) 240 feet

4) Well log is available Y/N N

5) Comment:

Casing:

1) Diameter 12 inches

2) Length 165 feet

3) Type Steel

Screen:

1) Type 8" Johnson stainless steel

2) Length 75 feet

3) Static water level 20 feet

Pump:

1) Make Hitachi

2) Model unknown

3) Size 6"

4) Capacity 300 GPM

Motor:

1) Make Crown

2) Model No. 6-H-300-2A-1B

3) Horsepower rating 15 hp

DISTRIBUTION LINES OR CANALS:

1) Type PVC 2) Size 6 inches 3) Length 60 feet

SYSTEM TYPE:

System includes treatment plant and lines to 100,000 and 300,000 gallon towers and lines to homes in North Sioux City

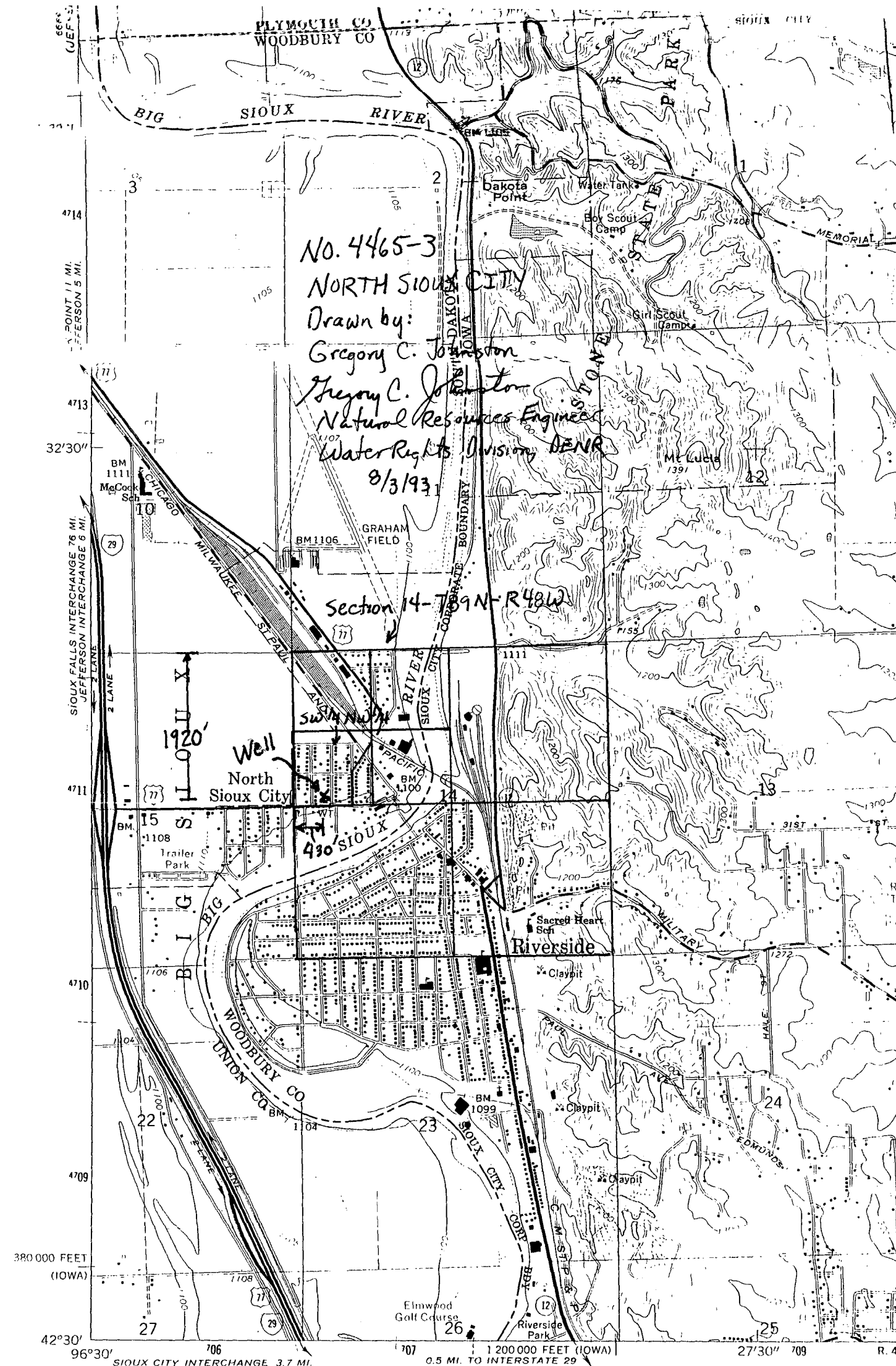
CHEMIGATION EQUIPMENT:

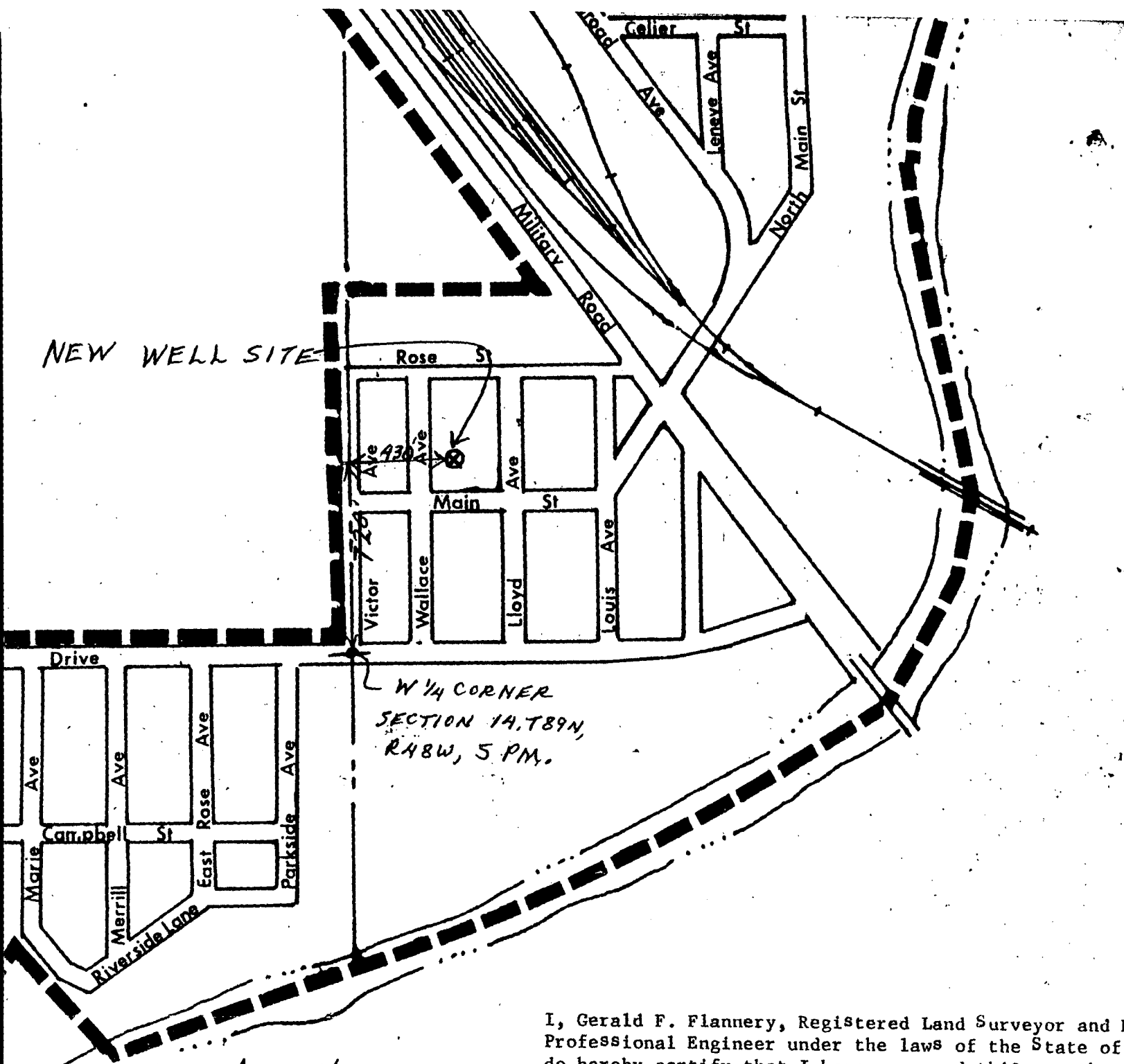
1) Does chemigate Y/N N/A

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit Y/N N/A
- 2) Special qualifications to permit being abided by Y/N Y
- 3) All structures, wells and lands on map Y/N Y
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y/N N/A

Presently, an application to permit an additional 0.11 cfs (50 GPM) from this well is being processed. At such time as this permit is approved, it can be incorporated into this license.





I, Gerald F. Flannery, Registered Land Surveyor and Professional Engineer under the laws of the State of South Dakota, do hereby certify that I have prepared this map showing the location of the new municipal well in North Sioux City, South Dakota. The well is located 720 feet north and 430 feet west of the west quarter corner of Section 14, T89N, R48W, Union County, South Dakota.

Appl. Map
Well location correct
Based on inspection

6/22/93

Gregory C. Johnston

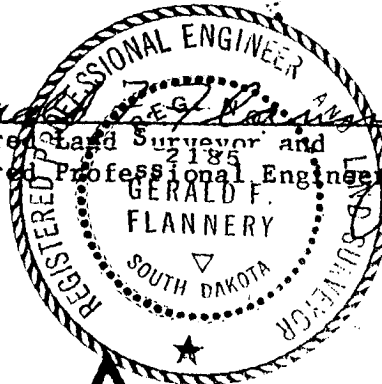
Gregory C. Johnston

Natural Resources
Engineer

Water Rights Division,
DENR

8/3/93

Gerald F. Flannery
Registered Land Surveyor and
Registered Professional Engineer



I O W A

No. 2 Well
1973

SWNW 14-89-48

MAP 3690-3

APPL. 4465-3

OLD

MAP 7073A

APPL. 1069-3A

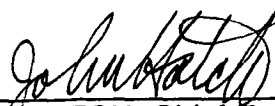
STATE OF SOUTH DAKOTA
WATER LICENSE NO. 5787-3

(1) City of North Sioux City of PO Box 338, North Sioux City SD 57049 made Application No. 5787-3, September 3, 1993 for a water permit to appropriate an additional 0.11 cubic feet of water per second from groundwater (one well), Union County, South Dakota for municipal purposes. Permit No. 5787-3, with a priority date of September 3, 1993 was approved November 15, 1993 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 5787-3 authorizes an increase in the water appropriation from the well authorized by Water Permit No. 4465-3. The applicable portions of Water Permit No. 4465-3 have been incorporated into this Water License No. 5787-3. A priority date of January 11, 1980 (established by No. 4465-3) is retained for 0.56 cfs. A priority date of September 3, 1993 (established by No. 5787-3) is retained for 0.11 cfs.

(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 0.67 cubic feet of water per second for beneficial use. The location of the diversion point is 1920 feet S and 420 feet E of the NW corner of Section 14-T89N-R48W (SW 1/4 NW 1/4).

(3) Pursuant to South Dakota Water Law 46-5-30.1 the City of North Sioux City of PO Box 189, North Sioux City SD 57049 the holder and/or owner of Incorporated Water Permit No. 5787-3 is issued a license to appropriate water, the right to use 0.67 cubic feet of water per second from groundwater (one well) with priority dates of January 11, 1980 (0.56 cfs) and September 3, 1993 (0.11 cfs) from the location specified in (2) of this license. The water is to be used for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 5787-3 and subject to South Dakota State Law.



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

AUG 19 1994

date



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 19 1994

5787-3

Gary Flett, Water Superintendent
City of North Sioux City
P.O. Box 189
North Sioux City, SD 57049

Dear Mr. Flett:

Enclosed is Water License No. 5787-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413985 in the amount of \$50.00 which you paid for the inspection 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. 5787-3, 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 Division
(605) 773-3352

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enclosures

NOTE: The applicable portions of Water Permit No. 4465-3 have been incorporated into this Water License No. 5787-3.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

FEB 10 2011

5787-3
6872-3

Tonya Rubida, Finance Officer
City of North Sioux City
504 River Dr
North Sioux City SD 57049

Dear Ms. Rubida:

Enclosed is Water License No. 6872-3 for the city of North Sioux City. This is the final water right document completing the process of obtaining a Water Right. Included with the license is a map prepared by the staff engineer who conducted the field investigation.

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. 6872-3, 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.

The applicable portions of Water Right No. 5787-3 were incorporated into Water License No. 6872-3. 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.

Sincerely,

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

enclosures