

WATER PERMIT NO. 5233-3

HAP No. Same 886-5733

-Name of Applicant City of Watertown

Post Office Address 901 4th Avenue S.W.

Amount of Water Claimed 2.7 cfs Total Acres NA

Source of Water Supply groundwater - 3 wells

Water to be used for municipal purposes County Codington

About 2 miles NW of Watertown, SD.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved 1/25/89 Subject to _____

F.F.& C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received Oct 4, 1985 Fee 575⁰⁰ Remarks This appl.

8/26/74
9/2/65

comes out of Future Use Permit No. 1218-3

Corrected Application Received Oct. 19, 1988 Period of Annual Use Jun 1-Dec 31

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

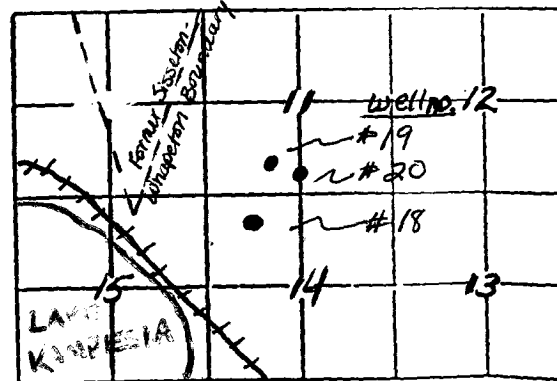
WI-1 Description same as Application YES NO REMARKS _____

Diversion Point well #18: N $\frac{1}{2}$ SW $\frac{1}{4}$ Sect 14 - T17N-R53W

well # 19 :: SE 4 SW 4 Sect 11 - "

Well #20: SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sect 11 - "

Land to be irrigated none



Well Log: Driller Bullis Brothers Licensed YES X NO

Depth of Well. 35' REMARKS Test hole logs

Type of Map plan map PREPARED BY Saryl England Reviewed and the Number (Planner)

assigned on Oct. 13, 1988 By Shirley A. Bowser

No. 5233-3 Hydrologic Unit 10170202
 Map No. Same Basin Big Sioux R
 Newspaper Watertown Public Opinion

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 18gpm) 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 retainedChange 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. 1218-3 & 2107-31. Name of Applicant City of Watertown Phone No. (605)886-5733Post Office Address 901 4th Avenue S.W., Watertown State S.D. 57201
(Street, RR or Box) (City) Zip Code2. Amount of water claimed (c.f.s) 3 wells @ 0.9 CFS each = 2.7 CFS Total3. Source of water supply Shallow underground aquifer4. Location of point of diversion See attached map.

Well No. 18 -- 1658°S48°19'W; Well No. 19 -- 1090°N43°43'W; Well No. 20-585°N4°27'W.
N½NW¼ Sec 14, SE¼SW¼ Sec 11, SE¼SW¼, SW¼SE¼ Sec 11 all in; T117N-R53W.
all from N¼ Cor., Sect. 14, T117N, R53W. County Codington

5. Counties where water will be used Codington6. Annual period during which water is to be used January 1 through 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)

3 shallow wells: Well Nos. 18, 19 and 20 to have 400 GPM submersible turbine pumps.

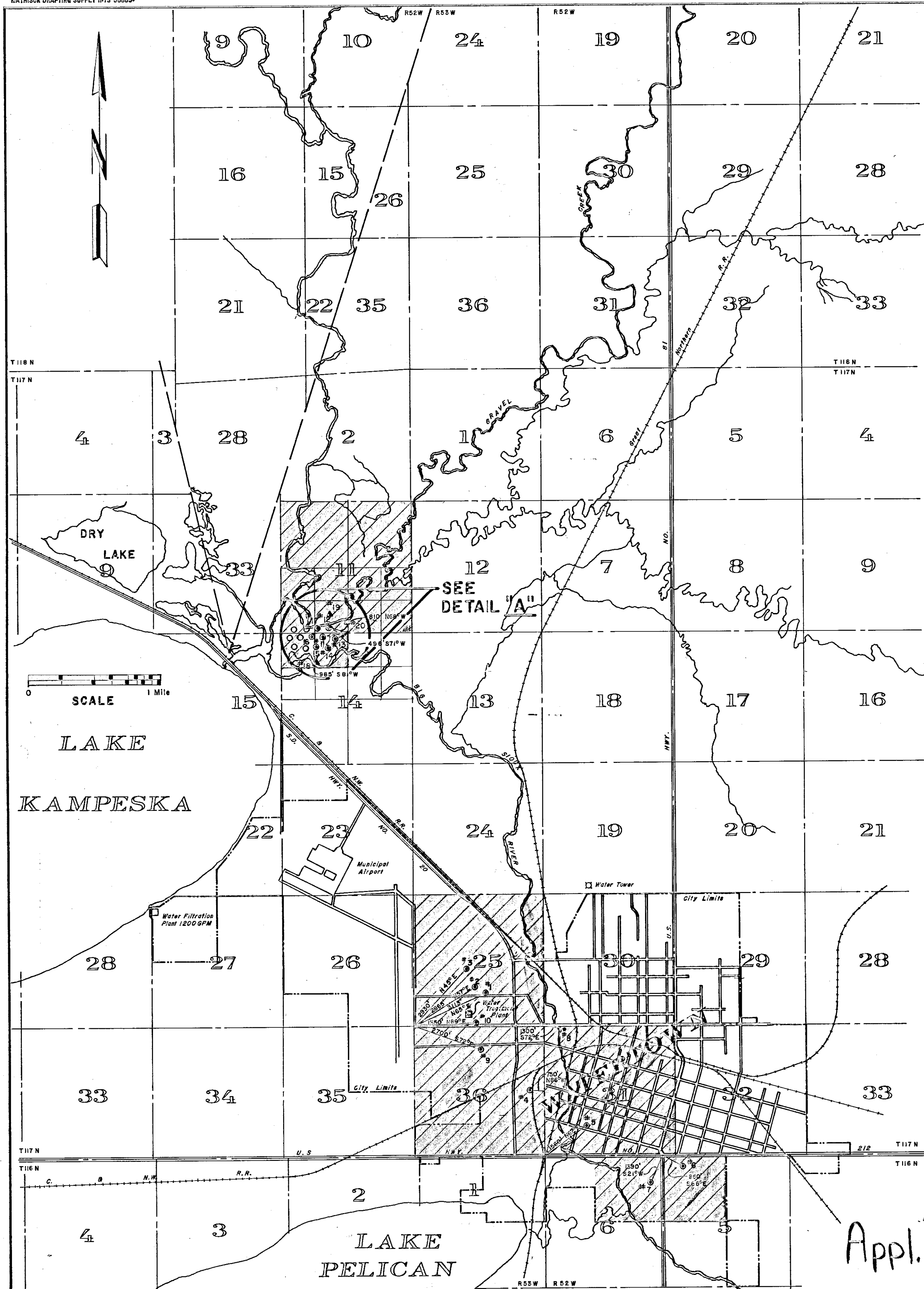
Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
 County of Codington)^{ss}

I, Donald Smith, President, Utility Board 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 Donald SmithSubscribed and sworn to before me this 3rd day of October 1988

Ronnie M. Thompson
 Notary Public



Areas Covered By Water Rights For
For Future Use (Future Use Permit 1218-3)

SOURCE	RATE	LEGAL LAND TIES
Lake Kampeska	1200	W1/4 Cor. 27-117-53
Well No. 1	360	SW Cor. 25-117-53
Well No. 2	400	SW Cor. 25-117-53
Well No. 3	360	SW Cor. 25-117-53
Well No. 4	504	SW Cor. 25-117-53
Well No. 5	504	SW Cor. 31-117-52
Well No. 6	504	NW Cor. 5-116-52
Well No. 7	504	NE Cor. 6-116-52
Well No. 8	350	NW Cor. 31-117-53
Well No. 9	250	NW Cor. 36-117-53
Well No. 10	360	SW Cor. 25-117-53
Well No. 11	400	N1/4 Cor. 14-117-53
Well No. 12	400	N1/4 Cor. 14-117-53
Well No. 13	400	N1/4 Cor. 14-117-53
Well No. 14	350	N1/4 Cor. 14-117-53
Well No. 15	350	N1/4 Cor. 14-117-53
Well No. 16	550	N1/4 Cor. 14-117-53
Well No. 17	400	N1/4 Cor. 14-117-53
Well No. 18	400	N1/4 Cor. 14-117-53
Well No. 19	400	N1/4 Cor. 14-117-53
Well No. 20	400	N1/4 Cor. 14-117-53
TOTAL	9,346 G.P.M. = 20.8 cfs.	

- Existing Wells
- ▲ New Well For Which Permit For
Diversion is Made.
- Future Wells For Which Future
Diversion Permits Will Be Made.

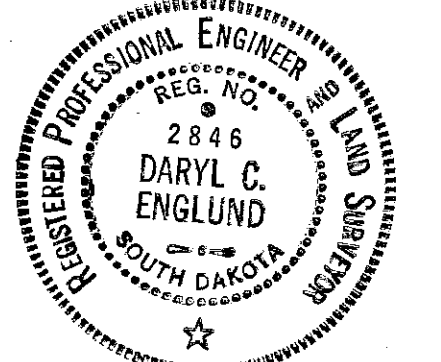
SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

I, DARYL ENGLUND, A REGISTERED LAND SURVEYOR IN THE STATE OF SOUTH DAKOTA, DO HEREBY CERTIFY THAT AT THE REQUEST OF THE CITY OF WATERTOWN, 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 AN APPROPRIATE WATER RIGHTS TO WITHDRAW UNDERGROUND WATERS FOR MUNICIPAL PURPOSES IS MADE, AND THAT THIS MAP IS A TRUE REPRESENTATION THEREOF.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 29th DAY OF September, A.D. 1988.

Daryl Englund
REGISTERED LAND SURVEYOR

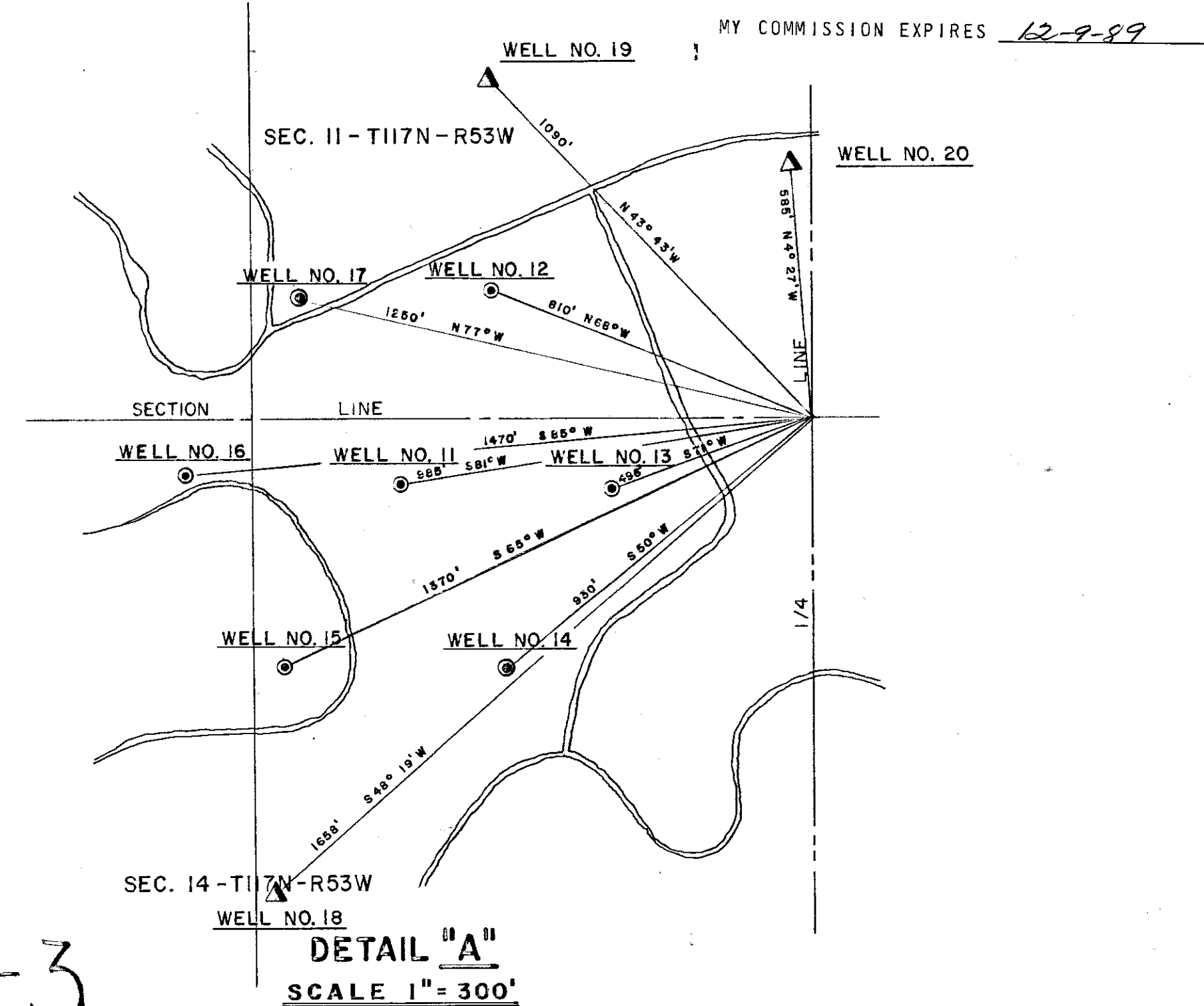
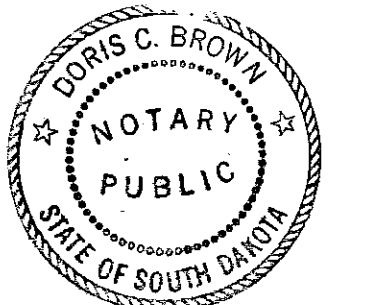


STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

ON THIS DAY, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC WITHIN AND FOR SAID STATE AND COUNTY, PERSONALLY APPEARED DARYL ENGLUND, KNOWN TO ME TO BE THE PERSON WHO EXECUTED THE FOREGOING SURVEYOR'S CERTIFICATE AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME.

WITNESS MY HAND AND SEAL THIS 29th DAY OF September, A.D. 1988.

David C. Brown
NOTARY PUBLIC



Appl. No. 5233-3

Drawn By: R.A.R.
APPROVED: _____
DATE: _____
Checked By: K.J.B.
APPROVED: _____
DATE: _____ FOR J. T. BANNER & ASSOC., INC.

J.T. Banner & Associates, Inc.

10024 56th Street, Brookings, South Dakota 57005 (605) 682-6342

REVISION	DATE	DESCRIPTION	MADE	APPR.
1	5/12/76	DIVERSION FOR WELLS 18 & 16 APPLICATION	R.A.R.	K.J.B.
2	9/29/88	DIVERSION FOR WELLS 19, 19 & 20 APPLICATION	G.A.M.	R.L.B.

MUNICIPAL UTILITIES BOARD — WATERTOWN, SOUTH DAKOTA

WATER RIGHTS MAP

SHOWING LOCATIONS FOR FUTURE WATER RIGHTS, EXISTING DIVERSION POINTS, AND PROPOSED DIVERSION POINTS FOR PERMIT TO APPROPRIATE WATER FOR CITY OF WATERTOWN, SO. DAK.

Scale: 2" = 1 Mile
Project No. 6461-1
Date: March, 1975
Sheet No. 1 of 1

SOUTH DAKOTA
WATER PERMIT No. 5233-3

Date of first receipt of application October 4, 1988

Date of return to applicant for correction, amendments or changes required October 17, 1988

Date of receipt of corrected application November 2, 1988

The Water Management Board approved Water Permit Application No. 5233-3

on January 25, 1989 for the City of Watertown
(Applicant)

901 4th Avenue SW Watertown SD 57201
(Street, RR or Box) (City) (State) (Zip Code)

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. 5233-3 is to construct and place to beneficial use 2.70
cubic feet of water per second reserved by Future Use Permit Nos.
1218-3 and 2107-3. The project is to consist of 3 wells (Big Sioux-
North Aquifer) approximately 35 feet deep to be located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$,
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11; N $\frac{1}{2}$ NW $\frac{1}{4}$ Section 14; all in T117N-R53W.
2. The water appropriated shall be used for the purpose of supplying the City of Watertown

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
August 26, 1974, (0.9 cfs from 1 well, Sec 14)
4. The date from which applicant may claim the right is September 2, 1965 (1.8 cfs from 2 wells, Sec. 11)
5. One-fifth of the construction is to be completed on or before July 25, 1991
6. All construction is to be completed on or before January 25, 1994
7. Water is to be put to beneficial use on or before January 25, 1998
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. Wells authorized by Permit No. 5233-3 shall be spaced at least 500 feet apart and at least 500 feet from other wells and at least 500 feet from the Sioux River.
2. The wells authorized by Permit No. 5233-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chpater 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
3. The wells 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: 
Chief Engineer

Division of Water Rights
Dept. of Water and Natural Resources

MAR 10 1989

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 30 inches Depth 40 feet
- b) Casing Type Steel Diameter 18 inches Thickness 0.375 inches
- c) Screen Type Stainless steel Diameter 18 inches Thickness wire-wrapped
- d) Gravel Pack Thickness 6 inches Length of Gravel Pack 30 feet
Well No. 18 9½ feet Well No. 20 7 feet
- e) Depth to Top of Water Bearing Material Well No. 19 9 feet
Well No. 18 6'9" Well No. 29 7'10"
- f) Depth to Water (ground surface to water level) Well No. 19 7'8"
- g) Distance to nearest existing domestic well:
Well Nos. 18 & 19 500 feet
On applicants property Well No. 20 - 750 ft. On property owned by others One-half 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 ----

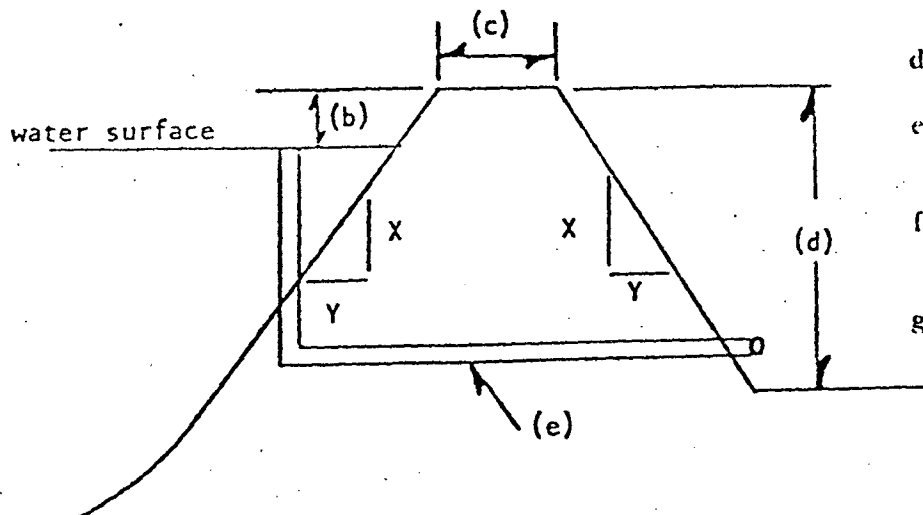
g) X & Y Slope
Upstream ----

Downstream ----

Surface Area of Impoundment ----

Storage ---- acre feet

Drainage area above dam ----



Signature of Applicant

Donald Smith

President, Utility Board

BULLIS BROTHERS

LeRoy Bullis
1201 Karen Street
886-4044

Well Boring
Trenching
Water and Sewer System
1201 Karen Street
Watertown, South Dakota 57201

Duane Bullis
1120 North Broadway
886-6746



Drilling Log

Date 8-26 1988

Name Watertown, City of
Address _____
City & State _____
County _____
Test Hole #6
_____ 1/4 _____ 1/4 Sec _____ Twp _____ Rg _____

Formation	From	To
Black Soil	0	3
Grzy Clay	3	9 1/2
Med To Course		
Grzy Sand	9 1/2	20
Course Grzy Sand	20	25
Med Grzy Sand	25	31
Blue Clay	31	35
A lot of Shale		
+ Coal like		
Material from		
9 1/2' To 20'		
Also Shale in		
Sand from 20'		
31'		

Casing		
Length	Diam.	Type
Screen		
Length	Diam.	Slot & Type
Completed depth _____		
Comments <u>Static</u>		
<u>Water Level</u>		
<u>6.72'</u>		

Duane C Bullis

Lucas C Berly

LeRoy Bullis
1201 Karen Street
886-4044

Well Boring
Trenching
Water and Sewer System
1201 Karen Street
Watertown, South Dakota 57201

Duane Bullis
1120 North Broadway
886-6746



Drilling Log

Date 9-10 1988

Name Watertown, City of
Address _____
City & State _____
County _____

Test Hole # 15

1/4 1/4 Sec Twp Rg
Far E NE Side

Formation	From	To
Black Soil	0	4
Brownish Gray Clay	4	7
Very Course Gray	7	15
Sand + Gravel - Clean	15	20
Course Gray Sand	20	30
w/ clay lenses	30	33 1/2
Gray fine to med	33 1/2	40
Sand w/ some course	40	40
Gray fine sand		
Clean		
Brownish yellow		
clay		

Casing		
Length	Diam.	Type
Screen		
Length	Diam.	Slot & Type
Completed depth _____		
Comments _____		

Duane C Bullis

BANNER

BANNER ASSOCIATES, INC.

JOB NO.

7327-05

JOB

WATERTOWN WATER SUPPLY - WATER RIGHTS

CALCULATED BY

BB

DATE

9/28/33

CHECKED BY

DATE

SHEET NO.

1

OF

1

FILING FEE - 1200 GPM

FIRST 75 GPM

\$ 150⁰⁰

SECOND 75 GPM

75⁰⁰

EACH ADD'NL 75 GPM .00

FRACTION THEREOF @ 25⁰⁰

1200 - 75 - 75 = 1050

÷ 75 = 14

14 x 25⁰⁰

350⁰⁰

TOTAL FILING FEE

\$ 575⁰⁰

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-65

Location _____ No. _____ Twp. _____ Rg. _____

County _____
Codington

Plate _____

Please mark well location with
a "X"

W



E

Well # 18Drilled by
Test Hole # 6Well Completion Date 6-16-87

PROPOSED USE

☐ Domestic ☒ Municipal ☐ Test Lines
☐ Irrigation ☐ Industrial ☐ Stock
Method of Drilling Boring w/ a Tur
Filled Hole

CASING DATA

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>1/2"</u> <u>LMFT</u>	<u>18</u> <u>IN</u>	<u>0</u> <u>FT</u>	<u>31</u> <u>FT</u>	<u>24</u> <u>IN</u>
_____ <u>LB/FT</u>	_____ <u>IN</u>	_____ <u>FT</u>	_____ <u>FT</u>	_____ <u>IN</u>
_____ <u>LB/FT</u>	_____ <u>IN</u>	_____ <u>FT</u>	_____ <u>FT</u>	_____ <u>IN</u>
_____ <u>LB/FT</u>	_____ <u>IN</u>	_____ <u>FT</u>	_____ <u>FT</u>	_____ <u>IN</u>

GROUT

Was the well grouted? ☒ YES ☐ NOTo what depth? 11 FEETWhat is grouting material? Cement

If cement, number of sacks? _____

Describe grouting procedure Pressure Grouted
Through Forming pipe

What was grout weight? _____ LB TON

SCREEN ☐ Perforated pipe ☒ ManufacturedDiameter 18 IN Length 10 FEETMaterial Stainless SteelSlot Size 250 Set From 31 Feet To 31 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☒ YES ☐ NOIf so, what detail? Clay Plug SealRemarks (packer(s) and location) 11' - 12'Was well disinfected upon completion? ☒ YES ☐ NODisinfectant used ChlorineBacteriological analysis ☒ YES ☐ NOLab story sent to Handled by

Well Owner _____

Name Charles J. KellyAddress 211 S. 1st St.

Well Log _____

Estimate _____

Stratigraphy	Depth	Feet
<u>Black Soil</u>	<u>0</u>	<u>3</u>
<u>Gray Clay</u>	<u>3</u>	<u>9 1/2</u>
<u>Med. to Co. Sand</u>	<u>9 1/2</u>	<u>26</u>
<u>Coarse Gray Sand</u>	<u>26</u>	<u>45</u>
<u>Med. to Co. Sand</u>	<u>45</u>	<u>51</u>
<u>Blue clay</u>	<u>51</u>	<u>75</u>

STATIC WATER LEVEL (8-26-80) 6-22 FEET

If flowing, closed to surface _____ PSI

SPM flow _____ through _____ with pipe

Controlled by ☐ Valve ☐ Regulator ☐ Other

If other, describe _____

Can well be completely shut in?

WELL TEST DATA

☒ Pumped Pump on 0.75
☐ Bailed Controlled by
☐ Other Pressure Apparatus

Pumping Level Below Land Surface

Flow	After	Run	Time	QPM
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

REMARKS

This well was drilled under license # 4

and this report is filed with details

Drawing from Butler Bros.

Signature of _____

Signature of _____

Signature of _____

Date 6-16-87

AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROFILM/PHOTODUPLICATION.

REDUCTION 35% ROLL NO. 11-3

DATE MICROFILMED 3-9-90

CAMERA OPERATOR _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location: _____

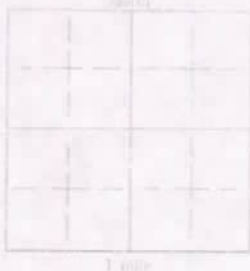
County: Codington

Please mark well location with an "X"

Well # 19

Drilled by Test Hole #7

Well Completion Date: 6-16-89



PROPOSED USE

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

Method of Drilling: Beams w/ auger
Filled Hole

CASING DATA

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>1/2"</u>	<u>18"</u>	<u>0</u>	<u>26</u>	<u>31"</u>
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? 11 FEET

What is grouting material? Cement

If cement, number of sacks? _____

Describe grouting procedure: Pressure Grout
Through Tremie Pipe

What was grout weight? _____ LB/BAL

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter: 18 IN Length: 10 FEET

Material: Stainless Steel

Slot Size: 1/2" Set From: 26 Feet To: 36 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? Clay Plug Seal

Describe packer/seal and location? 11' - 12'

Was well constructed using compressed air? ☒ YES ☐ NO

Notes: Check and during Ground Pumping

Examination of analysis: ☒ YES ☐ NO

Laboratory sent to: Handled by Ramer Associates

State: SD County: Codington

Section: 10N 10E Township: 10S

Well Log

Formation	From	To
<u>1st-2nd sand</u>	<u>0</u>	<u>3</u>
<u>Coarse clay</u>	<u>3</u>	<u>4 1/2</u>
<u>yellow sand</u>	<u>4 1/2</u>	<u>9</u>
<u>Med. Coarse sand</u>	<u>9</u>	<u>22</u>
<u>Coarse Coarse sand</u>	<u>22</u>	<u>36</u>

STATIC WATER LEVEL: (8.26 88) 2.47 Feet

At flowing, stated in previous _____

GPM flow: _____ through _____ inch pipe

Controlled by: ☐ Valve ☐ Reducers ☐ Other

If other specify _____

Can well be completely shut off? _____

WELL TEST DATA

☒ Pumped Pumping Data
☐ Bailed Collected by
☐ Other Ramer Assoc., Inc.

Pumping Level Below Land Surface

After	Yes	pumped	GPM	
11	After	Yes	pumped	GPM
11	After	Yes	pumped	GPM

REMARKS

Test well was drilled under license # 4

And this report is true and accurate

Drilling firm: Buller Bros

Signature of license representative: [Signature]

Signature of Well Owner: _____

Date: 6-16-89

STATE OF SOUTH DAKOTA - BUREAU OF ADMINISTRATION - OFFICE OF RECORDS MANAGEMENT - CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY THAT THE MICROPHOTOGRAPHIC IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE ORIGINAL RECORD AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILED LAW 1-27-41. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTOGRAPHIC REPRODUCTIONS.

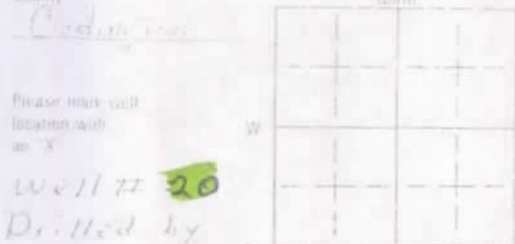
REDUCTION: 35X ROLL NO: 11-3 DATE MICROFILMED: 3-9-90 CAMERA OPERATOR: _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location Twp. Sec. Range

County North



Please mark well location with an 'X'

Well # 20

Drilled by Test Hole #15

Well Completion Date 6-16-88

PROPOSED USE

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock
Method of Drilling Boring w/ 1 1/2" bit
Filled Hole

CASING DATA

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
1/2" 40 FT	18 IN	0 FT	23 1/2 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? 11 FEET

What is grouting material? Cement

If cement, number of sacks?

Describe grouting procedure Pressure Grout
Through Tremie Pipe

What was grout weight? LB/GAL

SCREEN ☐ Perforated pipe ☒ Manufactured

Diameter 18 IN Length 10 FEET

Material ST-101/105 ST-11

Slot Size 100 Set From 23 1/2 Feet To 23 1/2 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? Clay Plug Seal

Describe packer(s) and location? 11' - 12'

Was well disinfected upon completion? ☒ YES ☐ NO

Explain Chlorinated during Grout Packing

Bacteriological analysis ☒ YES ☐ NO

Laboratory sent to Handled by Bunker

Well Owner

Name U. S. Post Office Box 23

Address 12 W. 1st St. S.D. 57201

Well Log Depth

Formation	From	To
Black Sand	0	4
Heavy Gray Clay	4	7
Heavy Brown Clay Sand	7	15
+ Gravel - Clay	7	15
Coarse Gray Sand	15	20
w/ Clay lenses	15	20
Coarse Brown Sand	20	30
Coarse Brown Sand	20	30
Coarse Brown Sand	30	33 1/2

STATIC WATER LEVEL (9-10-88) 8.0 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 off?

WELL TEST DATA

☒ Pumped☐ Bailed☐ Other

Describe: Pumping Date

Controlled by

Bunker Associates

Pumping Level Below Land Surface

ft. After Hrs. pumped GPM

ft. After Hrs. pumped GPM

ft. After Hrs. pumped GPM

REMARKS

This well was drilled under license # 11

And this report is true and accurate

Drilling firm: Bunker Bros

Signature of License Representative

Stacy Bunker

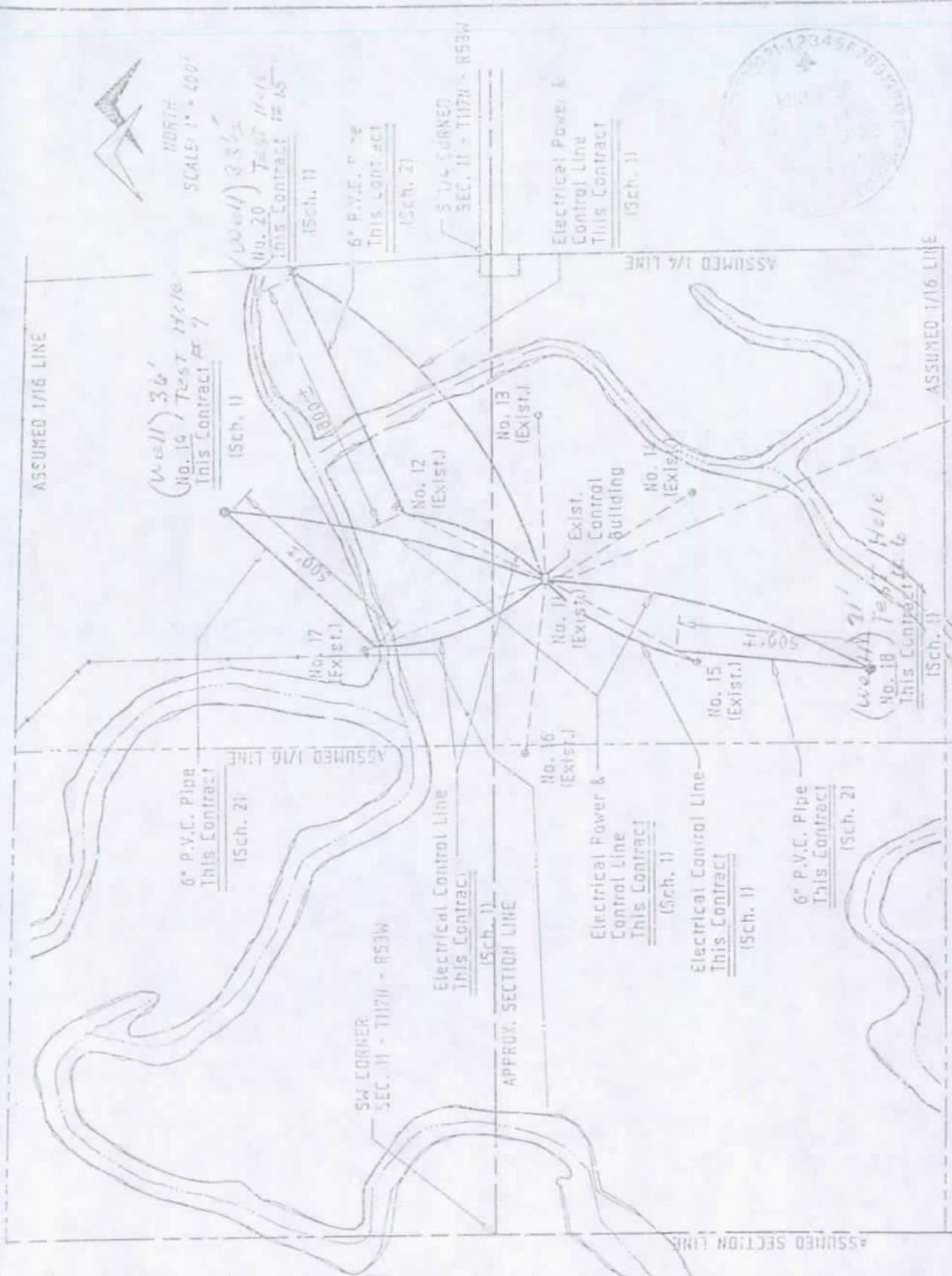
Signature of Well Owner

Date 6-16-88

STATE OF SOUTH DAKOTA - BUREAU OF ADMINISTRATION - OFFICE OF RECORDS MANAGEMENT - CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY THAT THE MICROPHOTGRAPHIC IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE ORIGINAL RECORD AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILLED LAW 1-27-41. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTGRAPHIC REPRODUCTIONS.

REDUCTION 25% ROLL NO. 43 DATE MICROFILMED 3-9-90 CAMERA OPERATOR



City Well Field
Watertown, S.D.

DRAWING NO. 1
WELL LOCATION MAP
WELL NOS. 18, 19 AND 20
WATERTOWN, SOUTH DAKOTA

STATE OF SOUTH DAKOTA - BUREAU OF ADMINISTRATION - OFFICE OF RECORDS MANAGEMENT - CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY THAT THE MICRO-PHOTOGRAPHIC IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE ORIGINAL RECORD AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILLED LAW 1-27-4. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICRO-PHOTOGRAPHIC REPRODUCTIONS.

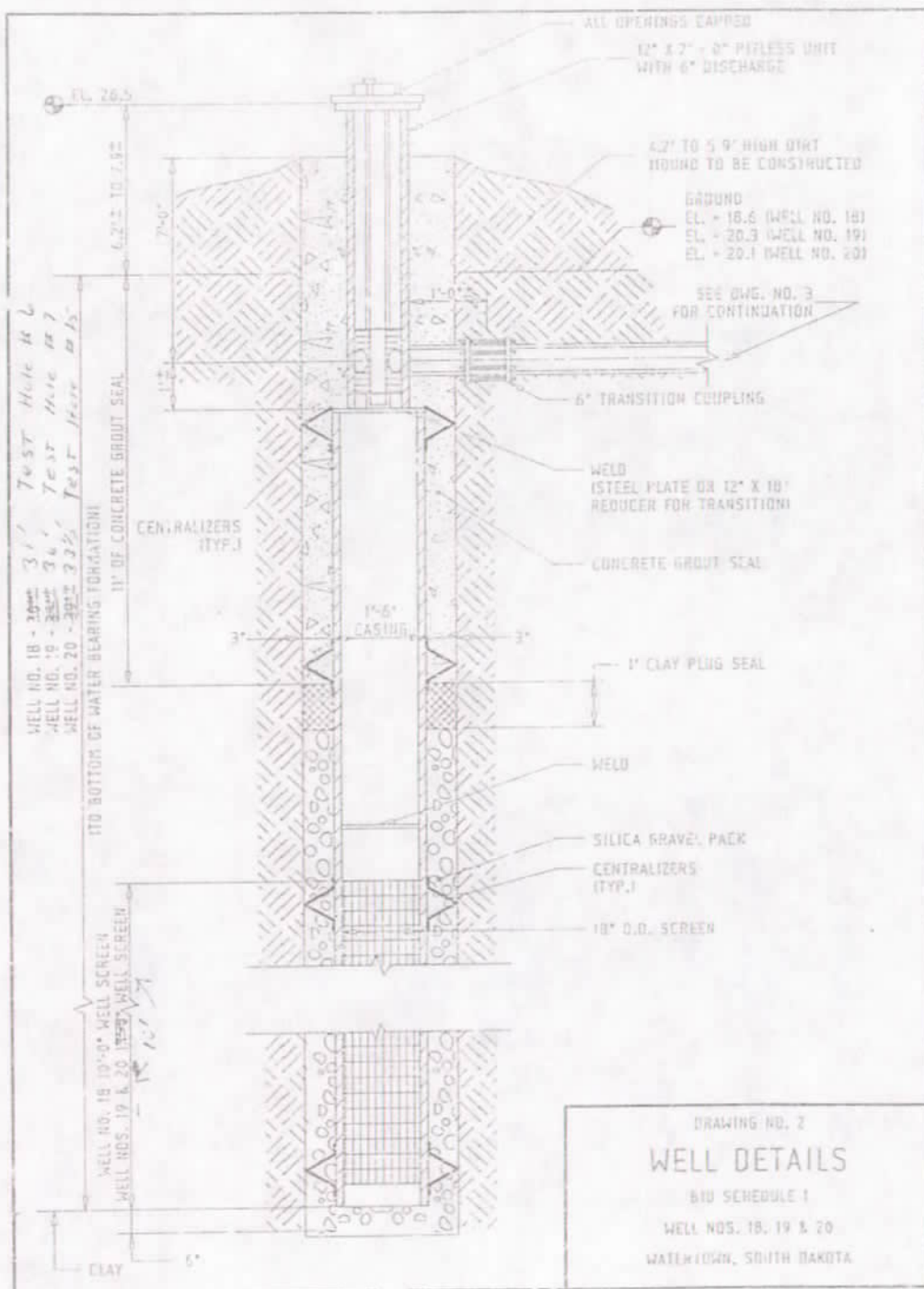
REDUCTION 25%

ROLL NO. 44-3

3-9-90

DATE MICROFILMED

CAMERA OPERATOR



RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411476

Pierre, November 2, 1988, 19__

RECEIVED OF City of Watertown, 901 Fourth Avenue SW, Watertown, SD 57201-4107

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

Fee for Application for Permit No. <u>5233-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	575	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 Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	575 00

By John Hatch
Chief Engineer JOHN HATCH 

SOUTH DAKOTA Department of
Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181



October 17, 1988

H.G. Heig
City of Watertown
901 4th Avenue, S.W.
Watertown, SD 57201

Dear Mr. Heig:

This is in response to the water permit application received from you on October 4, 1988.

The permit application is incomplete for the following reason(s):

- (1) The enclosed driller's test logs need to be signed by a South Dakota licensed well driller (see enclosed instruction sheet).

The Water Management Board cannot consider a water permit application until it is complete. Please return the enclosed driller's logs with the required signatures to begin processing of your permit application.

Feel free to call if you have any questions.

Sincerely,

Susan A. Bowar

Susan A. Bowar
Natural Resources Engineer
Water Rights Division
(605) 773-3352

enclosures

*The enclosed test logs
have been signed.*

*Clara Butcher
Secretary*

10/18/88



Report on Application 5233-3
City of Watertown
December 16, 1988

Water Permit Application No. 5233-3 was submitted for the City of Watertown, Codington County to put to beneficial use 2.70 cubic feet of water per second (cfs) reserved by Future Use Permit No's 1218-3 and 2107-3. The application proposes to expand the Watertown well field by the construction of 3 additional wells, each approximately 35 feet deep. Two of the wells are to be located in the SE1/4 SW1/4 of Section 11 and the other in the N1/2 NW1/4 of Section 14, all in T117N, R53W. The water will be used to supply the city of Watertown.

Background

In 1956, Future Use Permit No. 355-3 was granted to reserve 9.25 cfs of groundwater for future development of municipal supplies for the city of Watertown. Future Use Permit No. 1218-3 was approved in 1965 with a diversion rate of 12.08 cfs from a well field in Section 11, T117N, R53W. Incorporated into Permit No. 1218-3 was 7.92 cfs of remaining reserved water from Future Use Permit No. 355-3. Therefore, Permit No. 1218-3 reserves a total of 20.00 cfs from the area for future use.

Future Use Permit No. 2107-3 was approved in 1974. This permit did not request any additional water beyond the 20.00 cfs reserved under 1218-3, but did add the N1/2 NW1/4 of Section 14, T117N, R53W to the acreage available for future water withdrawals (WRD Permit Files, 1988).

Based on actual permitted and licensed use, 6.26 cfs of the 20.00 cfs available under Future Use Permit No's 1218-3 and 2107-3 has been put to beneficial use. Water Permit Application No. 5233-3 proposes to utilize 2.70 cfs of the remaining 13.74 cfs of reserved water. Two of the wells will be located in Section 11, under Permit No. 1218-3 and the other well in Section 14, under Permit No. 2107-3.

Geology and Aquifer Characteristics

The permit is located in the Coteau des Prairie portion of the Central Lowland physiographic province. The region is covered by Pleistocene glacial material including moraines, stagnant ice features, glacial till and outwash. The wells have been drilled into the Big Sioux Aquifer-North Management Unit (Hedges, 1982).

This surficial aquifer consists of sand and gravel outwash that is very near the land surface with no confining layer above it. The Big Sioux-North Aquifer is under predominately water table

conditions with recharge occurring from direct precipitation infiltration, lateral inflow from upgradient portions of the aquifer and through the aquifer's connection with the Big Sioux River (Hedges, 1983).

Water Availability

Permit Application No. 5233-3 will utilize water previously reserved under Future Use Permit Nos. 1218-3 and 2107-3. Therefore, the water appropriation has been reserved and water is available for this application.

Approximately 67,300 acres of Codington County are underlain by the Big Sioux-North Aquifer with an estimated 151,430 acre-ft of recoverable water in storage (Hedges, 1982). Recharge to the aquifer has been estimated by most analyses to range from 2.7 to 6.9 inches per year (Hedges, 1983). The actual annual recharge depends a great deal upon the ground cover conditions and size of individual precipitation events.

Three Water Rights Division Observation Wells, CD-59A, CD-60B, and CD-77F are located in the Big Sioux-North Aquifer less than 2 miles from the applicant's proposed well sites. The wells reveal seasonal fluctuations related to the variations in yearly precipitation. No long term trends in water levels were detected (WRD Observation Well Logs, 1988).

Existing Water Rights

Water Permit Application No. 5233-3 proposes to place 3 additional wells in an existing well field for the City of Watertown. Seven other city wells are located within the area which is approximately 1/2 mile in diameter. The proposed locations of the new wells would place them as near as 500 feet from other wells and the Big Sioux River. If possible, a standard spacing of 660 feet between wells and between wells and the Big Sioux River should be employed to minimize well interference and any effects on the Big Sioux River.

Within approximately 1 1/2 miles of the proposed well sites are 6 other irrigation permits (WRD Permit Files, 1988).

<u>Permit No.</u>	<u>Owner</u>	<u>Location</u>	<u>Rate (cfs)</u>
151-3	John & Renalda Deville	NE1/4 Sec.23 117-53	0.42
482-3	GF&P	NW1/4 Sec.2 117-53	1.11
483-3	GF&P	NE1/4 Sec.2 117-53	1.60
2497-3	Harlan Stadheim	NE&SE1/4 Sec.12 117-53	4.40
4822-3	GF&P	NE1/4 Sec.2 117-53	-
5131-3	Dakota Plastics Co.	NW1/4 Sec.23 117-53	0.09

There should be no interference with these wells. A number of domestic wells that obtain water from the Big Sioux-North Aquifer are also located in the area (WRD Drillers Logs, 1988).

Conclusions

1. Water for this application is available from the Big Sioux Aquifer-North Management Unit as the requested appropriation has already been reserved by previous approval of Future Use Permit Nos. 1218-3 and 2107-3.
2. Because of the large aquifer capacity and adequate well spacing, the Water Rights Division does not expect the application to adversely affect other existing water rights holders.
3. Sufficient spacing among the wells and between the wells and the Big Sioux River should be maintained in the city well field to insure non-interference between wells and to minimize effects on river flows.



Thomas M. Brandner
Natural Resources Engineer

References

- Hedges, L.S., S.L. Burch, D.L. Iles, R.A. Barari, and R.A. Schoon, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Prepared for U.S. Army Corps of Engineers Planning Division by DWNR Geological Survey, Vermillion, SD.
- Hedges, L.S., J. Allen, and D.E. Holly, 1983, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River South Dakota and Iowa, Task 7: Ground Water Recharge, Prepared for U.S. Army Corps of Engineers Planning Division by DWNR Geological Survey, Vermillion, SD.
- Water Rights Division, 1988, Drillers Logs, DWNR, Joe Foss Bldg., Pierre, SD.
- Water Rights Division, 1988, Observation Well Files, DWNR, Joe Foss Bldg., Pierre, SD.
- Water Rights Division, 1988, Permit Files, DWNR, Joe Foss Bldg., Pierre, SD.

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5233-3, City of Watertown

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5233-3, City of Watertown, Municipal Utilities Board, 901 4th Ave SW, Watertown SD.

The Chief Engineer is recommending APPROVAL of Application No. 5233-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest with the following qualifications:

1. Wells authorized by Permit No. 5233-3 shall be spaced at least 660 feet apart, at least 660 feet from other wells and at least 660 feet from the Sioux River.
2. The wells authorized by Permit No. 5233-3 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 with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
3. The wells 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 the attached report for additional information.



JOHN HATCH, Chief Engineer
December 16, 1988

REVISED RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5233-3, City of Watertown

Pursuant to SDCL 46-2A-2, the following is the Revised recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5233-3, City of Watertown, Municipal Utilities Board, 901 4th Ave SW, Watertown SD.

The Chief Engineer is recommending APPROVAL of Application No. 5233-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest with the following qualifications:

1. Wells authorized by Permit No. 5233-3 shall be spaced at least 500 feet apart and at least 500 feet from other wells and at least 500 feet from the Sioux River.
2. The wells authorized by Permit No. 5233-3 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 with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
3. The wells 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 the attached report for additional information.



JOHN HATCH, Chief Engineer
January 20, 1989



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

December 21, 1988

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

City of Watertown
Donald Smith, President
Municipal Utilities Board
901 4th Ave SW
Watertown SD 57201

Dear Smith:

Your Application No. 5233-3 for a permit to appropriate water for municipal use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of your intent to appropriate water has been sent to the Publisher of the Watertown Public Opinion printed at Watertown SD. 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 Intent to Appropriate Water 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. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

December 21, 1988

Watertown Public Opinion
Box 10
Watertown SD 57201

Dear Sir:

Enclosed is a Notice of Hearing on Application No. 5233-3 to be published twice. Please publish the first notice on or before December 28, 1988 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 Watertown, Municipal Utilities Board, 901 4th Ave SW, Watertown SD 57201.

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. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

TO: Ron Duvall
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 or before December 28, 1988 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5233-3 to Develop Reserved Water

Notice is given that the City of Watertown, Municipal Utilities Board, 901 4th Ave SW, Watertown SD 57201 has filed an application for a water permit to construct works and place to beneficial use 2.70 cubic feet per second of water appropriated and reserved by Future Use Permit Nos. 1218-3 and 2107-3. The proposed project is to expand the Watertown well field by construction of 3 wells (Big Sioux-North Aquifer) approximately 35 feet deep, two to be located in the SE 1/4 SW 1/4, SW 1/4 SE 1/4 Section 11 and the one in the N 1/2 NW 1/4 Section 14; all in T117N, R53W. The water will be used for municipal purposes by the City of Watertown.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5233-3 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. This application will be considered by the Water Management Board at the Crossroads Hotel, Salon 1, 100 4th St SW, Huron SD on January 25, 1989 at 10:30 am. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by January 13, 1989. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped. If there are any petitions in opposition to Application No. 5233-3, the hearing will be delayed until the regular March 1, 1989 Board meeting. The meeting January 25, 1989 is a special Board meeting.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by January 13, 1989.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Codington)

I, Monica K. Saathoff hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Watertown Public Opinion

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

_____ city _____ of Watertown

County of Codington and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

December 28th, 1988

January 4th, 1989

Monica K. Saathoff
(Signature)

Bookkeeper
(Title)

January 4th, 1989
(Date Signed)

Cost of Printing: 87.84

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by January 13, 1989.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

(Dec. 28, 1988; Jan. 4, 1989)
12" x 6" x 2" = 287.84

WATERTOWN

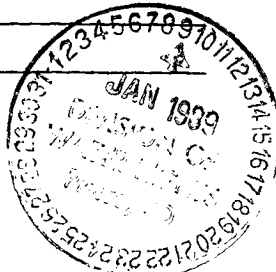
NOTICE OF HEARING ON
APPLICATION NO. 5233-3 TO
DEVELOP RESERVED
WATER

Notice is given that the City of Watertown, Municipal Utilities Board, 901 4th Ave. SW, Watertown, SD 57201 has filed an application for a water permit to construct works and place to beneficial use 2.70 cubic feet per second of water appropriated and reserved by Future Use Permit Nos. 1218-3 and 2107-3. The proposed project is to expand the Watertown well field by construction of 3 wells (Big Sioux-North Aquifer) approximately 35 feet deep, two to be located in the SE 1/4 SW 1/4, SW 1/4 SE 1/4 Section 11 and the one in the N 1/2 NW 1/4 Section 14; all in T117N, R53W. The water will be used for municipal purposes by the City of Watertown.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5233-3 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. This application will be considered by the Water Management Board at the Crossroads Hotel, Salon 1, 100 4th St. SW, Huron, SD on January 25, 1989 at 10:30 a.m. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by January 13, 1989. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605-773-3352)".

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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped. If there are any petitions in opposition to Application No. 5233-3, the hearing will be delayed until the regular March 1, 1989 Board meeting. The meeting January 25, 1989 is a special Board meeting.



 **Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

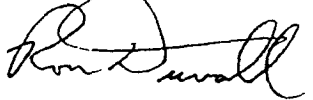
January 24, 1989

City of Watertown
Donald Smith, President
Municipal Utilities Board
901 4th Ave SW
Watertown SD 57201

Dear Mr. Smith:

Enclosed is a copy of the Revised Recommendation for Water Permit Application No. 5233-3, the City of Watertown.

Sincerely,



RON DUVALL
Water Resources Engineer
605 773-3352

cc: Robert L. Brotsky, P.E.

enclosure

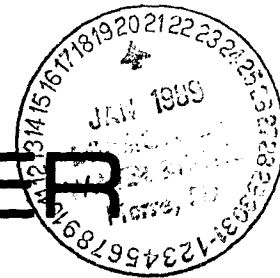


4/19/89 Dave Brotzki with Banner
called.

Wells 19 and 20 are constructed
and pipeline is being put in
place to the final well site.
Told Mr B to send a letter
regarding status of well locations

BANNER

January 19, 1989



Ron Duvall
Natural Resources Engineer
S.D. Department of Water and Natural Resources
Joe Foss Building
Pierre, S.D. 57501

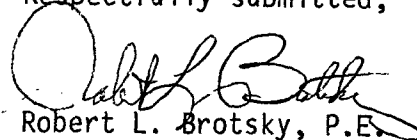
Subject: Water Supply Wells Nos.
18, 19 & 20
Watertown, S.D.
BAI No. 7327-07

Dear Mr. Duvall:

Pursuant to our telephone conversation this date, it is our understanding the Special Meeting of the Water Management Board on January 25, 1989 to consider Application No. 5233-3 by the City of Watertown, is to proceed as scheduled. It is our further understanding no petitions in opposition to the application have been filed prior to the deadline established for same. Therefore, we see no necessity by the City to be in attendance at the hearing.

With regard to the Recommendation of the Chief Engineer, you will note we have requested and received a variance (Variance No. 74) allowing less than 20 feet of cement grout in order to maximize the yield from the wells. In addition, we are requesting the Board to consider reducing the minimum spacing requirement of 660 feet from existing wells to 500 feet. Production test pumping from this aquifer was conducted prior to any development, for the purpose of determining transmissibility and minimum well spacing. It was on the basis of these determinations that the 500-foot minimum spacing for the existing wells was selected.

Respectfully submitted,


Robert L. Brotsky, P.E.

RLB/db
cc: Municipal Utilities, Pete Swanson

BANNER ASSOCIATES, INC.
CONSULTING ENGINEERS & ARCHITECTS
409 22ND AVENUE SOUTH • P.O. BOX 298
BROOKINGS, SD 57006-0298 • (605) 692-6342

 **Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

MAR 10 1989

Donald Smith
City of Watertown
901 4th Ave. S.W.
Watertown, SD 57201

Dear Mr. Smith:

Enclosed is Water Permit No. 5233-3 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, not exceeding the limits as specified in Water Permit No. 5233-3.

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

JH:mra

enclosure

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 November 15, 1995

TO: Water Rights Division, DWNH
Joe Foss Building
Pierre SD 57501-3181

FROM: Municipal Utilities Board 901 Fourth Ave. SW Watertown, SD 57201
name address city

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. 5233-3.

Water Permit No. 5233-3 states that the diversion system is to be constructed by Bullis Bros. Well Drilling, and that the water it put to beneficial use by City of Watertown.

The diversion system was completed on July 27, 1989.
Applying the water to beneficial use was completed on July 27, 1989

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

Harlan Hoy
signature

Municipal Utilities, Water Dept.
Watertown, SD

MUNICIPAL UTILITIES DEPARTMENT

901 Fourth Avenue Southwest

WATERTOWN, SOUTH DAKOTA 57201-4107

PHONE (605) 882-6233

FAX (605) 882-6238



November 17, 1995

Eric Gronlund
Water Rights Division
Dept. of Environment &
Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

RE: Water Supply Well Nos. 18, 19 and 20
Watertown, SD BAI No. 7327

Dear Mr. Gronlund:

Pursuant to completing Water Supply Well Nos. 18, 19 and 20 and placing same on line, we are transmitting herewith one (1) copy of "Notice of Completion of Works and Application of Water to Beneficial Use."

Following our recent meeting in Pierre we reviewed our files for this document and were not able to find a copy. We believe, however, that you did find that the Beneficial Use has previously been applied for these three wells.

In the event you have any questions in this regard, please contact Daryl C. Englund, Banner Associates, Inc. or the undersigned at your earliest convenience.

Respectfully submitted

Harlan Hoy
Water Superintendent

Encl.

cc: Daryl C. Englund
Banner Associates, Inc.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 22, 1996

Watertown Municipal Utilities
Harlan Hoy, Water Superintendent
901 Fourth Avenue SW
Watertown, SD 57201

Dear Mr. Hoy:

I am writing this letter in reference to my August 13, 1996, inspection for licensing of the City of Watertown's municipal wells authorized by Permit Nos. 2239-3, 5233-3, 5462-3, and 5683-3. There is some additional information that I need in order to complete the licensing procedure.

I made a review of our files and was unable to find the as-built well logs for city well Nos. 11, 12, and 13 covered by permit No. 2239-3 and for well Nos. 21, 22, 23, and 24 covered by permit No. 5683-3. I was able to find the well logs for well Nos. 3A, 18, 19, and 20. Will you please send me copies of these well logs. Jeff Deville indicated that you did not have a copy of the well log for well No. 3A, so I am enclosing a copy of that well log for your files.

Also could you please provide information concerning make, model, size and capacity of the submersible pumps and motors installed in well Nos. 12, 13, 18, 19, 20, 21, 22, 23, and 24.

If you have any questions, please contact me at phone (605) 773-3352.

Sincerely,

Mark D. Rath
Natural Resources Engineer
Water Rights Program

enclosures

BANNER ASSOCIATES, INC.
409 22nd Avenue South • P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 682-6342
FAX: (605) 682-5714

October 8, 1996

Harlan Hoy, Water Superintendent
Watertown Municipal Utilities Department
901 Fourth Avenue S.W.
Watertown, S.D. 57201

RE: Water Supply Wells
Pump and Motor Information
BAI 7796-02



Dear Harlan:

In accordance with your recent telephone request and DENR letter, dated August 22, 1996 the following information is attached hereto:

1. Well No. 11 Cross-Section and Well Log
2. Well No. 12 Cross-Section and Well Log
3. Well No. 13 Cross-Section and Well Log
4. Well No. 21 Cross-Section and Well Log
5. Well No. 22 Cross-Section and Well Log
6. Well No. 23 Cross-Section and Well Log
7. Well No. 24 Cross-Section and Well Log

Please note that the pump and motor information are indicated for each well on the applicable Cross-Section. Pump and motor information for Well Pumps 18, 19 and 20 are as follows:

Each has a Submersible Jacuzzi with 10 HP Hitachi motor;
Each has a 6" diameter column pipe;
Each has a 1 Stage 8LC bowl;
Each has a 300 gpm capacity;

If you have any questions regarding the above, please do not hesitate to contact our office.

Sincerely,

Daryl Englund, P.E. & L.S

Enclosures

Attach. No. 1 - Cross-Section & Logs - Well No's. 11, 12 and 13
Attach. No. 2 - Cross-Section & Logs - Well No's. 21, 22, 23 and 24

REPORT ON INSPECTION OF PERMIT NO. 5233-3

DATE OF INSPECTION: 8/13/1996

Other permit(s) associated with the project:

Contact Person & Address: Jeff Deville, 901 Fourth Ave, SW, Watertown, SD

DIVERSION POINT LEGAL LOCATION: All wells located from the common corner of the SW corner of Sec 11 T117N-R53W and the NW corner of Sec 14 T117N-R53W: Well 18 - 1040 ft South and 1600 Ft East, Well 19 - 800 ft North and 2070 ft East, Well 20 - 570 ft North and 2730 ft East.

WATER SUPPLY Source: groundwater - Big Sioux Aquifer

Well Information:

- | | |
|---|--|
| 1) Well Drilling Firm: <u>Bullis Brothers</u> | 2) No. of Wells <u>3</u> |
| 3) Depth(s) <u>31, 36, & 33.5</u> feet | 4) Well log s are available <u>yes</u> |

Well 18

Casing:

- | | |
|------------------------------|--------------------------|
| 1) Diameter <u>18</u> inches | 2) Length <u>21</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|-------------------------------------|--------------------------|
| 1) Type <u>stainless steel</u> | 2) Length <u>10</u> feet |
| 3) Static water level <u>7</u> feet | |

Pump:

- | | |
|------------------------|-----------------------------|
| 1) Make <u>Jacuzzi</u> | 2) Model <u>submersible</u> |
| 3) Size <u>6</u> | 4) Capacity <u>300</u> GPM |

Motor:

- | | |
|-----------------------------------|-----------------------|
| 1) Make <u>Hitachi</u> | 2) Model No. <u>?</u> |
| 3) Horsepower rating <u>10</u> hp | |

Well 19

Casing:

- 1) Diameter 18 inches
- 2) Length 26 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 10 feet
- 3) Static water level 8 feet

Pump:

- 1) Make Jacuzzi
- 2) Model submersible
- 3) Size 6
- 4) Capacity 300 GPM

Motor:

- 1) Make Hitachi
- 2) Model No. ?
- 3) Horsepower rating 10 hp

Well 20

Casing:

- 1) Diameter 18 inches
- 2) Length 23.5 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 10 feet
- 3) Static water level 8 feet

Pump:

- 1) Make Jacuzzi
- 2) Model submersible
- 3) Size 6
- 4) Capacity 300 GPM

Motor:

- 1) Make Hitachi
- 2) Model No. ?
- 3) Horsepower rating 10 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type Municipal distribution system

Permit No. 5233-3
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, **August 13, 1996**, I made a thorough examination of the water use system constructed by **City of Watertown** of **901 Fourth Ave, SW, Watertown, SD** holder of Permit No. **5233-3**, bearing the priorities of **September 2, 1965** authorizing the diversion of **1.8** cu. ft. per second and of **August 26, 1974** authorizing the diversion of **0.9** cu. ft. per second of the waters of **groundwater - Big Sioux Aquifer** for **Municipal use** purposes, in **Codington** County.

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

A. Works used to divert the water:

Three Jacuzzi submersible pumps with a combined 900 gpm capacity.

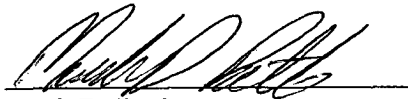
B. Works used to transport water to place of use.

the City's municipal distribution system

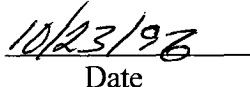
The system is in the following condition **good**. The points of diversion are in a **well field located along Big Sioux River in Sections 11 & 14 T117N-R53W. All wells are referenced from the common corner of the SW corner of Sec 11 and the NW corner of Sec 14: Well 18 - 1040 ft South and 1600 Ft East, Well 19 - 800 ft North and 2070 ft East, Well 20 - 570 ft North and 2730 ft East.** The works are capable of diverting and conveying to the place of use **2.0** cu. ft. per second of water which is to be used for **municipal purposes**. Water has been put to beneficial use and the license should be issued for **2.0** cfs.

Applicable permit qualifications have been complied with: **yes**

Exceptions to compliance are: **none**



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


Date

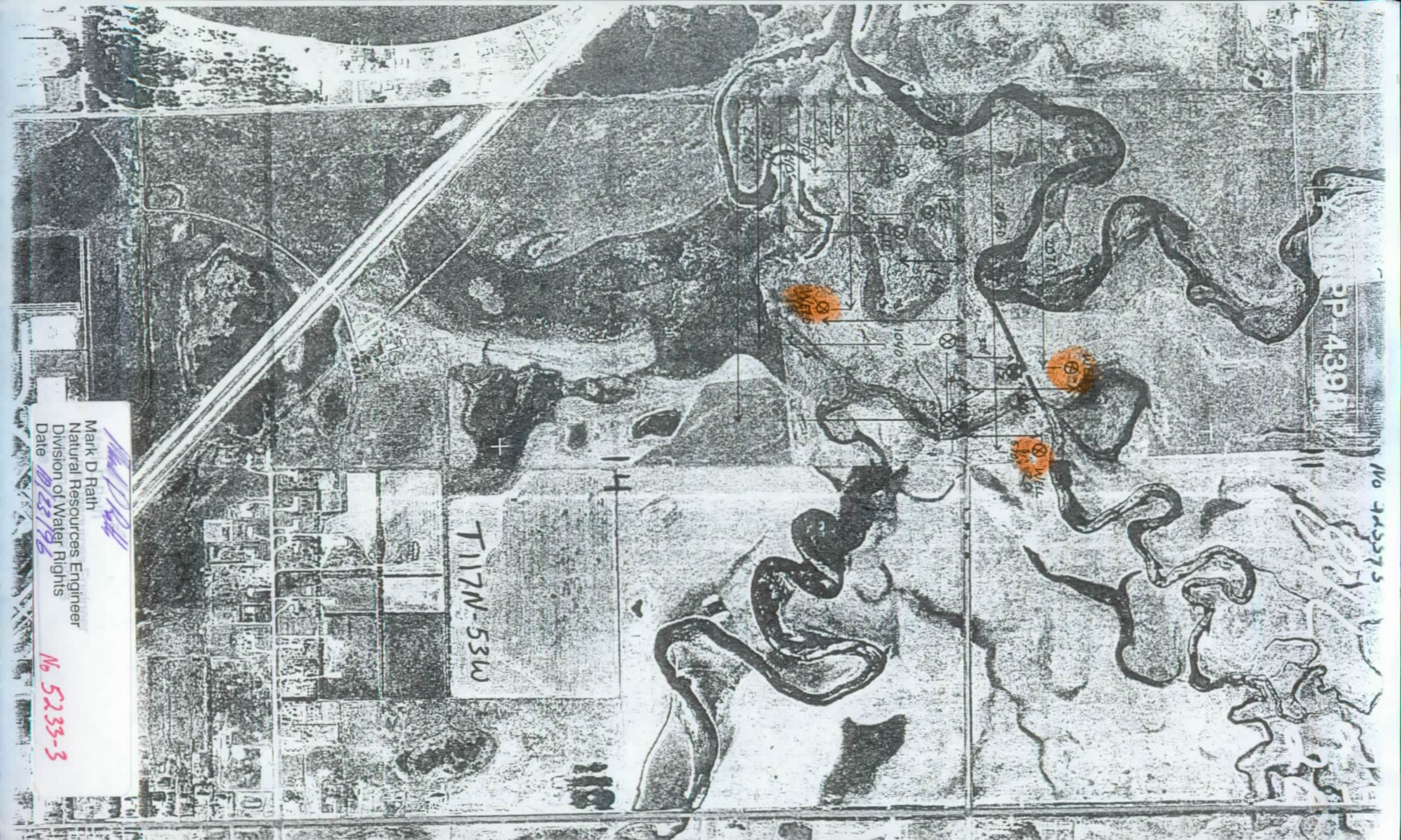
APP-4391

No 145573

T117N-53W

Mark D Rath
Natural Resources Engineer
Division of Water Rights
Date 01/23/96

No 5233-3





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 16, 1997

2239-3
5233-3
5683-3

Tracy Turbak, Finance Officer
City of Watertown
901 Fourth Ave. SW
Watertown, SD 57201

Dear Ms. Turbak:

The investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit Nos. 2239-3, 5233-3 and 5683-3, has been completed. Your final water right documents, the Water Licenses, can now be issued.

Statutes require that we charge a \$50.00 fee per license (\$150.00 total) for the investigation and issuance of the Water Licenses. Upon receipt of the \$150.00 fee from you, we will begin processing your Water Licenses.

**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 numbers. This will insure proper handling of the fee.

RECEIPT

415351

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ May 12, 1997

RECEIVED OF City of Watertown, 901 Fourth Ave. SW, Watertown, SD 57201

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>5233-3</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

Water Rights Program - File Documentation

NAME: City of Watertown

ADDRESS: Watertown

DATE: 10-31-97 **COUNTY:** CD

RE: Priority date on 5233-3

COMMENTS:

Water Permit No. 5233-3 has two priority dates:

August 26, 1974 (0.9 cfs from 1 well, Sec 14)
September 2, 1965 (1.8 cfs from 2 wells, Sec 11)

The two priority dates are based on Future Use Permit Nos. 1218-3 (August 26, 1974) and 2107-3 (September 2, 1965). Permit No. 2107-3 was issued to increase the future use area authorized by No. 1218-3. Permit No. 2107-3 should have been given the same priority date as 1218-3. No. 2107-3 did not increase the amount of water claimed, only increased the future use area.

Therefore, the **three wells authorized by No. 5233-3 should all retain a September 2, 1965 priority date.**



Karen Schlaak
Environmental Scientist

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5233-3

(1) Watertown Municipal Utilities, City of Watertown, 901 4th Ave SW, Watertown SD 57201 made Application No. 5233-3, October 4, 1988 for a water permit to divert 2.7 cubic feet of water per second from groundwater (three wells), Codington County, South Dakota for municipal use purposes. Permit No. 5233-3, with priority dates of *September 2, 1965 (established by Future Use Permit No. 1218-3) and August 26, 1974 (established by Future Use No. 2107-3) was approved January 25, 1989 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before January 25, 1994 and for the application to beneficial use of said water on or before January 25, 1998.

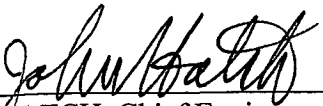
* Permit No. 2107-3 was issued to increase the future use area authorized by No. 1218-3. Permit No. 2107-3 should have been given the same priority date as No. 1218-3. No. 2107-3 did not increase the amount of water claimed only increased the future use area. The three wells authorized by No. 5233-3 should all retain a September 2, 1965 priority date.

(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 2.0 cubic feet of water per second for beneficial use. The location of the diversion points are:

Well #18 - 1,040 feet south and 1,600 feet east (NE 1/4 NW 1/4 Section 14);
Well #19 - 800 feet north and 2,070 feet east (SE 1/4 SW 1/4 Section 11);
Well #20 - 570 feet north and 2,730 feet east (SE 1/4 SW 1/4 Section 11);
all located from the NW corner of Section 14-T117N-R53W.

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

(4) Pursuant to South Dakota Water Law 46-5-30.1 Watertown Municipal Utilities, City of Watertown, 901 4th Ave SW, Watertown SD 57201 the holder and/or owner of Water Permit No. 5233-3 is issued a license to appropriate water, the right to use 2.0 cubic feet of water per second from groundwater (three wells) with a priority date of September 2, 1965 (established by Future Use Permit No. 1218-3) from the locations specified in (2) of this license for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Water Permit No. 5233-3 and subject to South Dakota State Law.



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

MAY 20 1999

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

MAY 20 1999

5233-3
5683-3

Watertown Municipal Utilities
City of Watertown
Harlan Hoy, Water Superintendent
901 4th Ave. SW
Watertown, SD 57201

Dear Mr. Hoy:

Enclosed are Water License Nos. 5233-3 and 5683-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 415351 and 415352 in the amount of \$50.00 each which you paid for the investigation and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 5233-3 and 5683-3, 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.

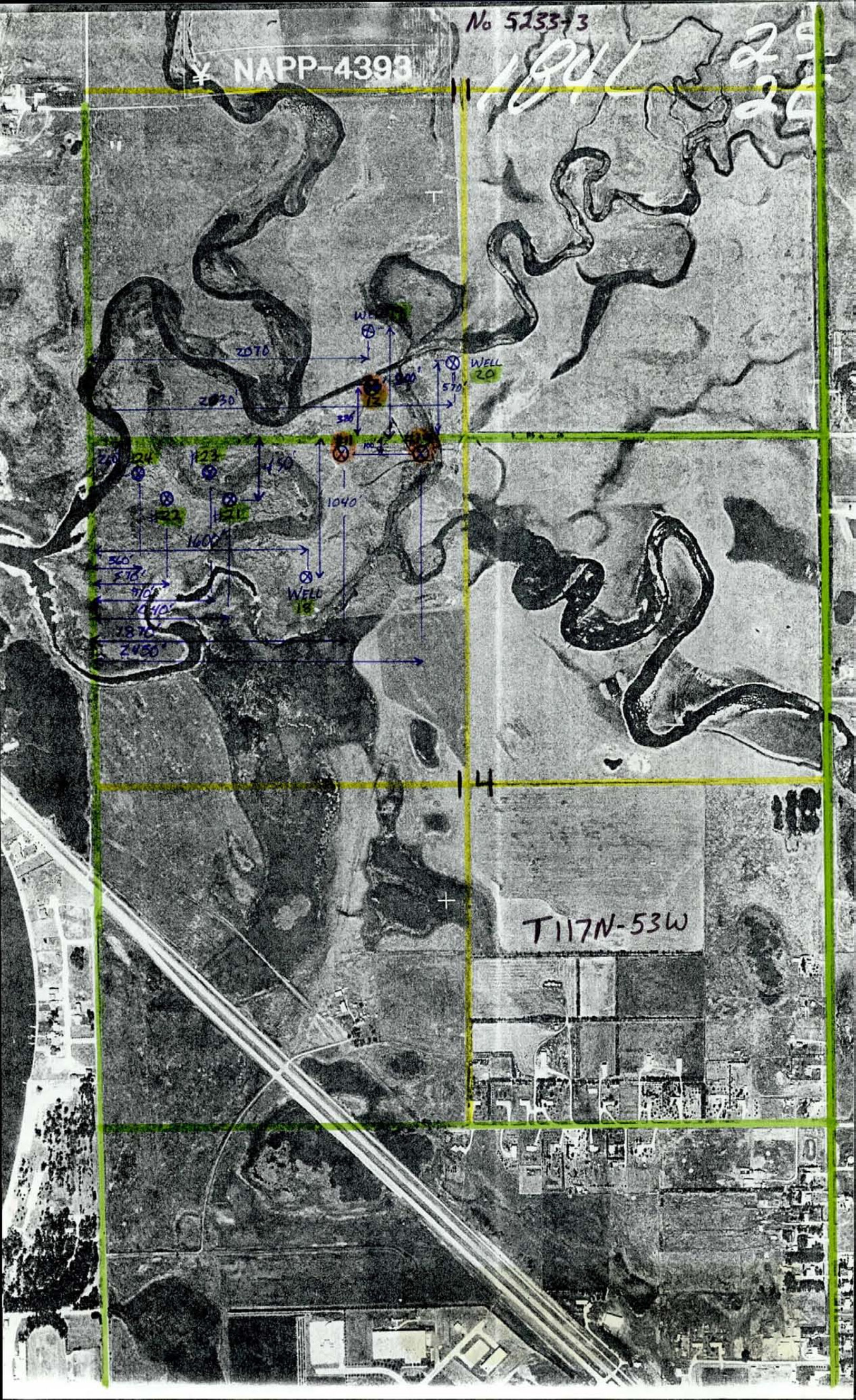
As long as you use the water beneficially, as stated in the Water Licenses, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

ks
enclosures

¥ NAPP-4393



T117N-53W



WATERTOWN MUNICIPAL UTILITIES

901 • 4TH AVENUE SW • WATERTOWN, SD 57201-4107

PHONE: (605) 882-6233 • FAX: (605) 882-6238

WWW.WATERTOWNMU.COM

RECEIVED

JUN 25 2021

WATER RIGHTS
PROGRAM

June 23, 2021

Eric Gronlund
Department of Agriculture and Natural Resources
Water Rights Program
523 East Capitol
Pierre, SD 57501-3182

Dear Eric,

I sadly announce to you that after thirty-three years of service with the Watertown Municipal Utilities, our dedicated and hard-working Water Superintendent, Jeff DeVille, will be retiring effective June 30, 2021. We greet Mr. DeVille's retirement with sorrow, but we are also happy Jeff can now enjoy his own time. Jeff has been a great asset to the Water Department here at the Watertown Municipal Utilities and will be greatly missed.

I would like to introduce our new Water Superintendent Wayne Lovelis. Wayne has been training under Jeff for the past two months and comes with much experience. He has over 25 years in the water/utility industry. He has spent the last six years with The City of Great Falls, Montana. He will take over the reins as Water Superintendent along with the duties of being the correspondent for the Water Rights and Diversion Structure under FC29. Feel free to contact Wayne at any time.

See below Wayne's contact information.

Watertown Municipal Utilities
Wayne Lovelis, Water Superintendent
901 4th Ave SW
Watertown, SD 57201
wlovelis@watertownmu.com
605-882-6233 phone
605-882-6239 fax

Best regards,

Steve Lehner, General Manager
Watertown Municipal Utilities