

Considered: _____

WATER PERMIT NO. 5683-3

Phone: 886-5733

Name of Applicant: City of Watertown

Post Office Address: 901 Fourth Ave SW, Watertown SD 57201

Amount of Water Claimed: 1,564 ac-ft Total Acres: NA

Source of Water Supply: groundwater (4 wells)

Water to be used for: municipal County: Codington

About _____ miles _____ of _____

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received: 7-2-92 Fee: _____ Remarks Withdrawal

from Future Use Permit No. 1218-3

Corrected Application Received 7-10-92 Period of Annual Use January 1 - Dec 31

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

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point: NW 1/4 NW 1/4 Sec 14-T117N-R53W

Land to be Irrigated: _____

	xx xx				
			1/4		

Well Log: Driller: Bullis Brothers Licensed YES X NO _____

Depth of Well: between 37' and 45' REMARKS _____

Type of Map: plat PREPARED BY: Daryl Englund, P.E. Reviewed and the Number

Assigned on 7-8-92 By Karen Schlaak



No. 5683-3 Hydrologic Unit 10170202
 Map No. _____ Basin Big Sioux River
 Newspaper Public Opinion, P.O. Box 10, Watertown

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

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 retained

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

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

☒ Construction to use water reserved by Future Use Permit No. 1218-3

1. Name of Applicant City of Watertown Phone No. (605)886-5733

Post Office Address 901 Fourth Avenue S.W., Watertown State SD 57201
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s.) 4 Wells @ 0.9 CFS/Each = 3.6 CFS (1564 ac-ft annually)

3. Source of water supply Shallow Underground Aquifer

4. Location of point of diversion See Attached Map. Well No. 21 - 1791'S72°10'W;

Well No. 22 - 2293'S74°47'W; Well No. 23 - 2000'S85°17'W;

Well No. 24 - 2505'S85°48'W all in NW 1/4 NW 1/4 Sec 14-T117N-R53W County Codington

5. Counties where water will be used Codington

6. 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)

4 Shallow Wells. Well Nos. 21, 22, 23 and 24 to have 300 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, John Foley, 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

Subscribed and sworn to before me this 1st day of July 19 92

Bonnie M. Thompson
 Notary Public

**SOUTH DAKOTA
WATER PERMIT No. 5683-3**

Date of first receipt of application July 2, 1992.

Date of return to applicant for corrections, amendments or changes July 6, 1992.

Date of receipt of corrected application July 10, 1992.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5683-3 to the City of Watertown, 901 Fourth Avenue SW, Watertown SD 57201 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. 5683-3 authorizes the construction and beneficial use of 1,564 acre-feet annually at a pumping rate of 3.6 cubic feet of water per second from four wells (Big Sioux:North Aquifer) between 37 and 45 feet deep located in the NW 1/4 NW 1/4 Section 14-T117N-R53W. The water was appropriated and reserved by Future Use Permit No. 1218-3.
2. The water appropriated shall be used for the purpose of supplying water to 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.
4. The date of approval of Permit No. 5683-3 is September 30, 1992.
5. The date from which applicant may claim right is September 2, 1965.
6. One-fifth of the construction is to be completed on or before March 30, 1995.
7. All construction is to be completed on or before September 30, 1997.
8. Water is to be put to beneficial use on or before September 30, 2001.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The 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.

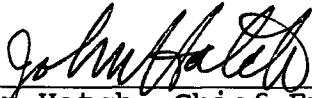
(continued)

Water Permit No. 5683-3
Page 2

2. The wells authorized by Permit No. 5683-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

WATER MANAGEMENT BOARD

By:



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

MAR 17 1993

date

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 24 inches Depth Well No. 21 44'; Well No. 22 45'; Well No. 23 37'9"; Well No. 24 42'
- b) Casing Type Steel Diameter 18 inches Thickness 0.562 inches
- c) Screen Type Stainless Steel Diameter 18 inches Thickness Wire-Wrapped
- d) Gravel Pack Thickness 3 inches Length of Gravel Pack Well No. 21 32'; Well No. 22 33'; Well No. 23 25'9"; Well No. 24 30'
- e) Depth to Top of Water Bearing Material Well No. 21 4½'; Well No. 22 5'; Well No. 23 10'; Well No. 24 7'
- f) Depth to Water (ground surface to water level) Well No. 21 1.7'; Well No. 22 2.4'; Well No. 23 2.3'; Well No. 24 1.8'
- g) Distance to nearest existing domestic well: Well No. 21 500'; Well No. 22 1000';
Well No. 23 500'
On applicants property Well No. 24 1000' On property owned by others One-Half Mile

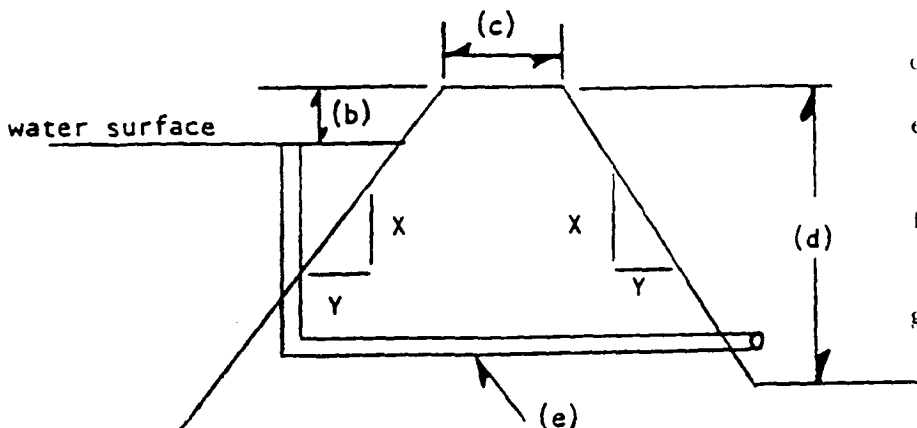
2. Dugout Information Estimates

- 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 ----

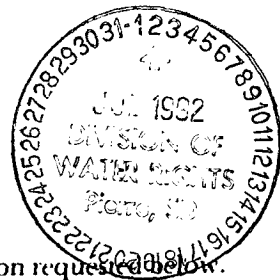
Downstream ----

Surface Area of Impoundment ----

Storage ----- acre feet

Drainage area above dam ----

Signature of Applicant John Foley
President, Utility Board



Leroy Bulls
1201 Karen Street
886-4044

**Well Boring
Trenching
Water and Sewer System**

Duane Bulls
1120 North Broadway
888-6746

Leroy Bulls
1201 Karen Street
886-4044

Well Boring Trenching Water and Sewer System

Duane Bullis
1120 North Broadway
888-6746

Drilling Log

Date 1-15 1982

Name WaterTown City of

Address _____

City & State _____

County _____

TEST Hole for well H 21

$\frac{1}{4}$ _____ $\frac{1}{4}$ Sec _____ Twp _____ Rg _____

Formation	From	To
Top Soil	0	3
Gray Clay	3	4 1/2
Sand	4 1/2	8
Sand + Black like	8	13
Soil (very dirty)		
Gray Course Sand	13	15 1/2
(Cleaner)		
Soft Gray Clay	15 1/2	22
(no sand)		
Gray med to coarse		
Sand w/ fines	22	30
Gray med sand w/		
Gravel (fines)	30	40
Course Gray Sand		
+ Gravel	40	44
Blue Clay	44	47

[illegible]

Completed depth

Comments

December 24
Stony Brook
V

Drilling Log

Date 1-15 1982

Name WaterTown, City of

Address _____

City & State _____

County _____

Test Hole for well # 22

1/4 Sec Twp Rg

Formation	From	To
Top Soil	0	5
yellow + Gray sand		
(med)	5	10
Med To Course Sand		
(Dirty - Blot)	10	14
Mostly Clay	14	18
Gravel w/ Clay	18	20
yellow + Gray sand		
(Course)	20	25
Gray Sand (med)	25	30
Med To Course Gray		
Sand w/ Gravel (Fines)	30	40
Med To Course Sand		
(Gray)	40	44 1/2
Gray Clay (Soft)	44 1/2	46
Gray Clay (Firm)	46	48

[illegible]

Completed depth

Comments

Invoice # 4
De Roy Dullin

Duane Bulls
1120 North Broadway
886-6746

Duane Bullis
1120 North Broadway
886-6746

Date 5-26-1955

Date 12/10/11

Address _____

City & State _____

County _____

Test Hole # 10 Well # 24
 1/4 1/4 Sec Twp Rg

Far West by River

Name Waterbury City, Ct
Address _____
City & State _____
County Test Hole # 9 Well # 23
 $\frac{1}{4}$ _____ $\frac{1}{4}$ Sec _____ Twp _____ Rg _____

Formation	From	To
Black Soil	0	5
Grayish Brown Clay	5	7
Fine Sand w/ Black Soil	7	10
Grzy Sand w/ Grzy Clay	10	14
MISTLY SOFT Grzy Clay	14	17
Course Grzy Sands		
Cleaner	17	20
Med Grzy Sand		
w/ fines	20	25
Med Grzy Sand - Clean	25	35
Course Grzy Sand	35	42
Grzyish Brown Clay	42	47

Casing		
Length	Diam.	Type

Screen		
Length	Diam.	Slot & Type

Completed depth _____

Comments STZTIC
Water Level
4.4'

Formation	From	To
Black Soil	0	4
Fine Gray Sand		
Very Dirty w/	4	10
Black soil		
Fine To Med Gray	10	15
Sand - Some Black soil		
Med To Course		
Gray Sand	15	25
Med To Course		
w/ fines (Gray)	25	35
Mostly fine w/		
med sand (Gray)	35	39 1/2
Blue clay	39 1/2	45
Static water level 5'11' from		
Ground level		
Signature #4		

Casing		
Length	Diam.	Type
35'	4"	Plastic
Screen		
Length	Diam.	Slot & Type
10'	4"	Plastic cage
Completed depth 40' from ground level		
Comments Pumped @ 75 gpm. Drew down 13'4" from ground level		

BANNER

JOB NO. 7493-02
JOB WATER SUPPLY IMPR. PHASE II
CALCULATED BY RB DATE 6/15/92
CHECKED BY _____ DATE _____

BANNER ASSOCIATES, INC.

SHEET NO. 1 OF 1

FILING FEE - 1200 GPM

FIRST 75 GPM

\$150⁰⁰

SECOND 75 GPM

75⁰⁰

EACH ADDN'L 75 GPM OR
FRACTION THEREOF @ \$25⁰⁰

$1200 - 75 - 75 = 1050$

$\div 75 = 14$

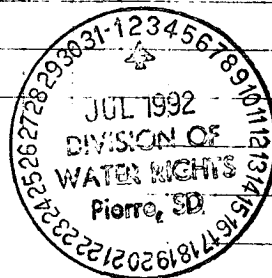
$14 \times \$25⁰⁰$

350⁰⁰

TOTAL FILING FEE

\$575⁰⁰

PAID JUL - 1 1992



BANNER ASSOCIATES, INC.

JOB NO. 1415-02
JOB WATER SUPPLY IMPR - PHASE II

CALCULATED BY RB

DATE 5/14/92

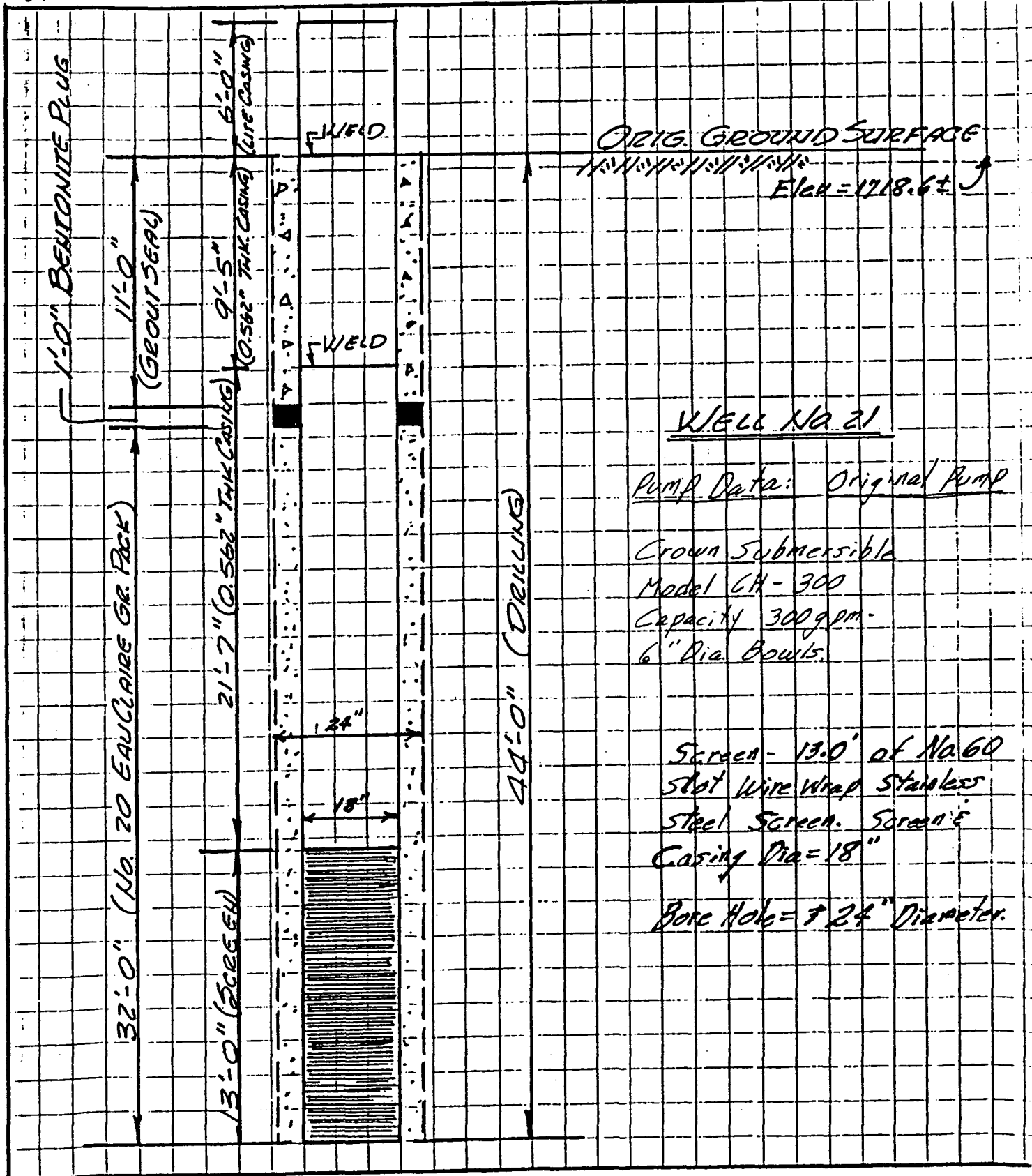
CHECKED BY.

DATE

21

SHEET NO.

OF



Duane Bulls
1120 North Broadway
800-6746

**Well Boring
Trenching
Water and Sewer System**
1201 Karen Street
Watertown, South Dakota 57203

Drilling Log

Date 1-15-1982

Name WaterTown City of

Address

City & State

County

Test Hole for well H. 21

$\frac{1}{4}$ — $\frac{1}{4}$ Sec — Twp — Rg

1. <i>Chlorophyll a</i> (mg/g) 2. <i>Chlorophyll b</i> (mg/g) 3. <i>Chlorophyll a + b</i> (mg/g) 4. <i>Carotenoids</i> (mg/g) 5. <i>Total carotenoids</i> (mg/g) 6. <i>Chlorophyll a/b ratio</i> 7. <i>Chlorophyll a/c ratio</i> 8. <i>Chlorophyll b/c ratio</i> 9. <i>Chlorophyll a/d ratio</i> 10. <i>Chlorophyll b/d ratio</i> 11. <i>Chlorophyll a/e ratio</i> 12. <i>Chlorophyll b/e ratio</i> 13. <i>Chlorophyll a/f ratio</i> 14. <i>Chlorophyll b/f ratio</i> 15. <i>Chlorophyll a/g ratio</i> 16. <i>Chlorophyll b/g ratio</i> 17. <i>Chlorophyll a/h ratio</i> 18. <i>Chlorophyll b/h ratio</i> 19. <i>Chlorophyll a/i ratio</i> 20. <i>Chlorophyll b/i ratio</i> 21. <i>Chlorophyll a/j ratio</i> 22. <i>Chlorophyll b/j ratio</i> 23. <i>Chlorophyll a/k ratio</i> 24. <i>Chlorophyll b/k ratio</i> 25. <i>Chlorophyll a/l ratio</i> 26. <i>Chlorophyll b/l ratio</i> 27. <i>Chlorophyll a/m ratio</i> 28. <i>Chlorophyll b/m ratio</i> 29. <i>Chlorophyll a/n ratio</i> 30. <i>Chlorophyll b/n ratio</i> 31. <i>Chlorophyll a/o ratio</i> 32. <i>Chlorophyll b/o ratio</i> 33. <i>Chlorophyll a/p ratio</i> 34. <i>Chlorophyll b/p ratio</i> 35. <i>Chlorophyll a/q ratio</i> 36. <i>Chlorophyll b/q ratio</i> 37. <i>Chlorophyll a/r ratio</i> 38. <i>Chlorophyll b/r ratio</i> 39. <i>Chlorophyll a/s ratio</i> 40. <i>Chlorophyll b/s ratio</i> 41. <i>Chlorophyll a/t ratio</i> 42. <i>Chlorophyll b/t ratio</i> 43. <i>Chlorophyll a/u ratio</i> 44. <i>Chlorophyll b/u ratio</i> 45. <i>Chlorophyll a/v ratio</i> 46. <i>Chlorophyll b/v ratio</i> 47. <i>Chlorophyll a/w ratio</i> 48. <i>Chlorophyll b/w ratio</i> 49. <i>Chlorophyll a/x ratio</i> 50. <i>Chlorophyll b/x ratio</i> 51. <i>Chlorophyll a/y ratio</i> 52. <i>Chlorophyll b/y ratio</i> 53. <i>Chlorophyll a/z ratio</i> 54. <i>Chlorophyll b/z ratio</i> 55. <i>Chlorophyll a/aa ratio</i> 56. <i>Chlorophyll b/aa ratio</i> 57. <i>Chlorophyll a/ab ratio</i> 58. <i>Chlorophyll b/ab ratio</i> 59. <i>Chlorophyll a/ac ratio</i> 60. <i>Chlorophyll b/ac ratio</i> 61. <i>Chlorophyll a/ad ratio</i> 62. <i>Chlorophyll b/ad ratio</i> 63. <i>Chlorophyll a/ae ratio</i> 64. <i>Chlorophyll b/ae ratio</i> 65. <i>Chlorophyll a/af ratio</i> 66. <i>Chlorophyll b/af ratio</i> 67. <i>Chlorophyll a/ag ratio</i> 68. <i>Chlorophyll b/ag ratio</i> 69. <i>Chlorophyll a/ah ratio</i> 70. <i>Chlorophyll b/ah ratio</i> 71. <i>Chlorophyll a/ai ratio</i> 72. <i>Chlorophyll b/ai ratio</i> 73. <i>Chlorophyll a/aj ratio</i> 74. <i>Chlorophyll b/aj ratio</i> 75. <i>Chlorophyll a/ak ratio</i> 76. <i>Chlorophyll b/ak ratio</i> 77. <i>Chlorophyll a/al ratio</i> 78. <i>Chlorophyll b/al ratio</i> 79. <i>Chlorophyll a/am ratio</i> 80. <i>Chlorophyll b/am ratio</i> 81. <i>Chlorophyll a/an ratio</i> 82. <i>Chlorophyll b/an ratio</i> 83. <i>Chlorophyll a/ao ratio</i> 84. <i>Chlorophyll b/ao ratio</i> 85. <i>Chlorophyll a/ap ratio</i> 86. <i>Chlorophyll b/ap ratio</i> 87. <i>Chlorophyll a/aq ratio</i> 88. <i>Chlorophyll b/aq ratio</i> 89. <i>Chlorophyll a/ar ratio</i> 90. <i>Chlorophyll b/ar ratio</i> 91. <i>Chlorophyll a/as ratio</i> 92. <i>Chlorophyll b/as ratio</i> 93. <i>Chlorophyll a/at ratio</i> 94. <i>Chlorophyll b/at ratio</i> 95. <i>Chlorophyll a/au ratio</i> 96. <i>Chlorophyll b/au ratio</i> 97. <i>Chlorophyll a/av ratio</i> 98. <i>Chlorophyll b/av ratio</i> 99. <i>Chlorophyll a/aw ratio</i> 100. <i>Chlorophyll b/aw ratio</i> 101. <i>Chlorophyll a/ax ratio</i> 102. <i>Chlorophyll b/ax ratio</i> 103. <i>Chlorophyll a/ay ratio</i> 104. <i>Chlorophyll b/ay ratio</i> 105. <i>Chlorophyll a/az ratio</i> 106. <i>Chlorophyll b/az ratio</i> 107. <i>Chlorophyll a/aa ratio</i> 108. <i>Chlorophyll b/aa ratio</i> 109. <i>Chlorophyll a/ab ratio</i> 110. <i>Chlorophyll b/ab ratio</i> 111. <i>Chlorophyll a/ac ratio</i> 112. <i>Chlorophyll b/ac ratio</i> 113. <i>Chlorophyll a/ad ratio</i> 114. <i>Chlorophyll b/ad ratio</i> 115. <i>Chlorophyll a/ae ratio</i> 116. <i>Chlorophyll b/ae ratio</i> 117. <i>Chlorophyll a/af ratio</i> 118. <i>Chlorophyll b/af ratio</i> 119. <i>Chlorophyll a/ag ratio</i> 120. <i>Chlorophyll b/ag ratio</i> 121. <i>Chlorophyll a/ah ratio</i> 122. <i>Chlorophyll b/ah ratio</i> 123. <i>Chlorophyll a/ai ratio</i> 124. <i>Chlorophyll b/ai ratio</i> 125. <i>Chlorophyll a/aj ratio</i> 126. <i>Chlorophyll b/aj ratio</i> 127. <i>Chlorophyll a/ak ratio</i> 128. <i>Chlorophyll b/ak ratio</i> 129. <i>Chlorophyll a/al ratio</i> 130. <i>Chlorophyll b/al ratio</i> 131. <i>Chlorophyll a/am ratio</i> 132. <i>Chlorophyll b/am ratio</i> 133. <i>Chlorophyll a/an ratio</i> 134. <i>Chlorophyll b/an ratio</i> 135. <i>Chlorophyll a/ao ratio</i> 136. <i>Chlorophyll b/ao ratio</i> 137. <i>Chlorophyll a/ap ratio</i> 138. <i>Chlorophyll b/ap ratio</i> 139. <i>Chlorophyll a/aq ratio</i> 140. <i>Chlorophyll b/aq ratio</i> 141. <i>Chlorophyll a/ar ratio</i> 142. <i>Chlorophyll b/ar ratio</i> 143. <i>Chlorophyll a/as ratio</i> 144. <i>Chlorophyll b/as ratio</i> 145. <i>Chlorophyll a/at ratio</i> 146. <i>Chlorophyll b/at ratio</i> 147. <i>Chlorophyll a/au ratio</i> 148. <i>Chlorophyll b/au ratio</i> 149. <i>Chlorophyll a/av ratio</i> 150. <i>Chlorophyll b/av ratio</i> 151. <i>Chlorophyll a/aw ratio</i> 152. <i>Chlorophyll b/aw ratio</i> 153. <i>Chlorophyll a/ax ratio</i> 154. <i>Chlorophyll b/ax ratio</i> 155. <i>Chlorophyll a/ay ratio</i> 156. <i>Chlorophyll b/ay ratio</i> 157. <i>Chlorophyll a/az ratio</i> 158. <i>Chlorophyll b/az ratio</i> 159. <i>Chlorophyll a/aa ratio</i> 160. <i>Chlorophyll b/aa ratio</i> 161. <i>Chlorophyll a/ab ratio</i> 162. <i>Chlorophyll b/ab ratio</i> 163. <i>Chlorophyll a/ac ratio</i> 164. <i>Chlorophyll b/ac ratio</i> 165. <i>Chlorophyll a/ad ratio</i> 166. <i>Chlorophyll b/ad ratio</i> 167. <i>Chlorophyll a/ae ratio</i> 168. <i>Chlorophyll b/ae ratio</i> 169. <i>Chlorophyll a/af ratio</i> 170. <i>Chlorophyll b/af ratio</i> 171. <i>Chlorophyll a/ag ratio</i> 172. <i>Chlorophyll b/ag ratio</i> 173. <i>Chlorophyll a/ah ratio</i> 174. <i>Chlorophyll b/ah ratio</i> 175. <i>Chlorophyll a/ai ratio</i> 176. <i>Chlorophyll b/ai ratio</i> 177. <i>Chlorophyll a/aj ratio</i> 178. <i>Chlorophyll b/aj ratio</i> 179. <i>Chlorophyll a/ak ratio</i> 180. <i>Chlorophyll b/ak ratio</i> 181. <i>Chlorophyll a/al ratio</i> 182. <i>Chlorophyll b/al ratio</i> 183. <i>Chlorophyll a/am ratio</i> 184. <i>Chlorophyll b/am ratio</i> 185. <i>Chlorophyll a/an ratio</i> 186. <i>Chlorophyll b/an ratio</i> 187. <i>Chlorophyll a/</i>
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Formation	From	To
Top Soil	0	3
Gray Clay	3	4 1/2
Sand	4 1/2	8
Sand + Black like	8	13
Soil (very dirty)		
Gray Course sand	13	15 1/2
(Cleaner)		
Soft Gray Clay	15 1/2	22
(no sand)		
Gray med to coarse		
Sand w/ fines	22	30
Gray med sand w/		
Gravel (fines)	30	40
Course Gray sand		
+ Gravel	40	44
Blue Clay	44	47

[illegible]

Water and Sewer Systems

Duane Bullis
1120 North Broadway
888-8746

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

Drilling Log

Date 1-15 1972

Name WATER TOWN City of

Address

City & State

County

Test Hole for well #22

1/4 sec 1 w/p Rg

Formation	From	To
Top Soil	0	5
yellow + Gray sand		
(med) S	5	10
Med To Course Sand		
(Dirty - Bet)	10	14
Mostly Clay	14	18
Gravel w/ Clay	18	20
yellow + Gray sand		
(Course) S	20	25
Gray Sand (med)	25	30
Med To Course Gray		
Sand w/ Gravel (Fines)	30	40
Med To Course Sand		
(Gray) S	40	44 1/2
Gray Clay (Soft)	44 1/2	46
Gray Clay (Firm)	46	48

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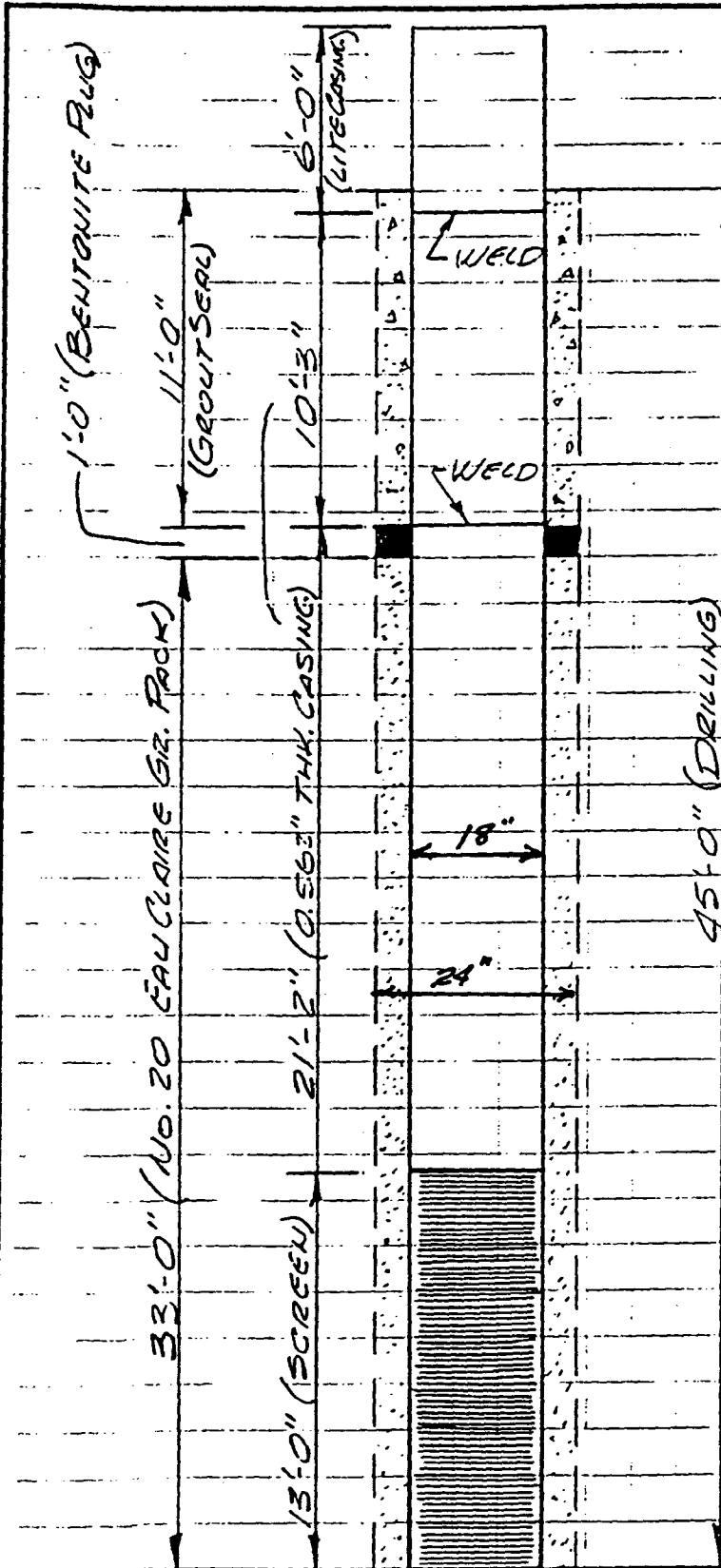
BANNER

BANNER ASSOCIATES, INC.

JOB NO. 7493-02
 JOB WATER SUPPLY IMPROV - PHASE II
 CALCULATED BY RB DATE 3/3/92
 CHECKED BY _____ DATE _____

SHEET NO. _____ OF _____

#22



ORIG. GROUND SURFACE = 1719.75
 1711.11 1711.11 1711.11

Pump Data - Original Pump
 Crown Submersible
 Model 6H-300
 Capacity 300 gpm.
 6" Dia. Bore

WELL NO. 22

Screen - 13.0' of No. 60 Slot
 Wire Wrapped Stainless Steel
 Screen

Screen & Casing Dia = 18"

Bore Hole Dia = 24"

BANNER

JOB NO. 2493-02

JOB WATER SUPPLY IMPR - PHASE II

CALCULATED BY RB

DATE 2/27/92

CHECKED BY _____

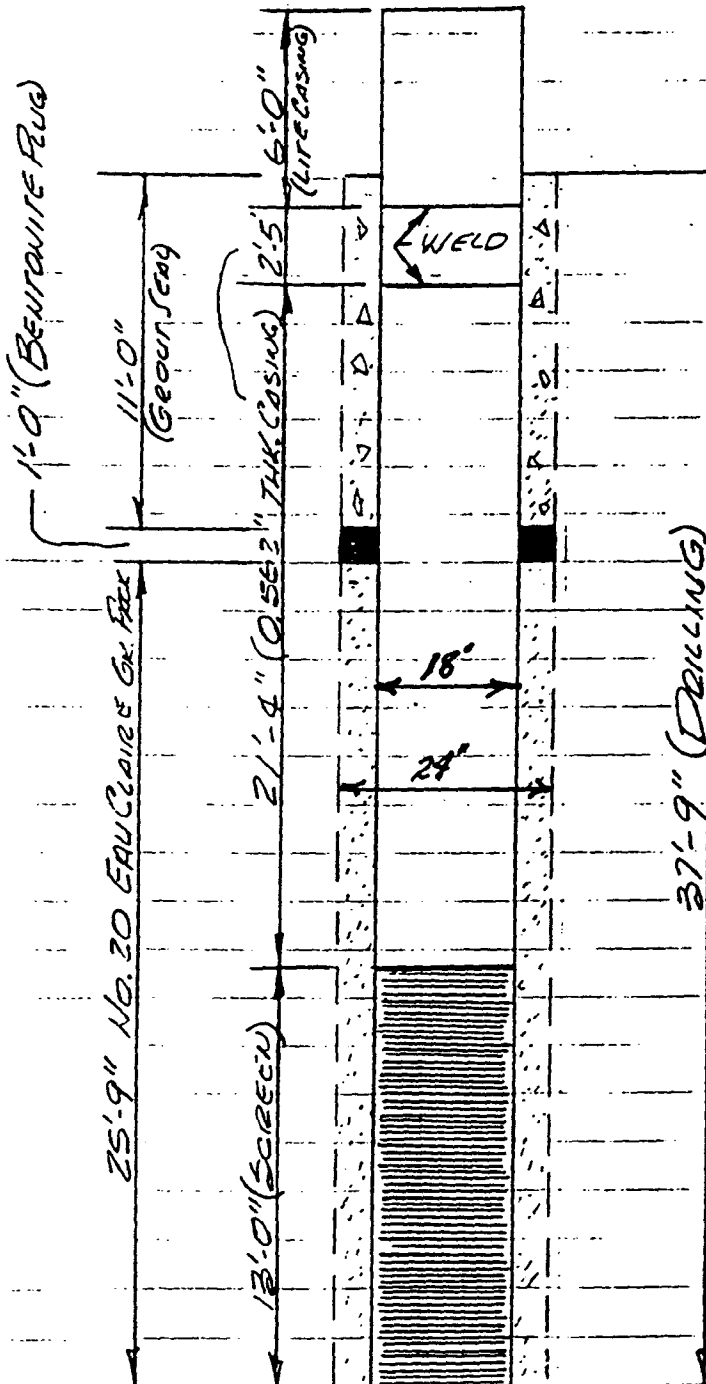
DATE _____

BANNER ASSOCIATES, INC.

SHEET NO. _____

OF _____

#23



ORIG. GROUND SURFACE = 1719.4±

Pump Data - Original pump
Crown Submersible
Model 6H-300
Capacity - 300 gpm
6" Dia. Bowls

WELL No. 23

Screen = 13.0' of No 60 slot
Wire wrapped stainless steel screen.

Screen & Casing Dia = 18"

Bore Hole Dia = 24"

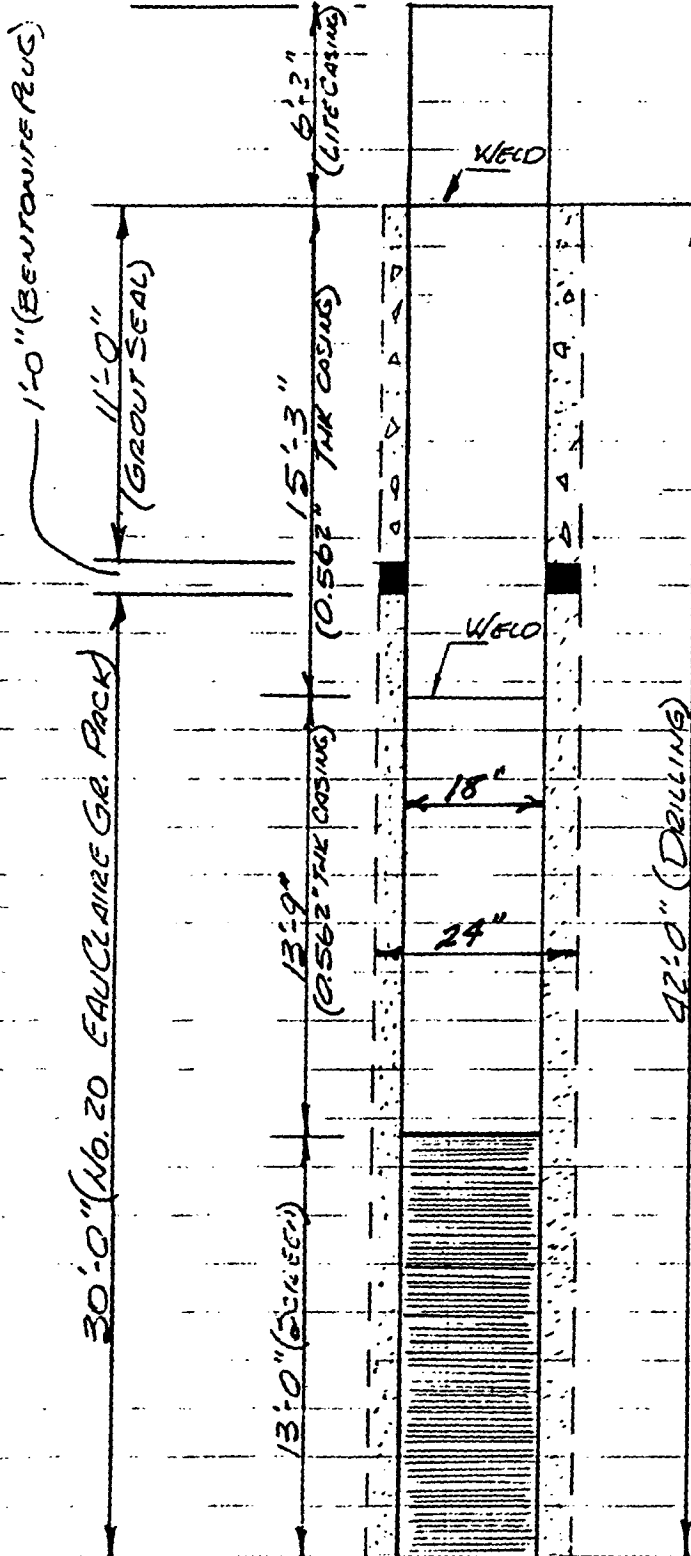
BANNER

JOB NO. 7493-02
 JOB WATER SUPPLY IMPR - PHASE II
 CALCULATED BY ER DATE 2/25/92
 CHECKED BY _____ DATE _____

BANNER ASSOCIATES, INC.

SHEET NO. _____ OF _____

#24



ORIG. GROUND SURFACE = 1219.4 ±
 TIRK

Pump Data - Original Pump
 Crown Submersible
 Model 6H-300
 Capacity - 300 gpm.
 6" Dia. Bowls

Well No. 24

Screen = 13.0' of No. 60 Slot
 Wire Wrapped Stainless Steel Screen

Screen and Casing Dia. = 18"

Bore Hole Dia = 24"

BULLIS BROTHERS

LeRoy Bullis
201 Karen Street
86-4044

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

Duane Bullis
1120 North Broadway
866-6746

Drilling log

Date 5-26-1955

Name Water Town, City of

Address

City & State

County

Test Hole # 10 Well #24

1/4 Sec 1/4 Sec Twp Rg

For West by River

Formation

From To

Casing

Length Diam. Type

Formation

From To

Casing

Length Diam. Type

Black Soil 0 5
Grayish Brown Clay 5 7
Fine Sand w/ Black Soil 7 10
Coarse Sand w/ Gray Clay 10 14
Mostly Soft Gray Clay 14 17
Coarse Gray Sand 17 20
Med Gray Sand 20 25
w/ fines 25 35
Med Gray Sand - Clean 35 35
Coarse Gray Sand 35 42
Grayish Brown Clay 42 47

Screen 17 20

Screen

Length Diam. Slot & Type

Completed depth

Comments Static

Water Level

4.4'

Le Roy Bullis

BULLIS BROTHERS

LeRoy Bullis
1201 Karen Street
866-4044

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

Duane Bullis
1120 North Broadway
866-6746

Drilling log

Date 8-26-1955

Name Water Town, City of

Address

City & State

County

Test Hole # 9 Well #23

1/4 Sec 1/4 Sec Twp Rg

Formation

From To

Casing

Length Diam. Type

Black Soil 0 4
Fine Gray Sand 4 10
Vary Dirty w/ Black Soil 10 15
Fine to Med Gray Sand - Some Black Soil 15 20
Med to Coarse Gray Sand 20 25
Med to Coarse Gray Sand 25 35
w/ fines (Gray) 35 35
Mostly fine w/ Med Sand (Gray) 35 39 1/2
Blue Clay 39 1/2 45
Static Water Level 5.11' from Ground level Section #4

Screen 15 25

Screen

Length Diam. Slot & Type

Completed depth 40'

Comments Pumped @ 75 GPM, Drawn down 13'4" from Ground level

Le Roy Bullis

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

413294

Pierre, July 10, 19 92

RECEIVED OF Municipal Utilities, 901 4th Ave 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>5683-3</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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

July 6, 1992

City of Watertown
John Foley, President, Utility Board
901 Fourth Ave SW
Watertown SD 57201

Dear Mr. Foley:

In regard to the City of Watertown's water permit application received on July 2, 1992, the following information needs to be clarified in order to process the application.

Our records indicate that Future Use Permit No. 1218-3 has 4,796 acre-feet of water remaining in reserve. Item No. 2 of the application, the amount of water claimed, should be quantified in an acre-feet amount. The amount of water claimed on the City's application is 3.6 cubic feet of water per second (cfs). This diversion rate would convert to 2606 acre-feet annually, however, it is doubtful that pumping will occur on a continuous bases. A general rule followed by numerous water systems is that pumps are operated sixty percent of the time. Using this rule, the 3.6 cfs diversion rate would convert to 1,564 acre-feet annually. Upon approval of the application, this amount would be deducted from Future Use Permit No. 1218-3. The filing fee based on the 1,564 acre-feet amount would be \$500.00. Enclosed is the check for \$575.00.

Please indicate the acre-feet of water to be used from Future Use Permit No. 1218-3 and further processing of your application will continue. If you have any questions, please contact Eric Gronlund of this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure

cc: Don Sears, Water Superintendent

Water Rights Division - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Watertown's Application from FU Permit No.1218-3

ADDRESS: _____ COUNTY: Codington

DATE: 7/7/92 TELEPHONE: _____

RE: Discussion with Bob Brotsky (Banner and Assoc.) Watertown's Consultants

COMMENTS:

Mr. Brotsky the consulting engineer for the City of Watertown called regarding the letter we sent on July 6, 1992. The intent of the letter was to have the application's amount of water claimed quantified to an acre-foot amount. Mr. Brotsky stated that the 1564 acre-foot annually limitation was fine with him. He stated that it sounded like a 'win - win' proposition because the application filing fee would be less and would allow more water to remain in reserve by Future Use Permit No. 1218-3. He stated that he would contact the city but was sure that they'd have no ^{le 23}problem with the 1564 acre-foot limitation. He said he'd get back ahold of me if there was a problem.

I stated we'd move forward on processing the permit and would be expecting the \$500 application filing fee in the very near future.

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

NAME: Eric Lundquist

MUNICIPAL UTILITIES DEPARTMENT

901 Fourth Avenue Southwest

WATERTOWN, SOUTH DAKOTA 57201-4107

PHONE (605) 886-5733

FAX (605) 886-5821



July 9, 1992

Karen Schlaak
Natural Resources Analyst
Dept. of Environment & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

RE: Water Permit Application

Dear Ms. Schlaak:

We write in response to your letter of July 6, 1992 to clarify the information needed to process our water permit application.

We are in agreement that the wells would be operated approximately 60% of the time, thus converting the rate to 1,564 acre-feet annually.

Sincerely,

JOHN L. FOLEY
President
Municipal Utilities Board

JLF:jap

PAYMENT REQUEST FORM

PAYEE: Municipal Utilities Dept.
901 4th Ave. SW
Watertown, SD 57201-4107

FROM: DENR
Water Rights Division
532 E. Capitol
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCT OR TRANSFER

Refund of a portion of their water permit application fee.

AMOUNT: \$75.00

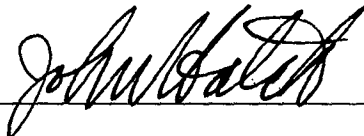
FUNDING SOURCE:

GENERAL:

FEDERAL:

COMMENTS:

AUTHORIZATION: _____



7-13-92

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted program

REPORT ON APPLICATION NO. 5683-3
for the City of Watertown
August 12, 1992

Application No. 5683-3 proposes to construct and place to beneficial use 1564 acre-feet annually at a pumping rate of 3.6 cfs from four wells approximately 39 to 45 feet deep located in the NW 1/4 NW 1/4 of section 14, T117N R53W in Codington County. This water was appropriated and reserved by Future Use Permit No. 1218-3. The water will be for municipal use by the City.

5
AQUIFER - BIG SIOUX NORTH (B~~G~~-N)

The Big Sioux North is an alluvium mantled glacial outwash (sand and gravel) under predominantly unconfined (water table) conditions. The aquifer underlies 67,300 acres and contains an estimated 151,430 acre feet of recoverable water in storage in Codington County (Hedges, 1982). The Big Sioux North is hydraulically connected to Gravel Creek, the Big Sioux River, Lake Kampeska, Lake Pelican and extend into Grant County to the north and into Hamlin County to the south. Ground water moves from north to south with a gradient of 6 to 10 feet/mile and is affected by area lakes and the Big Sioux River (Hansen, 1990). During high water periods usually in the spring water from the river and lakes can be higher than the water level in the aquifer and can potentially move into the aquifer, but generally, the groundwater will discharge into the surface water. Recharge to the Big Sioux aquifer is dependent upon rainfall and snowmelt and can approach 6 to 10 inches per year, if available (Hansen, 1990).

The Division of Water Rights monitors 21 observation wells completed into the Big Sioux aquifer in Codington County. Three of these wells CD-60B, CD-59A and CD-77F are located within 2 miles of this application. Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years and gradually declining water levels during dry years. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1992).

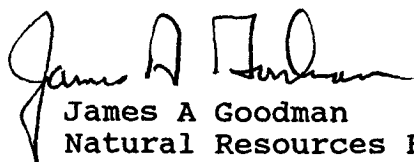
REVIEW OF EXISTING WATER PERMITS/RIGHTS

The only other water user in this area is the City of Watertown. There are 10 existing city wells within 1/2 mile of this application. Interference is not expected to be adverse. There has been no reported problem with the existing wells. There is a distance of about 500 feet between the proposed wells and to the nearest existing City wells. This distance should be sufficient to minimize any potential interference between pumping wells. Also some of these wells are very near the Big Sioux River, the confluence of Gravel Creek and the Big Sioux River and the outlet/inlet of Lake Kampeska and the Big Sioux River. This area is subject to flooding.

CONCLUSIONS

1. Water is available from the Big Sioux North aquifer.

2. Interference is not expected to be a concern. All the existing diversions in this area are controlled by the City of Watertown and can be managed by them.
3. Any wells authorized by this application if approved must be constructed in accordance with SD Well Construction Standards.
4. The water for this application has been reserved by Future Use Permit No. 1218-3. This application is for 1,564 acre feet annually. The amount water remaining in Future Use for the City of Watertown under Future Use Permit No. 1218-3 is 3232 acre feet.


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Hansen, D.S., 1990, Water Resources of Codington and Grant Counties, South Dakota, USGS WRI 89-4147, USGS, Huron, SD, 57350.
- 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.
- Water Rights, 1992, Unpublished Observation Well Records for Codington County, SD DENR, Division of Water Rights, Pierre, SD, 57501.

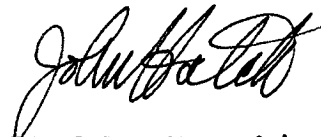
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5683-3, City of Watertown

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. 5683-3, City of Watertown, c/o John Foley, Utility Board President, 901 Fourth Avenue SW, Watertown, SD 57201.

The Chief Engineer is recommending APPROVAL of Application No. 5683-3 because 1) the proposed diversion can be developed without unlawful impairment of prior rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualifications:

1. 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.
2. The wells authorized by Permit No. 5683-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

See report on application for additional information.



JOHN HATCH, Chief Engineer
August 17, 1992



GREAT FACES. GREAT PLACES.

**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.

August 26, 1992

John Foley, Utility Board President
City of Watertown
901 4th Ave SW
Watertown, SD 57201

Dear Mr. Foley:

Water Permit Application No. 5683-3 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 Public Opinion printed at Watertown, SD (Ph # 886-6901). 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

cc: Don Sears, Water Superintendent

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.



GREAT FACES. GREAT PLACES.

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 26, 1992

Public Opinion
PO Box 10
Watertown, SD 57201-0010

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5683-3 to be published twice. Please publish the first notice on September 2, 1992, 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, 901 Fourth Ave NW, Watertown, SD 57201 (Ph # 886-5733).

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

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 _____

on to Newspaper - Publish first Notice on September 2, 1992, with the second on 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5683-3 to Develop Reserved Water

is given that the City of Watertown, 901 Fourth Ave SW, Watertown, SD 57201 has an application for a water permit to construct and place to beneficial use 1,564 feet annually, at a pumping rate of 3.6 cubic feet of water per second, from four s (Big Sioux:North Aquifer) between 37 and 45 feet deep located in the NW 1/4 NW 1/4 ion 14-T117N-R53W. This water was appropriated and reserved by Future Use Permit No. 8-3. The water will be for municipal use by the City.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5683-3 because 1) prior rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to 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 September 21, 1992. 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.

If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application at 10:00 am, September 30, 1992, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD. If a hearing is held, 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. The September 30, 1992, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by September 21, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. 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. Contact Eric Gronlund by September 21, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 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, 46-2A-20, 46-2A-21; 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, 46-6-26; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; 74:02:01:24 thru 74:02:01:25. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
 County Codington) ss.

I, Monica K. Saathoff
 certify that the attached printed Notice 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:

September 2nd, 1992

September 9th, 1992

Monica K Saathoff
 (Signature)

Bookkeeper

(Title)

September 9th, 1992

(Date Signed)

Cost of Printing: 126.82



APPLICATION

NOTICE OF HEARING ON APPLICATION NO. 5683-3 TO DEVELOP RESERVED WATER

Notice is given that the City of Watertown, 901 Fourth Ave SW, Watertown, SD 57201 has filed an application for a water permit to construct and place to beneficial use 1,564 acre-feet annually, at a pumping rate of 3.6 cubic feet of water per second, from four wells (Big Sioux: North Aquifer) between 37 and 45 feet deep located in the NW 1/4 NW 1/4 Section 14-T117N-R53W. This water was appropriated and reserved by Future Use Permit No. 1218-3. The water will be for municipal use by the City.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5683-3 because 1) prior rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to 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 September 21, 1992. 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.

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held, 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. The September, 30, 1992, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by September 21, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. 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. Contact Eric Gronlund by September 21, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9 46-2-11, 46-2-13, 46-1-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 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, 46-6-26; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; 74:02:01:24 thru 74:02:01:25. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.

(September 2, 9, 1992)



MAR 17 1993

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

John Foley, President, Utility Board
City of Watertown
901 Fourth Avenue SW
Watertown, SD 57201

Dear Mr. Foley:

Enclosed is Water Permit No. 5683-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

Very truly yours,

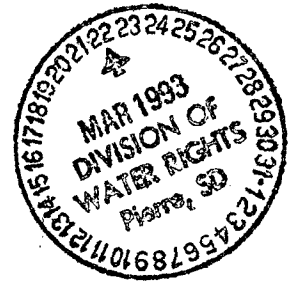
JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures

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

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

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



Date March 19, 1993

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

FROM: City of Watertown 901 Fourth Avenue S.W.
(name) (address)
Watertown, SD 57201 605/886-5733
(city) (state) (zip) (phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 5683-3.

Water Permit No. 5683-3 states that the diversion system is to be constructed by September 30, 1997, and that the water is put to beneficial use by
(date)
September 30, 2001.
(date)

The diversion system was completed on December 31, 1992.
(date)

Applying the water to beneficial use was completed on December 31, 1992.
(date)

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

Donald L. Sears

(signature)

Donald L. Sears
Water Superintendent



**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

REPORT ON INSPECTION OF PERMIT NO. 5683-3

DATE OF INSPECTION: 8/13/1996

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

DIVERSION POINT LEGAL LOCATION: 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 21 - 450 S, 1040 ft E; Well 22 - 450 ft S, 570 ft E; Well 23 - 260 ft S, 910 ft E; Well 24 - 260 ft S 360 ft E

WATER SUPPLY Source: groundwater, Big Sioux North Aquifer

Well Information:

Well 21

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Bullis Brothers</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>44</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- | | |
|------------------------------|--------------------------|
| 1) Diameter <u>18</u> inches | 2) Length <u>31</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|-------------------------------------|----------------------------|
| 1) Type <u>stainless steel</u> | 2) Length <u>13.0</u> feet |
| 3) Static water level <u>6</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 22

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Bullis Brothers</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>45</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- 1) Diameter 18 inches
- 2) Length 32 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 13 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 23

- 1) Well Drilling Firm: Bullis Brothers
- 2) No. of Wells 1
- 3) Depth(s) 37.8 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 18 inches
- 2) Length 24.8 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 13 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 24

1) Well Drilling Firm: Bullis Brothers 2) No. of Wells 1

3) Depth(s) 42 feet 4) Well log is available yes

Casing:

1) Diameter 18 inches 2) Length 29 feet

3) Type steel

Screen:

1) Type stainless steel 2) Length 13 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 City's municipal distribution system

PERMIT QUALIFICATIONS AND REGULATIONS:

1) Special qualifications to permit being abided by yes

2) All structures, wells and lands on map yes

Permit No. 5683-3
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, 8/13/1996, I made a thorough examination of the water use system constructed by the City of Watertown of 901 Fourth Ave SW, Watertown SD holder of Permit No. 5683-3, bearing the priority of September 2, 1965 authorizing the diversion of 3.6 cu. ft. per second of the waters of groundwater Big Sioux North Aquifer for Municipal purposes, in Codington County.

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

A. Works used to divert the water:

Four Jacuzzi submersible pumps with a combined 1200 gpm capacity.

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

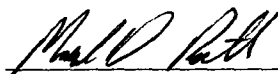
the City's municipal distribution system

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 21 - 450 S, 1040 ft E; Well 22 - 450 ft S, 570 ft E; Well 23 - 260 ft S, 910 ft E; Well 24 - 260 ft S 360 ft E. The works are capable of diverting and conveying to the place of use 2.67 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 2.67 cfs.

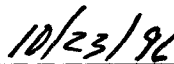
Note: balance of the water to return back to Future Use Permit No. 1218-3

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none



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



Date

NAPP-4395

No 725575

1844



T117N-53W

Mark D Rath
Natural Resources Engineer
Division of Water Rights
Date 11/23/96

No 5683-3

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5683-3

(1) Watertown Municipal Utilities, City of Watertown, 901 4th Ave SW, Watertown SD 57201 made Application No. 5683-3, July 2, 1992 for a water permit to divert 3.6 cubic feet of water per second (1,564 acre-feet annually) from groundwater (four wells), Codington County, South Dakota for municipal use purposes. Permit No. 5683-3, with a priority date of September 2, 1965 (established by Future Use Permit No. 1218-3) was approved September 30, 1992 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before September 30, 1997 and for the application to beneficial use of said water on or before September 30, 1997.

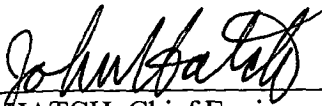
The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on March 22, 1993. The *Notice* stated the diversion system was completed on December 31, 1992 and the water placed to beneficial use on December 31, 1992.

(2) It is certified that the permit holder 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 2.67 cubic feet of water per second for beneficial use. The location of the diversion points are:

Well #21 - 450 feet south and 1,040 feet east (NW 1/4 NW 1/4 Section 14);
Well #22 - 450 feet south and 570 feet east (NW 1/4 NW 1/4 Section 14);
Well #23 - 260 feet south and 910 feet east (NW 1/4 NW 1/4 Section 14);
Well #24 - 260 feet south and 360 feet east (NW 1/4 NW 1/4 Section 14);
all located from the NW corner of Section 14-T117N-R53W.

(3) The permit holder 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 Right No. 5683-3 is issued a license to appropriate water, the right to use 2.67 cubic feet of water per second (1,160 acre-feet annually) from groundwater (four 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 Right No. 5683-3 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

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

Division of Water Rights

South Dakota Department of Environment and Natural Resources

415352

Pierre, May 12, 19 97

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>1683-3</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



**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



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