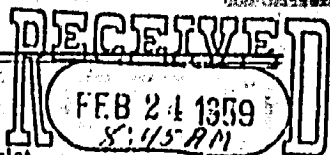


1. Considered April 8, 1959 Appl. No. 113-3A
2. Name of Applicant State Reclamation Development Assoc.
3. Post Office Address Brinkley, South Dakota
4. Amount of water claimed 1.2 cfs.
5. Source of water supply Ground water
6. Water to be used for Irrigation
Acres to be irrigated 85.00
7. Water to be diverted and used in Brinkley County about
0 miles South of Brinkley.
8. Proof of Publication Received ☒
Not Received ☐
9. Application Approved ☒
Subject to ☐
Not approved ☐
Action deferred ☐

10. Remarks:

Actually the amount of water and acreage are granted under Permit # 113-3 but apply only to the Sioux River. This is an application to develop a ground water source in addition to the Sioux River on the same project.

with sub 411159

No. 113-3AWater Division No. 3

(Blanks to be Filled by the Engineer for the W. R. C.)

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant State College Development Association
 Postoffice address Brookings, County Brookings, State South Dakota

Is it a corporation?

SDSU

(a) Name of same

Ag. Eng. Dept

(c) Date and place of incorporation

Brookings 57007

(c) Amount of capital stock

(d) Amount paid in

(e) Names and addresses of directors

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

(a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

Contract and direct labor.

(b) Cash on hand, \$

Adequate to accomplish work

(c) Treasury stock, \$

(d) Bonds to be issued, \$

(e) Other resources, \$

2. Name of diversion work Development Ass'n #23. Amount of water claimed 1.21 cubic feet per second4. Source of water supply ground water and Big Sioux River5. Location of point of diversion see back page - Remarks by Applicant

on _____ bank

County.

6. Annual period or periods during which water is to be used April to October incl.

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? sprinkler(a) Number of acres to be irrigated 85.00 acres.(b) Legal subdivisions to be irrigated E. & N. of the SW. Sec 15, T109N, R50W

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

(c) Statement as to domestic use (giving location, etc.) None

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

(a) Nature of use

Name any of the above uses claimed

(b) Amount of power to be generated

horse power

Amount claimed for engine cooling

(c) Location of plant

(d) Method of developing power

(e) Point where water will be returned to stream

Map No. 438-3

Estimated cost of work:

(a) Head Gates, \$

(c) Fluming \$

(e) Other structures Sprinkler Equipment \$ 4,000

(d) Canal earth, \$

(total of 3 wells)
(b) Pumping plant, \$ 1200

Well Rock, \$ 1700

Total, \$ 2900

Description of diversion works:

Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

3 pumping plants

II. Dimensions of works:

(a) Dam: Height feet; length at bottom feet; length at top

feet; thickness at bottom feet; thickness at top

feet; slope at front water face; slope at back face

material used in construction

(c) Reservoir: Capacity when filled acre feet. Surface area

mark acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET—ACRES	ACRE-Feet CAPACITY

(c) Head gate: Width feet; height feet;

Material

(d) Canal: Total length miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work five years.

11. Time required for complete application of water to the proposed beneficial use five years.

12. Choice of newspaper for publication of notice of intention to appropriate

Brookings Register, Brookings, South Dakota

STATE OF SOUTH DAKOTA

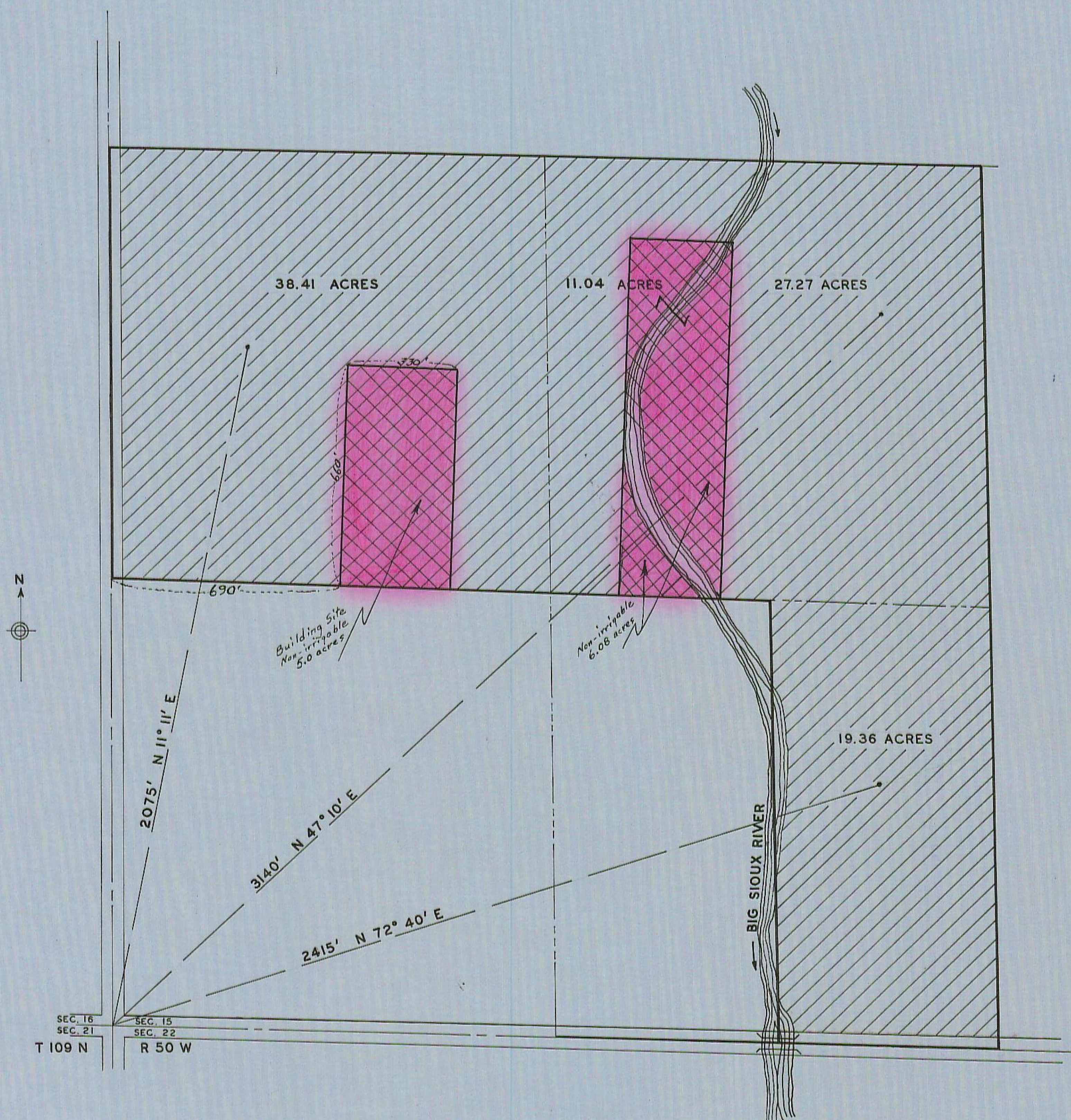
County of Brookings ss.

I, Henrichsen, Secy, State College, Brookings, S. Dak., being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed Henrichsen, Secy

Subscribed and sworn to before me this 18 day of February 1959

Notary Public (or other qualified officer.)



CERTIFIED CORRECT: Martin M. Fogel
 MARTIN M. FOGEL
 EXTENSION IRRIGATION SPECIALIST
 SOUTH DAKOTA STATE COLLEGE
 BROOKINGS, SOUTH DAKOTA

SUBSCRIBED & SWORN TO BEFORE ME
 THIS 14th DAY OF February
Donna Croll
 NOTARY PUBLIC

AREAS BY LEGAL SUBDIVISION

NW 1/4 OF SW 1/4	38.41 ACRES
NE 1/4 OF SW 1/4	11.04 ACRES
SE 1/4 OF SW 1/4	19.36 ACRES
TOTAL	68.81 ACRES

OWNERSHIP BOUNDARIES INCLUDE
 THE N1/2 OF SW1/4 & THE E1/2 OF
 SE1/4 OF SW1/4 ALL IN SECTION 15,
 T109N, R50W, 5th P.M. BROOKINGS CO.

M A P

SHOWING AREA AND DIVERSION POINTS
 FOR PERMIT TO APPROPRIATE WATER

STATE COLLEGE DEVELOPMENT ASSOCIATION
 OWNERS

SCALE 1" = 200'

Map No. 438-3 (Appl. No. 113-3A)

Remarks by State Water Resources Commission:

STATE OF SOUTH DAKOTA
County of Hughes } ss.

Pierre, South Dakota, March 7, 1959

This is to certify that the foregoing application was received by the Commission at 8:45 o'clock
9 m. upon the 24 day of February, 1959

State Water Resources Commission

By:

Geo. Ruimer

Chief Engineer, Executive Officer

Number of permit 113-3A

Date of first receipt of application February 24, 1959

Date of return to applicant for correction, amendments or changes required as follows: March 11, 1959

Date of receipt of corrected application April 8, 1959

Date from which applicant may claim right February 24, 1959

Approved April 8, 1959, Recorded in Book 5 Page 151

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before

October 8, 1961

2nd. The whole of said work is to be completed on or before April 8, 1964

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

April 8, 1968

4th. The water appropriated shall be used for the purpose of irrigation

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed 1.21 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before April 8, 1968; said water to be used during the following described annual period:

April to October inclusive

Witness my hand this 22 day of May, 1959

State Water Resources Commission

By:

Geo. Ruimer

Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

Remarks by the Applicant:

This application is for an amendment to water permit #113-3. The original permit was for pumping from the river. Due to the nature of the research work being conducted, a number of diversion points are desirable.

LOCATION of Point of Diversion

Point of diversion. V original water permit #113-3, map #92-3

Reference point SW corner of Sec 15 - T109N - R50W

Upstream diversion limit 3200 feet N37°39'E,

Downstream diversion limit 2200 feet N53°01'E.

Amended points of diversion from same reference point

Well #1 2075 feet N11°11'E

Well #2 3140 feet N47°10'E

Well #3 2415 feet N72°40'E

Manufacturer's Data on sprinkler head being used:

Rainbird Model No. 30W single nozzle

50 heads being used with $\frac{1}{2}$ " nozzle at average pressure of 35 psi.

<u>Pressure at Nozzle</u>	<u>Discharge in GPM</u>
30	9.30
35	10.5
40	11.4
45	12.1

Well #1

9. (Continued)

III. Well Specifications

(a) Hole and Casing

Size of drill hole or excavation 30" , Depth 38'

Type of casing steel
(wood, concrete, steel, etc.)

Size of casing 18" , Thickness of casing 14 ga.

Length of casing 38' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen standard slot 3/16" x 1"

Size of perforated screen 18" , 18'
(diameter) (length)

Thickness of gravel pack 6" , length of gravel pack 20'

(c) Water Bearing Materials

Distance to water 6' Character of water bearing materials

..... Coarse sand and gravel

Thickness of water bearing material 30'

(d) Pump and Motor

Type of pump Turbine
(centrifugal, propeller, mixed flow, etc.)

Name of pump Western Land Roller , size

Kind of motor Electric
(gasoline, electric, diesel, etc.)

Horsepower 20 , Name of Motor U.S. Motore

(e) Complete well

Capacity 1000 gpm at drawdown of 14' Estimated cost \$500

(f) Owner of land upon which well is located State College Development Association
Name

..... Brookings, South Dakota, H. M. Crothers, Secretary

Address:

(g) Distance to nearest existing wells

On same owner's property 100 rods. On property owned by others rods

Form 2A — Wells (Supplement to Form 2)

Well #2

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 30" , Depth 46'

Type or casing Steel
(wood, concrete, steel, etc.)

Size of casing 18" , Thickness of casing 14 ga.

Length of casing 46' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen Standard slot-steel

Size of perforated screen 18" , 27'
(diameter) (length)

Thickness of gravel pack 6" , length of gravel pack 25'

(c) Water Bearing Materials

Distance to water 7' Character of water bearing materials
..... Coarse sand and gravel.

Thickness of water bearing material 40'

(d) Pump and Motor

Type of pump Turbine
(centrifugal, propeller, mixed flow, etc.)

Name of pump Western Land Roller , size 6"

Kind of motor Propane - Internal Combustion
(gasoline, electric, diesel, etc.)

Horsepower 86 , Name of Motor Chrysler

(e) Complete well

Capacity 2000 gpm at drawdown of 16' Estimated cost \$600.00

(f) Owner of land upon which well is located State College Development Association
Name

H. M. Crothers, Secretary, Brookings, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property 100 rods. On property owned by others rods

Well #3

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 30" , Depth 50'

Type of casing Steel
(wood, concrete, steel, etc.)

Size of casing 18" , Thickness of casing 1/4 ga.

Length of casing 50' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen Standard slot-steel

Size of perforated screen 18" , 18'
(diameter) (length)

Thickness of gravel pack 6" , length of gravel pack 18'

(c) Water Bearing Materials

Distance to water 7' Character of water bearing materials

..... Coarse sand and gravel

Thickness of water bearing material 44'

(d) Pump and Motor

Type of pump Turbine
(centrifugal, propeller, mixed flow, etc.)

Name of pump Western Land Roller , size 4"

Kind of motor Electric
(gasoline, electric, diesel, etc.)

Horsepower 10 , Name of Motor U.S.

(e) Complete well

Capacity 300 at drawdown of 6' Estimated cost \$600

(f) Owner of land upon which well is located State College Development Association,
Name

H. M. Crothers, Secretary, Brookings, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property 80 rods. On property owned by others rods

Repl. record
see note

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well _____ 1/4 _____ 1/4 _____ Section _____ Township _____ Range _____
Well owner S.D.S. Co. Ag. Engrs. ing Dept. Brookings, S.D.
(Name) (Address)
Date well drilling completed 7/26/73 Purpose of well Irrigation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer _____ ft.
<u>0 - 2</u>	<u>top soil</u>	Depth to static water level <u>10</u> ft.
<u>2 - 17</u>	<u>yellow clay</u>	Name of producing aquifer (if known) _____
<u>17 - 30</u>	<u>gravel</u>	Total depth of drill hole <u>46</u> ft.
<u>30 - 35</u>	<u>clay</u>	Depth to bottom of casing <u>46</u> ft.
<u>35 - 46</u>	<u>gravel</u>	
		Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.
		<u>36 ft. 16" O.D. steel casing (.219 wall)</u>
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
		<u>10 ft. 16" O.D. Holo Johnson Irrigator</u>
		If a flowing well, flow of completed well _____ G.P.M.

Attach sheet if more space is needed

Engine Drilling Co. Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump Ward All Pump To Road well HP. 25
Type of pump Electric Capacity of installed pump 500 G.P.M.
Depth of pump placement 30 ft., Date of pump installation 7/26/74

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required. See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Engine Drilling Co. Inc.
Name of Pump Installation Contractor

(First Publication before March 13____, 1959)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., March 7, 1959

Notice is hereby given that the State College Development Association whose postoffice address is College Station, Brookings S. Dak. has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate from three (3) new diversion points 1.21 cubic feet of water per second of time from on ground water through the

Development Ass'n. #2, the point of diversion of which is to be located ~~xxxx~~
at one (1) point in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, one (1) in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ and one (1) point
~~located xxxxxxxx~~ in the E $\frac{1}{2}$ SE $\frac{1}{4}$ of the Sw $\frac{1}{4}$ of ~~xxxxxx~~ all in Section 15
additional sources of water for
Twp. 109 N Range 50 W. Salt water to be used for the purpose of providing/irrigation on the fol-
lowing described land:

E $\frac{1}{2}$ SE $\frac{1}{2}$ SW $\frac{1}{2}$ and N $\frac{1}{2}$ SW $\frac{1}{2}$, Sec. 15, T 102 N, R 50 W

~~SECRET~~ SECRET

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 8th day of April, 1959, at 2:00 P.M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission

By:

~~CONFIDENTIAL~~
Les Wyborny, Water Rights Engineer

cc C.H.J. Mitchell, Publisher
The Brookings Register
Brookings, S.D.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
County Brookings } ss.

Chas. H. J. Mitchell being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the _____

Brookings Register 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 Brookings County of _____

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

March 11, 1959
March 18, 1959
March 25, 1959
April 1, 1959

in each and every issue of the full number thereof, the first publication being made on the 11th day of March 1959 and the last publication on the 1st day of April 1959, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was publisher the printer and publisher of the said newspaper.

Chas. H. J. Mitchell

Subscribed and sworn to before me this 1st day of April A. D. 1959

Chas. H. J. Mitchell

Notary Public Brookings County, S. D.

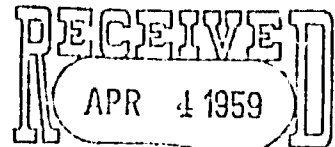
APPROPRIATION OF WATER
Office of State Water Resources
Commission, Pierre, S. Dak.,
March 7, 1959

Notice is hereby given that the State College Development Association whose postoffice address is College Station, Brookings, S. Dak., has made an application in accordance with the provisions of the Water Laws of South Dakota for a permit to appropriate from three (3) new diversion points for beneficial use 1.21 cubic feet of water per second of time from ground water through the Development Ass'n. No 2, the point of diversion of which is to be located at one (1) point in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, one (1) in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ and one (1) point in the E $\frac{1}{2}$ SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ 11 in Section 15 Twp 109N Range 50W. Said water to be used for the purpose of providing additional sources of water for irrigation on the following described land:

E $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ and N $\frac{1}{2}$ SW $\frac{1}{4}$, Sec. 15, T 109 N. R 50 W.
This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 8th day of April, 1959, at 2:00 p.m. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission
By: LES WYBORN
Water Rights Engineer
(March 11, 18, 25, April 1)



STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA



SOUTH DAKOTA STATE UNIVERSITY
Box 2120
Brookings, SD 57007-1496

College of Engineering
Agricultural Engineering Department
(605) 688-5141

24 Jan 83



Genny Young
Water Rights
Department of Water
& Natural Resources
Foss Building
Pierre, South Dakota 57501

Dear Genny:

The Water Management Board data sheets should be sent to the following people to assure a more rapid response to your questionnaire.

Permit No.

113-3 and 113-3A

1344-3

4079-3

Contact Person

Tom Klosterman
Agricultural Engineering Farm Supt.
Department of Agricultural Engineering
Box 2120
South Dakota State University
Brookings, SD 57007

James Waples
Department of Horticulture-Forestry
Box 2207
South Dakota State University
Brookings, SD 57007

Theodore Hauge
Farm Manager
Box 2207
South Dakota State University
Brookings, SD 57007

Sincerely,

Darrell W. DeBoer, Professor
Agricultural Engineering Department

DWD:dh

Permit No. 113-3A

113-3A

BIG SIOUX Water District

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

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

I have this day made a thorough examination of the water use system constructed by STATE COLLEGE DEVELOPMENT ASSOCIATION (SDSU - AG ENGINEERING DEPT.) of BOX 2120, BROOKINGS, SD 57007 holder of Permit No. 113, bearing the priority of FEBRUARY 24, 1959 authorizing the diversion of 1.21 cu. ft. per second of water of GROUNDWATER for IRRIGATION purposes, in BROOKINGS County.

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

A. Works used to divert the water:

TWO WESTERN LAND ROLLER PUMPS WITH A TOTAL OF 750 gpm. CAPACITY

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

3800 ft. OF 6 in. STEEL PIPE

C. Works used to apply water to beneficial use:

1800 ft. OF TOW LINE AND A ONE TOWER 250 ft. VALLEY CENTER PIVOT

The system is in the following condition FAIR. The point of diversion is located FROM THE SW CORNER OF SECTION 15 T109N-R50W; WELL #1 - 2100 ft. NORTH AND 400 ft EAST, WELL #2 - 2050 ft. NORTH AND 2350 ft EAST. The works are capable of diverting and conveying to the place of use 1.67 cu. ft. per second of water which is to be used for IRRIGATION. Water has been put to beneficial use to the maximum extent as follows:

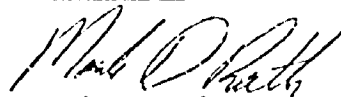
ALL LAND LOCATED IN SECTION 15 T109N-R50W:

NW1/4 SW1/4 - 36 ac. NE1/4 SW1/4 - 33 ac SE1/4 SW1/4 - 16 ac

comprising a total of 85 acres of land and the license should be issued for 1.21 cfs

Applicable permit qualifications have been complied with X Yes No

Exceptions to compliance are: NONE Date 4/14/1992



Mark D. Rath
Natural Resources Engineer II
DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NUMBER 113-3ADATE 4/14/1992

Other permit(s) associated with the project

DIVERSION POINT LEGAL LOCATION: FROM THE SW CORNER OF SECTION 15 T109N-R50W; WELL #1 - 2100 ft. NORTH AND 400 ft. EAST, WELL #2 - 2050 ft. NORTH AND 2350 ft. EAST

WELL INFORMATION: Well Drilling Firm WELL #1 - EMPIRE DRILLING CO., WELL #2 - UNKNOWNNo. of Wells 2 Depth(s) WELL #1 - 46 ft. WELL #2 - 46 ft.WELL #1 WELL LOG AVAILABLE

- | | |
|---|--|
| a) Casing: 1) diameter <u>16</u> inches | b) Screen: 1) type <u>JOHNSON</u> |
| 2) length <u>36</u> feet | 2) length <u>10</u> feet |
| 3) type <u>STEEL</u> | c) Pump 1) make <u>WESTERN LAND ROLLER</u> |
| d) Static Water Level <u>10</u> feet | 2) model <u>6M030</u> |
| e) Motor: | 3) size <u>10</u> inches |
| 1) make <u>US ELECTRICAL</u> | 4) capacity <u>300</u> GPM |
| 2) model No. <u>CFU</u> | 5) turbine pump - No. of stages |
| 3) horsepower rating <u>20</u> hp | 6) operating pressure <u>45</u> PSI |

WELL #2 DRILLER UNKNOWN, WELL LOG NOT AVAILABLE

- | | |
|---|--|
| a) Casing: 1) diameter <u>16</u> inches | b) Screen: 1) type <u>STAINLESS STEEL</u> |
| 2) length <u>36</u> feet | 2) length <u>10</u> feet |
| 3) type <u>STEEL</u> | c) Pump 1) make <u>WESTERN LAND ROLLER</u> |
| d) Static Water Level <u>10</u> feet | 2) model <u>958144</u> |
| e) Motor: | 3) size <u>10</u> inches |
| 1) make <u>GE</u> | 4) capacity <u>450</u> GPM |
| 2) model No. <u>5K6248XH4A</u> | 5) turbine pump - No. of stages |
| 3) horsepower rating <u>50</u> hp | 6) operating pressure <u>45</u> PSI |

DISTRIBUTION LINES OR CANALS:

- | | | |
|----------------------|-------------------------|----------------------------|
| a) type <u>STEEL</u> | b) size <u>6</u> inches | c) length <u>3800</u> feet |
|----------------------|-------------------------|----------------------------|

System Type:

- | | |
|--------------------------------------|-------------------------------------|
| a) Sideline: | b) Towline: |
| 1) length <u> </u> feet | 1) length <u>1800</u> feet |
| 2) diameter of pipe <u> </u> inches | 2) sprinkler spacing <u>15</u> feet |
| 3) sprinkler spacing <u> </u> feet | |

c) Siphons:

- 1) size inches
2) number

e) Center pivot:

- 1) make VALLEY
- 2) overall length 250 feet
- 3) number of towers 1
- 4) distance between towers feet
- 5) end gun Y (Y/H)
- 6) high or low pressure HI
- 7) capacity 200 GPM

d) Gated pipe:

- 1) length feet
- 2) diameter inches
- 3) spacing of gates inches

f) Gun:

- 1) make
- 2) nozzle size inches
- 3) capacity GPM
- 4) hose size inches
- 5) hose length feet

CHEMIGATION EQUIPMENT:

- a) does chemigate N (Y/N)

PERMIT QUALIFICATIONS AND REGULATIONS:

- a) Soil and water permit lands agree with lands being irrigated and lands listed on permit NA (Y/N)
- b) Special qualifications to permit being abided by Y (Y/N)
- c) All structures, wells and lands on map Y (Y/N)
- d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y (Y/N)



113-3A

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

July 2, 1992

113-3A

State College Development Assoc.
SDSU - Ag Engineering Dept.
P.O. Box 2120
Brookings, SD 57007-2120

Dear Sirs:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 113-3A, has been completed. Your final water right document, the Water License, can now be issued.

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

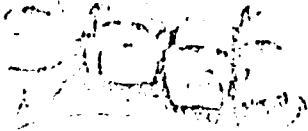
South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

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

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

South Dakota



GREAT FACES. GREAT PLACES.

DEPARTMENT OF WATER & NATURAL RESOURCES
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

113-3A

September 11, 1992

SECOND NOTICE

PERMIT NO: 113-3A

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Ralph Alcock
State College Development Assn.
SDSU - Ag Engineering Dept.
P.O. Box 2120
Brookings, SD 57007-2120

Dear Sirs:

On July 2, 1992, you were notified the final inspection fee of \$50.00 is due before Water License No. 113-3A can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCI, 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

113-3A

State College Development Assn
SDSU-Ag Engineering Dept.
P.O. Box 2120
Brookings, SD 57007-2120

4a. Article Number

P 906 559 927

4b. Service Type

- | | |
|---|---|
| ☐ Registered | ☐ Insured |
| ☒ Certified | ☐ COD |
| ☐ Express Mail | ☐ Return Receipt for Merchandise |

7. Date of Delivery

9-16-92

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

[Signature]

Thank you for using Return Receipt Service.

113-3H

File No. 113-3A

Water Rights Division -DENR
Conversation or File Documentation

NAME OF PERSON OR FILE: Ralph Alcock - SDSU

ADDRESS: COUNTY:

DATE: September 16, 1992

TELEPHONE:

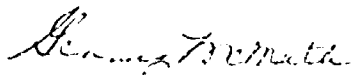
RE: License fee

COMMENTS:

Mr. Alcock called with reference to the notice they received concerning payment of a license fee and also about the licensing process.

I explained to him why permits were licensed and what he was entitled to under the water license. I also told him that they should not have been billed for the inspection and issuance of a water license. Since they are a State Agency, they are exempt from having to pay the fee.

I instructed him to disregard the notice and we would process the license as soon as possible.



Genny McMath
Natural Resources Analyst

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 113-3A

(1) State College Development Association (SDSU - Ag Engineering Dept) of Box 2120, Brookings, SD 57007 made Application No. 113-3A, February 24, 1959 for a water permit to appropriate 1.21 cubic feet of water per second from groundwater, Brookings County, South Dakota for irrigation purposes. Permit No. 113-3A with a priority date of February 24, 1959 was approved April 8, 1959 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before April 8, 1964 and for the application to beneficial use of said water on or before April 8, 1968.

(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 1.21 cubic feet of water per second for beneficial use. The location of the diversion points are: #1 - 2100'N and 400'E of the SW corner; Well #2 - 2050'N and 2350'E of the SW corner; Section 15, T109N, R50W.

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

T109N, R50W Section 15	NW 1/4 SW 1/4	36 Acres
	NE 1/4 SW 1/4	33 Acres
	SE 1/4 SW 1/4	16 Acres
	Total-----	85 Acres

(4) Pursuant to Section 46-5-30.1 State College Development Assoc., (SDSU - Ag Engineering) of Box 2120, Brookings, SD 57007 the holder(s) and/or owner(s) of Water Permit No. 113-3A is issued a license to appropriate water, the right to use 1.21 cubic feet of water per second from groundwater (two wells) with a priority date of February 24, 1959 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 113-3A and subject to South Dakota State Law.

 NOV 23 1992
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources



113-3A

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

NCV 2 3 1992

113-3A

Ralph Alcock
State College Development Assn.
SDSU - Ag Engineering Dept.
P.O. Box 2120
Brookings, SD 57007-2120

Dear Mr. Alcock:

Enclosed is Water License No. 113-3A. This is the final water right document completing your process of obtaining a Water Right.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 113-3A, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Very truly yours,

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

enclosures

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: _____ 1/4 _____ 1/4 _____, Section _____ Township _____ Range _____
Well owner S.D.S. Co. Engineering Dept. "Brookings, SD"
(Name) (Address)
Date well drilling completed 7/26/73 Purpose of well irrigation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer _____ ft.
0 - 2	top soil	_____ ft.
2 - 17	yellow clay	Depth to static water level _____ ft.
17 - 30	gravel	Name of producing aquifer (if known) _____
30 - 35	clay	Total depth of drill hole _____ ft.
35 - 46	gravel	Depth to bottom of casing _____ ft.
		Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.
		36 ft. 16" O.D. Steel Casing (C-219)
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
		10 ft. 16" O.D. Galv. Johnson Strainer
		If a flowing well, flow of completed well _____ G.P.M.

Attach sheet if more space is needed

Empire Drilling Co. Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

PUMP INSTALLATION
 Company name and size of pump Mason & Co. Pump Co. 25 HP
 Type of pump Hand pump Capacity of installed pump 500 G.P.M.
 Depth of pump placement 30 ft., Date of pump installation 7/2/74

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Empire En. Drilling Co. Inc.
Name of Pump Installation Contractor



113-3A
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 14, 2000

NOTICE

TO: TOM KLOSTERMAN, MGR, FARM DEPARTMENT, BOX 2207, BROOKINGS, SD 57007

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 1999 Irrigation Questionnaire(s)

Our records indicate that the 1999 Irrigation Questionnaire has not been submitted for Permit No(s) 113-3, 113-3A & 4079-3. The request for the Questionnaire was dated October 7, 1999. The Water Management Board has directed that owners of water permits who have not submitted the 1999 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at 1:30 pm, March 1, 2000, in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 113-3, 113-3A & 4079-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is(are) received in this office on/or before February 28, 2000, your name will be deleted from the Board agenda. If you have any questions or need assistance with completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

Note: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

113-3A

SENDER, COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TOM KLOSTERMAN, MGR
FARM DEPARTMENT
BOX 2207
BROOKINGS SD 57007

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) 3. Date of Delivery

John Peterson JAN 19 2000

C. Signature

X *[Signature]*

☒ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number (Copy from service label)

22271670364



113-3A
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 20, 2000

113-3
113-3A
4079-3

Kevin Kephart
SDSU - Farm Department
PO Box 2207
Brookings, SD 57007

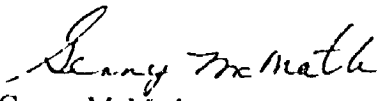
Dear Mr. Kephart:

I am writing to acknowledge receipt of your 1999 irrigation questionnaires. I completed forms for you based on our January 19th telephone conversation.

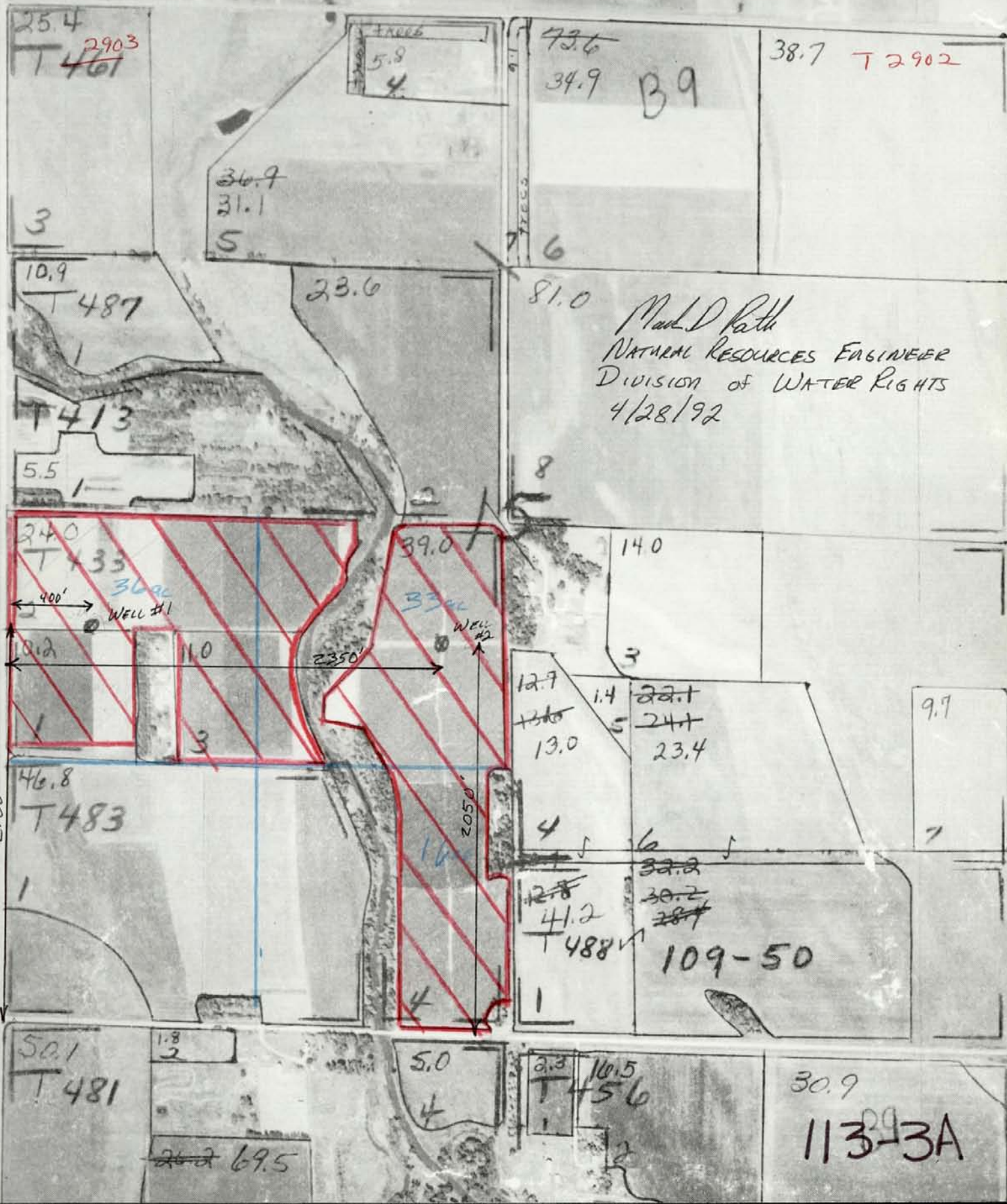
You may disregard the January 14, 2000, "Notice" concerning reporting requirements for Water Permit Nos. 113-3, 113-3A and 4079-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Thank you for calling and if you have any questions, please contact me.

Sincerely,


Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

NOT TO SCALE



Dewell, Amanda

From: Dewell, Amanda
Sent: Wednesday, April 10, 2024 4:49 PM
To: patti@cabanabanners.com
Subject: Water Rights

Patti –

Thank you again for taking a moment this morning in regard to your property, obtained from South Dakota State University.

[Water Right No. 113-3](#) authorizes the appropriation of 1.2 cfs from the Big Sioux River for the irrigation of 96.08 acres located in the SW ¼ Section 15-T109N-R50W, Brookings County.

[Water Right No. 113-3A](#) authorizes the appropriation of 1.21 cfs from 2 wells (completed into the Big Sioux: Brookings Aquifer) for irrigation of 85 acres located in the SW ¼ Section 15-T109N-R50W, Brookings County.

The Lat/Long for each well was recorded in 1992 when the system was inspected for licensing. I've inserted into this email a map with blue pins at those locations, however they could be off by 100+ feet in any direction as GPS wasn't great in 1992.

When we spoke on the phone, you said that Lacey Well Drilling had constructed 2 wells for you in 2000. I am not able to find any well completion reports in Section 15, other than those done for SDSU. I will attempt to track those down thru Lacey this week. If the well driller provided those to you at the time the wells were drilled, I would love a copy. We need to know the depth of the wells to identify the aquifer they are completed into.

As we discussed this morning, it is possible that the water right SDSU had for irrigation from the wells could be transferred to you, covering your irrigation project. However, we would need to confirm that the water is being appropriated from the same source, your wells do not produce more than what is authorized (1.21 cfs/545 gpm), and we would want one of our sessional permit inspectors to come view your irrigation project and make sure it aligns with what is covered under Water Right No. 113-3A.

You had also said on the phone that you do not appropriate any water from the Big Sioux River for irrigation. With that, we will schedule Water Right No. 113-3 for cancellation before the Water Management Board. A "Notice of Cancellation" will be sent to you, the property owner, before any action is taken. No action would be required on your part and cancellation of that water right would have no bearing on your ability to obtain water rights in the future.

Thank you again,



Amanda Dewell

DANR - Water Rights Program

Permitting Administrator

Main Phone: 605 773-3352

Website: danr.sd.gov



Dewell, Amanda

From: Dewell, Amanda
Sent: Tuesday, April 9, 2024 8:14 AM
To: Trooien, Todd todd.trooien@sdstate.edu
Subject: SDSU Water Rights

Good morning,

My name is Amanda, and I am the Permitting Administrator of the South Dakota Water Rights Program. I am currently in the process of "spring cleaning" so to speak for water rights and I've come across a few that SDSU had acquired through the State College Development Association. Eric Gronlund thought you might be able to help us discern the appropriate point of contact for further questions.

Water Right No. 113-3 authorizes the appropriation of 1.2 cfs from the Big Sioux River for the irrigation of 96.08 acres located in the SW ¼ Section 15-T109N-R50W, Brookings County.

Water Right No. 113-3A authorizes the appropriation of 1.21 cfs from 1 well (completed into the Big Sioux: Brookings Aquifer) for irrigation of 85 acres located in the SW ¼ Section 15-T109N-R50W, Brookings County.

Each of these water rights have a qualification that requires an annual irrigation questionnaire be submit to report water use. These questionnaires were being mailed to the SDSU Farm Department from 1999-2001 and then to Randall & Patti Nash until the mailing ceased in 2007.

The questions I'm trying to find answers for are:

Why did the mailing of irrigation questionnaires stop in 2007? There are no files or notes in the records.

Is irrigation still taking place? SD Water Laws allow for a 3-year period of non-use before water rights are subject to cancellation.

Who is the operator for the irrigation project?

I appreciate any insight you might have.

Amanda Dewell

DANR - Water Rights Program

Main Phone: 605 773-3352

Website: danr.sd.gov

