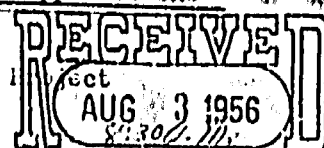
STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTAWater Division No. 3 Big Sioux River District
(Blanks to be filled by the Engineer for the W. R. C.)STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT

With Published and recorded "Notice to the Public" to give priority as of 1950 copy attached

To Appropriate Water within the State of South Dakota

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

1. Name of applicant Edward H. Lacey
 Postoffice address Trent, County Moodu, State S. Dak.

I. If a corporation No

- (a) Name of same _____
 (b) Date and place of incorporation _____
 (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)

any or all methods as to past and future construction
plenty for(b) Cash on hand, \$ future needs (c) Treasury stock, \$ none(d) Bonds to be issued, \$ none contemplated (e) Other resources, \$ this and other lands

2. Name of diversion work Lacey Gravel Pit Project
From gravel pit and river projects
 3. Amount of water claimed Three or more wells approximately 20 ft. depth below normal river water
 4. Source of water supply level source described in Lacey Big Sioux River Project
 5. Location of point of diversion wells in old gravel pit on my land near to and pumped from Point A
or other pump location on my river bank within 300 ft. of Point A
left or Moodu as shown on the map
on north bank of river County.
 Whenever advisable for good of crop or for storage during
 6. Annual period or periods during which water is to be used ample river flow period for later summer crop,
 7. To be used for: domestic, or stock watering use.
irrigation using sprinkler system generally or combination of pumping and gravity flooding
 I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?

(a) Number of acres to be irrigated 326.27 acres.(b) Legal subdivisions to be irrigated Sec. 10E, R. 4E and Sec. 18 Twp. 10E, R. 4E
(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.) Domestic use at farmstead buildings
on Sec. 18 or hereafter placed on Sec. 13II. 3. terring, mining, milling, power, fish culture, fire protection and public recreation:(a) of use Stock watering, crop processing or fire protection
Name any of the above uses claimed(b) Amount of power to be generated none horse power.Amount claimed for engine cooling minimal for the motor running engine(c) Location of plant Point A shown on the map or other point on the
bank of Lacey land within 300 ft. of Point A(d) Method of developing power engine driven pump(e) Point where water will be returned to stream will be absorbed by ground that is irriga

See Lacey Big Sioux River Application for other data

Map No 167-3

8. Estimated cost of work: Same as used on the Sioux River Project

(a) Head Gates, \$ none (b) Pumping plant, \$
(c) Fluming, \$ (d) Canal-earth, \$ Rock, \$
(e) Other structures \$ Total, \$

9. Description of diversion works:

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

Movable pumping plant and header pipe removed each fall and flood period.

II. Dimensions of works:

(a) Dam: Height none 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

(b) Reservoir: Capacity when filled acre feet. Surface area at highwater mark acres.

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

In making this application for a water right in compliance with existing statutes and the practice of the Water Resources Commission of the State of South Dakota, the undersigned does not waive any legal rights to subsurface or underground water or to the water in a deep hole in the river bed, regardless of the navigability of the stream, which accrued to the Patentee who secured the land from the U. S. Government and his successors in interest including the undersigned.

(c)* Head gate: Width none feet; height feet; Material

(d) Canal: Total length none miles.

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

(Give dimensions where reductions in size are made.)

10. Time required for completion of work 3 years.

11. Time required for complete application of water to the proposed beneficial use 3 or more years.

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

Flanndress Paper Moody Co. Times

STATE OF SOUTH DAKOTA

County of Minnehaha } ss.

I, Edward H. Lacey

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

Edward H. Lacey

Subscribed and sworn to before me this 2

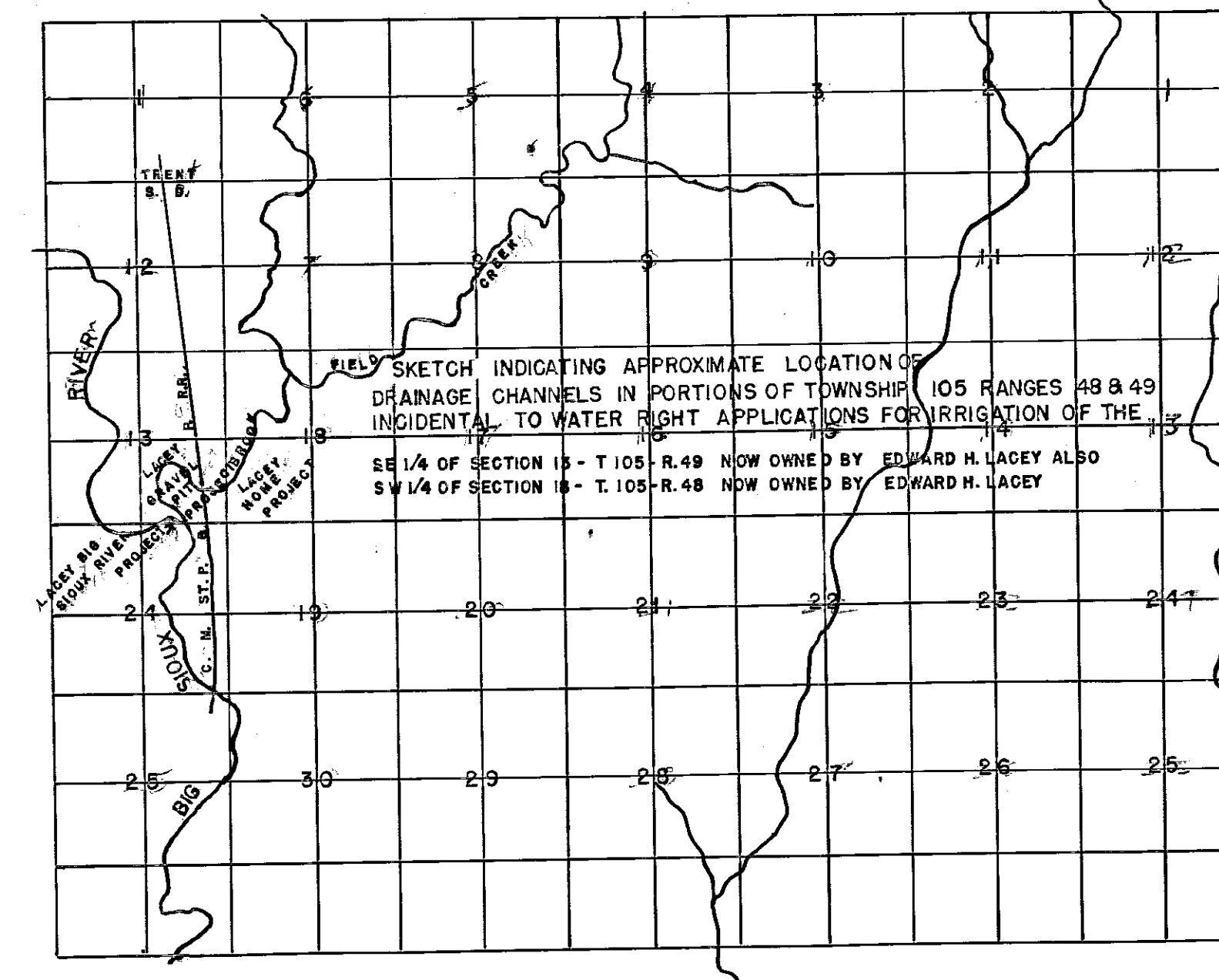
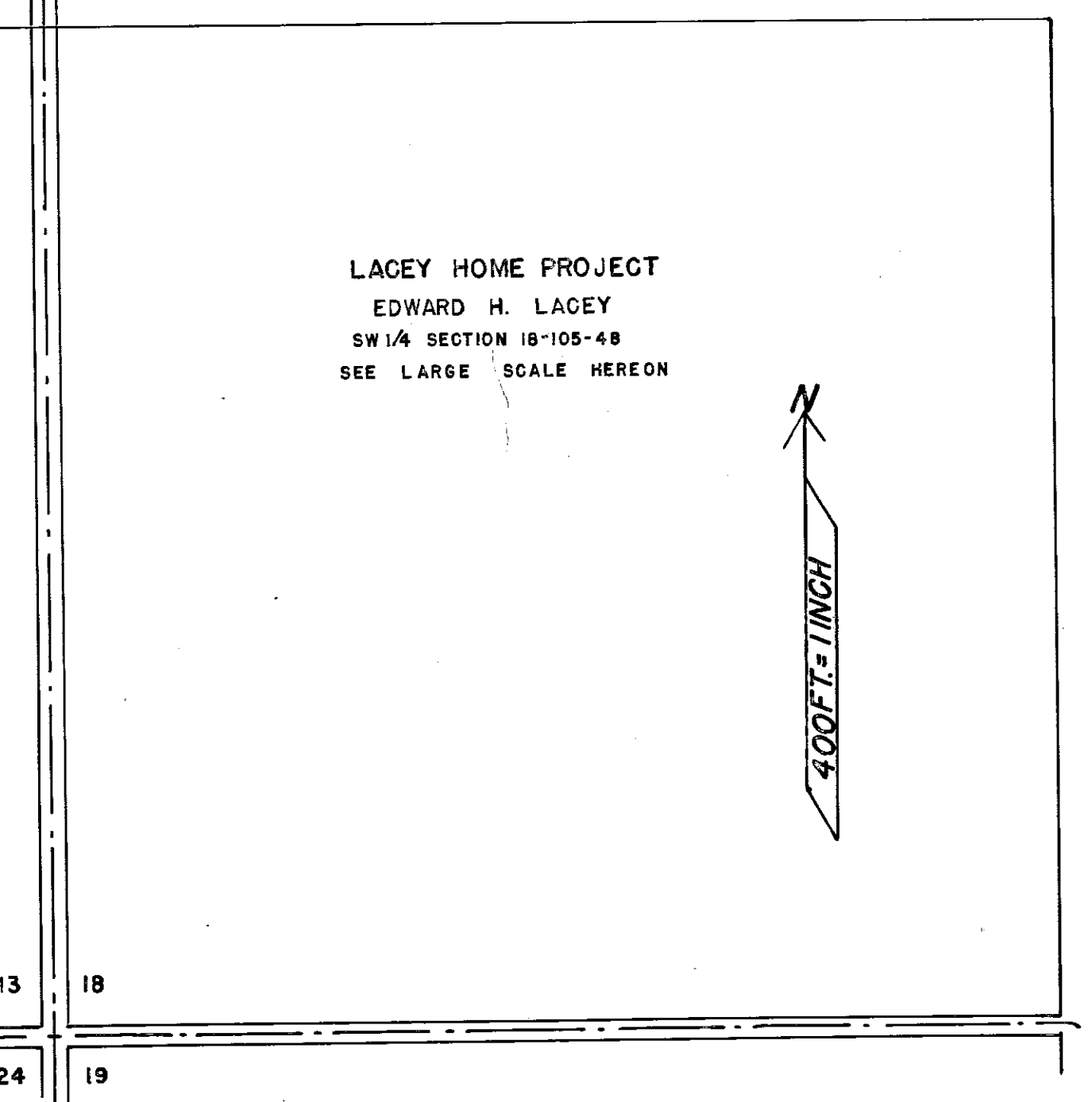
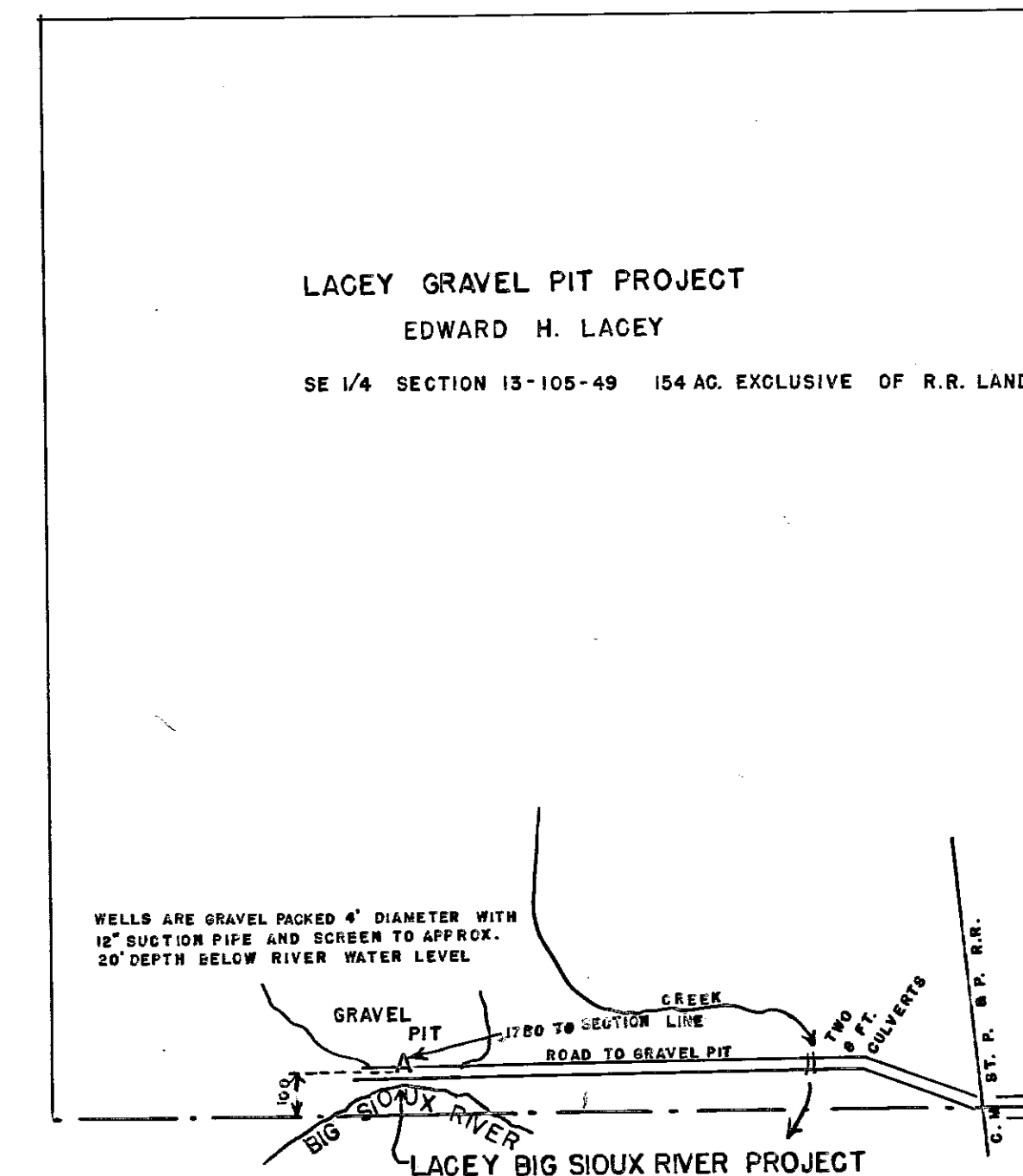
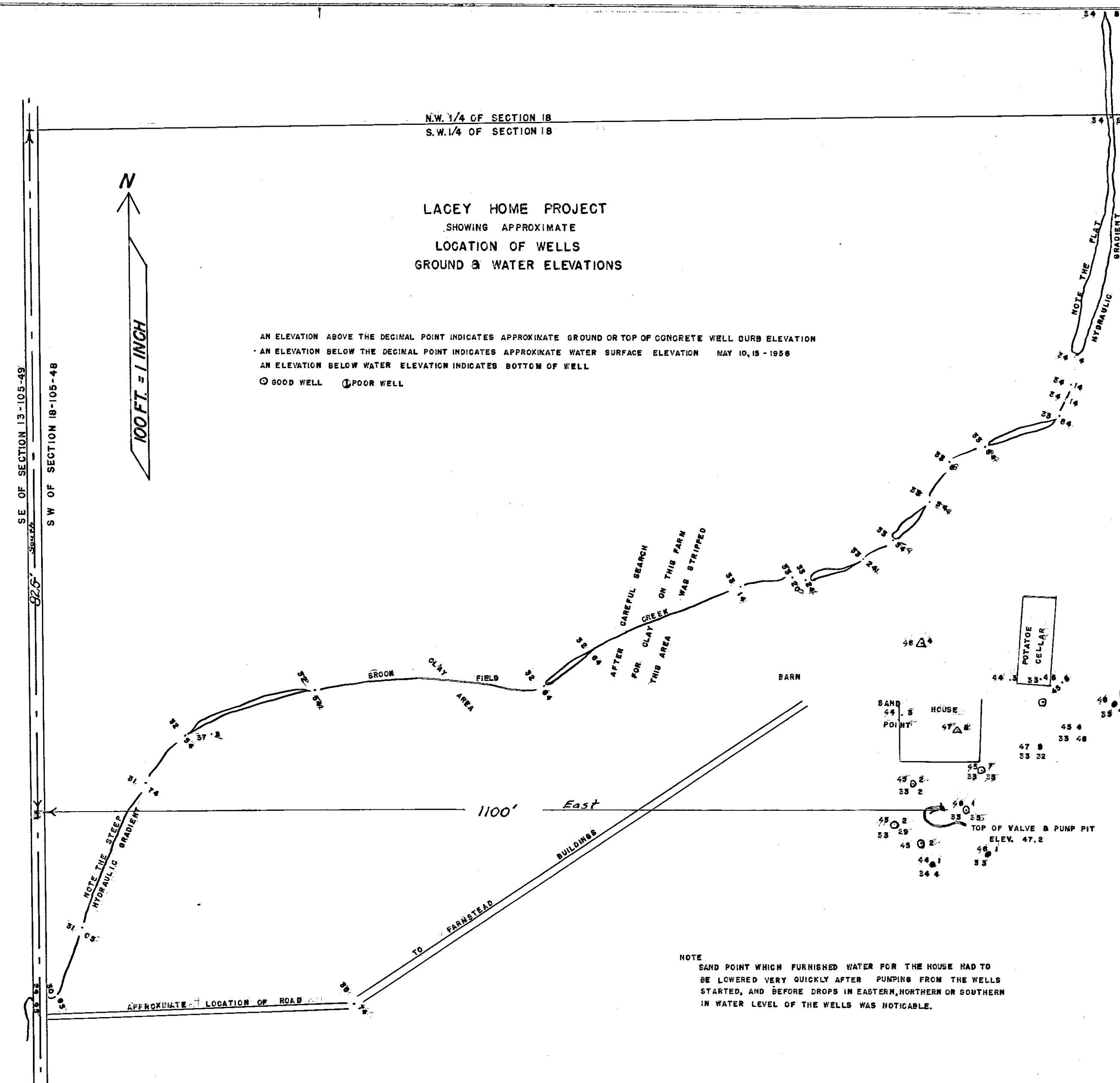
day of

July

1954

Edwin Farber
Notary Public (or other qualified officer.)

*Each diversion must have a headgate or measuring device.



I, Edward K. Mather, a duly licensed Land Surveyor, in and for the State of South Dakota, do hereby certify that the accompanying map shows the land to be watered from one or more sources of water supply by pumping and sprinklers under the LACEY WATER PERMITS or Water Rights.

In Witness Whereof I have hereunto set my hand and seal this 31st. day of May, 1956
Edward K. Mather
 Licensed Land Surveyor

State of South Dakota)
 County of Moody) ss

On this 31st. day of May, 1956, before me, Elsie Hanson, the undersigned officer, personally appeared Edward K. Mather, known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In Witness Whereof I have hereunto set my hand and official seal. *Elsie Hanson*
 My Commission Expires: June 23, 1959 Notary Public, South Dakota

NO. 40 RAINBIRD NOZZLES					
		3/16 X 1/8	7/32 X 5/16	9/32 X 7/32	
PRESSURE	DIAMETER	DISCHARGE	PRESSURE	DIAMETER	DISCHARGE
25	8.5	1.12	65	11.7	16.6
30	9.1	1.25	75	12.8	19.4
35	9.6	1.35	85	13.8	21.9
40	10.1	1.45	95	14.8	24.4
45	10.6	1.55	105	15.8	26.9
50	11.1	1.65	115	16.8	29.4
55	11.6	1.75	125	17.8	31.9
60	12.1	1.85	135	18.8	34.4

LACEY'S IRRIGATION PROJECTS

BIG SIOUX RIVER PROJECT
 GRAVEL PIT PROJECT
 HOME PROJECT

Map No. 167-3
 (App'l's No. 211-3
 212-3
 213-3)

Remarks by State Water Resources Commission:

"Vested Right" Claimed. At no time may water be pumped from either, or a combination of diversion points, under Vested Right Permits No. 211-3, 212-3 and 213-3, at a rate exceeding 4.65 cubic feet per second.

STATE OF SOUTH DAKOTA

County of Hughes

ss.

Pierre, South Dakota, July 13, 1956

This is to certify that the foregoing application was received by the Commission at 12:15 o'clock a.m. upon the 14 day of June, 1956

State Water Resources Commission

By:

John R. Rimes
Chief Engineer, Executive Officer

Number of permit 212-3

Date of first receipt of application June 14, 1956

Date of return to applicant for correction, amendments or changes required as follows: July 13, 1956

Date of receipt of corrected application August 3, 1956

Date from which applicant may claim right 1948, 1956

Approved September 4, 1956, Recorded in Book 3 Page 114

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 was to be completed on or before in 1948

2nd. The whole of said work was to be completed on or before in 1948, 1956

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is September 4, 1958

4th. The water appropriated shall be used for the purpose of Irrigation and Business

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 4.65 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 September 4, 1958, said water to be used during the following described annual period:

Continuous

Witness my hand this 4 day of September, 1956

State Water Resources Commission

By:

John R. Rimes
Chief Engineer, Executive Officer

Certificate of Construction Issued September 4, 1956

Water Right Issued September 4, 1956

211-3
212-3
213-3

Point of Divergence:

82.51 South and 1100 feet east of the intersection of T. 105N, R. 49W,
A point in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T-105N, R-49W, a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 13, T-105N, R-49W, and a point 1780 feet west and 100 feet north of the SE Cor. of Sec. 13, T 105N, R 49W, and intermediate points.

Source of Water:

Big Sioux River and adjacent ground water located on the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T 105N, R 49W, and the SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 13, T 105N, R 49W.

Read and change authorized:

Date Aug. 3-1956

Edmund St. Mathis
Signature

Form 2A — Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications

(a) Hole and casing

4 ft. diameter with
Size of drill hole or excavation gravel packing Depth 24 ft. ±
Type of casing concrete or steel for surface casing, wood or steel below
(wood, concrete, steel, etc.)
Size of casing 36 top 12" below, Thickness of casing
12 to 20
Length of casing ft. top. If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen perforated casing or spaced wood strips
Size of perforated screen 12" 3'
(diameter) (length)
Thickness of gravel pack 12" , length of gravel pack 3 ft. to 10 ft.

(c) Water Bearing Materials

Distance to water 10 ft. ± Character of water bearing materials gravel and sand
.....
.....
.....
Thickness of water bearing material 2 ft. to 20 ft.

(d) Pump and Motor

Type of pump centrifugal
(centrifugal, propeller, mixed flow, etc.)
Name of pump Hale Fire Pump Co. FM & Co., size
Kind of motor Gasoline
(gasoline, electric, diesel, etc.)
Horsepower 90-115 , Name of Motor Chrysler, Waukesha, FM & Co.

(e) Complete well

Capacity at drawdown of unknown Estimated cost

(f) Owner of land upon which well is located Edward H. Jacey
Name
Trent, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property 6 rods. On property owned by others rods
none within a mile or more known of

Three or more wells if hereafter needed in Lacey gravel pit approximately 130 N of Sec. line are 100 ft. apart with WL in each approximately 0.15 above WL in Big Sioux River approximately 50 S of the well line.

E well is approximately 1870 W of corner to Sec. 18 & 19 Twp 105 N, R 48 W and Sec. 13 & 24 Twp. 105 N, R 49 W.

A convenience E to W trail is generally 2 to 3 Rds north of the Sec. line between Sec. 13/24 along which a movable header is laid from the pumping station between the river and the wells is installed each spring at a point approximately 2000 ft. west of the corner to sections $\frac{13}{24} | \frac{18}{19}$ and on the north bank of the river.

The header is laid thru a culvert built by Mr. Lacey under the road between Sec. 13/18 approximately 40 ft. N of the S. corner of Sec. 18 thence the header can be extended along the west or south lines of Sec. 18 or the N & W lines of Sec. 19. Laterals can be extended northward from the header near the south side of the SE $\frac{1}{4}$ of Sec. 13.

The gravel pit is of immense and unknown area. It can furnish water when river is low or when flow has stopped. But, when there is good river flow, there are other possible gravel pits that could be developed by others, therefore, we feel justified in asking for priority based upon "vested rights" and prior use of the deep hole in the river bed from which water has heretofore been pumped.

STATE OF SOUTH DAKOTA

WATER LICENSE No. 212-3

WHEREAS, On the 14 day of June A. D. 1956
Edward H. Levey

of Trent County of Moody and State of
South Dakota duly made application (No. 212-3) to us for a permit to use 4.65
cubic feet per second of the waters of Big Sioux River and adjacent ground water
County of Moody, State of South Dakota, for irrigation and business
purposes; and

WHEREAS, On the 4 day of September A. D. 1956
Permit No. 212-2 was issued to said applicant for the diversion of said water, and recognizing
completion of the works of diversion therein described on or before the 1-1-1948 ~~xxxx~~
providing
and for the application to beneficial use of said
water on or before the 4 day of September A. D. 1958
and,

WHEREAS, On the 3 day of August A. D. 1956
the holder of said permit duly made proof of the completion of adequate works for the diversion of 4.65
cubic feet per second of said waters, as evidenced by our Certificate No. 212-3
dated September 4, 1956 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 4.65 cubic feet per second of water, with date of
priority of 1948 and,

WHEREAS, On the 3 day of September A. D. 1958
proof was duly made of the application to beneficial use of 4.65 cubic feet per second of said water;
on 326.27 acres located in the SE¹, Sec. 13, T05N, R49W and SW¹,
Sec. 15, T105N, R48W.

NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota,
We hereby grant and confirm to Edward H. Lacey
of Trans, South Dakota the holder and owner of said permit No. 212-3
a water right, dating from 1948 to the use of 4.65
cubic feet per second of the waters of Sioux River and adjacent ground water
in the County of Moody and State of South Dakota, or so much thereof as may be
necessray for the purposes hereinbelow mentioned, to be diverted ~~XX~~ between a point 825 feet South and
1100 feet East of the West 1/4 Cor., Sec. 18, T105N, R.48W, and a point 1780 ft.
West and 100 feet North of the SE Cor., of Sec. 13, T 105N, R 49W
and conducted to and upon the SE 1/4, Sec. 13, T 105N, R 49W and the SW 1/4, Sec. 18, T105N, R 48W
for the purpose of irrigation and business use

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the State, and subject, also to the local or community customs, rules and regulations which have been or may be adopted from time to time by a majority of the users from a common source of supply and or lateral from which such water may be taken, when such rules and regulations have for their object the rational use of such water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 3rd day of October A. D. Nineteen
Hundred and fifty-eight.

State Water Resources Commission

By:

J. W. GRIMES, Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Am't _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

in Book _____ of _____ Page _____

Permit No. 212-3Water Division No. 3-Big Sioux R. Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That

Edward H. Lacey

of Trent, County of Moody, and State of South Dakota, the holder of Permit No. 212-3, issued upon Application No. 212-3, bearing date of priority of 1948, authorizing the diversion of 4.65 cu. ft. per second of the waters of Big Sioux River and adjacent ground water at a point 325 feet south County line east of the west 1/4 Cor. of Sec. 13, T 105N, R 48W and a point 1780 feet east and 100 feet north of the SE Cor. of Sec. 13, T 105N, R 49W and intermediate points, for irrigation and business

purposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 4.65 cu. ft.

per second of water; and that the lands proposed to be irrigated by the use of said water are described as follows, to-wit: SE 1/4, Sec. 13, T 105N, R 48W and SW 1/4, Sec. 13, T 105N, R 48W - -

326.27 acres

Witness my hand this 14th day of September A. D. 1956

State Water Resources Commission

By: J. W. Holmes, Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA }
COUNTY OF MINNEHAHA } ss

On this, the 21st day of January, 1950, before me, Chas. Lacey, the undersigned officer, personally appeared Ed H. Lacey, known to me or satisfactorily proven to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

In Witness Whereof, I have hereunto set my hand and official seal.

{NOTARIAL SEAL }

Chas. Lacey
Notary Public, South Dakota
My Commission expires June 27, 1953.

STATE OF SOUTH DAKOTA }
COUNTY OF MOODY } ss.

Filed for record this 11th day of February A. D., 1950, at 3:45 o'clock P. M. and recorded in Book 20 of Misc. on page 265.

{ REGISTER SEAL }

Laura I. Halver
Register of Deeds

By _____ Deputy.

STATE OF SOUTH DAKOTA }
COUNTY OF MOODY }
I, _____, Register of Deeds,
do hereby certify that the foregoing
instrument was duly recorded in Book 20 of Misc. on page 265.

Laura I. Halver
Register of Deeds

CERTIFICATE OF LOCATION OF PUMPING STATION
FOR THE DIVERSION, APPROPRIATION AND USE OF WATER.

TO THE REGISTER OF DEEDS OF MOODY COUNTY, SOUTH DAKOTA
AND TO WHOM THIS NOTICE MAY COME:-

TAKE NOTICE :-

This is to certify that Ed H. Lacey
of Sioux Falls, South Dakota
is at this date the record owner of the following described land
in Moody County, South Dakota : to-wit The Southeast (SE)
quarter (¼) of Section Thirteen (13), Township One Hundred Five,
(105) N, Range Forty-Nine (49) W, less railroad, and the fractional
Southwest (SW) Quarter (¼) of Section Eighteen (18), Township One
Hundred Five (105) N, Range Forty-eight (48), West of the 5th P.M.

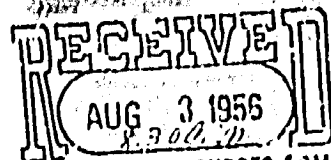
That the above described land is agricultural land
bordering upon the Big Sioux River. That said owner desires to
divert, appropriate and use the waters of said river for the
following purposes, to-wit, for domestic use and to irrigate any
and all crops grown upon said land during the growing season of
each year by means of an overhead system of pipes carrying the
water pumped from said river at the rate of 1600 gallons per
minute. That said pump and irrigation system will be located
upon the above described land and adjacent to the bank of said
river, at such point or points as circumstances and necessity
may require.

Dated January 21, 1957.

Ed H. Lacey
OWNER.

Location No. 212-3...

Water Division No. 3 Big Sioux River Water District

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Proof of Application of Water to Beneficial Use

PETITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. Edward H. Lacey, owner and operator, Trent, South Dakota

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business (if a foreign corporation, give name and postoffice of statutory agent,) your position with reference to same, and your authority for appearing in its behalf.

Ans.

Ques. 3. State date of posting and date of recording notice of appropriation.

Ans. Posted January 21, 1950, Recorded February 11, 1950

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. Gravel Pit, Point "A" between Big Sioux River and Gravel Pit
project (see Map).

Ques. 5. Describe your works of diversion giving length and height of each dam and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use, and date of completion of same.

Ans. Pump and combination gravity and sprinkler distribution. Total pumping

capacity is 2100 gallons per minute. All Sprinkler heads, sprinkler line,
and main line, ordered and major portion is delivered but sprinkler line
will not be completely delivered until spring.

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have ACTUALLY been irrigated with said water.)

Ans. Irrigation of the SW 1/4, Sec 18, T. 105N., R. 48W., and the SE 1/4, Sec 13,

T. 105N., R. 49W. - 326.27 Acres (gov't measurement)

Ques. 7. If for other than irrigation purpose, state how applied, amount of power generated, etc.

Ans. Domestic use, fire protection and possible farm product processing on
above described lands.

Ques. 8. What is the minimum amount of water required for the use specified above?

Ans. 1500 gallons per minute

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans.

Ques. 10. State when, how, in what amount and to what extent, the water diverted under above mentioned permit has been used.

Ans. Project was begun in 1948. Maximum water use of 1500 gallons per minute attained by January 21, 1950 on afore mentioned lands.

(Sign) Edward H. Lacey

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Sanford, County of Minnehaha

State of South Dakota, on this _____ day of _____ A. D. 19____

Witnesses, Edwin J. Fackler
instantly public

I, the undersigned, do hereby certify that I am a duly qualified elector residing in the immediate vicinity of the diversion works designated in the foregoing testimony, that I have no interest in the works, water or land above described, that I have read the foregoing testimony and that I know of my own personal knowledge that the matters therein stated are true.

George S. Sykes Jr.
Leonard J. Branson

Location No. _____	PROOF OF APPLICATION OF WATER TO BENEFICIAL USE	PETITION OF HOLDER	Amount of Water _____ c. f. s.	Source _____	County _____	Purpose _____	Place of Use _____	Date of recording _____	Received and filed _____
--------------------	--	--------------------	--------------------------------	--------------	--------------	---------------	--------------------	-------------------------	--------------------------

211-3
✓ 212-3
213-3

September 6, 1956

Mr. Edward K. Mather
Dakota Engineering Company
Mitchell, South Dakota

Dear Mr. Mather:

Enclosed herewith are Mr. Edward H. Lacey's Vested Right permits and Certificates of Completion of Works for applications, Nos. 211-3, 212-3, and 213-3. You will note that we showed the works as completed. By this we meant the completion of his pump installations, walls, and the major portion of the mainline pipe. He will have two years in which to purchase the balance of his sprinkler line of which you spoke during your call at our office. This time is allowed and considered under the time allowed to furnish Proof of Beneficial Use of Water.

You will also note that we have changed the tie for the sand point wells to 825 feet south and 1100 feet east, instead of 1650 feet south and 2200 feet east. The latter description would have put the location in the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T 105N, R 48W, instead of the SW $\frac{1}{4}$ SW $\frac{1}{4}$, as shown on the change that you authorized on August 3, 1956. The scale, as shown on your map (1" = 100') and the location as shown on our index maps, seems to verify our assumption that the point of diversion is less than $\frac{1}{2}$ mile south and less than $\frac{1}{2}$ mile east of the West $\frac{1}{2}$ Cor., Sec. 18, T 105N, R 48W. If our assumption and changes are correct, please confirm.

Also enclosed are Receipts, No. 1-196, No. 1-197, and No. 1-198 in the total amount of \$9.15 for recording and indexing fees which you have paid for Mr. Lacey.

Sincerely,

J. E. HILB
Chief Engineer

JEH:m

cc: 2

cc: Mr. Edward H. Lacey, Trust, S. Dak.

Permit No. 212Water Division No. 3Big Sioux Water District

Certificate of Examination of Works

Report of Examining Engineer

RECEIVED
SEP 15 1958STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

To the State Water Resources Commission, Pierre, South Dakota:

Dear Sirs: I hereby certify that in accordance with your letter of authorization dated September 3, 1958, I have this day made a thorough examination of the diversion works constructed by Mr.

Edward H. Lacey, of Trent, South Dakota

Moody County, South Dakota, holder of Permit No. 211-3, 212-3, 213-3, issued upon Application No. 211-3, 212-3, 213-3 bearing date of priority of 12/48, authorizing the

diversion of 4.65 cu. ft. per second of the waters of around water in Big Sioux River for domestic use, fire protection, possible farm product processing on lands specified herein.

purposes. I have to report on the condition of the same as follows:

The diversion works comprise: See attached description

and the system is in the following condition: Good condition for very effective use whenever and wherever irrigation or other specified use is needed.

The point of diversion is located at points designated in the application 211-3, 212-3 and 213-3

The works are capable of diverting and conveying to the place of use 4.65 cu. ft. per second of water, which is to be used for domestic use, fire protection and crop processing

The legal sub-divisions to be irrigated are: SE 1/4 Sec. 18, T. 105 N., R. 48 W. and the SE Sec. 13, T. 105 N., R. 4 W. including 326.27 acres according to Government Land Office Official Survey.

comprising a total of 326.27 acres of land.
The domestic use intended comprises water for man or beast as desired also for fire protection

The utilization for power, mining, or other beneficial uses comprises: irrigation and processing of potatoes or other vegetables or farm products for market.

Witness my hand, this 6th day of September, A. D. 1958.

-SEAL-

Edward H. Lacey
Examining Engineer.

EQUIPMENT NOW ON HAND INCLUDES UNITS TO BEST SERVE THE CROP CHARACTER AND LOCATION WITH WATER APPLICATION LIMITED TO LEGAL LIMITATION OF THE WATER RIGHT

Diversion Works for Permits 211-3, 212-3 and 213-3 includes point 825 ft. south and 110 ft. east at the west $\frac{1}{4}$ corner, Section 18, T. 105, R. 48 W., also point 1780 ft. west and 100 ft. north of the SE Corner of Section 13, T. 105, R. 49. Point "A" between Big Sioux River and Gravel Pit, as shown on project map, includes wells pumped from common point as shown on the project map and located on the Lacey owned River frontage, or in the gravel pit.

540 ft.	8"	Aluminum tubing and couplings
300 ft.	7"	" " " "
5730 ft.	6"	" " " "
900 ft.	5"	" " " "
3340 ft.	4"	" " " "
10270 ft.		

259 No. Rainbird Sprinkler heads with nozzle connections and

175	Rainbird	$\frac{13}{43}$	nozzle outlet combinations to discharge 11.2 gpm under 35 psi pressure
175	"	$\frac{5}{32}$	nozzle outlet combinations to discharge 11.2 gpm under 35 psi pressure
84	"	$\frac{3}{16}$	nozzle outlet combinations to discharge 8.32 gpm under 35 psi pressure
84	"	$\frac{1}{8}$	nozzle outlet combinations to discharge 8.32 gpm under 35 psi pressure

- 1 Rainbird Model 100 B Sprinkler with 1" x 7/16" X 3/16" nozzle @ 100 psi, 350 GPM discharge
- 1 Waukesha 4 Cylinder Model HS 25 S Serial No. 34668 Power Unit
- 1 Caterpillar Diesel 3 Cylinder 6" x 8" Model 80315 Power Unit
- 1 Crysler Unit 6 Cylinder with Hale Pump having $4\frac{1}{2}$ " intake x 2- $2\frac{1}{2}$ " outlets, Engine No. 104-6421
- 1 Crysler Unit 6 Cylinder with Hale Pump having $4\frac{1}{2}$ " intake x 2- $2\frac{1}{2}$ " outlets, Engine No. 215-93184
- 1 Spare Hale Pump having $4\frac{1}{2}$ " inlet and 2- $2\frac{1}{2}$ " outlets
- 1 Spare Hale Pump having $4\frac{1}{2}$ " inlet and 2- $2\frac{1}{2}$ " outlets Waukesha Drive
- 1 FM & Co. Size 5 Fig. 875 NE No. 161266 6 x 5 1/2" case Pump
- 1 Dempster 6 x 6 No. 2913 DP 2551 Fig.

ABOVE EQUIPMENT CAN BE USED ANYWHERE OR IN VARIOUS COMBINATIONS DISCHARGING NOT MORE THAN 4.65 SEC. FT. OF WATER = 2092.5 G.P.H.

211-3 212-3 213-
J.W. Grimes
State Office Bldg.
Pierre, So. Dak.

Jim Lacey
Trent, So. Dak.
57035

Dear Sir,

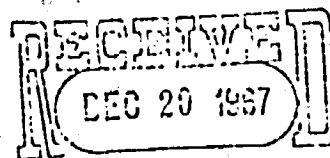
My Father and I farm 440 acres just south of Trent on the Sioux River. We have water rights for roughly 2200 gallons per minute on 320 acres of this land. The other 120 acres we purchased last spring and have no water rights on this. This newly purchased land adjoins our 320 acres on the south side. Several years ago we installed a 10" steel pipeline along our south line so now we have land on both sides of this line.

I would like you to determine or else ask the Water Resources Commission when it meets if we can go ahead and water this additional 120 acres without exceeding our 2200 gallon per minute right. From my point, there would be no point for us to acquire additional water as 2200 gallons is adequate to handle the acreage.

Also, I would like your personal opinion of the feasibility of developing the the Big Sioux River as outlined in this little folder enclosed, recently I was elected to the Board of Directors of this association.

Sincerely,

Jim Lacey
Jim Lacey



STATE WATER RESOURCES COM. L.
PIERRE, SOUTH DAKOTA

211-3 (212-3) f 213-
December 20, 1967

Mr. Jim Lacey
Trent
South Dakota 57065

Dear Mr. Lacey:

Concerning your recent letter, the State water laws require that a water right must be obtained for the additional 120 acres you propose to irrigate even though you have sufficient water capacity to handle the additional acreage.

Water right application forms are enclosed. This can be handled as a supplement to your present water rights Nos. 211-3, 212-3 and 213-3, including the additions to the map.

With respect to the possible development of the water resources in the whole Big Sioux Basin as very generally outlined in the brochure attached to your letter, much benefit and solutions of problems could be the results of such development. In addition to the studies being made by the Corps of Engineers, the Soil Conservation Service and the Bureau of Reclamation have basin-wide investigations underway. With the information from all such work, what might be built will depend in large part upon the approval of people living in the basin. Verne Butler of the East Dakota Conservancy Sub-District, P. O. Box 68, 524 17th Ave., Brookings, South Dakota 57006, is following these studies closely. I assume that your Rural Area Development Association is working closely with him.

Sincerely,

J. W. Grimes

JWG/sjb
Enclosure
cc--Verne Butler

Water Rights Division (605) 773-3352

211-3, 212-3, 213-3

May 14, 1981

Ted Lacey
Box 796
Trent, SD 57065

Dear Mr. Lacey:

We have contacted the Department of Transportation regarding your request to install a line to cross their track. Nora Doyle indicated they have to have one of their engineers check it out, and they have been tied up with other work. They anticipate that they will get to it soon.

We are assuming the 27 acres you mentioned are included in the acreage under Water Rights 211-3, 212-3 and 213-3. If so, we have no objection to changing the method of applying the water.

Sincerely,

BURTON F JONES
Water Rights Specialist

BFJ/gy

OBSERVATIONS DURING THE FIELD INSPECTION OF THE EDWARD
H. LACEY IRRIGATION PROJECT (VESTED RIGHT 211-3, 212-3, and
213-3) ON NOVEMBER 2, 1956.

Mr. Lacey was very cooperative during this inspection even when told that this was only a pick-up inspection and not a formal one.

He has 4 self contained pumping units equipped with $4\frac{1}{2}$ " inlet and $2\frac{1}{2}$ " outlet Hale pumps. Each is rated at 300 gpm. They are powered by Chrysler, Dodge, Wakasha (90Hp) and Diamond-T industrial engines. The pumps all have pressure gauges installed. These units were purchased from government surplus.

The water on the Lacey project is pumped from 11 wells which are 3 feet in diameter with gravel pack screens, they are all curbed with concrete tile. All 11 wells are piped to a central pumping point. Each well is also valved and during the pumping Mr. Lacey adjusts the valves so that the requirement from each well will be such that the static water level in all of the wells will be kept as closely the same as possible. There is approximately 12 feet of water in each well.

He now has about 2640 feet of 6" line, 50 rods of 5", and 3340 feet of 4". Mr. Lacey is going to purchase 2000 feet of 8" main line pipe this spring in order to relieve some of the friction loss when pumping a half-mile which he is required to do at times. He has 170 Rainbird Model 40 5/32 x 13/64 nozzles (15 gpm @ 40#) and 170 rizers.

Normally Mr. Lacey has 160 acres in potatoes and 160 acres in corn, alfalfa and general crops. The entire acreage is usually irrigated.

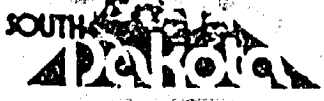
The location of the central point of diversion for his 11 wells at home, the Big Sioux River and the three wells in the gravel pit compared very closely with that shown on the map.

He has three wells in the gravel pit which he drops a suction hose into and uses a portable pump.

There is only a Railroad fill that separates the gravel pit from the Sioux River diversion. Pumping may be done from both of these points with the pump at only one location as shown on the map.

Mr. Lacey's equipment was all in very good condition. At the time of my visit he had 3 of the pumping units torn down and was giving them a complete overhaul.

The general observation showed that the quality of the potatoes, corn etc, and yields were very good.



Department of Water & Natural Resources

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

September 21, 1988

NOTICE

Edward H. Lacey
Box 796
Trent SD 57065

Dear Mr. Lacey:

I am writing to notify you that pursuant to the Notice of Intent to Validate Vested Water Right Claims dated June 20, 1988 that I intend to oppose validation of your water right claim No(s). 211-3, 212-3, 213-3 until a field inspection has been completed. The claim has either never been inspected or an inspection was conducted so long ago that a new inspection is needed. An inspection is needed to determine the current state of your vested water right claim.

A staff member from the Division of Water Rights will be contacting you and scheduling an inspection of your water project. If we can answer any questions, please contact us.

Very truly yours,

for Delwin W. Brong
JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352



South Dakota
Department of
Water & Natural Resources

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

March 6, 1991

NOTICE OF AMENDMENT OF WATER PERMIT

TO: TED LACEY, OPERATOR
RR #1 BOX 39
TRENT, SD 57065

FROM: Ron Duvall, Natural Resources Engineer IV
Water Rights Division
(605) 773-3352 *Ron Duvall*

SUBJECT: Amendment to Water Permit No(s). 211-3,
212-3, 213-3

Pursuant to the provisions of the notice dated February 1, 1991, and following the Hearing February 27, 1991, the Water Management Board has amended Water Permit No(s). 211-3, 212-3, 213-3 to add the following qualification:

"This permit is subject to the Irrigation Water Use Questionnaire being submitted each year."

The addition of this qualification to your Permit means that failure to submit the required irrigation questionnaire in the future could result in suspension of the water permit and no use of water for up to one year for the first violation.

Please contact Genny McMath (605) 773-3352, if you have any questions.

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. ☐ Restricted Delivery. ☐ Signature Required. ☐ Extra charge.

3. Article Addressed to: TED LACEY, OPERATOR RR #1 BOX 39 TRENT SD 57065	4. Article Number P 694 059 386 Type of Service ☐ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee <i>[Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid) Ted Lacey RR #1 BOX 39 Trent S.D. 57065
6. Signature - Agent <i>[Signature]</i>	
7. Date of Delivery 3-7-91	

PS Form 3811 Apr. 1989 U.S. PO 1989-238-010 DOMESTIC RETURN RECEIPT

Water Rights Division - DWIR
Conversation or File Documentation

211-3
File No. 212-3
213-3

NAME OF PERSON OR FILE: Ted Lacey
ADDRESS: RR1, Box 39, Trent, SD 57065 COUNTY Moody
DATE: 8-31-89 TELEPHONE (605) 428-5122
RE: Status of Vested Rights 211-3, 212-3 & 213-3

COMMENT:

On 6-28-89 I inspected the lands irrigated under Vested Right Claims NOS - 211-3, 212-3 & 213-3 to determine the status of the permits.

The 3 vested right claims have been combined to produce 2100 GPM ^(14.45 cfs) to irrigate 326 acres in the SE $\frac{1}{4}$ of Section 13, T105N, R49W and the SW $\frac{1}{4}$ of Section 18, T105N, R48W. The 3 claims cover diversions from the Big Sioux River through an adjacent gravel pit in Section 13 & shallow wells in Section 18.

The diversion point from the Big Sioux River is also used to supply water to another permit, No. 1500-3 now operated by Ted Lacey.

Presently approximately 252 acres are irrigated under the 3 Vested Right claims (see map). There are 4 diversion points capable of producing 2850 GPM (see map). About 765 GPM of the maximum diversion rate from the river diversion point is for Permit No. 1500-3. The 3 Vested

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: Toon Brundage

Water Rights Division - DVHR
Conversation or File Documentation

File No. 211-2
212-3
213.3

NAME OF PERSON OR FILE: _____

ADDRESS: _____ COUNTY _____

DATE: _____ TELEPHONE _____

RE: _____

COMMENTS:

Right Claims should be combined into one
Vested Right and should be validated for
16.16 GPM ^(3.6 cfs) from 4 diversion points to
irrigate 252 acres.

The approximate acreage irrigated is

Section 13	Section 18
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 40 Acres	NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 3 Acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 40 Acres	NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 40 Acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 22 Acres	SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 40 Acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 22 Acres	SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 38 Acres
131 Acres	121 Acres

The present capacities of the pivots and other systems are:

SE $\frac{1}{4}$ of Sec 13 - 750 to 900 GPM, depending on wind gun

SW $\frac{1}{4}$ ~~SW $\frac{1}{4}$~~ of Sec 18 - 450 GPM

E $\frac{1}{2}$ SW $\frac{1}{4}$ of Sec 18 - 750 GPM

trav. line gun - 450 GPM

linear system (used at time) - 600 GPM

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.

4/32

NAME: Don Bracken



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

April 15, 1992

NOTICE

TO: Edward H. Lacey
Box 796
Trent SD 57065

FROM: John Hatch, Chief Engineer
Water Rights Division
605 773-3352

SUBJECT: Hearing to Consider Validation of Recognized Vested Right Claim Nos.
211-3, (212-3) and 213-3

A Notice of Intent to validate Claim Nos. 211-3, 212-3, 213-3 was published on June 22 and 29, 1988 in the Moody Co. Enterprise, Flandreau SD. The Water Rights Division opposed validation of Nos. 211-3, 212-3, 213-3 for purposes of completing on on-site inspection of the claims. The inspection of the claims was completed on June 28, 1989, by Tom Brandner staff engineer. The inspection found that the number of acres being irrigated has been reduced from 326.27 acres to 252 acres. The diversion rate is to be reduced, accordingly, from 4.65 cubic feet of water per second (cfs) to 3.6 cfs. This reduced diversion rate is based on the statutory application rate of 1 cfs per 70 acres (252 acres/70 = 3.6 cfs).

The Water Management Board will consider validation of Claim Nos. 211-3, 212-3 and 213-3 at 9:30 am, May 6, 1992, in the Floyd Matthews Training Center, Joe Foss Building, 523 E Capitol, Pierre SD. The agenda time is an estimate. The actual time of the hearing may be later than 9:30 am due to prior agenda items.

Pursuant to the findings of the on-site inspection, validation of Claim Nos. 211-3, 212-3 and 213-3 are recommended for a diversion rate of 3.6 cfs from the Big Sioux River and three wells for stock watering and to irrigate 252 acres. Following the hearing, the Board is authorized to 1) validate the claims as recommended for 252 acres and 3.6 cfs, 2) validate the claims as licensed prior to the on-site inspection, 3) validate the claims based on evidence presented at the public hearing, or 4) defer validation of the claims. Applicable provisions of the published notice of intent to validate Claim Nos. 211-3, 212-3 and 213-3 will still apply at this hearing. A copy of the June 22 and 29, 1988, publication is available upon request.

This hearing is an adversary proceeding. You have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

cc: Diane Best, Assistant Attorney General

CERTIFICATION

I hereby certify that on April 15, 1992, I have personally deposited with the United States Mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated April 15, 1992, regarding Hearing to Consider Validation of Recognized Vested Right Claim Nos. 211-3, 212-3 and 213-3 addressed as stated below:

Edward H. Lacey, Box 796, Trent, SD 57065.

Copy Sent Inter-office To:

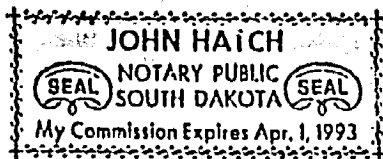
Diane Best, Assistant Attorney General, Capitol Building.

Cheryl F. Frost

Cheryl F. Frost
Secretary

STATE OF SOUTH DAKOTA)
COUNTY OF HUGHES) SS

Sworn to, before me, this 16th day of April, 1992.



John Haich
Notary Public



212-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

April 24, 1992

Patrick Lacey
141 N Main #704
Sioux Falls SD 57102

Dear Mr. Lacey:

This letter is in response to our phone conversation on April 23, 1992. Enclosed are copies of Vested Water Right Nos. 211-3, 212-3, and 213-3; inspection notes by Tom Brandner; a map prepared from the inspection; and the water rights laws.

The copies of the vested right claims include each application as filed and the water license issued for each claim. Based on the inspection results, a map was prepared. The map outlines in red the acreage being irrigated (252 acres) and also shows the location of the pipelines in orange.

The statutes pertaining to validation of Mr. Lacey's vested right claims are South Dakota Codified Laws 46-2A-16 through 46-2A-18 (pages 27 and 28). The reduction in the diversion rate from 4.65 cubic feet of water per second (cfs) to 3.6 cfs is based on SDCL 46-5-6 (page 39). The acreage (252 acres) divided by 70 are the figures used to arrive at the 3.6 cfs figure.

You are welcome to attend the hearing in Pierre on May 6, 1992; however, if you agree with the contents of the notice dated April 15, 1992, there is no need to make the trip. The Water Management Board will validate the claim as recommended in the notice. Please let me know if you have any problems with the recommendation, we may be able to address your concerns and save you a trip to Pierre.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enc.

Water Rights Division - DWR
Conversation or File Documentation

File No. 211-3
212-3
213-3

NAME OF PERSON OR FILE: Ted Lacey
ADDRESS: RR1, Box 39, Trent, SD 57065 COUNTY Moody
DATE: May 1, 1992 TELEPHONE 428-5122
RE: Validation of Vested Right Claims 211-3, 212-3, & 213-3

COMMENTS:

Mr. Lacey called me at home on the evening of April 30, 1992. He was concerned that we are recommending a reduction in the diversion rate for the three claims. He is unable to attend the WMB meeting on May 6th due to corn planting. The higher diversion rate is needed due to the sandy type soil. I told him I would check on the situation and call him at 1:00 p.m. on May 1st.

Called Mr. Lacey @ 1:30 p.m. on May 1st. Told him that we would recommend validation of the three Vested Right claims at a diversion rate of 2.65 cfs. This exceeds the allowable rate (by statute) of 3.6 cfs by 1.65 cfs. The reason for recommending the 2.65 cfs is that the soil is very sandy and the configuration of the fields requires more time to irrigate. I also told him that we would incorporate the three claims into one claim. Mr. Lacey agreed with all of this.

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: Delvin D. Pross



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

JUN 29 1992

Edward H. Lacey
Box 796
Trent SD 57065

Dear Mr. Lacey:

The Water Management Board has validated the enclosed Vested Water Right No. 213-3. This validation gives legal status to the claim and is the final document for your vested right. Enclosed is the reissued water license which reflects the acreage and diversion rate as validated by the Board.

As long as you use the water beneficially, as stated in the validation, State Water Laws provide that you have a continuing right to use the water.

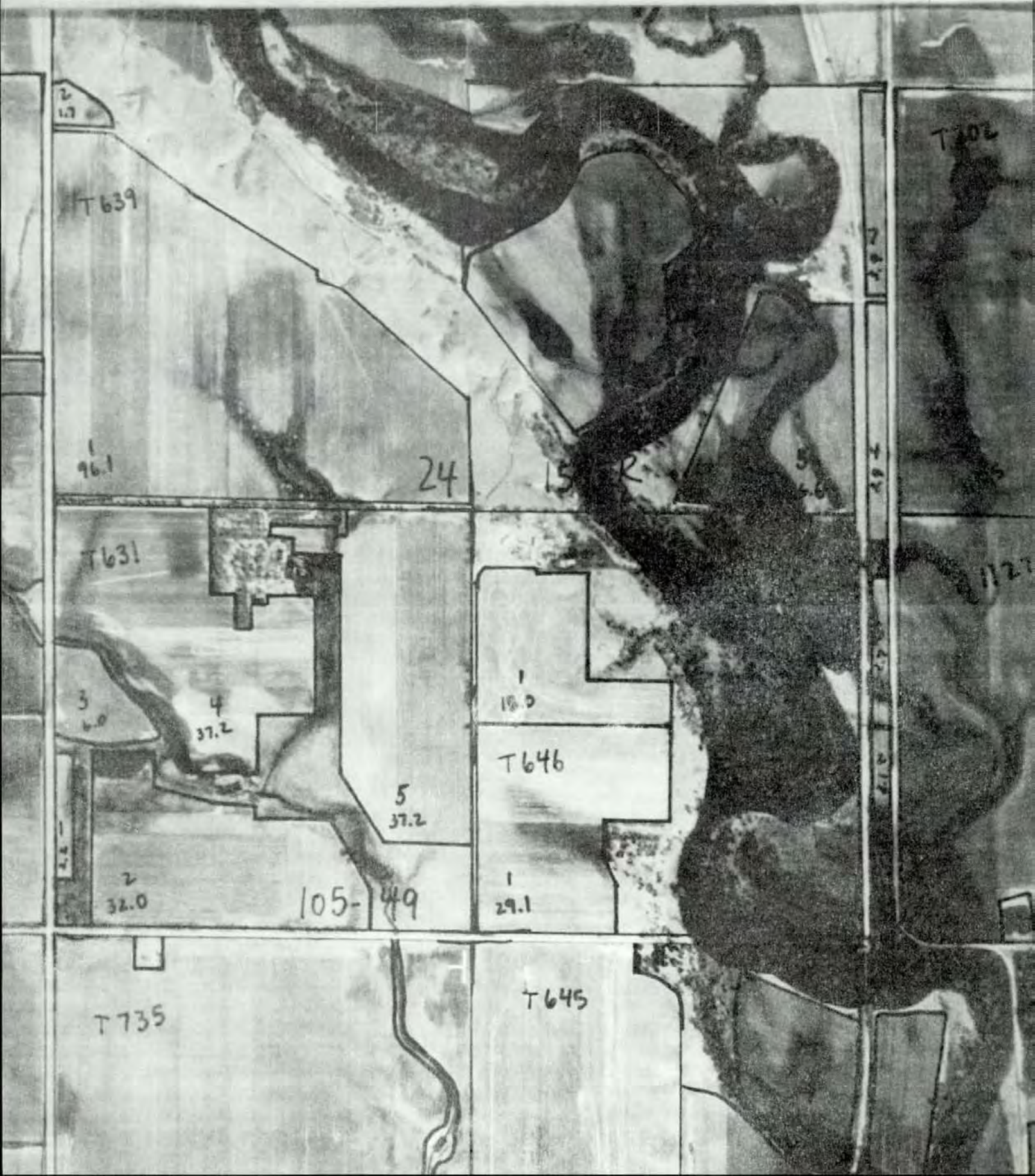
Very truly yours,

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

enclosure

The applicable portions of Water License No. 211-2 and 212-3 have been incorporated into Water License No. 213-3 and the abandoned portions of Water License Nos. 211-3 and 212-3 have been cancelled.

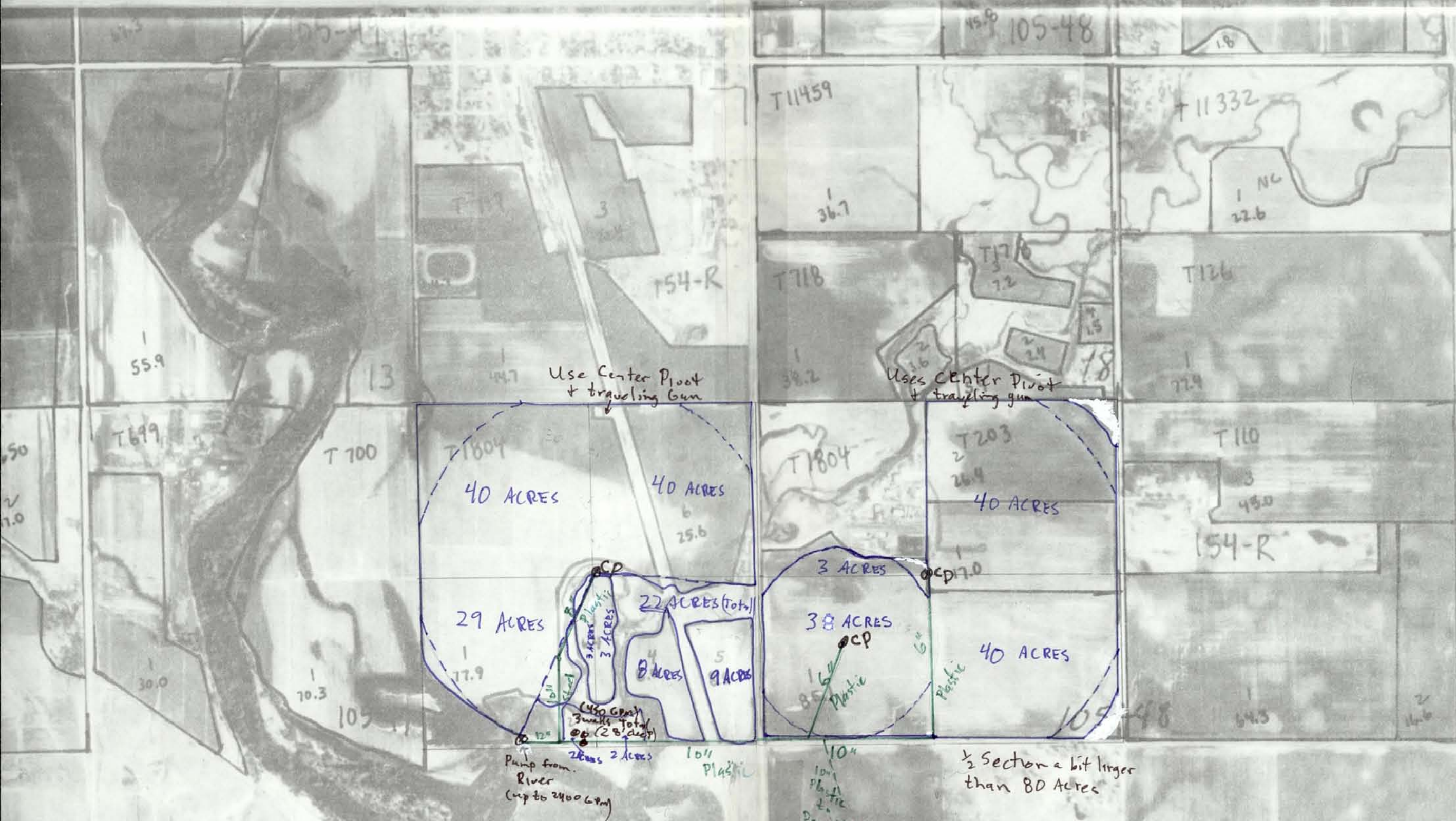
NOT TO SCALE



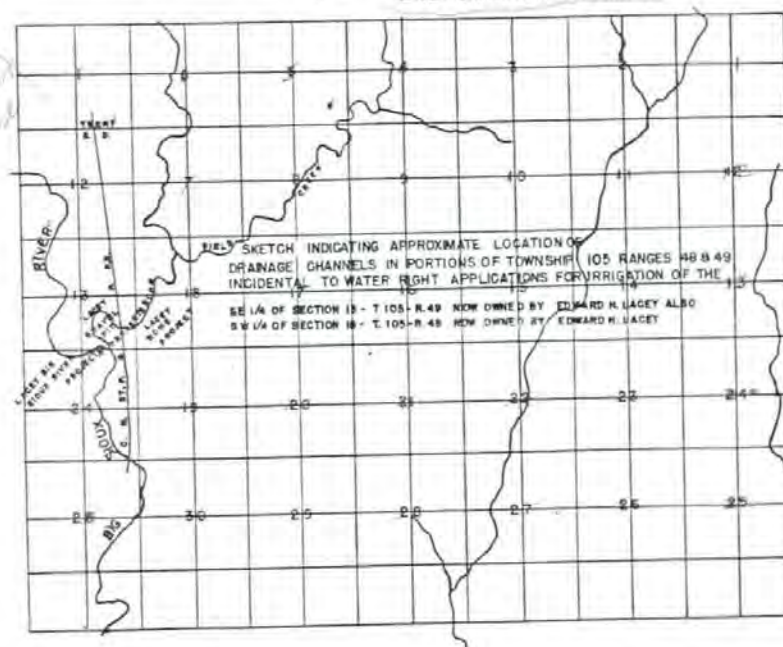
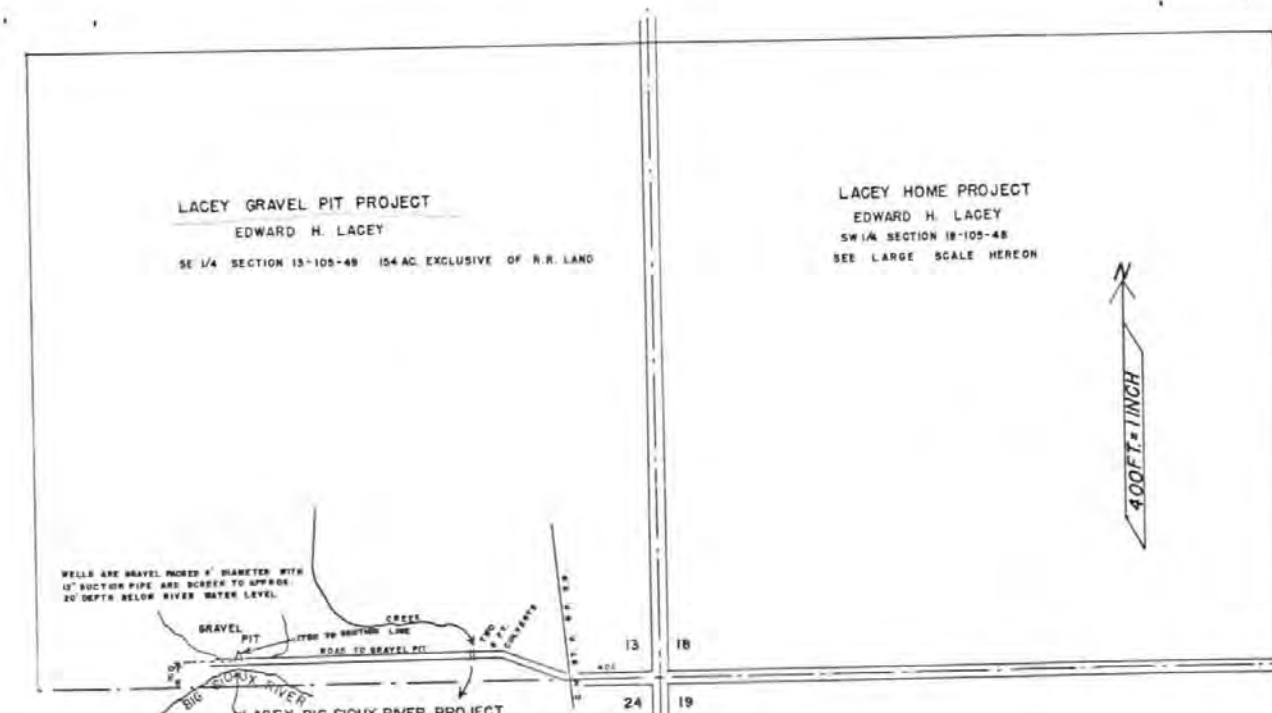
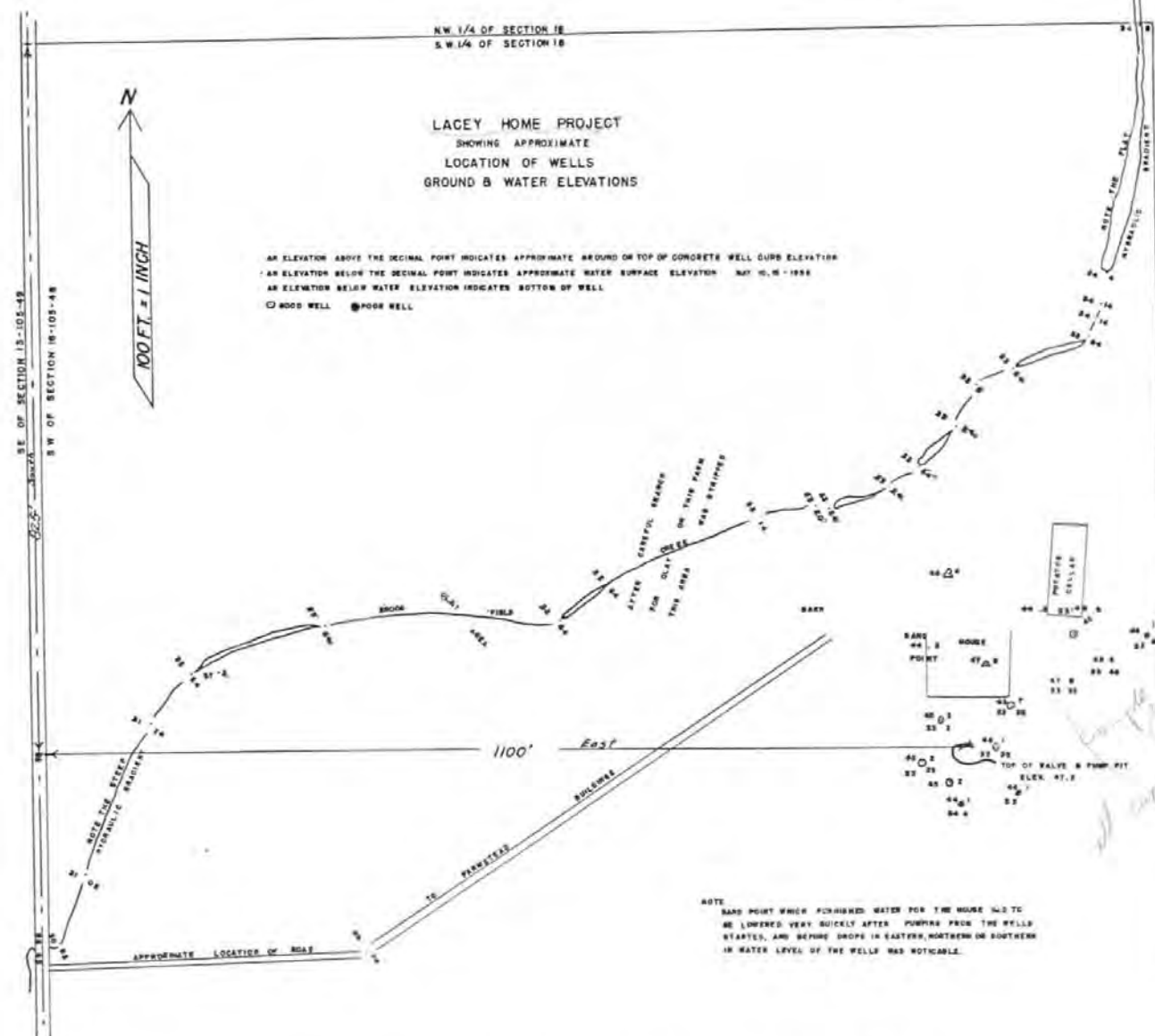
NOT TO SCALE



NOT TO SCALE NOT TO SCALE



Thomas M. Brandon
6-28-89



I, Edward K. Mather, a duly licensed Land Surveyor, in and for the State of South Dakota, do hereby certify that the accompanying map shows the land to be watered from one or more sources of water supply by pumping and sprinklers under the LACEY WATER PERMITS or Water Rights.

In Witness Whereof I have hereunto set my hand and seal this 31st. day of May, 1956
Edward K. Mather
 Licensed Land Surveyor

State of South Dakota)
 County of Moody)

On this 31st. day of May, 1956, before me, Elsie Hanson, the undersigned officer, personally appeared Edward K. Mather, known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

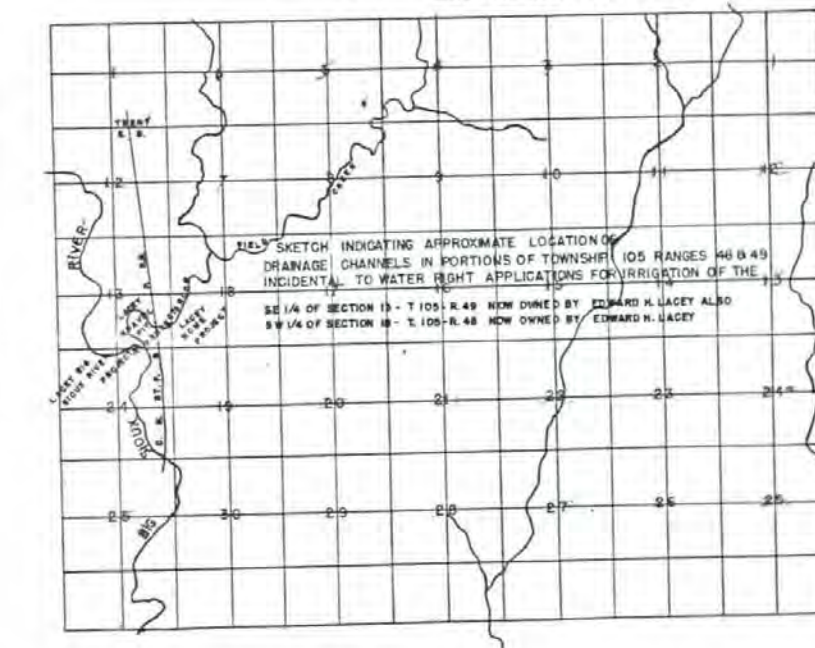
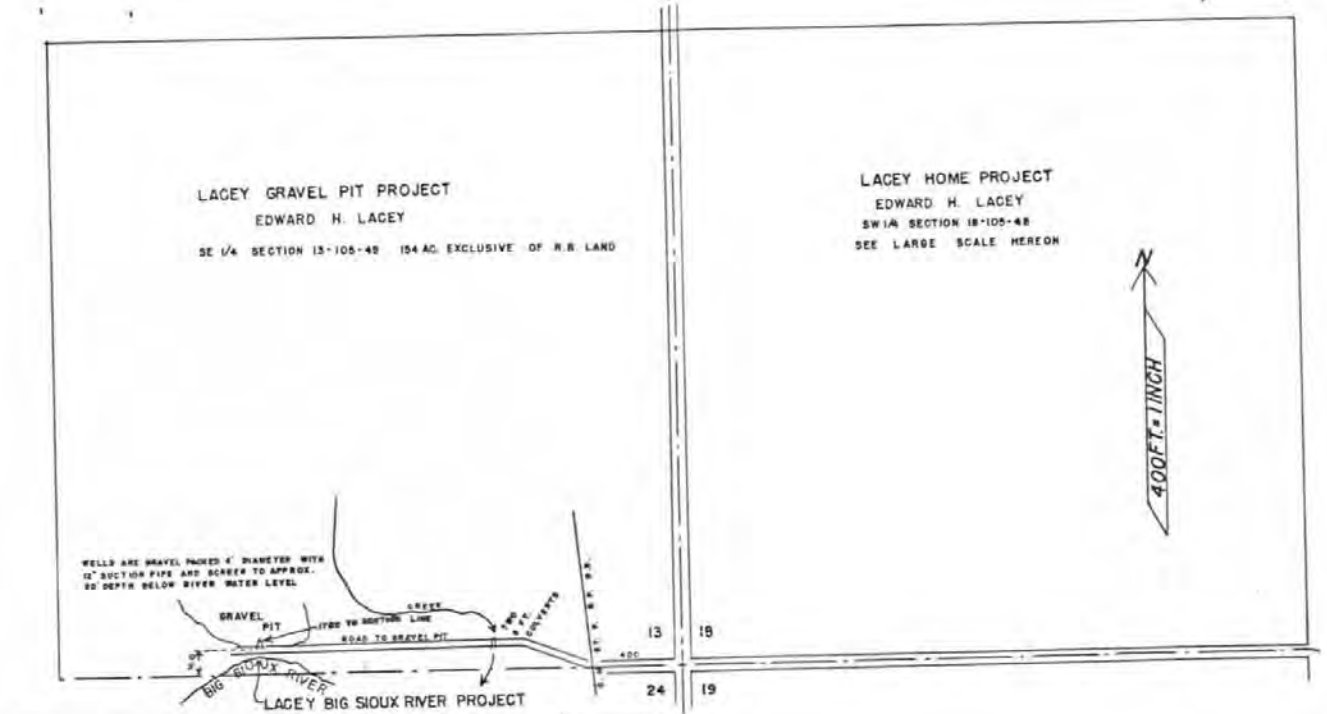
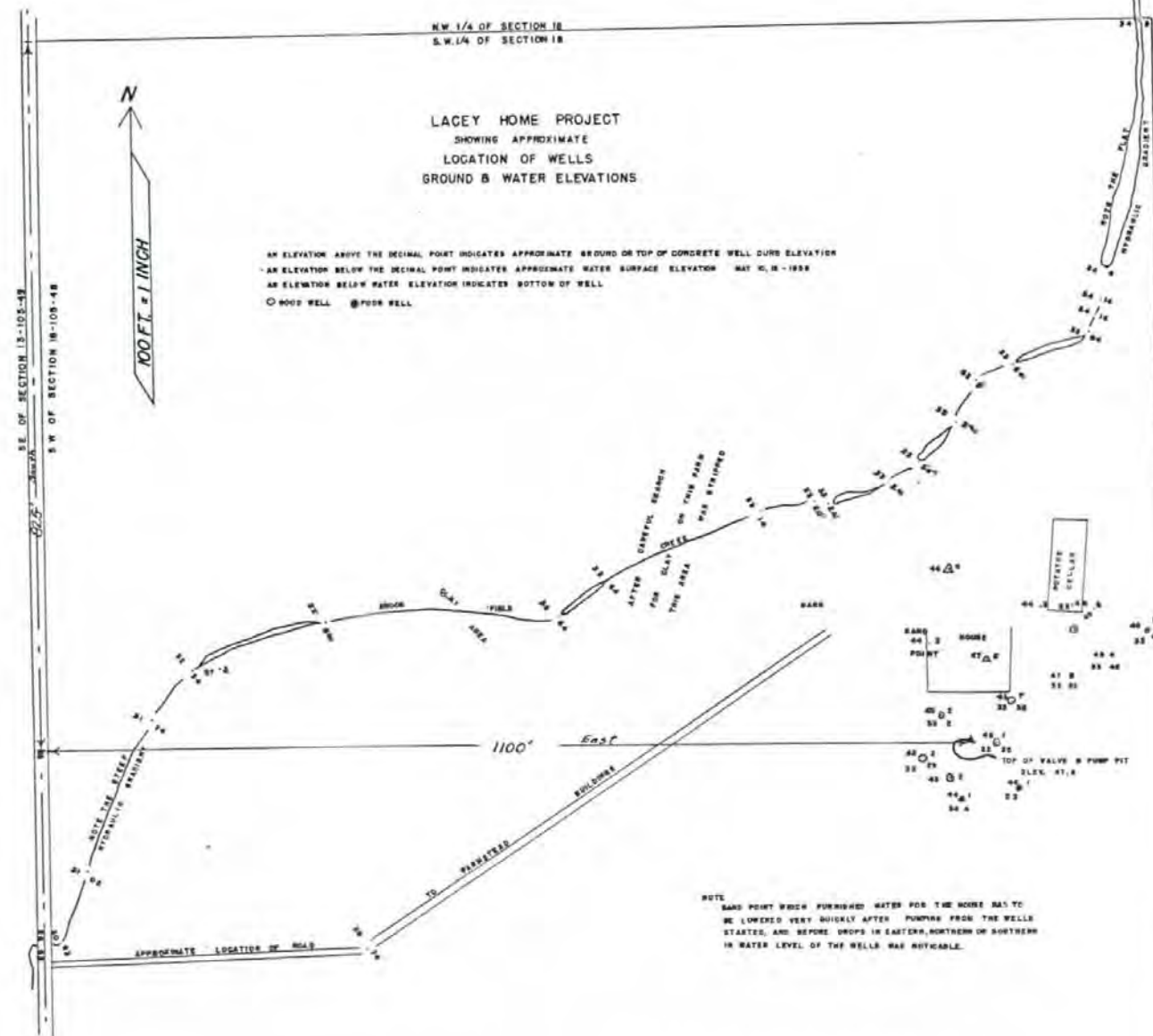
In Witness Whereof I have hereunto set my hand and official seal. Elsie Hanson
 My Commission Expires: June 23, 1959 Notary Public, South Dakota

NO. 40 HANDBIRD NOZZLES					
		3/6 x 1/8	2/32 x 3/16	3/32 x 1/32	
PRESSURE	DIAMETER	DISCHARGE	PRESSURE	DIAMETER	DISCHARGE
20	8.5	1.15	20	11.7	20.2
30	9.1	1.38	30	12.9	24.4
40	9.6	1.52	40	14.0	29.0
50	10.0	1.68	50	15.0	34.0
60	10.4	1.82	60	16.0	39.0
70	10.8	1.98	70	17.0	44.0
80	11.2	2.12	80	18.0	49.0

LACEY'S IRRIGATION PROJECTS

BIG SIOUX RIVER PROJECT
 GRAVEL PIT PROJECT
 HOME PROJECT

Map No. 167-3
 (Appl's No. 211-3
 212-3
 213-3)



I, Edward K. Mather, a duly licensed Land Surveyor, in and for the State of South Dakota, do hereby certify that the accompanying map shows the land to be watered from one or more sources of water supply by pumping and sprinklers under the LACEY WATER PERMITS or Water Rights.

In Witness Whereof I have hereunto set my hand and seal this 31st. day of May, 1956
Edward K. Mather
Licensed Land Surveyor

State of South Dakota)
County of Moody)
On this 31st. day of May, 1956, before me, Elsie Hanson, the undersigned officer, personally appeared Edward K. Mather, known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In Witness Whereof I have hereunto set my hand and official seal. *Elsie Hanson*
My Commission Expires: June 23, 1959
Notary Public, South Dakota

NO. 40 RAMBOLD			NOZZLES					
1/4x1/8			7/32x5/16			9/32x7/32		
PRESSURE	DIAMETER	DISCHARGE	PRESSURE	DIAMETER	DISCHARGE	PRESSURE	DIAMETER	DISCHARGE
20	1/2	1.15	30	1/2	11.7	80	1/2	10.4
30	1/2	1.80	40	1/2	12.8	90	1/2	11.5
40	1/2	2.42	50	1/2	13.9	100	1/2	12.6
50	1/2	3.04	60	1/2	15.0	110	1/2	13.7
60	1/2	3.66	70	1/2	16.1	120	1/2	14.8
70	1/2	4.28	80	1/2	17.2	130	1/2	15.9
80	1/2	4.90	90	1/2	18.3	140	1/2	17.0
90	1/2	5.52	100	1/2	19.4	150	1/2	18.1
100	1/2	6.14	110	1/2	20.5	160	1/2	19.2
110	1/2	6.76	120	1/2	21.6	170	1/2	20.3
120	1/2	7.38	130	1/2	22.7	180	1/2	21.4
130	1/2	7.99	140	1/2	23.8	190	1/2	22.5
140	1/2	8.61	150	1/2	24.9	200	1/2	23.6
150	1/2	9.23	160	1/2	26.0			
160	1/2	9.85	170	1/2	27.1			
170	1/2	10.47	180	1/2	28.2			
180	1/2	11.09	190	1/2	29.3			
190	1/2	11.71	200	1/2	30.4			
200	1/2	12.33						

LACEY'S IRRIGATION PROJECTS

BIG SIOUX RIVER PROJECT
GRAVEL PIT PROJECT
HOME PROJECT

Map No. 167-3
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