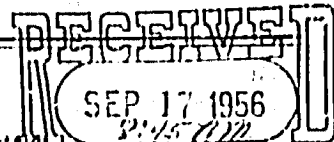


1. Considered Nov 13, 1956
2. Name of Applicant City of Sevier Falls #299-3
3. Post Office Address Sevier Falls, S. Dak.
4. Amount of water claimed 3.12 cfs
5. Source of water supply Well No. 299
6. Water to be used for irrigated cropland
- Acres to be irrigated 104.4
7. Water to be diverted and used in Minnehaha County about
_____ miles _____ of _____
8. Proof of Publication Received ✓
Not Received th
9. Application Approved ✓
Subject to _____
Not Approved _____
Action deferred _____

10. Remarks:

No. 299-3Water Division No. 5 Sioux Falls District
(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 City of Sioux Falls, South Dakota
Postoffice address Sioux Falls, County Minnehaha, State So. Dakota

I. If a corporation Municipal Corporation(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 Fay Whaeldon, MayorJohn H. Bromberg, CommissionerBert. T. Xenger, Commissioner

(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)

To be completed by contract(b) Cash on hand, \$ -----(c) Treasury stock, \$ -----(d) Bonds to be issued, \$ \$500,000(e) Other resources, \$ -----2. Name of diversion work Well No. 293. Amount of water claimed 3.12 cubic feet per second4. Source of water supply Ground Water5. Location of point of diversion T102N R49W; 330' West Ctr Sec. 32; 130' So. Ctr Sec 32----- on bank Minnehaha County.6. Annual period or periods during which water is to be used continuous

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? -----(a) Number of acres to be irrigated ----- acres.(b) Legal subdivision to be irrigated -----

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

(c) Statement as to domestic use (giving location, etc.) -----

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

(a) Nature of use Municipal Water Supply

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 Sioux Falls Sewage Treatment P.

8. Estimated cost of work: (To be shown on form 2A)

(a) Head Gates, \$-----

(b) Pumping plant, \$-----

(c) Fluming, \$-----

(d) Canal earth, \$-----

Rock, \$-----

(e) Other structures ----- \$-----

Total, \$-----

9. Description of diversion works: (To be shown on Form 2A)

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

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 -----

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

DEPTH AT OUTLET- FEET	SURFACE AREA AT EACH DEPTH AT OUTLET--ACRES	FEET	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 ----- 4 to 6 months years.

11. Time required for complete application of water to the proposed beneficial use ----- 7 one ----- years.

12. Choice of newspaper for publication of notice of intention to appropriate ----- Argus Leader -----

STATE OF SOUTH DAKOTA

County of Minnehaha

ss.

I, Fay Wheelon

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.

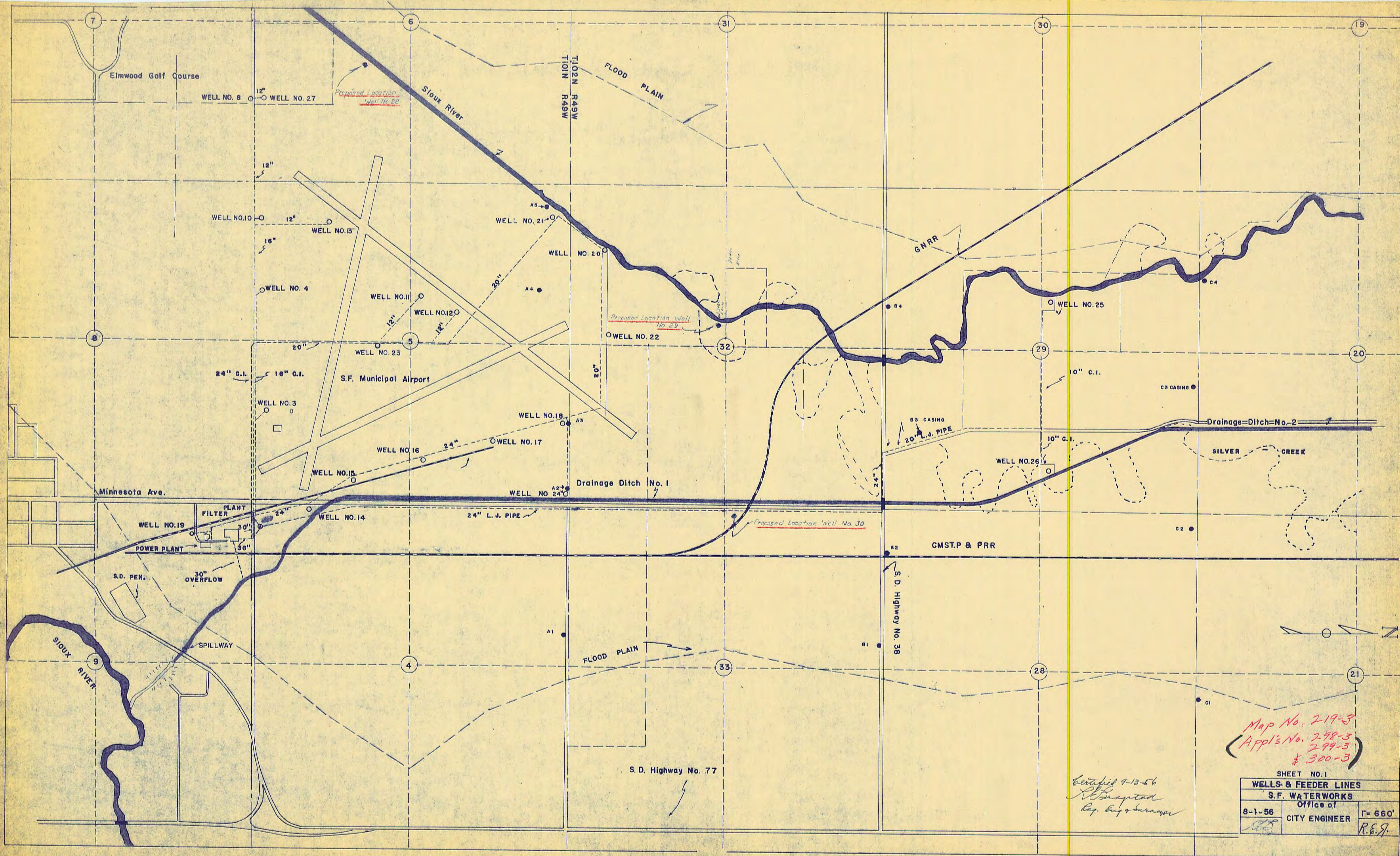
Signed

Subscribed and sworn to before me this

day of

Notary Public (or other qualified officer.)

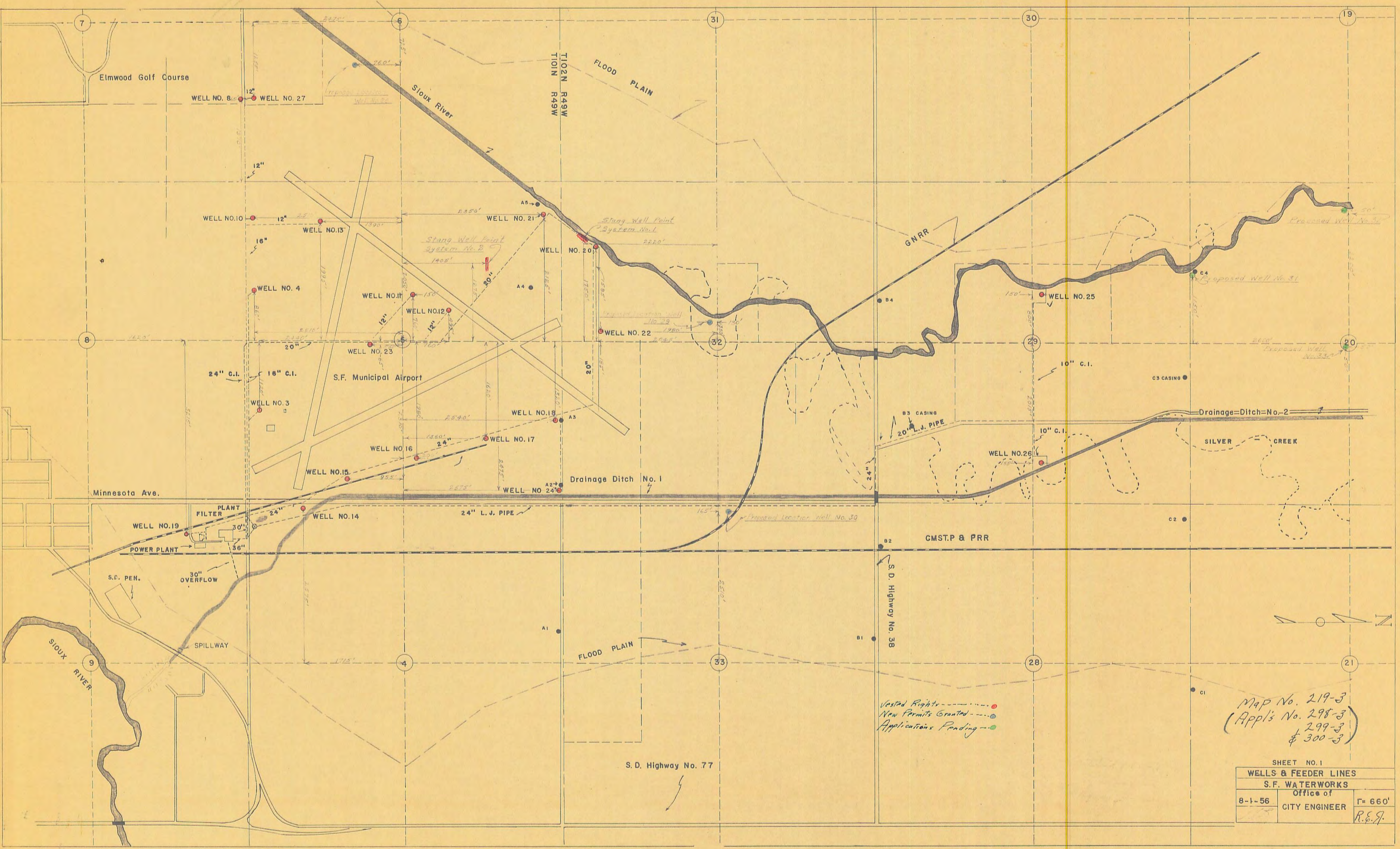
*Each diversion must have a headgate or measuring device.



Map No. 219-3
 (Appl's No. 298-3
 299-3
 & 300-3)

Exempted 7-13-56
 Adapted
 Reg. Eng. & Surveyor

SHEET NO. 1		
WELLS & FEEDER LINES		
S.F. WATERWORKS		
Office of		
8-1-56	CITY ENGINEER	Γ= 660'
		R.E.F.



Map No. 219-3
(Appl's No. 298-3
299-3
300-3)

SHEET NO. 1		
WELLS & FEEDER LINES		
S.F. WATERWORKS		
Office of		
8-1-56	CITY ENGINEER	1"= 660'
		R.E.J.

STATE OF SOUTH DAKOTA
County of Hughes } ss.

Pierre, South Dakota, September 26, 1956

This is to certify that the foregoing application was received by the Commission at 8:45 o'clock
9 m. upon the 17 day of September, 1956

State Water Resources Commission

By:

J. H. Rimes
Chief Engineer, Executive Officer

Number of permit 2993

Date of first receipt of application September 17, 1956

Date of return to applicant for correction, amendments or changes required as follows: _____, 19____

Date of receipt of corrected application _____, 19____

Date from which applicant may claim right September 17, 1956

Approved November 14, 1956, Recorded in Book 3 Page 247

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 _____

May 14, 1957

2nd. The whole of said work is to be completed on or before November 14, 1957

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

November 14, 1958

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

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 3.12 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 or before November 14, 1958, said water to be used during the following described annual period:

Continuously

Witness my hand this 29 day of December, 1956

State Water Resources Commission

By:

J. H. Rimes
Chief Engineer, Executive Officer

Certificate of Construction Issued AUGUST 26, 1966

Water License Issued AUGUST 26, 1966

Well No. 29

D. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 16 ft., Depth 47 ft.

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

Size of casing 13 ft., Thickness of casing 18"

Length of casing 53 ft. If collection gallery, length, size and depth of gallery

(b) Screens

Type of perforated screen Ranney Collector

Size of perforated screen 8" (diameter), 300 to 400 ft. (length)

Thickness of gravel pack none, length of gravel pack

(c) Water Bearing Materials

Distance to water 10 ft., Character of water bearing materials Fine to coarse sand.

Thickness of water bearing material 37 ft.

(d) Pump and Motor

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

Name of pump Pomona, size 1,500 GPM

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

Horsepower 40, Name of Motor F. H.

(e) Complete well

Capacity 1,400 GPM at drawdown of 10-15 ft., Estimated cost \$190,

(f) Owner of land upon which well is located City of Sioux Falls
Name

Sioux Falls, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property 110 rods. On property owned by others 13

STATE OF SOUTH DAKOTA

WATER LICENSE No. 299-3

WHEREAS, On the 17th day of September A. D. 1956
the City of Sioux Falls

County of Minnehaha and State of
South Dakota duly made application (No. 299-3) to us for a permit to use 3.12
cubic feet per second of the waters of ground water
County of Minnehaha, State of South Dakota, for municipal
purposes; and

WHEREAS, On the 29th day of December A. D. 1956
Permit No. 299-3 was issued to said applicant for the diversion of said water, and providing for the
completion of the works of diversion therein described on or before the 14th day of
November A. D. 1957 and for the application to beneficial use of said
water on or before the 14th day of November A. D. 1958
and,

WHEREAS, On the 28th day of July A. D. 1966
the holder of said permit duly made proof of the completion of adequate works for the diversion of 3.12
cubic feet per second of said waters, as evidenced by our Certificate No. 299-3
dated August 26, 1966 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 3.12 cubic feet per second of water, with date of
priority of September 17, 1956 and,

WHEREAS, On the 28th day of July A. D. 1966
proof was duly made of the application to beneficial use of 3.12 cubic feet per second of said water;
for municipal use by the City of Sioux Falls

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 the City of Sioux Falls

~~xx~~ the holder and owner of said permit No. 299-3
a water right, dating from September 17, 1956 to the use of 3.12

cubic feet per second of the waters of ground water
In the County of Minnehaha and State of South Dakota, or so much thereof as may be
necessray for the purposes hereinafter mentioned, to be diverted at a point 330'W and 130'S of the
center of Section 32, T102N, R49W

and cond ~~ition~~ the city water distribution system

for the purpose of municipal 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, canal or lateral from
which such water may be taken, when such rules and regulations have for their object the economical use of such
water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 26th day of August A. D. Nineteen
Hundred and Sixty-Six

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. 299-3Water Division No. 3 Big Sioux River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Sioux FallsCounty of Minnehaha, and State ofSouth Dakota, the holder of Permit No. 299-3, issued upon ApplicationNo. 299-3, bearing date of priority of September 17, 1956, authorizing the diversion of3.12 cu. ft. per second of the waters of ground waterCounty of Minnehaha, State of South Dakota, at a point 330°W and 130°Sc. of the center of Section 32, T102N, R49Wfor municipal

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 3.12 cu. ft.

per second of water; and that the ~~diversion of water for~~ use of said water ~~is~~ described as follows,

to-wit: for municipal purposes by the City of Sioux Falls

Witness my hand this 26th day of August A. D. 1966

State Water Resources Commission

By:

J. W. GRIMES
Chief Engineer, Executive Officer

(First Publication before October 12, 1956)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., September 26, 1956

Notice is hereby given that the City of Sioux Falls whose postoffice address is Sioux Falls S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.12 cubic feet of water per second of time from ~~the~~ ground water through the Well No. 29, the point of diversion of which is to be located ~~on the~~ in the ~~NE~~ NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 32 Twp. 102N Range 49W. Said water to be used for the purpose of providing ~~any other~~ municipal water for the City.

~~and/or~~ and/or

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 13th day of November, 1956, 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:

J. W. Grigas,

Chief Engineer, Executive Officer

cc: John A. Kennedy, Publisher
The Daily Argus Leader
Sioux Falls, S. Dak.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
 County Minnehaha } ss.

E. J. Kahler being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the SIoux FALLS ARGUS LEADER 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 Sioux Falls County of Minnehaha and State of South Dakota; that the said notice was published in said newspaper on the following dates:

September 28, 1956

October 5, 1956

October 12, 1956

October 19, 1956

in each and every issue of the full number thereof, the first publication being made on the 28th day of September 1956 and the last publication on the 19th day of October 1956, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was Manager the printer and publisher of the said newspaper.

Subscribed and sworn to before me this 19th day of October A. D. 1956
Eleanor Tague Eleanor Tague

Notary Public Minnehaha County, S. D.

APPROPRIATION OF WATER
 Office of State Water Resources Commission
 Pierre, S. Dak., September 26, 1956.
 Notice is hereby given that the City of Sioux Falls, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.12 cubic feet of water per second of time from ground water through the Well No. 29, the point of diversion of which is to be located in the NE 1/4 of the SW 1/4 of Section 32, Twp. 102N, Range 49W. Said water to be used for the purpose of providing municipal water for the City of Sioux Falls.
 This application will be taken up by the State Water Resources Commission at their office at Pierre, S. Dak., for consideration on the 19th day of November, 1956, 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: J. W. Grimes,
 Chief Engineer,
 Executive Officer.
 (Sept. 26, Oct. 5, 12, 19)

RECEIVED
 NOV 1 - 1956
 STATE WATER RESOURCES COMM.
 PIERRE, SOUTH DAKOTA

Permit No. 299-3
3 BIG SIOUX
 Water Division No. 3 RIVER Water District

Certificate of Examination of Works

Report of Examining Engineer

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

Dear Sirs: I hereby certify that in accordance with your letter of authorization dated _____
 19____, I have this day made a thorough examination of the diversion works constructed by _____
THE CITY of SIOUX FALLS
MINNEHAHA County, South Dakota, holder of Permit No. 299-3, issued
 upon Application No. 299-3 bearing date of priority of SEPTEMBER 17 1956, authorizing the
 diversion of 3.12 cu. ft. per second of the waters of GROUND WATER for MUNICIPAL
 purposes. I have to report on the condition of the same as follows:

The diversion works comprise: WELL #29 - RANNEY WELL WITH
FAIRBANKS-MORSE TURBINE PUMP #AV 6588, POWERED
BY FAIRBANKS-MORSE 40HP ELECTRIC MOTOR, TYPE QZKV.
WATER PUMPED THRU 1200' OF 12" LINE TO 24"
LINE THEN TO TREATMENT PLANT

and the system is in the following condition: EXCELLENT

The point of diversion is located 330' W & 130' S OF THE
CENTER, SECTION 32, T102N, R49W

The works are capable of diverting and conveying to the place of use 3.12 cu. ft. per second of water,
 which is to be used for MUNICIPAL USE

The legal sub-divisions to be irrigated are: _____

_____ comprising a total of _____ acres of land

The domestic use intended comprises _____

The utilization for power, mining, or other beneficial uses comprises: _____

Witness my hand, this 28TH day of _____

JULY

—SEAL—

Burton Jones
 Examining Engineer.

OFFICER

St. Louis

Well

29 April 1905

430 on April 29th

[illegible]

DATE: 11/20/2011 11:57

LOCATION AND HYDROGEOLOGY

[illegible]

1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the study. The investigator must first identify the problem that is being investigated. This is done by the investigator who is responsible for the study. The investigator must first identify the problem that is being investigated. This is done by the investigator who is responsible for the study.

5. The following information is provided for the year ended 31/12/2019:

CERTIFICATE THAT THE MICROPHOTOGRAPHIC IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE
RECORDED AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILLED
1907-19. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER
AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTOGRAPHIC
REPRODUCTION. REDUCTION 1/25 ROLL NO. 2

DATE MICROFILMED

CAMERA OPERATOR

PUMPING TEST (WELL 251)

On July 1, 1964, a pumping test was conducted in well 251, located in the
vicinity of the town of Rapid City, South Dakota. The test was conducted
in accordance with the provisions of the National Bureau of Standards for
Permanent Microphotographic Reproduction. The test was conducted by the
South Dakota Bureau of Administration, Office of Records Management.

PUMPING TEST (WELL 251)

On July 1, 1964, a pumping test was conducted in well 251, located in the
vicinity of the town of Rapid City, South Dakota. The test was conducted
in accordance with the provisions of the National Bureau of Standards for
Permanent Microphotographic Reproduction. The test was conducted by the
South Dakota Bureau of Administration, Office of Records Management.

100-100-100

BUREAU OF ADMINISTRATION - OFFICE OF RECORDS MANAGEMENT - CERTIFICATE OF AUTHENTICITY

THE MICROPHOTOGRAPHIC IMAGE APPEARING ON THIS SLIDE OF MICROFILM IS AN ACCURATE REPRODUCTION OF THE ORIGINAL DOCUMENT IN THE PRESERVE COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF SOUTH DAKOTA COMPILATION OF THE NATIONAL ARCHIVES ACT. THE MICROFILM PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS IN A MANNER THAT MEETS THE REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTOGRAPHIC REPRODUCTION.

DATE MICROFILMED

NAME OPERATOR

WILLIAM H. HARRIS

1871-1872

1873-1874

1875-1876

1877-1878

1879-1880

1881-1882

1883-1884

1885-1886

1887-1888

1889-1890

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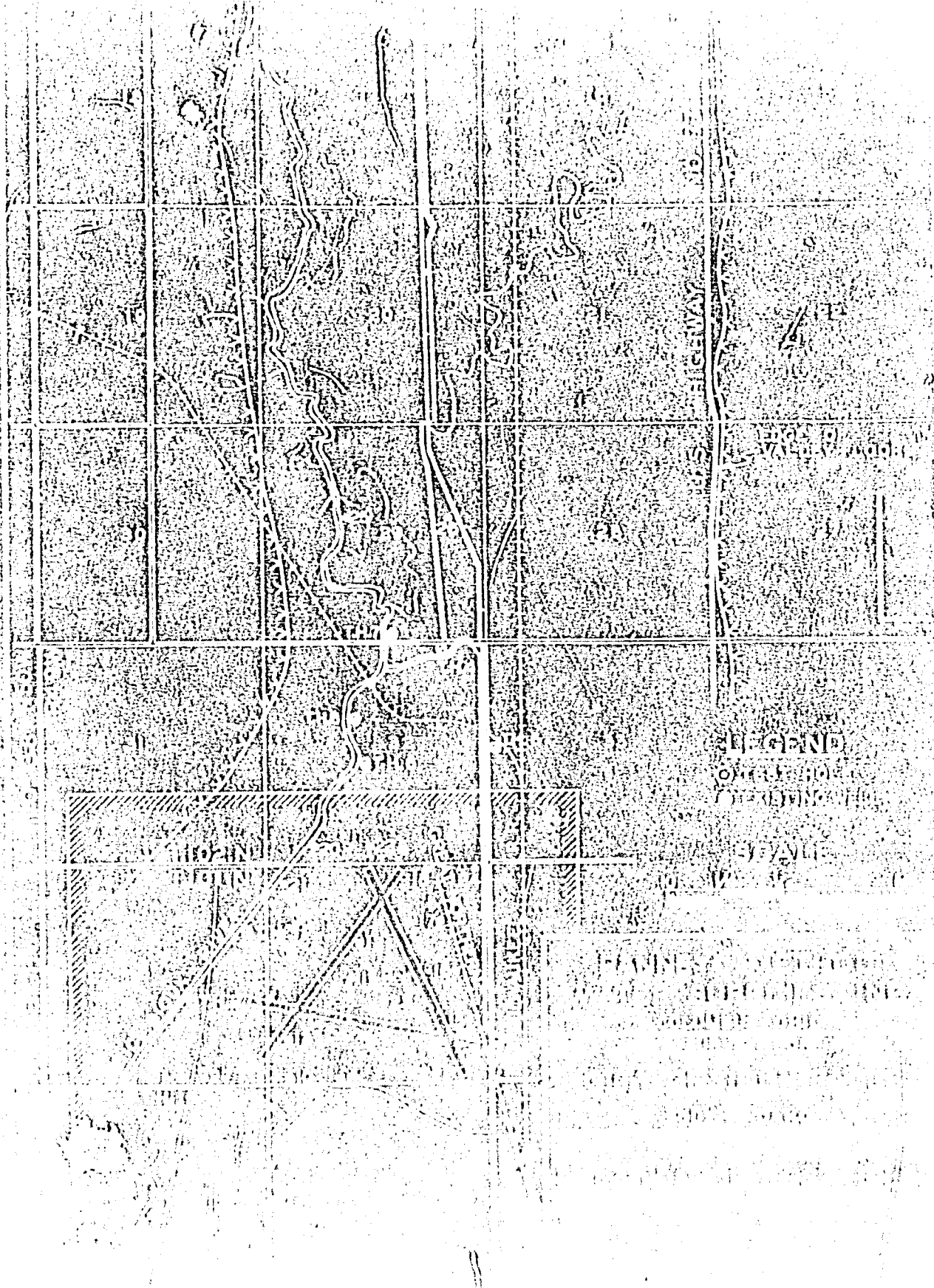
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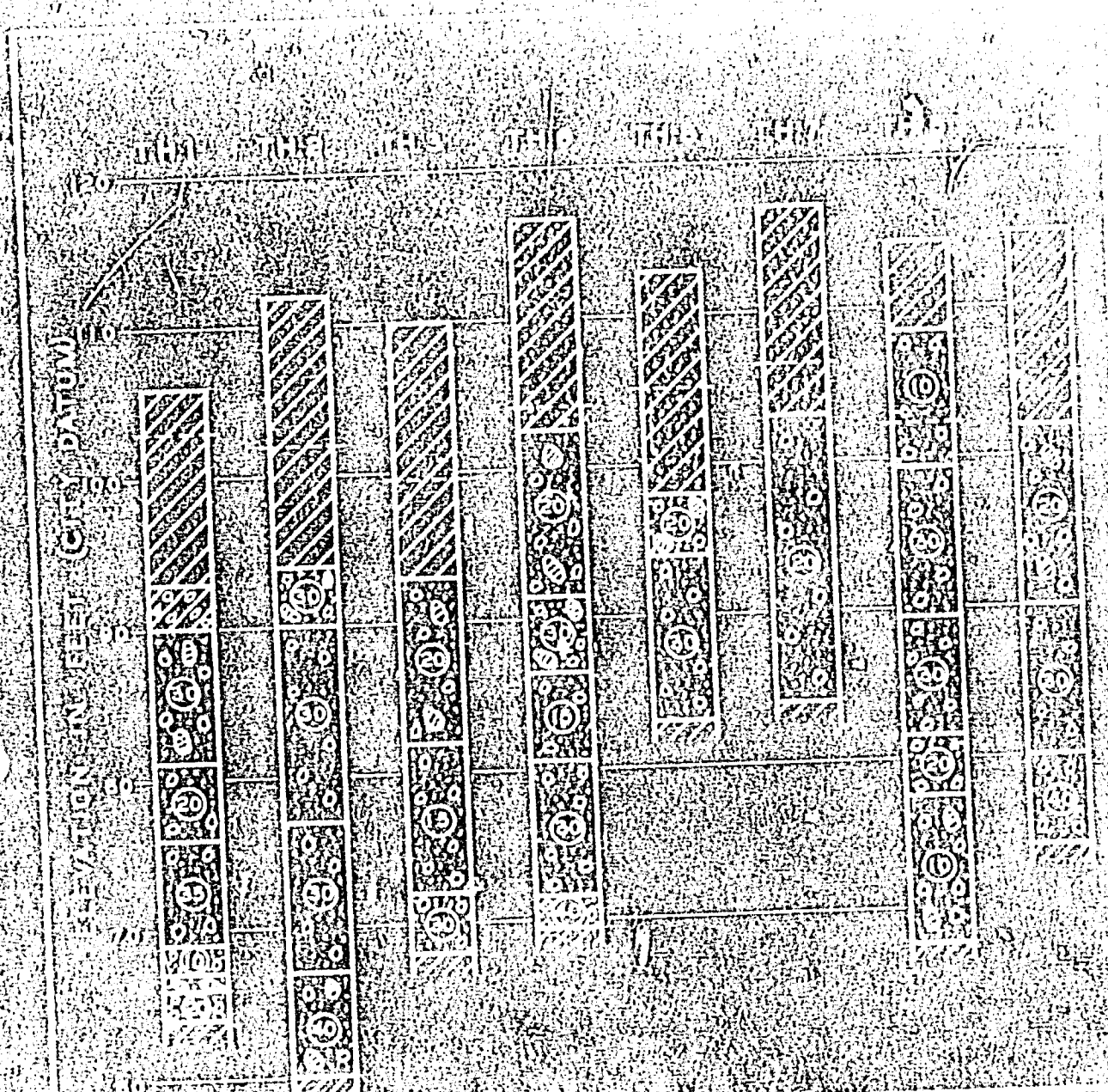
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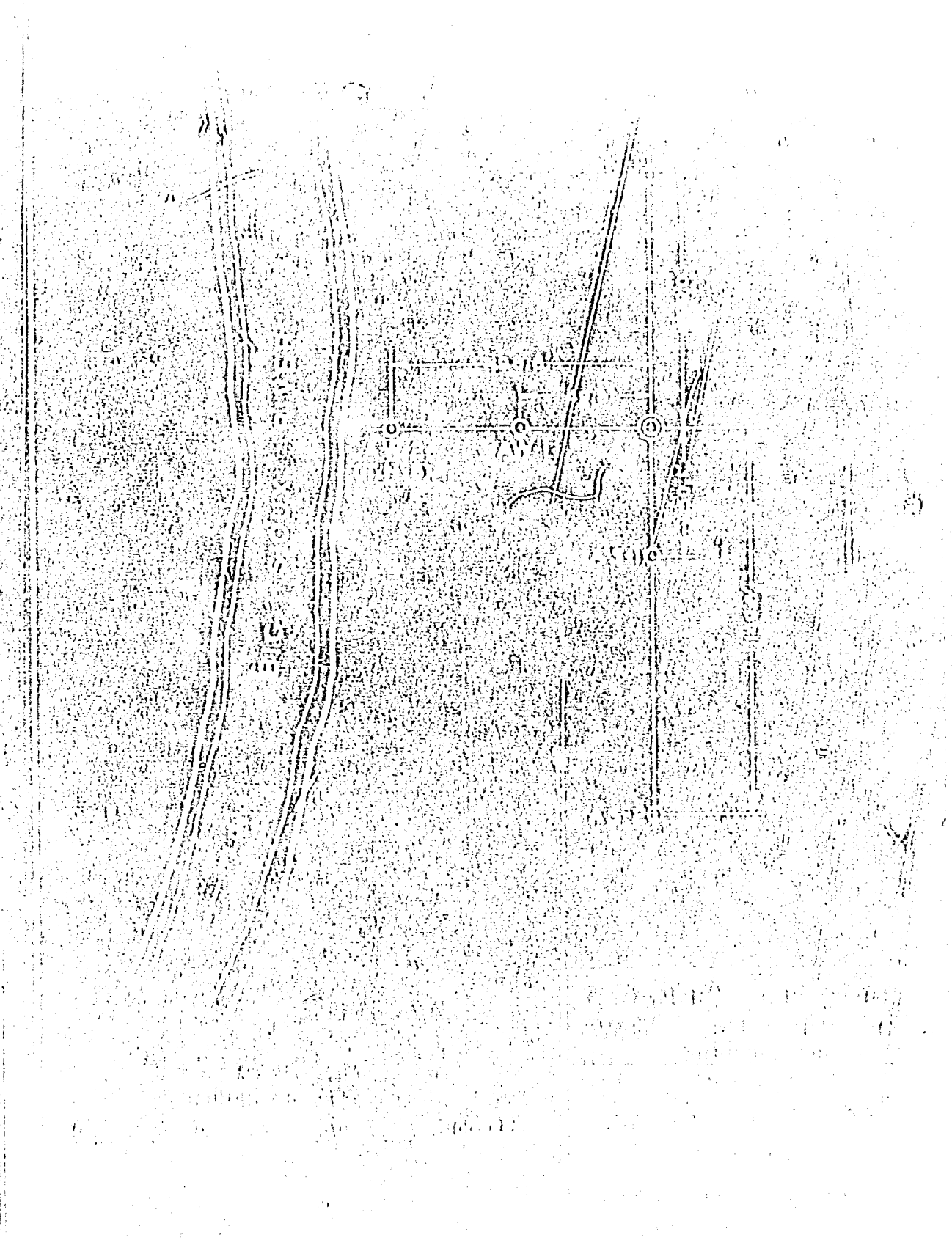
LEGEND

- | | | | |
|--|--------|--|----------|
| | GRAVEL | | SAND |
| | CLAY | | CONCRETE |

FLANTRY - MEANS OF
 WATER SUPPLYING IN
 THE DAM BODY
 THE FLANTRY IS A
 CONCRETE STRUCTURE
 WHICH IS USED FOR
 THE PURPOSE OF
 SUPPLYING WATER
 TO THE DAM BODY
 IN CASE OF
 EMERGENCY

DATE: 10/10/1957
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]

1. The purpose of this report is to provide a detailed description of the dam structure and its components. The dam is a gravity dam with a concrete core and a masonry shell. The core is made of concrete and is 10 feet thick. The shell is made of masonry and is 20 feet thick. The dam is 100 feet high and 1000 feet long. The upstream face is on the left and the downstream face is on the right. The dam is located in the state of [illegible]. The dam is owned by the [illegible] and is operated by the [illegible]. The dam is used for the purpose of [illegible]. The dam is a very important structure and its safety is of great importance. The dam is a very old structure and it has been in operation for many years. The dam is a very well-maintained structure and it is in good condition. The dam is a very important structure and its safety is of great importance. The dam is a very old structure and it has been in operation for many years. The dam is a very well-maintained structure and it is in good condition. The dam is a very important structure and its safety is of great importance. The dam is a very old structure and it has been in operation for many years. The dam is a very well-maintained structure and it is in good condition.



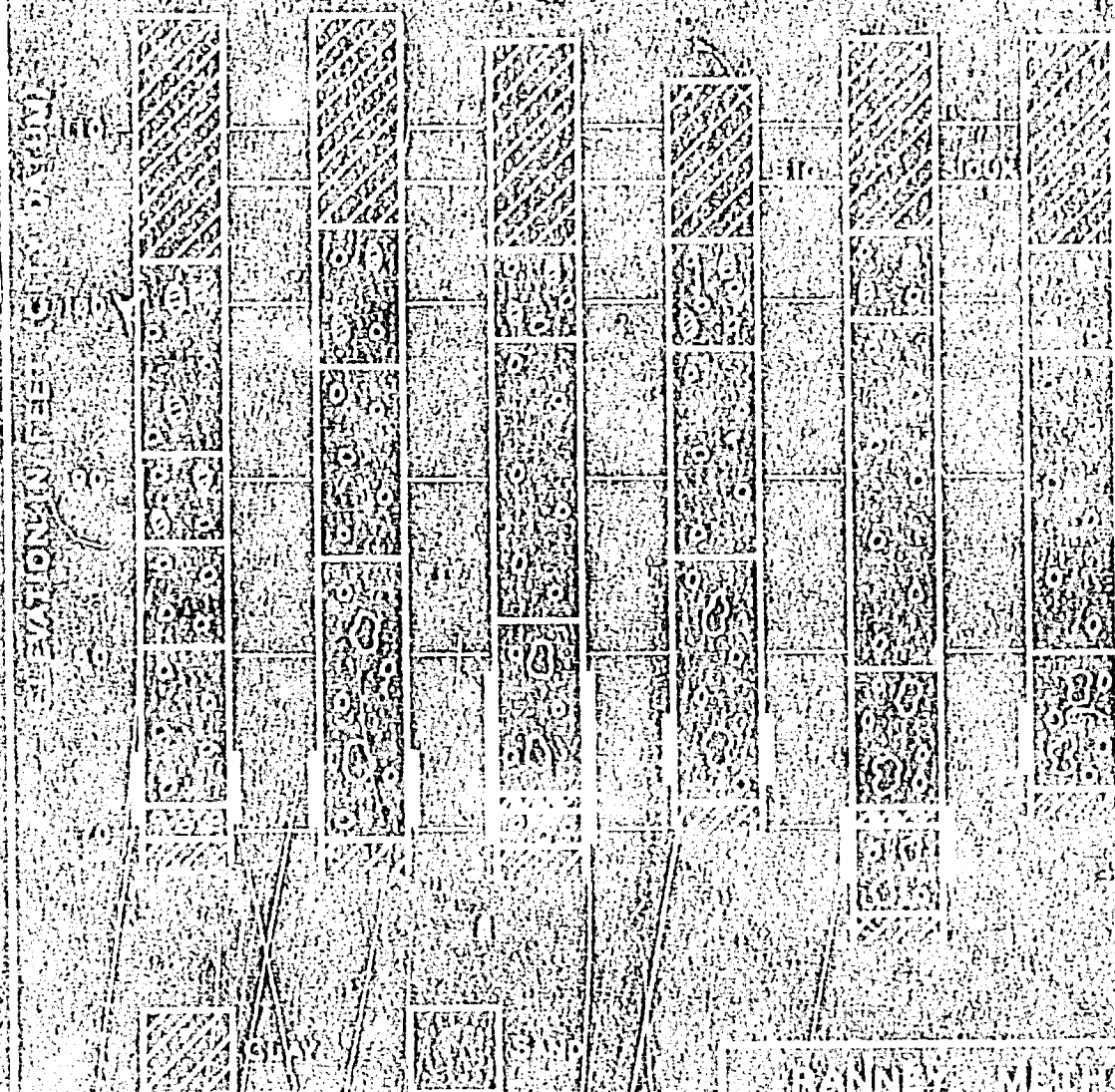
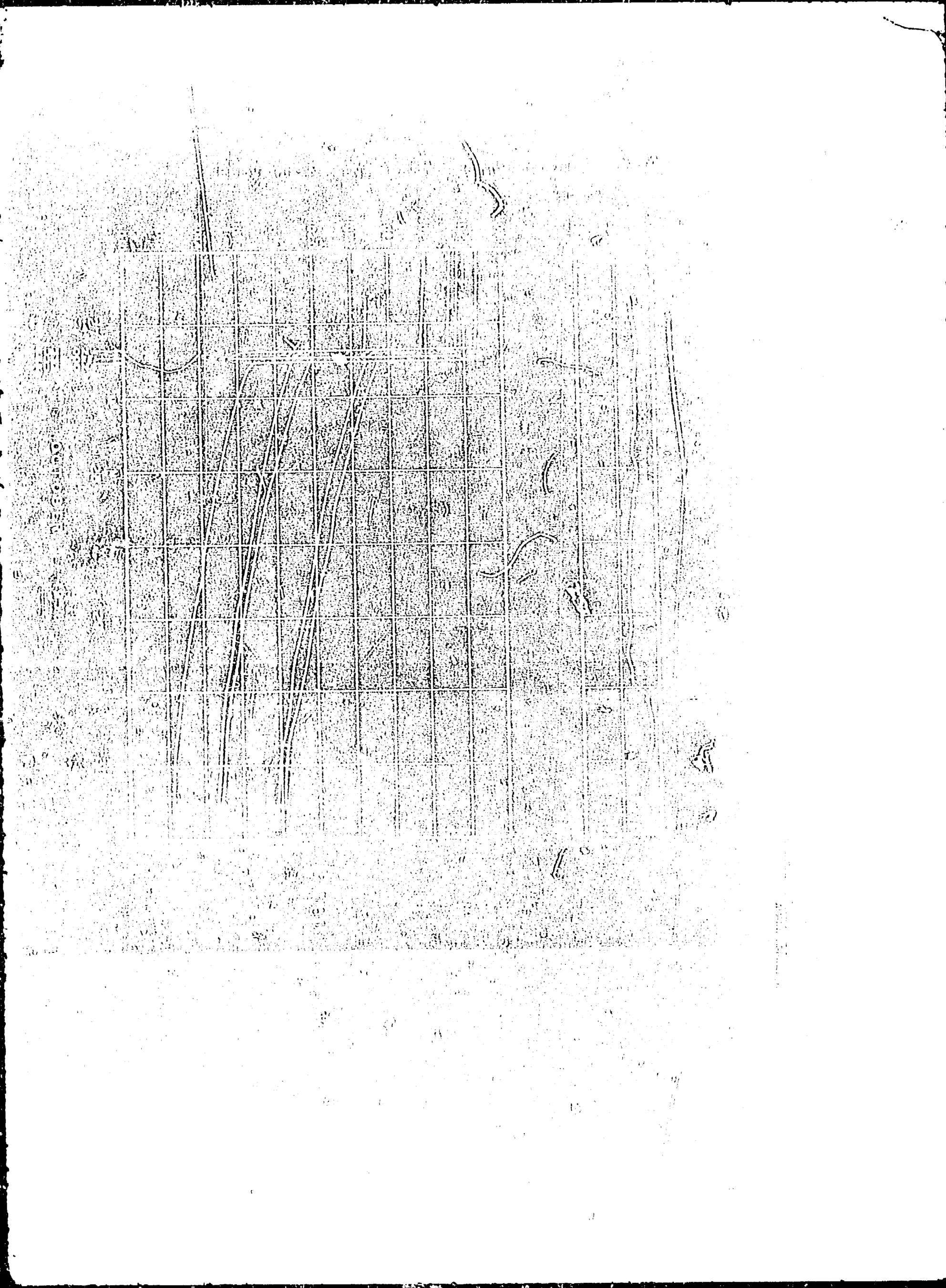
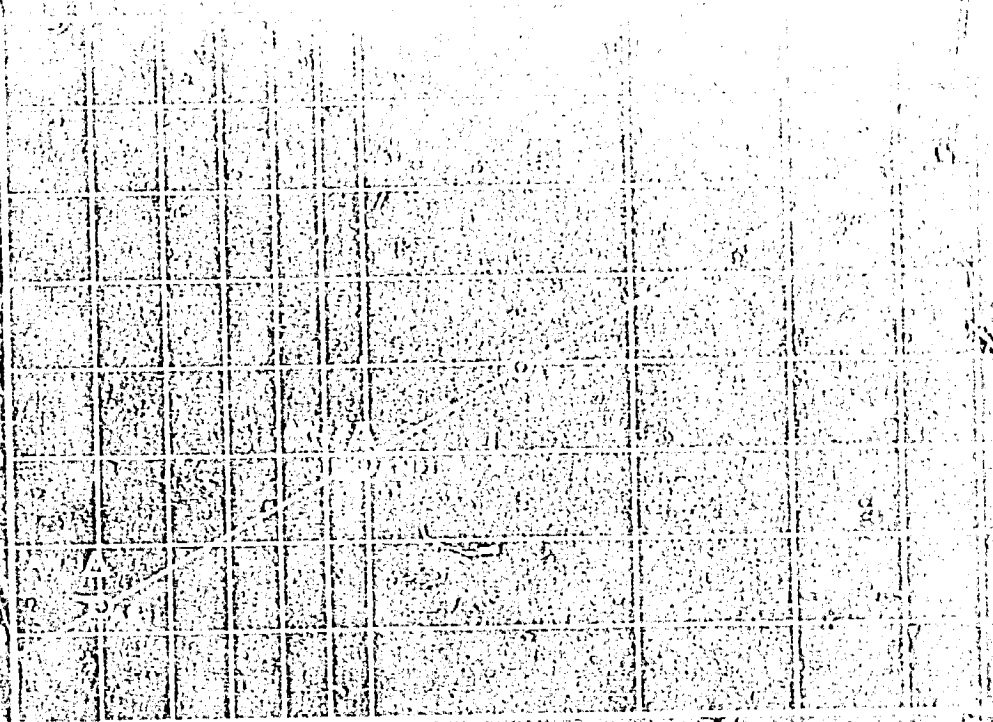
[illegible]

Table with multiple columns and rows, containing various entries and numbers. The table is heavily degraded and contains illegible text.



STANDARD MAP DOWN IN SET



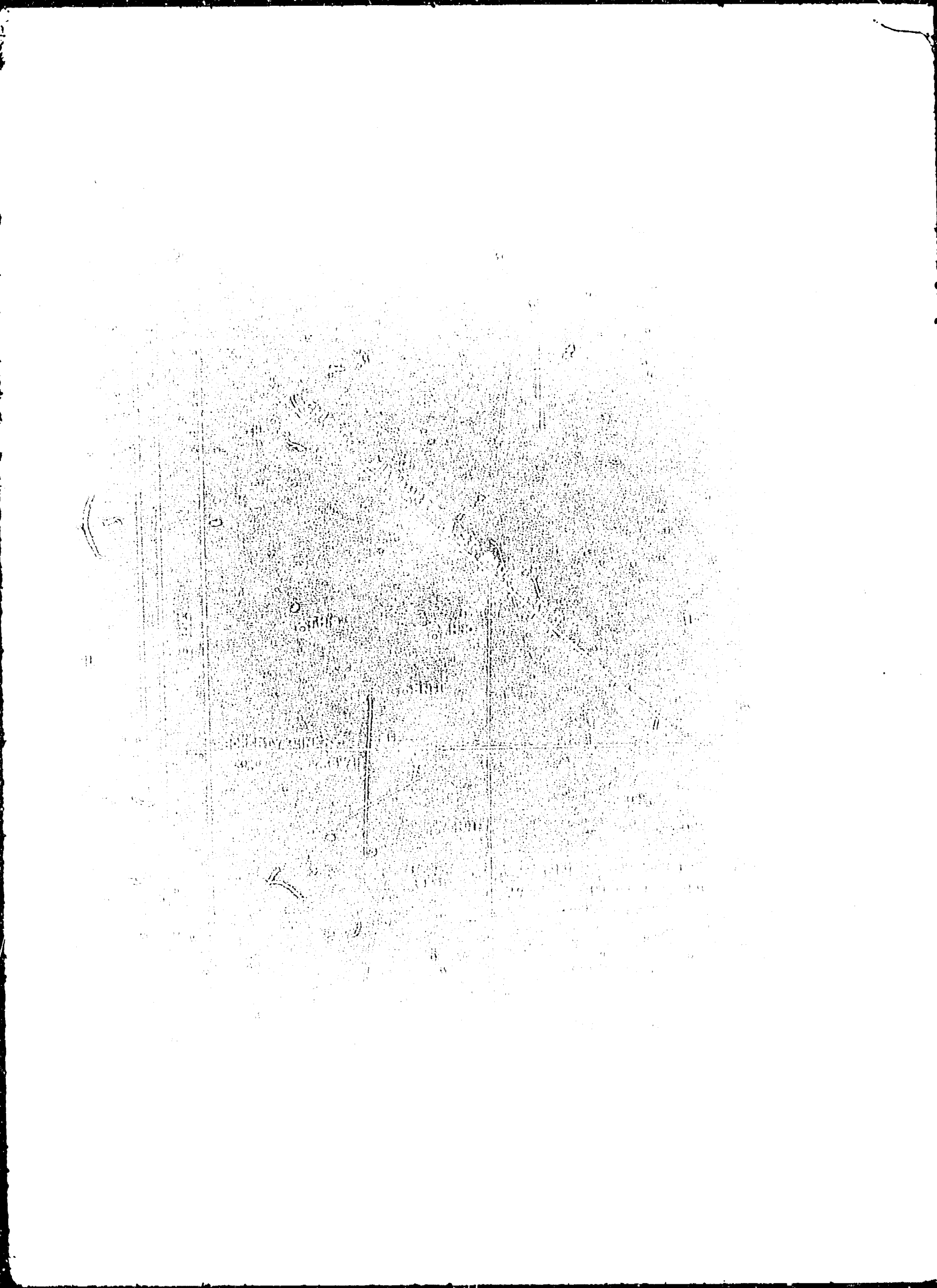
THE NEW YORK STATE

DEPARTMENT OF THE ENVIRONMENT
AND CONSERVATION
BUREAU OF LAND USE
AND PLANNING
DIVISION OF LAND USE
AND PLANNING
OFFICE OF THE ATTORNEY GENERAL

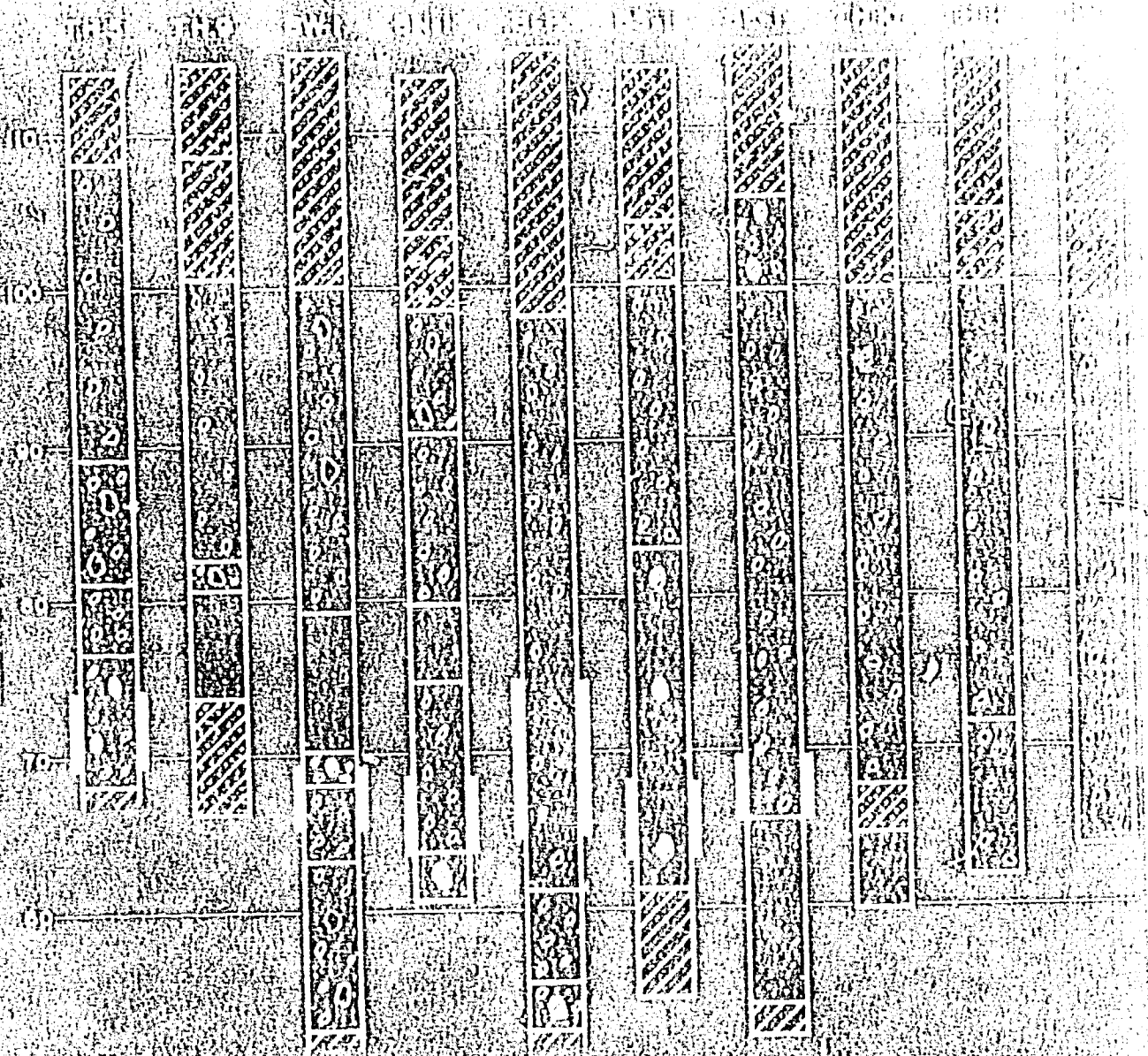
(OFFICE OF THE ATTORNEY GENERAL)

OFFICE OF THE ATTORNEY GENERAL

OFFICE OF THE ATTORNEY GENERAL



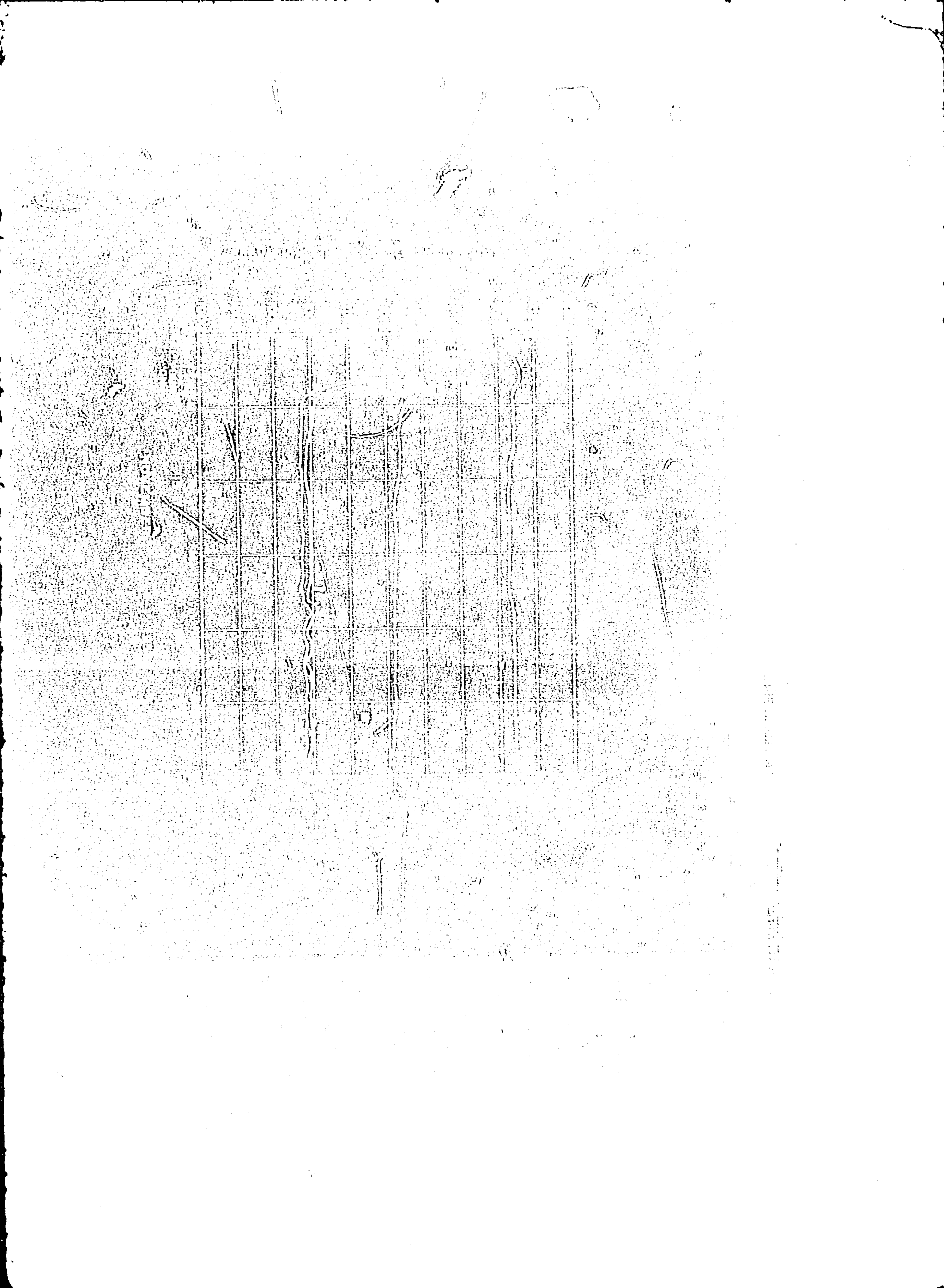
ELEVATION IN FEET (CITY DATUM)

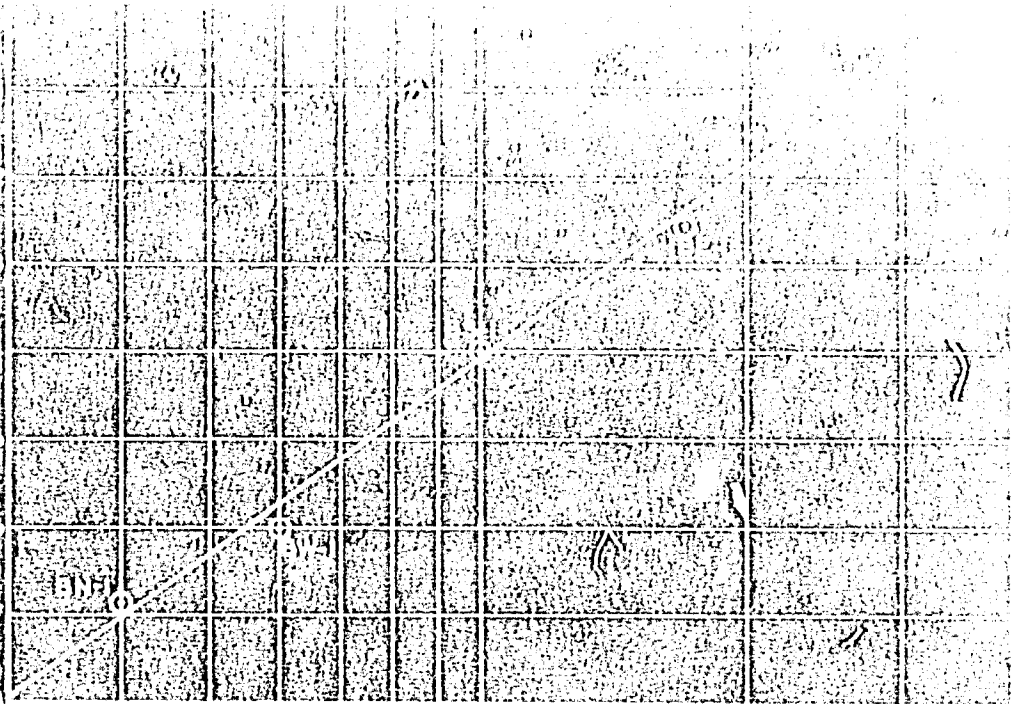


LEGEND

-  SAND
-  CONCRETE
-  GRAVEL
-  CEMENT
-  BRICK
-  GRAVEL

RANNEY METHOD
WATER SUPPLY, INC.
 COLUMBIA, OHIO
 QUANTITY FOR
 TANKS OF 100,000 GALLONS
 TANKS OF 50,000 GALLONS
 TANKS OF 25,000 GALLONS
 TANKS OF 10,000 GALLONS
 TANKS OF 5,000 GALLONS
 TANKS OF 2,500 GALLONS
 TANKS OF 1,000 GALLONS
 TANKS OF 500 GALLONS
 TANKS OF 250 GALLONS
 TANKS OF 100 GALLONS
 TANKS OF 50 GALLONS
 TANKS OF 25 GALLONS
 TANKS OF 10 GALLONS
 TANKS OF 5 GALLONS
 TANKS OF 2 GALLONS
 TANKS OF 1 GALLON





DOMINIC GOVERNMENT WERE IN 1964

RECEIVED

THE UNIVERSITY OF CHICAGO

1992年5月12日

061107Z APR 68 000000Z

[illegible]

1941-1942

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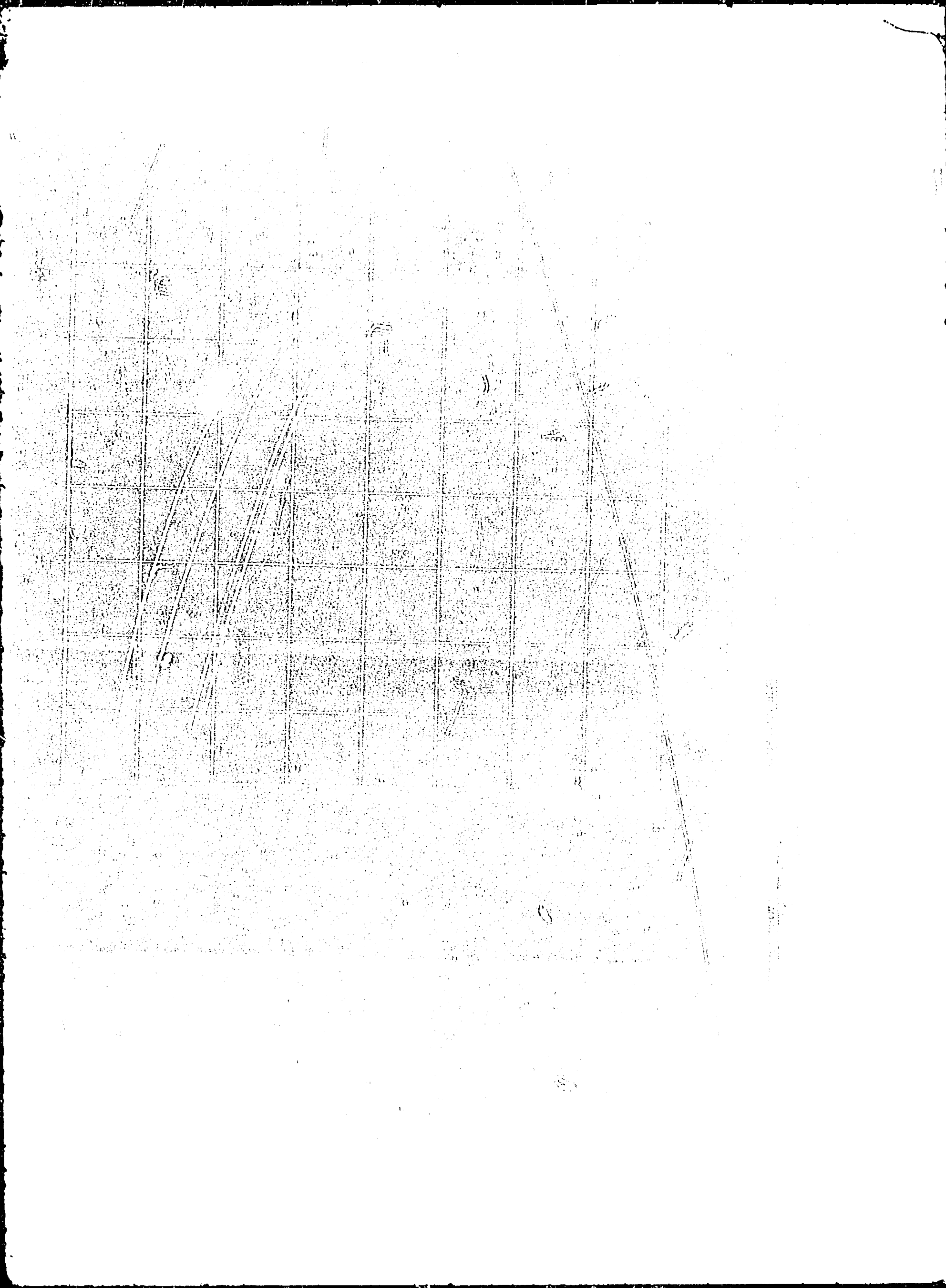
...and the fact that the *Journal* is a journal of the American Psychological Association, the largest and most influential organization in the field of psychology, adds to the journal's prestige and makes it a must-read for all psychologists.

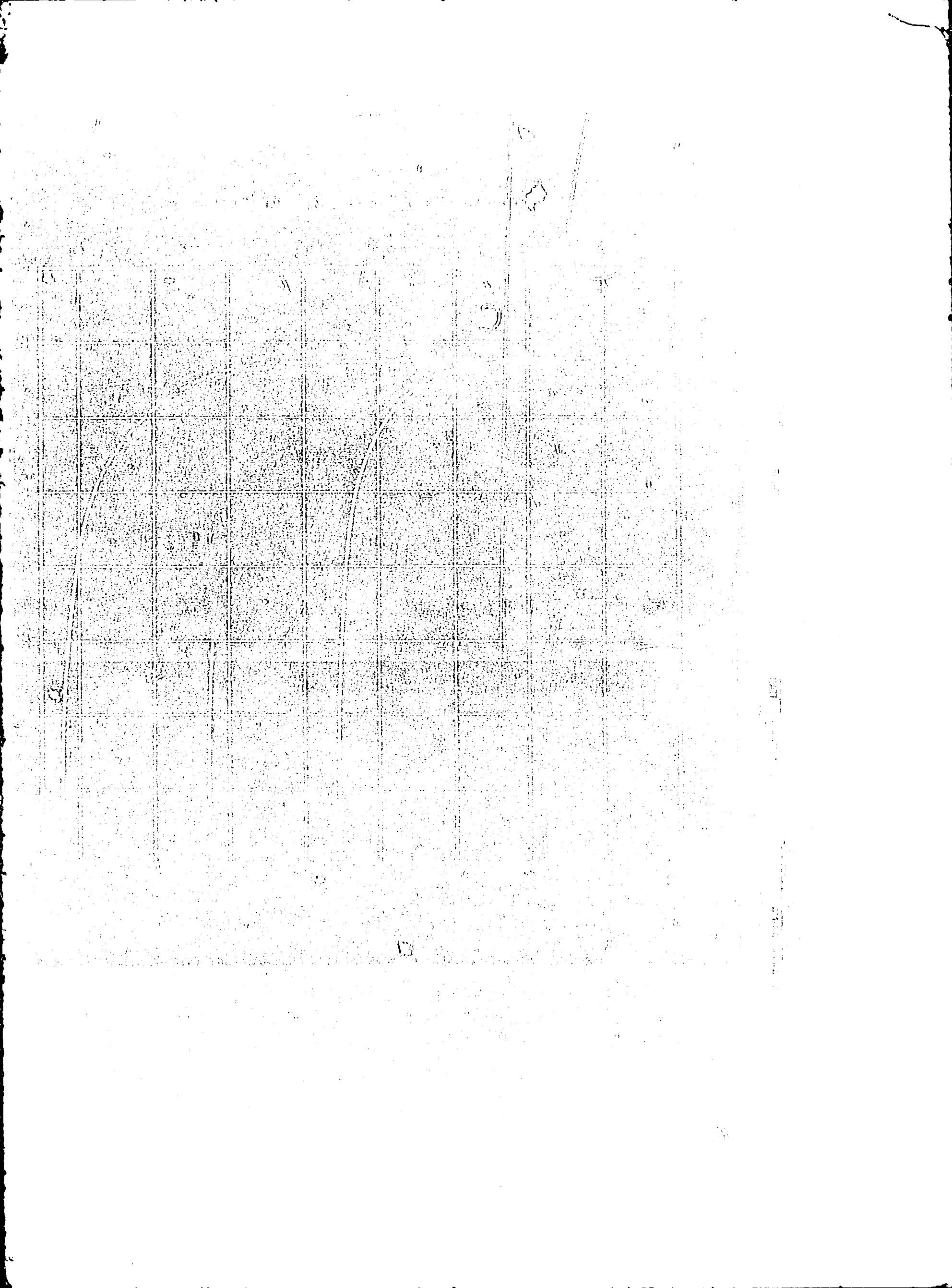
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299-3

City of Sioux Falls



**CITY OF SIOUX FALLS
PUBLIC WORKS**

Providing a Better Quality of Life for You!

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Sioux Falls, SD 57117-7402
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Sioux Falls, SD 57117-7402
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T: 605-367-8276 F: 367-4886

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Utility Maintenance
668 West Algonquin Street
P.O. Box 7402
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T: 605-367-7020 F: 367-7883

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2100 North Minnesota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-7025 F: 367-8475

Water Reclamation
4500 North Sycamore Avenue
Sioux Falls, SD 57104-9612
T: 605-367-8188 F: 367-8484

August 23, 2016

Eric Gronlund
Water Rights Program, DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Subject: Well Standby Status

Dear Mr. Gronlund,

The City of Sioux Falls has existing water rights to the Sioux Falls unit of the Big Sioux Aquifer. Water samples from a number of wells in the Big Sioux Aquifer were sampled, analyzed, and were found to have contaminants listed as Perfluoroalkyl substances or PFAS's. This man-made chemical has been used to keep food from sticking to cookware, to make sofas and carpets resistant to stains, to make clothes and mattresses more waterproof, and may also be used in some food packaging, as well as in some firefighting materials such as firefighting foam. Some products that use or used PFAS's include dental floss, non-stick cookware, microwave popcorn bags, pizza boxes, fast food wrappers, outdoor gear with durable water resistant coatings, shampoo, nail polish, facial moisturizers, and eye make-up. Drinking water is only one of many potential sources where a consumer may be exposed to PFAS's.

As a result of the sampling a total of 19 wells have been found to have PFAS contamination. These wells are located in an area south of 60th Street North, east of the Big Sioux River, west of the diversion channel. All wells impacted are within the boundaries of the Sioux Falls Regional Airport.

The Water Division is formally requesting support and approval from the Water Rights Chief Engineer to place the 19 contaminated wells in stand-by until further notice. At this time the Sioux Falls water plant does not have a treatment technology to remove the PFAS contamination from the source. The Water Division also does not have the means or methods required to remove the PFAS contamination from the Big Sioux Aquifer water. The Water Division is actively looking for options to respond to this challenge. At this time nothing has been identified.

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AUG 26 2016

**WATER RIGHTS
PROGRAM**

The Sioux Falls Water Division is asking to place the following wells and water rights in stand-by.

Well Number	Water Right	Well Number	Water Right
3	256-3	20	269-3
4	257-3	21	270-3
10	259-3	23	272-3
11	260-3	24	273-3
12	261-3	27	276-3
13	262-3	28	298-3
14	263-3	29	299-3 – 7363-3
15	264-3	64	5710-3
17	266-3	65	5710-3
18	267-3		

If you have any questions or comments please contact me at 605-373-6940

Sincerely,



Greg Anderson
Water Superintendent
Sioux Falls Water Division

RECEIVED

AUG 26 2016

WATER RIGHTS
PROGRAM



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

August 29, 2016

Greg Anderson, Water Superintendent
Sioux Falls Water Division
PO Box 7402
Sioux Falls SD 57117-7402

Dear Mr. Anderson:

The Department of Environment and Natural Resources (DENR) is in receipt of your letter dated August 23, 2016. The letter explains that 19 existing wells are to be placed on standby status due to contamination. The city intends for the wells to be held on standby until treatment technology becomes available to treat or remove the contaminant from the source.

Administrative Rule of South Dakota 74:02:01:37.02 found below provides for exceptions to the nonuse of water. This includes water supply maintained for standby purposes provided the water diversion works are maintained in working condition for immediate use upon demand.

74:02:01:37.02. Exceptions to nonuse of water. A water supply maintained for either fire protection or standby purposes, or both, is not nonuse of a water permit, right, or vested right if the water diversion works are maintained in working condition for immediate use upon demand. Works to divert appropriated water must include wells equipped with functional motors, pumps, and appurtenances to convey water or functional motors, pumps, and appurtenances to convey water from a surface source, as applicable. Wells that are capped, sealed, or plugged are not standby or fire protection works.

Your letter will be included in the administrative record for each water right associated with these wells.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us

File Nos. 7361-3, 7362-3, 7363-3, 5710-3, 1347-3, 299-3, 395-3, 396-3**Water Rights Program - DENR
Conversation File Documentation**

NAME OF PERSON OR FILE: Water Permits for city of Sioux Falls

ADDRESS: 2100 No Minnesota Avenue, Sioux Falls SD COUNTY: Minnehaha County

DATE: October 31, 2012 TELEPHONE:

RE: documentation of transfer of water rights

Water Permit Application Nos. 7361-3, 7362-3 and 7363-3 were approved to transfer either diversion rate authority from Water Right No 5710-3 or volume authority from Water Right No. 5710-3 or Water Right No. 1347-3 to the existing wells under Water Right Nos. 299-3, 395-3 and 396-3. This file documentation is intended to track the new quantity of water remaining in the various water rights.

The decrease in Water Right Nos. 5710-3 and 1347-3 is as follows:

Water Right ⇒	5710-3 (cfs)	5710-3 (ac-ft)		1347-3 (cfs)	1347-3 (ac-ft)
Amount prior to applications	8.47 cfs	3,220 ac-ft		5.913 cfs	4,282 ac-ft
7361-3	1.45 cfs	0		0	719 ac-ft
7362-3	1.45 cfs	0		0	719 ac-ft
7363-3	1.45 cfs	719 ac-ft		0	0
Amount Remaining after transfer	4.12 cfs	2,501 ac-ft		5.913 cfs	2,844 ac-ft

(continued)

Increases to diversion authority from wells authorized by Water Right Nos. 299-3, 395-3 and 396-3

Water Right ⇒	299-3(cfs) & 7363-3	299-3 (ac-ft)	395-3 (cfs) & 7362-3	395-3 (ac-ft)	396-3 (cfs) & 7361-3	396-3(ac-ft)
Amount prior to applications	3.12 cfs	2259 ac-ft	3.12 cfs	2259 ac-ft	3.12 cfs	2259 ac-ft
7361-3			1.45 cfs	719 ac-ft		
7362-3					1.45 cfs	719 ac-ft
7363-3	1.45 cfs	719 ac-ft				
Amount Authorized from wells	4.57 cfs	2,978 ac-ft	4.57 cfs	2,978 ac-ft	4.57 cfs	2,978 ac-ft

NAME: Eric Hunsley



299-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

SEP 06 2018

Greg Anderson
City of Sioux Falls
2100 N Minnesota Ave
Sioux Falls SD 57104

RE: Water Right Nos. 299-3, 395-3, 396-3, 1347-3, 5710-3, 7361-3, 7362-3 & 7363-3

Dear Mr. Anderson:

Enclosed are Water License Nos. 7361-3, 7362-3, 7363-3 and Reissued Water License No. 1347-3. They are the final water right documents completing the process of obtaining Water Rights. Included with the licenses for Nos. 7361-3, 7362-3 and 7363-3 are maps prepared by the staff engineer who conducted the field investigation.

Upon licensing, the applicable portions of Water Right Nos. 299-3, 395-3 and 396-3 were incorporated into Nos. 7361-3, 7362-3 and 7363-3 in their entirety. Portions of Nos. 1347-3 and 5710-3 were also incorporated into the licenses.

With respect to Water Right No. 5710-3, three of the wells are no longer in use and have been plugged. Our intent is to schedule that portion of the water right for cancellation consideration. Once the Board takes action, the water license will be reissued to reflect the remaining wells and associated diversion authority.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. As long as you use the water beneficially, as stated in the Water Licenses, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures