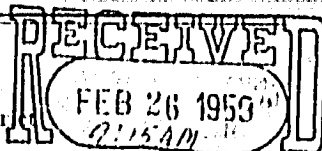


No. 578-3

Water Division No. 3 Kennebec River 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 Howard, South Dakota
Postoffice address Howard, County Miner, State South Dakota

I. If a 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

(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

- (b) Cash on hand, \$
- (c) Treasury stock, \$
- (d) Bonds to be issued, \$
- (e) Other resources, \$

2. Name of diversion work New Municipal Well "3"

3. Amount of water claimed 0.1067 cubic feet per second

4. Source of water supply underground aquifer

5. Location of point of diversion 202 feet S. 1/4 and 207 feet East

of the Ch. Cor. Sec 2, T106N, R55W on _____ bank _____ County.

6. Annual period or periods during which water is to be used throughout entire year

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 subdivisions 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 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.) In City of Howard municipal water

distribution system

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. 439-3

City of Howad, South Dakota
Log of New Well, 1957

	<u>Depths</u>	<u>Total Thickness of Formation</u>
Top soil	0'-3'	3'
Coarse sand	3'-18'	15'
Sandy clay	18'-170'	152'
Dirty sand	170'-175'	5'
Sand	175'-182'	7'
Clay	182'-184'	2'
Silty coarse sand	184'-198'	14'

8. Estimated cost of work:

(a) Head Gates, \$ _____ (b) Pumping plant, \$ 6000.00
 (c) Fluming, \$ _____ (d) Canal earth, \$ _____ Rock, \$ _____
 (e) Other structures _____ \$ _____ Total, \$ 6000.00

9. Description of diversion works:

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 _____ ac. Surface _____ at highwater 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 _____ completed years.

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

12. Choice of newspaper for publication of notice of intention to appropriate _____
Miner County Pioneer, Howard, South Dakota

STATE OF SOUTH DAKOTA
 County of Miner } ss.

I, Eber Tripp, Mayor of City of Unward, being first duly sworn or 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.

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 10" nominal , Depth 196'
Type of casing steel
(wood, concrete, steel, etc.)
Size of casing 10" , Thickness of casing 0.365" Schedule 40
Length of casing 170' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen Johnson Everdur, #13 slot
Size of perforated screen 10" 20'-nominal; 26'-actual
(diameter) (length)
Thickness of gravel pack None , length of gravel pack

(c) Water Bearing Materials

Distance to water 113' Character of water bearing materials
silty coarse sand - see attached log

Thickness of water bearing material 12'

(d) Pump and Motor

Type of pump submersible
(centrifugal, propeller, mixed flow, etc.)
Name of pump Berkeley , size 6"
Kind of motor Electric
(gasoline, electric, diesel, etc.)
Horsepower 10 , Name of Motor

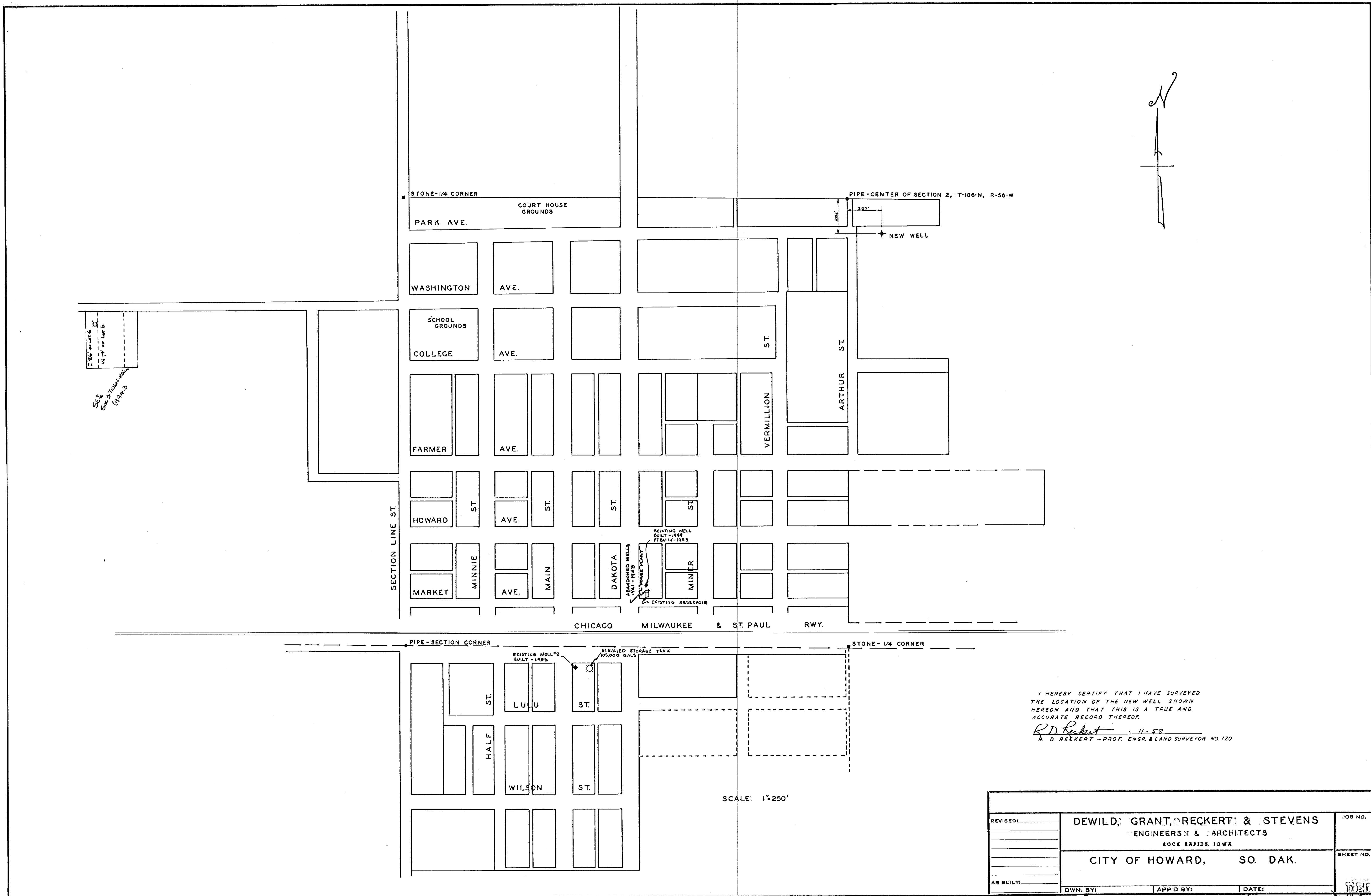
(e) Complete well

Capacity 75 g.p.m. at drawdown of 40 ft. Estimated cost

(f) Owner of land upon which well is located City of Howard
Name
Howard, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property rods. On property owned by others 160 rods

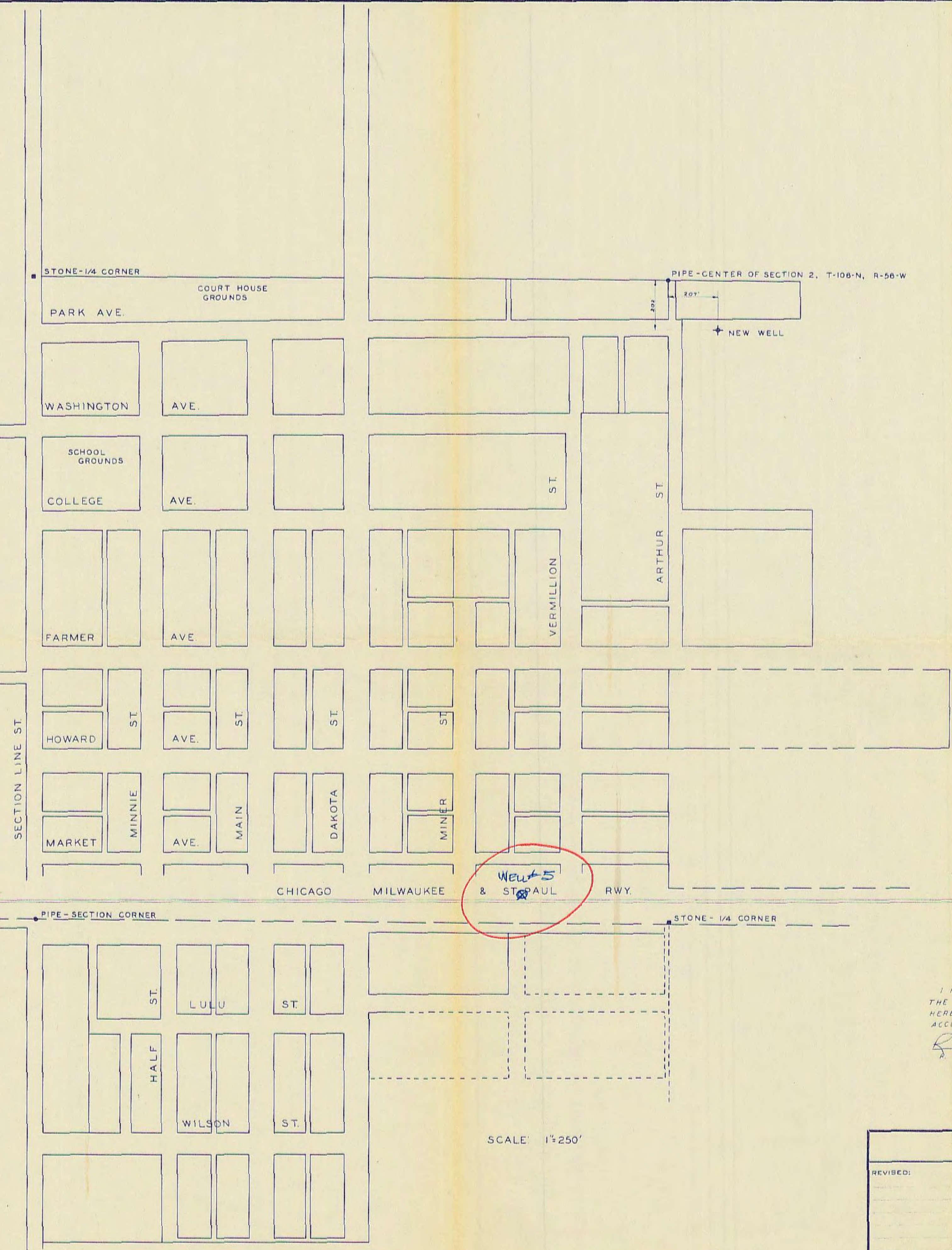


I HEREBY CERTIFY THAT I HAVE SURVEYED
THE LOCATION OF THE NEW WELL SHOWN
HEREON AND THAT THIS IS A TRUE AND
ACCURATE RECORD THEREOF.
R.D. Reckert - 11-58
R. D. RECKERT - PROF. ENGR. & LAND SURVEYOR NO. 720

REVISED:	DEWILD, GRANT, RECKERT & STEVENS ENGINEERS & ARCHITECTS ROCK RAPIDS, IOWA	JOB NO.
AS BUILT:		SHEET NO.
CITY OF HOWARD, SO. DAK.		
DWN. BY:	APP'D BY:	DATE:

Map No. 439-3 (Appl's No's 576-3, 577-3, & 578-3 & 994.3)

RECEIVED
FEB 24 1959
STATE WATER RESOURCES COM.
PIERRE, SOUTH DAKOTA



I HEREBY CERTIFY THAT I HAVE SURVEYED
THE LOCATION OF THE NEW WELL SHOWN
HEREON AND THAT THIS IS A TRUE AND
ACCURATE RECORD THEREOF.
R.D. Reckert 11-58
R. D. RECKERT - PROF. ENGR & LAND SURVEYOR NO 720

RECEIVED
-B 29 1959
STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

SCALE 1"=250'

REVISED:	DEWILD, GRANT, RECKERT & STEVENS ENGINEERS & ARCHITECTS ROCK RAPIDS, IOWA	JOB NO.
AS BUILT:	CITY OF HOWARD, SO. DAK.	SHEET NO.
OWN. BY:	APP'D BY:	DATE:

Map No. 439-3 (Appl's Nos 576-3, 577-3, & 578-3)

Remarks by State Water Resources Commission:

STATE OF SOUTH DAKOTA
County of Augusta ss.

Pierre, South Dakota, March 11, 1959

This is to certify that the foregoing application was received by the Commission at 9:15 o'clock
9 a.m. upon the 26 day of February, 1959

State Water Resources Commission

By:

W. O. Oliver
Chief Engineer, Executive Officer

Number of permit 578-3

Date of first receipt of application February 26, 1959

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

Date of receipt of corrected application April 14, 1959

Date from which applicant may claim right February 26, 1959

Approved June 17, 1959 Recorded in Book 5 Page 194

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

December 17, 1959

2nd. The whole of said work is to be completed on or before June 17, 1960

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

June 17, 1961

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 0.16 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 June 17, 1961; said water to be used during the following described annual period:

Continuously

Witness my hand this 18 day of August, 1959

State Water Resources Commission

By:

W. O. Oliver
Chief Engineer, Executive Officer

Certificate of Construction Issued April 14, 1961

Water License Issued April 14, 1961

STATE OF SOUTH DAKOTA

WATER LICENSE No. 578-3

WHEREAS, On the 26th day of February A. D. 1959
the City of Howard

County of Miner and State of
South Dakota duly made application (No. 578-3) to us for a permit to use .16
cubic feet per second of the waters of ground water
County of Miner, State of South Dakota, for municipal
purposes; and

WHEREAS, On the 18th day of August A. D. 1959
Permit No. 578-2 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 17th day of
June A. D. 1960 and for the application to beneficial use of said
water on or before the 17th day of June A. D. 1961
and,

WHEREAS, On the 18th day of May A. D. 1961
the holder of said permit duly made proof of the completion of adequate works for the diversion of .16
cubic feet per second of said waters, as evidenced by our Certificate No. 578-3
dated April 14, 1964 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use .16 cubic feet per second of water, with date of
priority of February 26, 1959 and

WHEREAS, On the 18th day of May A. D. 1961
proof was duly made of the application to beneficial use of .16 cubic feet per second of said water;
for municipal use in the City of Howard

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 Howard

~~xx~~ the holder and owner of said permit No. 57B-3
a water right, dating from February 26, 1959 to the use of .16
cubic feet per second of the waters of ground water
in the County of Miner and State of South Dakota, or so much thereof as may be
necessary for the purposes hereinafter mentioned, to be diverted at a point 202'S and 207'E of the
center of Section 2, T106N, R56W
and conducted ~~through 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 14th day of April A. D. Nineteen
Hundred and Sixty-Four

State Water Resources Commission

By:

J. W. GRIMES
Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Amt. _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

In Book _____ of _____ Page _____

Permit No. 578-3Water Division No. 3 Vermillion River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Howard

xx _____, County of Miner, and State of
South Dakota, the holder of Permit No. 578-3, Issued upon Application
 No. 578-3, bearing date of priority of February 26, 1959, authorizing the diversion of
.16 cu. ft. per second of the waters of ground water

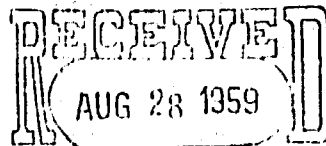
County of Miner, State of South Dakota, at a point 202'S and 207'E
of the center of Section 2, T106N, R56W

_____ for 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 .16 cu. ft.
 per second of water; and that the ~~uses proposed for the diversion of said water~~ use of said water are described as follows,
 to-wit: to be used for municipal purposes by the City of Howard.

Witness my hand this 14th day of April A. D. 1964

State Water Resources Commission

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



Permit No. 578-3

Water Division No. 3 Vermillion River Water District

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Notice of Application of Water to Beneficial Use

(This blank must be filled out by holder of permit and forwarded to the State Water Resources Commission at least sixty days before the time set for application of water.)

(P. O.) Howard, S. Dak.

(Date) August 27, 1959

TO THE STATE WATER RESOURCES COMMISSION OF SOUTH DAKOTA, PIERRE:

At your convenience.

DEAR SIR: Notice is hereby given that on the day of

19 59, at Howard County of Minn. State of South Dakota,

before proof will be submitted of the application to beneficial use
(Examining Engineer or Officer)

of 0.16 cubic feet per second of the waters of underground aquifer

in accordance with the terms and conditions of Permit No. 578-3

heretofore issued by the Water Resources Commission of South Dakota.

1. The name and postoffice address of the person or corporation holding said permit are

City of Howard

Howard, South Dakota

2. The use to which said water has been applied is domestic municipal use

3. The amount applied to beneficial use is 0.16

4. The place where said water is used is (If for irrigation, give full and accurate description of the lands irrigated) City of Howard Municipal water distribution system

5. The name of the canal or ditch or other works by which said water is conducted to such place of use is City water mains

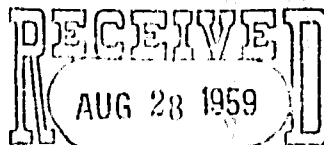
6. The right to take the water from such works is based upon permit No. 578-3

7. The source of supply from which such water is diverted is Well No. 3

8. The date of priority which said user is prepared to establish is February 26, 1959

City of Howard
(Sign) E. M. Kraft Mayor

Walter Engel (Auditor)



Permit No. 578-3

Water Division No. 3 Vermillion Water District

STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

NOTICE OF COMPLETION OF WORKS

This blank must be filled out by the holder of permit and forwarded to the Executive Officer at least 60 days before the time set for completion of works

(P. O.) HOWARD, SOUTH DAKOTA

(Date) August 27, 1959

TO THE STATE WATER RESOURCES COMMISSION
OF SOUTH DAKOTA, PIERRE:

DEAR SIR: Notice is hereby given of the completion of the works for the diversion of _____
0.16 _____ cu. ft. per second of the waters of the state from Municipal Well #3

through the _____
underground aquifer _____
for _____ domestic purposes for the City of Howard _____ purposes

_____ In accordance with the terms and conditions of a certain permit heretofore issued by the Water Resources Commission of the State of South Dakota.

1. The name of the person or corporation holding said permit is _____

City of Howard

2. The postoffice address of such person or the place of business of such corporation is _____
Howard
County of Miner State of South Dakota

3. The number of such permit is 578-3 and the date set for the completion of such work is _____

4. Said water to be used for _____ Domestic municipal purposes _____ purposes.

5. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conducting to the place of intended use, in accordance with the plans accompanying the application for such permit, is _____ 0.16 _____ cubic feet per second.

6. The amount of land for which said water is available is _____ acres,
particularly described as follows: _____

I hereby certify that the facts set forth in the above notice are true.

City of Howard

(Signature of Owners)

E. M. Trigg, Mayor

Arthur E. [unclear] (Auditor)

Permit No. 578-3Water Division No. 4VERMILLION
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 AUG 27
 1954, I have this day made a thorough examination of the diversion works constructed by CITY
OF HOWARD, of HOWARD
MINER County, South Dakota, holder of Permit No. 578-3, issued
 upon Application No. 578-3, bearing date of priority of FEB 54, 1954, authorizing the
 diversion of 1.667 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: 1. C. H. P. BEN KEELEY SUPERVISORIAL UNIT
MODEL 3 P 10 26 31 H C 270 3450

and the system is in the following condition: EXCELLENT

The point of diversion is located 202' SOUTH AND 207' EAST

of THE C&N CO. SEC 2 T14N R56W

The works are capable of diverting and conveying to the place of use 1.667 cu. ft. per second of water,
 which is to be used for

The legal sub-divisions to be irrigated are:

comprising a total of _____ acres of land.

The domestic use intended comprises ALL

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

Witness my hand, this 18 day of March

A. D. 1961

—SEAL—

Ed. H. H. H.
Examining Engineer.