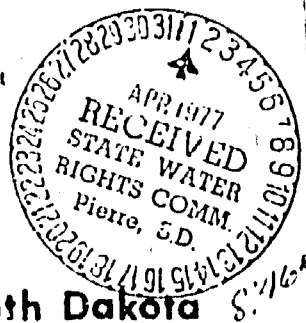


Water Right Number 3962-3

1. Considered 7-27, 1977
2. Name of Applicant NORTHWESTERN PUBLIC SERVICE Co.
3. Post Office Address ABERDEEN
4. Amount of Water claimed .03
5. Source of Water: supply 30' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 3.5
7. Water to be diverted and used in BROWN County
about 25 miles of ABERDEEN
8. Proof of Publication
Received 6-24-77
Not Received _____
Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
9. Application *See Letter*
10. Remarks:

No. 3462-3Map No. 3213-3 Water Division No. 3 JAMES RIVER District _____
(Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw line through items not applicable)

1. Name of Applicant Northwestern Public Service Company
 Postoffice address 400 N.W. Nat'l. Bank Bldg., Huron, State South Dakota 57350
 If a corporation show date and place of incorporation 1923 - State of Delaware
2. Method of accomplishing work (contract employment of others, or by direct labor) employment of others
3. Name of diversion work Siebrecht Substation wall
4. Amount of water claimed (cubic feet per second) .0334 CFS (15 gpm)
5. Source of water supply ground water - shallow well
6. Location of point of diversion Lot "A", Northwest Quarter of Section 36, Township 123N, Range 64W
 _____ County Brown
7. Annual period or periods during which water is to be used law & trees: Apr. thru Oct.; Restroom: all year
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) lawn, trees & restroom requirement
9. For irrigation use, well Total number of acres to be irrigated 3.5

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
Lot A in NW $\frac{1}{4}$ of Sec. 36,			
T 123N, R 64W, Brown County,			
South Dakota	3.5		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 6 mos. ~~xxx~~ Additional time required to complete application of water to the proposed beneficial use 1 month ~~xxx~~.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Aberdeen American News
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source

Shallow well, 24" CD casing, approximately 30' deep.

B. Works proposed to transport water to place of use.

Submersible pump in well

Buried pipe, 2" Schedule 40 PVC, Approx. 100' long

C. Works proposed to apply water to beneficial use.

Lavatory facilities and above ground sprinkling system (garden hoses, etc.)

Estimated Total Cost \$1,500.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of BEADLEI, Arthur Linderman, Manager - Electrical Production the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.Sig. Arthur LindermanSubscribed and sworn to before me this 30 day of March, 1977Wm. H. Peterson
Notary Public (or other qualified officer)My Commission expires June 2, 1984

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3962-3
NORTHWESTERN PUBLIC SERVICE CO. 622 N. N. NAT'L BANK BLDG. HURON
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57350 With the following modifications.
 (State)

Date of first receipt of application APRIL 1 19 77
 Date of return to applicant for correction, amendments or changes required — 19 —
 Date of receipt of corrected application MAY 31 19 77
 Approved JULY 28 19 77 Recorded in Book 19 Page 10

WATER RIGHT PERMIT NO. 3962-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3962-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

- The date from which applicant may claim right is APRIL 1 19 77
- The equivalent of at least one-fifth of the work above specified is to be completed on or before OCTOBER 28 19 77
- The whole of said work is to be completed on or before JANUARY 28 19 78
- The limit of time from proof of beneficial use of water appropriated in accordance herewith is FEBRUARY 28 19 78
- The water appropriated shall be used for the purpose of IRRIGATION - REST ROOMS
- 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.
- The amount of the appropriation herein granted shall not exceed .03 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses reserved, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventh (1/7) 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 FEBRUARY 28 19 78; said water to be used during the following described annual period: IRRIGATION - APRIL THRU OCTOBER - SANITARY - CONTINUED

Witness my hand this 5TH day of AUGUST 19 77

WATER RIGHTS COMMISSION

By:

John H. Hark
 Chief Engineer, Executive Officer

Certificate of Construction Issued APRIL 5 19 77

Water License Issued APRIL 5 19 79

PROJECT PROPOSED GAS TURBINE FACILITIES, ABERDEEN, SD										Page 11	
LOG OF TEST BORING NO. 1		ELEVATION AT SURFACE 1294.5'		VERTICAL SCALE 1"=3'		REPORT 579					
DEPTH IN FEET	CLASSIFICATION OF SOIL ASTM D2487		SAMPLE				LABORATORY TESTS				
	DESCRIPTION	GROUP	NO.	TYPE	N	VL	W	D	LL/PL	QU	OTHER
0	CLAYEY SILT: 100% fines, low plasticity, very dark grayish brown, dry, medium stiff	ML	1	SB	8						
2	CLAYEY SILT: 100% fines, low plasticity, dark brown, moist, medium stiff	ML	2	SB	7						
6	SILTY CLAY: 100% fines, medium plasticity, yellowish brown & reddish brown mottled, moist to wet, medium stiff, dense of mostly medium grained sand at 8.5'	CL-ML	3	SB	7						
			4	SB	8				43/26		
10	CLAYEY SILT: 100% fines, low plasticity, dark yellowish brown & gray mottled, wet, soft		5	SB	4						
12		ML	6	SB	5						Water Level
14.5	SILTY CLAY: 100% fines, high plasticity, very dark gray, wet, medium stiff	CH	7	SB	6						
17	SAND: 1-5% gravel. 90-98% mostly medium grained sand, 1-5% fines, grayish brown, wet to about 18.5' then saturated, medium dense	SP									Top of Water Bearing Material
	Water Bearing Material						4'				
21	CLAY: 1-10% gravel, 5-10% sand, 80-94% fines, medium plasticity, very dark gray, very stiff	CL	8	SB	13						Bottom of Water Bearing Material
			9	SB	17						
23.5	Continued on following page										

COPY

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

2. Principal Feature of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 36", Depth 30 feet
- (2) Casing, Type concrete Diameter 24" OD Thickness 3"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type NA, Diameter -, Length -
- (4) Gravel Pack, Thickness 6" around casing, Length of gravel pack 26'

E. Dugout Information or Estimates.

- (1) Surface dimensions NA, Depth -

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials see attached log of test boring

Depth to top of water bearing material see log

Depth to bottom of water bearing material see log

Thickness of water bearing material see log

Depth to water (ground surface to water level) see log

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property NA ft. On property owned by others 52 ft.

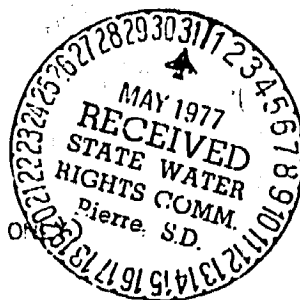
G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Arthur G. Anderson
Signature of Applicant

MISSION
FORM W1 #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ON)



NAME Northwestern Public Service Company, General Office
ADDRESS 400 Northwestern National Bank Building, Huron, South Dakota 57350
COUNTY Beadle (Area to be irrigated is in Brown County)

LEGAL DESCRIPTION

1. WELL LOCATION Lot "A", NW $\frac{1}{4}$, S 36, T 123N, R 64W, Brown County
2. LOCATION OF AREA TO BE IRRIGATED None - well to be used for restroom, lawn & trees.

TYPE OF IRRIGATION

3. GRAVITY NA TOWLINE NA CENTER PIVOT NA GUN NA
4. CROPS TO BE IRRIGATED NA

WATER QUALITY

5. SAMPLE NUMBER 77-523
6. SALINITY (EC X 10⁶) 30.14 Very high
7. SODIUM (SAR) 3.52
8. RESIDUAL SODIUM CARBONATE (meq/l.)

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
the soils information has been acquired from South Brown Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true
and correct.

Arthur Linderman
APPLICANT'S SIGNATURE

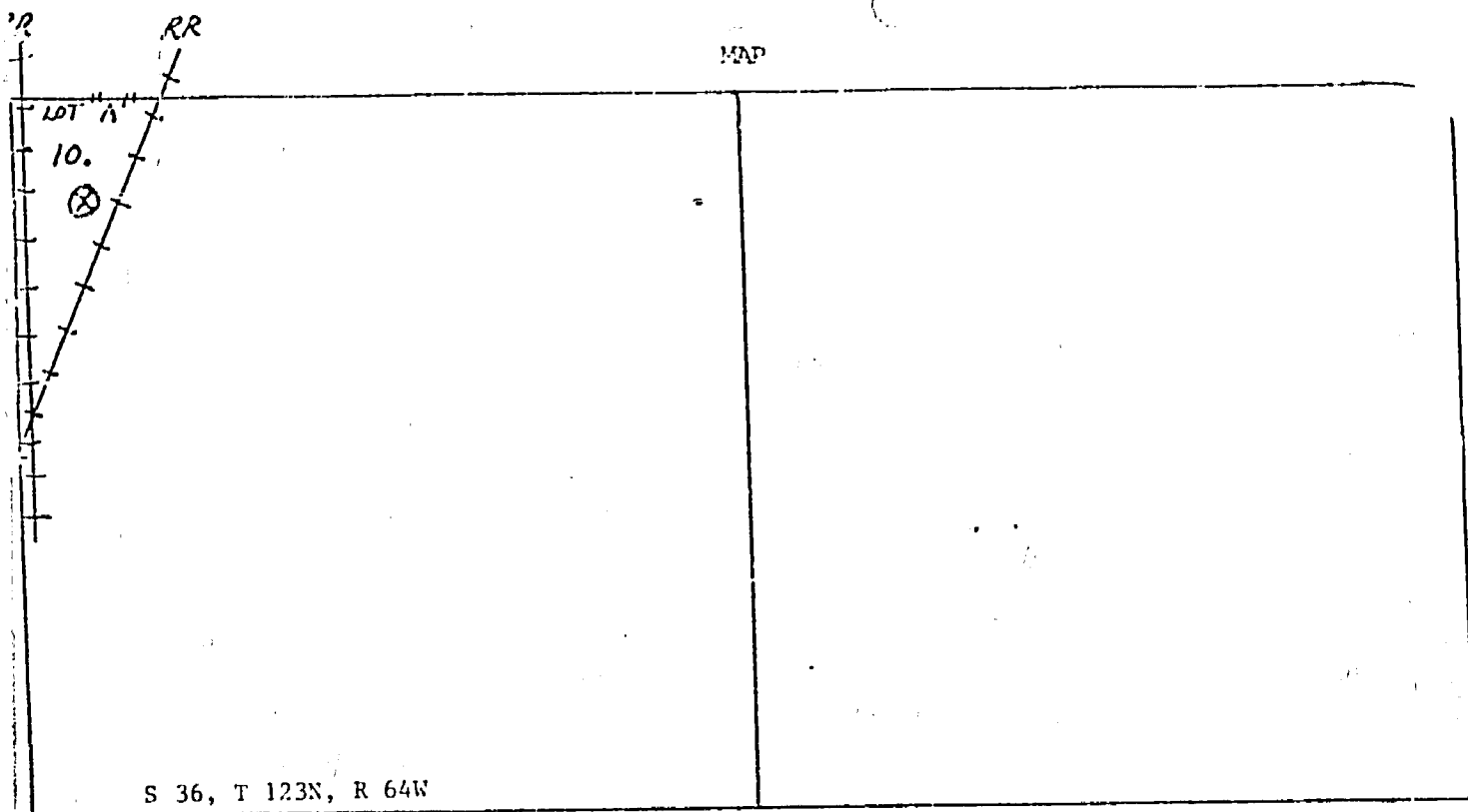
Arthur Linderman, Manager - Electrical Production

SUBSCRIBED AND SWORN BEFORE ME THIS
DAY OF May 19 77.

Albert L. Hoff
(TITLE OR SEAL)

Albert L. Hoff
APPROVED

(SOILS INFORMATION ON REVERSE SIDE)



NARRATIVE

10. Aberdeen/Nahon

S/C/Loan

ABN III S1
NAH IV S2

NOTE: An application (Forms 2 and 2A) for new water rights has been made to the Water Rights Commission in Pierre. Also a sample of the water has been sent to the State Health Lab in Pierre to determine suitability for human consumption.

Richard J. Green
Production Engineer, W&PS

REPORT OF ANALYSIS
 Water Quality Laboratory
 Water Resources Research Institute
 South Dakota State University
 Brookings, South Dakota 57006

Submitted by: Northwestern Public Service Date Rec'd: March 30, 1977
 Address: Production Dep't. Sample No. 77-523
400 NW National Bank Bldg. Identification Soil test borehole-18'
Huron, SD 57350 1/4 Sec. 36, T 123N, R 64E

WATER ANALYSIS

Calcium (Ca)	464	ppm*	23.20	me/l**
Magnesium (Mg)	29	ppm	2.36	me/l
Sodium (Na)	239	ppm	12.57	me/l
Potassium (K)	12	ppm	0.31	me/l
Sulfate (SO ₄)	1300	ppm	27.04	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	298	ppm	8.33	me/l
Bicarbonate (HCO ₃)	376	ppm	6.16	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	300	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	3044	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	3.52			
Sodium	32.70	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.20			
Others:				

*ppm=parts per million

**me/l=inillequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 38.44 me/l
 Total anions 41.53 me/l

By: Shirley Litten

Service Performed

Amount Due

Irrigation analysis

\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-523

Amount Enclosed \$

Signed

WATER LICENSE NO. 3962-3

(1) WHEREAS, On the 1st day of April A. D. 19 77

Northwestern Public Service Co.

made Water Right Application No. 3962-3 for a permit to use .03 cubic feet per second of the waters of ground water

County of Brown State of South Dakota, for Irrigation & Sanitation

purpose; and

(2) WHEREAS, On the 5th day of August A. D. 19 77

Permit No. 3962-3 with a date of priority of April 1, 1977

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 28th day of January A. D. 19 78 and for the application to beneficial use of said water on or before the 28th day of February A. D. 19 78

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert .03 cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent.

for irrigating 3.5 acres in Lot A, NW1, Section 36, T123N, R64W

(5) 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 Northwestern Public Service Co.

_____ of Huron
the holder _____ and owner _____ of said permit No. 3962-3 a water right, dating from April 1, 1977
_____ to use of .03 cubic feet per second of the waters
of ground water

in the County of Brown and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point 600'S and 400'E of the NW corner
Section 36, T123N, R64W

and conduct to and upon 3.5 acres in Lot A, NW 1/4, Section 36, T123N, R64W

for the purpose of Irrigation and sanitation

Subject to any limitations listed in Water Right Permit No. 3932-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 5th day of April A. D.
Nineteen Hundred and seventy-nine

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer JOHN HATCH

Permit No. 3962-3

Water Diversion No. 3 James River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Northwestern Public Service Co.

the holder

Permit No. 3962-3, issued upon Application No. 3962-3, bearing date of priority of

April 1, 1977 authorizing the diversion of .03 cu. ft. per second of the waters of

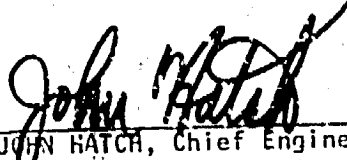
ground water County of Brown, State of South Dakota at

a point 600'S and 400'E of the NW corner, Section 36, T123N, R64W

for Irrigation and sanitation

purpose, has 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 .03 cu. ft. per second of water.

Date April 5, 1979


JOHN HATCH, Chief Engineer
Water Rights Commission

Publish first publication, on or before July 14, 1977NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

June 9, 1977Northwestern Public Service Company

Notice is hereby given that _____ whose

post office address is Huron, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, ~~Future Use 46-5-50, Temporary Permit 46-5-20, 46-5-40~~; Ground Water 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, ~~Future Use 52:01:01:21~~

thru 52:01:01:24, for a permit to appropriate for beneficial use 0.0334 cubic feetof water per second of time from ~~the~~ ground water throughthe Siebrecht Substation Well, the point of diversion of which is

to be located in the _____

NW 1/4 NW 1/4of Section 36, Twp. 123N, Range 64W. Said water is for the purpose of providing irrigation on portions of the following described:NW 1/4 NW 1/4, Section 36, T123N, R64W; said water to be used also for restroom facilitiesThis Application No. 3962-3 will be considered by the Water Rights Commission

at ~~their Office at Pierre~~ the Staurulita Inn, Brookings, S.D. on the 27th day of July, 1977, at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

WATER RIGHTS COMMISSION

JAMES WINTERSTON

Water Rights Specialist

NORTHWESTERN PUBLIC SERVICE COMPANY, 100 NW Nat'l Bank Bldg, Huron, S.D. 57350

No. 3962-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brown) ss.

I, Dianne Brenden hereby

certify that the annexed printed copy of Notice of Intent to Appropriate Water was taken from the Aberdeen American News

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 Aberdeen of

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

June 16, 1977

June 23, 1977

Dianne Brenden
(Signature)

Principal Clerk
(Title)

June 23, 1977
(Date Signed)

(No. 430—June 16-23-27)
**NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER**
Notice is hereby given that Nor-
wester Public Service Company
whose post office address is Huron,
South Dakota, has made an ap-
plication in accordance with the
provisions of SDCL 46-1-1 thru 46-1-11;
46-2-1 thru 46-2-11; 46-3-1 thru 46-3-11;
46-4-1, 46-4-2 thru 46-4-11; 46-5-1;
Ground Water 46-6-1, 46-6-2, 46-6-3, 46-6-4, 46-6-5;
46-7-1, 46-7-2, 46-7-3 and Commission
Rules ARSD 31:01:01 thru
31:01:12, for a permit to ap-
propriate for beneficial use 0.0334
cubic feet of water per second of
time from ground water through the
Sibley Substation Well, the point
of diversion of which is to be located
in the NW 1/4 NW 1/4 of Sect 13, Twp.
123N, Range 64W. Said water to be
used for the purpose of providing
irrigation on portions of the
following described land: N 1/4
NW 1/4, Section 36, T123N, R64W; said
water to be used also for restroom
facilities.
This Application No 3962-3 will be
considered by the Water Rights
Commission at the Huron Inn,
Huron, S.D. upon the 27th day of
June, 1977, at 10 A.M. The Com-
mission is authorized to make a
determination in this application at
the hearing. All interested persons
may appear and be heard. Any
person who may be affected by a
Commission decision who desires to
present evidence or cross examine
witnesses according to SDCL 46-1-24
may notify the Commission in
writing prior to the hearing or orally
at the hearing.
WATER RIGHTS COMMISSION
James Winterlon
Water Rights Specialist.



39623 N.W. Public Service Co. (Brooming)

8-1-18 Well 26 ft deep, 11 ft to water
J. C. Cuzzi - Pumping

7 K.M. 2 - A-5/A

6 E 7064393, one H.P.

Pumping 14 gpm.

Water from 100 ft deep. That may be needed

J. C. Cuzzi

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6751

PIERRE, February 1, 1979

RECEIVED OF Northwestern Public Service Co., Huron SD 57350

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____		
Fee for inspecting Construction, and issuing Cert. of Construction No. 3962-5)	50	00
Fee for inspecting Beneficial Use, and issuing Water License No. 3962-3)		
Fee for issuing Location Certificate-Dry Draw, No. _____		
Fee for filing _____		
Fee for certified copy of _____		
Fee for Print copy of map _____		
Fee for Certifying _____		
Fee for _____ (any other work as provided by law)		
TOTAL	50	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH kJW

Permit No. 3962-3Water Division 3 James River Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by Northwestern Public Service Co. of Huron, South Dakota 57356 holderof Permit No. 3962-3, bearing date of priority of April 1, 1977authorizing the diversion of .03 cu. ft. per second of the waters of One Wellfor Irrigation & Rest Rooms purposes, in Brown County.

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

The Water Use System consists of,

A. Works used to divert the water:

1 HP Jacuzzi Pump #IRM 2-A-S/A
Ser # 6E7364393
Pumping 14 gpm

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

Garden Hoses. Pipes To Rest Rooms

C. Works used to apply water to beneficial use.

Rest Rooms.Hose Sprinklers for Lawn & TreesThe system is in the following condition: GoodThe point of diversion is located 600 ft. S and 400 ft E of the NW Corner
of Section 36, T123N R64W.The works are capable of diverting and conveying to the place of use .03cu. ft. per second of water which is to be used for Irrigation and sanitation

Water has been put to beneficial use to the maximum extent as follows:

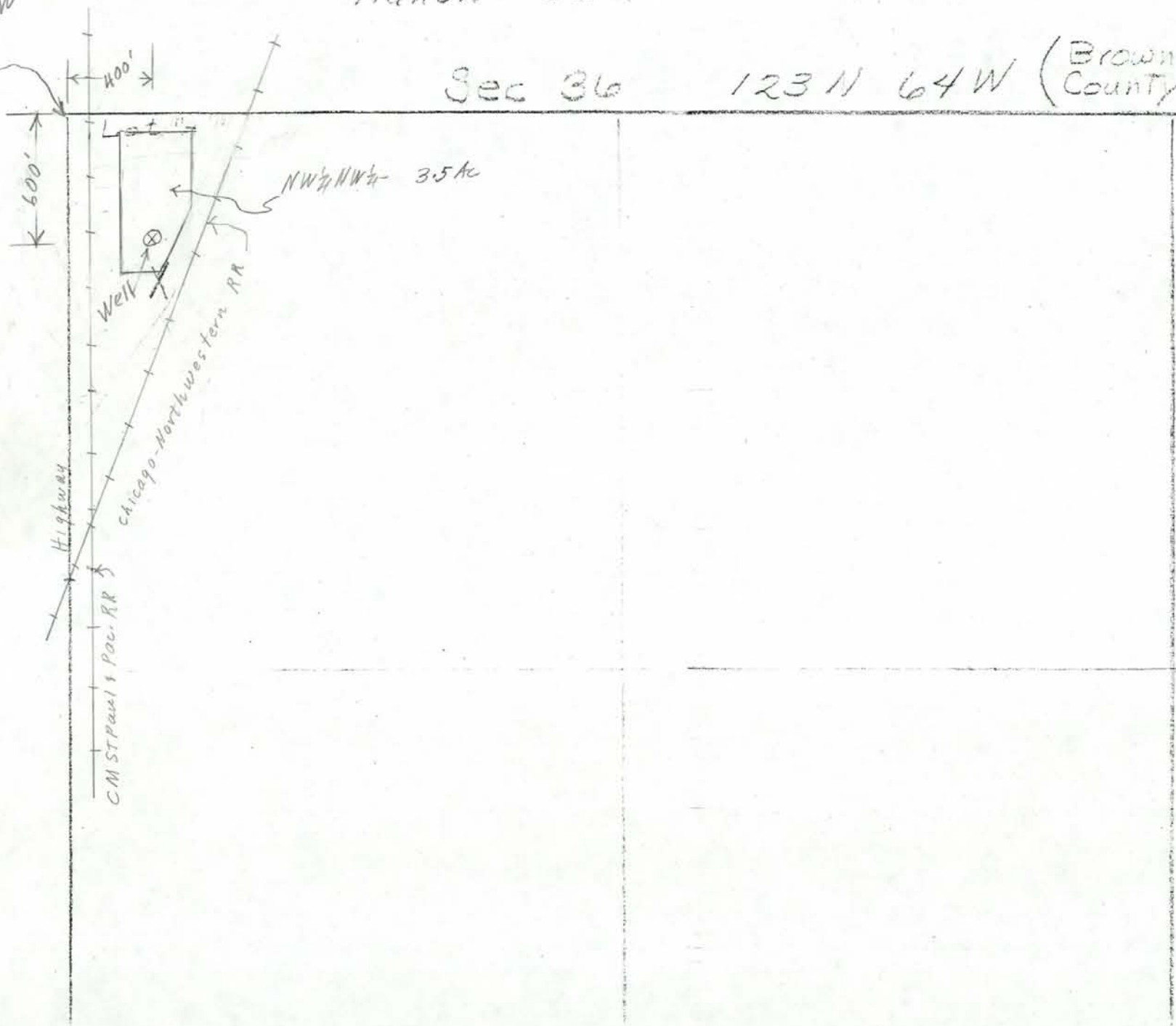
Lot A in NW 1/4 of Section 36, T123N R64W. 3.5 Accomprising a total of 3.5 acres of landWell depth - 26 ftStatic - 11 ftPumping - 14 gpmLicense fee .03
Amount allowed on permitDate January 26, 1979
Leroy J. McLaughlin
(Signature)

NW Corner of Sec. 36

NORTHWEST PUB. & SERVICE Company
HURON SDR

prepared by:
Nancy Fletcher
Beadle Co Asst
Ext. Agent

Sec 36 123 N 64 W (Brown County)



X proposed well
LOCATION

Scale 1"=660'

COPY

~~MAP NO. 3962-3~~ APP. NO. 3962-3