

Water Right Number 4047-33

1. Considered 7-27, 19 77

2. Name of Applicant CITY OF CLARK

3. Post Office Address _____

4. Amount of Water claimed 1.33

5. Source of Water supply 4 WELLS 32' TO 43'

6. Water to be used for MUNICIPAL

Acres to be irrigated _____

7. Water to be diverted and used in CLARK County

about IN CITY LIMITS miles _____ of _____

8. Proof of Publication Received SEP 8-1-77

Not Received _____

9. Application Approved _____

Subject to _____

Not Approved _____

Action Deferred _____

10. Remarks:

No. 4047-3
 Map No. 3289-3 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 a line through items not applicable)

1. Name of Applicant City of Clark
 P. O. Office address Clark, State South Dakota
 Incorporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) _____
3. Name of diversion work City wells
4. Amount of water claimed (cubic feet per second) 1.33
5. Source of water supply water wells
6. Location of point of diversion _____
3 wells in City park, lot 14, Block 17, 1st. Railway
S²SW⁴ Sec 6, T116N, R27W addition to Clark County Clark
7. Annual period or periods during which water is to be used continuous
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal
9. ~~XXXXXXXXXX~~ XXXXXXXXXXXXXXXXXXXX

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.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system completed years. Additional time required to complete application of water to the proposed Beneficial use completed years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Clark Co. Courier
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Wells pumps & motors.

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

Main

C. Works proposed to apply water to beneficial use.

673 Hookups

Estimated Total Cost \$ _____

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

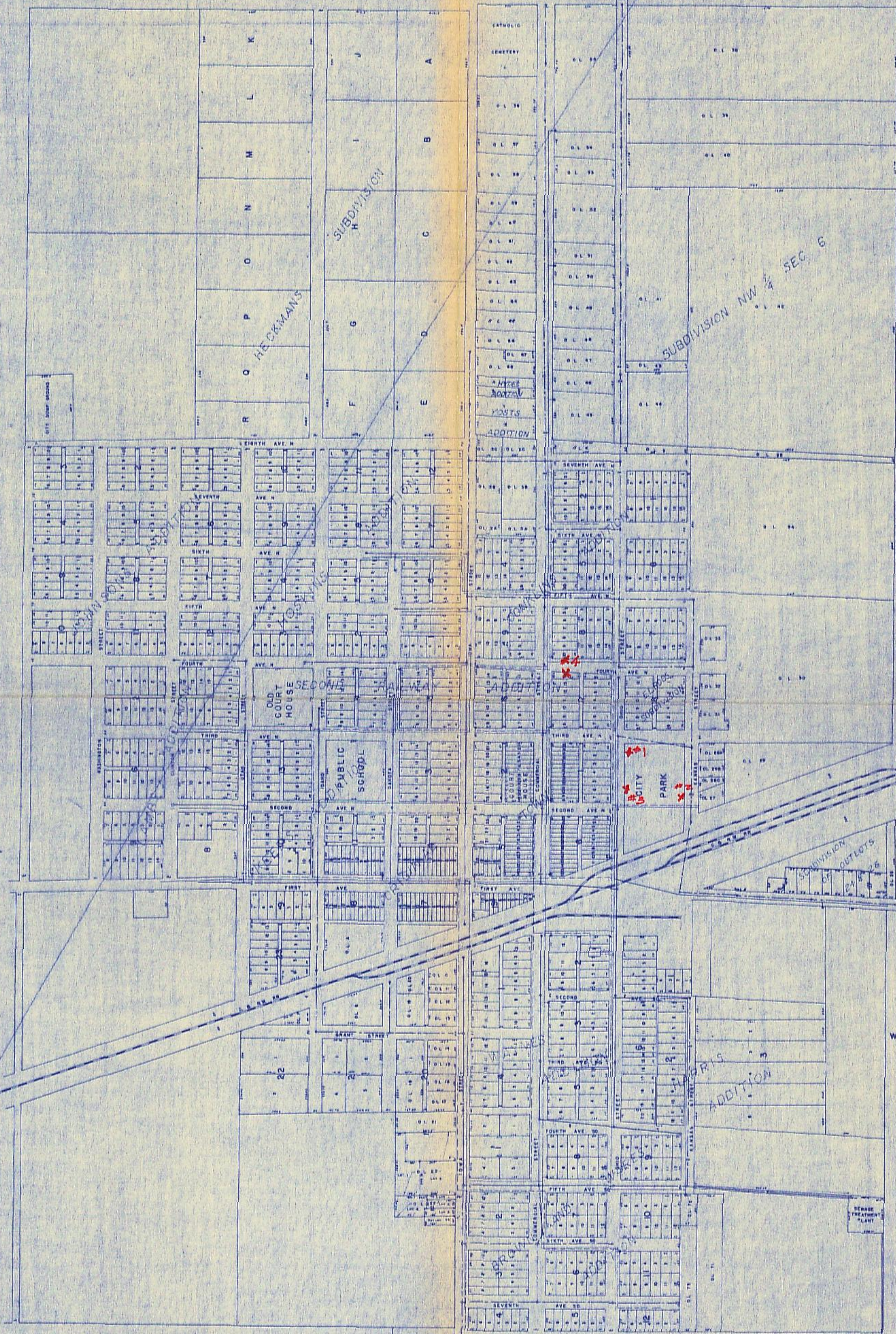
STATE OF SOUTH DAKOTA)

County of Clark) ss.
 I, John A. West, 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.
Signed John A. WestSubscribed and sworn to before me this 29th day of June, 1977

Notary Public (or other qualified officer)

David W. Clark II

MAP NO 3289-3 APP NO 4047-3



WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4047-3

CITY OF CLARK
(Applicant)

(Post Office Address)

SOUTH DAKOTA 57225
(State)

With the following modifications:

PARTIAL "VESTED RIGHT" CLAIMED

The ~~irrigation~~ wells approved under this Permit are located near domestic wells which may obtain water from the same aquifer. The ~~irrigation~~ well owner, under this Permit, shall control his ~~irrigation~~ withdrawals so there is not a reduction of needed water supplies in adequate domestic wells.

Date of first receipt of application JUNE 30 19 77

Date of return to applicant for correction, amendments or changes required - 19 -

Date of receipt of corrected application - 19 -

Approved OCTOBER 6 19 77 Recorded in Book 19 Page 106

WATER RIGHT PERMIT NO. 4047-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4047-3 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:

1. The date from which applicant may claim right is 1.33 FROM JUNE 30 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed CONTINUOUSLY
3. The whole of said work is to be completed CONTINUOUSLY
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is COMPLETED
5. The water appropriated shall be used for the purpose of MUNICIPAL USE
6. 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.
7. The amount of the appropriation herein granted shall not exceed 1.33 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 irrigation and if for the irrigation purpose, said appropriation must be limited to not more than 2 cubic feet per acre per year and limited to not more than 11/70 of one cubic foot of water per acre of land for each acre of land to which water is applied for irrigation on or before THIS DATE 19 77 said water to be used during following described annual period: CONTINUOUSLY

Witness my hand this 1ST day of NOVEMBER 19 77

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction issued - 19 -

Water License issued - 19 -

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

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 32'
- (2) Casing Type steel Diameter 12" Thickness 1375
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Johnson stainless, Diameter 12", Length 9'
- (4) Gravel Pack, Thickness 12", Length of gravel pack 32'

E. Dugout Information or Estimates

- (1) Surface dimensions _____, 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 fine to medium gray sand.

Depth to top of water bearing material 12'

Depth to bottom of water bearing material 32'

Thickness of water bearing material 20'

Depth to water (ground surface to water level) 12'

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

On same owner's property _____ rds. On property owned by others _____ rds.

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.

Tom Test mayer
Signature of Applicant

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

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 32'
- (2) Casing Type steel (wood, concrete, steel, etc), Diameter 12" Thickness .375"
- (3) Perforated Screen,
Type Johnson turbine, Diameter 12", Length 9'
- (4) Gravel Pack, Thickness 12", Length of gravel pack 32'

E. Dugout Information or Estimates

- (1) Surface dimensions _____, 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 Fine to medium gray sand

Depth to top of water bearing material 12'

Depth to bottom of water bearing material 32'

Thickness of water bearing material 20'

Depth to water (ground surface to water level) 12'

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

On same owner's property _____ rds. On property owned by others _____ rds.

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.

L.M. Test, Mayor
Signature of Applicant

well # 3
west park well

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

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 36", Depth 38'
(2) Casing Type Steel Diameter 12" Thickness .375"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Johnson Stainless Diameter 12" Length 10'
(4) Gravel Pack, Thickness 12", Length of gravel pack 38'

E. Dugout Information or Estimates

- (1) Surface dimensions _____, 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 Fine to medium gray sand

Depth to top of water bearing material 13'

Depth to bottom of water bearing material 38'

Thickness of water bearing material 25'

Depth to water (ground surface to water level) 13'

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

On same owner's property _____ rds. On property owned by others _____ rds.

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.

L. M. Lee, Mayor
Signature of Applicant

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 3 1/2", Depth 43'
(2) Casing, Type Steel (wood, concrete, steel, etc), Diameter 12", Thickness .375
(3) Perforated Screen.
Type Johnson Stainless, Diameter 12", Length 10'
(4) Gravel Pack, Thickness 12", Length of gravel pack 43'

E. Dugout Information or Estimates

- (1) Surface dimensions _____, 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 Fine to medium gray sand

Depth to top of water bearing material 15'

Depth to bottom of water bearing material 43'

Thickness of water bearing material 28'

Depth to water (ground surface to water level) 15'

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

On same owner's property _____ rds. On property owned by others _____ rds.

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.

L. M. Lee Meyer
Signature of Applicant

NOTE: This Form is supplemental to Form 2, and is to be used when an affidavit pertaining to construction and water use, already completed, is needed.

**AFFIDAVIT OF CONSTRUCTION OF WATER USE
SYSTEM AND APPLICATION OF WATER TO BENEFICIAL USE**

Name of Applicant (Same as Form 2) City of ClarkPost Office Address _____, State South Dakota

If a Corporation show date and place of incorporation _____

13. Notice of Appropriation (If available)

Date of Posting no prior posting Date of Recording _____

Recording Date _____

14. Date of start of construction of water supply system 195315. Date that water was first applied to beneficial use 195316. Name of owner of original water supply system City of Clark17. Amount of water originally applied to beneficial use .11 c. f. s.

18. Present Use of Water

Amount of water now being used 1.33 c. f. s.Date that this amount of water was first used 1974

19. Chronological History of Water Use

Well # 3 was drilled in 1953, two additional wells were constructed in 1962. One new well in 1974 & one to replace #3 well. *EACH WELL IS NOW PUMPED AT 150 G. P. M*

Attach to this Form 2B. any copies of notices, postings, filings, publications, affidavits, or other records that apply. You may also attach any written statement by you, or by others, that you deem pertinent.

STATE OF SOUTH DAKOTA)

County of Charles) ss.

I, L. M. Lest, the applicant, certify that I have read the foregoing and that the matters therein stated are true.

Signed L. M. LestSubscribed and sworn to before me this 29th day of June, 1977Betty Westlund
(Notary Public or other qualified Officer)

I, the undersigned, do hereby certify that I know about the water use system described above that I have read the foregoing and that the matters therein stated are true.

40

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 ONLY)

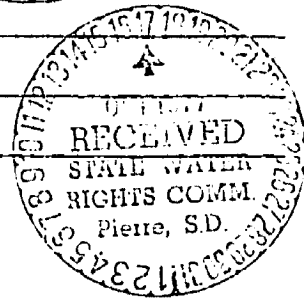


check

NAME CITY OF CLARK

ADDRESS CLARK, S. DAK.

COUNTY CLARK



LEGAL DESCRIPTION

CENTER OF

1. WELL LOCATION 1180' WEST & 500' SOUTH OF SEC. 6-117-57
2. LOCATION OF AREA TO BE IRRIGATED LOTS 1,2,3,4,12,13,14, and 15 in Block 1 of Lamb's Addn. to City of Clark; All of Blocks 4,3, & 10 in Hoskin's Addn. to City of Clark; Lots 10,7,11 in Block 3 of Hoskin's Addn. to City of Clark; Outlets R of Heckman's Subdivision to the City of Clark; and Blocks 1,2, TYPE OF IRRIGATION 5,6,7,8,11, and 12 of Johnson's Addn. to the City of Clark.
3. Underground Pipeline with Valves and Sprinkler Heads Typical of Golf Courses.
GRAVITY TOWLINE CENTER PIVOT GUN
4. CROPS TO BE IRRIGATED Grass Fairways and Greens of the Clark Golf Club.

WATER QUALITY

5. SAMPLE NUMBER 77-1399
6. SALINITY (EC x 10⁶) 921 (moderately high)
7. SODIUM (SAR) 0.31 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

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 Clark County 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.

L M Lee

APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
13 DAY OF September 1977

[Signature]
(TITLE OR SEAL) NOTARY PUBLIC
CLARK COUNTY SOUTH DAKOTA

[Signature]
APPROVED/DISAPPROVED

my commission expires 11/1/78 (SOILS INFORMATION ON REVERSE SIDE)

REPORT OF ANALYSIS

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

Submitted by: City of Clark
Address: 5722

Date Rec'd September 21, 1977
Sample No. 77-1399
Identification Sec. 6, T 117N, R 53W

WATER ANALYSIS

Calcium (Ca)	142	ppm*	7.10	me/l**
Magnesium (Mg)	48	ppm	3.94	me/l
Sodium (Na)	17	ppm	0.74	me/l
Potassium (K)	3	ppm	0.08	me/l
Sulfate (SO ₄)	312	ppm	6.49	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	10	ppm	0.28	me/l
Bicarbonate (HCO ₃)	278	ppm	4.56	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)	228	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	921	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.31			
Sodium	6.24	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.27			

Others:

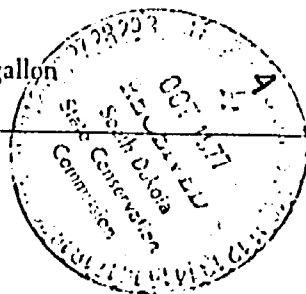
*ppm=parts per million

**me/l=millequivalents per liter

***g-p-g=grains per gallon

COMMENTS:

Total cations 11.26 me/l
Total anions 11.33 me/l



By: _____

Service Performed

Amount Due

Indication of Bill

11.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-1399

Amount Enclosed \$

Signed

No. 4047-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Clark) ss.

I, Bert Moritz hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Clark County Courier

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 Clark

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

July 14, 1977

July 21, 1977

Bert Moritz
(Signature)

Publication
(Title)

7/27/77
(Date Signed)

NOTICE OF HEARING ON
APPLICATION TO
APPROPRIATE WATER

Pierre, South Dakota 57501

July 6, 1977

Notice is hereby given that the City of Clark, South Dakota, has made an application in accordance with the provisions of the 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, 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, for a permit to appropriate for beneficial use 1.33 cubic feet of water per second of time from the ground water through the Clark City Hills, the point of diversion of which is to be located in the S½ and SW¼ of Section 6, Twp. 116N, Range 57W. Said water to be used for the purpose of providing water supplies for the City of Clark.

This Application No. 4047-3 will be considered by the Water Rights Commission at their office at Pierre upon 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 Winterton

Water Rights Specialist

7-14-21



Publish first publication, on or before July 14, 1977

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

July 6, 1977Notice is hereby given that the City of Clark whose

~~of the City of Clark~~, 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 46-5-38, Temporary Permit 46-5-39, 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 52:01:01:11 thru 52:01:01:24~~, for a permit to appropriate for beneficial use 1.33 cubic feet

of water per second of time from the ground water throughthe Clark City Hills, the point of diversion of which isto be located in the S $\frac{1}{4}$ and SW $\frac{1}{4}$

of Section 6, Twp. 116 N, Range 57 W. Said water to be used for the purpose of providing ~~irrigation on portions of the following described land:~~

water supplies for the City of ClarkThis Application No. 4047-3 will be considered by the Water Rights Commission

at their office at Pierre upon 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 WINTERTON

Water Rights Specialist

cc: City of Clark, Clark SD 57225



Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/224-3151

November 15, 1977

City of Clark
Clark, SD 57225

Gentlemen:

Enclosed herewith is your Water Right Permit No. 4047-3 as approved by the Water Rights Commission, authorizing you to construct your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said Water Right Permit No. 4047-3

An inspection will be held as soon as we can get someone into the area.

Sincerely,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/gy

enclosure

 **Department of
Water & Natural Resources**

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

JUN 13 1989

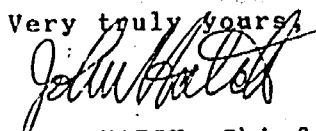
Mayor J Elaine Hanson
City of Clark
111 West 1st
Clark SD 57225

Dear Mayor Hanson:

The Water Management Board has validated the enclosed Vested Water Right No. 4047-3. This validation gives legal status to the claim and is the final document for your vested right.

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



SOUTH DAKOTA

VALIDATION OF VESTED WATER RIGHT CLAIM NO. 4047-3 (Partial)

Date Claim Accepted For Filing June 30, 1977.

Date of Validation May 10, 1989.

Pursuant to SDCL 46-2A-17 the Water Management Board validated Vested Water Right Claim No. 4047-3 for the City of Clark, 111 West 1st, Clark, South Dakota 57225 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 4047-3 appropriates 0.11 cubic feet of water per second from one well approximately 38 feet deep located in the S 1/2 SW 1/4, Section 6, T116N, R57W.
2. The appropriated water is used for supplying water for the City of Clark and may not exceed the amount of water needed for beneficial use for municipal purposes.

The water is to be used during the following annual period: January 1 - December 31.

3. The priority date of the Vested Water Right is: January 1, 1953.
4. The water use system has been constructed and water has been applied to beneficial use.
5. Water Rights obtained in compliance with the laws of the State of South Dakota must not be unlawfully impaired by this appropriation.

WATER MANAGEMENT BOARD

By: _____

John H. Ditt
Chief Engineer
Division of Water Rights
Dept. of Water and Natural Resources

JUN 13 1989

date



4047-3

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

AUG 8 1997

Dale Clausen, Finance Officer
City of Clark
PO Box 217
Clark SD 57225

Dear Mr. Clausen:

Enclosed are Water License Nos. 4047A-3 and 4047B-3 for the City of Clark.

On May 10, 1989, the Water Management Board validated the vested right portion of No. 4047-3. Water Permit No. 4047-3 is being divided and reissued and will separate the vested right portion from the water right as follows:

Vested Water Right No. 4047A-3 - authorizes diversion of 0.11 cfs from the three wells located in the SW 1/4 SW 1/4 Section 6-T116N-R57W - Priority date: January 1, 1953

Water Right No. 4047B-3 - authorizes diversion of 1.22 cfs from the three wells located in the SW 1/4 SW 1/4 Section 6-T116N-R57W - Priority date: June 30, 1977

* The total combined capacity of the 3 wells authorized under Nos. 4047A-3 and 4047B-3 is 1.33 cfs.

As long as the City of Clark uses the waer beneficially as stated in the licenses, State Water Laws provide that the City has a continuing right to the use of the water.

Very truly yours,

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

ks

enclosures

DIVISION OF WATER RIGHT NO. 4047-3

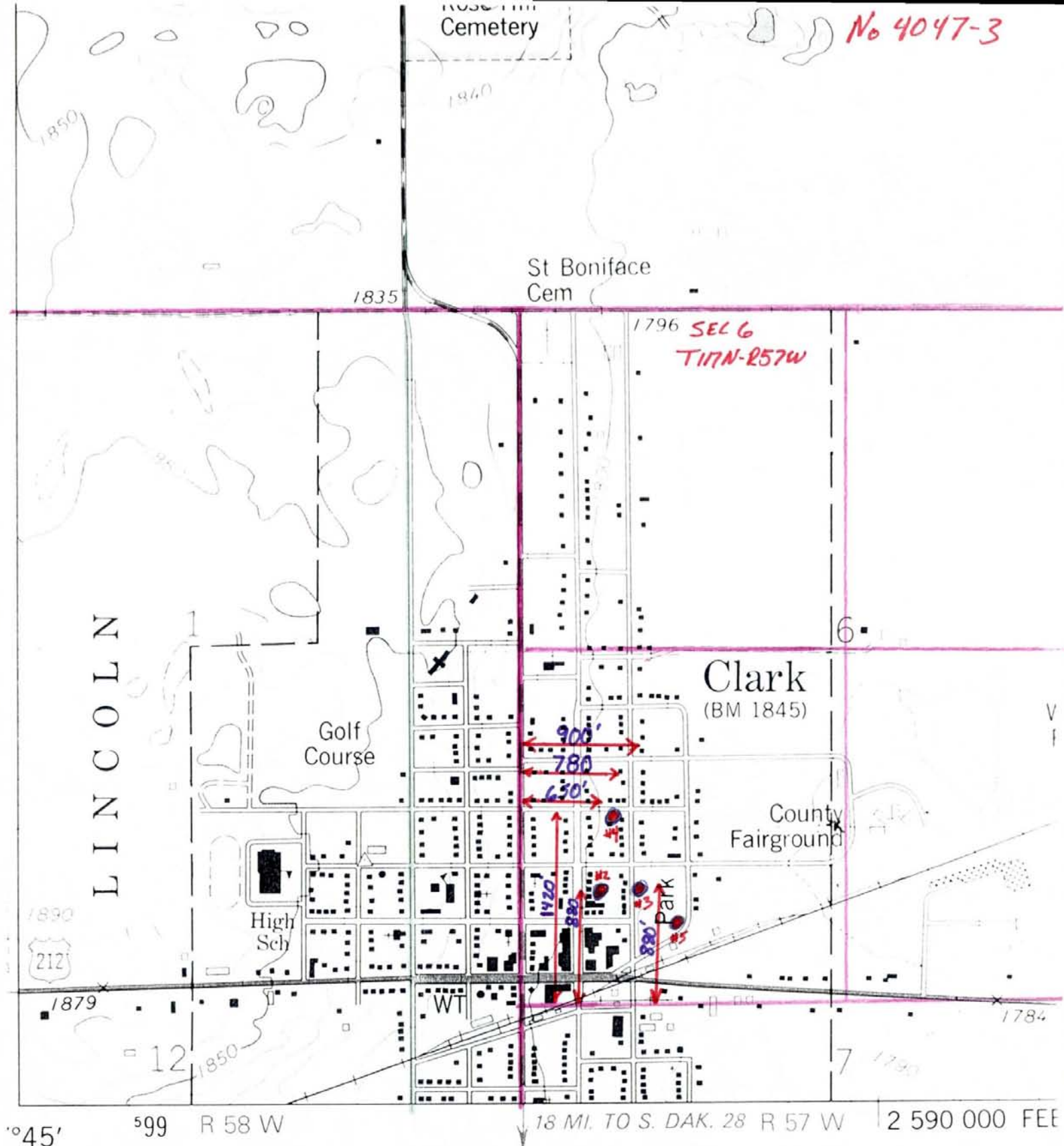
INTO 4047A-3 AND 4047B-3

On May 10, 1989, the Water Management Board validated the vested right portion of No. 4047-3. Water Permit No. 4047-3 is being divided and reissued and will separate the vested right portion from the water right as follows:

Vested Water Right No. 4047A-3 - authorizes diversion of 0.11 cfs from the three wells located in the SW 1/4 SW 1/4 Section 6-T116N-R57W - Priority date: January 1, 1953

Water Right No. 4047B-3 - authorizes diversion of 1.22 cfs from the three wells located in the SW 1/4 SW 1/4 Section 6-T116N-R57W - Priority date: June 30, 1977

* The total combined capacity of the 3 wells authorized under Nos. 4047A-3 and 4047B-3 is 1.33 cfs.



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1996

Projection and 10,000-foot grid ticks: South

Mark D Rath
 Mark D Rath
 Natural Resources Engineer
 Division of Water Rights
 Date 10/8/96

4047-3