

Considered: _____

WATER PERMIT NO. FC-3

MAP No. Same

Name of Applicant City of Watertown

Post Office Address 23 2nd St. N.E.

Amount of Water Claimed NONE Total Acres N.A.

Source of Water Supply outlet works for Lake Kampeska and sediment control dam

Water to be used for Flood Control County Codington

About _____ miles _____ of _____

PROOF OF PUBLICATION: Received lot 1-31-86 Not Received _____

APPLICATION: Approved 3/5/86 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received 11-7-85 Fee \$5000 Remarks _____

Corrected Application Received _____ Period of Annual Use N.A.

WATER QUALITY APPROVAL RECEIVED N.A. APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point outlet for Lake Kampeska

NE¹ NE⁴ section 15 T112N R53W

Land to be Irrigated N.A.

		⊗			
15					

Well Log: Driller _____ Licensed YES _____ NO _____

Depth of Well _____ REMARKS _____

Type of Map Drawn PREPARED BY From OHWM Report Reviewed and the Number

assigned on 11-19-85 By Karin C. Larson

No. EC-3 Hydrologic Unit 10170202
 Map No. _____ Basin Sioux River
 Newspaper Watertown Public Opinion Box 10

Application For A FLOOD CONTROL PERMIT

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☒

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. _____ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☒ flood control permit☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☐ Construction to use water reserved by Future Use Permit No. _____1. Name of Applicant City of Watertown Phone No. 886-4057Post Office Address 23 2nd Street NE, Watertown, SD State 57201
(Street, RR or Box) Zip Code2. Amount of water claimed (c.f.s) none-flood control3. Source of water supply Lake Kampeska4. Location of point of diversion outlet of Lake Kampeska - NE 1/4, Section 15,T117N, R53W Sheet piling outlet structure and rock sediment control dam.County Codington5. Counties where water will be used Codington

6. Annual period during which water is to be used _____

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

The City of Watertown is proposing to cut a section (1' deep x 10' long) in steel sheet piling dam to lower Lake Kampeska level in order to minimize severe flooding in the City of Watertown and Lake Kampeska in the spring of 1986. If the area receives much runoff next spring, we will most likely experience wide spread flooding.

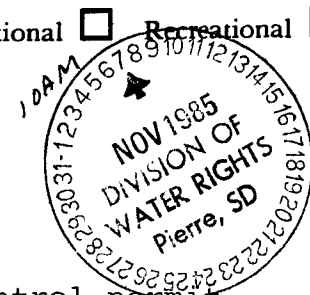
Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map
(see instruction)

STATE OF SOUTH DAKOTA)
 County of Codington)^{ss}

I, Herb Jenson, Mayor for the City of Watertown, the applicant, certify that I have read the foregoing application, 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 Herb JensonSubscribed and sworn to before me this 5th day of November 1985Patricia B. Lunde

Notary Public (or other qualified officer)

My Commission Expires Sept. 1, 1987

FLOOD CONTROL PERMIT

The Water Management Board hereby approves Flood Control Permit No. FC-3, City of Watertown, 23 2nd St NE, Watertown, South Dakota 57201 to remove a one foot by 10 feet section of the sheet piling outlet control structure because the control structure change may reduce damage from flooding and will not increase downstream flooding with the following qualifications:

1. That the removed one foot by 10 feet section of the outlet control structure be replaced by a moveable control gate that can be placed in or removed from the control structure.
2. That the removal of the gate from or placement of the gate in the outlet control structure be the responsibility of the City of Watertown.

Date of first receipt of application November 7, 1985.

Approved March 5, 1986.

1. The date from which the applicant may claim right is November 7, 1985.
2. The whole of said work is to be completed on or before March 5, 1991.
3. The project shall be used for the purpose of flood control on Lake Kampeska.
4. The prior rights 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 unlawfully impaired by this flood control project.

WATER MANAGEMENT BOARD

By: -----
Chief Engineer
Water Right Division
Dept. of Water & Natural Res.
April 23, 1986

RECEIPT

Division of Water Rights

No 410242

South Dakota Department of Water and Natural Resources

Pierre, November 18, 1985

RECEIVED OF City of Watertown, City Hall, Watertown, SD 57201

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

Fee for Application for Permit No. FC-3 to Appropriate Water, to construct works and to put water to beneficial use	50	00
Fee for Application for Permit No. to Appropriate Water for Future Use		
Fee to retain Future Use Permit No. after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No.		
Fee for Filing Transfer Form		
Fee for Filing Extension Request		
Fee for Certified Copy of		
Fee for Print Copy of Map		
Fee for Certifying		
Fee for (Any Other Work Provided by Law)		
Total	50	00

By John Hatch
Chief Engineer

JOHN HATCH/ms

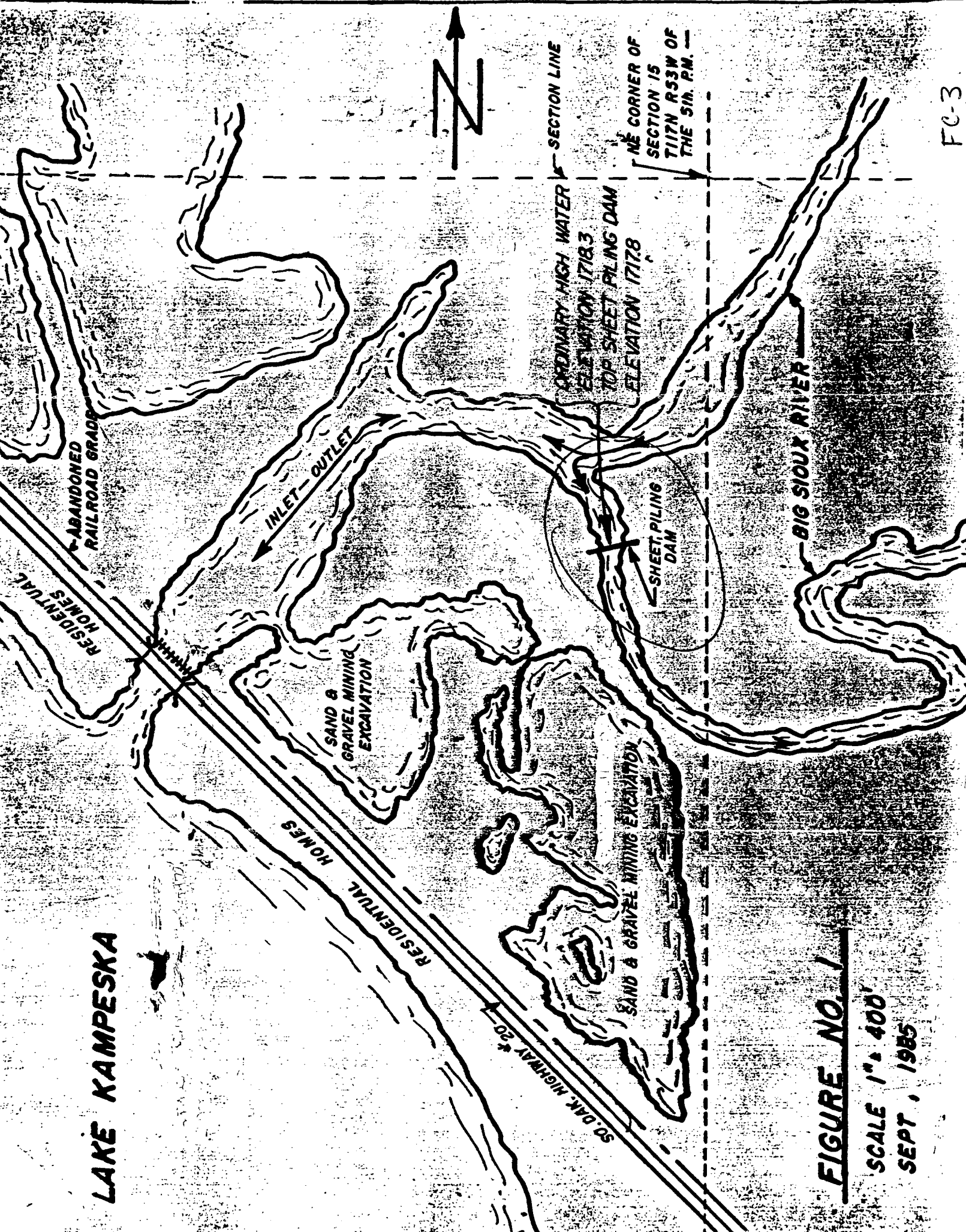


FIGURE NO. 1

SCALE 1" = 400'
SEPT. 1985



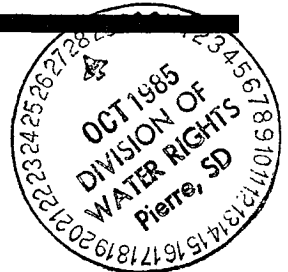
US Army Corps
of Engineers
Omaha District

Public Notice

Reply to:
Regulatory Branch
P.O. Box 5
Omaha, NE 68101-0005

Application No: SD 2SB OXT 2 007915
Date: October 25, 1985
Expiration Date: November 22, 1985

MROOP-N-1
Watertown, City of
Fill/Rock Dam
Lake Kampeska



NOTICE OF PERMIT PENDING

The application of the City of Watertown, 23 2nd Street NE, Watertown, South Dakota 57201, for approval of plans and issuance of a permit under the authority of the Secretary of the Army is being considered by the District Engineer, U.S. Army Engineer District, Omaha, Nebraska.

The applicant requests permission to place fill in Lake Kampeska in conjunction with the construction of a rock dam located in Section 15, Township 117 North, Range 53 West, Codington County, South Dakota.

The proposed project would consist of constructing a rock "retention" dam at the inlet/outlet of Lake Kampeska. The project would require the placement of an estimated 3,100 cubic yards of rock having a minimum diameter of 1-foot. The dam would be approximately 310 feet long, have an 8-foot top width and sides sloped at one to one. The top of the dam would be 1/2-foot below the ordinary high water elevation of 1718.3.

Outlet EL. 1717.8

The purpose of the proposed project is to trap sediment/silt and debris to prevent the degradation of the water quality of Lake Kampeska. Lake Kampeska is used by many citizens for various recreational activities such as swimming, skiing, fishing, boating etc.

Certification that the proposed project will not violate applicable water quality standards has been requested from the Regional Administrator, Environmental Protection Agency, Region VIII, One Denver Place, Suite 1300, 999 18th Street, Denver, Colorado 80202-2413.

In compliance with the National Environmental Policy Act of 1969 and Section 106 of the National Historic Preservation Act of 1966, as amended, The National Register of Historic Places and current supplements have been consulted. There are no sites included or which have been determined eligible for inclusion therein which will be affected by the proposed project.

In compliance with the Endangered Species Act, our review indicates that the proposed activity will not affect species designated as threatened or endangered pursuant to the Endangered Species Act or their critical habitat.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization

of important resources. The benefit which reasonably may be expected to accrue from the proposals must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act (40 C.F.R., Part 230).

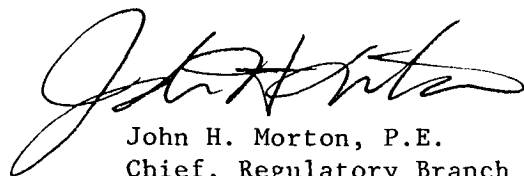
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reason for holding a public hearing. The request must be submitted to the District Engineer, Omaha District, Corps of Engineers, P.O. Box 5, Omaha, Nebraska 68101-0005.

Any interested party (particularly officials of any town, city, county, state, federal agency, or local association whose interests may be affected by the proposed work) is invited to submit to this office written facts, arguments, or objections on or before November 22, 1985. Any agency or individual having an objection to the work should specifically identify it as an objection with clear and specific reasons. Comments, both favorable and unfavorable, will be accepted, made a part of the record and will receive full consideration in subsequent actions on this permit application. All replies to this public notice should be addressed to the District Engineer at the address listed in the previous paragraph. Mr. Steve Naylor, telephone number (401) 221-4152, may be contacted for additional information.

Comments received after the close of business on expiration date of public notice will not be considered.

A permit, if issued, will be under the provisions of Section 404 of the Clean Water Act.

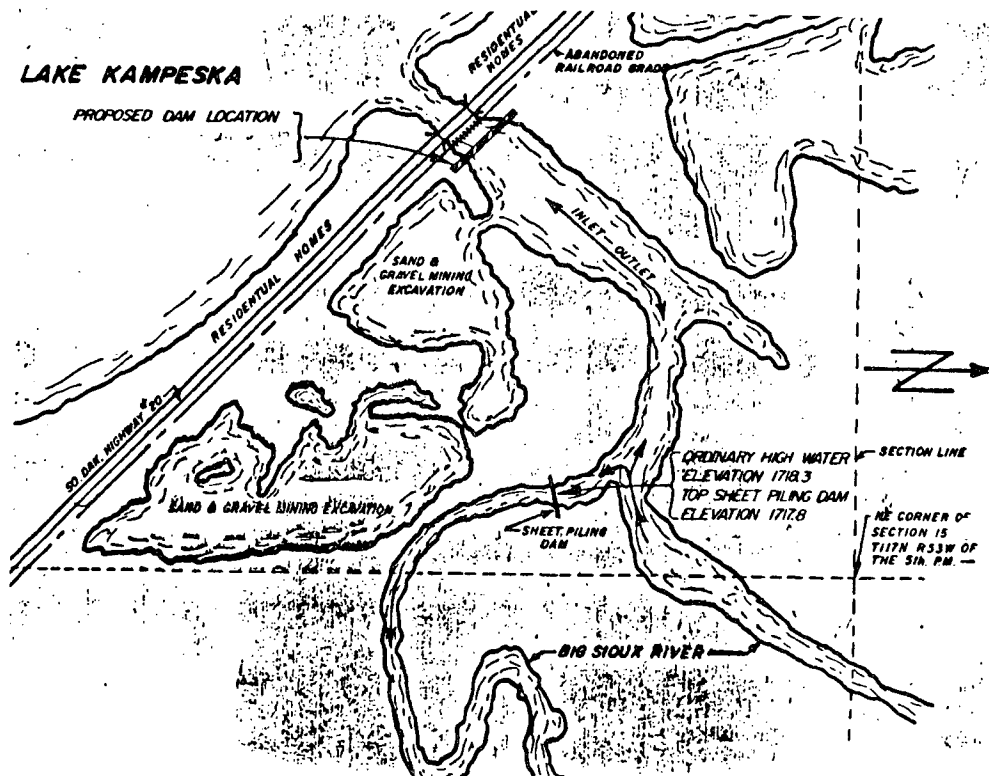
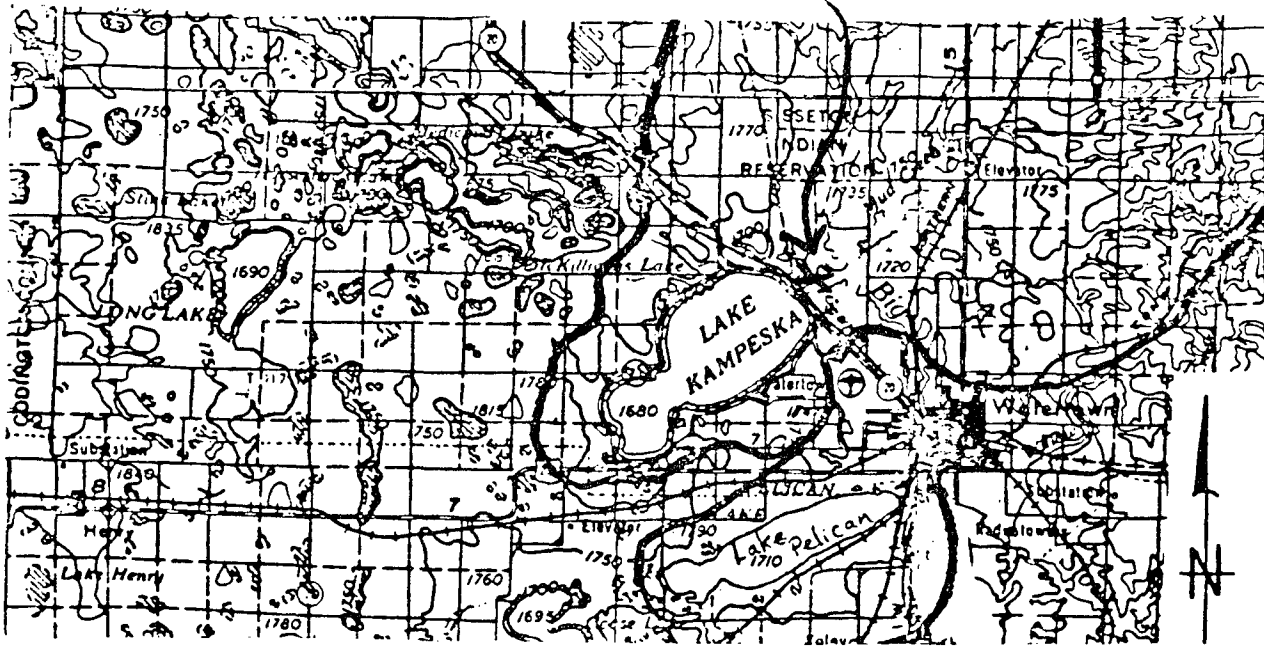
Drawings showing the location and extent of the work are attached to this notice.



John H. Morton, P.E.
Chief, Regulatory Branch
Operations Division

Attachments

Project Location



PURPOSE: Fill

DATUM

ADJACENT PROPERTY OWNERS:

- 1 Gregg Forsberg
- 2 SD State Game & Fish
- 3 Roy Schmeling
- 4 City of Watertown

MRO FORM 15 MAY 76 1643

IN Lake Kapeska

AT Near Watertown

COUNTY OF Codington

STATE S D

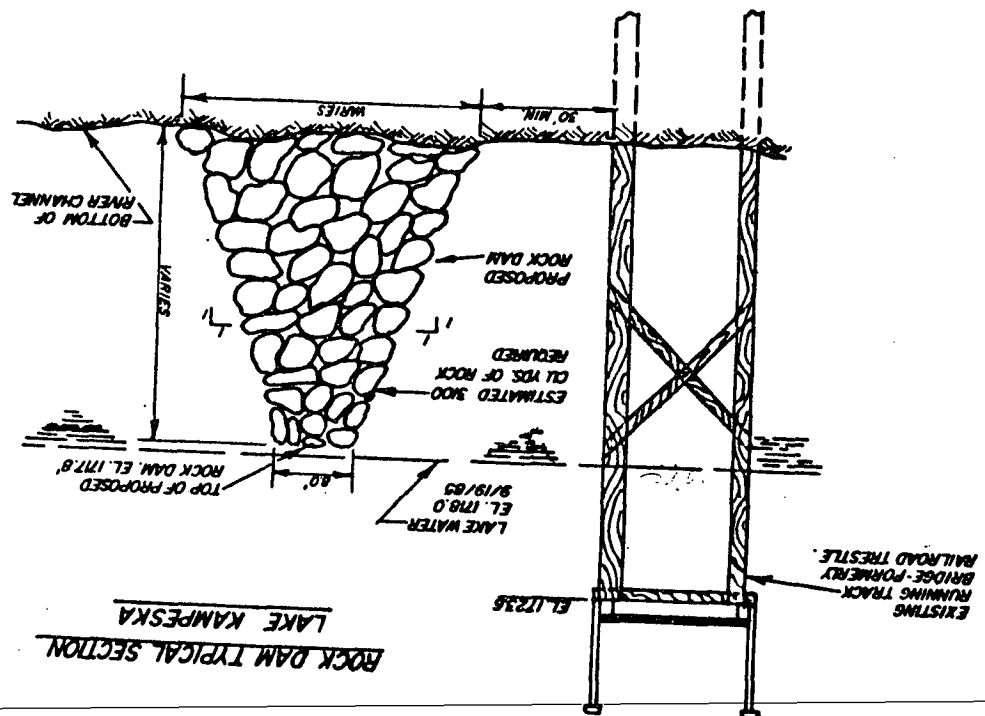
APPLICATION BY Watertown, City of

SHEET 1 OF 3 DATE October 1985

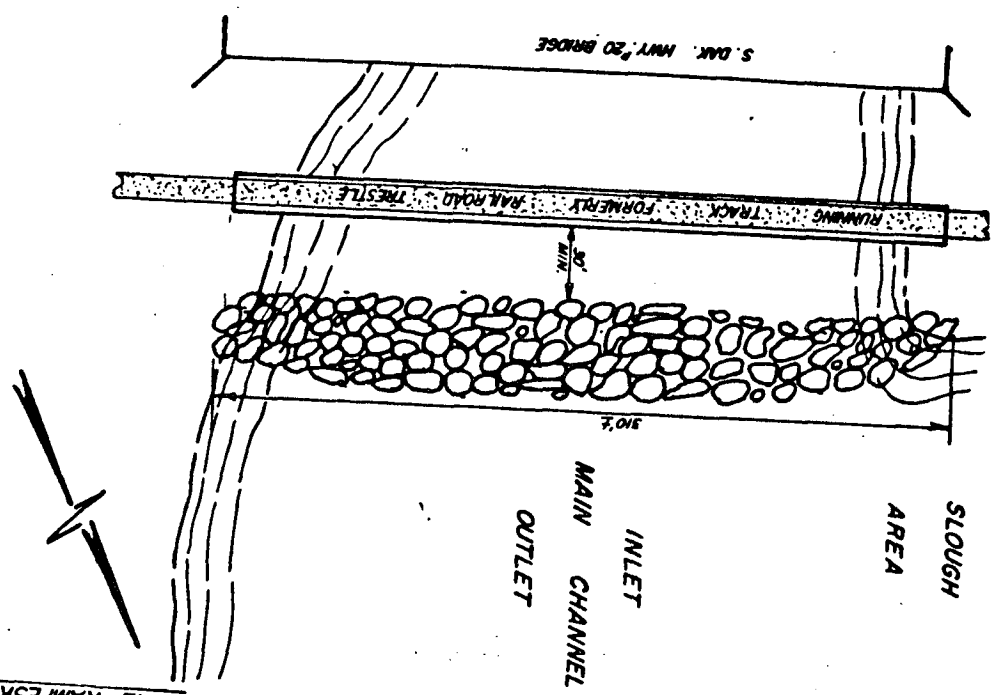
SD 258 OXT 2 007915

IN Lake Kampeska
 AT Near Watertown
 COUNTY OF Codington
 APPLICATION BY Watertown, City of
 SHEET 2 OF 3 DATE October 1985
 STATE SD
 SD 256 EXT 2 007915

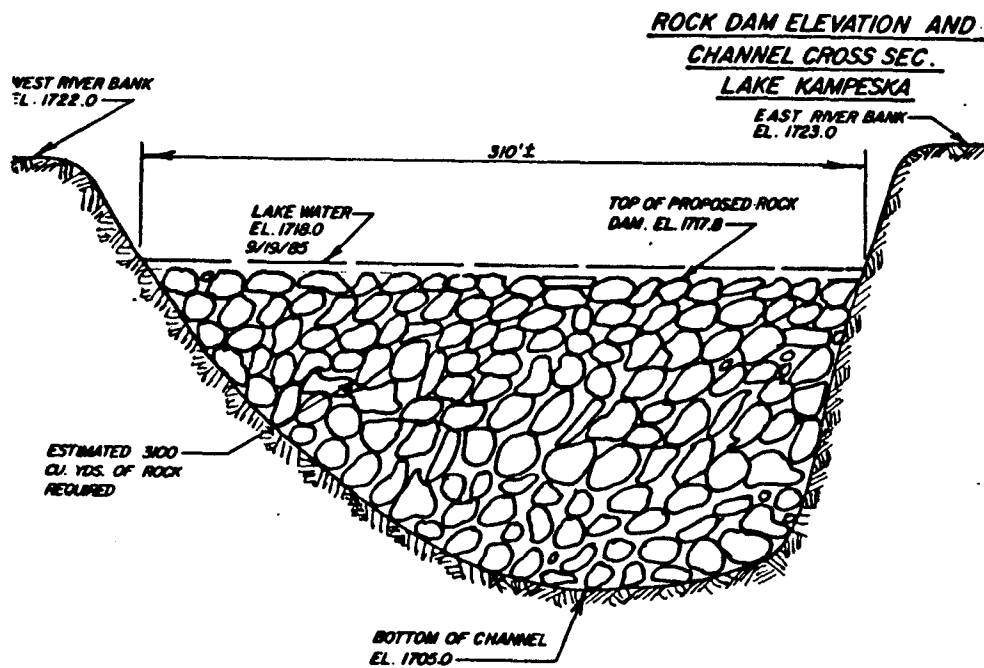
PURPOSE: Fill
 DATUM
 ADJACENT PROPERTY OWNERS:
 1 Gregg Forsberg
 2 SD State Game & Fish
 3 Roy Schmeling
 4 City of Watertown
 MRO FORM 15 MAY 76 1643



ROCK DAM TYPICAL SECTION
 LAKE KAMPESKA



ROCK DAM PLAN
 LAKE KAMPESKA



PURPOSE: Fill

DATUM

ADJACENT PROPERTY OWNERS:

- 1 Gregg Forsberg
- 2 SD State Game & Fish
- 3 Roy Schmeling
- 4 City of Watertown

IN Lake Kampeska
AT Near Watertown

COUNTY OF Codington

STATE SD

APPLICATION BY Watertown, City of

SHEET 3 OF 3 DATE October 1985

MRO FORM 15 MAY 76 1643

SD 258 OXT 2 007915

**South Dakota
Department of
Game, Fish and Parks**

**Office of the Secretary
Sigurd Anderson Building
445 East Capitol
Pierre, South Dakota 57501
(605) 773-3387**

October 24, 1985



Mr. Herb Jensen, Mayor
23 NE 2
Watertown, SD 57201

Dear Herb:

To confirm our earlier conversation regarding the Lake Kampeska outlet level, the Department of Game, Fish and Parks has no problem with the proposed modification. Lowering the structure by a few inches will not adversely affect the current management strategies or damage the resource. This position is based on GF&P management goals and potential effects on the lake as an ecosystem.

The Department of Water and Natural Resources and Board of Water Management have the legal authority to approve adjustments to lake outlet levels. This is true whether or not the structure is controlled by GF&P. The Board bases their decision on outlet modification on several things to include, ordinary high water mark, flood control affects, and downstream affects. Mr. John Hatch, Chief Engineer, Water Rights (605-773-3352) would be the appropriate contact person regarding official action on the Lake Kampeska outlet.

Thank you for your call and if I can be of further assistance, please contact me.

Sincerely,

Jeff Stingley
Secretary

JS/ld

cc: John Hatch, DWR

City of Watertown

SOUTH DAKOTA 57201

"Lake City of the Dakotas"

"OFFICE OF THE MAYOR"

P.O. BOX 910

PH. 886-4057



November 6, 1985

Water Rights Division
DWNr, Foss Building
Pierre, SD 57501

Gentlemen:

Enclosed please find an executed Application for A Flood Control Permit and attached map. We would appreciate your reviewing this Application at your earliest convenience.

Sincerely,


Herb Jensen
Mayor

HJ/pbl

Enclosure

A CITY OF

25 CHURCHES
All Leading Denominations

9 GRADE SCHOOLS
5 Public - 4 Parochial

2 JUNIOR HIGH SCHOOLS
1 Public - 1 Parochial

1 SENIOR HIGH SCHOOL

LAKE AREA MULTI-DISTRICT
VOCATIONAL HIGH SCHOOL

LAKE AREA VOCATIONAL-
TECHNICAL INSTITUTE

WATERTOWN REGIONAL LIBRARY

2 HOSPITALS

7 MEDICAL CLINICS

5000 SEAT ARENA

1050 SEAT AUDITORIUM

5500 SEAT STADIUM

2 SWIMMING POOLS
Sanctioned for A.A.U. Meets

1 Indoor Complex

18 DEVELOPED PARKS

BRAMBLE PARK ZOO

2 GOLF COURSES
18 Holes, Grass Greens

LAKE KAMPESKA
5500 Acres

LAKE PELICAN
3000 Acres

100 LAKES
In 75 Mile Radius

HUNTING AND FISHING

FULL TIME. . .

POLICE DEPARTMENT

FIRE DEPARTMENT

INSURANCE RATING CLASS 6

MUNICIPAL UTILITIES

26,000 KW Firm Power

Abundant Natural Gas

Central Steam Heating System

Unlimited Supply of Water

Adequate Sewage Disposal

115 Miles of Paved Streets

SERVED BY. . .

REPUBLIC AIRLINES

FISCHER AVIATION
Charter - Air Ambulance
Flight Training

HERTZ RENT A CAR

C & N W RAILWAY

BURLINGTON NORTHERN

JACKRABBIT LINES

ZEPHYR LINES

4 MOTOR CARRIERS
Scheduled Routes
In All Directions

and Still Growing

I N T H E A G R I C U L T U R A L H E A R T O F A M E R I C A



NOV 14 1985

Department of Water & Natural Resources

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

WATER RIGHTS DIVISION
(605) 773-3352

November 13, 1985

City of Watertown
Mayor Herb Jensen
23 2nd Street NE
Watertown, South Dakota 57201

Dear Mayor Jensen:

We are in receipt of your permit application for flood control on Lake Kampeska. The filing fee for this application is \$50.00. Upon receipt of the filing fee we will continue to process your application. If you have any further questions, please contact this office.

Thank you,

A handwritten signature in cursive script that reads "Kevin C. Larson".

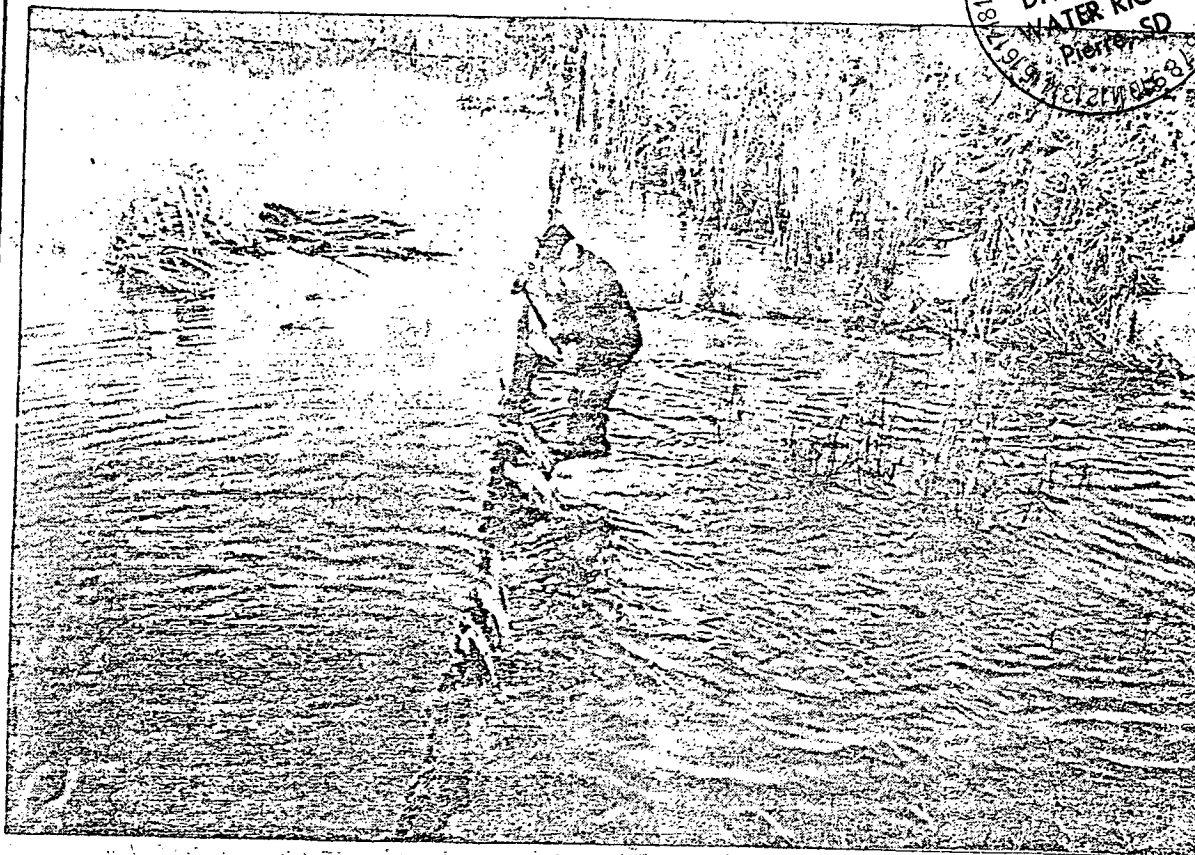
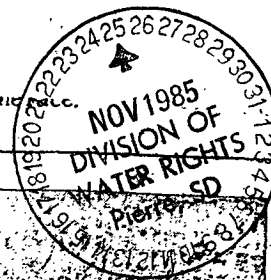
Kevin C. Larson
Natural Resources Engineer

KCL:ms



Equal Opportunity Employer

I have won four straight elections.
Republicans are looking for someone who can win the
Republicans are considering me.



KNOCKING IT OUT — Morris Van Sickle uses a sledge hammer to knock a portion of the steel dam out at the inlet-outlet to Lake Kampeska. Van Sickle

is a city employee. (Public Opinion photo by John Lowrie)

Work on steel dam continues

MAYOR HERB JENSON seems determined to reduce the water level of Lake Kampeska.

He's not talking or admitting anything, but Wednesday afternoon two city employees drove a city truck along the narrow road leading to the steel dam built across the Sioux River downstream of the outlet area. The dam was constructed to keep water in the lake during low water years.

Sledge hammers were being used to lower the sheet pilings on the dam in an effort to allow more water to flow down the river, alleviating possible flooding next spring.

It was just three weeks ago when Jenson had one large 7-foot section removed from the same dam hoping to lower the lake level before freeze-up. According to Bob Day, city engineer, the 7-foot wide by 6-inch deep section that was removed could be replaced when needed within a short period of time.

The plan was to increase the depth of the 7-foot section by 6-inches deep, but water running through the cut prevented this method from working. New methods are now being tried to remove a portion or portions of the dam.

A meeting was held Tuesday morning in the mayor's office with city and state officials. One of the topics of the meeting was lowering the steel dam below the initial cut of two weeks ago; however, no official action was taken at this meeting.

SINCE THE FIRST section of the dam was removed on Oct. 18, the lake level has decreased by one inch. Kampeska is now one inch above full.

Today's activities had a city backhoe putting dirt on the lake side of the dam to hold water back while workers used a cutting torch to cut a piece of the dam out.

Water tower 11/7/85

REPORT ON FLOOD CONTROL PERMIT APPLICATION FC-3

CITY OF WATERTOWN

December 19, 1985

Background

The City of Watertown is proposing to control flooding by cutting a section (10 feet long by 1 foot deep) out of the existing sheet piling outlet control structure of Lake Kampeska. The purpose of the cut in the sheet piling would be to allow the water level to be lower in Lake Kampeska and provide increased storage capacity in the lake for spring runoff. The structure is located in Section 15, T117N, R53W of Codington County.

Since the City of Watertown is also proposing to construct a rock dam to stop sediments, silts, and debris from entering the lake, the dam was included in Application FC-3. The dam as proposed will be approximately 310 feet long, 8 feet wide on the top with 1:1 side slopes. The elevation of the crest would be 1717.8 feet msl, the maximum outlet elevation as established by the Water Management Board on March 26, 1981. The Ordinary High Water Mark on Lake Kampeska was established at 1718.3 feet msl.

Discussion

The hydrology of Lake Kampeska was studied by Assad Barari, SD Geological Survey. An inlet-outlet canal allows the water from the Big Sioux River to flow into the Lake when the water level of the lake is lower than the Sioux River. The flood of 1969 caused the lake level to rise 5.2 feet. The rate of flow into the lake through the inlet-outlet channel was approximately 3 times greater than the rate of flow in the Sioux River through Watertown.

Prevention of flow into Lake Kampeska would potentially cause additional flood problems upstream of the inlet and force additional flows downstream through the City of Watertown. A 1977 Corps of Engineers study (preliminary draft information on file) states that numerous solutions to flood problems were investigated to alleviate damages in the Watertown-Lake Kampeska area, but none were economically feasible. Their analysis also shows that reducing the flood flows into Lake Kampeska could cause serious problems for the City.

The proposal of placing a rock dam at the inlet to Lake Kampeska may reduce sediment into the lake, but other problems could result. High flows would overtop the dam and enter the lake. There is also the risk of ice, debris, and sediment collecting at the dam to stop water from entering Lake Kampeska and forcing the water to an artificially high level behind the dam and causing flood problems upstream and additional flood damage downstream within the City of Watertown.

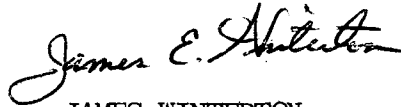
The proposal to reduce the lake level by cutting a section out of the sheet piling will create an outflow of 30 cfs (60 acre feet per day) at a lake elevation of 1717.8 feet msl. Dependent upon recharge to the lake, discharge of 60 acre feet per day may reduce damages around Lake Kampeska during periods of flooding; however, the increased flood storage capacity would allow additional silt laden flood water to enter the lake. The effect of the 10 foot notch will be small compared to the flow under high flow conditions when waters are overtopping the entire sheet piling structure.

Conclusions

Historically, a number of structures have been constructed near the inlet-outlet on Lake Kampeska. A solution to one problem created other problems. The rock dam may prevent sedimentation of the lake to some degree, but may act as a barrier to water entering the lake causing additional flood damage downstream. The removal of the 1 foot by 10 foot section of sheet piling structure will have no noticeable impact downstream under normal flow conditions.



RASSOOL AHADI
Natural Resources Engineer



JAMES WINTERTON
Natural Resources Engineer

References

Barari, Assad, Hydrology of Lake Kampeska, 1971, SDGS, Vermillion SD.

Steffen, Jerry, Ordinary High Water Mark Investigation for Lake Kampeska, 1981, SD DWR.

U.S. Army Corps of Engineers, Preliminary Draft Report, Flood Damage Analysis, Big Sioux River and Willow Creek, Watertown SD, 1977, Omaha

RECOMMENDATION OF CHIEF ENGINEER FOR FLOOD CONTROL

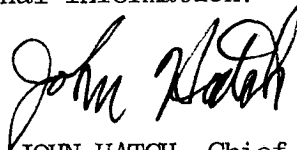
APPLICATION NO. FC-3, City of Watertown

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Flood Control Application No. FC-3, City of Watertown, 23 2nd Street NE, Watertown SD.

The Chief Engineer is recommending DENIAL of the portion of the application to construct a sediment control rock dam because although the dam may reduce movement of sediment into Lake Kampeska, it is more likely, to cause additional upstream flooding and additional flooding within the City of Watertown; and APPROVAL of the portion of the application to remove a one foot by 10 feet section of the sheet piling outlet control structure because the control structure change may reduce damage from flooding and will not increase downstream flooding with the following qualifications:

1. That the removed one foot by 10 feet section of the outlet control structure be replaced by a moveable control gate that can be placed in or removed from the control structure.
2. That the removal of the gate from or placement of the gate in the outlet control structure be the responsibility of the City of Watertown.

See the Attached report for additional information.



JOHN HATCH, Chief Engineer
December 20, 1985

**SOUTH Dakota Department of
Water & Natural Resources**

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

Water Rights Division
605 773-3352

January 18, 1986

Mayor Herb Jensen
City of Watertown
23 Second St NE
Watertown SD 57201

Dear Mayor Jensen:

We have reviewed your Flood Control Permit Application No. FC-3 to construct a sediment control dam and remove a section of the sheet piling in the Big Sioux River. Both projects relate to Lake Kampeska.

The advertising notice and recommendation contain two parts: a recommendation of denial for the sediment control dam and a recommendation of approval for the modification of the sheet piling control structure. If you are not going to oppose the denial portion of the recommendation, please instruct the newspaper to delete the DENIAL paragraph from the publication notice. This will result in that portion of the permit application being denied. A notice of your intent to complete the projects has been sent to the Publisher of the Watertown Opinion.

If you wish to present testimony in opposition to the denial portion of the recommendation please instruct the newspaper to print the notice in its entirety. If you need more time, you can also delay publication and consideration of Application No. FC-3 until the May 14-15, 1986 Board meeting.

The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur at least thirty days before the board meeting. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Please contact us, if you have any questions.

Very truly yours,



JOHN HATCH, Chief Engineer
Water Rights Division

JH:KL:ks

cc: Robert Day, City Engineer

STATE OF SOUTH DAKOTA)
) ss.
County Codington)

(Jan. 23, 30, 1986)

BROOKINGS COUNTY DRAINAGE OFFICER

BROOKINGS COUNTY COURTHOUSE
314 SIXTH AVENUE
BROOKINGS, SOUTH DAKOTA 57006

DONALD J. VOOGT, P.E.
TELEPHONE (605) 692-6622

February 18, 1986

Water Rights Division
S.D. Dept. of Water and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

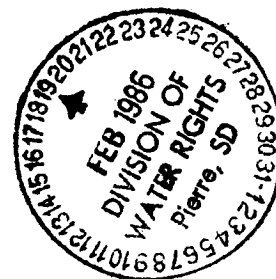
Attn: John Hatch, Chief Engineer

Dear Mr. Hatch:

This office has been made aware of an application on file with the Water Rights Division for a flood control permit for the City of Watertown, S.D. The City apparently wishes to lower the level of Lake Kampeska by 1 foot to reduce flooding at the Lake and in the City of Watertown. It is our understanding that a hearing will be held on this permit application on March 5, 1986, and written testimony must be received in your office by February 21, 1986.

We offer the following comments relative to the referenced application:

1. Removal of a 1 foot x 10 feet section of outlet control structure will result in an initial discharge of approximately 30 cubic feet per second into the Big Sioux River. Since flow rates in the Big Sioux generally exceed 1000 cfs several times each year, the 30 cfs will not cause a flooding problem downstream.
2. Lowering the water level in Lake Kampeska prior to the spring runoff flows in the Big Sioux will effectively increase the flood storage capacity of the Lake. This increase in storage capacity will actually serve to reduce the peak flow rate in the river - a very positive benefit to downstream properties along the river.
3. If the control structure is lowered during the high spring flows, the entire system will be so far under water that removal of the 1 foot x 10 feet section will have little or no effect on flow rates in the river.



Lowering Lake Kampeska
February 18, 1986
Page 2

4. For the aforesaid reasons, this office does not object to the flood control project as proposed by the City of Watertown.

We appreciate the opportunity to comment on this matter.

Very truly yours,


Donald J. Voogt, P.E.

DJV/rlg

cc: Richard Negstad
Brookings Board of
County Commissioners

Mayor Herb Jensen
City of Watertown
23 Second St. NE
Watertown, SD 57201

Lonnie Bayer
Brookings County Emergency
and Disaster Services Coordinator



Water & Natural Resources

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

Water Rights Division
605 773-3352

April 23, 1986

Mayor Herb Jensen
City of Watertown
23 Second Street NE
Watertown SD 57201

Dear Mayor Jensen:

Enclosed is your Flood Control Permit No. FC-3 as approved by the State Water Management Board. Please advise if you have any questions on the Permit.

Very truly yours,

A handwritten signature in black ink that reads "John Hatch". The signature is written in a cursive, flowing style.

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 11, 1992

Gene Knadle
513 NE 3
Watertown SD 57201

Dear Mr. Knadle:

I am writing in reference to your concern about the operation of the inlet/outlet structure on Lake Kampeska.

The City of Watertown has Flood Control Permit No. FC-3 authorizing construction of a gate in the Lake Kampeska inlet/outlet structure. Ron Duvall, staff engineer with the Water Rights Division, has been in contact with Bob Day, city engineer, and Mayor Herb Jensen regarding operation of the gate. Mayor Jensen advised that the gate is open to prevent flooding around the lake during high runoff periods. The lake also provides reserve storage capacity which reduces the potential for flooding in the city.

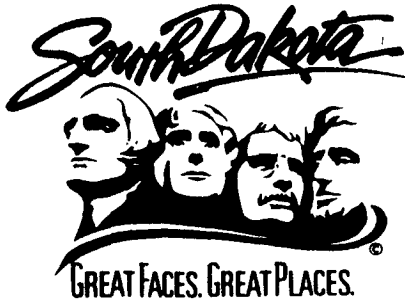
According to a qualification on the flood control permit, operation of the gate is the responsibility of the city. Mayor Jensen's explanation of why the gate is currently open does not violate any condition of the flood control permit. If you are dissatisfied with the city's operation of the gate, then you may want to discuss your concerns with the city. We have received no complaints from property owners around the lake.

If you have any questions, please contact us.

Very truly yours,

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

cc: Mayor Herb Jensen, City of Watertown
Jay Cofer, Watertown Regional Office



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 15, 1992

Jay Cofer
Watertown Regional Office
913 5th Street SE
Watertown, SD 57201-5134

Dear Mr. Cofer:

Please find enclosed copies of the Flood Control Permit FC-3, the report on Flood Control Permit FC-3 and the Recommendations of the Chief Engineer.

If you have any questions, please feel free to contact me.

Sincerely,

Lynn Beck
Natural Resources Engineer
Water Rights Division
(605) 773-3352

encl



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 5, 1996

FC-3

Tracy Turbak, Finance Officer
City of Watertown
P.O. Box 910
Watertown, SD 57201-0910

Dear Ms. Turbak:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Flood Control Permit No. FC-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

*Lake Kampeska
Inlet/Outlet Structure*

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

101-432.54 - 42200

REDIFORM 81806/01806

DATE 10-16-96 No. 2246

RECEIVED FROM City of Watertown

ADDRESS Watertown SD

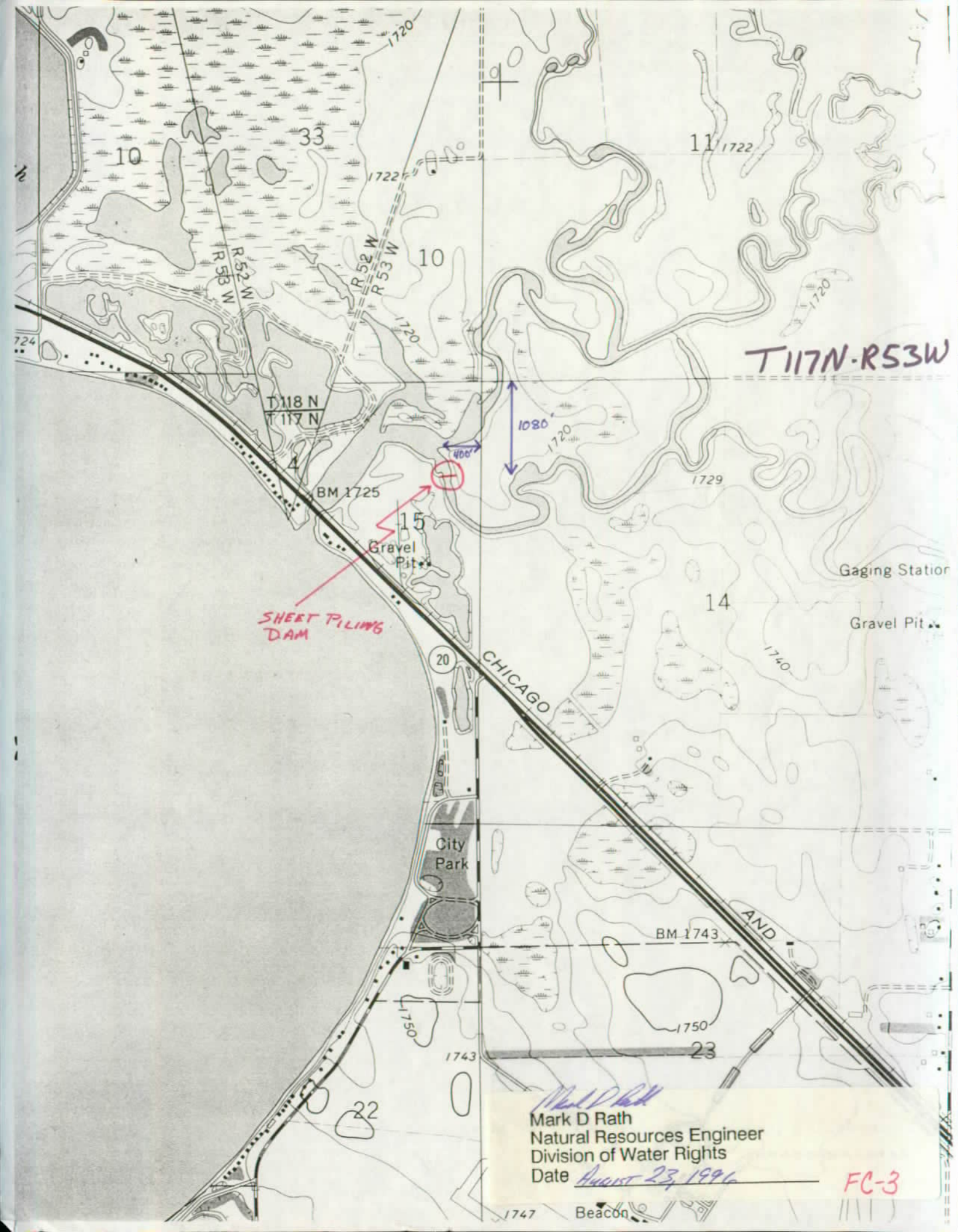
Two thousand four hundred DOLLARS \$2474⁰⁰

FOR Seventy four & no/ -

\$2474⁰⁰ - waste \$50⁰⁰ WR

ACCOUNT		HOW PAID	
AMT. OF ACCOUNT		CASH	
AMT. PAID	<u>2474 -</u>	CHECK	<u>✓</u>
BALANCE DUE		MONEY ORDER	

BY Caren Garrigan



SHEET PILING
DAM

T117N-R53W

Mark D Rath
Natural Resources Engineer
Division of Water Rights
Date August 23, 1996

FC-3

REPORT ON INSPECTION OF FLOOD CONTROL PERMIT NO. FC-3

DATE OF INSPECTION: 8/13/1996 & 10/15/1998

Contact Person & Address: Rick Schlechter, PO Box 910, Watertown, SD 57201, (605) 882-6204

PROJECT LEGAL LOCATION: from the NE corner of Sec 15 T117N-R53W:
1080 ft South and 400 ft West

Description of Flood Control Works: An existing sheet piling dam (crest elevation 1717.8 fmsl) was modified by cutting a rectangular notch 1 foot deep by 10 feet long to reduce flooding effects in Lake Kampeska. The removed section was to have a moveable control gate installed to be used as a control structure. At the time of the August 13, 1996 inspection, I was informed by Todd R. Connelly, Watertowns Public Works Director that the sheet piling dam had been heavily damaged by flood waters and ice action and the gate was not inplace. The City had discovered the structure had been damage earlier in the Summer and were working on plans to repair the damage. During the inspection (Figure 1) I found that the rectangular notch had been installed as authorized by FC-3. The damage entailed: the Big Sioux River cutting a new channel around the east end of the dam and the sheet piling structure having been heavily dented by ice.

On October 15, 1998 I made another visual inspection of the outlet structure. The sheet piling had not been repaired but a plug had been placed in the new channel and the out let was functioning.



Figure 1. The 1' X10' notch in the sheet pile dam crossing the Big Sioux River. (1996)



Figure 2. The plug in the new channel around the east end of the structure. (1998)

Flood Control Permit No. FC-3
Big Sioux River - Water District

Report Of Examination Of Works

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

On, August 13, 1996 and October 15, 1998, I made a thorough examination of the flood control project constructed by the City of Watertown of PO Box 910 holder of Flood Control Permit No. FC-3, bearing the priority of November 7, 1985 authorizing the construction and operation of the flood control project, in Codington County.

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

A. Flood Control Works

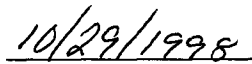
An existing sheet piling dam (crest elevation 1717.8 fmsl) was modified by cutting a rectangular notch 1 foot deep by 10 feet long to reduce flooding effects in Lake Kampeska. The removed section was to have a moveable control gate installed to be used as a control structure . The notch had been removed as authorized. At the time of the inspection, the sheet piling dam had been damaged by recent high water and ice action and the movable gate was not present.

The system is in the following condition poor. The flood control project is located from the NE corner of Sec 15 T117N-R53W: 1080 ft South and 400 ft West..

Applicable permit qualifications have been complied with: yes



Mark D. Rath
Natural Resources Engineer
DENR, Water Rights Program



Date

STATE OF SOUTH DAKOTA

FLOOD CONTROL WATER LICENSE NO. FC-3

(1) The City of Watertown, PO Box 910, Watertown SD 57201 made Application No. FC-3, November 7, 1985 for a flood control permit which authorized removal of a one foot by 10 feet section of the sheet piling outlet control structure because the control structure changes may reduce damage from flooding in Lake Kampeska. The flood control project is located in Codington County, South Dakota. Flood Control Permit No. FC-3, with a priority date of November 7, 1985 was approved March 5, 1986 and issued to the applicant for construction and operation of the project to be completed on or before March 5, 1991.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the flood control project. An existing sheet piling dam (crest elevation 1717.8 feet mean sea level) was modified by cutting a rectangular notch 1 foot deep by 10 feet long to reduce flooding effects in Lake Kampeska. The removed section was to have a moveable control gate installed to be used as a control structure. The notch has been removed as authorized. The location of the flood control project is 1,080 feet south and 400 feet west from the NE corner of Section 15-T117N-R53W (NE 1/4 NE 1/4).

(3) Pursuant to South Dakota Water Law 46-5-30.1 the City of Watertown, PO Box 910, Watertown SD 57201 the holder and/or owner of Flood Control Water Permit No. FC-3 is issued a license for flood control purposes. This license, with a priority date of November 7, 1985 is subject to any limitations or qualifications listed in Flood Control Water Permit No. FC-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer

Water Rights Program
Department of Environment and Natural Resources

JAN 21 1999

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

JAN 21 1999

Tracy Turbak, Finance Officer
City of Watertown
PO Box 910
Watertown SD 57201

FC-3

Dear Ms. Turbak:

Enclosed is Flood Control Water License No. FC-3. Flood Control Water License No. FC-3 is final document relating to completion of the flood control project.

If you have any questions concerning the enclosed license, please contact us.

Very truly yours,

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

ks

enclosure