

12/13/58

Considered: _____

WATER PERMIT NO. 1878-2

MAP No. 1878-2

Name of Applicant City of Hot Springs

Post Office Address 303 N River ST 57747

Amount of Water Claimed 5.23 Total Acres

Source of Water Supply groundwater collection galleries

Water to be used for MUN County FR

About _____ miles of City Limits

PROOF OF PUBLICATION: Received 1st 8-23-84 Not Received

APPLICATION: Approved 9-26-84 Subject to

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

PRIORITY Date Received 05/31/84 Fee 975.00 Remarks

12/13/58 From FU 512-2

Corrected Application Received Period of Annual Use 1/1 to 12/31

WATER QUALITY APPROVAL RECEIVED APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES NO REMARKS
not applicable

Diversion Point
SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 10-7S-5E and SE $\frac{1}{4}$ NE $\frac{1}{4}$ 14-7S-5E

Land to be Irrigated

Well Log: Driller Licensed YES NO

Depth of Well REMARKS

Type of Map drawn city plat PREPARED BY City Engineer Reviewed and the Number

assigned on 6/11/84 By Betty Westlund

CC NELSON

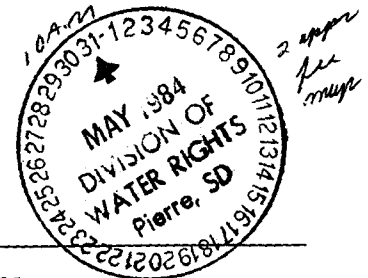
Tues

No. <u>1878-2</u>	Hydrologic Unit <u>10120109</u>
Map No. <u>1878-2</u>	Basin <u>UC</u>
Newspaper <u>STAR-Box 1000</u>	Hot Springs <u>57747</u>

Application For Permit To Appropriate Water Within The State Of South Dakota

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 ☐ _____☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☒ Construction to use water reserved by Future Use Permit No. 512-21. Name of Applicant City of Hot Springs Phone No. 745-3135Post Office Address 303 North River St State SD Zip Code 57747
(Street, RR or Box)2. Amount of water claimed (c.f.s.) 5.233. Source of water supply groundwater (collection galleries)4. Location of point of diversion NW 1/4 SW 1/4 SE 1/4 Section 10, T7S, R5E &SE 1/4 NE 1/4 Section 14, T7S, R5ECounty Fall River

5. Counties where water will be used _____

6. Annual period during which water is to be used January 1st to December 31st

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)

Renovation of existing pumping facilities will increase pumping capacity by 5.23 cfs.

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 _____)I, John P. Scheltens, City Engineer 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 John P. ScheltensSubscribed and sworn to before me this 24th day of May 1984Dein M. Schopen

Notary Public (or other qualified officer)

My commission expires 4-20-85

C-8281

City of Hot Springs

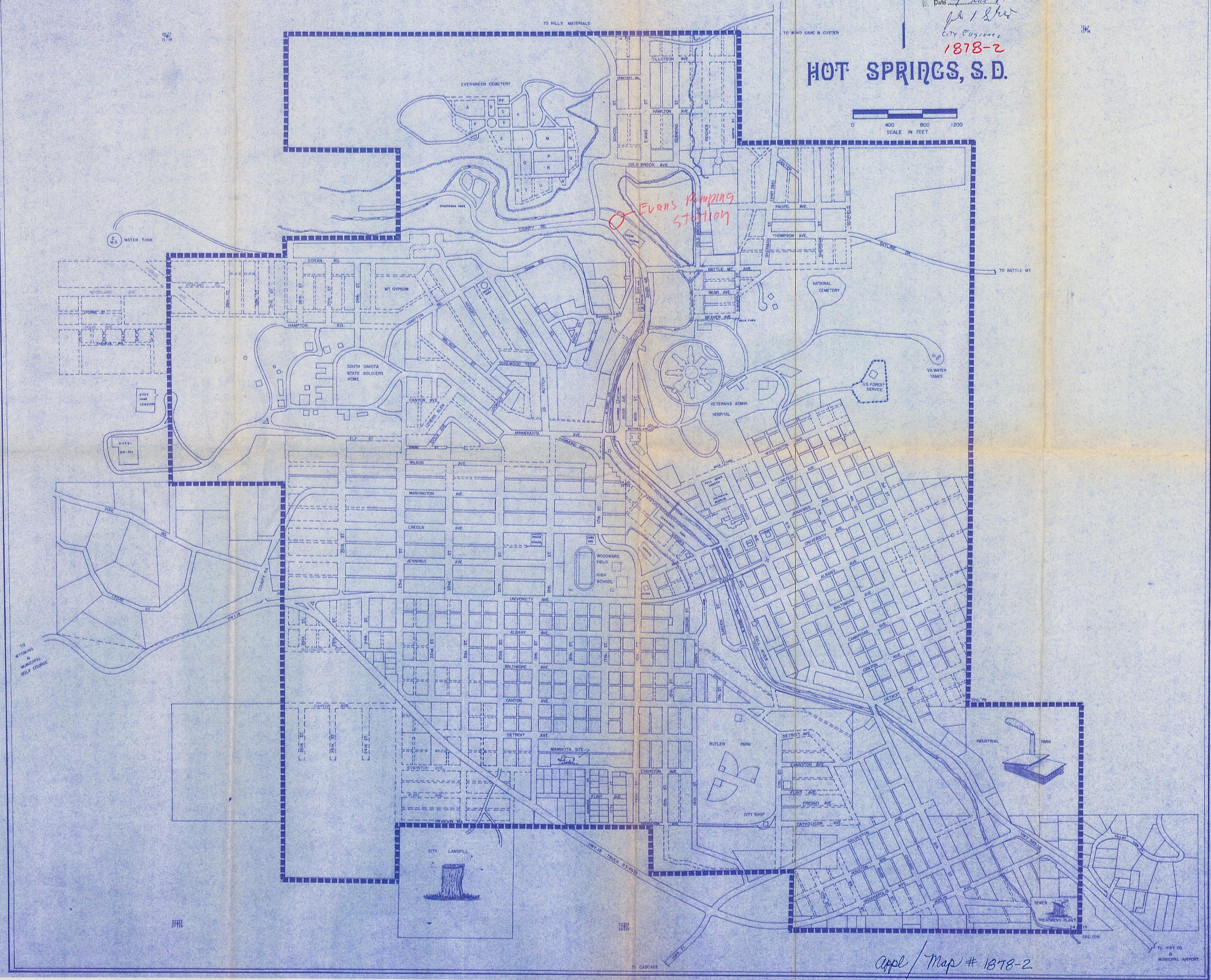
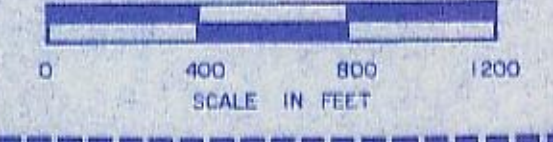
Approved

Date *7 June 84*

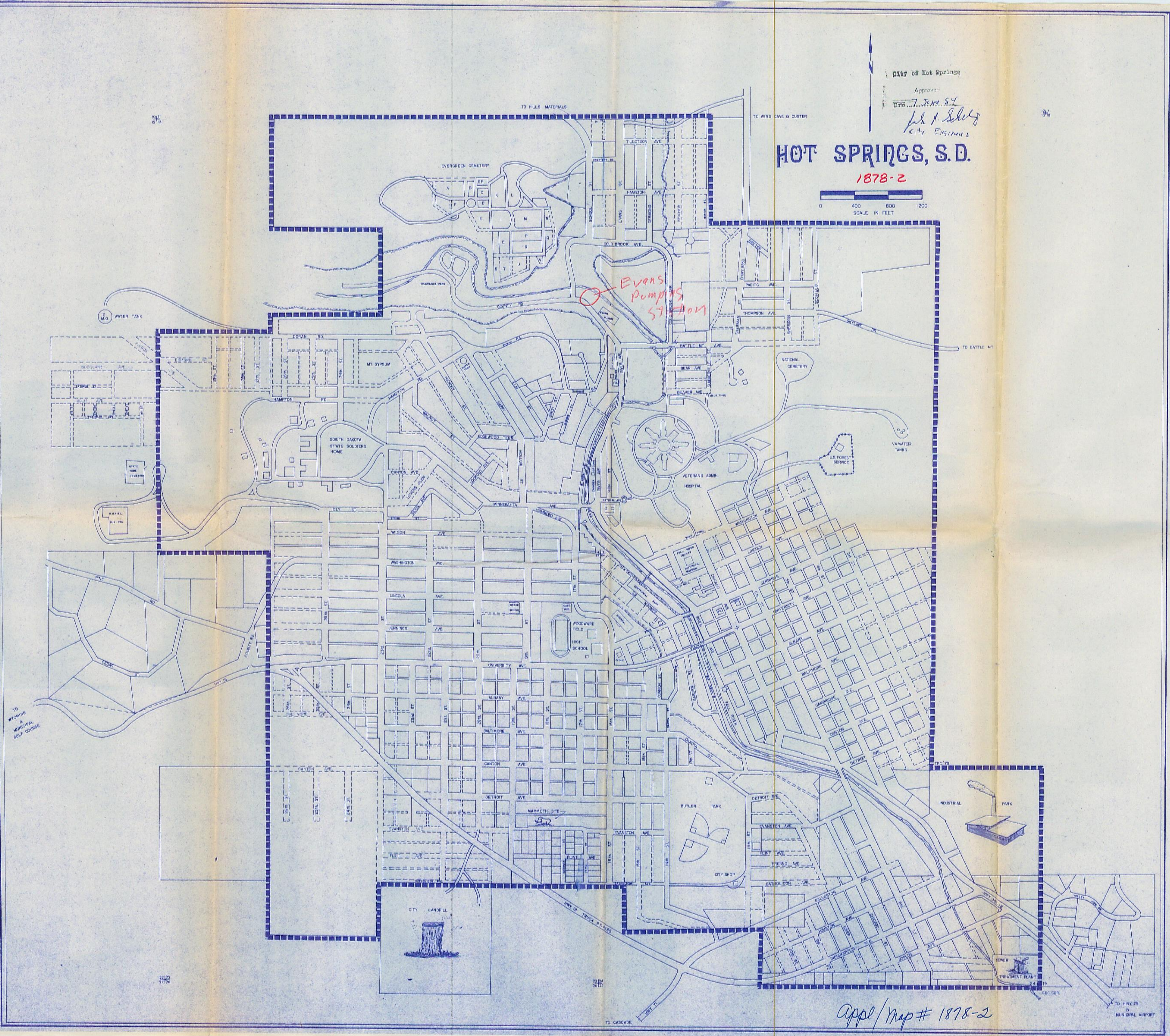
John L. Smith
City Engineer

1878-2

HOT SPRINGS, S.D.



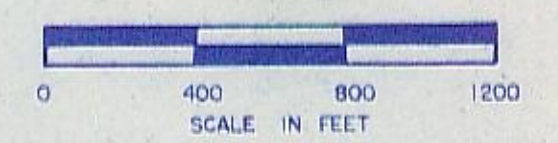
App'l Map # 1878-2



City of Hot Springs
Approved
Date Jan 24, 87
for J. Shuf
City Engineer

HOT SPRINGS, S.D.

1878-2



Appel/Map # 1878-2

22123
21176

TO HWY 39
MUNICIPAL AIRPORT

City of Hot Springs

Hot Brook
Pumping Station



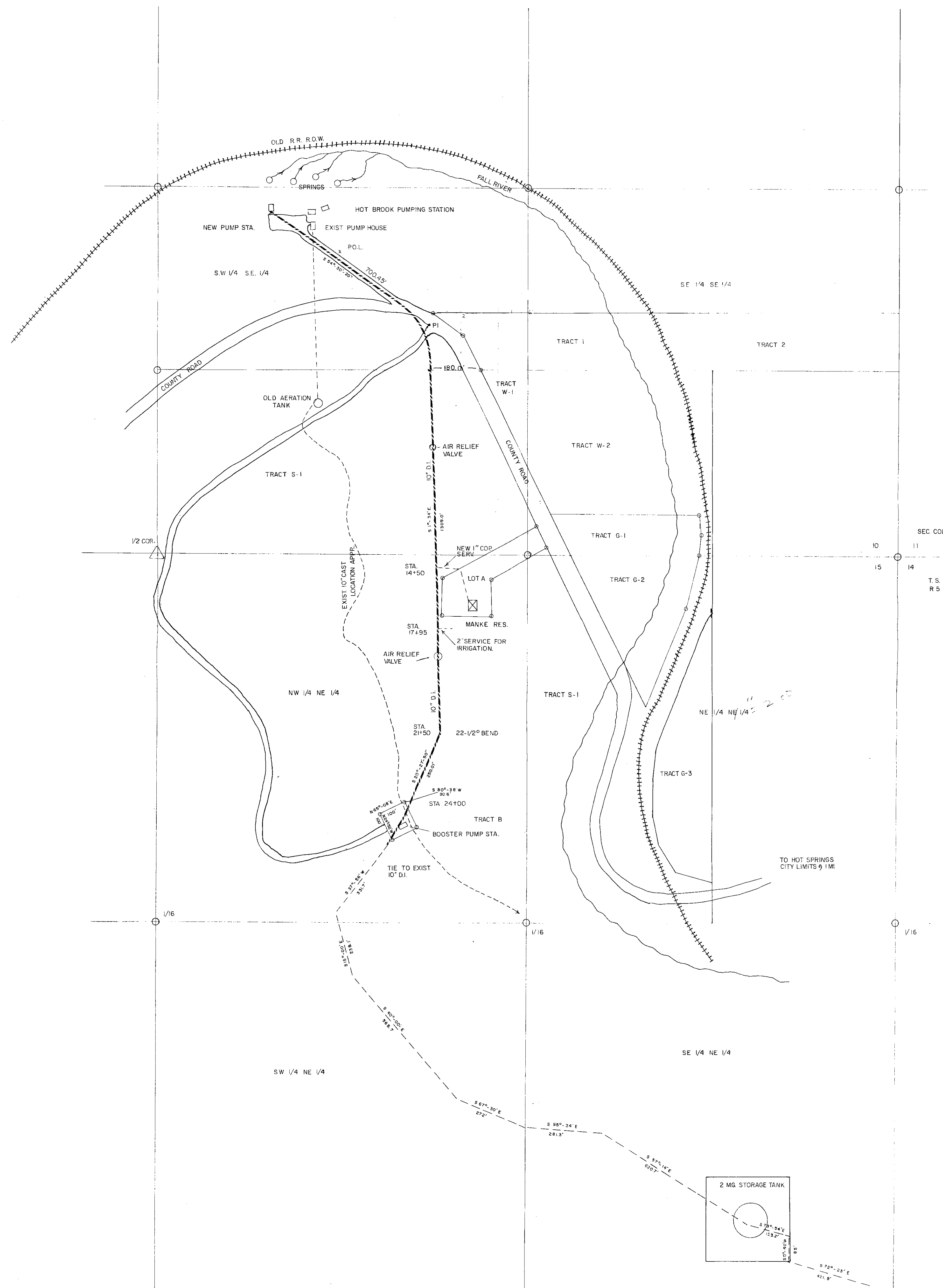
PROJECT LOCATION
PIPELINE ROUTE

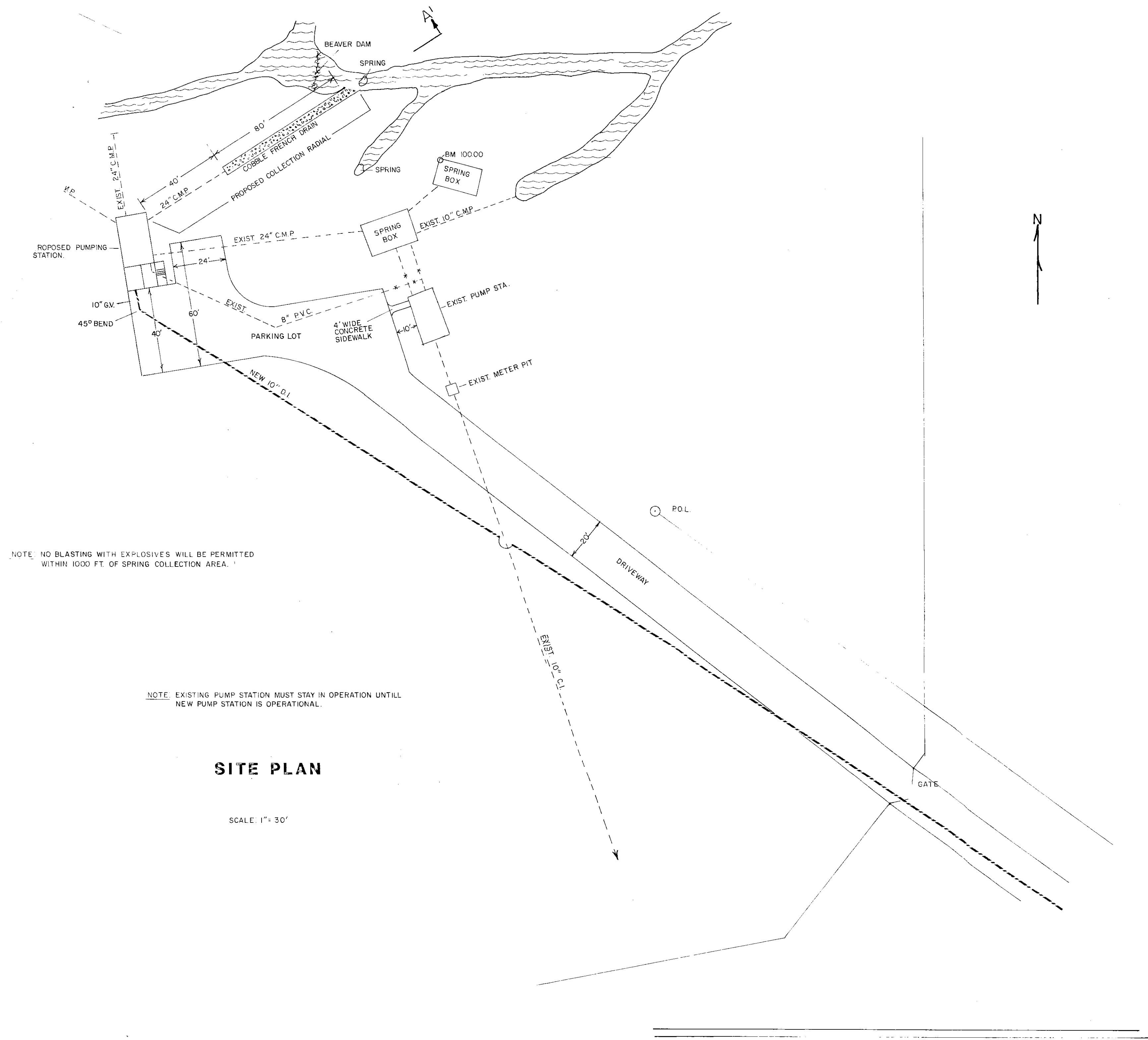
1878-2



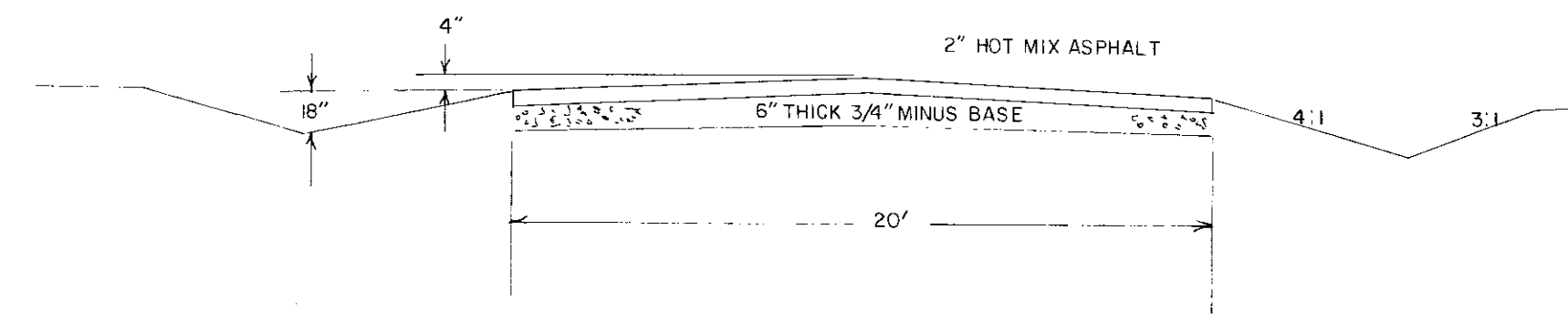
SCALE 1"=200'

PROPOSED PIPELINE



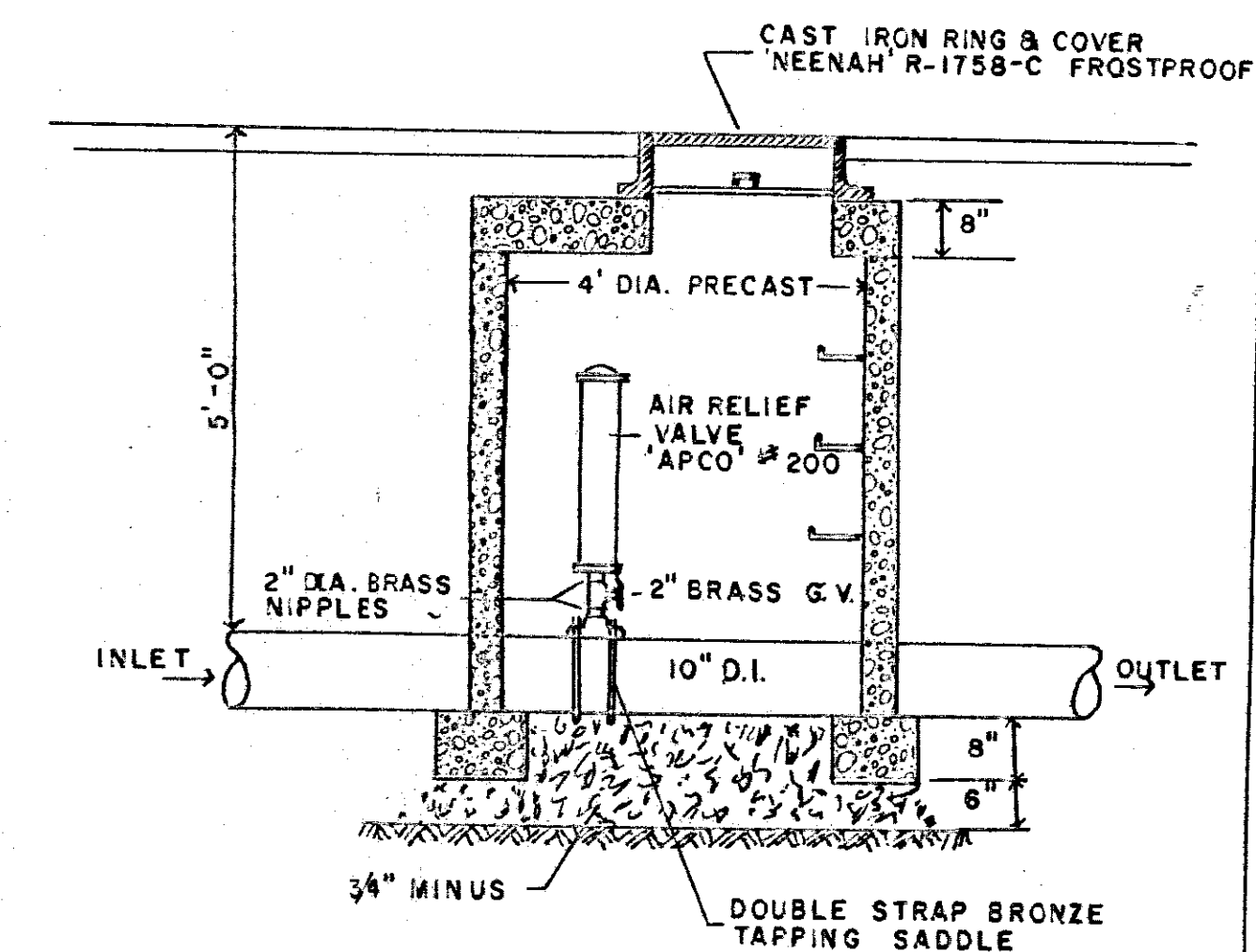


DETAIL B-10
TYPICAL PAVEMENT SECTION

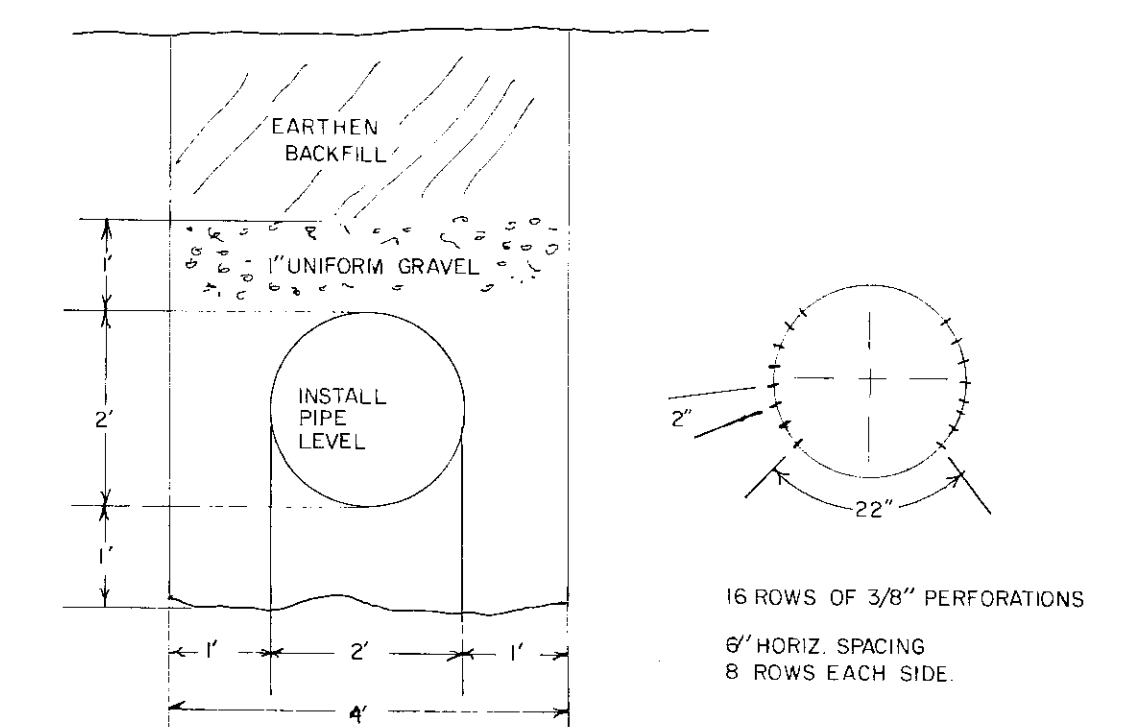
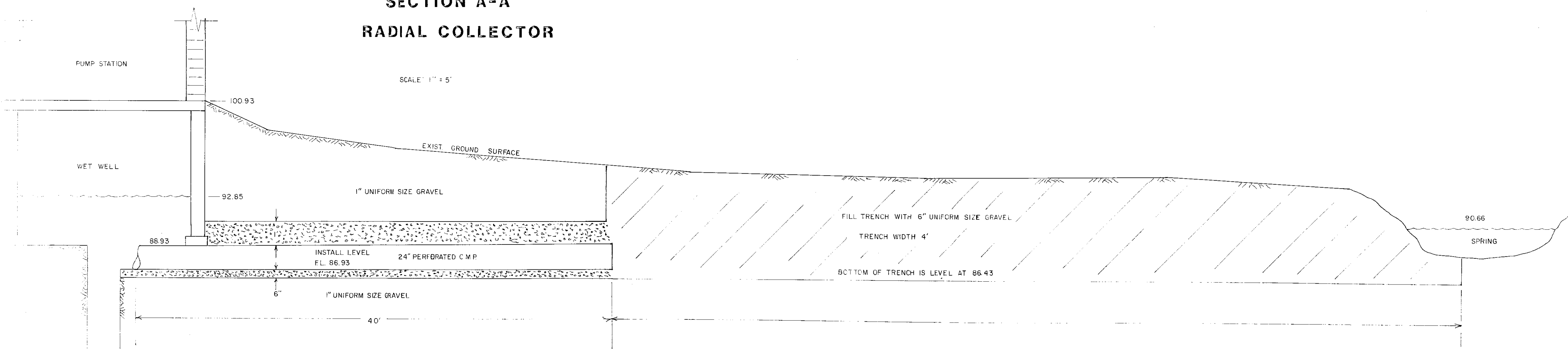


DETAIL B-8

AIR RELEASE STATION



SECTION A-A
RADIAL COLLECTOR



CITY OF HOT SPRINGS
EVANS MAIN PUMPING STATION
SITE PLAN

Bid Schedule II.- Pump Stations: NOTES:

1. General:

There is no interior room finish schedule for either pump station under this project. The City of Hot Springs will complete all interior finish work to include painting and interior coverings and finishes.

2. Evans Main Pumping Station:

Construction Work of the Main Evans Pumping Station includes all excavations, concrete, masonry, footings, foundations, walls, floors, roof, doors windows, electrical and mechanical as shown on the construction plans. The work also includes the installation of a 12' diameter cased well to a depth of 80 feet.

The City of Hot Springs is relocating the pumps and controls from existing, but no longer used, pumping station to the new Evans Main Pumping Station being constructed under this project. The City will furnish to the site of the new Evans Main Pumping Station the following equipment:

- Two each, 100 H.P. vertical Turbine Pumps, 480 VAC, 3 Phase
- Two each, motor starter cabinets w/disconnects and auxiliary contactors for the 100 H.P. Vertical Turbine Pumps.
- A Main Disconnect Switch.
- 480/120 VAC dry transformer, wall mount
- 120 VAC, 225 Amp breaker distribution panel
- Chlorinator Booster Pump, 10 H.P., 480 VAC, 3 Phase
- Two each, electric valves, 120 VAC
- Unit Heater for Chlorine Room

The City will install the two vertical turbine pumps, the booster pump, and the two electric valves and the remainder of the process piping. It is contractors responsibility to mount and install the electrical cabinets, motor starter, disconnects and the transformer. It is also the contractors responsibility to wire all the pump motors, electric valves and related devices, as well as to provide any and all additional electrical parts and equipment to provide a finished and complete the installation.

In addition to the above equipment, the City will provide the control system cabinet. The contractor shall mount the cabinet on the wall as shown in the plans. The City will be responsible for the internal wiring in the control panel. The contractor shall provide 120 VAC, 20 amp. power to the control cabinet. The Contractor shall also install control wires (pairs of #14 gauge, in steel conduit) between the control cabinet and the following locations:

- The duplex outlet that services the fluoride chemical feed pump in the chlorine room.
- The contactor for the chlorinator booster pump.
- The energizing coil for an electric valve along the west wall of the pump room.
- The energizing coil for an electric valve located in a concrete vault approximately 200 L.F. from the Evans Pumping Station (see site plan sheet # , use direct bury cable. City will dig and backfill trench).

3. Demolition of Existing Evans Pump House:

The City of Hot Springs will remove the roof and walls of the existing Evans Pump House building prior to construction.

4. Booster Pump Station:

Construction Work of the Evans Booster Pumping Station includes all excavations, concrete, masonry, footings, foundations, walls, floors, roof, doors windows, electrical and mechanical as shown on the construction plans.

The work does not include supplying nor installing the process piping and pumps, but does include electrical wiring of the pumps. The City will supply the pumps, motors, motor starters, main disconnect, and control cabinet. The City will install the pump and connect the control system. The contractor is responsible for supplying and installing all other electrical components to include the service entrance, load center, and the 480/120 VAC dry transformer.

NOTE:

ALL UNDERGROUND UTILITY WORK EXCEPT ELECTRICAL SERVICE IS NOT PART OF THE CONTRACTOR'S RESPONSIBILITY. THE CITY OF HOT SPRINGS WILL BE RESPONSIBLE FOR ALL UNDERGROUND UTILITY WORK TO AND FROM THE PUMPING STATION.

SCALE: 1" = 20'

EVANS MAIN PUMPING STATION

SCALE: 1" = 20'

DATE: 10/27/94

DRAWN BY: JPS/TLB

DRAWING NUMBER

8

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1878-2
City of Hot Springs 303 N. River ST.
(Applicant) (Post Office Address)
South Dakota 57747 With the following qualifications.
(State) (Zip Code)

Water claimed on this Application was reserved by
 Future Use Permit No. 512-2

Date of first receipt of application May 31, 1984.
 Date of return to applicant for correction, amendments or changes required —, 19—.
 Date of receipt of corrected application —, 19—. Approved September 26, 1984.

The Water Management Board hereby approves this Water Permit No. 1878-2 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is December 13, 1958.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before March 26, 1987.
3. The whole of said work is to be completed on or before September 26, 1989.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is September 26, 1993.
5. The water appropriated shall be used for the purpose of municipal water supply
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 unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 5.23 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 served and to which water is actually and beneficially applied for Municipal Use on or before September 26, 1993; said water to be used during the following described annual period: CONTINUOUS

WATER MANAGEMENT BOARD
 By: John Hatch
Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources
10-23, 1984

RECEIPT

Division of Water Rights

No 4 9675 -

South Dakota Department of Water and Natural Resources

Pierre, May 31 $\frac{1}{2}$, 19 84

RECEIVED OF City of Hot Springs, 303 North River Street, Hot Springs, SD 57747

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____	975	00
Fee for Application for Permit No. 1878-2 to Appropriate Water for Future Use No. 512-2		
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	975 00

By John Hatch
Chief Engineer JOHN HATCH ms

REPORT ON APPLICATION NO. 1878-2

CITY OF HOT SPRINGS

August 1, 1984

This application proposed to divert 5.23 cfs from Alluvium along the Fall river. This water has been appropriated under future use Permit No. 512-2. The points of diversion are located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10 and SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14 in T7S, R5E.

AQUIFER - Alluvium along the Fall River

DISCUSSION

This is a renovation of the existing facilities for the City of Hot Springs and will increase the pumping capacity by 5.23 cfs. These are infiltration gallery type wells and are approximately 16' to 22' deep. The source of water is technically ground water, but will be sustained by the flows of the Fall River and could be considered as a river diversion.

CONCLUSIONS

1. Water is available from Hot Springs future use No. 512-2.
2. The city should be aware of construction problems which may be encountered. There are no plans and specifications submitted with this application.
3. It is doubtful the city will use this much water and when licensed whatever amount is not used will revert back to Future Use No. 512-2.


JAMES A. GOODMAN
Hydrologist

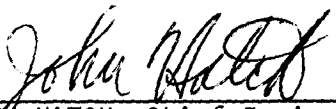
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT

APPLICATION NO. 1878-2

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 Water Permit Application No. 1878-2, City of Hot Springs, 303 North River Street, Hot Springs, South Dakota.

The Chief Engineer is recommending APPROVAL of Application No. 1878-2 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
August 3, 1984

Instruction to Newspaper - Publish first publication of the following Notice on or before **August 14, 1984** with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. **1878-2** ~~to appropriate water~~ **/to develop reserved water**
~~and/or to Amend Water Permit or Water Rights No.~~

Notice is hereby given that **the City of Hot Springs** whose mailing address is **303 N. River Street, Hot Springs,** South Dakota has made an application for a permit

to construct works and place to beneficial use 5.23 cubic feet per second of water appropriated and reserved by Future Use Permit No. 512-2. The water will be from groundwater (collection galleries) located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 10, and SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, both in Twp 7S-Rge 5E. The water will be used for Municipal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends **APPROVAL** of Application No. **1878-2** because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at **Civil Defense Room, Capitol Building, Pierre, South Dakota, September 26** **1984** at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to make a determination on this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by **September 14, 1984**. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-5-1 thru 46-5-16, 46-5-24, 46-5-25, 46-5-30.2, 46-5-31; 46-2A-1 thru 46-2A-10, 46-2A-12; (ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) 46-5-38 thru 46-5-40; (transfer lands) ~~46-5-30.4, 46-5-33 thru 46-5-35, (10,000 AFA) 46-5-20.1, 46-5-0.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25, (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.~~

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNr, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by **September 14, 1984**.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Fall River) ss.

I, Charles Najacht hereby

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

Water was taken from the Hot Springs Star

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 Hot Springs

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

August 14, 1984

August 21, 1984

Charles Najacht
(Signature)

Publisher
(Title)

August 21, 1984
(Date Signed)

Cost of Printing: \$37.94

represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWRN, Joe Foss Bldg., Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by September 14, 1984. Aug. 14, 21



264
NOTICE OF HEARING
ON APPLICATION NO. 1878-2
TO DEVELOP
RESERVED WATER

Notice is hereby given that the City of Hot Springs, whose mailing address is 303 N. River Street, Hot Springs, South Dakota has made an application for a permit to construct works and place to beneficial use 5.23 cubic feet per second of water appropriated and reserved by Future Use Permit No. 512-2. The water will be from groundwater (collection galleries) located in the SW 1/4 SE 1/4, Section 10, and SE 1/4 NE 1/4 Section 14, both in Twp 7S-Rge 5E. The water will be used for Municipal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1878-2 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Civil Defense Room, Capitol Building, Pierre, South Dakota, September 26, 1984, at 10:00 a.m.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to make a determination on this application after it reaches a conclusion based upon facts presented at the public hearing.

Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by September 14, 1984.

The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-5-1 thru 46-5-16, 46-5-24, 46-5-25, 46-5-30.2, 46-5-31; 46-2A-1 thru 46-2A-10, 46-2A-12; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

October 23, 1984

John P Scheltens, City Engineer
City of Hot Springs
303 N River St.
Hot Springs SD 57747

Dear Mr. Scheltens:

Enclosed herewith is your Water Permit No. 1878-2 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 1878-2.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that your Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John Hatch". The signature is written in a cursive, flowing style.

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

enclosure

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period-i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.

Water Rights Program - File Documentation

NAME: City of Hot Springs

ADDRESS: Hot Springs SD

DATE: 10-21-97 **COUNTY:** FR

RE: Future Use Permit No. 512-2

COMMENTS:

Water Permit No. 1878-2 authorized:	5.23 cfs
Investigation found system capable of diverting:	<u>- 4.83 cfs</u>

Reverting back to future use:	0.40 cfs
-------------------------------	----------

Karen Schlaak
Karen Schlaak
Environmental Scientist



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 14, 1995

1878-2

Cheryl Wait, Finance Officer
City of Hot Springs
303 North River Street
Hot Springs, SD 57747-1698

Dear Ms. Wait:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 1878-2, 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

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

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.

RECEIPT

414682

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ November 28, 19 95

RECEIVED OF City of Hot Springs, Hot Springs, SD 57747

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
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. <u>1878-2</u>		5000
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	5000

By John Hatch 
Chief Engineer

Permit No. 1878-2
Upper Cheyenne - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

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

I have this day, 8/16/1995, made a thorough examination of the water use system owned by the City of Hot Springs of 303 North River Street, Hot Springs, SD 57747, holder of Permit No. 1878-2, bearing the priority of December 13, 1958 (from FU 512-2), authorizing the diversion of 5.23 cu. ft. per second of the waters of groundwater for municipal purposes, in Fall River County.

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

A. Works used to divert the water:

At Evans Pumphouse: Two identical pumps, 1170 gallons per minute capacity of each.

Two identical motors, 100 horse power each.

At Hot Brook:

Two identical pumps, 1000 gallons per minute capacity of each.

Two identical motors, 125 horse power each.

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

2080 feet of 12 inch PVC pipe

3 miles of 12 inch Iron pipe.

C. Works used to apply water to beneficial use:

Water is used in the City of Hot Springs for municipal uses.

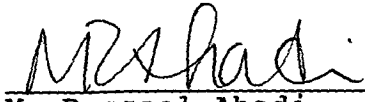
The system is in the following condition Good. The points of diversion are located at Evans Pumphouse: about 240 feet west, 2170 feet south from the northeast corner of Section 14, T7S-R5E (SE1/4 NE1/4); Hot Brook Pumpsite: about 2260 feet west, 1110 feet north from the southeast corner of Section 10, T7S-R5E (SW1/4 SE1/4). The works are capable of diverting and conveying to the place of use 9.67 cu. ft. per second of water which is used for municipal uses.

The license should be issued for 4.83** cfs.

Applicable permit qualifications have been complied with: Yes ☒ No

Exceptions to compliance are: None Date Report Completed: 11/3/1995

**** Only one of the pumps at each site is used at any time to divert water.**



M. Rassool Ahadi
Natural Resources Engineer
DENR, Water Rights Program

REPORT ON INSPECTION OF PERMIT NO. 1878-2

Other permit(s) associated with the project: FU 512-2

DATE OF INSPECTION: 8/16/1995

NAME & ADDRESS OF PERMIT HOLDER: The City of Hot Springs, 303 North River Street, Hot Springs, SD 57747

DIVERSION POINT LEGAL LOCATION: SE1/4 NE1/4 Section 14, T7S-R5E, Evans Pumphouse

WELL INFORMATION:

- 1) Well Drilling Firm: **Unknown**
- 2) No. of Wells **1**
- 3) Depth(s) **80** feet
- 4) Well log is available N
- 5) Comment: **The well is more a gallery than a well.**

Casing:

- 1) Diameter **16** inches
- 2) Length **20** feet
- 3) Type **Concrete**

Screen:

- 1) Type **Concrete**
- 2) Length **60** inches
- 3) Static water level **60** feet

Two pumps:**

- 1) Make **GE**
- 2) Model
- 3) Size
- 4) Capacity **1170 GPM****

**** Two identical pumps. Only one of the pumps runs at any time.**

Two motors:

- 1) Make **GE**
- 2) Model No. **SK6257X500B**
- 3) Horsepower rating **100 hp**

DISTRIBUTION LINES OR CANALS:

- 1) Type **PVC**
- 2) Size **12** inches
- 3) Length **2080** feet

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit NA
- 2) Special qualifications to permit being abided by Y
- 3) All structures, wells on map Y
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period NA

REPORT ON INSPECTION OF PERMIT NO.1878-2

Other permit(s) associated with the project: FU 512-2

DATE OF INSPECTION: 8/16/1995

NAME & ADDRESS OF PERMIT HOLDER: The City of hot Springs, 303 North River Street, Hot Springs, SD 57747

DIVERSION POINT LEGAL LOCATION: SW1/4 SE1/4 Section 10, T7S-R5E, Hot Brook pump station.

WELL INFORMATION:

- 1) Well Drilling Firm: **Unknown**
- 2) No. of Wells **1**
- 3) Depth(s) **24** feet
- 4) Well log is available **N**
- 5) Comment: **The well is more a gallery than a well**

Casing:

- 1) Diameter **30-175** inches
- 2) Length **22** feet
- 3) Type **Concrete**

Screen:None

- 1) Type
- 2) Length feet
- 3) Static water level **15** feet

Pump: #1/#2

- 1) Make **US Electric/GE**
- 2) Model
- 3) Size
- 4) Capacity **1000/1000** GPM

Motor:

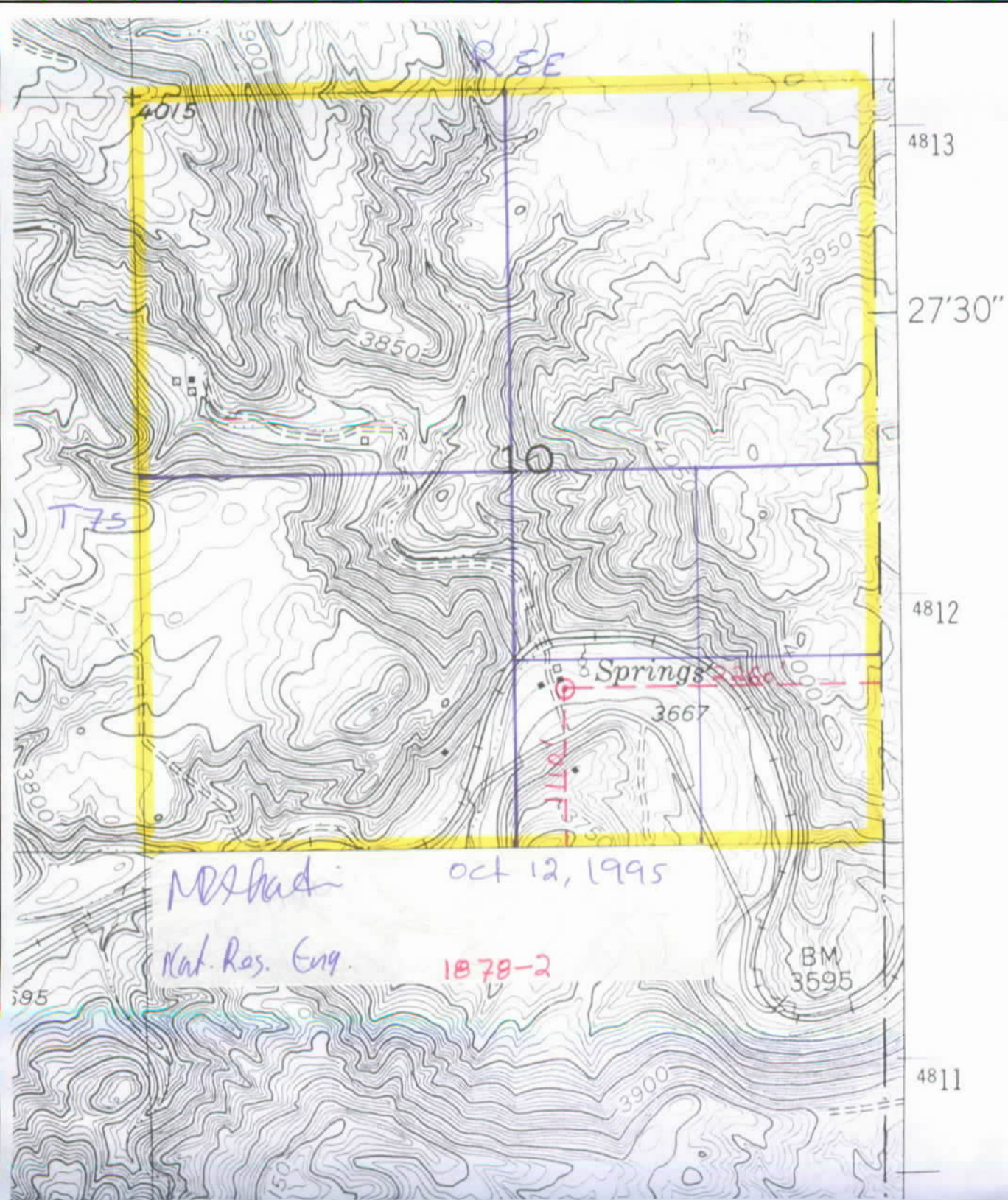
- 1) Make **US Electric/GE**
- 2) Model No. **445TPWPI/5K445DP7012B**
- 3) Horsepower rating **125/125** hp

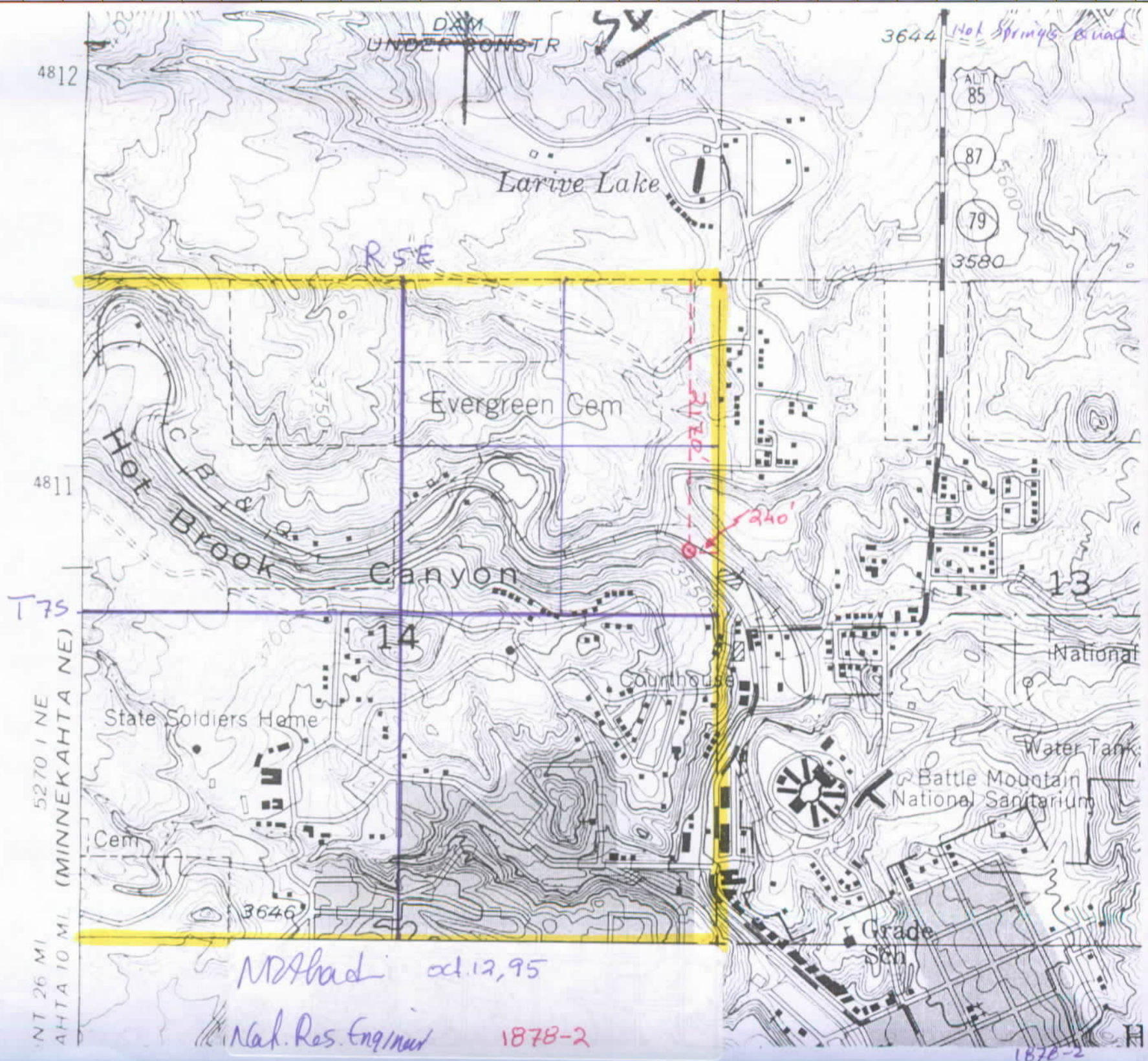
DISTRIBUTION LINES OR CANALS:

- 1) Type **Iron**
- 2) Size **12** inches
- 3) Length **15,840** feet

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit **NA**
- 2) Special qualifications to permit being abided by **Y**
- 3) All structures, wells on map **Y**
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **NA**





STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1878-2

(1) The City of Hot Springs, 303 North River Street, Hot Springs SD 57747 made Application No. 1878-2, May 31, 1984 for a water permit to divert 5.23 cubic feet of water per second from groundwater (two collection galleries), Fall River County, South Dakota for municipal use purposes. Permit No. 1878-2, with a priority date of December 13, 1958 (established by Future Use Permit No. 512-2) was approved September 26, 1984 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before September 26, 1989 and for the application to beneficial use of said water on or before September 26, 1993.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 4.83 cubic feet of water per second for beneficial use. The location of the diversion points are: Evans Pumphouse - 240 feet west and 2170 feet south from the northeast corner Section 14-T7S-R5E (SE 1/4 NE 1/4) and Hot Brook Pumpsite - 2260 feet west and 1110 feet north from the southeast corner of Section 10-T7S-R5E (SW 1/4 SE 1/4).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use for the City of Hot Springs.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Hot Springs, 303 North River Street, Hot Springs SD 57747 the holder and/or owner of Water Permit No. 1878-2 is issued a license to appropriate water, the right to use 4.83 cubic feet of water per second from groundwater (two collection galleries) with a priority date of December 13, 1958 (established by Future Use Permit No. 512-2) from the locations specified in (2) of this license, for municipal use. This license is subject to any limitations or qualifications listed in Water Permit No. 1878-2 and subject to South Dakota State Law.



JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 27 1998

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

FEB 27 1998

1878-2

City of Hot Springs
%Cheryl Wait, Finance Officer
303 North River Street
Hot Springs, SD 57747

Dear Ms. Wait:

Enclosed is Water License No. 1878-2 and Receipt No. 414682 for \$50.00 which was assessed for an investigation and issuance of the license. Water License No. 1878-2 is the final document which completes the process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

Very truly yours,

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

ks
enclosures

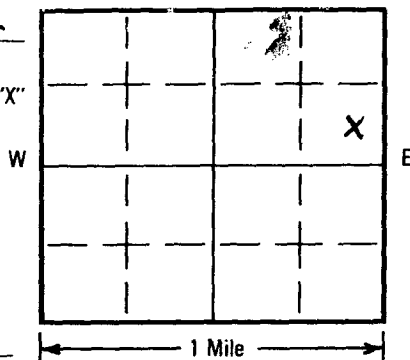
SOUTH DAKOTA WATER WELL COMPLETION REPORT

1878-2

07-92

Location SE 1/4 NE 1/4 Sec 14 Twp 7S Rg 5E
County Fall River North

Please mark well location with an "X"



Well Completion Date

5-5-03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? >1000 ft. from _____ (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☒ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

mud rotary

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>78 LB/FT</u>	<u>16 IN</u>	<u>0 FT</u>	<u>82 FT</u>	<u>26 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>cement</u>	<u>20</u>	<u>15 lb./gal</u>	<u>0 ft</u>	<u>10 ft</u>
<u>bent chips</u>		<u>lb./gal</u>	<u>49 ft</u>	<u>31 ft</u>

Describe grouting procedure bent chips from 13-10

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 16 IN Length _____ FEET

Material steel torch cut slots

Slot Size 1/2" x 12" Set From 15 Feet to 30 Feet

Other information 51 to 56 + 65-76

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: chlorine solution

Laboratory sent to for water quality analysis _____

_____, NO, Why Not? _____

Well Owner: City of Hot Springs

Business Name: City of Hot Springs

Address: 303 North River Street

Hot Springs, SD 57747

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
fill (crushed rock)	0	4
clay red	4	14
coarse gravel	14	31
red shale	31	48
limestone red,	48	82
yellow + white w/ fractured areas		

STATIC WATER LEVEL 10 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

30 ft. After 3 Hrs. pumped 2500 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

gravel packed from 82-49 + 13-31 w 2" washed graded gravel

This well was drilled under license # 331

And this report is true and accurate.

Drilling firm Taylor Drilling Co.

Signature of License Representative: _____

Ralph Taylor

RECEIVED

JAN 28 2004

Signature of Well Owner or Equitable Property Holder: _____

WATER RIGHTS PROGRAM

Date: 1-23-04

1-28-04



1878-2
**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

February 5, 2004

City of Hot Springs
John Scheltens, City Engineer
303 N River St
Hot Springs SD 57747

Dear Mr. Scheltens:

I am writing in regard to a well driller's report filed by Taylor Drilling Co. The report shows a new well was completed for the City on May 5, 2003. The report indicates the new well is located in the SE ¼ NE ¼ Section 14-T7S-R5E. A review of our files finds that Water Right No. 1878-2 authorizes 4.83 cubic feet of water per second from two wells. The wells are located in the SE ¼ NE ¼ Section 14 (Evans Pumphouse) and SW ¼ SE ¼ Section 10 (Hot Brook Pumpsite); all in T7S-R5E. Is this a replacement well or an additional well?

South Dakota Codified Law 46-5-13.1 provides that a point of diversion may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the Chief Engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Mr. Scheltens, please let us know the status of this well. We can then determine if an additional permit is required or what action, if any, needs to be taken.

If you have any questions, please contact Eric Gronlund or me. We will be happy to assist you in any way possible.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352

Schlaak, Karen1878-2

From: Gronlund, Eric
Sent: Friday, February 13, 2004 4:45 PM
To: Schlaak, Karen
Cc: Erbele, Garland
Subject: City of Hot Springs

Karen, you sent a letter to John Scheltens, city engineer, in response to a well completion report we received. Mr. Scheltens explained that this was a hole into their collection gallery at their Evans Plunge site so they could set up a redundant pump system. Basically this is a back up system at the same location as their permitted source in the event the pump goes down. They have not changed the diversion point nor will they increase their diversion rate over the permitted amount.

Mr. Scheltens came in about a year ago and talked to Garland about this. I vaguely remember the conversation. I checked the files for WR Nos. 511-2 and 1878-2 and we allowed something similar to this in 1995.

He did say at some point in the future as the possibility of a regional water distribution system to serve other community and ranchers in the area materializes, they will likely come in for an increase in their diversion rate. They have a tremendous water resource there and it would logically that Hot Springs would be looked at to supply water. But that is down the road.