

1. Considered June 17, 1959 Appl. No. 528-2
2. Name of Applicant W. Dean Evans, Supt. Washmore
3. Post Office Address Key Stone Co. 14th
4. Amount of water claimed 10,000 cfs
5. Source of water supply Gravelly Box Spring
6. Water to be used for Fire Protection, Public Recreation,
Acres to be irrigated and restaurant.
7. Water to be diverted and used in Runnigton County about
_____ miles _____ of 14th Washmore
8. Proof of Publication Received ✓
Not Received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____
10. Remarks:

No. 528-2

Water Division No. 2 Battle Creek
(Blanks to be filled by the Engineer for the W. R. C.)

District

MAY 1 1959

STATE WATER RESOURCES COM. L.

PIERRE, SOUTH DAKOTA

Initially received
March 24, 1959 at 9:00am
PerAPPLICATION FOR PERMIT
To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable.)

1. Name of applicant W. Leon Evans, Superintendent
Mount Rushmore National Memorial
- Postoffice address Keystone, County Pennington, State South Dakota

I. If a corporation

- (a) Name of same
- (b) Date and place of incorporation
- (c) Amount of capital stock
- (d) Amount paid in
- (e) Names and addresses of directors

(NOTE--A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

- (a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

Contract

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

Appropriations

2. Name of diversion work Grizzly Bear Spring Water System
3. Amount of water claimed 0.0023 cubic feet per second
4. Source of water supply Grizzly Bear Spring
5. Location of point of diversion S 38° 34' W, 2218.3 feet from the E₁ Cor., Sec. 18, T 2 S, R 6 E B1M in the NW 1/4 of said Section on Pennington County.
6. Annual period or periods during which water is to be used Continuously
7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?

- (a) Number of acres to be irrigated _____ acres.

where water is to be used

- (b) Legal subdivisions
- to be irrigated
- SE 1/4 NE 1/4 and NE 1/4 SE 1/4, Sec. 18, T 2 S, R 6 E B1M

(NOTE--A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

- (c) Statement as to domestic use (giving location, etc.)
- see (7)(1)(6) above

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

- (a) Nature of use
- fire protection, public recreation, and restaurant
-
- Name any of the above uses claimed

- (b) Amount of power to be generated _____ horse power.

Amount claimed for engine cooling _____

- (c) Location of plant _____

- (d) Method of developing power _____

- (e) Point where water will be returned to stream _____

Map No. 512-2

8. Estimated cost of work:

Water System

(a) Head Gates, \$.....

(b) Pumping plant, \$ 4,500

(c) Fluming, \$.....

(d) Canal-earth, \$.....

Rock, \$.....

(e) Other structures

\$.....

Total, \$.....

9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

II. Dimensions of works:

(a) Dam: Height.....feet; length at bottom feet; length at top

.....feet; thickness at bottomfeet; thickness at top

feet; slope at front water face; slope at back face

material used in construction

(b) Reservoir: Capacity when filledacre feet. Surface area at highwater mark.....acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET--ACRES	FEET	ACRE-Feet CAPACITY

(c)* Head gate: Width.....feet; height

Material

(d) Canal: Total lengthmiles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At Mile	 feet	 feet	 feet	 feet
At Mile	 feet	 feet	 feet	 feet
At Mile	 feet	 feet	 feet	 feet
At Mile	 feet	 feet	 feet	 feet
At Mile	 feet	 feet	 feet	 feet
At Mile	 feet	 feet	 feet	 feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work1.....years.

11. Time required for complete application of water to the proposed beneficial use1..... years.

12. Choice of newspaper for publication of notice of intention to appropriate
Rapid City Daily Journal, Rapid City, South Dakota

STATE OF SOUTH DAKOTA

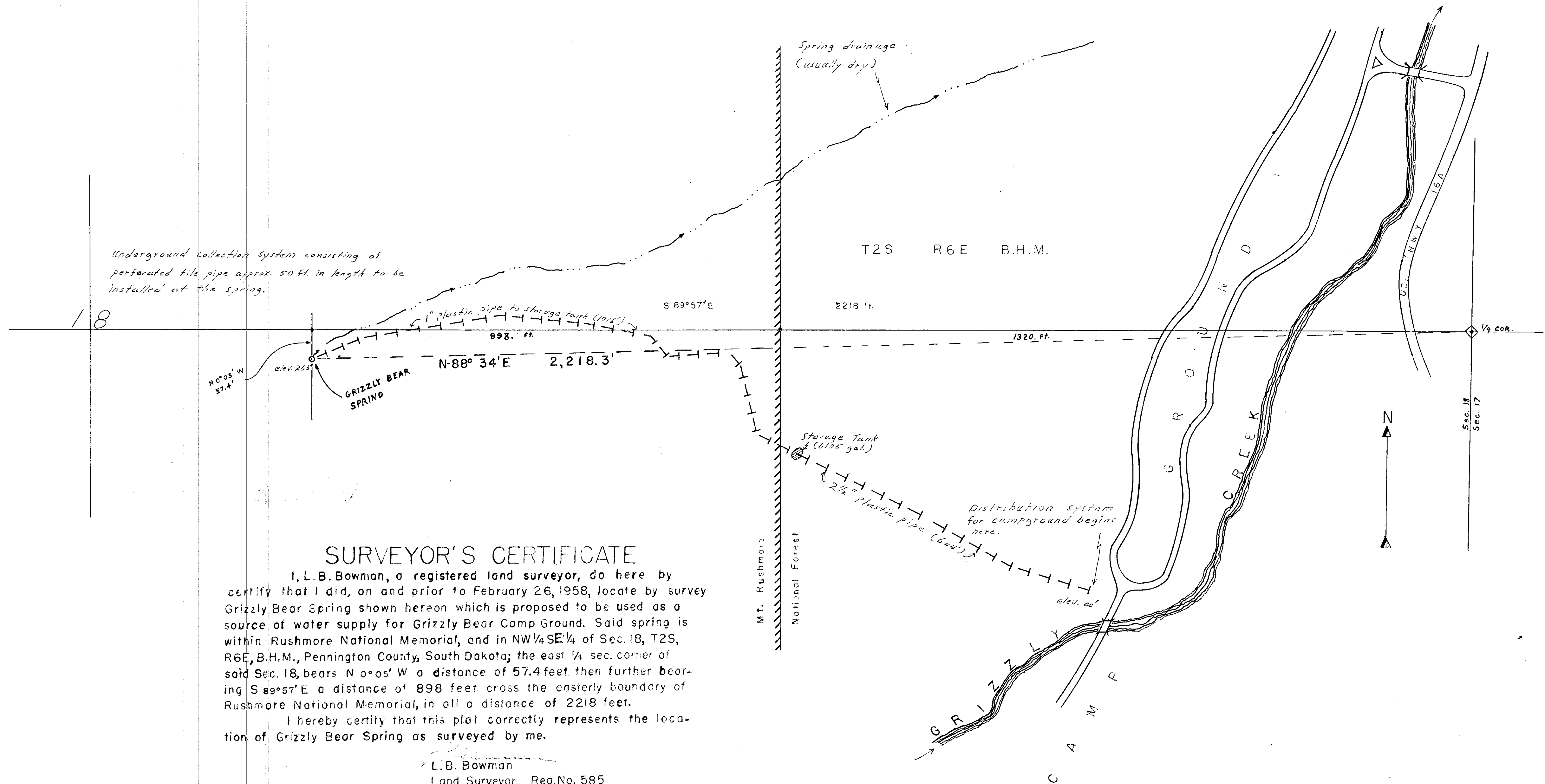
County of Pennington } ss.

I,, being first duly sworn, Supt.
on my oath depose and say: That my relation to the above described undertaking is that of owner; that I have
read the above foregoing statement, examined the map accompanying the same, and that I know of my own
personal knowledge that the matters therein stated and shown are true.

Signed W. Leon Evans, Superintendent

Subscribed and sworn to before me this 27 day of April 1957

Maria M. Hester
Notary Public (or other qualified officer.)



SURVEYOR'S CERTIFICATE

I, L.B. Bowman, a registered land surveyor, do here by certify that I did, on and prior to February 26, 1958, locate by survey Grizzly Bear Spring shown hereon which is proposed to be used as a source of water supply for Grizzly Bear Camp Ground. Said spring is within Rushmore National Memorial, and in NW 1/4 SE 1/4 of Sec. 18, T2S, R6E, B.H.M., Pennington County, South Dakota; the east 1/4 sec. corner of said Sec. 18, bears N 0° 05' W a distance of 57.4 feet then further bearing S 89° 57' E a distance of 898 feet cross the easterly boundary of Rushmore National Memorial, in all a distance of 2218 feet.

I hereby certify that this plat correctly represents the location of Grizzly Bear Spring as surveyed by me.

L.B. Bowman
Land Surveyor Reg. No. 585

State of So. Dakota
County of Custer

On this 2 day of September, 1958, before me, a notary public in and for said state and county, personally appeared L.B. Bowman, known to me to be the person described in, and who executed hereon the Surveyor's Certificate.

John Brumfield
Notary Public

SUPPLEMENTAL STATEMENT

The DIRECT TIE between the Spring and the E 1/4 Corner of Sec. 18 as shown on this map, was added subsequent to the notarization of the Surveyor's Certificate. The values do correctly represent the location of Grizzly Bear Spring.

William A. Mott Hydraulic Engineer.
NATIONAL PARK SERVICE - REGION II OFFICE

WATER RIGHT	
Plat for	
GRIZZLY BEAR SPRING	
L. Bowman	L. Mott
1" = 100'	420.

NMEM-MR 2044

Map No. 512-2 (App. No. 528-2)

STATE OF SOUTH DAKOTA
County of Hughes } ss.

Pierre, South Dakota, April 23, 1959

This is to certify that the foregoing application was received by the Commission at 9:00 o'clock
9 m. upon the 28 day of March, 1959

State Water Resources Commission

By: Geo. R. Rineer
Chief Engineer, Executive Officer

Number of permit 528-2

Date of first receipt of application March 28, 1959

Date of return to applicant for correction, amendments or changes required as follows: April 20, 1959

Date of receipt of corrected application May 1, 1959

Date from which applicant may claim right March 28, 1959

Approved June 17, 1959, Recorded in Book 5 Page 177

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before

December 17, 1959

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

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

June 17, 1961

4th. The water appropriated shall be used for the purpose of fire protection,

public recreation, and restaurant uses.

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed 0.0088 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually

and beneficially applied for irrigation or, or before June 17, 1961; said water to be used during the following described annual period:

fire protection, public recreation, and restaurant uses

Continuously

Witness my hand this 27 day of July, 1959

State Water Resources Commission

By: Geo. R. Rineer
Chief Engineer, Executive Officer

Certificate of Construction Issued November 7, 1959

Water License Issued November 9, 1959

Remarks by the Applicant:

Water will be collected by 3 and 4 inch by 3 ft. tile in the spring area and discharged into a 3 ft. by 3 ft. by 4 ft. collecting sump at the point of diversion.

The water will then be conveyed by 1016 of 1 inch plastic pipe to a 1650 gallon concrete distribution reservoir and then distributed through 679 feet of 2½ inch plastic pipe and various laterals.

STATE OF SOUTH DAKOTA

WATER LICENSE No... 528-2...

WHEREAS, On the 28th day of March A. D. 1959

The Mount Rushmore National Memorial

of Keystone County of Pennington and State of
South Dakota duly made application (No. 528-2) to us for a permit to use 0.0088
cubic feet per second of the waters of Grizzly Bear Spring
County of Pennington, State of South Dakota, for commercial
purposes; and

WHEREAS, On the 27th day of July A. D. 1959

Permit No. 528-2 was issued to said applicant... for the diversion of said water, and providing for the
completion of the works of diversion therein described on or before the 17th day of
June A. D. 1960 and for the application to beneficial use of said
water on or before the 17th day of June A. D. 1961
and,

WHEREAS, On the 7th day of October A. D. 1959

the holder... of said permit duly made proof of the completion of adequate works for the diversion of 0.0088
cubic feet per second of said waters, as evidenced by our Certificate No. 528-2
dated November 7, 1959 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 0.0088 cubic feet per second of water, with date of
priority of March 28, 1959 ~~XXXX~~ and,

WHEREAS, On the 7th day of October A. D. 1959

proof was duly made of the application to beneficial use of 0.0088 cubic feet per second of said water;
for the purposes described in the Permit 528-2

NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota,
We hereby grant and confirm to the Mount Rushmore National Memorial
of Keystone the holder and owner of said permit No. 528-2
a water right, dating from March 28, 1959 to the use of 0.0088
cubic feet per second of the waters of Grizzly Bear Spring
in the County of Pennington and State of South Dakota, or so much thereof as may be
necessary for the purposes hereinbelow mentioned, to be diverted at a point in the NW 1/4, Sec. 18
T 2 S, R 6 E, more clearly defined in Certificate of Completion of Work
and conducted to and ~~thru~~ through the water distribution system at the memorial

for the purpose of fire protection, public recreation and restaurant
operation

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the
State, and subject, also to the local or community customs, rules and regulations which have been or may be
adopted from time to time by a majority of the users from a common source of supply, canal or lateral from
which such water may be taken, when such rules and regulations have for their object the economical use of such
water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 7th day of November A. D. Nineteen
Hundred and Fifty-nine

State Water Resources Commission

By:

J. W. GRIMES, Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Am't _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

In Book _____ of _____ Page _____

Permit No. 528-2
 Battle
 Water Division No. 2 Creek Water District

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the Mount Rushmore National Memorial
 of Keystone, County of Pennington, and State of
South Dakota, the holder of Permit No. 528-2, issued upon Application
 No. 528-2, bearing date of priority of March 28, 1959, authorizing the diversion of
0.0088 cu. ft. per second of the waters of Grizzly Bear Springs
 County of Pennington, State of South Dakota, at a point S 88° 34' W,
2218.3' from the E₁ corner Sec. 18, T 2S, R 6 E
 for fire protection, public recreation & restaurant
 purposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of
 completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
 condition for diverting and conveying to the place of intended use 0.0088 cu. ft.
 per second of water; and that the ~~uses for~~ use of said water are described as follows,
 to-wit: for fire protection, public recreation and restaurant
use in the operation of the Memorial.

Witness my hand this 7th day of November A. D. 1959

State Water Resources Commission

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

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
 County Pennington } ss.

E. H. Lighter being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the Rapid City Daily Journal 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 Rapid City County of Pennington and State of South Dakota; that the said notice was published in said newspaper on the following dates:

April 27, 1959
May 4, 1959
May 11, 1959
May 18, 1959

in each and every issue of the full number thereof, the first publication being made on the 27th day of April 1959 and the last publication on the 18th day of May 1959, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was Business Manager the printer and publisher of the said newspaper.

E. H. Lighter

Subscribed and sworn to before me this 18th day of May A. D. 19 59

Notary Public Pennington County, S. D.

April 27, May 4, 11, 18 1959 No. 528-2
 APPROPRIATION OF WATER
 Office of State Water Resources
 Commission,
 Pierre, S. Dak., April 23, 1959
 Notice is hereby given that Mr. W. Leon Evans, Superintendent, Mount Rushmore National Memorial, whose post-office address is Keystone, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 0.0028 cubic feet of water per second of time from Grizzly Bear Spring through the Grizzly Bear Spring Water System, the point of diversion of which is to be located in the NW 1/4 of the SE 1/4 of Section 18, Twp. 28 Range 6E. Said water to be used for the purpose of domestic, fire protection, public recreation and restaurant uses in the SE 1/4 and NE 1/4, Sec. 18, T 28, R 6 E, BLM.
 This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 17th day of June, 1959, at 2:00 P.M. All interested persons may appear and be heard.
 Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.
 State Water Resources Commission
 By: Les Wyborny, Water Rights Engineer

RECEIVED
 MAY 21 1959
 STATE WATER RESOURCES COMM.
 PIERRE, SOUTH DAKOTA

(First Publication before May 15, 1959)**APPROPRIATION OF WATER**

Office of State Water Resources Commission,

Pierre, S. Dak., April 23, 1959**Mr. W. Leon Evans, Superintendent
Mount Rushmore National Memorial**Notice is hereby given that Keystone S. Dak., whose postoffice address is Keystone S. Dak., has made an application in accordance withthe provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 0.0088cubic feet of water per second of time from xx Grizzly Bear Spring through the Grizzly Bear Spring Water Systemthe point of diversion of which is to be located ~~xxxx~~~~xxxx~~ in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 18Twp. 2S Range 6E Said water to be used for the purpose of ~~xxxx~~~~xxxx~~domestic, fire protection, public recreation and restaurant
uses in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 18, T 2 S, R 6 E BHM~~xxxx~~ ~~xxxx~~This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 17th day of June, 1959, at 2:00 P.M. All interested persons may appear and be heard.

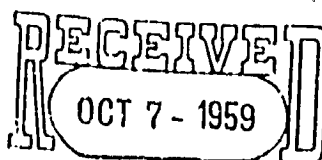
Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission

By:

~~xxxx~~
Les Wyborny, Water Rights Engineercc **E. H. Lighter, Manager
The Rapid City Daily Journal
Rapid City, South Dakota**

Permit No.

Water Division No. 2 Battle Creek Water District

Certificate of Examination of Works

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Report of Examining Engineer

To the State Water Resources Commission, Pierre, South Dakota:

Dear Sirs: I hereby certify that in accordance with your letter of authorization dated August 281959, I have this day made a thorough examination of the diversion works constructed by United States of America for National Park Service, of KeystonePennington County, South Dakota, holder of Permit No., issuedupon Application No. 528-2, bearing date of priority of March 28, 1959, authorizing thediversion of .0088 cu. ft. per second of the waters of Grizzly Bear Spring for Domestic & Fire Protection

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

The diversion works comprise: A concrete collector basin, collecting the flow from three infiltration laterals that are set 18" below ground surface, and encased in 1/2" gravel pack. Total length of infiltration equals about 80 lineal feet. Collector basin is 4'x4'x4' outside dimensions and is equipped with a valved 1 1/2" drain pipe. A 1" plastic pipe connects the collector basin to a 6,000-gal. reservoir - pipe length 1016'. A 2 1/2" plastic pipe connects the reservoir to the distribution system in the campground - pipe length 679'. System delivers water to eight hydrants. Construction of the system was completed May 15, 1959.

and the system is in the following condition: Entire system is in very good condition, functioning efficiently, and is protected from molestation and pollution by people.

The point of diversion is located in NW 1/4 SE 1/4, Sec. 18, T 25, R 6 E, BHM whence the east 1/4 corner, sec. 18 bears N 88° 34' E, 2218.3 feet.

The works are capable of diverting and conveying to the place of use .0258 cu. ft. per second of water, which is to be used for domestic and fire protection at Grizzly Bear Creek Campground.

The legal sub-divisions to be irrigated are: none

comprising a total of none acres of land.

The domestic use intended comprises Domestic use by tourists at Grizzly Bear Creek Campground.

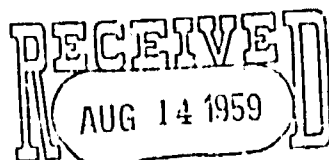
The utilization for power, mining, or other beneficial uses comprises: none

Witness my hand, this 19th day of September, A. D. 1959.

—SEAL—

William A. Mott
Examining Engineer,
Hydraulic Engineer - Region Two
National Park Service

Permit No. 528-2



STATE WATER RESOURCES COMM.

Water Division No. _____

Water District PIERRE, SOUTH DAKOTA

NOTICE OF COMPLETION OF WORKS

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

(P. O.) Keystone, South Dakota(Date) August 10, 1959

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

DEAR SIR: Notice is hereby given of the completion of the works for the diversion of _____

.0088 _____ cu. ft. per second of the waters of the state from Grizzly Bear
Spring through the _____ Grizzly Bear Spring Water System

for domestic water, public recreation and public campground purposes

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

1. The name of the person or corporation holding said permit is W. Leon Evans, Superintendent,

Mount Rushmore National Memorial

2. The postoffice address of such person or the place of business of such corporation is Keystone,

County of Pennington State of South Dakota

3. The number of such permit is 528-2 and the date set for the completion of such work is

May 15, 1959

4. Said water to be used for domestic water, public recreation & campground purposes.

5. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conducting to the place of intended use, in accordance with the plans accompanying the application for such permit, is .0088 cubic feet per second.

6. The amount of land for which said water is available is 10 acres, particularly described as follows: Grizzly Bear Campground, Black Hills National Forest,

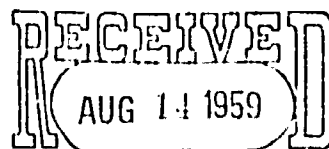
SE 1/4 NE 1/4, NE 1/4 SE 1/4, Sec 18, T2S, R6E, BHM

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

(Signature of Owners)

W. Leon Evans, Superintendent

Mount Rushmore National Memorial

Permit No. 528-2Water Division No. 2 Butte Creek Water District PIERRE, SOUTH DAKOTA

STATE WATER RESOURCES COMMISSION

Notice of Application of Water to Beneficial Use

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

(P. O.) Keystone, South Dakota(Date) August 10, 1959

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

DEAR SIR: Notice is hereby given that on the 10th day of August
1959, at Keystone County of Pennington State of South Dakota,
 before _____ proof will be submitted of the application to beneficial use
 (Examining Engineer or Officer)
 of .0088 cubic feet per second of the waters of Grizzly Bear Spring
 _____ in accordance with the terms and conditions of Permit No. 528-2
 heretofore issued by the Water Resources Commission of South Dakota.

- The name and postoffice address of the person or corporation holding said permit are _____
W. Leon Evans, Superintendent, Mount Rushmore National Memorial,
Keystone, South Dakota
- The use to which said water has been applied is domestic water supply, public recreation
and public campgrounds at Grizzly Bear Campground, Black Hills National Forest
- The amount applied to beneficial use is .0088
- The place where said water is used is (if for irrigation, give full and accurate description of the lands irrigated) Grizzly Bear Campground, Black Hills National Forest
SE1 NE1, NE1 SE1, Sec 18, T2S, R6E, BHM
- The name of the canal or ditch or other works by which said water is conducted to such place of use is _____
- The right to take the water from such works is based upon permit No. 528-2
- The source of supply from which such water is diverted is Grizzly Bear Spring
- The date of priority which said user is prepared to establish is 10/1/58

(Sign)

W. Leon Evans
 W. Leon Evans, Superintendent
 Mount Rushmore National Memorial

NOTICE OF INTENTION
to the
Water Resources Commission
of
South Dakota

528-2
Div. 2 Battle Creek
Rec'd March 28, 1959
@ 9:00 a.m.

Grizzly Bear Spring Water System

March 27, 1959

Mount Rushmore National Memorial and Black Hills National Forest

Pennington County, South Dakota

Notice is hereby given by the Superintendent of Mount Rushmore National Memorial, Keystone, South Dakota, who is duly appointed official of the United States and authorized to administer said Memorial and construct works for the utilization of waters within said State, that the United States, through the National Park Service, Department of the Interior, and U. S. Forest Service, Department of Agriculture, intends to appropriate by construction, diversion, and storage, and beneficial use certain public waters of the State of South Dakota for Mount Rushmore National Memorial and Black Hills National Forest under Sec. 61.0123, Chapter 430 and Sec. 61.0404, Chapter 431, of the 1955 revised Laws of South Dakota, and nothing herein shall constitute a waiver of any other rights which the United States may have to the same water, TO WIT:

1. The name of Project is Grizzly Bear Spring Water System, Mount Rushmore National Memorial.
2. The amount of water claimed is 0.0088 sec. ft.
3. The source of water is Grizzly Bear Spring, tributary to Grizzly Creek, which is tributary to the Cheyenne River through Battle Creek.
4. The point of diversion, or withdrawal, will be at Spring in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18, T 2 S, R 6 E, BHM, in Mount Rushmore National Memorial in Pennington County, whence E $\frac{1}{2}$ Cor. of Said Sec. 18 bears N 88° 34' 2218.3 ft.
5. The water will be used during all 12 months of each year.
6. The water will be used for domestic, and fire protection purposes in SE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$ said Sec. 18 adjacent to Mount Rushmore National Memorial in Grizzly Bear Campground of Black Hills National Forest.
7. The estimated cost of the Project is \$4,500.

Map No. 512-2
No. 512-2A

8. Water will be collected by 3 - 4-inch by 3-foot tile pipelines in the spring area, which discharge into 3-foot by 3-foot by 4-foot collecting sump at point of diversion.

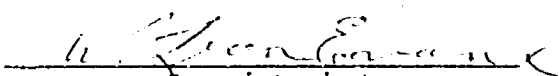
9. The water will be diverted through 1016 feet of 1-inch plastic pipe to 1650 gallon concrete distribution reservoir, whence distribution will be by 679 feet of 2½-inch plastic pipe and various laterals.

10. The control gradient is 117 feet per 1000 feet and the carrying capacity of the 1-inch diversion pipe is 0.032 sec. ft., but the reliable spring flow is 0.0088 sec. ft.

11. The construction and initial use of the water at said Grizzly Bear Campground will be completed within three months.

12. This development is part of a 10-year development program by the National Park Service, designated as MISSION 63, to provide adequate public facilities by 1966, and complete construction will be scheduled to meet that public need.

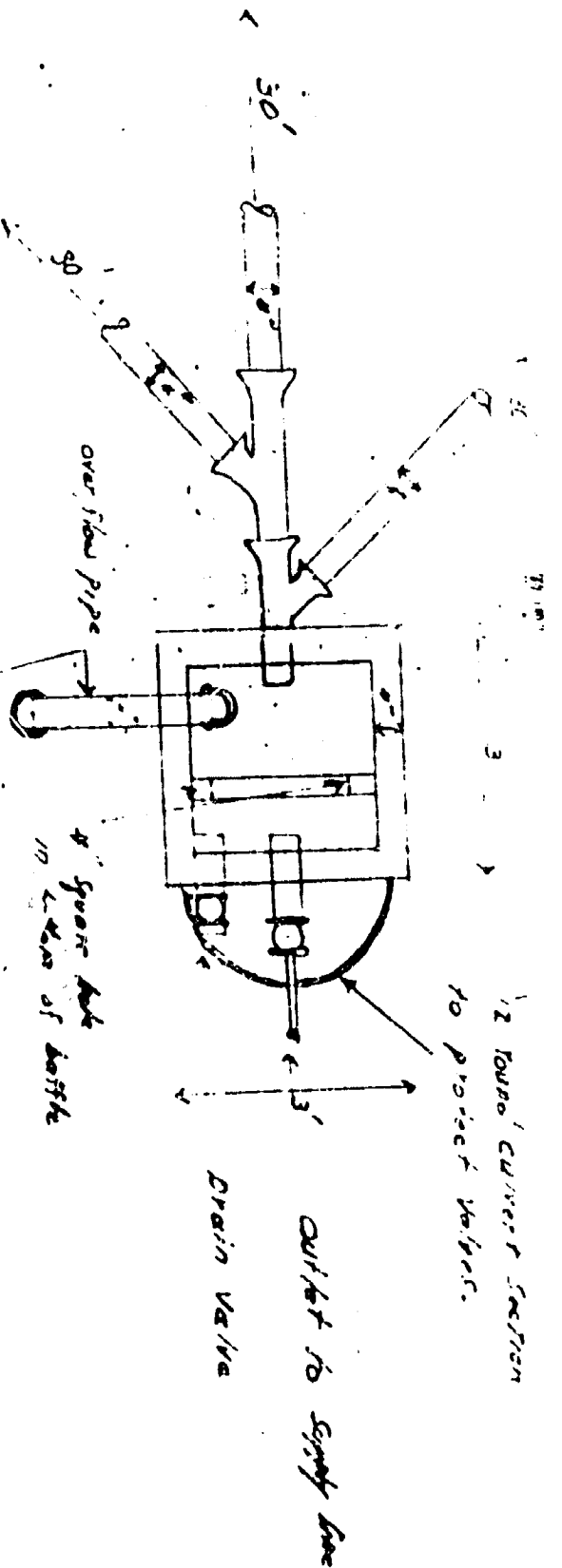
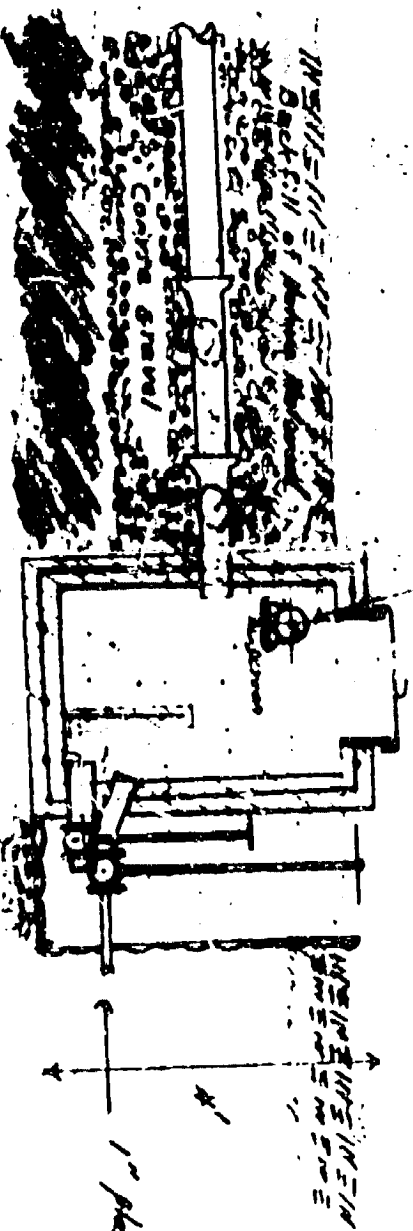
13. A tracing and black line print of Drawing NMEN-MR-2044, Water Right Plat for Grizzly Bear Spring, is attached and made a part of this notice.


Superintendent

Mount Rushmore National Memorial

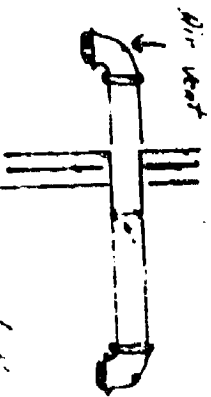
Verified drain tile to be
surrounded by 22" of
coarse gravel.

Water bearing
material



PROPOSED COLLECTION SYSTEM
GRIZZLY PUMP SPILLAGE

Estimated 1/2 inch water in trench
about 1/2 inch



over flow pipe

both ends screened. Drawings

show 1/2 inch hole with rock.