

Water Right No. 1726-2

1. Considered September 25 19 80
2. Name of Applicant Colonial Village Water Company
3. Post Office Address Box 224, N. M. W. Dunsmore, Rapid City, S.D.
4. Amount of Water Claimed 50
5. Source of Water Supply 4 wells, 1170' (Madison Formation)
6. Water to be used for IND maximum
7. Acres to be irrigated --- acre feet
8. Water to be diverted and used in Pennington County
- about CITY LIMITS miles of
9. PROOF OF PUBLICATION Received (S) 9-22-80

APPLICATION

Not Received

Approved

Subject to

Not Approved

Action deferred

Priority

Date _____

Received

8/1/78

Application Complete yes

112

FEE -150.00

8/27/80

Remarks

needed map and report

Map rec.

Date information and/or

Date information and/or fee or corrected Application received August 27, 1980

Period of Annual use

continuously

WATER
QUALITY

Received yes _____ no _____ A: PROVED/CONDITIONAL (Circle one)

N/A

WI-1 Description same as application yes _____ no _____ Remarks _____

Disapproved

Returned

Diversion Point:

Well,

#1-NE 1/4 SW 1/4; #2-NE 1/4 SE 1/4 & No 3-

NW¹ SE⁴, Section 32-T1N-R7E and

Well No. 4 in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T1N-R7E

Lands, to be extinguished.

			X		
			X ²		
			X ³		

WELL
LOC

Remarks Map well, 1170' deep drilled by Rice and Taylor Drilling. Other
three wells drilled by Drilling companies out of business and could not
locate the logs. Licensed yes xx no .

Depth 1170' 225' 825' and 725'

Deadwood and Madison Formation

Water Right No. _____

MAP

Map No. 990-2 Map located In Water Right xx Map file _____

Type of Map _____ Drawn _____ Prepared by P.E.

+++++

REVIEWED

This Application was reviewed within 30 days of date received, accepted as complete, Number assigned and written up for advertisement before the Board on Sept 25, 1980

Betty Westlund
(Signed)

+++++

PROTESTS

Letters/Petitions In File - yes _____ no _____ Remarks _____

REMARKS

F.F. & C
OF LAW,
FINAL
DECISIONS
ETC.

Date _____
Final Decision, including F.F. & C of law were adopted _____
Date _____
Final Decision mailed to parties and/or parties notified that Final Decision was adopted _____

Remarks _____

Map No. 990-2 Water Division No. 2 UPPER CLEVELAND
(Blanks to be Filled by the Engineer for the W. R. C.)

10120110

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota



(NOTE - Draw a line through items not applicable)

(Pine Lands, Clarkson, Colonial Village Water Co. (Highland Hills, Whispering Pines))

1. Name of Applicant Colonial Village Water Co. (Highland Hills, Whispering Pines)

Postoffice address Box 224, Suburban Rd., Rapid City, South Dakota 57701

If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of officers, or by direct labor) contract

3. Name of diversion work Colonial Village Water Co.

4. Amount of water claimed (cubic feet per second) 20 .50

5. Source of water supply deep wells Four wells

6. Location of point of diversion #1 in NE 1/4 SW 1/4, #2 in NE 1/4 SE 1/4, and #3 NW 1/4 SE 1/4, Section 22-1N-7E
and #4 well in SE 1/4 SE 1/4, Section 29-1N-7E

B1M

County Pennington

7. Annual period or periods during which water is to be used continuously

8. Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) suburban housing

9. For irrigation use: Total number of acres to be irrigated 500 homes

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system five years. Additional time required to complete application of water to the proposed beneficial use four years.

11. Choice of newspaper for Notice of Intent to Appropriate Water publication Rapid City Journal

12. Principal Features of the Proposed Water Supply System.

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

deep wells

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

pipeline

C. Works proposed to apply water to beneficial use.

residential use - 500 homes

fire protection

Estimated Total Cost \$ 500,000.00

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

STATE OF SOUTH DAKOTA

County of Hughes

I, M. W. "Red" Anderson, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

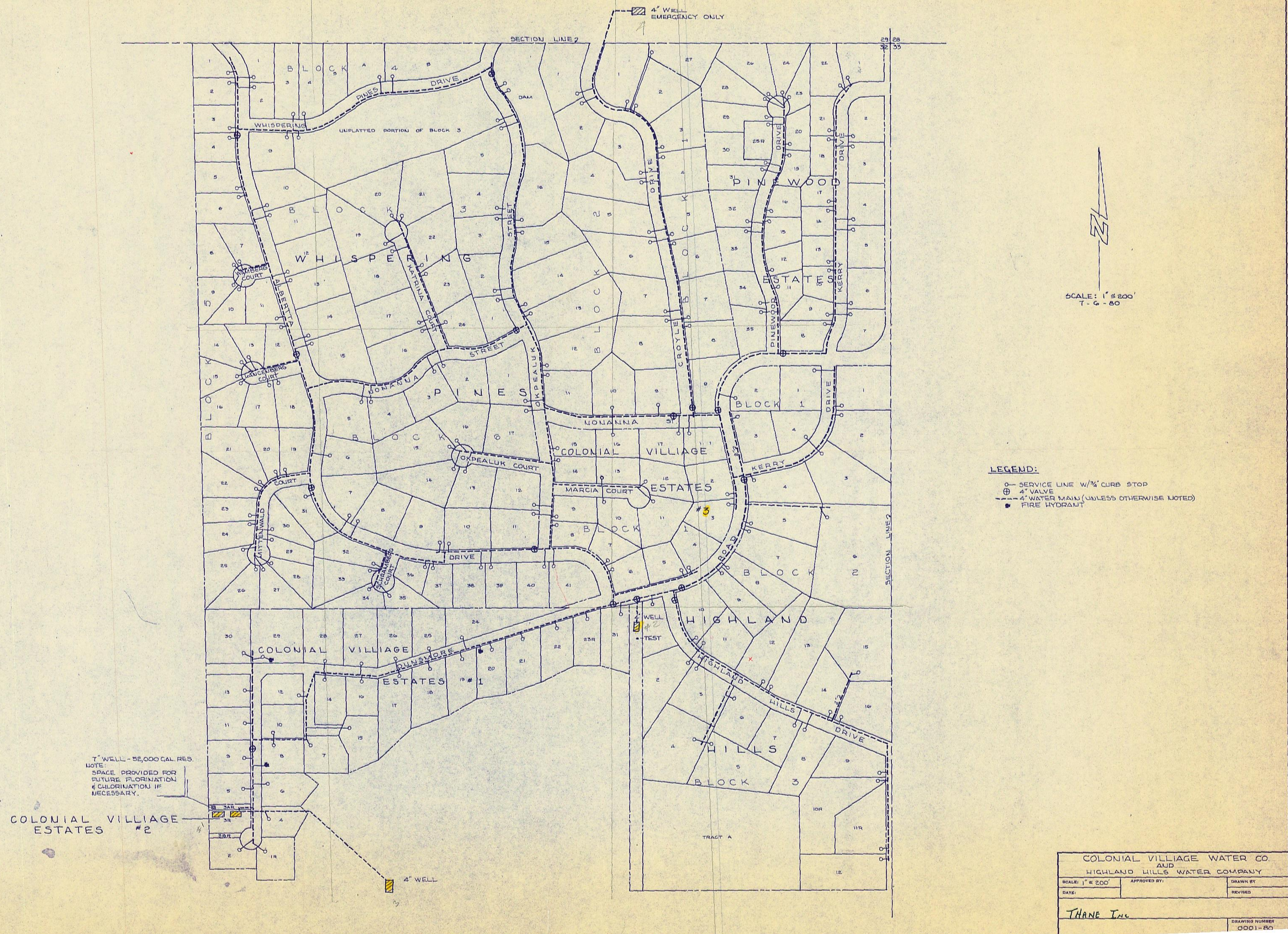
Subscribed and sworn to before me this

day of

July 27 1978

Betty Westlund
Notary Public (or other qualified officer)

Water Rights Specialist



WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 1726-2
Colonial Village Water Co., Box 224, Suburban Route, Rapid City
 (Applicant) (Post Office Address)
South Dakota 57701 With the following modifications:
 (State)

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

Date of first receipt of application August 2 19 78
 Date of return to applicant for correction, amendments or changes required January 10, 1979, October 22, 1979 and August 17 19 80
 Date of receipt of corrected application (Map) August 27 19 80
 Approved September 25 19 80, Recorded in Book 21 Page 281

WATER RIGHT PERMIT NO. 1726-2

The Water Rights Commission hereby grants and issues this Water Right Permit No. 1726-2 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is August 27 19 80
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before March 25 19 83
3. The whole of said work is to be completed on or before September 25 19 85
4. The time of time from proof of beneficial use of water appropriated in accordance herewith is September 25 19 89
5. The water appropriated shall be used for the purpose of Suburban Housing Development
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .50 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 use, and if for the irrigation purpose, the appropriation must be limited to no more than 2 cubic feet per acre per year and be limited to not more than 170 of one cubic foot of water per acre and of time for each acre of land to which water is actually and beneficially applied for irrigation on or before September 25 19 89; said water to be used during the following described annual period: continuously

Witness my hand this 30th day of September 19 80

WATER RIGHTS COMMISSION

By:

John H. Galt
 Chief Engineer, Executive Officer

Certificate of Construction Issued 19

Water License Issued 19

BICE & TAYLOR DRILLING CO.

1720 Evergreen Drive
RAPID CITY, SOUTH DAKOTA 57701

RALPH TAYLOR

TELEPHONE:
Office 348-3600
After Hours 342-7119

Dunsmore, Kip Well Log

Total Depth 1170'
62' 1/8" Drilling
1109' 7" O.D. Casing
1108' 7/8" Drilling
Static 400'
125 GPM @ 930'

0-1	Topsoil
1-3	shaley sand
3-16	white & yellow soft sandstone
16-70	red sandstone w/hard purple sandstone layers
70-75	red shale
75-85	hard purple sandstone
85-100	reddish to purple limestone
100-102	white sandstone
102-109	purple shale
109-118	red shale
118-153	red sandstone
153-160	mostly purple limestone some sandstone
160-164	red sandstone
164-170	limestone
170-280	purple sandstone some white & limestone
280-295	brown limestone fractured
295-335	yellow limestone
335-350	brown limestone fractured
350-360	yellow limestone
360-370	red limestone
370-376	white limestone
376-393	red limestone purple shale layers @ 385-395'
393-410	white sandstone
410-425	red sandstone
425-840	yellow & white limestone (Hard) red shale layers 425-532'
840-880	purple limestone (hard)
880-930	gray & black modeled sandstone
930-990	purple siltstone possible shale layers 990-1010'
990-1050	hard & fractured
1050-1070	softer possible purplish shale
1070-1088	green shale
1088-1125	harder probably sandstone or siltstone
1125-1170	brown & gray modeled fine sandstone fractured 1140-1170'

Dr. J. W. Taylor

cover 1 wells ~~2-5-4~~

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 7", Depth 1170 feet
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 7" Thickness 6 3/8" I.D.
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates

- (1) Surface dimensions _____, Depth _____

Fill out for Either a Well or a Dugout.

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

Character of Water bearing materials Brownish Grey, Moderately fine
Sandstone fractured 1140 - 1170 ft

Depth to top of water bearing material 1125 ft

Depth to bottom of water bearing material 1170 ft

Thickness of water bearing material 45 ft Plus

Depth to water (ground surface to water level) 400 ft

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

On same owner's property 5 rds. On property owned by others _____ rds.

G. Water Storage Dams.

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

Colonial Valley Water Co.

M. H. K. S. Lamm

Signature of Applicant

D. Well Information

WELL #2

- (1) Drill Hole, Diameter 4" Depth 825'
- (2) Casing, Type cast Iron Diameter 4" Thickness
(wood, concrete, steel, etc)
- (3) Screen, Type Diameter Length
- (4) Gravel Pack, Thickness Length of gravel pack

E. Dugout Information or Estimates

- (1) Surface dimensions, Depth

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

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material

Depth to bottom of water bearing material 825 ft

Depth to water (ground surface to water level) 300 ft

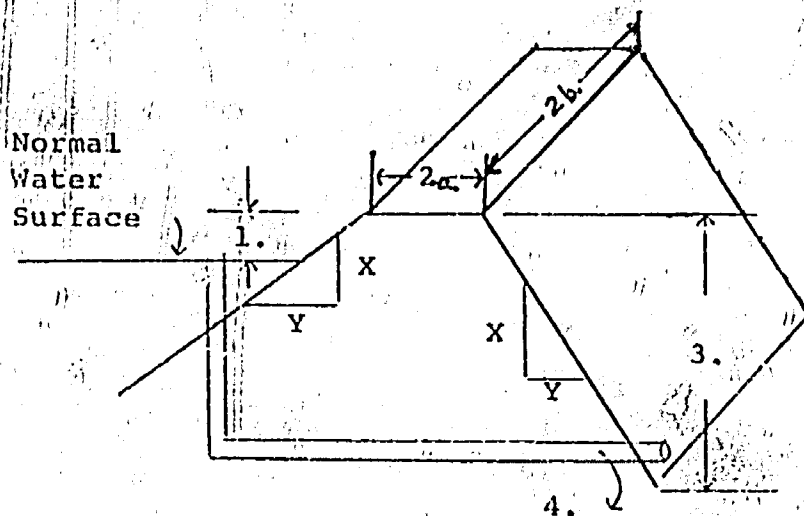
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property 3/8 mile rds.

On property owned by others 1/2 mile rds.

G. Water Storage Dams

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



1. Freeboard
2. Crest width length
3. Height of Dam
4. Outlet dimensions:
- Pipe diameter
- Spillway width
- X & Y slope:
- Upstream
- Downstream
- Surface area of impoundment
- Drainage area above dam

Well #3

D. Well Information

- (1) Drill Hole, Diameter 4", Depth 325'
- (2) Casing, Type Cast Iron, Diameter 4", Thickness
(word, concrete, steel, etc)
- (3) Screen, Type , Diameter , Length
- (4) Gravel Pack, Thickness , Length of gravel pack

E. Dugout Information or Estimates

- (1) Surface dimensions, , Depth

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

(1) Water Bearing Materials. (Attach a copy of test well log)

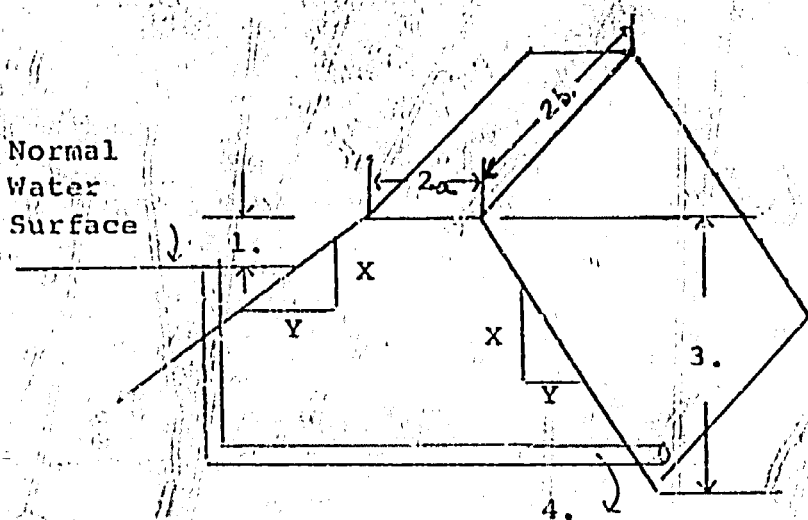
- Depth to top of water bearing material
- Depth to bottom of water bearing material 325'
- Depth to water (ground surface to water level) 200 ft.

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

- On same owner's property 3/8 mile rds.
- On property owned by others rds.

G. Water Storage Dams

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



1. Freeboard
- 2a Crest width b. length
3. Height of Dam
4. Outlet dimensions:
Pipe diameter
Spillway width
- X & Y slope:
Upstream
Downstream
Surface area of impoundment
- Drainage area above dam

M. J. "Kin" Anderson
Signature of Applicant

D. Well Information

- (1) Drill Hole, Diameter 4", Depth 725'
- (2) Casing, Type cast iron, Diameter _____, Thickness _____
(wood, concrete, steel, etc.)
- (3) Screen, Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material _____

Depth to bottom of water bearing material 725 ft.

Depth to water (ground surface to water level) 450 ft.

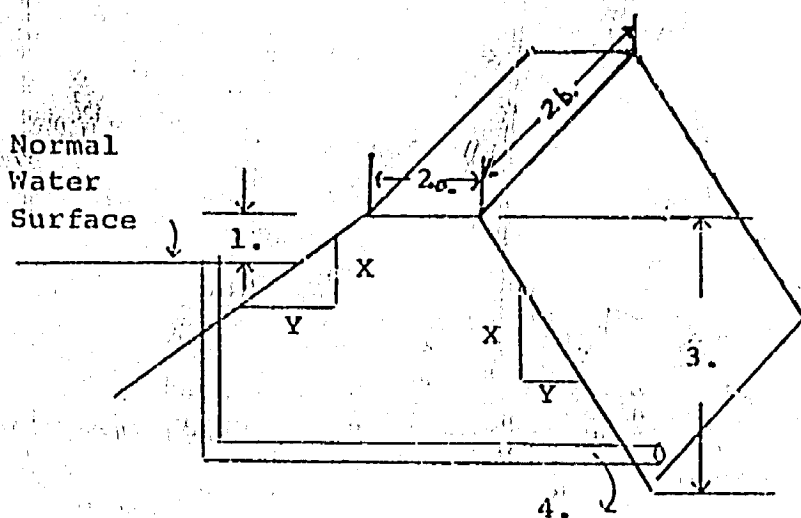
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property 1/2 mile rds.

On property owned by others _____ rds.

G. Water Storage Dams

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



1. Freeboard _____
- 2a Crest width _____ b. length _____
3. Height of Dam _____
4. Outlet dimensions:
 - Pipe diameter _____
 - Spillway width _____
- X & Y slope:
 - Upstream _____
 - Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

M. J. Kip Lunsdale
Signature of Applicant

No. 1726-2

Publish first publication, on or before September 12, 1980.

NOTICE OF HEARING
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 3, 1980

Notice is hereby given that the Colonial Village Water Co. whose post office address is Rapid City, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use .50 cubic feet of water per second of time from groundwater

(four wells) through the Colonial Village Water Co., the point(s) of diversion of which is(are) to be located in the Well #1 - NW 1/4 SW 1/4, Well #2 - NE 1/4 SE 1/4 and Well #3 - NW 1/4 SE 1/4, Section 32, Well #4 - SE 1/4 SW 1/4, Section 29 all in

of Section 32, Twp. 1N, Range 7E. Said water to be used for the purpose of providing water for suburban housing development.

This Application No. 1726-2 will be considered by the Water Management Board at Hearing Room #1, Kneip Building upon the 25th day of September, 1980
Church & Illinois, Pierre SD

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWMR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

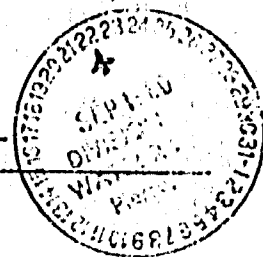
cc: Colonial Village Water Co.
Box 224, Suburban Rd
Rapid City SD 57701

BETTY WESTLAND
Water Rights Specialist

WNR-806A-7/79 Notice of Intent to Appropriate Water
GROUNDWATER

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water

No. _____



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
_____) ss.

I, Mary K. Garrison, Bookkeeper hereby

certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Rapid City 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 _____

State City of South Dakota Rapid City

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

September 12, 1980

September 19, 1980

Mary K. Garrison
(Signature)

Bookkeeper, Rapid City Journal
(Title)

September 19, 1980

(Date Signed)

Sept. 12, 1980
NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE
WATER
The Pierre, South Dakota 57501
Notice is hereby given that the Colonial
Village Water Co. whose post office ad-
dress is Rapid City, South Dakota, has
made an application in accordance with
the provisions of SDCL 46-1-1 thru 46-1-9,
46-1-11, 46-2-1 thru 46-2-11, 46-2-13, 46-3-1
thru 46-3-9, 46-3-10 thru 46-3-22, 46-3-41,
46-3-42, 46-3-43, 46-3-44, 46-3-45, 46-3-46,
46-3-47 and Board Rules ARSD 1-01(01) thru
1-01(01)(12) for a permit to ap-
propriate for beneficial use 50 cubic feet
of water per second of time from ground-
water (four wells) through the Colonial
Village Water Co. the point(s) of diver-
sion of which (are) to be located in the
well No. 1 - Well SW 1/4, Well No. 2 -
Well SE 1/4 and Well No. 3 - Well NW 1/4,
Section 37, Well No. 4 - Well SE 1/4, Sec-
tion 29 all in Twp. 1N, Range 7E, said
water to be used for the purpose of pro-
viding water for suburban housing
development.
This Application No. 1726-2 will be con-
sidered by the Water Management Board
at Meeting Room No. 1, Kneis Building,
Church & Illinois, Pierre, SD, upon the
25th day of September, 1980 at 10 A.M.
The Board is authorized to make a deter-
mination on this application at the hear-
ing. All interested persons may appear
and be heard. Any person who may be af-
fected by a Board decision who desires to
present evidence or cross-examine wit-
nesses according to SDCL 1-26 must
notify the Board in writing prior to the
hearing or orally at the hearing.
This hearing is an adversary pro-
ceeding. Any person 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 at
the hearing. Decisions of this Board may
be appealed to the Courts as provided by
law.
Any interested person wishing to at-
tend this hearing can contact the Water
Rights Division, DWNR, Joe Foss
Building, Pierre, SD, prior to the hearing
date for assistance to assure access to the
hearing.
WATER MANAGEMENT BOARD
BETTY WESTLUND
Water Rights Specialist

No. 1726-2

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

Joe Foss Building
Pierre, South Dakota 57501

Water Rights Division

(605) 773-3352

October 8, 1980

Colonial Village Water Co.
Box 224, Suburban Road
Rapid City SD 57701

Dear Sir:

Enclosed herewith is your Water Right Permit No. 1726-2 as approved by the Water Management Board authorizing you to construct your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said Water Right Permit No. 1726-2.

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 Water Management Board when you have completed the system and/or have put the water to beneficial use. The Board can then schedule an inspection so that your Certificate of Construction and/or Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH: kw

enclosure

NOTE: You should be aware that the use of water proposed under this permit may come under the requirements of the Safe Drinking Water Act. For information regarding this Act, you should contact: Mark Stelchen, Administrator, Office of Drinking Water, DWR, Foss Building, Pierre SD 57501; Phone No. 773-3784.

WNR-309-7/79

Forwarding Permit to Appropriate Water

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6499

PIERRE, August 1, 1978

RECEIVED OF Colonial Village Water Co., Suburban Rt. Box 224, Rapid City SD

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

FUND 290

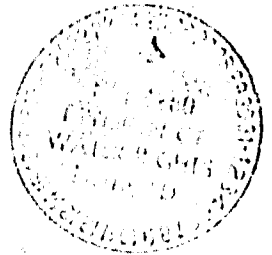
Fee for Application for Permit to Appropriate Water No. 1726-2 (examination, processing, recording and filing) -----	150	00
Fee for Inspecting Construction, and issuing Cert. of Construction No.-----		
Fee for Inspecting Beneficial Use, and Issuing Water License No.-----		
Fee for Issuing Location Certificate-Dry Draw, No.-----		
Fee for filling -----		
Fee for certified copy of -----		
Fee for Print copy of map -----		
Fee for Certifying -----		
Fee for -----		
(any other work as provided by law)		
TOTAL	150	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer

JOHN HATCH k.j.w.

Box 224 - Suburban Rte.
Rapid City, S. Dak. 57701
September 21, 1980



Department of Water & Natural Resources
Water Rights Division
Pierre, South Dakota

Subject: Feasibility Report

Feasibility of request for withdrawal of water for use as applied for in request for water for domestic purposes in rural sub-division, is to provide water for proposed area of two hundred twenty four (224) homes as shown on plat submitted with application. All previous requirements of the South Dakota Public Health Department, the Pennington County Health Department, the United States Department of Environmental Protection Agency and the South Dakota Department of Water and Natural Resources have been met.

If the request, as applied for, is approved, the maximum allowable draw of water would be equal to the following approximate amounts. 3.74255 gallons per minute, 13,473 gallons per hour, 323,356 gallons per day, 9,700,670 gallons per 30 day period and 118,625,056 gallons per annum. The water system is automated and has a master meter from which actual draw is measured.

Based on a proposed total 224 home development, this would allow a maximum amount of 43,900 gallons per household unit per month.

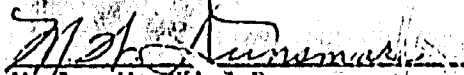
Based on past records, consumption has been as high as 20,000 gallons per month per household unit, therefore the allowance requested should conceivably allow for a future increase of 50% in homes in the area involved, although there are no present plans for such an increase, and still leave a comfortable allowable reserve under the present proposed plan.

Page 2.

It should be noted that the applicant currently has one South Dakota Certified Class I, and one Certified Class II Water Works working with the proposed system, as well as having one Class I under contract, one South Dakota Licensed Electrician under contract and one Well and Pump Maintenance person under contract.

For the above listed reasons, the application has been submitted and it is respectfully requested the application as submitted be approved.

Sincerely,


Marilyn W. Kip, Dunsmore
Owner-Partner
Colonial Village Water Company
Rapid City, South Dakota

1726-2

Division of Water Rights
605 773-3352

August 18, 1983

Don Springhetti
Sub. Rt., Box 160
Rapid City SD 57701

Mr. Springhetti:

This letter is in regard to your inquiry about Water Rights for the Clarkson Water System.

After looking back in the water permit files, I have found that the Clarkson Water System is incorporated in Water Permit No. 1726-2 for Colonial Village Water Company.

I have enclosed a copy of the Colonial Village permit for your records.

Sincerely,

FRANK SMITH
Water Resources Engineer

FJS:ks

enclosure

1726-2

WATER RIGHTS DIVISION
(605) 773-3352

April 1, 1986

Melvin Hedmore
P.O. Box 2183
Rapid City, South Dakota 57709

Dear Mr. Hedmore:

Enclosed, as you requested, is a copy of Water Permit No. 1726-2 for Colonial Village Water Company. The permit has not been licensed as yet; however, the inspection of the water use system and issuance of the Water License are done through our office and do not affect the use of water by Colonial Village.

If I can be of further assistance, please advise.

Sincerely,

Genny McMath
Natural Resources Analyst

GM:ms
Enc.

Water Rights Division
605 773-3352

April 8, 1986

1726-2

Steven Rich
PO Box 1552
Rapid City SD 57709

Dear Mr. Rich:

Enclosed is a copy of Water Permit No. 1726-2 for Colonial Village Water Company. Also enclosed are a couple "Notice of Transfer" forms. If and when portions of the permit are to be transferred apart from the original permit, a notice of transfer will need to be filed with our office.

If we can be of further assistance to you, please advise.

Sincerely,

GENNY MCMAH
Natural Resource Analyst

GML:ls

enclosures

TRANSFERS OF WATER RIGHTS
DIVISION OF
PIERCE, FENNER & SMITH, P.C.
PHOENIX, ARIZONA

No. 1726-2

Date: September 9, 1991

formerly owned by: Colonial Village Water Co.

Title to the following described land(s)/property has been transferred as described above:

I/We understand that the validity of Water Permit/Right No. 1726-2 has not been determined by this transfer action. If I/We have any questions or validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

I/We James E. Smith being first duly sworn 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, and that I know of my own personal knowledge that the information herein stated is true.

(Signed)

Subscribed and sworn to before me this 14 day of Sept, 1991.

(Notary Public)

My Commission Expires 1-16-99

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, _____, September 21, 1951

RECEIVED OF Colonial Pine Hills Sanitary Dist., 4626 Dunsmore Rd., Rapid City, SD 57701
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 _____		
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 _____ Water Permit No. 1726-2	2	50
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	2 50

By

Chas. M. [Signature]
Chief Engineer

South Dakota

GREAT FACES. GREAT PLACES.

September 27, 1991

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

No. 1726-2

Colonial Pine Hills Sanitary District
4605 Dunsmore Road
Rapid City, SD 57702

Dear Sirs:

Enclosed is a receipt in the amount of \$2.50 which you paid for the transfer of Water Permit No. 1726-2.

Our records now show you as the owner of Water Permit No. 1726-2.

Sincerely,

Cheryl F. Frost

Cheryl F. Frost
Secretary
Water Rights Division
605 773-3352

enclosure

Permit No. 1726-2

Water District: Upper Cheyenne

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

I have this day made a thorough examination of the water use system constructed by Colonial Village Water (X-name) Colonial Pine Hills Sanitary District of 4605 Dunmore Road, Rapid City, SD 57502 holder of Permit No. 1726-2, bearing the priority of August 27 1980 authorizing the diversion of 0.5 cu. ft. per second of the waters of groundwater for suburban housing, in Pennington County.

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

A. Works used to divert the water:

No. 1: Submersible, 110 gallons per minute capacity with a 30 horse power motor.

No. 2: Submersible, 30 gallons per minute capacity, with a 7-1/2 horse power motor.

No. 3: Submersible, 30 gallons per minute capacity, with a 7-1/2 horse power motor.

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

A total of approximately 260 feet of 4 and 8 inch PVC pipes.

C. Works used to apply water to beneficial use:

Water is used for a suburban housing development.

The system is in the following condition Very good. The point of diversion is located Well No.1: Approximately 1553 feet north, 2000 feet east from the Southwest corner of Section 32 (NE1/4 SW1/4); Well No.2: Approximately 2582 feet north, 1092 feet west from the Southeast corner of Section 32 (NE1/4 SE1/4); Well No.3: Approximately 417 feet north, 1210 feet west from the southeast corner of Section 29 (SE1/4 SE1/4); all in T1N-R7E. The works are capable of diverting and conveying to the place of use 0.38 cu. ft. per second of water which is to be used for suburban housing. Water has been put to beneficial use to the maximum extent as follows:

Water is used for needs of a suburban housing development, serving 196 houses.

The license should be issued for 0.38 cfs.

Application permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: None

Date: 8/26/1991

M. Rassool Ahadi

M. RASSOOL AHADI
Natural Resources Engineer III

LICENSE FOR PERMIT NUMBER 1726-2

Well No. 1 (Main Well)

1. Legal location of wells: NE1/4 SW1/4 Section 32, T1N-R7E

2. Well Information: Well Drilling Firm Bice and Taylor Drilling Co.

Completion Report? Yes ☒ No ☐ Depth 1170 feet

Casing a) diameter 7 inches Screen a) type Unknown
b) length 1109 feet b) length feet
c) type Steel Static Water Level 400 feet

Pump a) make Submersible Motor a) make Submersible
b) model 8AH18 b) model no.
c) size c) horsepower rating 30
d) capacity 110 GPM d) serial no.
e) turbine pump - no. of stages
f) operating PSI

3. Distribution lines or canals

a) size 4-8 inches
b) type Polyvinyl Chloride (PVC)
c) length 60 feet

Yes No Check Items

NA 1. Soil and water permit lands agree with lands being irrigated
and lands listed on permit?

X 2. Special qualifications to permit being abided by?

X 3. All structures, wells and lands on map?

NA 4. Irrigation Questionnaires checked to determine if permit
owner started irrigation by end of construction period?

X 5. Is chemigation used?

6. If yes, does equipment comply with chemigation rules?

REMARKS: Water from this well is pumped into two tanks, 100,000 gallons capacity.
196 houses are served by all three wells.

LICENSE FOR PERMIT NUMBER 1726-2

Well No. 2 (Naylor Well)

1. Legal location of well: NE1/4 SE1/4 Section 32, T1N-R7E

2. Well Information: Well Drilling Firm Unknown

Completion Report? Yes No ☒ No. of Well 1 Depth 825 feet

Casing a) diameter 4 inches Screen a) type Unknown

b) length feet b) length feet

c) type Steel

Static Water Level 452 feet

Pump a) make Submersible

Motor a) make Submersible

b) model

b) model no.

c) size

c) horsepower rating 7-1/2

d) capacity 30 GPM

d) serial no.

e) turbine pump . no. of stages

f) operating PSI

3. Distribution lines or canals

a) size 4 inches

b) type Polyvinyl Chloride (PVC)

c) length 100 feet

Yes No

Check Items

NA

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?

☒

2. Special qualifications to permit being abided by?

☒

3. All structures, wells and lands on map?

NA

4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?

☒

5. Is chemigation used?

6. If yes, does equipment comply with chemigation rules?

REMARKS:

LICENSE FOR PERMIT NUMBER 1726-2

Well No. 3 (Croyle Well)

1. Legal location of wells: SE1/4 SE1/4 Section 29, T1N-R7E

2. Well Information: Well Drilling Firm Unknown

Completion Report? Yes No ☒ No. of Well 1 Depth 725 feet

Casing a) diameter 4 inches Screen a) type Unknown

b) length feet b) length feet

c) type Cast Iron Static Water Level 450 feet

Pump a) make Submersible Motor a) make Submersible

b) model b) model no.

c) size c) horsepower rating 7-1/2

d) capacity 30 GPM d) serial no.

e) turbine pump - no. of stages

f) operating PSI

3. Distribution lines or canals

a) size 4 inches

b) type Polyvinyl Chloride (PVC)

c) length 100 feet

Yes No

Check Items

NA 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?

X 2. Special qualifications to permit being abided by?

X 3. All structures, wells and lands on map?

NA 4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?

X 5. Is chemigation used?

6. If yes, does equipment comply with chemigation rules?

REMARKS:

SEP 1951
DIVISION OF
WATER RIGHTS
Ft. Collins, CO

Department of Transportation, Federal Bureau of Investigation
Division of Motor Vehicle
1234 Main Street
Washington, D.C. 20535

Enclosed is the information on our walls that you requested. It took a little research by the bureau to find out this information and on the best of their knowledge it is correct.

Thanks for your help.

Sharon

Sharon Blanks, Clerk
Colonial Pine Hills
Sanitary District



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

September 9, 1991

Colonial Pine Hills Sanitary District
c/o Sharon Blanks
4605 Dunsmore Road
Rapid City, SD 57702

Dear Ms. Blanks:

As you requested, I have enclosed copies of all the documents we have on Water Permit No. 1726-2. I have also enclosed a partially completed transfer form you need to complete. Please sign and notarize the form and return it to our office with \$2.50 filing fee.

If you have any questions, please do not hesitate to contact me.

Sincerely,

N. RASSOOL AHADI
Natural Resources Engineer

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

No. 1726-2

TO: Chief Engineer
Water Rights Division, DWR
623 East Capitol
Pierre, SD 57501-3181



Date: September 9, 1991

I/We request that Water Permit/Right No. 1726-2

formerly owned by: Colonial Village Water Co.

be transferred to: (name & address) Colonial Pine Hills Sanitary District,

4605 Dunsmore Road, Rapid City, SD 57702 (telephone No.) 348-1364

Title to the following described land(s)/property has been transferred as described above:

Wells covered under Water Permit No. 1726-2 located in S1 Section 32, and SE1 SE1

Section 29, all in T1N-R7E

I/We understand that the validity of Water Permit/Right No. 1726-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file at the Division of Water Rights, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)
)
County of _____)

I/We Paul Lee being first duly sworn 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, and that I know of my own personal knowledge that the information herein stated is true.

William Beane
(Signed)

Subscribed and sworn to before me this 17 day of Sept., 19 91.

Sharon C. Blanks
(Notary Public)

My Commission Expires: 1-16-99

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a water right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

South Dakota

GREAT FACES. GREAT PLACES.

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

December 19, 1991

1726-2

Colonial Pines Hills Sanitary District
4605 Dunsmore Road
Rapid City SD 57702

Dear Sir:

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. 1726-2, 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.

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,

Genny McMath

Genny McMath
Natural Resources Analyst
(605) 773-3352

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

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)	
3. Article Addressed to: Colonial Pines Hills Sanitary District 4605 Dunsmore Road Rapid City, SD 57702	4. Article Number P 757 566 249 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature -- Addressee <i>Theresa C. Blomker</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature -- Agent X	
7. Date of Delivery 6.17.92	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1985-238-815

DOMESTIC RETURN RECEIPT



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 15, 1992

SECOND NOTICE

Permit No. 1726-2

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Colonial Pines Hills Sanitary District
4605 Dunsmore Road
Rapid City, SD 57702

Dear Sir:

On December 19, 1991, you were notified the final inspection fee of \$50.00 is due before Water License No. 1726-2 can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352



COLONIAL PINE HILLS SANITARY DISTRICT
4605 DUNSMORE ROAD
RAPID CITY, SOUTH DAKOTA 57702

South Dakota Department of
Environment and Natural Resources
Water Rights Division
523 East Capital
Pierre, South Dakota 57501-3161

Dear Sirs:

We are sorry for the delay in remitting the enclosed fee. We never received the notification you sent in December. (This is not the only important mail we have not received recently.)

I have finally been able to reach the two people required to sign a check and have enclosed it.

Thankyou,

Thankyou,
Marion Clarke

Sharon Blanks, Clerk
Colonial Pine Hills
Sanitary District

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, July 21, 1992

RECEIVED OF Colonial Pine Hills Sanitary District, 4605 Dunsmore Rd, Rapid City, SD 57702
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 _____		
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. 1726-2	50	00
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 Haddad/Emt
Chief Engineer

REDUCTION RATIO

FOLD NUMBER

DATE MICROFILMED

CAMERA OPERATOR SIGNATURE

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1726-2

(1) Colonial Village Water Company of Rapid City, SD 57702 made Application No. 1726-2, August 1, 1978 for a water permit to appropriate 0.50 cubic feet of water per second from groundwater, Pennington County, South Dakota for suburban housing development purposes. Permit No. 1726-2 with a priority date of August 27, 1980 was approved September 25, 1980 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before September 25, 1985 and for the application to beneficial use of said water on or before September 25, 1989.

On September 26, 1991, Water Permit No. 1726-2 was transferred to Colonial Pine Hills Sanitary District.

(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 0.38 cubic feet of water per second for beneficial use. The location of the diversion points are: Well No. 1: Approximately 1553 feet north, 2000 feet east from the Southwest corner of Section 32 (NE 1/4 SW 1/4); Well No. 2: Approximately 2582 feet north, 1092 feet west from the Southeast corner of Section 32 (NE 1/4 SE 1/4); Well No. 3: Approximately 417 feet north, 1210 feet west from the Southeast corner of Section 29 (SE 1/4 SE 1/4); all in T1N, R7E.

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

(4) Pursuant to Section 46-5-30.1 Colonial Pine Hills Sanitary District of 4605 Dunsmore Road, Rapid City, SD 57702-8948 the holder(s) and/or owner(s) of Water Permit No. 1726-2 is issued a license to appropriate water, the right to use 0.38 cubic feet of water per second from groundwater (three wells) with a priority date of August 27, 1980 from the location specified in (2) of this license. The water is to be used for the purpose of suburban housing development. This license is subject to any limitations or qualifications listed in Water Permit No. 1726-2 and subject to South Dakota State Law.


AUG 5 1992
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 5 1992

1726-2

Colonial Pine Hills Sanitary District
4605 Dunsmore Road
Rapid City, SD 57702-8948

Dear Sirs:

Enclosed is Water License No. 1726-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413321 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 1726-2, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

enclosures

This is the only
 information we've
 been able to acquire
 about the wells.
 We can't find out
 who drilled them.
 Thanks for your help.
 Sharon

17262

FARMER'S SUPPLY CO.
 2401 Hwy. 79 S.
 RAPID CITY, SD 57701
 Phone 342-0800

NAME <u>Myron Buckley</u>		DATE <u>9/12</u> 19 <u>91</u>
ADDRESS <u>Colonial Pine Hills Sanitary Distr.</u>		PHONE
CITY <u>4605 DUNSMORE ROAD</u>		
CITY <u>Rapid City SD 57702</u>		
☐ CASH	☐ CHANGE	☐ MOSE. RETD.
☐ C.O.D.	☐ PAID OUT	☐ ON ACCT.
PREVIOUS BALANCE		
INFORMATION Only		
<u>Naylor Well:</u>		
<u>1973 Static Level 452'</u>		
<u>Installed 1/13/83 - Flint & Walling</u>		
<u>7 1/2 HP 230V 30 mtr mtr #14-0313 D/C 86</u>		
<u>Flint & Walling Cartridge in Pump.</u>		
<u>First check at Pump + 147' - 400'</u>		
<u>Pump set 609' on existing 1 1/2" pipe</u>		
<u>Well cased 4" below 500 feet.</u>		
<u>Last date of service: 8/29/91</u>		
<u>Main Well</u>		
<u>Berkeley 8A H18-30 30HP</u>		
<u>30-460V MFD 02-87 Bms 699</u>		
<u>MTR MA87 3/N 23002 Set 798' on 3" steel</u>		
<u>Two check valves 42' & 420' above pump.</u>		
<u>Pump delivered 110 GPM - June '89</u>		
<u>Croyle Well - well depth not known</u>		
<u>7 1/2 HP 230V 30 Franklin MTR</u>		
<u>3/N 07-1435 DC 86 Set 525 feet 1 1/2" Galv Pipe</u>		
Thank You!		RECEIVED BY

PRODUCT 6101 ACTUS Inc. Credit, Work 61471 16 Date PHONE TOLL FREE 1-800-225-6380



McMath, Genny

1726-2

From: Harris, Linda
Sent: Friday, March 19, 1999 2:30 PM
To: McMath, Genny
Subject: Colonial Pine Hills

The info below is what I have following an inspection on March 1st at the 2 water systems managed by the Colonial Pine Hills (CPH) Sanitary District. Contact the District at:
Dawn Weldenbach, Manager
CPH Sanitary District
4605 Dunsmore Road
Rapid City, SD 57702
48-3113

The CPH/Whispering Pines water system has 3 wells that are apparently covered by WR permit 1726-2.

Well #1 (Main): 1978, 1109 ft, 6 in, NE 1/4 SW 1/4 Section 32, T1N, R7E

Well #2 (Naylor): 1978, 825 ft, 4 in, NE 1/4 SE 1/4 Section 32, T1N, R7E

Well #3 (Croyle): 1964, 725 ft, 4 in, SE 1/4 SE 1/4 Section 29, T1N, R7E

The CPH/Countryside South water system has 3 wells that are apparently covered by WR permit 2295-2.

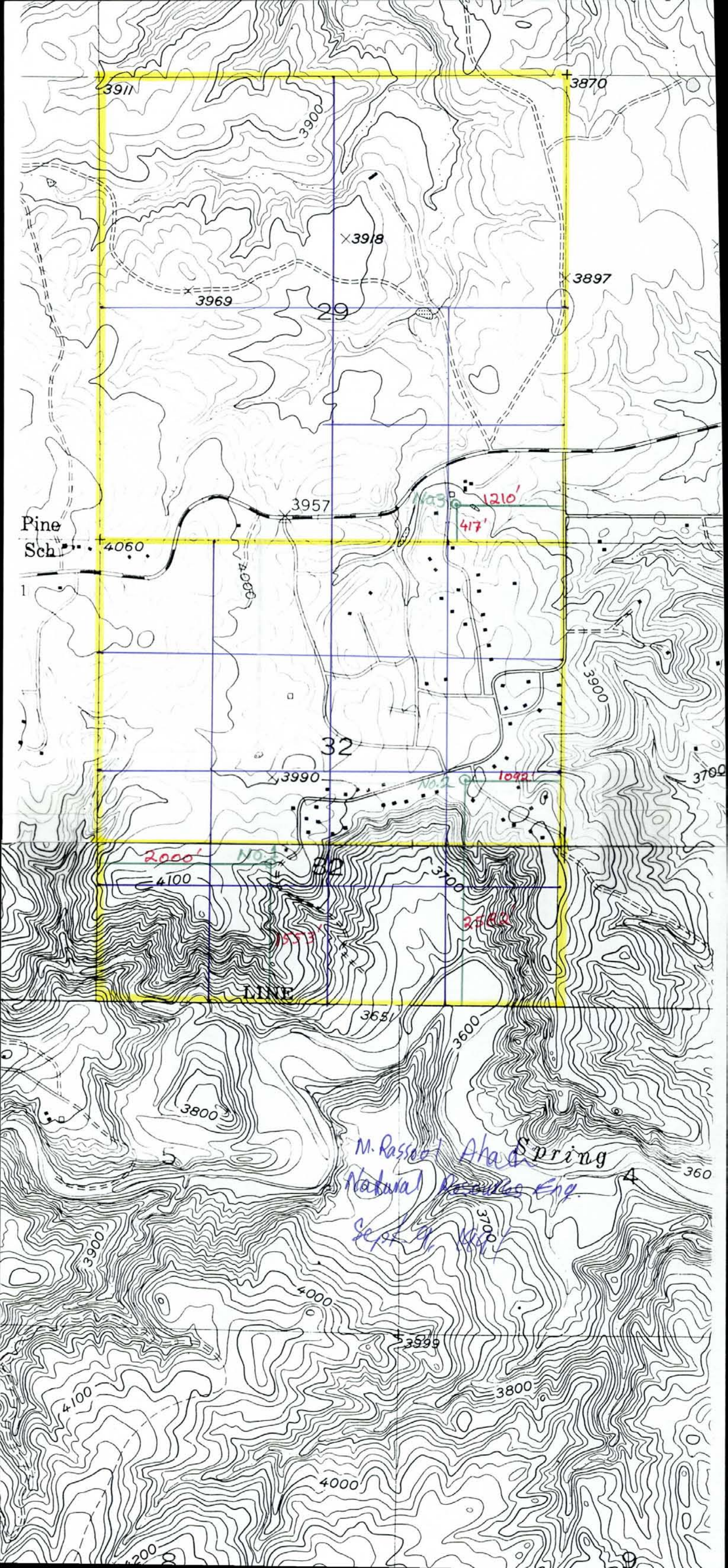
Well #1 (Main): 1994, 1400 ft, 7 in, SE 1/4 NE 1/4 Section 31, T1N, R7E.

Well #2 (Clarkson): 1976, 760 ft, 8 in, T1N, R7E (Sec 31 or 32)

Well #3 (Conifer): 1997, 1020 ft, 8 in, T1N, R7E (Sec 31 or 32)

The 2 water systems are adjacent to each other but are not connected.

Give me a call if you have any questions.
Linda 394-2229



NAYLOR
WELL

COLONIAL PINE HILLS SANITARY DISTRICT

WR#1726-2

Constant-Rate Test and Recovery Data
Naylor Well

Date: June 6 to June 7, 2001
Tested by: Weston Engineering, Inc., Upton, Wyoming

Monitoring Equipment: 120 Psi pressure gauge. Flow rates controlled by gate valve and flow rates monitored by flow meter, 5 gallon bucket, and stop watch.

Discharge: 27 and 30 gpm

Comments: Airline and pump set at 825 feet.

Elapsed Time (min)	Pressure (psi)	Drawdown (ft)	Comments
0	80.1	423.969	Adjust to 20 gpm
0.5	79.9	424.431	
1	79.9	424.431	
1.5	79.5	425.355	
2	79.5	425.355	
2.5	79.3	425.817	
3	79.2	426.048	
3.5	79.2	426.048	
4	79.2	426.048	
4.5	79.2	426.048	
5	79.2	426.048	Adjust up to 27 gpm. Use 5 gallon bucket to determine gpm
7	79.1	426.279	
8	79	426.51	
10	79	426.51	
11	78	428.82	
12	77	431.13	
13	76.9	431.361	
14	76.7	431.823	
15	76.7	431.823	
17	77	431.13	
20	76.9	431.361	Adjust up to 30 gpm. Use bucket to gage discharge
23	76.5	432.285	
27	76.4	432.516	
31	76	433.44	
35	75.7	434.133	
39	75.5	434.595	
44	75	435.75	
49	74.9	435.981	
55	74.7	436.443	
62	74.3	437.367	
72	74	438.06	Add air to airline and psi jumped to 76 psi 68 psi, add more air Airline is not properly functioning. Stop test and begin recovery
84	73	440.37	
99	72.5	441.525	
116	71.5	443.835	
136	71	444.99	
166	68	451.92	
224	66	456.54	
389	58.5	473.865	
749	45	505.05	
904			
1024			

Table 1
Colonial Pine Hills Sanitary District
Water Quality Results
April 16, 2001

Parameters	Conifer Well	Countryside South Main Well	Clarkson Well	Whispering Pines Main Well	Naylor Well	Croyle Well
Inorganic Analysis (mg/L, except as noted)						
Alkalinity, Total	150	148	174	168	134	158
Bicarbonate	195	180	212	205	163	193
Calcium	40	36	42	41	41	48
Carbonate	<1	<1	<1	<1	<1	<1
Chloride	3	<1	4	2	9	12
Conductivity @ 25 C (umhos/cm)	405	339	376	395	364	388
Hardness, as CaCO ₃	178	164	187	181	164	186
Langlier Index (Corrosivity)	0.163	0.094	0.178	0.18	0.291	0.099
Magnesium	18	18	20	18	15	16
pH (standard units)	7.89	8.29	7.84	7.84	7.5	7.75
Potassium	2	1	2	2	3	2
Sodium	16	8	5	12	8	8
Solids, Total Dissolved	200	160	170	190	190	190
Sulfate	48	26	13	31	20	21
Trace Metals Analysis						
Iron	0.25	2.38	<0.03	0.17	0.64	0.19
Manganese	<0.01	0.08	<0.01	<0.01	<0.01	<0.01

Highlighted wells drilled and completed in Deadwood Formation.

Table 2
Colonial Pine Hills Sanitary District
Water Quality Results

Parameters	Whispering Pines Main Well (5/31/01)	Conifer Well (6/1/01)	Countryside South Main Well (6/6/01)
Bacterial Analysis			
Coliform, Total	Absent	Absent	Absent
Coliform, E-Coli	Absent	Absent	Absent
Inorganic Analysis			
Conductivity @ 25 C (umhos/cm)	391	388	334
Sodium (mg/L)	12	13	6
Sulfate (mg/L)	36	38	29
Nutrient Analysis			
Nitrate as N (mg/L)	0.07	<0.05	<0.05
Trace Metal Analysis			
Iron (mg/L)	<0.03	0.35	0.04
Manganese (mg/L)	<0.01	<0.01	<0.01
Radiological Analysis			
Radon 222 (pCi/L)	879	1160	2160
Precision (pCi/L)	90	82	145

FARMER'S SUPPLY CO.

2401 Hwy. 79 S.
RAPID CITY, SD 57701
Phone 342-0800

1736-2

NAME <u>Myron Buckley</u>		DATE <u>9/12</u>	19 <u>91</u>
ADDRESS <u>Colonial Pines Hills Sanitary Distr.</u>		PHONE	
CITY <u>Rapid City</u> SD <u>57702</u>			
☐ CASH	☐ CHARGE	☐ MOSE. RETD.	PREVIOUS BALANCE
☐ C.O.D.	☐ PAID OUT	☐ PD. ON ACCT.	
INFORMATION ONLY			
<u>NAVAL WELL:</u>			
<u>1973 STATIC LEVEL 452'</u>			
<u>INSTALLED 1/13/83 - Flint & Walling</u>			
<u>7 1/2 HP 230V 30mtr mtr #14-0313 D/C 86</u>			
<u>Flint & Walling Cartridge 10 Pump</u>			
<u>First check at Pump + 147' - 400'</u>			
<u>Pump set 609' on existing 1 1/2" pipe</u>			
<u>Well cased 4" Below 500 feet</u>			
<u>LAST DATE OF SERVICE: 8/29/91</u>			
<u>MAIN WELL</u>			
<u>BERKELEY 8418-30 30HP</u>			
<u>30-460V MFD 02-87 Bms 699</u>			
<u>MTR MA-87 3/4" 23002 SET 798' ON 3" STEEL</u>			
<u>TWO CHECK VALVES 42' + 420' Above Pump</u>			
<u>Pump delivered 110 GPM - June '89</u>			
<u>CRONIE WELL - well depth not known</u>			
<u>7 1/2 HP 230V 30 Franklin MTR</u>			
<u>#407-1435 DC 86 SET 525 Feet 1 1/2" Galv Pipe</u>			
Thank You!		RECEIVED BY	

THIS IS TO CERTIFY THAT THE ABOVE RECORDS WAS
RECORD AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS ACCORDING TO THE PROVISIONS OF THE ABOVE RECORDS WAS
DAKOTA CODIFIED LAWS. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC PROCESS USED FOR MICROFILMING OF THE ABOVE RECORDS WAS
IN A MANNER AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF ADMINISTRATIVE RULES OF SOUTH DAKOTA 10:04:01
AND 10:04:02 FOR MICROGRAPHIC REPRODUCTIONS.

REDUCTION RATIO 1-24

ROLL NUMBER 10-15-92

DATE MICROFILMED 10-15-92

CAMERA DEVIATION SIGNATURE Janis R. Kopp

PROJECT 091 (N285) Inc., Census Bureau (147) to Order PHONE 1011 (191) 1-800-725-4325

