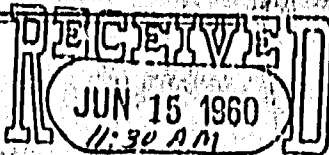


No. 611-2Water Division No. 4 Rapid-Creek District
(Blank to be filled by the Engineer for the W. R. C.)STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT

To appropriate Water within the State of South Dakota

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

1. Name of applicant CITY OF RAPID CITY
Postoffice address 22 Main St., County Pennington, State South Dakota

I. If a corporation Municipal

- (a) Name of same Mayor Dusek and Rapid City City Council
(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)

By Contract

- (b) Cash on hand, \$ 25,000 (c) Treasury stock, \$ ---
(d) Bonds to be issued, \$ --- (e) Other resources, \$ 50,000

2. Name of diversion work Arrowhead Sprinkler Pumphouse No. 1
3. Amount of water claimed 2000 gpm 2.38 cubic feet per second
4. Source of water supply --- RAPID CREEK
5. Location of point of diversion S 66°13'30" W for 218.54' from E 1/16 corner of NE 1/4 Section 9,
T1N, R7E to Rapid Creek on South bank Pennington County.
6. Annual period or periods during which water is to be used May 1st. to October 1st.
7. To be used for:

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

- (a) Number of acres to be irrigated 167 acres
NW 1/4, E 1/4, NE 1/4, SE 1/4, SW 1/4 all in Sec. 15, T1N, R7E
(b) Legal subdivisions to be irrigated Pts. of S 1/4, S 1/4, NW 1/4, Section 10, T1N, R7E

(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.) Domestic use for the City of
Rapid City.

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

- (a) Nature of use Public Recreation.
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 Approximately 100' downstream from
pumphouse.

Map No 556-2

8. Estimated cost of work:

(a) Head Gates, \$..... (b) Pumping plant, \$25,000
 (c) Fluming, \$..... (d) Canal earth, \$..... Rock, \$.....
 (e) Other structures Total, \$25,000

9. Description of diversion works:

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

Sum in Diversionhouse.

II. Dimensions of works:

(a) Dam: Height feet; length at bottom feet; length at top feet; thickness at bottom feet; thickness at top feet; slope at front water face; slope at back face
 material used in construction
 (b) Reservoir: Capacity when filled acre feet. Surface area at highwater mark acres.

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

(c) Head gate: Width feet; height feet;
 Material

(d) Canal: Total length miles.

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 work Three (3) years. 2 Additional yrs. above.
 11. Time required for complete application of water to the proposed beneficial use 22 years.
 12. Choice of newspaper for publication of notice of intention to appropriate Gate City Guide

STATE OF SOUTH DAKOTA

County of Pennington } ss.

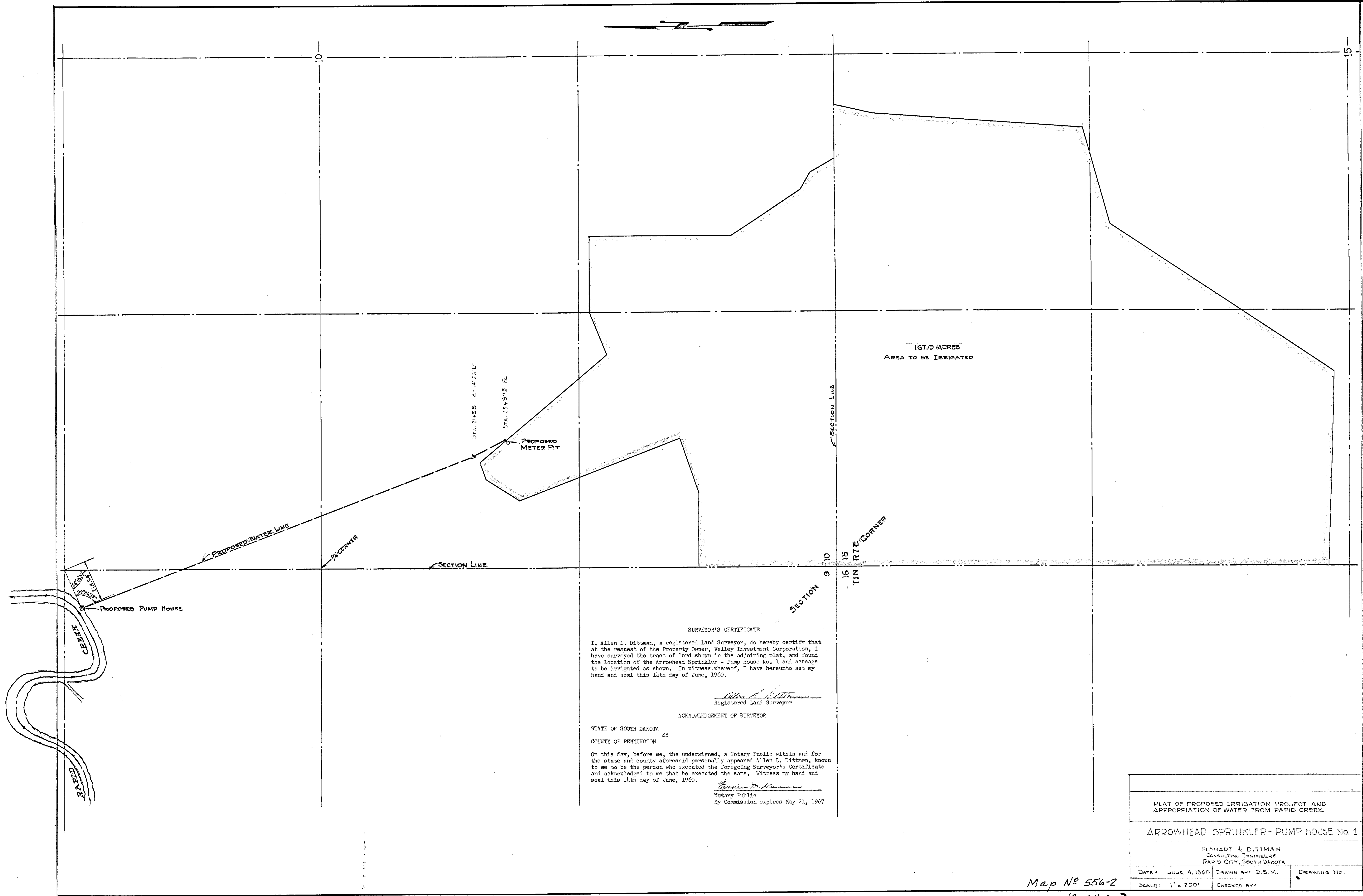
I, Fred D. Smith, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated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

Signed Fred D. Smith - Mayor

Subscribed and sworn to before me this 1st day of June 1960

W. L. Roberts
 Notary Public (or other qualified officer.)

*Each diversion must have a headgate or measuring device.



SURVEYOR'S CERTIFICATE

I, Allen L. Dittman, a registered Land Surveyor, do hereby certify that at the request of the Property Owner, Valley Investment Corporation, I have surveyed the tract of land shown in the adjoining plat, and found the location of the Arrowhead Sprinkler - Pump House No. 1 and acreage to be irrigated as shown. In witness whereof, I have hereunto set my hand and seal this 11th day of June, 1960.

Allen L. Dittman
Registered Land Surveyor

ACKNOWLEDGEMENT OF SURVEYOR

STATE OF SOUTH DAKOTA SS
COUNTY OF PENNINGTON

On this day, before me, the undersigned, a Notary Public within and for the state and county aforesaid personally appeared Allen L. Dittman, known to me to be the person who executed the foregoing Surveyor's Certificate and acknowledged to me that he executed the same. Witness my hand and seal this 11th day of June, 1960.

Louise M. Dittman
Notary Public
My Commission expires May 21, 1967

PLAT OF PROPOSED IRRIGATION PROJECT AND
APPROPRIATION OF WATER FROM RAPID CREEK

ARROWHEAD SPRINKLER - PUMP HOUSE No. 1.

FLAHART & DITTMAN
CONSULTING ENGINEERS
RAPID CITY, SOUTH DAKOTA

DATE: JUNE 14, 1960	DRAWN BY: D.S.M.	DRAWING NO.
SCALE: 1" = 200'	CHECKED BY:	

Map No 556-2

(Appl No 611-2)

Remarks by State Water Resources Commission:

The priority of this Permit is established under future use withdrawal permit 439-2. Replacement of withdrawals under this permit will be made from Pacton or Deerfield reservoirs under the Rapid City contract with the U.S. Government.

STATE OF SOUTH DAKOTA
County of Hughes ss.

Pierre, South Dakota, October 21, 1960

This is to certify that the foregoing application was received by the Commission at 11:30 o'clock a.m. upon the 15th day of June, 1960.

State Water Resources Commission

By:

for Chief Engineer, Executive Officer

Number of permit 611-2

Date of first receipt of application June 15, 1960

Date of return to applicant for correction, amendments or changes required as follows: 10

Date of receipt of corrected application 10

Date from which applicant may claim right September 22, 1960

Approved October 19, 1960, Recorded in Book 6 Page 141

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

April 19, 1961

2nd. The whole of said work is to be completed on or before October 19, 1963

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

October 19, 1965

4th. The water appropriated shall be used for the purpose of irrigation

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 2.38 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 on or before October 19, 1965; said water to be used during the following described annual period:

May to September, inclusive

Witness my hand this 22nd day of November, 1960.

State Water Resources Commission

By:

Chief Engineer, Executive Officer

Certificate of Construction Issued OCTOBER 28, 1970

Water License Issued OCTOBER 28, 1970

THE UNIVERSITY OF CHICAGO
LIBRARY
1110 S. EAST
CHICAGO, ILL.

WATER LICENSE NO. 611-2

(1) WHEREAS, On the 15th day of June A. D. 19 60
the City of Rapid City

made Water Right Application No. 611-2 for a permit to use 2.38 cubic feet per second of the waters
of Rapid Creek

County of Pennington, State of South Dakota, for Irrigation (Arrowhead Golf Course)
purposes; and

(2) WHEREAS, On the 22nd day of November A. D. 19 60
Permit No. 611-2 with a date of priority of September 22, 1956

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 19th day of October A. D. 19 63 and for the
application to beneficial use of said water on or before the 19th day of October A. D. 19 65

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 2.38 cubic feet
per second of water for beneficial use and;

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent:

for irrigating the Arrowhead Golf Course located on the following land all
in T1N, R7E

Section 10, NW $\frac{1}{4}$ SW $\frac{1}{4}$ 8 acres

SW $\frac{1}{4}$ SW $\frac{1}{4}$ 33 acres

SE $\frac{1}{4}$ SW $\frac{1}{4}$ 16 acres

Section 15, NW $\frac{1}{4}$ NW $\frac{1}{4}$ 40 acres

NE $\frac{1}{4}$ NW $\frac{1}{4}$ 29 acres

SW $\frac{1}{4}$ NW $\frac{1}{4}$ 36 acres

SE $\frac{1}{4}$ NW $\frac{1}{4}$ 1 acre

Total 167 Acres

(5) 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 City of Rapid City

the holder _____ and owner _____ of said permit No. 611-2 a water right, dating from September 22, 1956 to use of 2.38 cubic feet per second of the waters of Rapid Creek

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 South 66° 13' 30" West, 218.54 feet from the E 1/16 Corner, NE 1/4, Section 9, T1N, R7E

and conduct to and upon portions of Sections 10 and 15, T1N, R7E, described on the face of this License

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 611-2 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 28th day of October A. D.
Nineteen Hundred and Seventy

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRINES

Form 15.

Permit No. 611-2

Water Diversion No. 2 RAPID CREEK Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That the City of Rapid City

_____ the holder _____ of
Permit No. 611-2, issued upon Application No. 611-2, bearing date of priority of September 22,
1956 authorizing the diversion of 2.38 cu. ft. per second of the waters of _____
Rapid Creek County of Pennington, State of South Dakota at _____
point South 66° 13' 30" West, 218.54 feet from the E 1/16 Corner, NE 1/4,
Section 9, T1N, R7E
_____, for irrigation

purposes, has _____ 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 3.0 cu. ft. per second of water.

Date October 24, 1970

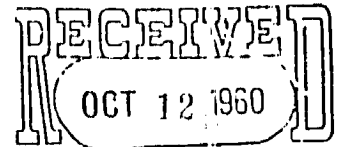
WATER RESOURCES COMMISSION

By:

J.W. GRIMES, Executive Officer

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
 County of Pennington } ss.



STATE WATER RESOURCES COMM.
 PIERRE SOUTH DAKOTA

Faye Crawford being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the _____

Gate City Guide 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:

September 8, 1960

September 15, 1960

September 22, 1960

September 29, 1960

in each and every issue of the full number thereof, the first publication being made on the 8th day of Sept.

1960 and the last publication on the 29th day of

September 1960, 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.

Faye Crawford

Subscribed and sworn to before me this 30th day of September A. D. 1960.

Pho. D. W. W. W.

Notary Public, Pennington County, S. D.

No. 611-2
 APPROPRIATION OF WATER
 Office of State Water Resources Commission, Pierre, S. Dak., August 12, 1960.
 Notice is hereby given that the City of Rapid City, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to change the point of diversion for 239 cubic feet of water per second of time from Rapid Creek through the Arrowhead Sprinkler Pump House No. 1 to the new point of diversion of which is to be located on the south bank of said stream in the NW 1/4 of the SE 1/4 of Section 10 Twp. 1N Range 7E. Said water is to be used for the purpose of providing irrigation on portions of the following described land: NW 1/4, Sec. 10; NW 1/4, Sec. 13, T. 1N, R. 7E, without running the water through the City treatment plant.
 This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 10th day of October, 1960, at 2 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: Burton F. Jones
 Water Right Specialist
 Published Sept. 8-11

on or before
(First Publication September 23, 1960)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., August 12, 1960

Notice is hereby given that the City of Rapid City, whose postoffice address is 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 2.38 cubic feet of water per second of time from the Rapid Creek through the Arched Sprinkler Pump House, a new point of diversion of which is to be located on the south bank of said stream in the NW 1/4 of the SE 1/4 of Section 10 portions of Twp. 14 Range 7E. Said water to be used for the purpose of providing irrigation on the following described land:

SW 1/4, Sec 10; NW 1/4 Sec. 15, T14 R7E, without running the water through the City treatment plant

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 19th day of October, 1960, at 2 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.

cc: Theo. B. Werner - Publisher
Rapid City Guide
Rapid City, South Dakota

State Water Resources Commission

By: BURTON F. JONES

Chief Engineer, Executive Officer
Water Right Specialist

Remarks by State Water Resources Commission:

The priority of this Permit is established under future use withdrawal permit 439-2. Replacement of withdrawals under this permit will be made from Pucton or Deerfield reservoirs under the Rapid City contract with the U.S. Government.

STATE OF SOUTH DAKOTA
County of Hughes ss.

Pierre, South Dakota, October 21, 1960

This is to certify that the foregoing application was received by the Commission at 11:30 o'clock a.m. upon the 15th day of June, 1960.

State Water Resources Commission

By:

for Chief Engineer, Executive Officer

Number of permit 611-2

Date of first receipt of application June 15, 1960

Date of return to applicant for correction, amendments or changes required as follows: 10

Date of receipt of corrected application 10

Date from which applicant may claim right September 22, 1960

Approved October 19, 1960, Recorded in Book 6 Page 141

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

April 19, 1961

2nd. The whole of said work is to be completed on or before October 19, 1963

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

October 19, 1965

4th. The water appropriated shall be used for the purpose of irrigation

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 2.38 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 on or before October 19, 1965; said water to be used during the following described annual period:

May to September, inclusive

Witness my hand this 22nd day of November, 1960.

State Water Resources Commission

By:

Chief Engineer, Executive Officer

Certificate of Construction Issued OCTOBER 28, 1970

Water License Issued OCTOBER 28, 1970

WATER LICENSE NO. 611-2

(1) WHEREAS, On the 15th day of June A. D. 19 60
the City of Rapid City

made Water Right Application No. 611-2 for a permit to use 2.38 cubic feet per second of the waters
of Rapid Creek

County of Pennington, State of South Dakota, for Irrigation (Arrowhead Golf Course)
purposes; and

(2) WHEREAS, On the 22nd day of November A. D. 19 60
Permit No. 611-2 with a date of priority of September 22, 1956

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 19th day of October A. D. 19 63 and for the
application to beneficial use of said water on or before the 19th day of October A. D. 19 65

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 2.38 cubic feet
per second of water for beneficial use and;

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent.

for irrigating the Arrowhead Golf Course located on the following land all
in T1N, R7E

Section 10, NW $\frac{1}{4}$ SW $\frac{1}{4}$ 8 acres

SW $\frac{1}{4}$ SW $\frac{1}{4}$ 33 acres

SE $\frac{1}{4}$ SW $\frac{1}{4}$ 16 acres

Section 15, NW $\frac{1}{4}$ NW $\frac{1}{4}$ 40 acres

NE $\frac{1}{4}$ NW $\frac{1}{4}$ 29 acres

SW $\frac{1}{4}$ NW $\frac{1}{4}$ 36 acres

SE $\frac{1}{4}$ NW $\frac{1}{4}$ 1 acre

Total 167 Acres

(5) 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 City of Rapid City

the holder _____ and owner _____ of said permit No. 611-2 a water right, dating from September 22, 1956 to use of 2.38 cubic feet per second of the waters of Rapid Creek

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 South 66° 13' 30" West, 218.54 feet from the E 1/16 Corner, NE 1/4, Section 9, T1N, R7E

and conduct to and upon portions of Sections 10 and 15, T1N, R7E, described on the face of this License

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 611-2 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 28th day of October A. D.
Nineteen Hundred and Seventy

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRINES

on or before
(First Publication September 23, 1960)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., August 12, 1960

Notice is hereby given that the City of Rapid City, whose postoffice address is 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 2.38 cubic feet of water per second of time from the Rapid Creek through the Arched Sprinkler Pump House, a new point of diversion of which is to be located on the south bank of said stream in the NW 1/4 of the SE 1/4 of Section 10 portions of Twp. 14 Range 7E. Said water to be used for the purpose of providing irrigation on the following described land:

SW 1/4, Sec 10; NW 1/4 Sec. 15, T14 R7E, without running the water through the City treatment plant

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 19th day of October, 1960, at 2 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.

cc: Theo. B. Werner - Publisher
Rapid City Guide
Rapid City, South Dakota

State Water Resources Commission

By: BURTON F. JONES

Chief Engineer, Executive Officer
Water Right Specialist

RAIN BIRD PORTABLE TURF AND GREENS SPRINKLER

Specifically designed for the exacting job of efficient, controlled watering of golf course greens and other well-groomed turf areas.

introducing the

NEW TURF BIRD R-70S portable greens sprinkler

"Hi-Lo" completely
shut off.

Exclusive "Hi-Lo"
nozzle can be adjusted
easily with a penny
or screwdriver!

"Hi-Lo" can
be cleaned.

WHEEL BASE MODEL W-70S
ALSO AVAILABLE

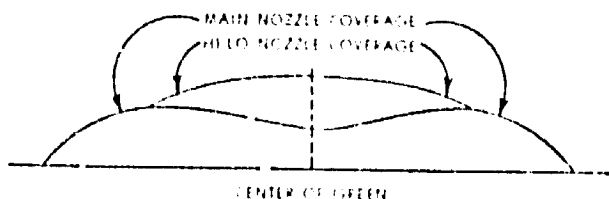
for "Controlled Watering"
from one position on the green

The new Turf Bird R-70S portable sprinkler features the regular main nozzle and the exclusive new adjustable "Hi-Lo" shut off nozzle!

Large main nozzle assures a gentle, penetrating coverage of turf areas up to 150 ft. in diameter!

The exclusive adjustable "Hi-Lo" nozzle can be shut off completely to give additional water to the outer edge of the greens or the "Hi-Lo" can be adjusted to increase the amount of water on the heavily traveled center of the green.

Even, controlled water distribution and penetration over the entire green, from center to edge, can be obtained with a single setting of the new Turf Bird R-70S.



see other side for additional Turf Bird models

RAIN BIRD Model 70S

performance chart

NOZZLE PRESS.	3/16" x 1/8" HLS	7/32" x 1/8" HLS	1/4" x 1/8" HLS	9/32" x 1/8" HLS	5/16" x 1/8" HLS	11/32" x 1/8" HLS	3/8" x 1/8" HLS
P.S.I.	Diam GPM	Diam GPM	Diam GPM	Diam GPM	Diam GPM	Diam GPM	Diam GPM
25	110 7.2	113 9.1	115 11.2	118 13.4	120 16.0	122 18.7	124 21.2
30	112 8.0	115 10.0	117 12.3	120 14.9	123 17.6	125 20.4	127 23.1
35	113 8.6	116 10.8	118 13.3	121 16.2	124 19.1	126 22.3	129 25.4
40	114 9.3	117 11.6	121 14.3	126 17.4	130 20.5	133 23.9	136 27.2
45	115 9.9	118 12.4	122 15.2	129 18.5	133 21.9	136 25.5	139 29.0
50	116 10.4	119 13.0	123 16.0	130 19.4	134 23.1	137 26.9	140 30.6
55	117 10.9	120 13.7	124 16.9	132 20.4	136 24.3	139 28.3	141 32.4
60	118 11.4	121 14.1	125 17.6	133 21.4	137 25.7	140 29.6	141 34.0
65	120 11.9	124 15.0	128 18.1	136 22.4	140 26.6	143 31.0	147 35.6
70	122 12.4	127 15.5	131 19.1	138 23.2	142 27.6	146 32.2	150 36.9
75	125 12.8	130 16.0	134 19.8	141 24.1	145 28.6	149 33.4	153 39.3
80	128 13.2	133 16.5	137 20.4	144 24.8	148 29.6	152 34.5	156 39.6

*Indicates standard nozzle size.

With 100 PSI nozzle of any water pressure will produce the same amount of water.

Settings, select pressure from below broken line.

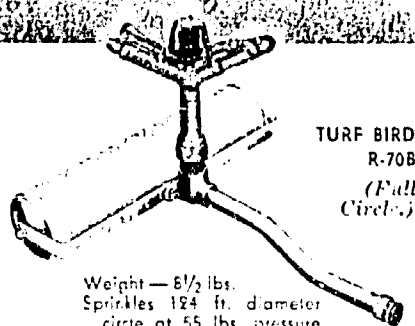
* Break line in chart indicates the amount of water pressure required for the nozzle to be used.

* Indicated diameters based on use of 5/8" pipe up to diameter of 12 gpm, 9/8" pipe to 26 gpm, 12" pipe above 26 gpm.

RAIN BIRD TURF BIRD MODELS

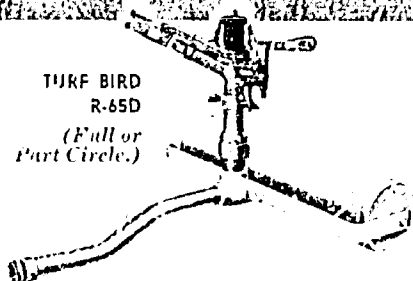
The new Turf Bird models are ideal for "controlled watering" of golf greens and newly seeded turf areas. The broad wheel or roller base provides

a sturdy support, can be pulled easily by the hose, and leaves no tracks.



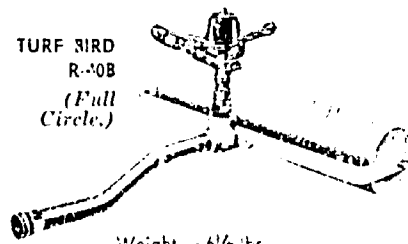
**TURF BIRD
R-70B**
(Full
Circle.)

Weight — 6½ lbs.
Sprinkles 124 ft. diameter
circle at 55 lbs. pressure
¾" x 11/64" nozzle —
19.7 gpm.
(Other nozzle sizes
available)
18" roller base with ¾" or
1" swivel hose connection.
(Specify size.)



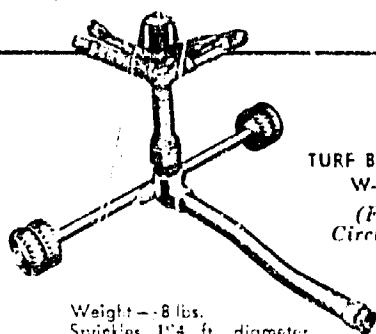
**TURF BIRD
R-65D**
(Full or
Part Circle.)

Weight — 6½ lbs.
Sprinkles 57 ft. radius at 55
lbs. pressure
¾" nozzle — 13.6 gpm.
18" wheel base with ¾" or
1" swivel hose connection.
(Specify size.)



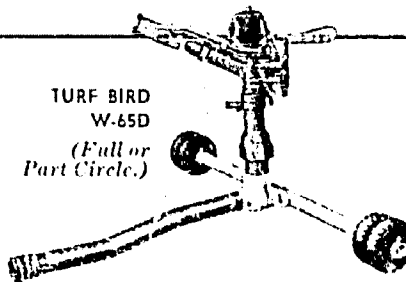
**TURF BIRD
R-40B**
(Full
Circle.)

Weight — 6½ lbs.
Sprinkles 102 ft. diameter at
45 lbs. pressure
3/16" x 1/8" — 20" nozzle —
10.1 gpm.
18" roller base with ¾" or
1" swivel hose connection.
(Specify size.)



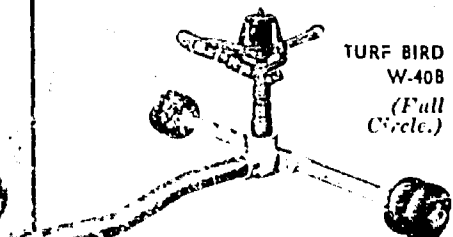
**TURF BIRD
W-70B**
(Full
Circle.)

Weight — 8 lbs.
Sprinkles 114 ft. diameter
circle at 55 lbs. pressure
¾" x 11/64" nozzle —
19.7 gpm.
18" wheel base with ¾" or
1" swivel hose connection.
(Specify size.)



**TURF BIRD
W-65D**
(Full or
Part Circle.)

Weight — 6½ lbs.
Sprinkles 57 ft. radius at 55
lbs. pressure
¾" nozzle — 13.6 gpm.
18" wheel base with ¾" or
1" swivel hose connection.
(Specify size.)



**TURF BIRD
W-40B**
(Full
Circle.)

Weight — 4½ lbs.
Sprinkles 102 ft. diameter at
45 lbs. pressure
3/16" x 1/8" — 20" nozzle —
10.1 gpm.
18" wheel base with ¾" or
1" swivel hose connection.
(Specify size.)

See catalog sheet R-2000 for other nozzle sizes and full sprinkler performance information

TURF BIRD BASES



**18"
ROLLER
BASE**

Weights 3 lbs.
Broad, smooth 4" roller is easily
pulled by hose... leaves no tracks
on golf greens or newly seeded
turf areas. Recommended for any
Model 40B, 35, 65D or 70B series
Rain Bird Sprinkler ¾" or 1"
sprinkler connection. (Specify size.)
¾" or 1" swivel hose connection.
(Specify size.)



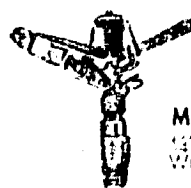
**18"
WHEEL
BASE**

Weights 3 lbs.
Provides sturdy sprinkler support
and rolls easily from sprinkling
area to sprinkling area. Recommended for any Model 40B, 35,
65D or 70B series Rain Bird
Sprinkler ¾" or 1" sprinkler
connection. (Specify size.) ¾" or 1"
swivel hose connection. (Specify
size.)

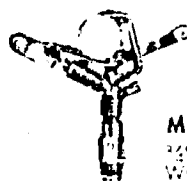
RAINY SPRINKLER SALES

Division of L. R. Nelson Mfg. Co., Inc. **PEORIA, ILLINOIS**

FULL CIRCLE TYP SPRINKLERS



MODEL 30
1 1/2" male connection
Wt. 1 1/4 lbs.



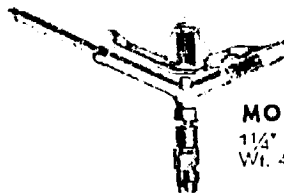
MODEL 40B
1 1/2" male connection
Wt. 1 1/4 lbs.

Nozzle Pressure P.S.I.	Nozzles 5/32" x 3/32"-7"	Nozzles 11/64" x 3/32"-7"	Nozzles 3/16" x 3/32"-7"	Nozzles 3/16" x 1/8"-20"	Nozzles 12/64" x 1/8"-20"	Nozzles 7/32" x 1/8"-20"	Nozzles 1/4" x 1/8"-20"
Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.
25	82 4.83	83 5.55	65 7.31	85 7.41	86 8.30	88 9.24	91 11.3
30	85 5.28	88 6.07	91 6.93	91 8.14	94 9.15	96 10.2	100 12.4
35	87 5.71	90 6.57	94 7.52	94 8.83	97 9.94	100 11.1	102 13.4
40	88 6.11	92 7.03	96 8.07	96 9.43	99 10.7	102 11.9	104 14.5
45	89 6.48	93 7.46	98 8.57	98 10.1	101 11.3	104 12.7	106 15.4
50	90 6.84	95 7.87	100 9.34	100 10.6	103 11.9	106 13.3	108 16.2
55	91 7.17	96 8.25	101 9.46	101 11.1	104 12.5	107 13.9	109 17.5
60	92 7.47	97 8.59	102 9.85	102 11.6	105 13.0	108 14.4	110 17.7

Nozzle Pressure P.S.I.	Nozzles 5/32" x 3/32"-7"	Nozzles 11/64" x 3/32"-7"	Nozzles 3/16" x 3/32"-7"	Nozzles 3/16" x 1/8"-20"	Nozzles 12/64" x 1/8"-20"	Nozzles 7/32" x 1/8"-20"	Nozzles 1/4" x 1/8"-20"
Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.
25	85 4.83	87 5.55	83 6.31	85 7.41	86 8.30	88 9.24	91 11.3
30	90 5.28	92 6.07	88 6.84	91 8.14	94 9.15	96 10.2	100 12.4
35	92 5.71	95 6.57	90 7.31	94 8.83	97 9.94	100 11.1	102 13.4
40	93 6.11	96 7.03	100 8.07	100 9.43	103 10.7	106 11.9	108 14.5
45	94 6.48	98 7.46	102 8.57	102 10.1	105 11.3	108 12.7	110 15.4
50	95 6.84	100 7.87	104 9.04	104 10.6	107 11.9	110 13.3	112 16.2
55	97 7.17	101 8.25	106 9.45	106 11.1	109 12.5	112 13.9	114 17.0
60	98 7.47	102 8.59	107 9.85	107 11.6	110 13.0	113 14.4	115 17.7



MODEL 70B
1" female connection
Wt. 2 1/4 lbs.

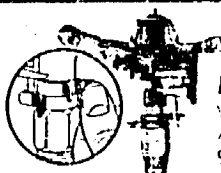


MODEL 80B
1 1/4" male connection
Wt. 4 lbs.

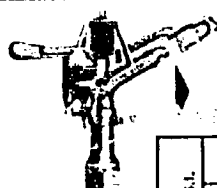
Nozzle Pressure P.S.I.	Nozzles 7/32" x 11/64"	Nozzles 1/4" x 11/64"	Nozzles 1/4" x 3/16"	Nozzles 9/32" x 3/16"	Nozzles 9/32" x 7/32"	Nozzles 5/16" x 7/32"	Nozzles 11/32" x 7/32"
Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.
25	113 11.2	115 13.0	115 13.3	118 15.8	118 17.7	120 19.9	122 22.5
30	115 12.3	117 14.3	117 15.2	120 17.5	120 19.4	123 21.8	125 24.7
35	116 13.2	118 15.6	118 16.5	121 18.9	121 21.0	124 23.7	126 26.5
40	117 14.1	121 16.7	121 17.7	126 20.3	126 22.6	128 25.4	130 29.7
45	118 15.2	122 17.8	122 18.8	128 21.6	128 24.0	130 27.1	132 30.8
50	119 16.0	123 18.8	123 20.0	130 22.8	130 25.4	132 28.7	134 32.4
55	120 16.7	124 19.7	124 21.1	132 24.0	132 26.8	134 30.2	137 34.6
60	121 17.5	125 20.6	125 22.0	133 25.2	133 28.0	135 31.7	140 36.6
65	124 18.2	128 21.7	128 23.3	136 26.3	136 29.2	140 33.1	143 37.1
70	127 19.0	131 22.6	131 24.3	139 27.4	139 30.4	142 34.5	145 38.6
75	132 19.7	136 23.3	136 25.1	141 28.3	141 31.5	145 35.8	148 40.0
80	133 20.3	137 24.0	137 25.5	144 29.2	144 32.6	148 37.0	152 41.3

Nozzle Pressure P.S.I.	Nozzles 11/32" x 7/32"	Nozzles 3/8" x 7/32"	Nozzles 13/32" x 7/32"	Nozzles 7/16" x 1/4"	Nozzles 1/2" x 1/4"	Nozzles 9/16" x 1/4"	Nozzles 5/8" x 1/4"
Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.	Nozzle Diameter Feet	Discharge G.P.M.
40	152 29.6	158 33.0	163 37.6	163 45.0	178 54.3	183 64.3	197 75.9
45	153 31.5	162 35.5	167 40.1	172 47.8	182 57.6	192 68.4	201 80.9
50	160 33.2	166 37.6	171 42.4	176 50.5	186 60.9	196 72.5	205 85.7
55	164 34.8	170 39.6	175 44.6	180 53.1	190 64.0	200 75.5	209 90.2
60	168 35.5	174 41.4	179 46.6	184 55.6	194 67.0	204 80.5	213 95.7
65	171 33.0	177 43.2	182 48.6	187 58.0	197 70.0	207 84.1	216 99.2
70	174 40.1	180 44.9	185 50.4	190 60.3	200 72.6	210 87.4	219 103.2
75	177 41.0	183 45.7	188 52.4	192 62.7	203 75.4	213 90.7	222 106.9
80	181 42.6	187 48.3	191 54.3	196 64.8	206 78.0	216 93.9	225 110.6
85	181 43.8	189 49.8	194 56.0	199 67.0	209 80.5	219 96.9	228 114.3
90	185 45.7	192 51.4	197 57.9	202 69.3	212 82.6	222 99.5	231 117.3
95	188 46.6	194 53.0	199 59.6	204 71.0	214 85.0	224 102.2	233 121.0
100	190 47.9	196 54.5	201 61.2	206 73.0	216 87.2	226 105.1	235 124.3

FULL OF PART CIRCLE SPRINKLERS



MODEL 35
With K nozzle
Also available with adjustable nozzle
3/4" male connection
Wt. 1 1/2 lbs.



MODEL 65D
1" female connection
Wt. 3 1/2 lbs.

Nozzle Pressure P.S.I.	Nozzle 5/32" K	Nozzle 11/64" K	Nozzle 3/16" K	Nozzle 13/64" K	Nozzle 7/32" K
Nozzle Radius Feet	Discharge G.P.M.	Nozzle Radius Feet	Discharge G.P.M.	Nozzle Radius Feet	Discharge G.P.M.
25	43 3.52	41 4.24	42 5.00	43 5.83	44 6.83
30	41 3.85	42 4.64	41 5.53	41 6.51	43 7.78
35	42 4.16	43 5.02	44 5.97	45 7.08	46 8.26
40	43 4.45	44 5.37	45 6.41	46 7.43	47 8.67
45	44 4.72	45 5.70	46 6.81	47 8.07	48 9.41
50	45 4.98	46 6.01	47 7.18	48 8.43	49 9.83
55	46 5.22	47 6.30	48 7.51	49 8.67	50 10.2
60	47 5.44	48 6.55	49 7.82	50 9.20	51 10.6

Nozzle Pressure P.S.I.	Nozzle 3/16"	Nozzle 7/32"	Nozzle 1/4"	Nozzle 9/32"	Nozzle 5/16"	Nozzle 11/32"	Nozzle 3/8"
Nozzle Radius Feet	Discharge G.P.M.	Nozzle Radius Feet	Discharge G.P.M.	Nozzle Radius Feet	Discharge G.P.M.	Nozzle Radius Feet	Discharge G.P.M.
25	43 5.0	41 6.9	43 9.0	50 11.2	52 13.8	53 16.5	54 19.0
30	45 5.6	43 7.6	45 9.9	52 12.5	57 15.2	57 18.0	58 21.0
35	47 6.0	43 8.2	47 10.7	55 13.6	59 16.5	59 19.7	60 22.8
40	48 6.5	44 8.8	48 11.5	57 14.5	61 17.7	61 21.1	62 24.4
45	49 6.9	45 9.4	50 12.2	59 15.5	63 18.9	63 22.5	65 26.0
50	50 7.3	45 9.9	51 12.9	60 16.3	65 20.3	65 23.6	67 27.5
55	51 7.6	46 10.4	52 13.6	62 17.2	67 21.0	67 25.0	70 29.1
60	52 8.0	46 10.9	53 14.2	65 18.0	67 22.0	67 26.2	73 30.6
65	52 8.3	47 11.4	54 14.9	67 18.8	69 23.0	70 27.4	74 32.0
70	53 8.7	48 11.8	55 15.4	70 19.6	71 23.9	72 28.5	75 33.2
75	53 9.0	48 12.2	56 16.0	71 20.3	73 24.8	74 29.6	76 34.5
80	54 9.3	49 12.6	57 16.5	72 20.9	75 25.7	76 30.6	77 35.7

DOTTED LINES in performance charts indicate recommended working pressures for best distribution. To establish new seedings, select pressure

from below dotted line. For best distribution, maximum recommended spacing on square or rectangular areas is 60 per cent of diameter of coverage.

IRVING-CLOUD CORPORATION
Division of L. R. Nelson Mfg. Co., Inc.
PEORIA, ILLINOIS

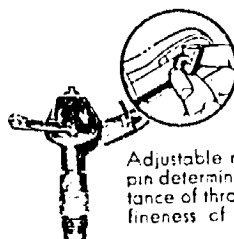
RAIN BIRD sprinklers...

best by any test... COMPARE!!!

Rain Bird sets the standard for sprinkler performance with a slow, uniform spray that eliminates water run-off even on turf areas where water intake is low. Water-impelled rotation, with fewer parts to wear out or cause trouble, makes sprinkling easier, more enjoyable. Your Rain Bird sprinkler is easy to adjust and may be moved while sprinkling without getting you wet.

MODEL 20 ADJ. and 20 DC PERFORMANCE

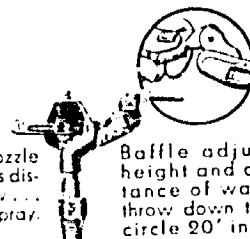
Nozzle Pressure P.S.I.	Nozzle 1/8"		Nozzle 9/64"		Nozzle 5/32"		Nozzle 11/64"		Nozzle 3/16"		Nozzle 7/32"	
	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.
20	72	1.97	73	2.53	73	3.04	71	3.72	74	4.33	76	5.80
25	75	2.21	76	2.83	76	3.43	77	4.17	77	4.83	79	6.54
30	76	2.44	77	3.10	78	3.78	79	4.57	79	5.38	80	7.20
35	77	2.66	78	3.36	79	4.10	80	4.95	81	5.84	82	7.79
40	78	2.86	79	3.61	80	4.40	81	5.32	82	6.27	83	8.35
45	79	3.04	80	3.82	81	4.68	82	5.65	83	6.66	84	8.88
50	80	3.22	81	4.03	82	4.95	83	5.95	84	7.03	85	9.38



Adjustable nozzle pin determines distance of throw... fineness of spray.

MODEL 20 ADJ.

1/2" male connection, wt. 1/2 lb.



Baffle adjusts height and distance of water throw down to a circle 20' in diameter.

MODEL 20 DC

MODEL 20A and 25A PERFORMANCE

Pressure Pounds	Nozzle 1/8"		Nozzle 9/64"		Nozzle 5/32"		Nozzle 11/64"		Nozzle 3/16"		Nozzle 7/32"	
	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.	Diameter Feet	Discharge G.P.M.
15	43	1.75	45	2.20	47	2.69	48	3.24	50	3.91	55	5.08
20	45	1.97	47	2.53	49	3.04	50	3.72	52	4.33	57	5.80
25	47	2.21	49	2.83	51	3.43	52	4.17	54	4.83	59	6.54
30	49	2.44	51	3.10	53	3.75	54	4.57	56	5.38	61	7.20
35	51	2.66	53	3.36	55	4.10	55	4.95	57	5.84	63	7.79
40	52	2.86	54	3.61	56	4.40	57	5.32	59	6.27	65	8.35
45	54	3.04	56	3.82	57	4.68	58	5.65	60	6.66	67	8.88
50	55	3.22	57	4.03	59	4.95	60	5.95	62	7.03	69	9.38

Sprinkles low angle under tree. Highest point of stream is 3' above nozzle.



Use Bronze Arm In Shaded Area.

For part circle, order Model 25A. For 4' stream height, order 20" nozzle, for 5' stream height, order 23" nozzle.

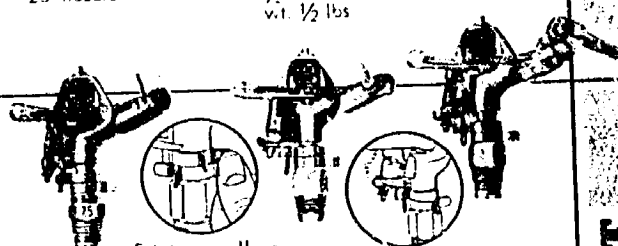
MODEL 20A (7" Nozzle)

1/2" male connection, wt. 1/2 lbs

MODEL 25, 25FP and 25 DO-ALL PERFORMANCE

Pressure	Nozzle 9/64"		Nozzle 7/32"		Nozzle 11/64"		Nozzle 3/16"		Nozzle 13/64"		Nozzle 7/32"	
	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.	Radius Discharge G.P.M.
20	37	2.53	36	3.04	36	3.72	37	4.33	37	5.13	38	5.90
25	37	2.83	38	3.43	38	4.17	38	4.83	38	5.75	39	6.54
30	38	3.10	39	3.78	39	4.57	39	5.38	39	6.30	40	7.20
35	38	3.36	39	4.10	39	4.95	40	5.84	40	6.83	41	7.79
40	39	3.61	40	4.40	40	5.32	41	6.27	41	7.31	41	8.35
45	39	3.82	40	4.68	40	5.65	41	6.66	41	7.76	42	8.88
50	40	4.03	41	4.95	41	5.95	42	7.03	42	8.16	42	9.38

DOTTED LINES in performance chart indicate recommended working pressures for best distribution. To establish new seedlings, select pressure from below dotted lines.



Friction collars may be adjusted to cover any part of a circle from 20° to 360°.

Trim lever may be flipped up for full circle coverage.

MODEL 25

Part Circle

Nozzle adjustable from 20° to 340° coverage.

MODEL 25FP

Full or Part Circle

Adjustable Nozzle

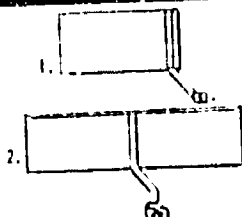
MODEL 25 DO-ALL

Full or Part Circle Baffle Nozzle

1/2" male connection, wt. 1/2 lb.

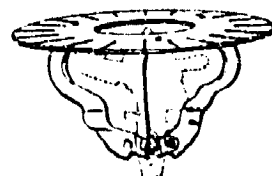
DEFLECTOR SHIELD

- Intercepts back spray from arm of part circle sprinkler when located near buildings or sidewalks. Wt. 1 lb.
- Double shield. Total length 24", 12" each direction. Wt. 1 1/2 lb. For riser pipe, specify 1/2" or 3/4" coupling size. For ring base, use 1 1/2" size.



MORNING GLORY

Use with Model 20 or 25 Series Rain Bird Sprinklers. Coverage can be adjusted to any shape lawn or area. You will be amazed at the versatile coverage pattern obtainable simply by lowering or angling the 20 adjustable vanes. Wt. 1 1/2 lb.



FULL CIRCLE

PART CIRCLE

Rath, Mark

From: Gronlund, Eric
Sent: Friday, July 14, 2023 8:28 AM
To: Quiett Brandon
Cc: Rath, Mark
Subject: Rapid City Questions concerning Water Right No. 611-2
Attachments: Excerpt19601018_min.pdf

Brandon,

In response to questions posed to Mark Rath in an email dated June 21, 2023.

Can Rapid City transfer Water Right No. 611-2 from irrigation to municipal use? Yes, SDCL 46-5-34.1 allows for this transfer of irrigation rights to domestic use or use within a water distribution system as defined in SDCL 46-1-6(17).

46-5-34.1. Transfer of irrigation rights apart from land--Restricted purposes--Protection of other users.

The provisions of §§ 46-5-33 and 46-5-34 notwithstanding, irrigation rights may be transferred apart from the land to which they are appurtenant if they are transferred for domestic use or use within a water distribution system. Such irrigation rights may be transferred or leased in whole or in part and may be acquired only through the exercise of powers possessed independently of this section. No transfer, however, may be approved by the Water Management Board unless the transfer can be made without detriment to existing rights having a priority date before July 1, 1978, or to individual domestic users. No land which has had an irrigation right transferred from it pursuant to this section, may qualify for another irrigation right from any water source.

46-1-6. Definition of terms.

Terms used in this title mean:

(17)"Water distribution system," a system of piping, valves, storage tanks, pumps, and appurtenances by which water is conveyed for domestic or municipal use by a common distribution system, including a municipality as defined in § 9-1-1, a nonprofit rural water supply company as defined in § 10-36A-1, a water user district as defined in § 46A-9-2, a sanitary district as defined in chapter 34A-5, or homes, including mobile homes as defined in § 32-3-1, and manufactured homes as defined in § 34-34A-1.1 supplied by a common distribution system;

However, any qualifications that are currently on Water Right No. 611-2 will remain on the water right if transfer to municipal use occurs. Also, since Water Right No. 611-2 is a 1956 priority right, the land authorized for irrigation under the that right cannot qualify for another irrigation right from any water source in the future if the water right is transferred to municipal use under SDCL 46-5-34.1.

Could the diversion points be changed to Jackson Springs and presumably the Arrowhead diversion point from Rapid Creek? State law allows for amendment to water rights to change diversion points if the water source remains the same. Previous water right transfers for parcels from Rapid Valley irrigation ditches have included Jackson Springs, Girl Scout gallery and Mt View Water Treatment plant as Rapid Creek surface water sources. Any future transfer will be treated the same.

Would there be any issue with irrigation being an allowed use under a municipal water rights? A municipality can use a municipal water right to water land within its boundaries – municipalities throughout the state commonly supply water used for irrigation purpose (lawns, parks, and likely in some instances – golf courses). Municipal use provides a fairly broad brush of what uses can be made with the water. However, the definition excludes the irrigation of crops on a commercial scale. See SDCL 46-1-6(14)

46-1-6. Definition of terms.

Terms used in this title mean:

(14) "Municipal use," the use of water by the state through its institutions, facilities, and properties or by a municipality, and, with regard to municipal rights having a priority before July 1, 1978, by the inhabitants of the municipality, for household, custodial care, and fire protection purposes, whether supplied by the government or by a privately owned public utility or other agency, primarily to promote the life, safety, health, comfort, and business pursuits of the state, municipality and the inhabitants of the municipality. The term does not include the irrigation of crops on a commercial scale, even within the limits of the state institution, facility, property, or municipality, nor does it include large recreational uses such as lakes;

Arrowhead is suggesting No. 611-2 is resale of stored Pactola water and want reduced rates based on the Bureau contract. Water Right No. 611-2 is a junior right to natural flows of Rapid City. The link to administrative record is at: https://danr.sd.gov/wrimage/wrinfo/wr_div2/611-2.pdf. Page 4 of the pdf for 611-2 has remarks by the Water Rights Commission which states:

"The priority of this Permit is established under future use withdrawal 439-2. Replacement of withdrawals under this permit will be made from Pactola and Deerfield reservoirs under the Rapid City contract with the U.S. government."

DANR views this language as a qualification to Water Right No. 611-2 that will remain if a transfer from irrigation to municipal use is approved.

Further the excerpts of the Board meeting when No. 611-2 was heard are attached. The minutes include "The City will replace the amount diverted from storage in Deerfield or Pactola Reservoirs"

The interpretation of the contractual water requirements for Deerfield and Pactola reservoirs between the city and the US Bureau of Reclamation are beyond the legal authority of the Chief Engineer and the Water Rights Program. DANR encourages the city to seek legal counsel guidance in this matter in light of the qualification on No. 611-2. Also, the city has to understand that proceeding with the transfer will likely limit Arrowhead's future ability to secure a water permit on the land from any source for irrigation.

Eric Gronlund, Chief Engineer
Water Rights Program, DANR
605 773-3352

From: Quiett Brandon <Brandon.Quiett@rcgov.org>
Sent: Wednesday, June 21, 2023 9:46 AM
To: Rath, Mark <Mark.Rath@state.sd.us>
Subject: [EXT] Water Right Question

Mark,

Would it be possible for the City of Rapid City to transfer water right 611-2 to municipal use with diversion points at Jackson Springs and Arrowhead Golf Course? Would there be any issue with irrigation being an allowed use?

Background: As you know Arrowhead has been suggesting that this water right is a resale of stored Pactola water, and they want reduced rates per the Bureau contract. We disagree for several reasons, but primarily because the stored water "replaces" the water withdrawn under 611-2 during irrigation season. It is not the stored water itself. We may want to eliminate the argument all together. We would still intend to sell Arrowhead raw water per the rates in our ordinance.

Brandon Quiett
Operations Engineer Manager
City of Rapid City

EXCEPT FROM 10-18-1960
MINUTES at WATER RESOURCES
COMMISSION MEETING

2:00 PM October 19, 1960

Formal Action on Hearings for New Water Right Permits

City of Rapid City, 611-2

Application is for 2.38 cfs of water from Rapid Creek through the Arrowhead Sprinkler Pump House No. 1. for municipal use to irrigate club greens. This provides another diversion point for the City's water system. The City will replace the amount diverted from their storage in Deerfield or Pactola reservoirs. Proof of publication received.

Mr. Ray J. Aldrich of Rapid City was present for this hearing.

Mr. Cronin moved, seconded by Mr. Brady that this application be approved. Motion unanimously carried.

William T. Leger, Harding, S. D., 503-1

Application is for 3.0 cfs of water from dry draws (Ash Coulee and Thomas Creek) to irrigate 210 acres. Proof of publication not received.

Kenneth Dunn, Harding, S. D., 504-1

Application is for 8.7 cfs of water from Ash Coulee, Wards Gulch, Adams Gulch and dry draws, to irrigate 609 acres. Proof of publication not received.

Mr. Alfred Burke, William Burke and Harry Devereaux were present in objection to these applications.

The objections registered were that a large dam had been rebuilt without a water permit, that the said dam interfered with the Ash Coulee Creek and that the objectors had a prior water right on Ash Coulee. They explained that the dam had been out for some 20 to 25 years and that Mr. Leger (503-1) had rebuilt it in the last few years. There was no special objection to Mr. Dunn's application 504-1 if he proposed to use a spreader system without storage.

Mr. Cronin moved, seconded by Mr. Russell that permits 503-1 and 504-1 be deferred for investigation. Motion carried.

John C. Dusing, Fruitdale, 502-1

Application is for .40 cfs of water from groundwater to irrigate 259 acres. Proof of publication received.