

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 94-7009 Priority Oct. 23, 1969 Amount 6.0 cfs

THIS IS TO CERTIFY, that CITIZENS UTILITIES COMPANY
of Wallace, Idaho, has complied with the terms and conditions of Permit
No. 94-7009 issued pursuant to Application for Permit dated October 23, 1969,
and has submitted proof to the Department of Water Resources on December 26, 1974,
that he has applied water to a beneficial use; an examination by the Department indicates that the works have a
capacity for the diversion of 6.0 cfs of water from Experimental Draw,
tributary to Placer Creek, and that the permit holder has applied to a beneficial use and
established a right to use water as follows:

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
<u>Municipal</u>	from <u>Jan 1</u> to <u>Dec. 31</u>	at <u>6.0</u> cfs and <u>n/a</u>	
	from _____ to _____	at _____ cfs and _____	
	from _____ to _____	at _____ cfs and _____	

(both dates inclusive)

Subject, however, to the condition that no more than 6.0 cfs of water be diverted at any one time, and
that the amount of water so diverted and to which such right is entitled and confirmed is for the purpose
aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed
n/a acre feet per year, said waters to be diverted within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 3,
Twp. 47 N, Rge. 4 E, B. M. in the County of Shoshone

Description and location of place of use: City of Wallace, Idaho & Vicinity

Twp.	Range	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				Totals
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	

Total number of acres irrigated _____

A measuring device of a type approved by this Department shall be permanently
maintained as part of the diverting works.

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho
Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

The right to the use of the water hereby confirmed is restricted and appurtenant to the lands or place of use
herein described, as provided by the laws of Idaho.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 21 day of
October, 19 75.

Director

Identification No. 94-7009

Application No. _____

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

APPLICATION FOR PERMIT

LICENSE ISSUED FOR 6.0 CFS
LICENSE PAGE NO. _____

To appropriate the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

APPROVED

1. Name of applicant Citizens Utilities Company
post office address 612 Cedar Street Wallace, Idaho 83873
2. Source of water supply Experimental Draw which is a tributary of Placer Creek
3. a. Location of point of diversion is SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 3 Township 47N
Range 4 E B.M. Shoshone County; additional points of diversion if any: _____
- b. If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$
of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
Amount 6.0 cfs for Domestic use purpose from January 1 to December 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
a. 6.0 cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. 18" concrete perforated infiltration system and a 12" x 6,600' water main which will transport the water to an existing 750,000 gallon steel tank.
- b. Height of storage dam _____ feet, active reservoir capacity _____ acre feet; total reservoir capacity _____ acre feet, materials used in storage dam: _____
Period of year during which storage will occur _____ to _____ inclusive.
(Mo. Day) (Mo. Day)
- c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 ^{years} ~~years~~ months.
b. Estimated construction cost is \$ 36,000.
8. Description of proposed uses:
a. If water is **not** for irrigation:
(1) Give the place of use of water: SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 26 Township 48N
Range 4 E B.M.
(2) Amount of power to be generated: _____ hp under _____ feet of head.
(3) List number of each kind of livestock to be watered _____
(4) Name of municipality to be served Wallace, or number of families to be supplied with domestic water 905.
(5) If water is to be used for other purposes describe: Domestic water supply for the City of Wallace and territory adjacent thereto.

94-7009

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP.	RANGE	SEC.	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

Total number of acres to be irrigated_____

c. Describe any other water rights used for the same purposes State of Idaho, License and Certificate of Water Right # 18681 recorded in Volume 9 of Licenses at page 4025.

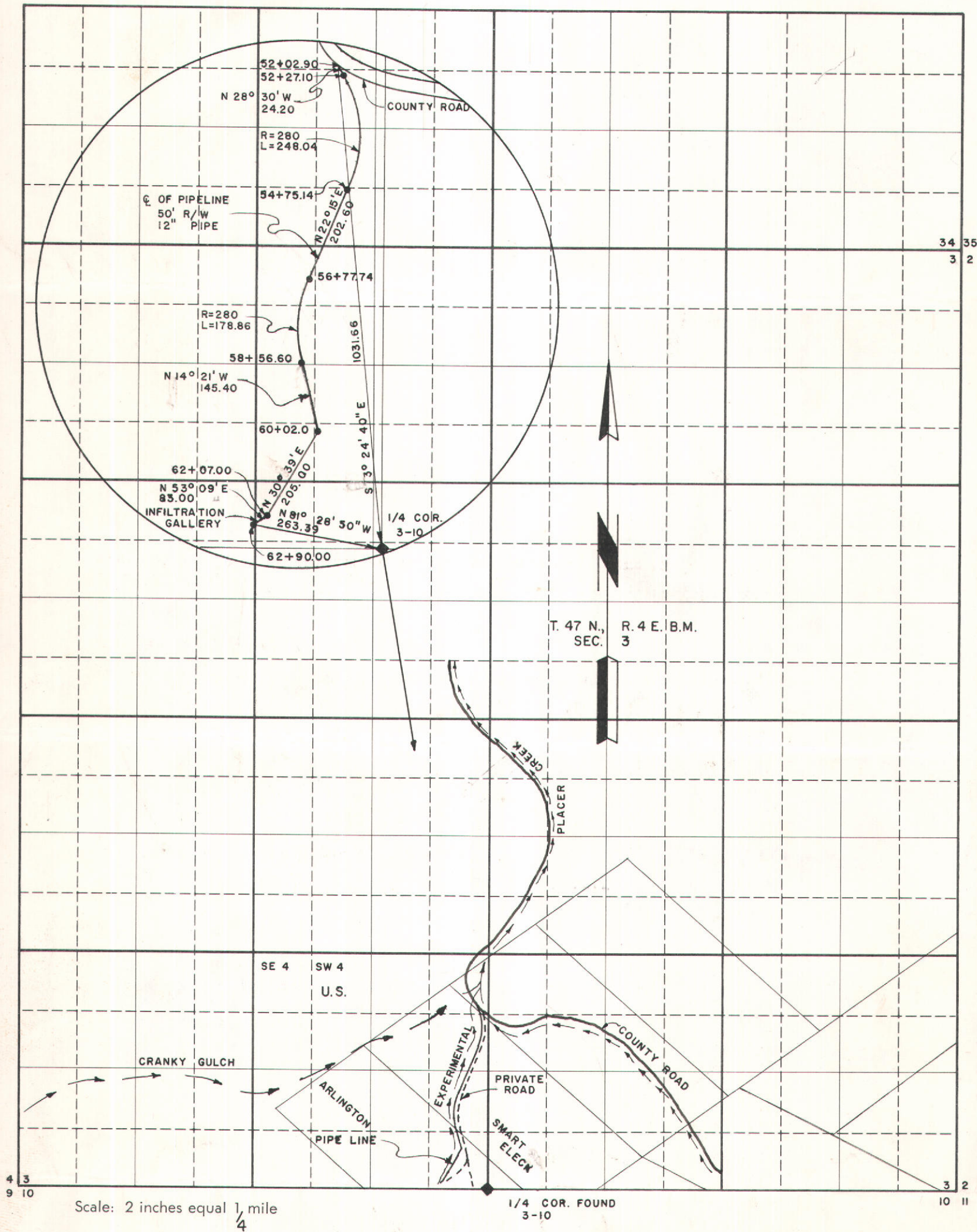
9. a. Who owns the property at the point of diversion United States Department of Interior

b. Who owns the land to be irrigated or place of use -

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing Right-of-way application filed with the Idaho land office manager of the United States Department of Interior - Bureau of Land Management 550 West Fort Street; Boise, Idaho.

10. Remarks The bottom stream flow will be diverted through a sand and gravel filtration system which will be installed in the stream bed. There will be no dam or reservoir area. The natural stream bed and the direction of natural stream flow will remain basically undisturbed.

11. Map of proposed project:



BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Volker Jacobson
Vice-President

CITIZENS UTILITIES COMPANY
(Applicant)
BY: *[Signature]*
District Manager

94-7009

Received by ef Date 9-29-69 Time 8:00 am
Preliminary check by JR Fee \$ 45.00 117
Receipted by y Date 10-27-69
Publication prepared by W Date 10-29-69
Published in North Idaho Press
Publication dates 11-6 and 13-69
Publication approved W Date 11-20-69
Priority reduced to _____ Reason _____

Protests filed by: _____

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by DA

ACTION OF STATE RECLAMATION ENGINEER

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 94-7009, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 19 75.
- c. Other: The applicant shall permanently install and maintain a measuring device of a type approved by the department as part of the diverting works. This permit is supplemental to all prior rights.

2. Denial of said application is for the following reasons: _____

Witness my hand this 12th day of January, 19 70.

P. Keith Higgins
State Reclamation Engineer

RECEIVED

Department of Water Resources
Northern District Office

Person to contact _____ Phone _____

Other uses: _____

Permit No. 94-7009

Examination for b/u

Max Rate of Diversion 6.0 cubic feet per second and annual volume _____ AF/Annum.

Township 47N N/S, Range 4E E/W, B.M., Section 3, Subdivision SE $\frac{1}{4}$ SW $\frac{1}{4}$, Shoshone
County

Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____
County

Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____
County

Other Points of Diversions: _____

Description of diverting works: 18" perforated concrete infiltration system & a 12" x 6,600' steel water main which transports water to a 750,000 gal. steel tank.

Measuring device required: yes ☒ no ☐

6. Lands to be irrigated or place of use.

[illegible]**TOTAL ACREAGE**

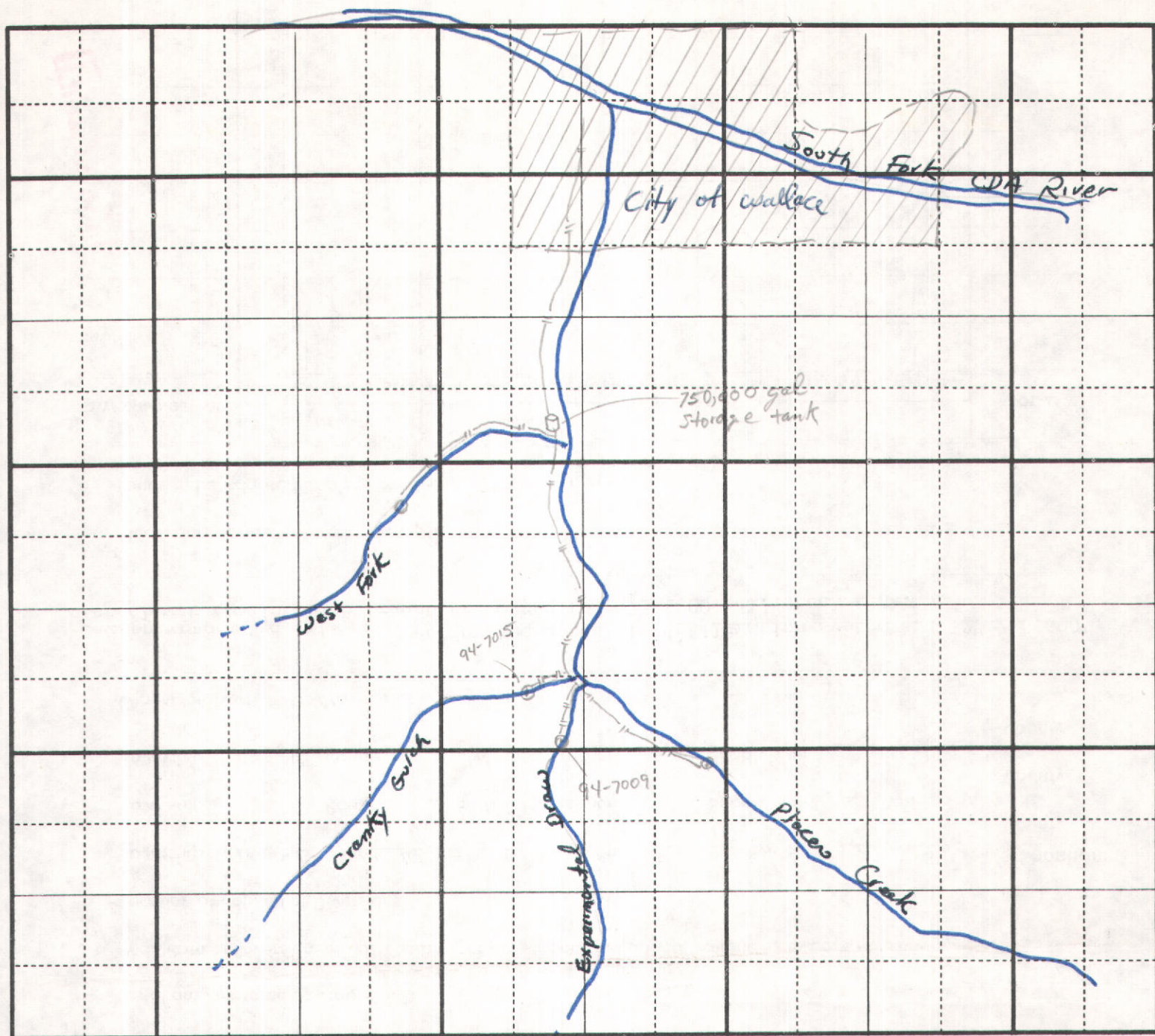
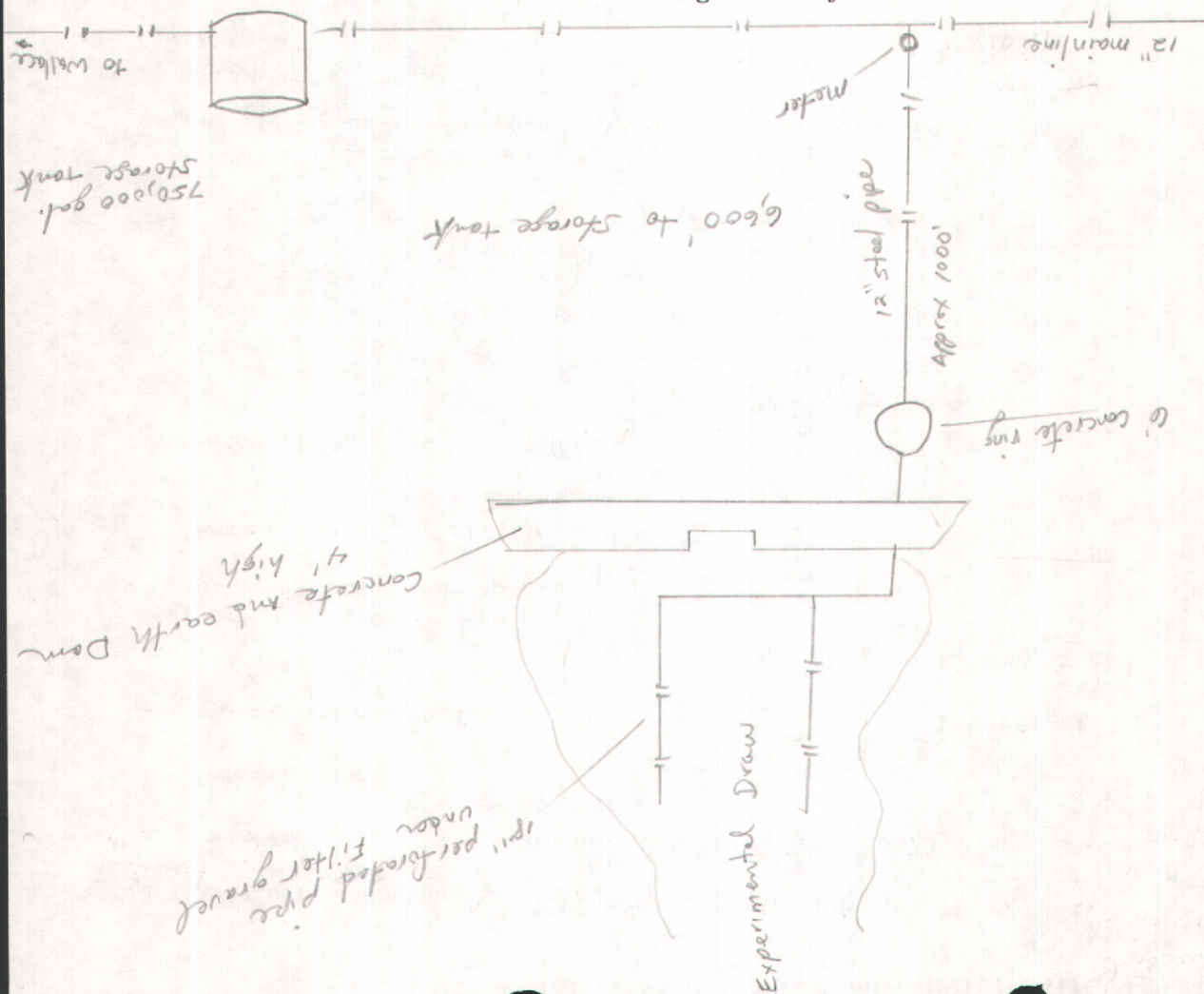


Diagram of System



Permit No 94-7009

Determine to capacity of the Citizens Utilities Company's pipeline from Experimental Draw.

Given:

12" diameter steel pipe 1000' long
head of 90'

Solution

Using Manning's formula

$$Q = \frac{0.463}{n} d^{8/3} s^{1/2}$$

where

n = roughness coefficient = 0.010 assumed

d = diameter of pipe in ~~meters~~ feet

s = slope of the pipe.

$$Q = \frac{0.463}{0.010} 1^{8/3} \left(\frac{90}{1000}\right)^{1/2}$$

$$Q = 13.89 \text{ cfs}$$

DATE OF EXAM 9/22/75

ACREAGE

Found 0
Recommended 0

Irrigation Requirement _____ Ac Ft/Ac

USE

Irrigation Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Domestic Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Livestock Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Municipal Q= 5.1 cfs from 1/1 to 12/31

Is water co-mingled? yes _____ no ☒

Name source: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Exchange? yes _____ no ☒

Name source exchanged with: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Point of injection: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Point of exchange: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Total Q measured 5.1 cfs Method of measurement estimated by Secbey Formula

Total Q recommended 5.1 cfs Meter No. No # Type Badger 12" Condition good

Total V recommended municipal purposes

Recommended Amendments:

P.D. _____
Place of Use _____
Other _____
None ☒

MEASUREMENT CALCULATION:

SYSTEM DESCRIPTION:

Water from Experimental Gulch is impounded by a 4' concrete-earth dam. (2) 18" perforated pipes lie under a gravel filter and collect the water which is conveyed to a 6' concrete tile. From the tile, a 12" steel pipe transfers the water down hill approx. 1000' to the main line. The 12" mainline then goes approx. 1 mile to a 750,000 gal. storage tank. Wallace water supply consists of water from Experimental Draw, Chanky Gulch, West Fork of Placer Cr. and Placer Cr.

REMARKS:
The Q diverted from Experimental Gulch varies depending on need and availability of water. At time of exam very little water was being used, therefore the Secbey Formula was used to determine the maximum capacity of a 12" steel pipe 1000' long with 90' of head. (See above)

Examiner's Signature Paul E. Carls Jr. Date 9/22/75

Checked by Robert Date 9/22/75

Approved by _____ Date _____

Identification No. _____

Permit No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

RECEIVED
DEC 20-1974
Department of Water Resources

1. a) Name of Permit Holder Citizens Utilities Company
b) Post Office Address 612 Cedar St., Wallace, Idaho 83873
2. Permit Number 94-7009
3. Date of Priority that you are prepared to establish September 29, 1969
4. a) Source from which water was appropriated Experimental Draw
b) Location of the point of diversion: S.E. ¼ of S.W. ¼, Section 3
Township 47N, Range 4E, Boise Meridian, Other points of diversion: None

5. a) The amount of water and use to which the water has been applied:
Amount 6.0 cfs for Domestic use purposes from January 1 to December 31 incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
b) Total amount appropriated 6.0 cfs and/or acre-feet per annum
c) Describe how and by whom measurement of rate of flow or amount of storage was made and the qualifications of the person making the measurement: Larry D. Biggs P.E., Bovay Engineers, Spokane, Wa.

6. If the means of diversion and conveyance are owned by someone other than the Permit Holder:
a) Give the name or description of the canal, ditch or other works by which the water is conducted to the place of use:

b) Describe the agreement or understanding by which you take water from the works: _____

7. a) Briefly describe the works for diverting and conveying the water to the place of use, (if from a subterranean source, give the pump size, motor size, size of well casing, depth of well; if from surface water, give brief description of diversion structure and/or canal or ditch) 18 inch perforated concrete infiltration system and a 12 inch x 6,600 foot steel water main which transports water to a 750,000 gallon steel tank.

b) Describe the type and size of measuring device which you have installed at your point of diversion: 12 inch Badger Model MDIM totalizing meter.

c) Give well driller's name and address and the date the well was completed: _____

8. If for other than irrigation, describe the beneficial use to which you have applied the water and the place of use: Domestic water supply for City of Wallace and adjacent territory.

MICROFILMED

Exam typed 1/2/25 by jg

NOTICE OF APPLICATION FOR WATER

Notice is hereby given that the Citizens Utilities Company, 612 Cedar St.,

Wallace, Idaho, has on September 29, 1969,

applied for permit under application No. 94-7009

to divert ~~/store~~ 6.0 cubic feet per second ////// feet

of water from Experimental Draw ~~■~~ tributary of Placer Creek

Water will be diverted by infiltration system and water main

within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 3, T. 47N, R. 4E, B.M., Shoshone County

and is to be used from January 1 to December 31 for multiple domestic
purposes

in the City of Wallace and territory adjacent (Sec. 26, T. 4~~8~~N, R. 4E,
B.M.)

Any protest against this application must be filed with the Department
of Reclamation within ten days from the last date of this notice.

R. KEITH HIGGINSON
State Reclamation Engineer

Published in the North Idaho Press, Wallace, Idaho,
on November 6 and November 13, 1969

KH.

94-7009