

Singer Ranch 95-07883

RECEIVED

NOV 26 1993

Department of Water Resources

TRENCH DETAIL

NO SCALE

COMPACTED
WDS. SELECT
CL. MATERIAL
LAYERED
AS SHOWN

3'4" MAX
(SEE NOTE)

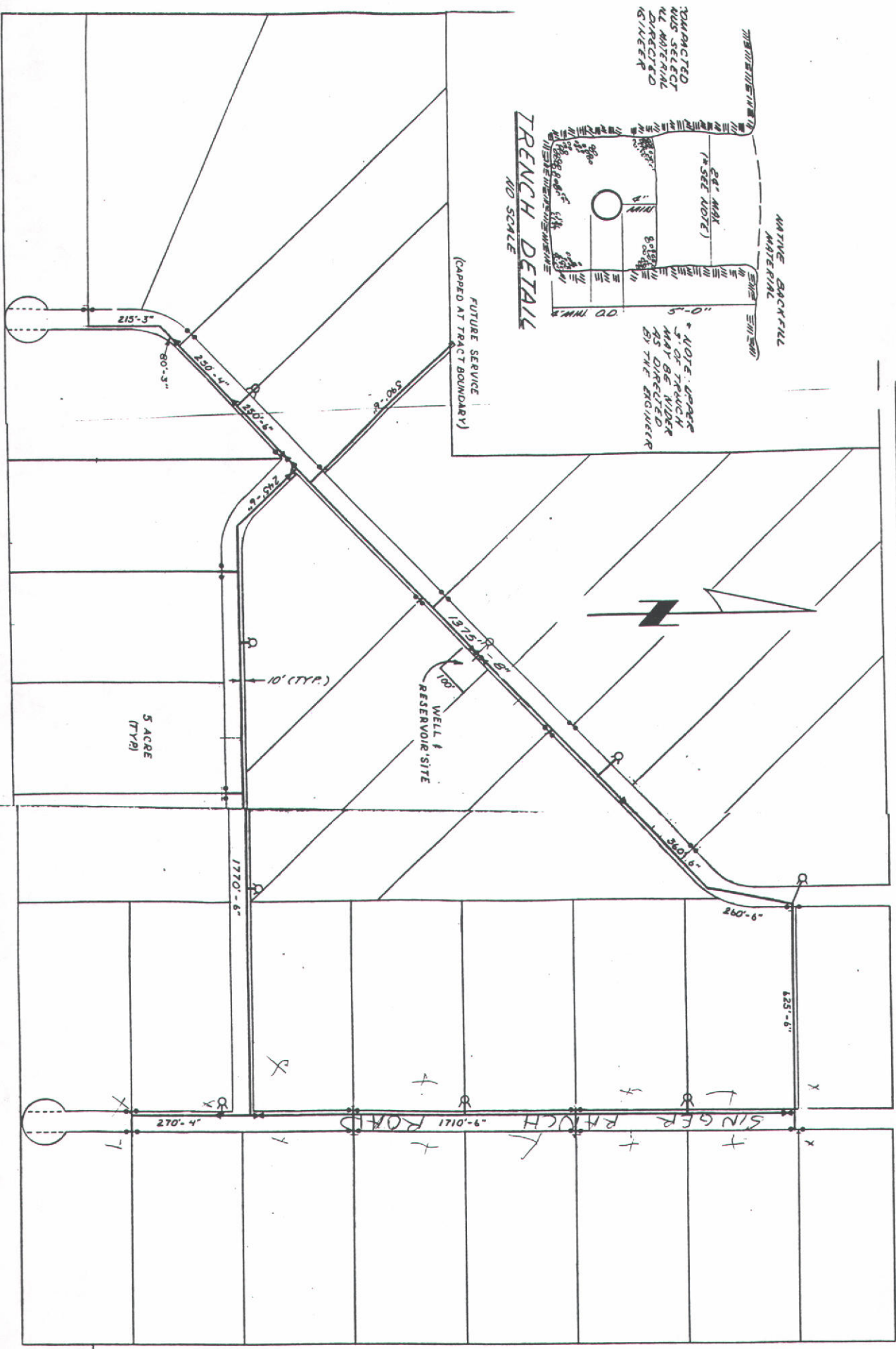
NATIVE BACKFILL
MATERIAL

* NOTE: DEPTH
OF TRENCH
MAY BE WIDER
AS DIRECTED
BY THE ENGINEER

FUTURE SERVICE
(CAPPED AT TRACT BOUNDARY)

WELL &
RESERVOIR SITE

5 ACRE
(TYP)



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

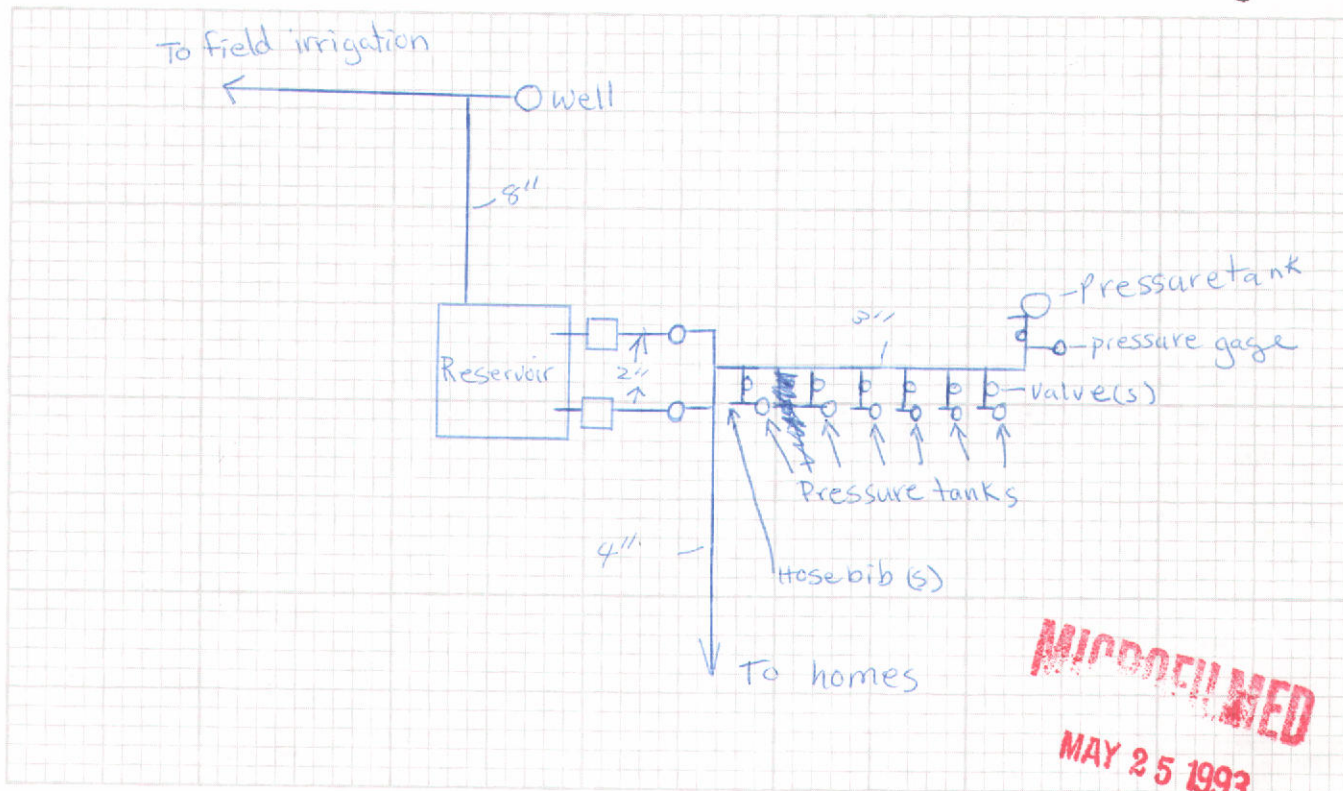
1. Owner: Singer Ranch Water Association Permit No. 95-07883
 Current Address: c/o Herb Singer 948 Alabama St., Rathdrum ID 83858 Phone No. 208 687-0966
 2. Accompanied by: SAME EXAM. DATE: 9/12/91
 Address: _____ Phone No. _____
 Relationship to Permit Holder: _____
 3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ Copies Attached
 2. Other water rights with same point of diversion: 95-2150 ☒ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached ☒ Supplemental diagrams Attached



Scale: 1" = NTS

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).
☐ Aerial Photo Attached - individual systems (required for irrigation of 10 acres or more). @ 45 acres

SUPPLEMENTAL DIAGRAM #95-07883

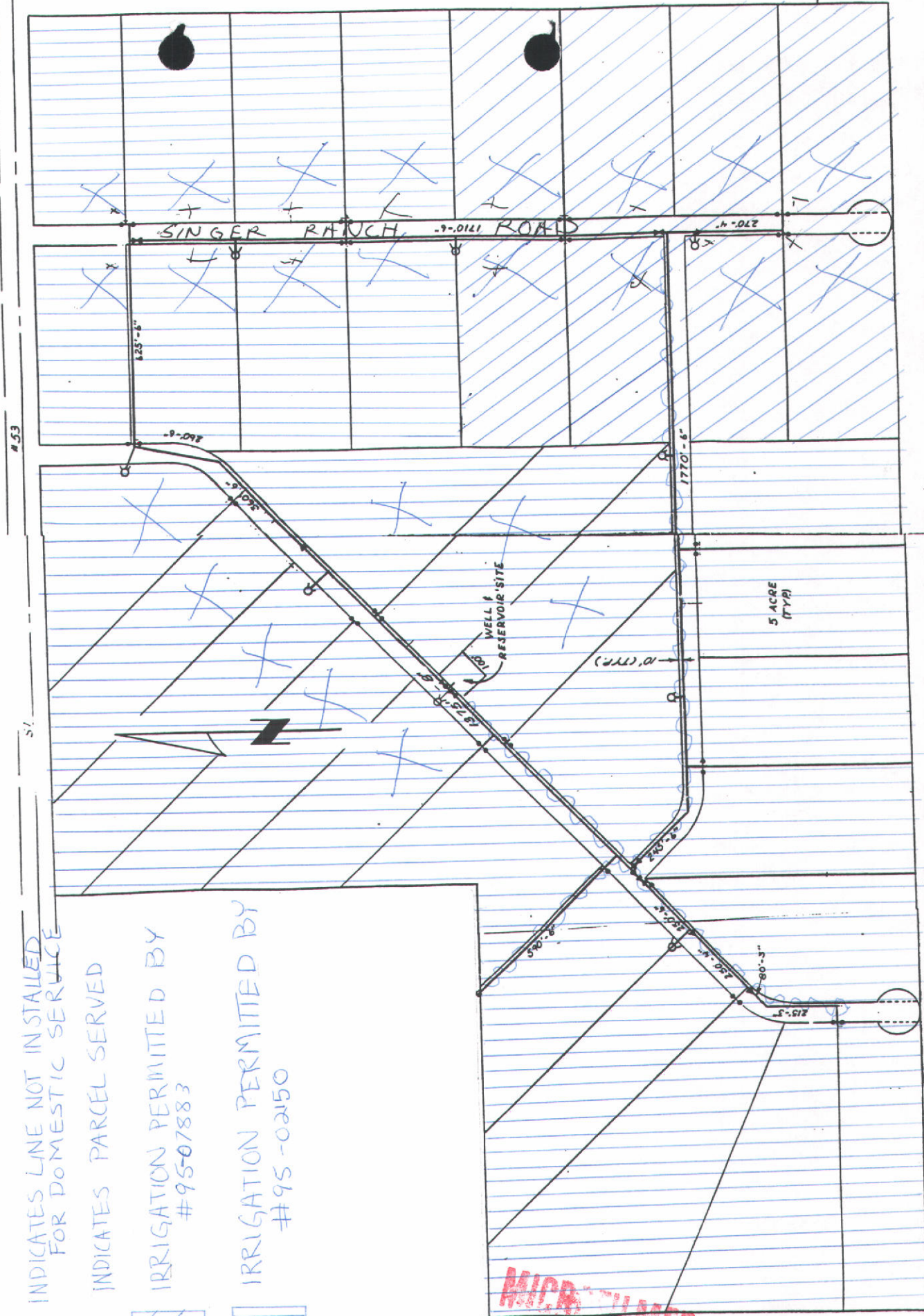
LEGEND

INDICATES LINE NOT INSTALLED FOR DOMESTIC SERVICE

X INDICATES PARCEL SERVED

IRRIATION PERMITTED BY #95-07883

IRRIATION PERMITTED BY #95-02150



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
FIELD REPORT SUPPLEMENT

PERMIT # 95-7883

Singa Ranch

PHOTOGRAPHS



Pump # "T" to Reservoir

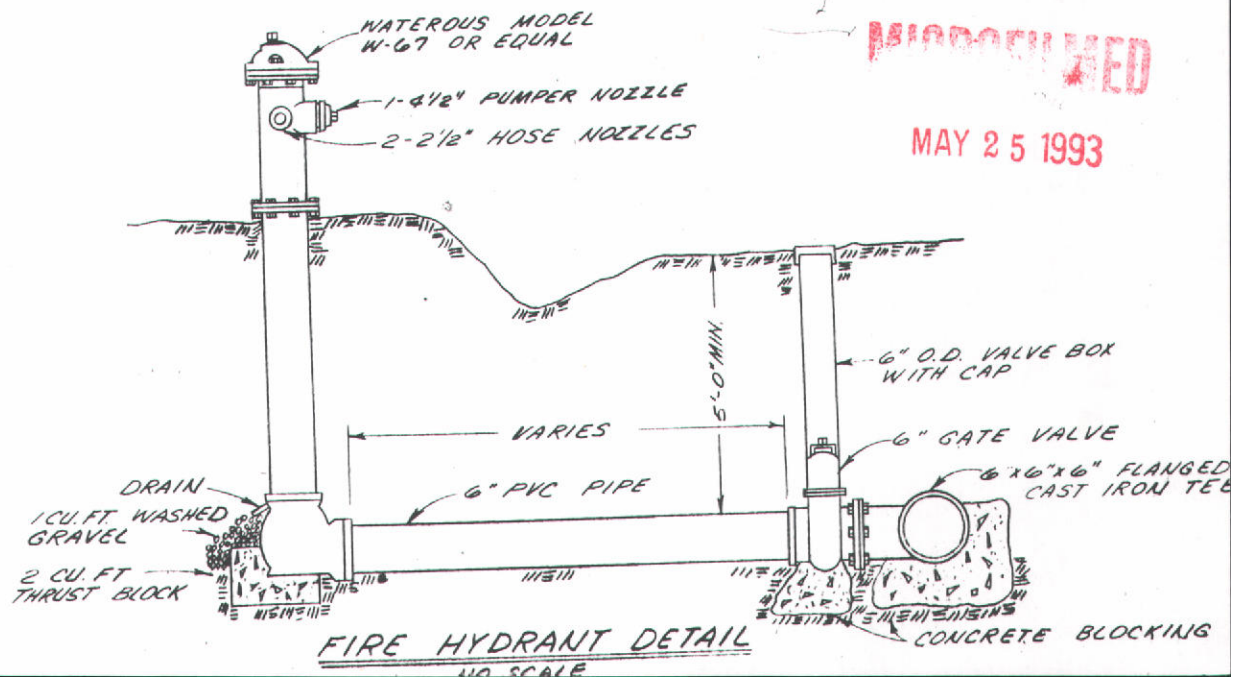
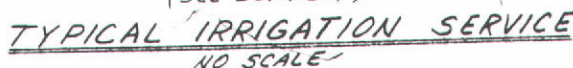
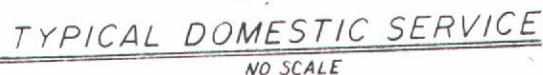


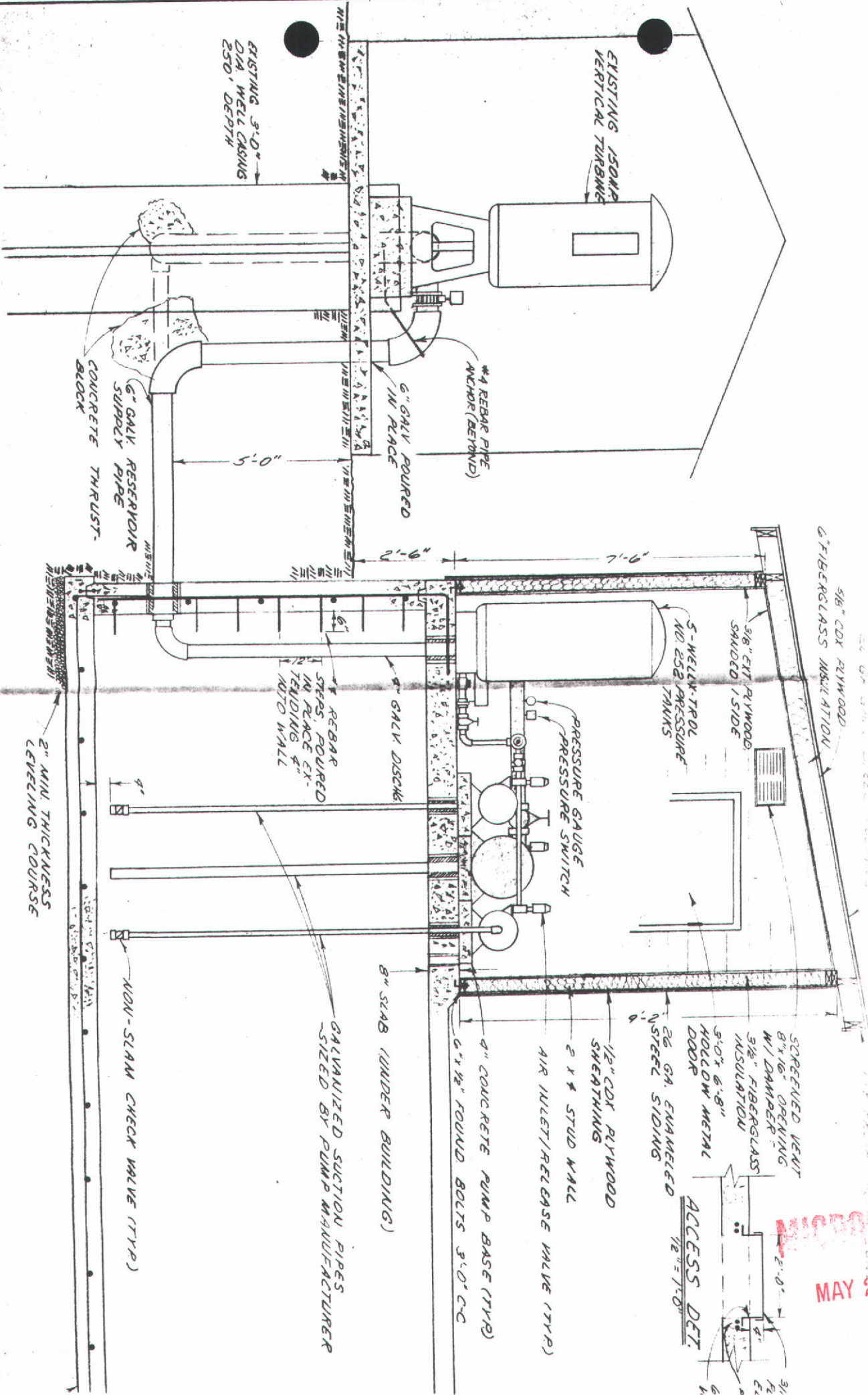
Pressure tanks



Pumps for Subdivision
& Subdivision Main Line

UNRECORDED
MAY 25 1993

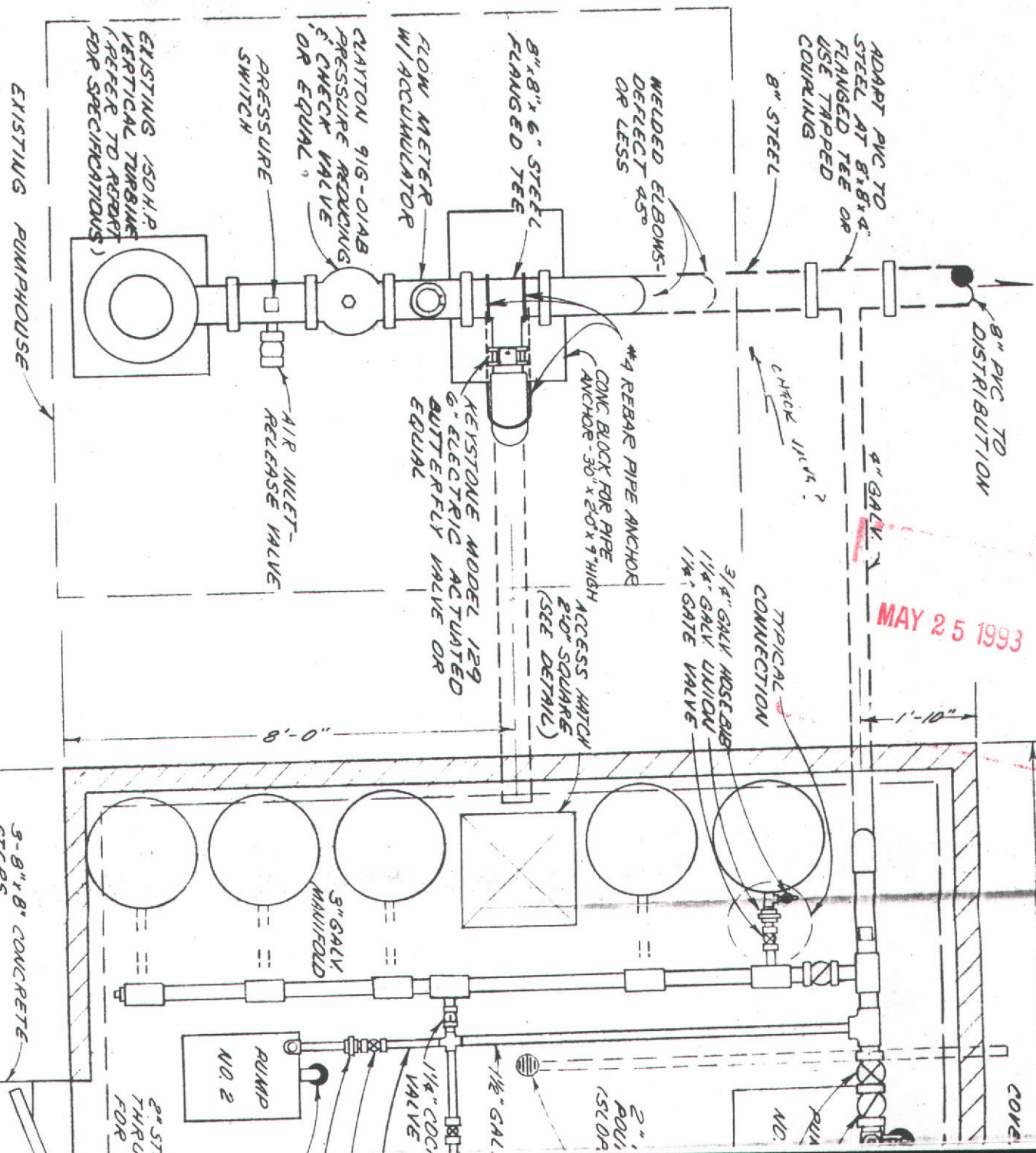




RECEIVED
MAY 25 1993

SIDE

MAY 25 1993



24" GALV STEEL ROD

RECEIVED
AUG 5 1964

**WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO**

Department of Reclamation

Permit No. G-31323 Well No. 1 County Kootenai
Owner Oscar Singer and Lorenze Singer
Address Bethrum, Idaho
Driller E. J. Waller
Address Post Falls, Idaho
Well location 1/4 Sec 32 T. 52 N. 4 W. 1/4
Size of drilled hole 30"

Locate well in section

NW 1/4	NE 1/4
SW 1/4	SE 1/4

Total depth of well 234
Give depth to standing water from the ground 214 Water temp. 52 °Fahr.

On "Pumping Test" delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____

(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation

Weight of casing per lineal foot _____

Thickness of casing 1/4" Casing material steel

(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing _____

234 ft. 1/4 x 30"
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER;
CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Foot	To Foot	Length	Remarks—seals, grouting, etc.
30"	0	234	234	

MICROFILMED

JAN 10 1989

Number and size of perforations 800 1/2" x 1/4" slots located 204 feet to 234 feet from ground

Date of commencement of well Feb. 6, 1964 Date of completion of well June 26, 1964

E2NW NE 5. 32 S 1 N 4 W

[illegible]

This well was drilled under my supervision and the above information is complete, true and correct to the best of my knowledge and belief.

Signed E. J. Wall
By _____

Dated Aug. 3, 1944

License No. 428

MICROFILMED
JAN 10 1989

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 95-07883

Priority: December 14, 1978 Maximum Diversion Rate: 1.00 CFS
Maximum Diversion Volume: 131.4 AF

This is to certify, that SINGER RANCH WATER ASSN

C/O HERB SINGER

948 ALABAMA ST

RATHDRUM ID 83858

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated December 14, 1978; and has submitted Proof of Beneficial Use on November 15, 1988. An examination indicates that the works have a diversion capacity of 2.530 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	05/01 to 11/01	0.78 CFS	117.0 AF
DOMESTIC	01/01 to 12/31	0.22 CFS	14.4 AF
	Totals	1.00 CFS	131.4 AF

LOCATION OF POINT(S) OF DIVERSION:

SWNE , Sec. 32, Township 52N, Range 04W
KOOTENAI County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
52N	04W	32	SENE	39		39

Total number of acres irrigated: 39

PLACE OF USE: DOMESTIC

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>
52N	04W	32	NENE	NWNE	SWNE
			SENE		

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right limited to the amount that can actually be beneficially use used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.

RECORDED

MAY 25 1993

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

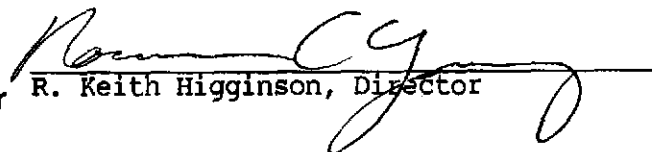
WATER RIGHT NO. 95-07883

CONDITIONS/REMARKS:

4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.0 afa per acre for the lands above.
6. Domestic use is for 24 homes.
7. The total combined rate of diversion under this right and 95-02150 shall not exceed 2.53 cfs.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 18th day of DECEMBER, 1992.

Acting for


R. Keith Higginson, Director

MAY 25 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

For Office Use Only
Fee Received 15.00
Date 12-5-83
Receipt # 33625

REQUEST FOR EXTENSION OF TIME

To provide additional time in which to submit
proof of beneficial use on a water right permit

RECEIVED
DEC 5 1983

Department of Water Resources

Herb Singer For
Singer Ranch Water 255. of 40 Herb Singer - RT. 3 - Box 341
(Name) (Address)
Rathdrum, Idaho
83858
State of Idaho, deposes and says:

That he is the holder, or the duly authorized agent of the holder*, of Permit to Appropriate the Public Water of
the State of Idaho No. 95-7883.

That under the terms and conditions of said permit, work thereunder was required to be completed on or before
Jan. 1, 19 84.

That he has heretofore performed the following work described under said permit: Water is
(This must be filled out! If no work has been completed put none.)
used to irrigate 240 acres & is
being installed for domestic water
to numerous 5 acre parcels now
uncompleted - (well drilled & system installed) Costing \$ 50,000 -

That he is unable to complete the remainder of the work within the required time for the following reasons, to-wit:
Finances + approval of Public
authorities of subdivision

Wherefore, he asks that the Department of Water Resources extend the time for the completion of obligations
under said permit to Jan. 1, 19 89.
(1 yr. minimum, 5 yrs. maximum)

NOTE
AS OF JULY 1, 1980,
THERE IS A \$15.00
CHARGE FOR REQUESTS
FOR EXTENSION OF
TIME.

Herb Singer, Pres.
(Signature)*

*IF OTHER THAN HOLDER, Power of Attorney must be supplied.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above application for extension of time be APPROVED and the time within
which to submit the statement of beneficial use is extended to January 1, 1989.

Signed this 13th day of December, 19 83.

L. Glen Saxton
Chief, Operations Bureau

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Singer Ranch Water Association Phone 687-0966

Post office address c/o Herb Singer, Rt 3, Box 341, Rathdrum, Idaho 83858

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 32 Township 52N

Range 4W B.M. Kootenai County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 1.00 for Domestic purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 1.00 for Irrigation purposes from 5/1 to 11/1 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 2.0 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well and Pump

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is 30 inches; proposed depth of well is 240 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation: NE $\frac{1}{4}$
(1) Give the place of use of water: E $\frac{1}{2}$ ~~XX~~ of NW $\frac{1}{4}$ of Section 32 Township 52N

Range 4W B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

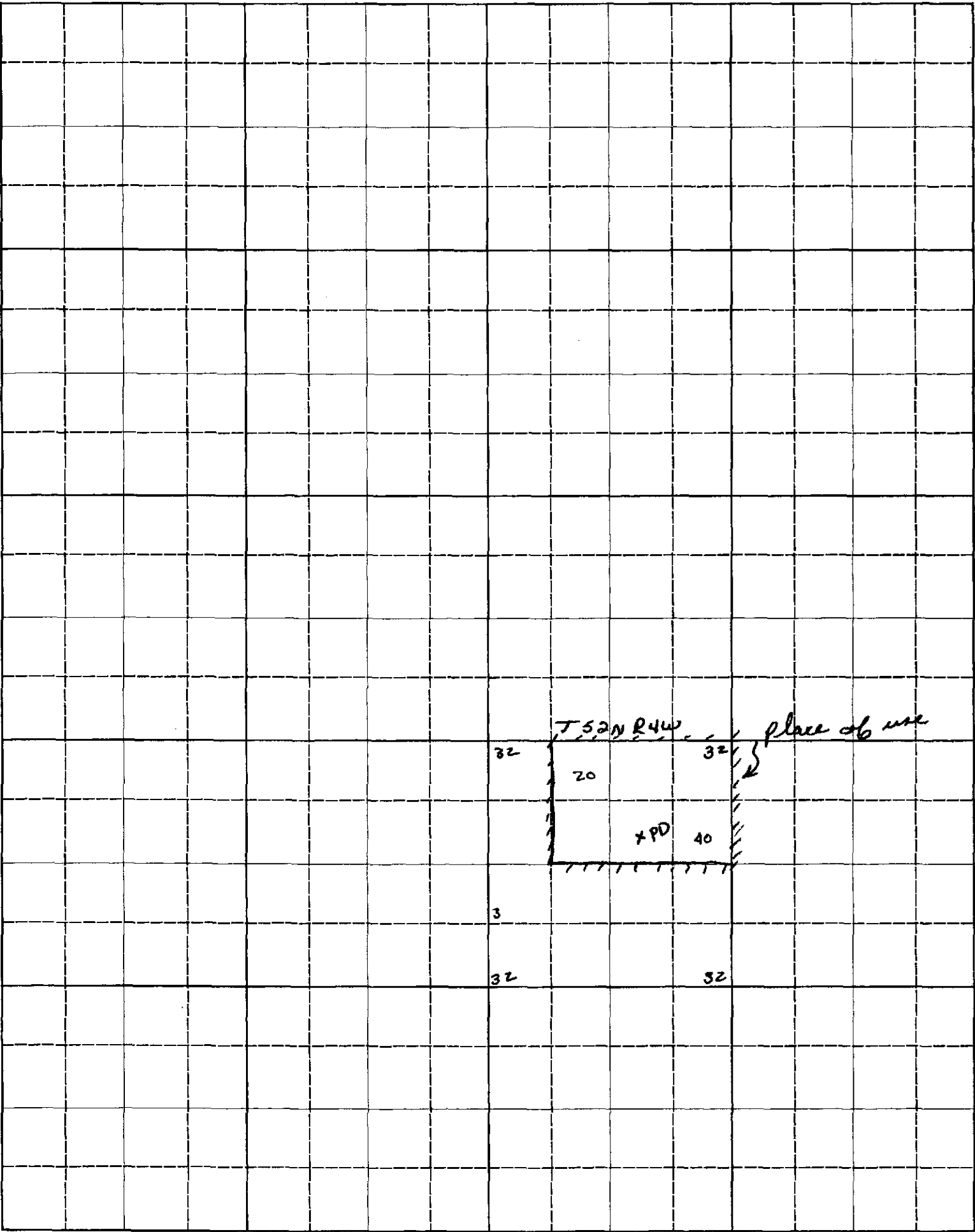
(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water 24.

(5) If water is to be used for other purposes describe: _____

RECORDED

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

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.

Herb Singer
(Applicant)
Member of board

Proposed Priority 12-14-78

Received by Ryff Date 12-14-78 Time Noon

Preliminary check by _____ Fee \$ 45.00

Received by Ryff Date 12-14-78 # 12174

Publication prepared by me Date 12/20/78

Published in IDA Press

Publication dates 12/28/78 1/4/79

Publication approved _____ Date _____

Protests filed by: _____

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by Ryff J.S.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State

of Idaho No. 95-7883, 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 be-

fore January 1, 19 84.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. Other: An access port or other device as specified by the Department shall be

installed by the permit holder to provide for the installation of measuring

equipment and the determination of the rate of diversion by the Department.

Witness my hand this 31st day of January, 1979.

A. Allen Saylor
Chief, Operations Bureau

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO,
County of Kootenai,

ss.

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho.

95-7883

SINGER RANCH WATER ASSOCIATION

c/o Herb Singer, Rt. 3, Box 341,
Rathdrum, ID 83858

Source: Groundwater

Date Filed: 12/14/1978

Amount: 2.00 CFS
Diversion Point: SWNE Sec 32 T
32N R 04W, Kootenai Co.
Use: Domestic (1.00 CFS) from
01/01 to 12/31; Irrigation (1.00
CFS) from 06/1 to 11/01
Place of Use: NENE NWNE
SWNE SENE NENW SENW Sec
32 T 52N R 04W SENE NENW Sec
32 T 52N R 04W for 60 acres.
Diversion Means: Well and pump

If issued, the permit(s) will be subject to all prior water rights. protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 4055 Gov't Way, Coeur d'Alene, Id. 83814 on or before JANUARY 15, 1979.

C. STEPHEN ALLRED
Director

Legal 344

Dec. 28, 1978, Jan. 4, 1979

Coral Hedge being first duly sworn
upon oath deposes and says:

1. I am now and at all times hereinafter mentioned was a citizen of the United States, resident of the State of Idaho, over the age of twenty-one years and not a party of the above entitled action.

2. I am now and at all times hereinafter mentioned was the printer (principal clerk) of the "Coeur d'Alene Press," a newspaper printed and published daily except Sunday in Coeur d'Alene, Kootenai County, Idaho, and having a general circulation in said county.

3. The

of which the annexed is a printed copy, was published in the regular *Thurs* issue of said newspaper for *2* consecutive *Weeks*, commencing on the *28* day of *Dec*, 19*78*, and ending on the *4* day of *Jan*, 19*79*, and such publication was made as often during said period as said *daily* newspaper was regularly issued.

4. That said newspaper has been continuously and uninterruptedly published in said Kootenai County, during a period of more than seventy-eight consecutive weeks immediately prior to the first publication of said notice.

Subscribed and sworn to before me this

4 day of *Jan*, 19*79*.

Coral Hedge
Notary Public for the State of Idaho,
residing at Coeur d'Alene, Idaho.

Sirsa Ranch
95-07883

95-07883

95-07883





State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

December 21, 1992

SINGER RANCH WATER ASSN
C/O HERB SINGER
948 ALABAMA ST
RATHDRUM ID 83858

RE: WATER RIGHT NO. 95-07883

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

A handwritten signature in cursive script that reads "Pamela Skaggs".

PAMELA SKAGGS
Water Resource Agent

PS:cz

Enclosure

MICROFILMED

MAY 25 1993



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

November 9, 1992

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

SINGER RANCH WATER ASSN
% HERB SINGER
948 ALABAMA ST
RATHDRUM ID 83858

RE: Water Right No. 95-07883

Dear Mr. Singer:

I recently sent you a licensing amendment in error for the above referenced right. I apologize for any inconvenience this may have caused. Enclosed is a draft copy of the license proposed to be issued on this right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

A handwritten signature in cursive script that reads 'Pamela Skaggs'.

PAMELA SKAGGS
Water Resource Agent

Enclosure

RECEIVED

MAY 25 1993



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

October 21, 1992

SINGER RANCH WATER ASSN
C/O HERB SINGER
948 ALABAMA ST
RATHDRUM ID 83858

RE: WATER RIGHT NO. 95-07883

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed application for amendment contains information that will be included on the license when it is issued. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee within 15 days.

If you do not concur with these findings or if you have any questions, please contact us within the 15-day period.

Sincerely,

PAMELA SKAGGS
Water Resource Agent

PS:cz

Enclosure

MAY 25 1993

LICENSE REVIEW CHECKLIST

Permit # 95-07883

Date 10-15-92

NAME	<u>Yes</u>	<u>No</u>	Address Change?
PRIORITY DATE	<u>Yes</u>	<u>No</u>	Advance?
	<u>Yes</u>	<u>No</u>	Memo to Advance
	<u>Yes</u>	<u>No</u>	Order to Reinstate Needed?
TOTAL CFS	<u>Yes</u>	<u>No</u>	Incorrect Fee for rate recommended?
	<u>Yes</u>	<u>No</u>	Disagree with Actual Measurement?
	<u>Yes</u>	<u>No</u>	<u>39 x .02 = .78 cfs (IRR) 24 DOM = .22 cfs (DOM)</u>
	<u>Yes</u>	<u>No</u>	Disagree with Theoretical?
	<u>Yes</u>	<u>No</u>	Limited by Capacity? <u>2.53 cfs</u> (measured)
TOTAL VOLUME			Rate/ac <u>3.0</u> AFA Irr. Season <u>D</u>
			<u>3-15 to 11-15</u> Standard Irr. Season
			<u>5-1 to 11-1</u> Per Permit Season Recommended
	<u>Yes</u>	<u>No</u>	Disagree with Examiner's Calculations?
	<u>Yes</u>	<u>No</u>	<u>39 x 3.0 = 117 afa (IRR) 14.4 afa (DOM)</u>
	<u>Yes</u>	<u>No</u>	Limited by Flow? <u>.78 x 184 x 1.9835 = 284.7 > 117</u>
SOURCE	<u>Yes</u>	<u>No</u>	Changes? Clarification of <u>Originally</u>
	<u>Yes</u>	<u>No</u>	<u>Intended source</u>
	<u>Yes</u>	<u>No</u>	Notice of Intent to Void.
P/D	<u>Yes</u>	<u>No</u>	Verify with Map
	<u>Yes</u>	<u>No</u>	Amendment Needed?
	<u>Yes</u>	<u>No</u>	Is Overlap Analysis a Consideration?
P/U	<u>Yes</u>	<u>No</u>	Verify with Map <u>Drop NENEW (IRR)</u>
	<u>Yes</u>	<u>No</u>	<u>Drop EX2 NW (DOM)</u>
	<u>Yes</u>	<u>No</u>	Amendment Needed? <u>Drop NENEW / Add NENE, NWNE & SONE</u>
	<u>Yes</u>	<u>No</u>	Is Overlap Analysis a Consideration?
USES	<u>Yes</u>	<u>No</u>	Change(s) in Nature of Use?
	<u>Yes</u>	<u>No</u>	Amendment Needed?
REMARKS	<u>Yes</u>	<u>No</u>	Multiple P/Ds in 1/4 1/4?
	<u>Yes</u>	<u>No</u>	Non-Irr. Uses <u>DOM / 24 Homes</u>
	<u>Yes</u>	<u>No</u>	Special Overlap Condition <u>P/D overlap 95-2150</u>
	<u>Yes</u>	<u>No</u>	Other
CONDITIONS	<u>Yes</u>	<u>No</u>	Measuring Device
	<u>Yes</u>	<u>No</u>	W/Master Control
	<u>Yes</u>	<u>No</u>	Overlap
	<u>Yes</u>	<u>No</u>	Water Quality
	<u>Yes</u>	<u>No</u>	DATES/MISC
	<u>Yes</u>	<u>No</u>	Water Dist.
	<u>Yes</u>	<u>No</u>	App Rec'd
	<u>Yes</u>	<u>No</u>	Exam Made
COMMENTS/MEMOS NEEDED:	<u>Reduced Rate, a.cres Amend P/D</u>		
	<u>DOM Internal per F.E.</u>		

License 10-Day 15-Day Special Correspondence

WR0749NP
No. L95-07883

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 10/16/92
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	SINGER RANCH WATER ASSN C/O HERB SINGER 948 ALABAMA ST RATHDRUM ID 83858 (208) 687-0966	12/14/1978	IRRIGATION DOMESTIC	05-01 11-01 01-01 12-31	0.78 CFS 0.22 CFS	117.0 AFA 14.4 AFA
TOTAL DIVERSION:					1.00 CFS	131.4 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 2.53 CFS

Point(s) of Diversion: T52N R04W S32 SW NE

Place of use Legal Description for: IRRIGATION

NE		NW		SW		SE		
T	R	S	NE	SE	NE	SE	NE	SE
52N	04W	32	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: SUM
			39	:	:	:	:	39.0
				:	:	:	:	39.0
				:	:	:	:	

Place of use Legal Description for: DOMESTIC

NE		NW		SW		SE		
T	R	S	NE	SE	NE	SE	NE	SE
52N	04W	32	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac Lt Ac	:
			D	D	D	D	D	:
								:

POU County: KOOTENAI

Other Water Rights with Same Point(s) of Diversion and Source:
95-02150 95-07883 E95-07883

Other Water Rights Listing Overlapping Place(s) of use:
95-02150 95-07883 E95-07883

Conditions of Approval:

R29 - This right when combined with all other rights shall provide no
- more than .02 cfs per acre nor more than 3.0 afa per acre for the
- lands above.

Remarks:

Domestic use is for 24 homes.
The total combined rate of diversion under this right and
95-02150 shall not exceed 2.53 cfs.

Dates:

App. Received:	12/14/1978	Priority Date:	12/14/1978
Proof Due Date:	01/01/1989	Proof Made Date:	11/15/1988
Exam Made Date:	09/12/1991	Exam Sent to S.O.:	07/20/1992
Licensed Date:			

Misc:

Water District Number: Field Exam Fee: R (Received)

Check List
for
Beneficial Use Field Report

Permit 95-07883

A. GENERAL INFORMATION

1. Name and address are most current available. (Check BU statement)
2. Exam Date
3. Source (Check Permit)

B. OVERLAP REVIEW

1. & 2. (Rule 5,1,4)

C. SYSTEM DESCRIPTION

1. Diversion System Diagram (Rule 5,1,3 / 5,1,4)
2. USGS (Rule 5,1,7 / 5,1,9) Aerial (Rule 5,1,17)
Photo of pd and/or pu or explanation
3. Word Picture (Rule 5,1,3 / 5,1,4)
4. Diversion (Rule 5,1,3)
5. Compare with USGS Map/Land Survey Maps/Aerial Photos/Permit.
Government Lot ?
Method of determination
6. Compare USGS/Land Survey? Aerial Photos/Permit.
Method of determination,
Irrigation (Rule 5,1,8),

Department of Water Resources

D. FLOW MEASUREMENTS Check math (Rule 5,1,13 / 5,1,14)

E. FLOW CALCULATIONS Check math (Rule 5,1,13 / 5,1,14)

F. OPTIONAL

G. VOLUME CALCULATIONS

- Three significant figures/not less than 0.10 (Rule 6,1,2)
Fish (Rule 5,1,11) number stock, homes, etc... (Rule 5,1,12)

H. REMARKS AND OVERLAP ANALYSES

- All actual uses listed (Rule 5,1,2):
All unused, permitted uses listed (Rule 5,1,2):
Overlaps (Rule 5,1,4):
Return flows (Rule 5,1,5):
Conditions (Rule 5,1,6).

I. RECOMMENDATIONS

1. Municipal (Rule 5,1,10): Compare with items E & G, permit, fee, capacity
(Rule 5,1,15): Measured flows for each use listed separately (Rule 5,1,14).
Period of year (Rule 5,1,13)
2. Compare permit to exam for amendments (Rule 5,1,16)

J. AUTHENTICATION

Name, Signature, Certification Date, Exam Date.

WELL INSPECTION REPORT

Check with permit and well log for discrepancies

Signature Tom D. King
Tom D. King Sr. Water Resource Agent

Date 11/27/91

RECEIVED
JUL 27 1992

Memo to file 95-07883

From: Theresa J. Bright

Re: ~~Kragati~~ Phone Conversation 10/8/91 10:00am
With Herb SINGER

Date: 10/8/91

I spoke with Mr. Singer & he confirmed that his system for Singer Ranch Water Assn. has no pipe line to the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ Sec 32 T.52N R.4W. He understands that I will not be recommending ~~those~~ 20 acres of irrigation in that ($\frac{1}{4}$) of a ($\frac{1}{4}$).

Theresa J. Bright

RECORDED

MAY 25 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

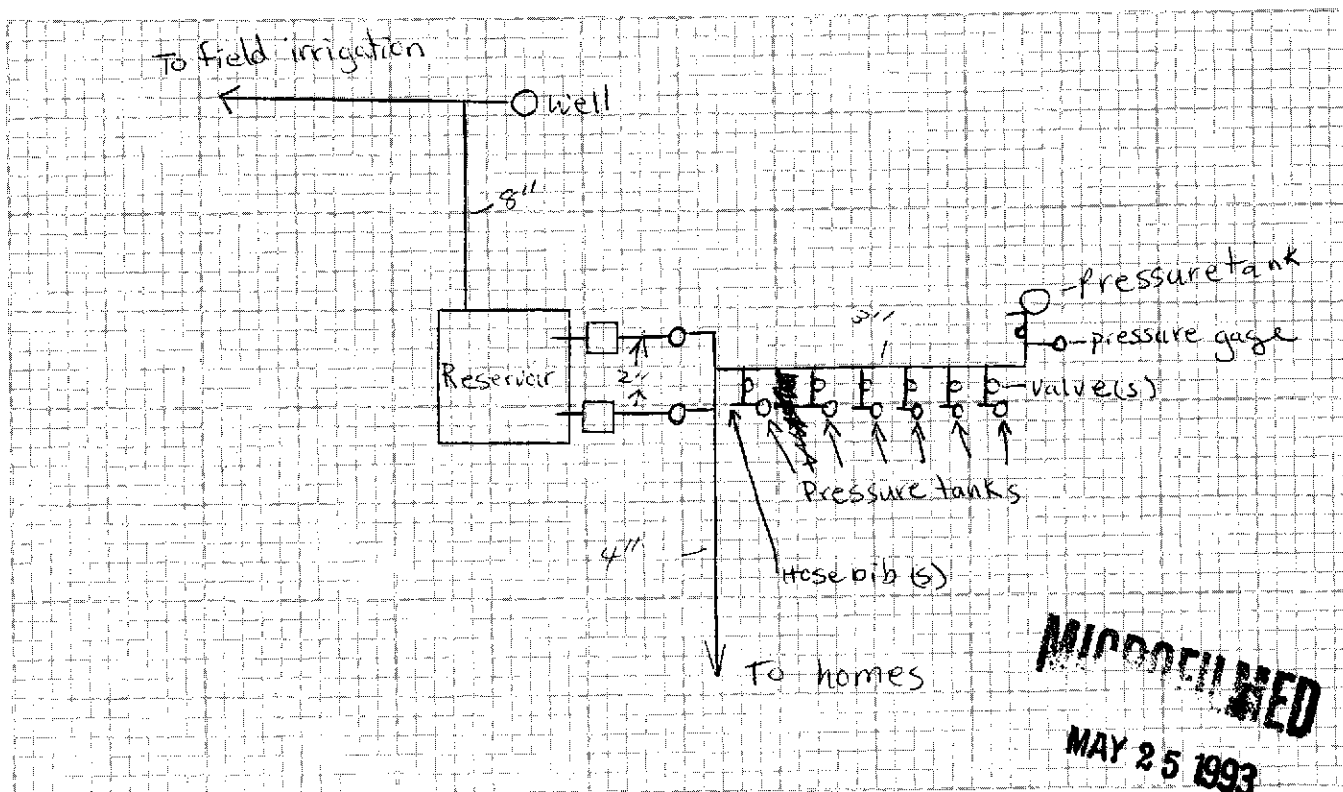
1. Owner: Singer Ranch Water Association Permit No. 95-07883
Current Address: c/o Herb Singer 948 Alabama St., Rathdrum ID 83858 Phone No. 208 687-0966
2. Accompanied by: SAME EXAM. DATE: 9/12/91
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ Copies Attached
2. Other water rights with same point of diversion: 95-2150 ☒ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached ☒ Supplemental diagrams Attached



Scale: 1" = NTS

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☐ Aerial Photo Attached - individual systems (required for irrigation of 10 acres or more). @ 45 acres
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Water from 8" 234' deep well is pumped into a 44,000 gallon reservoir by a 150 hp pump. From this reservoir, water is pumped through a 4 inch line to 24 5 acre parcels by 2-10 hp pumps. ~~which~~ alternate in pumping. System is pressurized by six 85 gallon size pressure tanks. Permit holder plans on adding a 15 hp motor in the future when rest of subdivision is developed.

☐ See Remarks on page 4 for continuation

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	US Motors	150	1334980		
	Century	10		Goulds	
	Peerless	10		PE M 835500	352-14

*Code to correspond with No. on map and aerial photo

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
					SW NE 32	52N 4W	32	Butterfield	Map

6. Place(s) of Use:

Indicate Method of Determination *Map*

Twp.	Rge.	Sec.	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	Totals
52N	4W	32	D	D	D	D	D	D										39
52N	4W	32																39
52N	4W	32																

Do not use this space

MAY 25 1993

Do not use this space

D. FLOW MEASUREMENTS

☒ Additional Data Sheets Attached (Sup. Field Report)

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Cox Hall	6-12			1462676		

2. Measurements:

H = 31.0 L = 6.9 Δ = 24.1

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached (Sup. Field Report)

1. Measured Method:

$$\frac{(3.1416)(3.87)^2(24.1)}{448.8} = 2.53 \text{ cfs}$$

2.0 cfs as per permit

2. Alternate Method for Checking Purposes:

$$\frac{150 \times 8.8 \times .70}{2.31 \times 45 + 214} = \frac{924}{317.95} = 2.91 \text{ system Capacity}$$

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 39 \times 3.5 = 136.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.0 \times 153 \times 1.9835 = 303.5 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 136.5$$

2. Volume Calculations for Other Uses:

$$24 \text{ homes } 24 \times .6 \text{ AF/home} = 14.4 \text{ AF}$$

$$16 \times 0.6 \text{ AF/home} = 9.6 \text{ AF}$$

MAY 25 1993

SECRET

Field Examiner's Name

2. Recommended Amendments

2.075

☒ None

Beneficial Use
Domestic (24)
Irrigation

I. RECOMMENDATIONS

RECOMMENDATIONS

REMARKS AND OVERLAP REVIEW ANALYSIS

This right when combined with 95-02150 should not exceed 2.53 cfs. ~~NOT MORE THAN 0.02 cfs/acre-TSK~~

irrigation of 20 acres in NENW was permitted, as was domestic use, but system pipe lines do not extend to this location and therefore these uses are not developed.

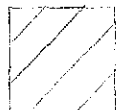
H. REMARKS AND OVERLAP REVIEW ANALYSIS

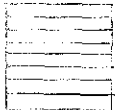
SUPPLEMENTAL DIAGRAM #95-07883

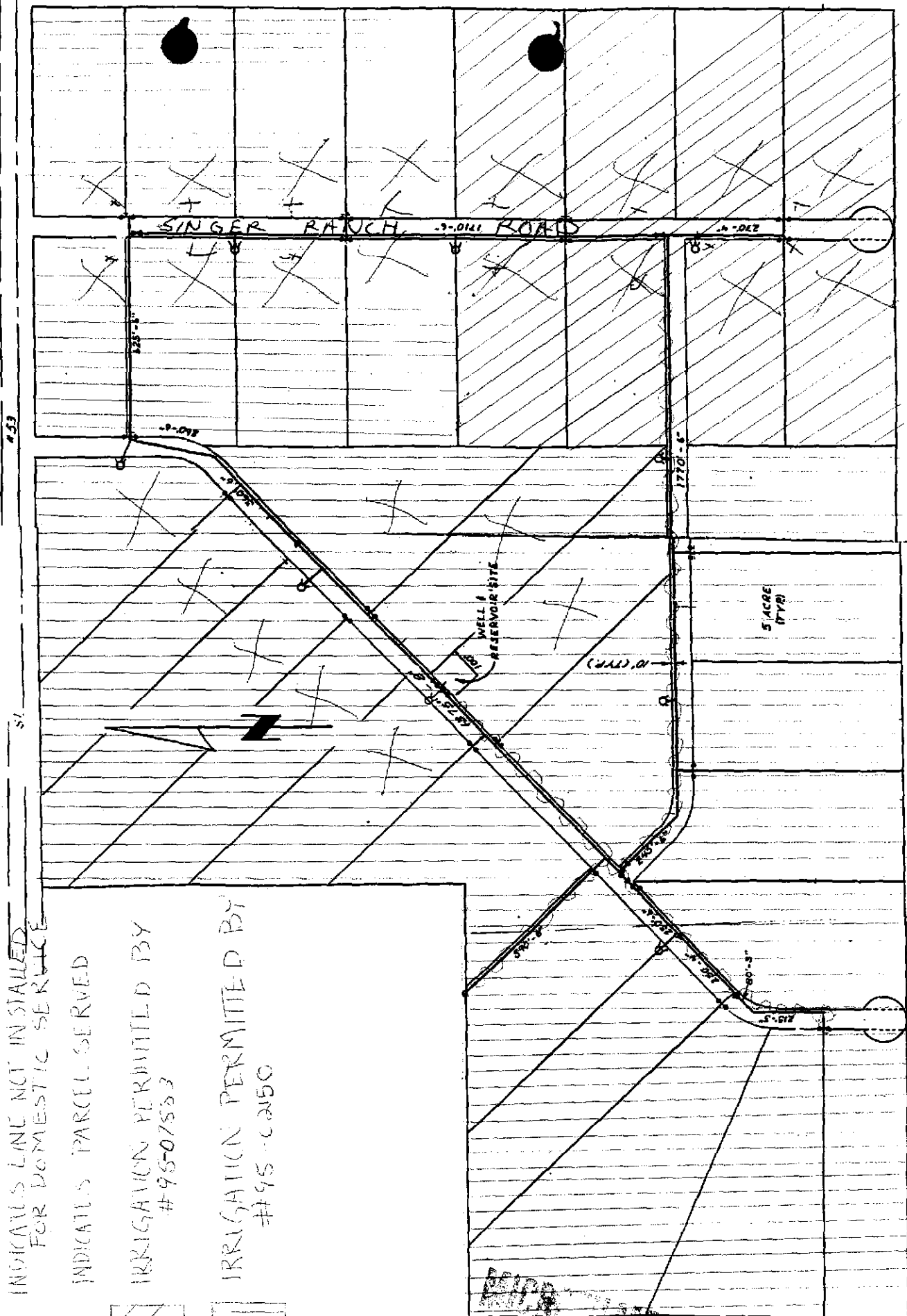
LEGEND

~~~~~ INDICATES LINE NOT INSTALLED  
FOR DOMESTIC SERVICE

X INDICATES PARCEL SERVED

 IRRIGATION PERMITTED BY  
#95-07883

 IRRIGATION PERMITTED BY  
#95-02150



MAY 25 1993

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
FIELD REPORT SUPPLEMENT

PERMIT # 45-1883

*Singer Ranch*

PHOTOGRAPHS



*Pump # "T" to Reservoir*

*Pressure Tanks*

*Pumps for Subdivision  
& Subdivision Mainline*

MAY 25 1993

7/87

State of Idaho

## DEPARTMENT OF WATER RESOURCES

## SUPPLEMENTAL FIELD REPORT FOR COX/HALL MEASUREMENT

Measured by: Theresa BrightDate 9/12/91Owner: Herb SingerPermit No. 95-C7883

## Description of well &amp;/or measuring site

- Include any clarifications of the sketch

- Include legal description if more than one p.d. is described in the Field Report

inside diameter is 7 3/4 inch

MEASURED INSIDE PIPE RADIUS IN INCHES (IR)

CIR = Pipe Circumference in Inches = 25.9I = Pipe Thickness in Inches = .25IR = [ ( 0.1592 X CIR ) - I ] = (7.75)/2 = 3.875DIFFERENTIAL PRESSURE READING IN INCHES OF H<sub>2</sub>O (H)High Reading = 31.0Low Reading = 6.9High - Low = H = 24.1

COX/HALL DESCRIPTION &amp; FACTOR DETERMINATION (H#)

State ID No. 1462676Size of tip used 2.46 (2.4")Number of holes in meter taped or blocked None

To determine Cox/Hall Factor (H#) use table to the right.  
Using the Differential Pressure Reading (H) find appropriate Row and Column to determine (H#).  
(examples: H = 12.4 then H# = 17.0)

Determine (H#) and enter here: 24.1

CALCULATION OF DISCHARGE IN CFS (Q)

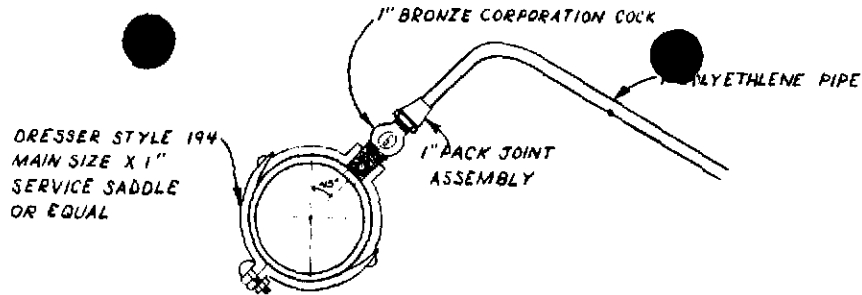
$$Q = \frac{(3.1416) (IR)^2 (H#)}{(448.8)}$$

$$Q = \frac{(3.1416) (3.875)^2 (24.1)}{(448.8)} = 2.53 \text{ cfs}$$

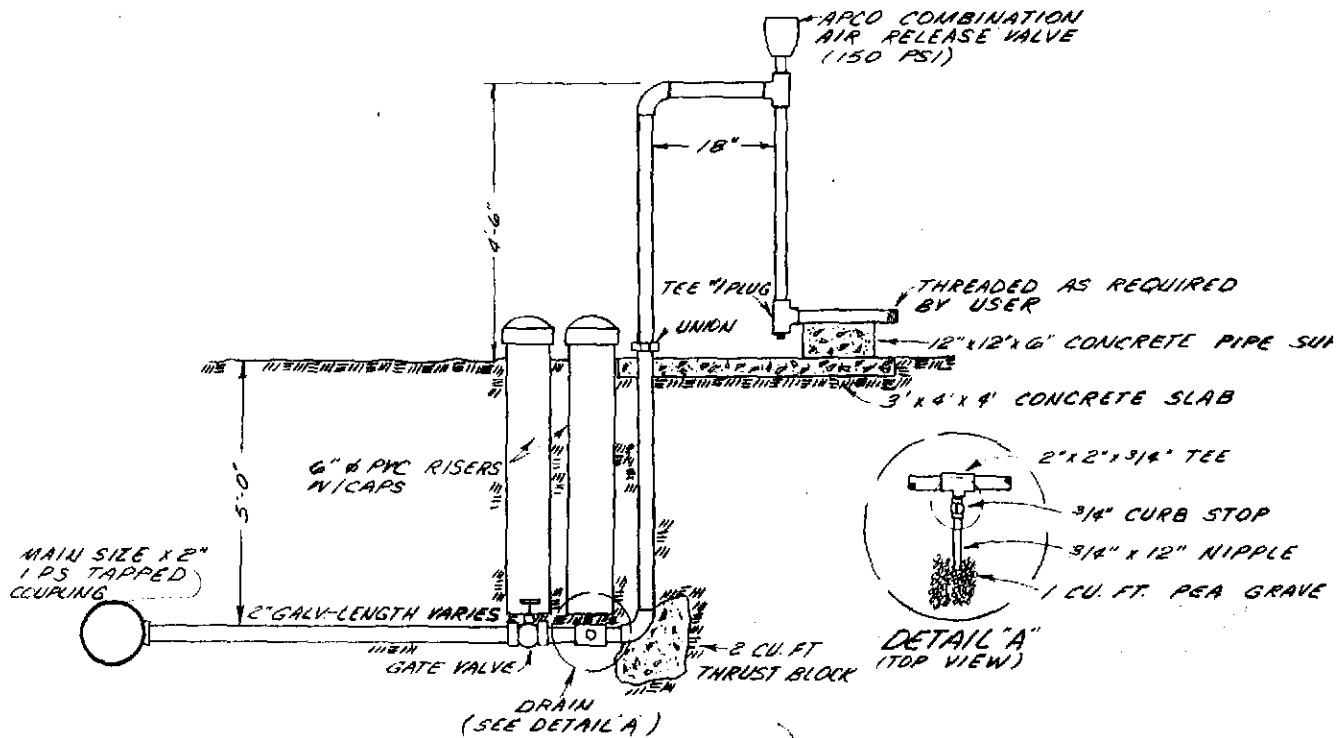
SKETCH (If not shown on Field Report)

MAY 25 1993

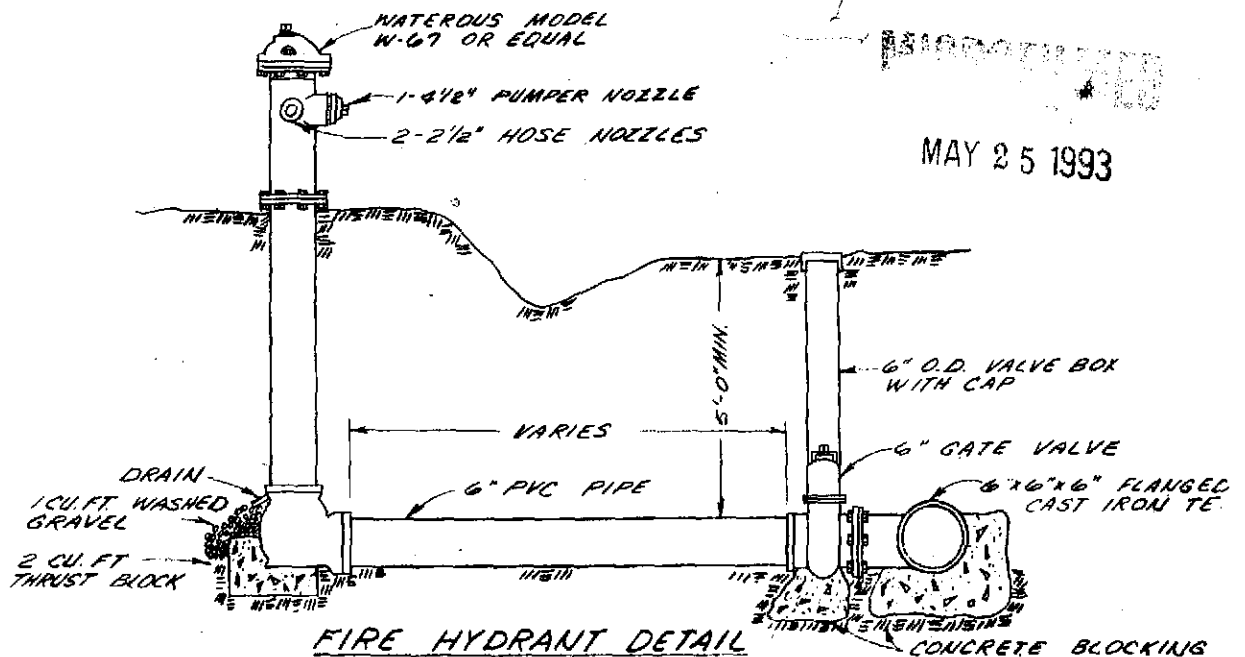
|    | .0    | .1    | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0  | 0.0   | 0.8   | 1.3   | 1.8   | 2.2   | 2.5   | 2.9   | 3.3   | 3.7   | 4.0   |
| 1  | 4.3   | 4.9   | 5.4   | 5.8   | 6.2   | 6.6   | 7.0   | 7.4   | 7.8   | 8.2   |
| 2  | 8.3   | 8.9   | 9.4   | 9.8   | 10.2  | 10.6  | 11.0  | 11.4  | 11.8  | 12.2  |
| 3  | 12.3  | 12.9  | 13.4  | 13.8  | 14.2  | 14.6  | 15.0  | 15.4  | 15.8  | 16.2  |
| 4  | 16.3  | 16.9  | 17.4  | 17.8  | 18.2  | 18.6  | 19.0  | 19.4  | 19.8  | 20.2  |
| 5  | 20.3  | 20.9  | 21.4  | 21.8  | 22.2  | 22.6  | 23.0  | 23.4  | 23.8  | 24.2  |
| 6  | 24.3  | 24.9  | 25.4  | 25.8  | 26.2  | 26.6  | 27.0  | 27.4  | 27.8  | 28.2  |
| 7  | 28.3  | 28.9  | 29.4  | 29.8  | 30.2  | 30.6  | 31.0  | 31.4  | 31.8  | 32.2  |
| 8  | 32.3  | 32.9  | 33.4  | 33.8  | 34.2  | 34.6  | 35.0  | 35.4  | 35.8  | 36.2  |
| 9  | 36.3  | 36.9  | 37.4  | 37.8  | 38.2  | 38.6  | 39.0  | 39.4  | 39.8  | 40.2  |
| 10 | 40.3  | 40.9  | 41.4  | 41.8  | 42.2  | 42.6  | 43.0  | 43.4  | 43.8  | 44.2  |
| 11 | 44.3  | 44.9  | 45.4  | 45.8  | 46.2  | 46.6  | 47.0  | 47.4  | 47.8  | 48.2  |
| 12 | 48.3  | 48.9  | 49.4  | 49.8  | 50.2  | 50.6  | 51.0  | 51.4  | 51.8  | 52.2  |
| 13 | 52.3  | 52.9  | 53.4  | 53.8  | 54.2  | 54.6  | 55.0  | 55.4  | 55.8  | 56.2  |
| 14 | 56.3  | 56.9  | 57.4  | 57.8  | 58.2  | 58.6  | 59.0  | 59.4  | 59.8  | 60.2  |
| 15 | 60.3  | 60.9  | 61.4  | 61.8  | 62.2  | 62.6  | 63.0  | 63.4  | 63.8  | 64.2  |
| 16 | 64.3  | 64.9  | 65.4  | 65.8  | 66.2  | 66.6  | 67.0  | 67.4  | 67.8  | 68.2  |
| 17 | 68.3  | 68.9  | 69.4  | 69.8  | 70.2  | 70.6  | 71.0  | 71.4  | 71.8  | 72.2  |
| 18 | 72.3  | 72.9  | 73.4  | 73.8  | 74.2  | 74.6  | 75.0  | 75.4  | 75.8  | 76.2  |
| 19 | 76.3  | 76.9  | 77.4  | 77.8  | 78.2  | 78.6  | 79.0  | 79.4  | 79.8  | 80.2  |
| 20 | 80.3  | 80.9  | 81.4  | 81.8  | 82.2  | 82.6  | 83.0  | 83.4  | 83.8  | 84.2  |
| 21 | 84.3  | 84.9  | 85.4  | 85.8  | 86.2  | 86.6  | 87.0  | 87.4  | 87.8  | 88.2  |
| 22 | 88.3  | 88.9  | 89.4  | 89.8  | 90.2  | 90.6  | 91.0  | 91.4  | 91.8  | 92.2  |
| 23 | 92.3  | 92.9  | 93.4  | 93.8  | 94.2  | 94.6  | 95.0  | 95.4  | 95.8  | 96.2  |
| 24 | 96.3  | 96.9  | 97.4  | 97.8  | 98.2  | 98.6  | 99.0  | 99.4  | 99.8  | 100.2 |
| 25 | 100.3 | 100.9 | 101.4 | 101.8 | 102.2 | 102.6 | 103.0 | 103.4 | 103.8 | 104.2 |
| 26 | 104.3 | 104.9 | 105.4 | 105.8 | 106.2 | 106.6 | 107.0 | 107.4 | 107.8 | 108.2 |
| 27 | 108.3 | 108.9 | 109.4 | 109.8 | 110.2 | 110.6 | 111.0 | 111.4 | 111.8 | 112.2 |
| 28 | 112.3 | 112.9 | 113.4 | 113.8 | 114.2 | 114.6 | 115.0 | 115.4 | 115.8 | 116.2 |
| 29 | 116.3 | 116.9 | 117.4 | 117.8 | 118.2 | 118.6 | 119.0 | 119.4 | 119.8 | 120.2 |
| 30 | 120.3 | 120.9 | 121.4 | 121.8 | 122.2 | 122.6 | 123.0 | 123.4 | 123.8 | 124.2 |
| 31 | 124.3 | 124.9 | 125.4 | 125.8 | 126.2 | 126.6 | 127.0 | 127.4 | 127.8 | 128.2 |
| 32 | 128.3 | 128.9 | 129.4 | 129.8 | 130.2 | 130.6 | 131.0 | 131.4 | 131.8 | 132.2 |
| 33 | 132.3 | 132.9 | 133.4 | 133.8 | 134.2 | 134.6 | 135.0 | 135.4 | 135.8 | 136.2 |
| 34 | 136.3 | 136.9 | 137.4 | 137.8 | 138.2 | 138.6 | 139.0 | 139.4 | 139.8 | 140.2 |
| 35 | 140.3 | 140.9 | 141.4 | 141.8 | 142.2 | 142.6 | 143.0 | 143.4 | 143.8 | 144.2 |
| 36 | 144.3 | 144.9 | 145.4 | 145.8 | 146.2 | 146.6 | 147.0 | 147.4 | 147.8 | 148.2 |
| 37 | 148.3 | 148.9 | 149.4 | 149.8 | 150.2 | 150.6 | 151.0 | 151.4 | 151.8 | 152.2 |
| 38 | 152.3 | 152.9 | 153.4 | 153.8 | 154.2 | 154.6 | 155.0 | 155.4 | 155.8 | 156.2 |
| 39 | 156.3 | 156.9 | 157.4 | 157.8 | 158.2 | 158.6 | 159.0 | 159.4 | 159.8 | 160.2 |
| 40 | 160.3 | 160.9 | 161.4 | 161.8 | 162.2 | 162.6 | 163.0 | 163.4 | 163.8 | 164.2 |
| 41 | 164.3 | 164.9 | 165.4 | 165.8 | 166.2 | 166.6 | 167.0 | 167.4 | 167.8 | 168.2 |
| 42 | 168.3 | 168.9 | 169.4 | 169.8 | 170.2 | 170.6 | 171.0 | 171.4 | 171.8 | 172.2 |
| 43 | 172.3 | 172.9 | 173.4 | 173.8 | 174.2 | 174.6 | 175.0 | 175.4 | 175.8 | 176.2 |
| 44 | 176.3 | 176.9 | 177.4 | 177.8 | 178.2 | 178.6 | 179.0 | 179.4 | 179.8 | 180.2 |
| 45 | 180.3 | 180.9 | 181.4 | 181.8 | 182.2 | 182.6 | 183.0 | 183.4 | 183.8 | 184.2 |
| 46 | 184.3 | 184.9 | 185.4 | 185.8 | 186.2 | 186.6 | 187.0 | 187.4 | 187.8 | 188.2 |
| 47 | 188.3 | 188.9 | 189.4 | 189.8 | 190.2 | 190.6 | 191.0 | 191.4 | 191.8 | 192.2 |
| 48 | 192.3 | 192.9 | 193.4 | 193.8 | 194.2 | 194.6 | 195.0 | 195.4 | 195.8 | 196.2 |



TYPICAL DOMESTIC SERVICE  
NO SCALE

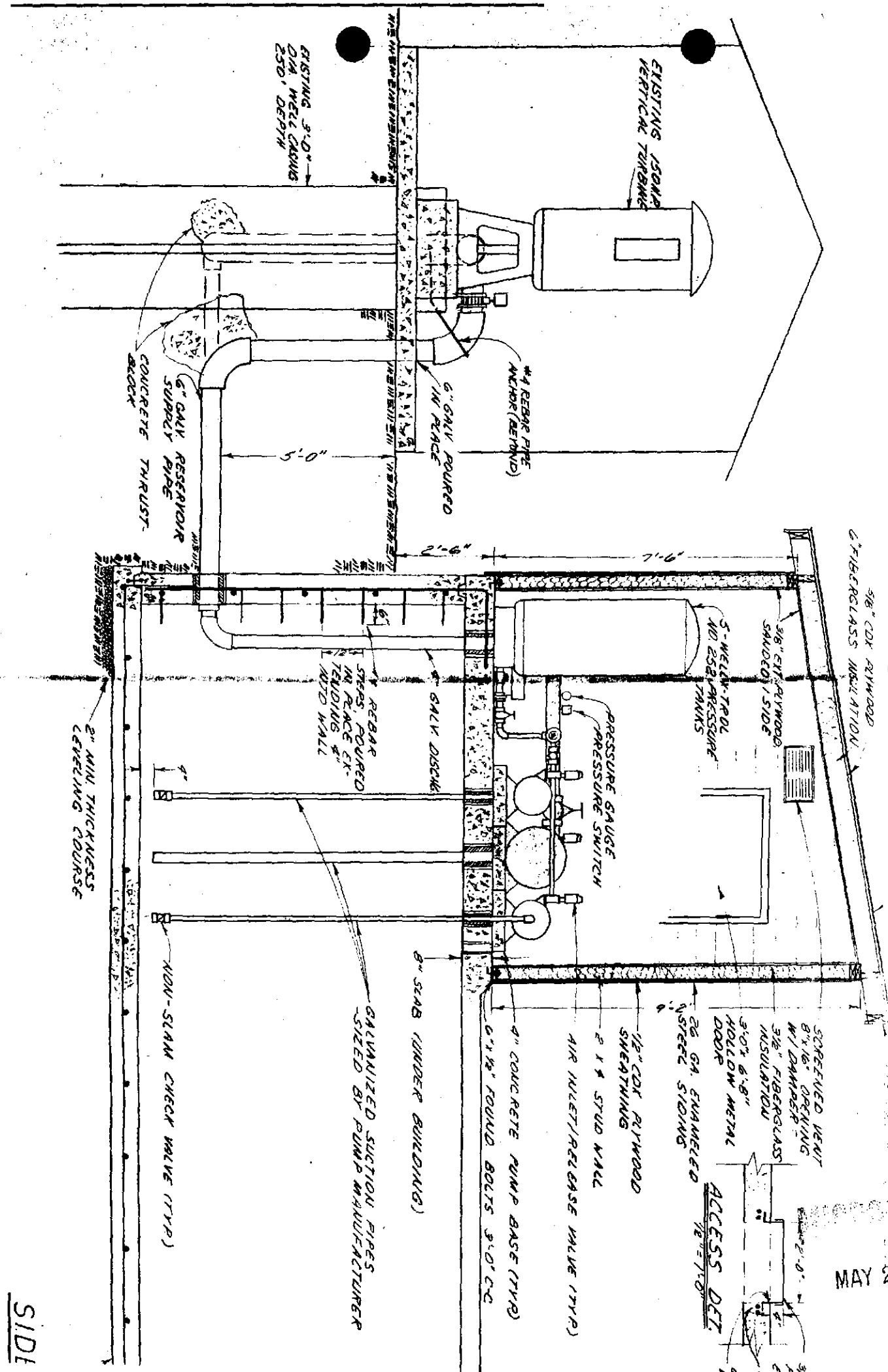


TYPICAL IRRIGATION SERVICE  
NO SCALE



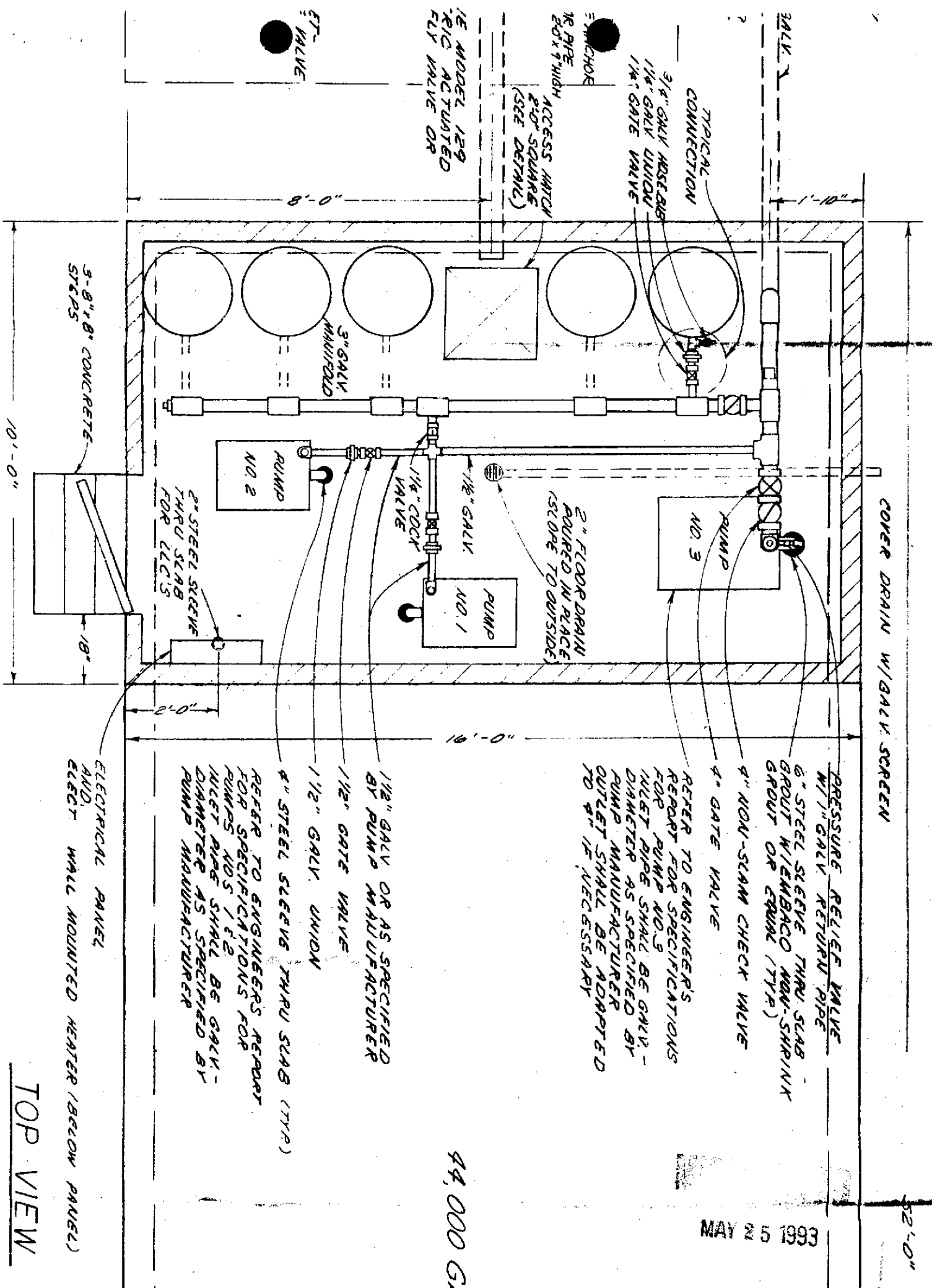
REPRODUCTION

MAY 25 1993



MAY 25 1993

SIDE



COVER DRAIN W/ GALT SCREEN

PRESSURE RELIEF VALVE  
W/ 1" GALT RETURN PIPE  
6" STEEL SLEEVE THRU SLAB  
GROUT W/ EMBAGO NON-SHRINK  
GROUT OR EQUAL (TYP)

4" NON-SLAM CHECK VALVE

4" GATE VALVE

REFER TO ENGINEER'S  
REPORT FOR SPECIFICATIONS  
FOR PUMP NO. 3  
INLET PIPE SHALL BE GALT -  
DIAMETER AS SPECIFIED BY  
PUMP MANUFACTURER  
OUTLET SHALL BE ADAPTED  
TO 4" IF NECESSARY

1 1/2" GALT OR AS SPECIFIED  
BY PUMP MANUFACTURER

1 1/2" GATE VALVE

1 1/2" GALT UNION

4" STEEL SLEEVE THRU SLAB (TYP)

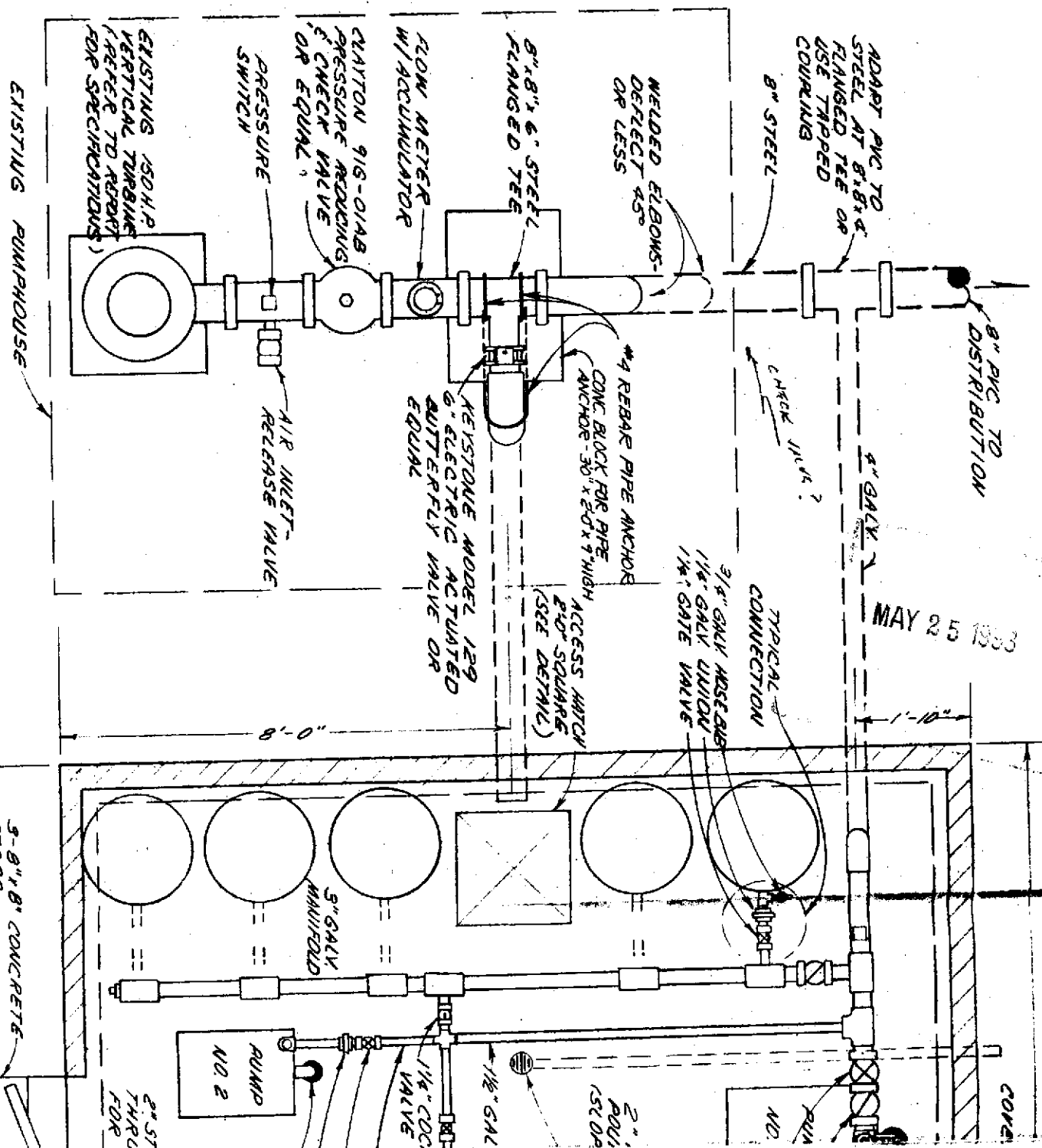
REFER TO ENGINEER'S REPORT  
FOR SPECIFICATIONS FOR  
PUMPS NOS 1 & 2  
INLET PIPE SHALL BE GALT -  
DIAMETER AS SPECIFIED BY  
PUMP MANUFACTURER

ELECTRICAL PANEL  
AND  
ELECT WALL MOUNTED HEATER (BELOW PANEL)

44,000 GA

MAY 25 1993

TOP VIEW



State of Idaho  
Department Of Water Resources  
WELL INSPECTION FORM

If well is associated with water right, provide WR Permit No. 95-7883  
Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description of Well Location:

Twp. 32 N, Rge. 4w Sec. 32, SW 1/4 NE 1/4 Gov. Lot \_\_\_\_\_

2. Owner: Herb Singer

Address: 948 Alabama St

City Bethel, State ID 83858

3. Casing  $\geq$  12 inches above ground: Yes X No \_\_\_\_\_

4. Access Port: Y X N \_\_\_\_\_ Static Water Level: 214'  
Pressure Gauge: Y X N \_\_\_\_\_ (Broken Casing Diameter: 30"  
Flowing: Y \_\_\_\_\_ N X Temperature: Cold

5. Are there any obvious construction problems that may be a source for contamination or waste of water: Y \_\_\_\_\_ N X

If answer to Item 5 is Yes, describe in remarks and attach photo.

Remarks : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MICROFILMED

MAY 25 1993

Engineers  
Land Surveyors

## MECKEL ENGINEERING & SURVEYING

402 Idaho Avenue  
Coeur d'Alene, Idaho 83814  
Phone (208) 667-4638

June 24, 1981

Mr. Gary Gaffney  
Division of Environment  
Department of Health and Welfare  
2110 Ironwood Parkway  
Coeur d'Alene, Idaho 83814

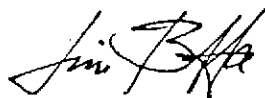
RE: SINGER RANCH

Dear Mr. Gaffney:

We have inspected the water system at the Singer Ranch Subdivision. It appears to have been built according to the already approved plans, but all the components have not been installed. Two of the five planned Well-X-Trol pressure tanks have been installed and one of the three planned pumps is in. The design and layout of the pumphouse is as designed, so the extra pressure tanks and pumps can be easily added. Mr. Singer plans on installing them when the subdivision is developed to the point where they are required.

This report of our inspection is submitted so that the system can be certified. If you have any questions feel free to contact me at 667-4638.

Very truly yours,



James A. Buffa, P.E., L.S.

JAB:j1  
cc: Herb Singer

RECEIVED  
MAY 25 1993

## MECKEL ENGINEERING & SURVEYING

402 Idaho Avenue  
Coeur d'Alene, Idaho 83814  
Phone (208) 667-4638

October 28, 1982

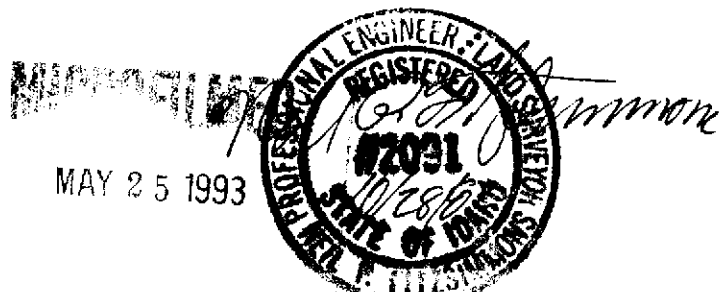
### CONSTRUCTION INSPECTION SINGER WATER SYSTEM

On September 17, 1982, Mr. Herb Singer accompanied Mr. Neil FitzSimmons, P.E., L.S., Meckel Engineering and Surveying, on an inspection of the As-Built Singer Ranch Water Association Facilities. The system has been constructed to serve 16 lots on the East side of the subdivision along Singer Road. The 8-inch and 6-inch P.V.C. lines had been inspected during construction and a random check of depth at valve boxes on this date verified adequate depth of installation. The installed line extends Northeast of the reservoir to Singer Road then South on Singer Road to dead-end. Provisions were made to permit connection and installation of the complete loop in a future phase.

Fire hydrants and services stubouts are installed for the 16 units along Singer Road except the first lot on the West where the service is located at midlot on the South boundary. See notes on attached drawing sheet 1 of 2. The 2-inch irrigation services are capped at the surface with the anti-siphon loops deleted at this time.

#### Sheet 2 of 2 Reservoir and Pumphouse Details

The controls to fill the reservoir differ from the plans and are shown in schematic on the attached sketch. The well pump discharge delivers to the reservoir through a 6-inch manual butterfly valve that will be replaced by a compressed-air-actuated-electric-solenoid-controlled automatic butterfly valve now on hand. It is also possible for the well pump to discharge directly into the 8-inch distribution line through a manually operated gatevalve. The reservoir is filled as necessary to maintain an adequate volume for the two connections on the system.



The distribution system is pressurized with a 10 h.p. Goulds Centrifugal pump Model 3656 and two Well X-Trol WX 252 captive air tanks with the pressure maintained automatically in the 40 to 60  $\pm$  psi range at the pump house. A 2-inch PVC manifold was installed for this phase. Valves and gages are as required except the air inlet/release valve is deleted. Blockouts for the remaining pumps are capped. As more users come onto the system the additional pump capacity and pressure tanks will be installed.

The pump house is located at about the third point of the reservoir rather than at the end. The access hatch is outside the pump house and has a properly constructed overlapping cover. The floor drain was deleted by the contractor and the owner has bored drainage holes under the sill plates to the outside of the reservoir. There was no leakage or spillage evident at this inspection.

#### Conclusions and Recommendations

The installation has been constructed to deliver water to the first 16 lots. The pump capacity is in the range of 160-185 gpm and with the two pressure tanks could safely cycle up to 20 times per hour. It would be necessary to adjust the rate at which the pressure tanks refilled to insure the maximum number of cycles is not exceeded. During irrigation season, the system would handle 6 lots instantaneous domestic/irrigation demand.

The automatic well controls should be installed to maintain the reservoir level and prevent over pressuring the distribution system. The additional booster pumps and pressure tanks with appropriate controls could be installed at any time but would be required for more than six connections.

The loop to complete the distribution system will become necessary as additional units are built on. Without the loop, pressure drop may become excessive at the extreme services and discharge for fire protection would be inadequate. It is recommended this construction be concurrent with installation of additional reservoir booster pump capacity.

MAY 25 1993

July 25, 1991

Herbert Singer  
948 Alabama St.  
Rathdrum ID 83858

RE: Water Right No. 95-07883

Dear Mr. Singer:

It will be necessary for you to install a measurement port in your system so that we can determine the amount of water that you are withdrawing from the ground. It needs to be installed between your main pump (150 hp) and the reservoir. The pipe isn't quite long enough to get the ideal of 8 pipe diameters from any elbow or other obstruction, but if you have the port put in approximately half way between the main line leaving the well head and where it branches off and goes under ground, we should be able to get a fairly accurate reading. If you would like, we can meet you on-site to recommend the location more precisely.

We will need to measure your system while your main pump is running and filling the reservoir. When you have the port installed, please schedule a time with us when the main pump will be running. We will need a few minutes to install the measuring device without the pump running, and then several minutes to obtain the reading. If all this seems to involved you may also install a flow meter as indicated on your water system plans.

Sincerely,

Theresa J. Bright  
Field Examiner

RECEIVED  
MAY 25 1993

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
COMMENCEMENT OF WORKS

Permit No. 95-7883 Singer Ranch Water Association  
Name(s) of Permit Holder(s): Herb Singer  
Post Office Address: Rt 3 Box 341 Rathfron IDA  
83858 Tel. No. 687-0966

- ☒ I hereby certify that construction of diversion works for the above referenced permit began on march 1, 1980 (date) and understand that I must continue to develop the water system with due diligence to maintain a valid permit.
- ☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control\*:

\*Note: A financing difficulty is not an acceptable reason.

7-3-82  
Date

Herb Singer  
Signature of Permit Holder

Singer Ranch Water Assn.  
c/o Herb Singer  
Rt 3 Box 341  
Rathdrum Idaho 83858



Department of Water Resources

1982

IDAHO

DEPARTMENT OF WATER RESOURCES

STATEHOUSE

BOISE, IDAHO 83720

RECEIVED

MICROFILMED

MAY 25 1993



Fire Pump  
1930s  
USA





State of Idaho  
**DEPARTMENT OF WATER RESOURCES**  
NORTHERN REGION, Suite No. 9 • 4055 Government Way • Coeur d'Alene, Idaho 83814 • (208) 765-4639

CECIL D. ANDRUS  
Governor

R. KEITH HIGGINSON  
Director

December 9, 1988

Singer Ranch Water Assn.  
948 Alabama St.  
Rathdrum, Id. 83858

Re: 95-7883

Gentlemen:

Dear Permitholder:

We acknowledge receipt of your statement of completion of water development use for the above-referenced permit.

Before a license can be issued, a field examination must be made by a representative of this Department. We do not know at this time when he will be able to conduct the examination; however, the examiner will try to contact you prior to the time the examination is made so that you may demonstrate the system. If you will not be available to show the system, please provide this office with the name and address of someone who will be able to do so. Your permit will remain valid until the examination is made.

If you have any questions concerning the field examination, please contact this office. Please be sure to use the above-referenced permit number in all future correspondence concerning this examination.

Sincerely,

/s/  
TOM D. KING  
Senior Water Resource Agent

TDK/pms

**MICROFILMED**

JAN 10 1989

## PROOF OF BENEFICIAL USE

## ANALYSIS SHEET

Permit No. 95-7883Date: 11-29-88General Considerations:

- ☒ Name same as permit  
☒ Signature the same as permit holder  
☒ Address change \_\_\_\_\_ If yes, prepare a data entry  
☒ Proof received timely \_\_\_\_\_  
☐ Reinstated \_\_\_\_\_

Source of Water:

- ☐ Surface water  
☒ Groundwater  
     ☒ 1. well log in file  
     ☒ 2. drilling permit  
     \_\_\_\_\_ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

- ☒ Rate of diversion appropriate for uses  
☒ Is rate or volume and fee appropriate?  
☒ Has permit holder indicated when water was first put to a beneficial use?

Measuring Devices:

- ☒ Is a measuring device or access port required?  
☒ Has one been installed?  
☒ Waiver or modification of measuring device requested

Remarks:

Proof acceptable

N/A Priority Calculation:  
 Date proof received \_\_\_\_\_

Date proof due \_\_\_\_\_

No. of days late \_\_\_\_\_

Priority date \_\_\_\_\_

NEW PRIORITY DATE \_\_\_\_\_

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

**RECEIVED**

NOV 15 1988

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

For Office Use Only  
Fee Received 850.00  
Date 11-16-88  
Receipt # C003413  
Receipt by [Signature]  
Reviewed by [Signature]  
Sent to region 0

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 95-07883

Name(s) of Permit Holder: JINGER RANCH WATER ASSN.

Post Office Address: 948 ALABAMA ST. RATHDRUM ID 83858

Telephone No. 687-0966

Source of Water: GROUND WATER 150 HP PUMP

Extent of Use:

Domestic 9 + 16 STUBS (number of households) Stockwater \_\_\_\_\_ (number and type of stock)  
Irrigation \_\_\_\_\_ (acres) Other/Remark 3/4" MEASURE PORT

Total rate and/or volume for which proof is submitted .20 cfs \_\_\_\_\_ acre-feet

Show the date water was first diverted and beneficially used under this permit: 12/14/78

Measuring Device: Required? ☐ Yes ☒ No  
Installed? ☐ Yes ☐ No  
Fee enclosed \$ 50.00  
(See License Examination Fee Schedule)

Flow Measurement Port: Required? ☒ Yes ☐ No  
Installed? ☐ Yes ☐ No

Person to contact to accompany the Department representative during the field examination:

(Name)

**UNRECORDED**

JAN 10 1989

(Address)

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

10/10/88  
Date

x Herbert Singer Pres.  
Signature of Permit Holder (and title, if appropriate)

To: File 95-7883

From: Groundwater Protection

Date: 11/28/88

Drilling Permit: ☒ Not Applicable  
☐ Found and in file  
☐ Not Found

Well Drillers Report:

☐ Not found, due to reported age of well  
probably not available  
☒ Found and is in file ?  
☐ Not found

Follow-up

☐ Request from permit holder the well  
drillers report and/or the name of the  
well driller, *And date drilled.*  
☐ Ask permit holder when well was drilled  
and notify holder of drilling permit  
requirement if after July 01, 1987.

DK.

*This log is probably  
for this use*

**MICROFILMED**

JAN 10 1989

2-1-1

**RECEIVED**

AUG 5 1964

**WELL LOG AND REPORT OF THE  
STATE RECLAMATION ENGINEER OF IDAHO**

Form No. 2-1-1-1 Well No. 1 County Kootenai

Owner Oscar Sinner and Lorenze Sinner

Address 1st drg, 1st o

Owner E. J. Waller

Address Port Hills, Idaho

Well location N 1/4 Sec 30 T 52 R 12E AD

Size of drilled hole 30"

Locate well by section

|      |      |
|------|------|
| 100% | 100% |
| 100% | 100% |

Total depth of well 234

Give depth to standing water from the ground 211 Water temp. 52 °Fahr.

On "Pumping Test" delivery was g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make test

Length of time of test hours minutes

If flowing well, give flow c.f.s. or g.p.m. and of shut off pressure

If flowing well, describe control valve

(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation Weight of casing per lineal foot

Thickness of casing 1/2" Casing material steel

(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 234 ft. 30"

(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER;  
CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

**CASING RECORD**

| Blow<br>Casing | From<br>Foot | To<br>Foot | Length | Remarks—casing, grouting, etc. |
|----------------|--------------|------------|--------|--------------------------------|
| 20"            | 0            | 234        | 234    |                                |
|                |              |            |        |                                |
|                |              |            |        |                                |
|                |              |            |        |                                |

**MICROFILMED**

JAN 10 1989

Number and size of perforations 600 2" x 1/4" slot 201 feet to 228 feet from ground

Date of commencement of well Feb. 6, 1964 Date of completion of well June 25, 1964

**ENGINEER**

[illegible]

**This mail was drafted under my supervision and the above information is complete, true and correct to the best of my knowledge and belief.**

E. J. Wall.

Aug. 3 1944

License No. 222

**MICROFILMED**

SINGER RANCH WATER ASSN.  
C/O HERB SINGER  
RT. 3 BOX 341  
RATHDRUM, ID 83858

October 31, 1988

138740

PROOF DUE NOTICE

RE: PERMIT NO. 95-07883

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before January 1, 1989. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck  
Secretary/Records Manager

Enclosures

**MICROFILMED**

JAN 10 1989

December 13, 1983

Herb Singer  
Singer Ranch Water Association  
Rt. 3 Box 341  
Rathdrum, ID 83858

Gentlemen:

Re: Permit No. 95-7883

Enclosed is a copy of the approved request for extension of time. The time within which to submit the statement of beneficial use is extended to January 1, 1989.

Sincerely,

RITA I. FLECK  
Secretary/Records Manager

Enclosures: Ext. of Time

**RECORDED**

STAFF REVIEW OF REQUESTS FOR EXTENSION OF TIME

Permit Number 95-7883

- Y Date Received stamp  
Y Fee receipted  
Y Name on request same as on permit  
Y Address same as on permit  
Y Proof due date correct  
Y Period of request correct  
Y Signature same as on permit  
Y First extension request  
N Permit holder named as defendant in 1983 Idaho Power lawsuit  
Y Is extension filed before proof due date?  
    Date extension received \_\_\_\_\_  
    Proof due date - \_\_\_\_\_  
    Days late \_\_\_\_\_  
    Priority date \_\_\_\_\_  
    Adjusted priority date \_\_\_\_\_  
N Is delay caused by litigation?  
    Date litigation began \_\_\_\_\_  
    Date litigation completed \_\_\_\_\_  
    Period of delay \_\_\_\_\_  
    New proof due date \_\_\_\_\_  
Y Is there commencement of works?  
    \_\_\_\_ Cover letter number  
    \_\_\_\_ Rolodex card updated

Remarks: Approval on due diligence

Reviewed by: Rita

Date: 12-12-1983

**MICROFILMED**



State of Idaho

## DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS

Governor

A. KENNETH DUNN

Director

Mailing address:  
Statehouse  
Boise, Idaho 83720  
(208) 334-4440

### EXTENSION OF TIME

December 5, 1983

Herbert Nagel  
P.O. Box 907  
Coeur d'Alene, ID 83814

PERMIT NO. 95-7883 Singer Ranch Water Assn.

We are in receipt of the \$15 extension fee for Extension(s) of Time to provide additional time in which to submit proof of beneficial use on a water right permit.

Your request for extension(s) of time is being reviewed by staff. You will be informed of our decision when review has been completed.

Enclosed is our receipt No. 33625

Roberta Garrett  
Records Supervisor

Enclosure

**MICROFILMED**

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

---

STATEHOUSE  
BOISE, IDAHO 83720  
(208) 334-4440  
CERTIFIED MAIL

138174

SINGER RANCH WATER ASSOCIATION,  
C/O HERB SINGER  
RT 3, BOX 341  
RATHDRUM, ID 83858

PROOF DUE NOTICE

OCTOBER 31, 1983

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 95-7883 WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE JANUARY 01, 1984. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST). ENCLOSED IS A POSTCARD WHICH MAY BE USED TO SUBMIT THE REQUIRED PROOF.

IF YOU HAVE NOT FULLY COMPLETED YOUR PROJECT, AND YOU OR A PREVIOUS OWNER OF THIS PERMIT HAVE NOT RECEIVED A PRIOR EXTENSION OF TIME, YOU MAY REQUEST AN EXTENSION OF TIME IF THE DELAY IS FOR REASONABLE CAUSE AS PROVIDED IN SECTION 42-204, IDAHO CODE. IF YOU HAVE BEEN PREVENTED FROM PROCEEDING BY A GOVERNMENTAL AGENCY OR BY LITIGATION, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER THE BENEFICIAL USE POSTCARD OR A REQUEST FOR AN EXTENSION OF TIME MUST BE RECEIVED BY THIS DEPARTMENT ON OR BEFORE THE ABOVE DESCRIBED PROOF DUE DATE. IF NEITHER IS RECEIVED, THE DEPARTMENT WILL SEND YOU A LAPSE NOTICE. WITHIN SIXTY (60) DAYS OF THE MAILING OF THE LAPSE NOTICE, THE PERMIT WILL NO LONGER BE OF ANY FORCE NOR EFFECT.

SINCERELY,

RITA FLECK  
SECRETARY/RECORDS MANAGER

ENCLOSURES

**MICROFILMED**



State of Idaho

# DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS  
Governor

C. STEPHEN ALLRED  
Director

Mailing address:  
Storehouse  
Boise, Idaho 83720  
(208) 384-2215

February 1, 1979

Re: Permit No. 95-7883

Singer Ranch Water Association  
c/o Herb Singer  
Rt. 3, Box 341  
Rathdrum, Idaho 83858

Gentlemen:

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval as listed on the fourth page.

Be sure to note the special condition requiring you to install an access port or other device to provide for the installation of measuring equipment by the Department. The Department will provide specifications for the installation to you.

Sincerely,

*David R. Tuthill Jr.*

DAVID R. TUTHILL, JR.  
Supervisor, Water Allocations Section

DRT:lr

Enclosure

*access port  
letter sent 9/8/79  
Latty (Hingston)*

**MICROFILMED**

Jim.

- what use & place  
of use is  
described on  
95-2150?

↖ see item 8(c) ↗

- Please comment  
on your staff  
analysis sheet.

7/2

MICROFILMED 79

## STAFF REVIEW - STATE OFFICE

95-7883

1. 3d Member Name vs. Signature
2. W Source
3. ✓ Point of Diversion
4. ✓ Amnt. & Period of Use
5. ✓ Descrip. of Diverting Wrks.
6. 5 Time req. for Proof of B/U
7. ✓ Place of Use for other than irrig.
8. ✓ Place of Use for irrigation (add acres)
9. A Property Owner at Pt. of Div. & Pl. of Use
10. ✓ Map
11. 45 Fee & Rec't. No.

## Copies Sent To:

yes Idaho Health Department      NO U.S.F.S.  
NO Idaho Fish & Game Dept.      ✓ Dept. of Lands  
✓ Bureau of Land Management      ✓ Other

Dam Safety Information N/A (Goes to Permit Section)

## Check:

Critical G.W. Area yes ✓ no

Other rights on same land None plotted - location of land irrigated under

lies 95-2150 is 39ac NENE, 39ac NWNE, 40ac SWNE, 20ac NENU, 38ac SENW, S.32 T52N R4W  
- No overlap - same P.D.

Withdrawals of all protests received yes no

4/21/79

## Conditions:

ID Power Co. Letter - Snake R. NO

ID Power Co. Letter - G.W. & Tribs. NO

Snake River Condition NO

Payette River Letter NO

Priority Date 12-14-78

Water Quality #16 NO

Water Quality #10 NO

intrastate NO interstate NO

Meas. Dev. or Sc. Meas. yes

Totalizing meter NO

Supplemental NO

Right-of-Way Cond. NO

Watermaster Cond. NO

Wtr. Dist No. NO

Meas. Dev. Cond. for apps within a Water Dist. NO

Jini Reviewer

1/29/79 Date

RECEIVED

DEPARTMENT OF WATER RESOURCES  
- STAFF ANALYSIS -

Item Initial Date

Application No. Singer 95-7883

☒ Source  
☒ Point of Diversion  
☒ County  
☒ Quantity of Water and Period of Use  
☒ Description of Diverting Works  
☒ Time required for B/U of water  
☒ Place of Use or Acres Irrigated  
☒ Map  
☒ Signature  
☒ Fee

(1) SK 12-15-78

In form to receipt

(2) \_\_\_\_\_

Send Copies to:

\_\_\_\_\_ Idaho State Health Department  
\_\_\_\_\_ Idaho Fish and Game Department  
\_\_\_\_\_ Bureau of Land Management

(3) SK 12-15-78

☒ Panhandle Health  
\_\_\_\_\_ Request Special Use Permit from U.S.F.S.  
\_\_\_\_\_ Request Easement from B.L.M.  
\_\_\_\_\_ Request Information from Applicant  
\_\_\_\_\_ Request Dam Safety Information

(4) SK 12-15-78

In form for advertising

(5) \_\_\_\_\_

Platted on Map No. \_\_\_\_\_

(6) \_\_\_\_\_

Located within Water District No. \_\_\_\_\_

(7) \_\_\_\_\_

Critical groundwater area: yes \_\_\_\_\_ no ☒

(8) \_\_\_\_\_

Groundwater levels:

\_\_\_\_\_ Declining, ☒ Stable, \_\_\_\_\_ Increasing  
(comment) \_\_\_\_\_

(9) \_\_\_\_\_

Other rights on the same place of use

(10) \_\_\_\_\_

Comments: \_\_\_\_\_

(11) SK 1/11/79

Affidavit of Publication received(date) 1/4/79

(12) \_\_\_\_\_

Final date for protests January 15, 1979  
Protests received: yes \_\_\_\_\_ no ☒

(13) \_\_\_\_\_

All requested information received from agencies or  
applicant: yes ☒ no \_\_\_\_\_

(14) \_\_\_\_\_

Action recommended:

☒ Approve \_\_\_\_\_ Deny

**RECEIVED**  
JAN 26 1979

Department of Water Resources

2-14-79 Proposed Priority

\_\_\_\_\_ Reason for Reduction \_\_\_\_\_

☒ Measuring device required

\_\_\_\_\_ See attached sheet for other conditions of  
approval

\_\_\_\_\_ No special conditions for approval

(15) District Northern

By Bob Haynes Date 1-22-79

95-2883-

SINGER RANCH WATER ASSOCIATION

C/O HERB SINGER, RT 3, BOX 341, RATHDRUM, ID 83858

Source: GROUNDWATER

Date Filed: 12/14/1978

Amount: 2.00 CFS

Diversion Point: SWNE Sec 32 T 52N R 04W, KOOTENAI Co.

|               |            |                     |
|---------------|------------|---------------------|
| Use: DOMESTIC | (1.00 CFS) | from 01/01 to 12/31 |
| IRRIGATION    | (1.00 CFS) | from 05/01 to 11/01 |

Place of Use: NENE NWNE SWNE SENE NENW SENW Sec 32 T 52N R 04W SENE NENW  
Sec 32 T 52N R 04W FOR 60 ACRES

Diversion Means: WELL AND PUMP

MICROFILMED



**STATE OF IDAHO**  
**DEPARTMENT OF WATER RESOURCES**  
*NORTHERN REGION*

John V. Evans  
Governor

C. Stephen Allred  
Director

Suite No. 1  
4055 Government Way  
Coeur d'Alene, Idaho 83814  
(208) 667-6484

December 21, 1978

Mr. David Johann  
Department of Health & Welfare  
Division of Environment  
2110 Ironwood Parkway  
Coeur d'Alene, Idaho 83814

Re: 95-7883 and 92-7046

Dear Mr. Johann:

Enclosed is information which may be of interest to your Agency relating to an application recently filed with the Department of Water Resources.

Very truly yours,

ROBERT G. HAYNES, P.E.  
Regional Manager

RGH/pms

Enclosure

RECEIVED  
DEC 21 1978  
FBI - COEUR D'ALENE