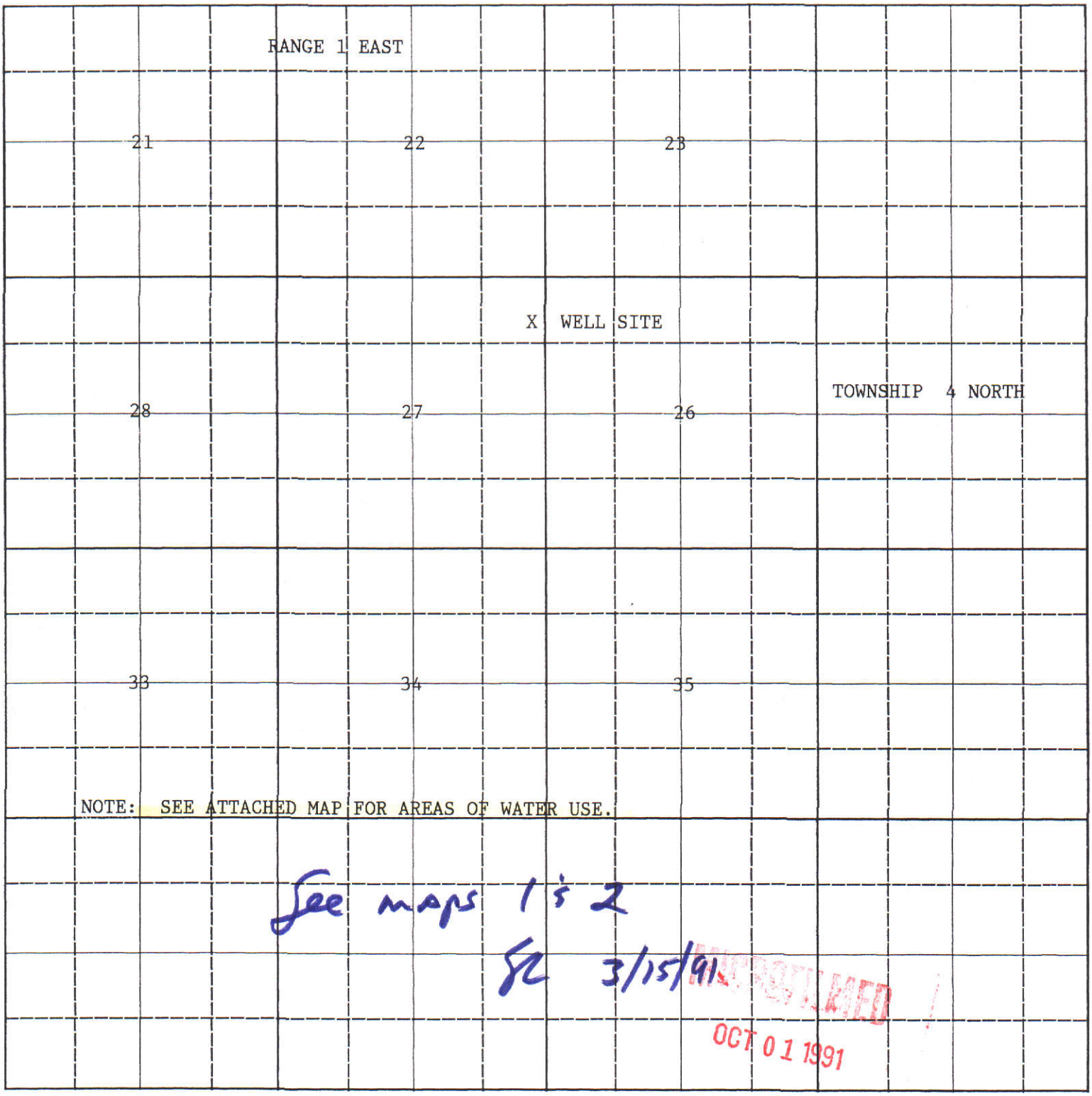
13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



See maps 1 & 2

SC 3/15/91

APPROVED

OCT 01 1991

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.

GARDEN CITY, IDAHO

Carlyle W. Briggs, P.E. (Applicant) Carlyle W Briggs Garden City Engineer

10-5-90 Friday

63-11487
MAP 1 of 2

PLN BOUNDARY

T4N

R1E

R2E

Well is ≈ 3/4 mile from river

PLACE OF USE BOUNDARY FOR 4,290 ACRES

Section CORNER

P/D = Joplin Well No. 10

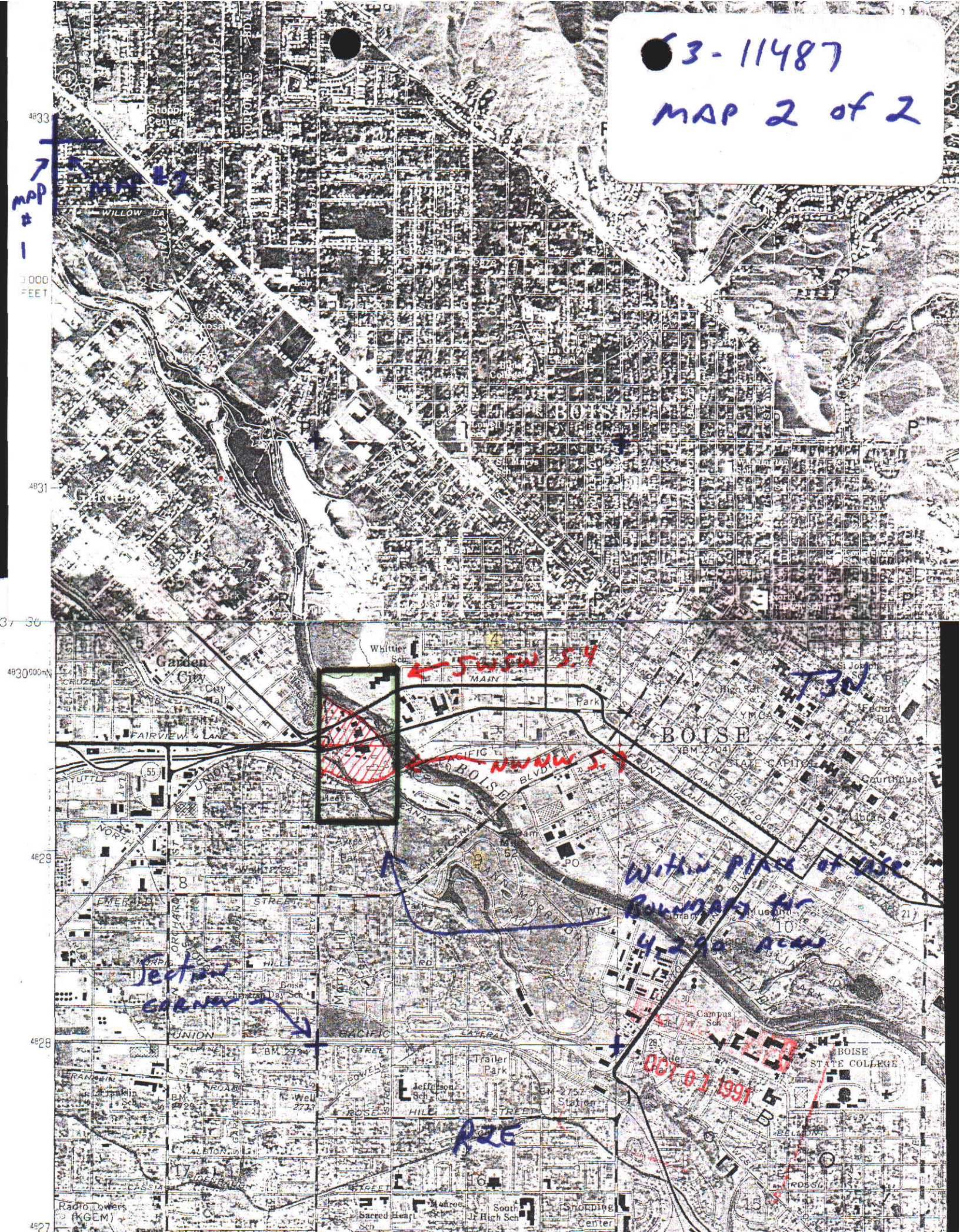
MAPS 1 & 2 proposed 10/23/90 based on applicant's land list.

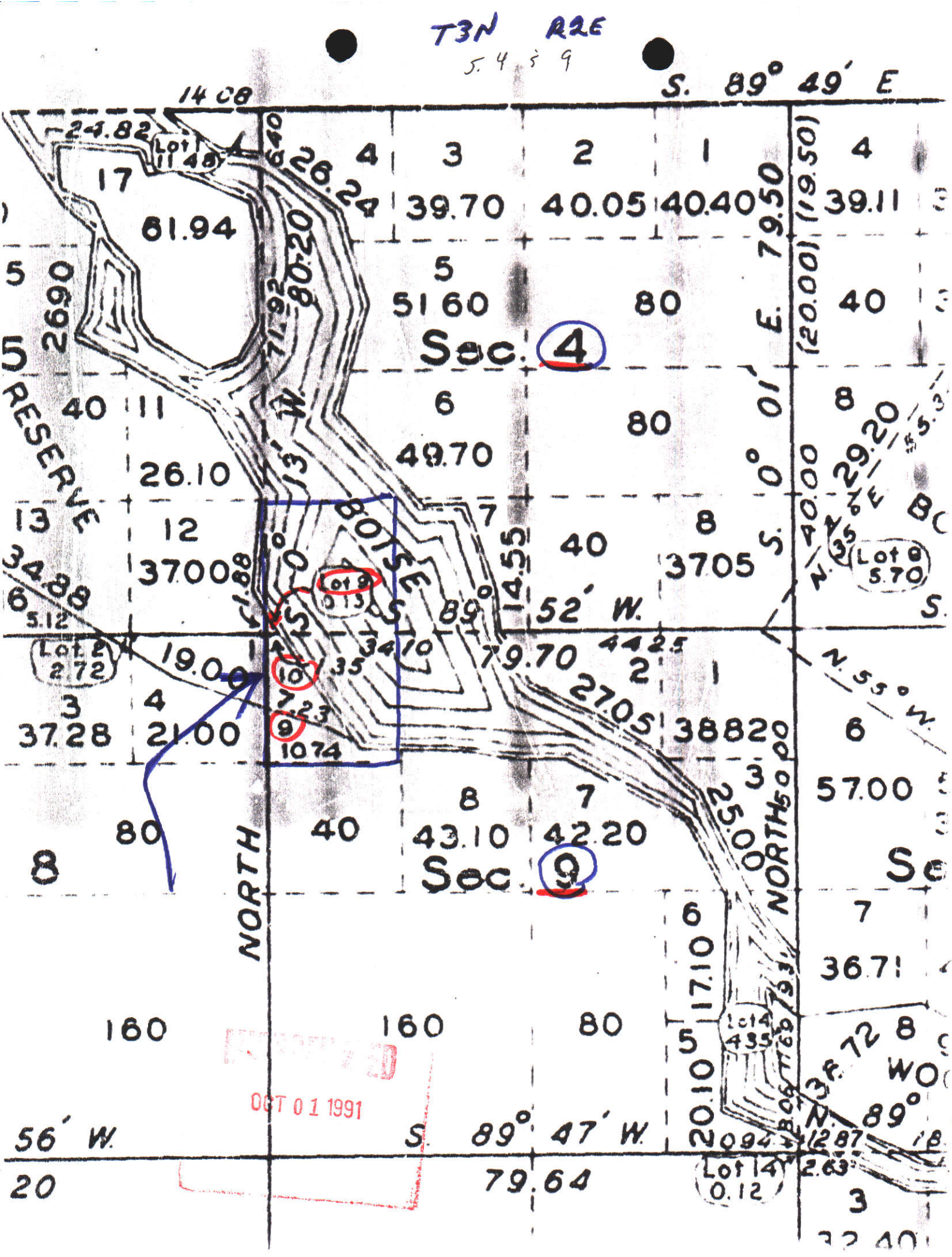
P/N continued on MAP #2

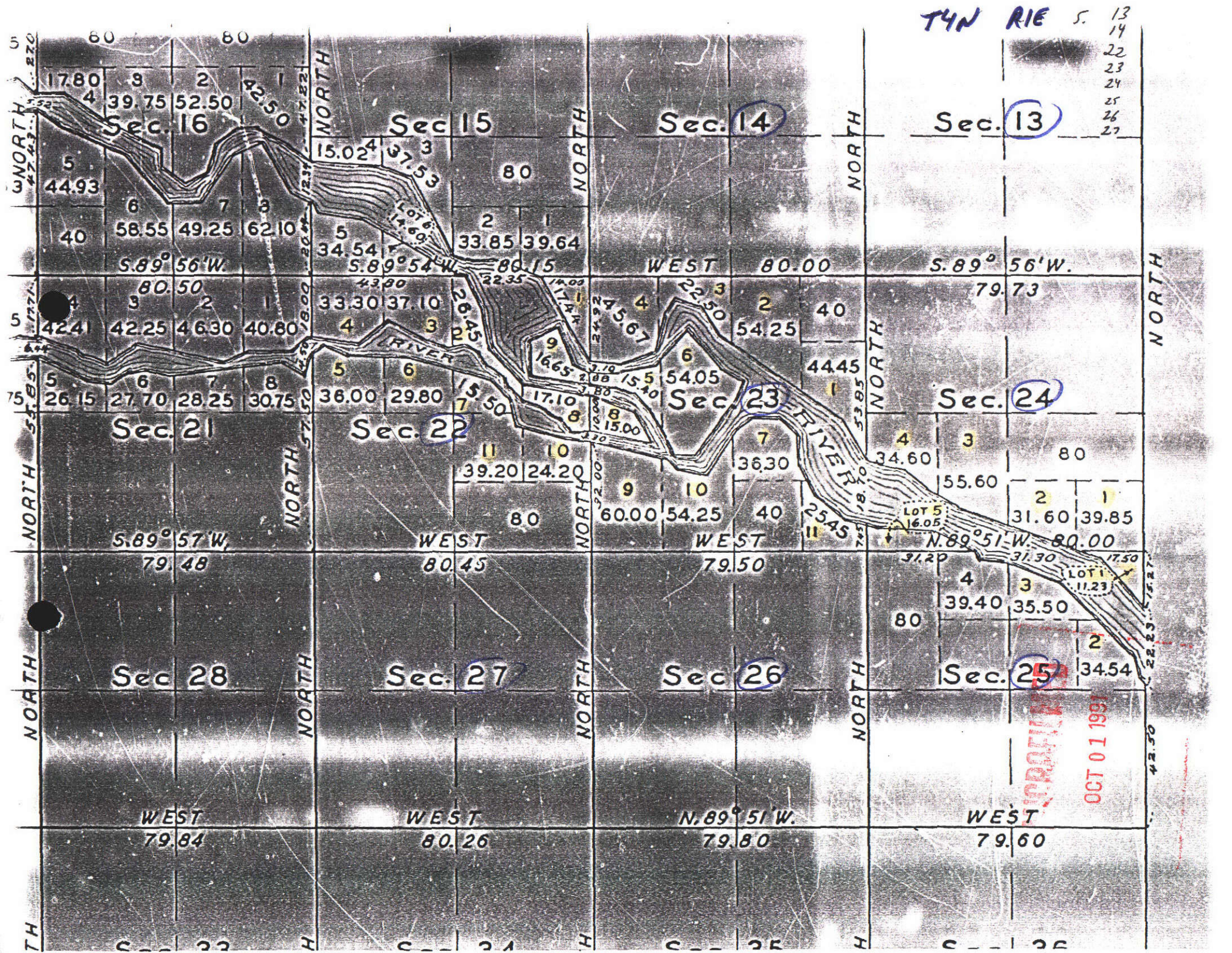
MAP #1

MAP #2

RECEIVED
OCT 01 1991

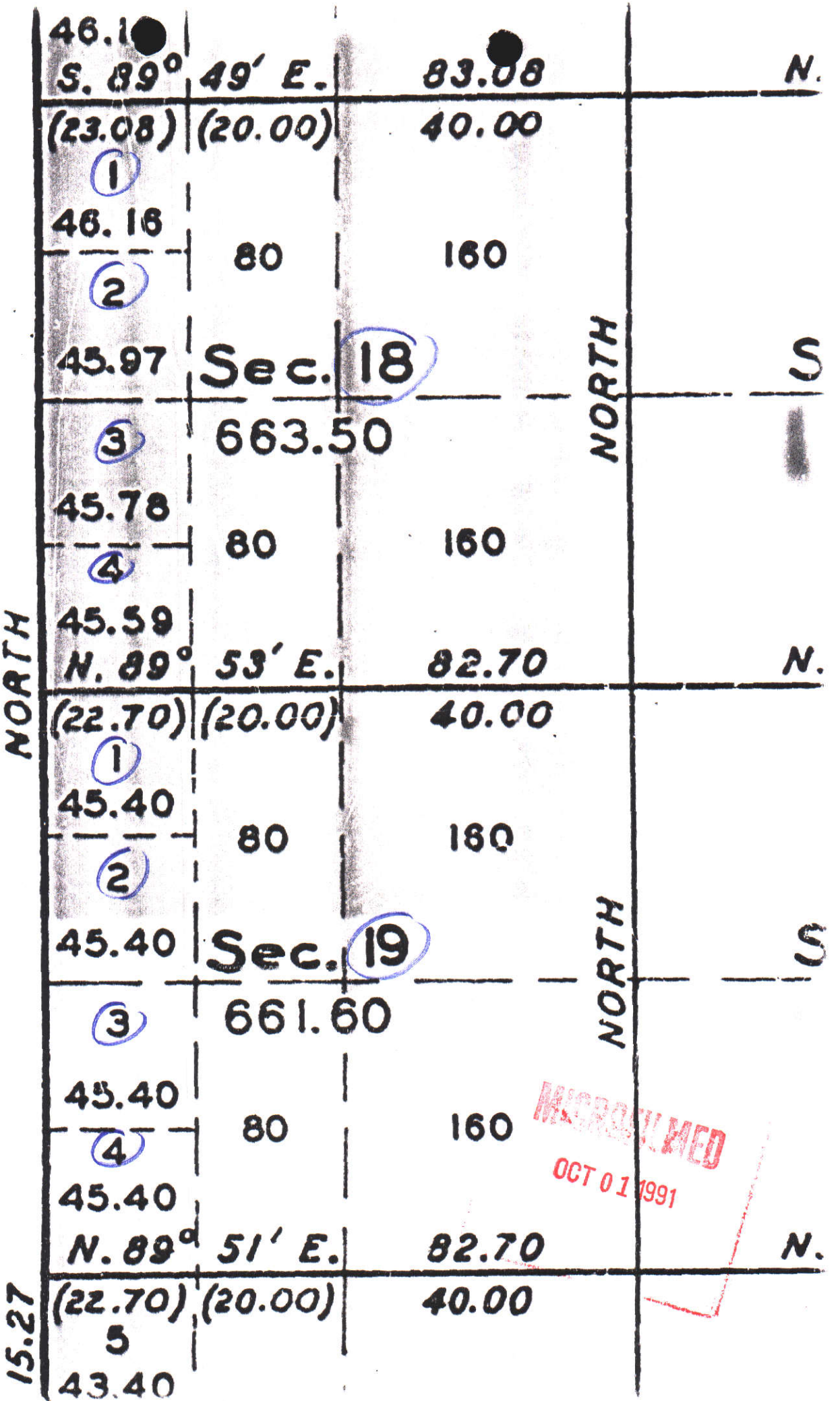

63-11487
MAP 2 of 2
map #2
map #1
WILLOW LN
Shopping Center
BOISE
Garden City
City Hall
Whittier Sch
MAIN
Park
FAIRVIEW
BOISE
YMCA
Federal Bldg
STATE CAPITOL
Courthouse
Library
PACIFIC
BOISE
BLVD
FRONT
STATE
UNION
NORTH
PO
Museum
EMERALD
STREET
Boise Christian Day Sch
Morris Hill Cem
ORCHARD
UNION PACIFIC
LATERAL
Campus Sch
BOISE STATE COLLEGE
Trailer Park
Jefferson Sch
BM 2757
Station
ROSE HILL
ROAD
Franklin Sch
BM 2729
Well
2737
ALBION
CASSIA
Radio Towers (KGEM)
Sacred Heart Sch
Monroe Sch
South Jr High Sch
Shopping Center
BELMONT
CROSS
RIDGE
4833
4831
4830 000mN
4829
4828
4827
37
36
5
4
3
8
9
10
17
16
15
21
55
52
R2E
T3N
5 mi SW 5.4
NW 5.7
Section Corner
Within Block of Section Corners for 4720 acres
OCT 01 1991


T3N R2E
5 4 5 9
S. 89° 49' E
14 08
Lot 1 11.48
17
61.94
24.82
26.24
39.70
40.05
40.40
39.11
(19.50)
(20.00)
79.50
E.
5
2690
5
RESERVE
40
11
26.10
49.70
80
40
8
29.20
N. 35° E
Lot 8 5.70
13
12
37.00
7
40
8
37.05
S. 0° 01'
40.00
34.88
6
5.12
Lot 2 2.72
19.00
1
10
9
10.74
7.23
34.10
S. 89° 52' W.
14.55
79.70
4425
2
1
27.05
38.82
N. 55° W.
3
4
37.28
21.00
6
57.00
8
80
40
43.10
42.20
Sec. 9
NORTH
25.00
NORTH
3
7
36.71
160
160
80
17.10
6
5
20.10
Lot 4 4.35
79.31
3.72
N. 89°
20.94
12.87
2.63
Lot 4 0.12
RECEIVED
OCT 0 1 1991
56' W.
S. 89° 47' W.
20
79.64
3
32.40

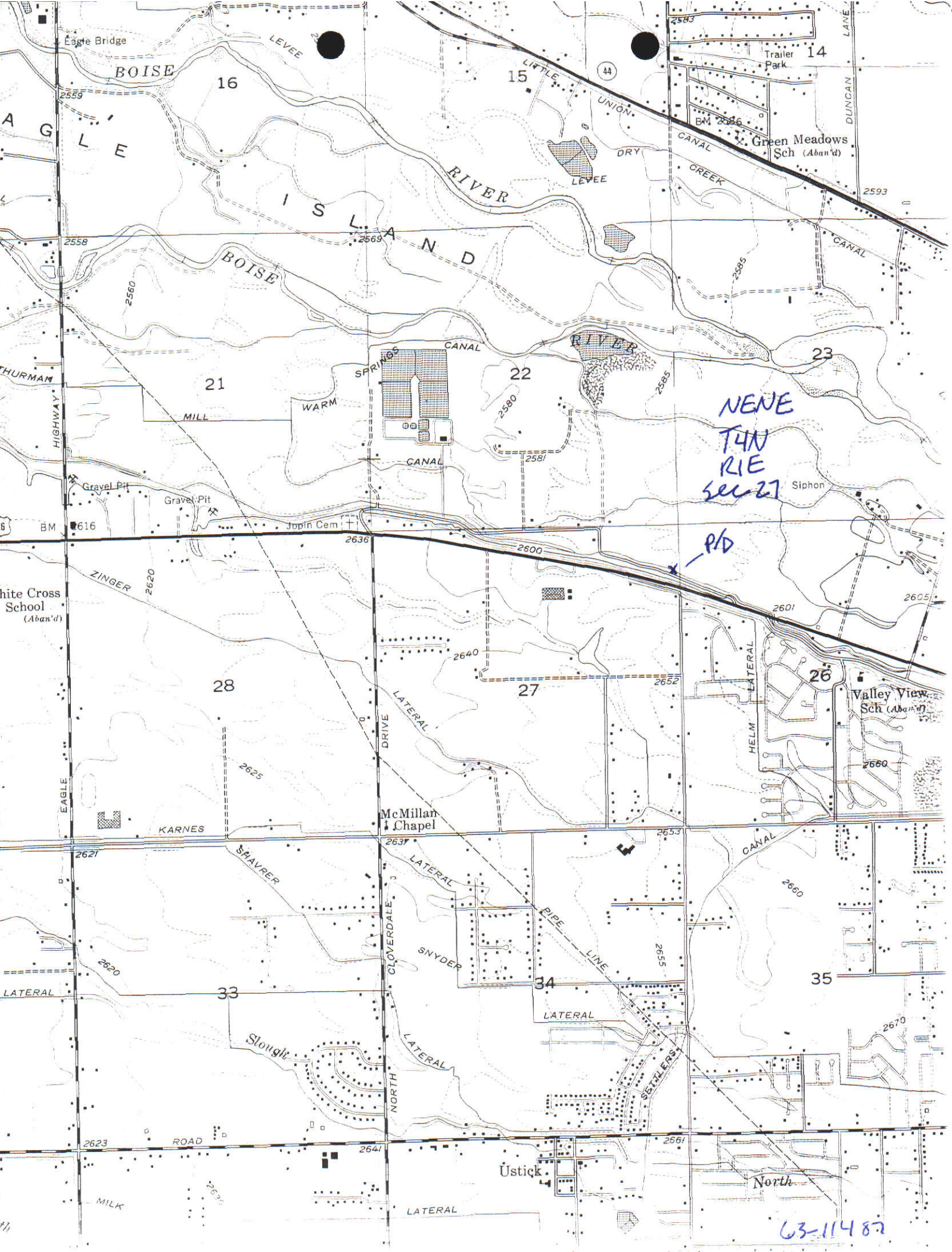

T4N RIE
Sec. 16
Sec 15
Sec. 14
Sec. 13
Sec. 21
Sec. 22
Sec. 23
Sec. 24
Sec 28
Sec. 27
Sec 26
Sec. 25
NORTH
WEST
S. 89° 56'W.
79.73
S. 89° 57'W.
79.48
80.45
79.50
N. 89° 51'W.
80.00
79.84
80.26
79.80
79.60
RIVER
LOT 6
14.69
LOT 5
16.05
LOT 1
11.23
OCT 0 1 1991

T4N
R2E

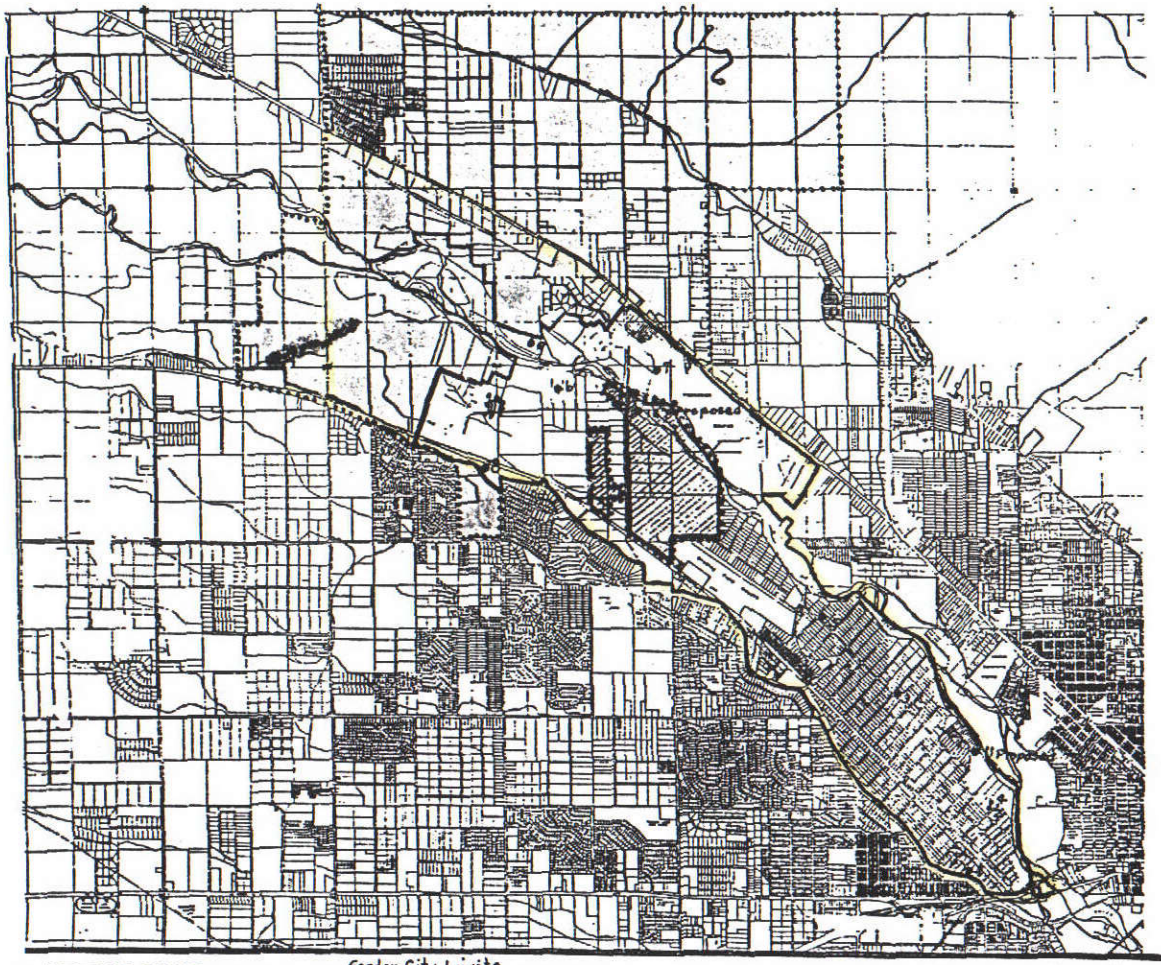
5.18 & 19



MICROFILMED
OCT 01 1991


Eagle Bridge
BOISE
LEVEE
16
15
LITTLE
UNION
CANAL
44
Trailer Park
14
LANE
DUNCAN
BM 2586
Green Meadows Sch (Aban'd)
DRY
CREEK
LEVEE
2593
2583
EAGLE
ISLAND
RIVER
2559
2558
2569
BOISE
2560
CANAL
2585
SPRINGS
CANAL
RIVER
23
THURMAN
21
22
WARM
MILL
2580
2581
HIGHWAY
CANAL
NENE
T4N
R1E
Sec 27
Siphon
Gravel Pit
Gravel Pit
BM 2616
Jopin Cem
2636
2600
P/D
ZINGER
2620
2601
2605
hite Cross School (Aban'd)
28
27
2640
2652
LATERAL
DRIVE
LATERAL
26
Valley View Sch (Aban'd)
HELM
2660
2625
EAGLE
McMillan Chapel
KARNES
2631
2653
2621
SHAVRER
LATERAL
CANAL
2660
PIPE
LINE
CLOVERDALE
SNYDER
2595
2620
LATERAL
33
34
35
LATERAL
2670
Slough
LATERAL
NORTH
SISTERS
2623
ROAD
2641
2661
Ustick
North
MILK
LATERAL
63-11487

GARDEN CITY SERVICE AREA
AS OF 12/12/96 (per Tom Meheil - mgr)



GARDEN CITY — Garden City Limits
..... Service Area Outside of Garden City Limits
●3 Well # No.
Areas Not Yet Annexed
Scale: 1"= ± 3,100'

CWB 10-10-90

Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 4-30-90

L8411-57

4 Stage Pump = 2500GPM @ 310' @ 84%

Date April 1994
Supersedes All previous catalog materials

CURVE data

Vertl-Line

No. Stages	Eff. Change	MATERIAL	BHP. Change
1	-4	IMP. - C.I.	-1
2	-2	IMP. - Ni-Al	-1
3	-1	BOWL - BRZ.	-2
4	0	BOWL - Ni-R.	-2

14RM-4 STAGE 1770 R.P.M.

SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 4 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 4 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

PUMP PERFORMANCE

ONE STAGE / 4 STAGES

K = 16.6
IMP. DIA.
A = 11.500
B = 10.000
C = 10.500

TOTAL HEAD-FEET: 140, 120, 100, 80, 60, 40

BRAKE HORSEPOWER: 60, 40

N.P.S.H. REQUIRED - FEET: 30, 20, 10

75, 80, 82, 85, 84, 80, 75, 62

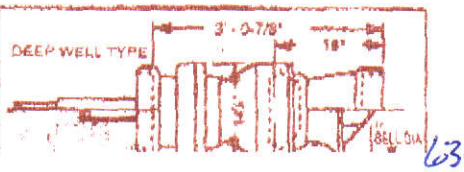
A, B, C

0 400 600 1200 1600 2000 2400 2800

CAPACITY - U.S. G.P.M.

EYE AREA - SQ. IN.	= 81.8	IMPELLER WT. - LBS.	= 26
WR² PER IMPELLER LB.-FT.²	= 3.15	ONE STAGE WT. - LBS.	= 700
MAX. NO. BTP. STAGES	= 6	ADDL. STAGE WT. - LBS.	= 255
MAX. OPERATING - P.S.I.	= 400	DISCH. - IN.	= 12
STD. LATERAL - IN.	= 9.700	SUCTION - IN.	= 10
STD. SHAFT DIA. - IN.	= 2.188	BOWL CONN.	FLANGED-COLLEY

DEEP WELL TYPE



63-11487

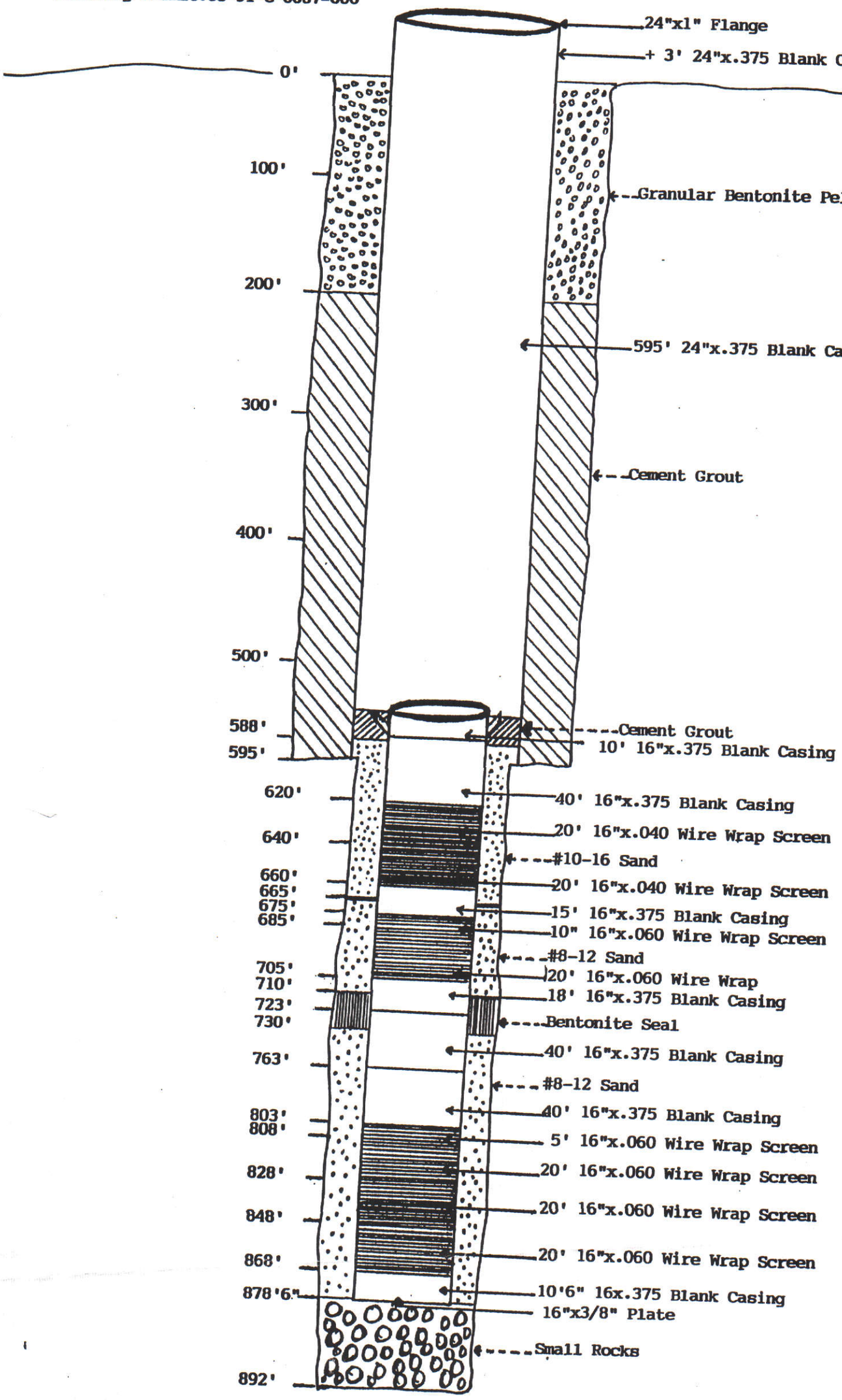


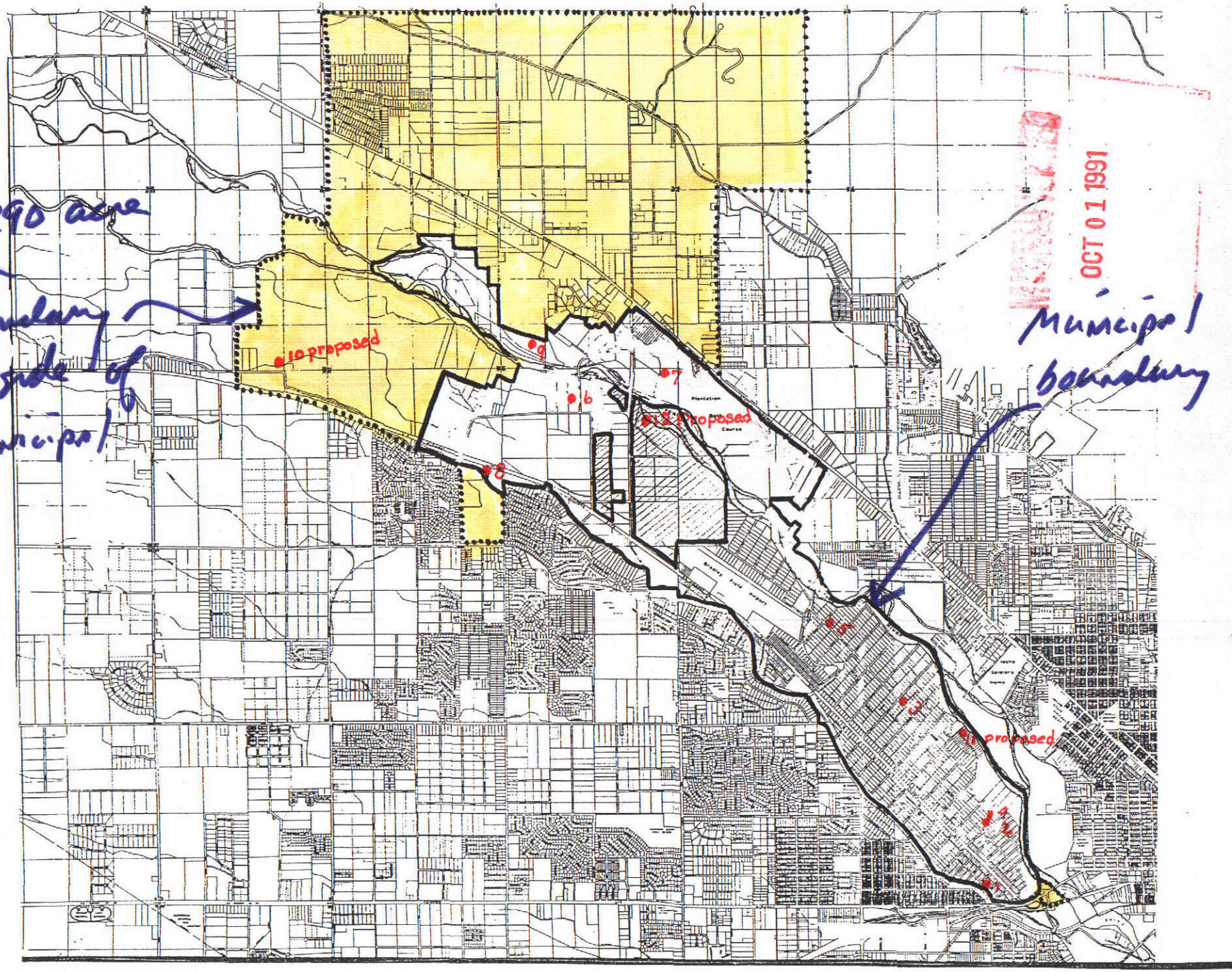
P/D

63-11487

Garden City
201 E. 50TH
Garden City, ID 83714
Drilling Permit:63-91-C-0087-000

Joplin Well #10





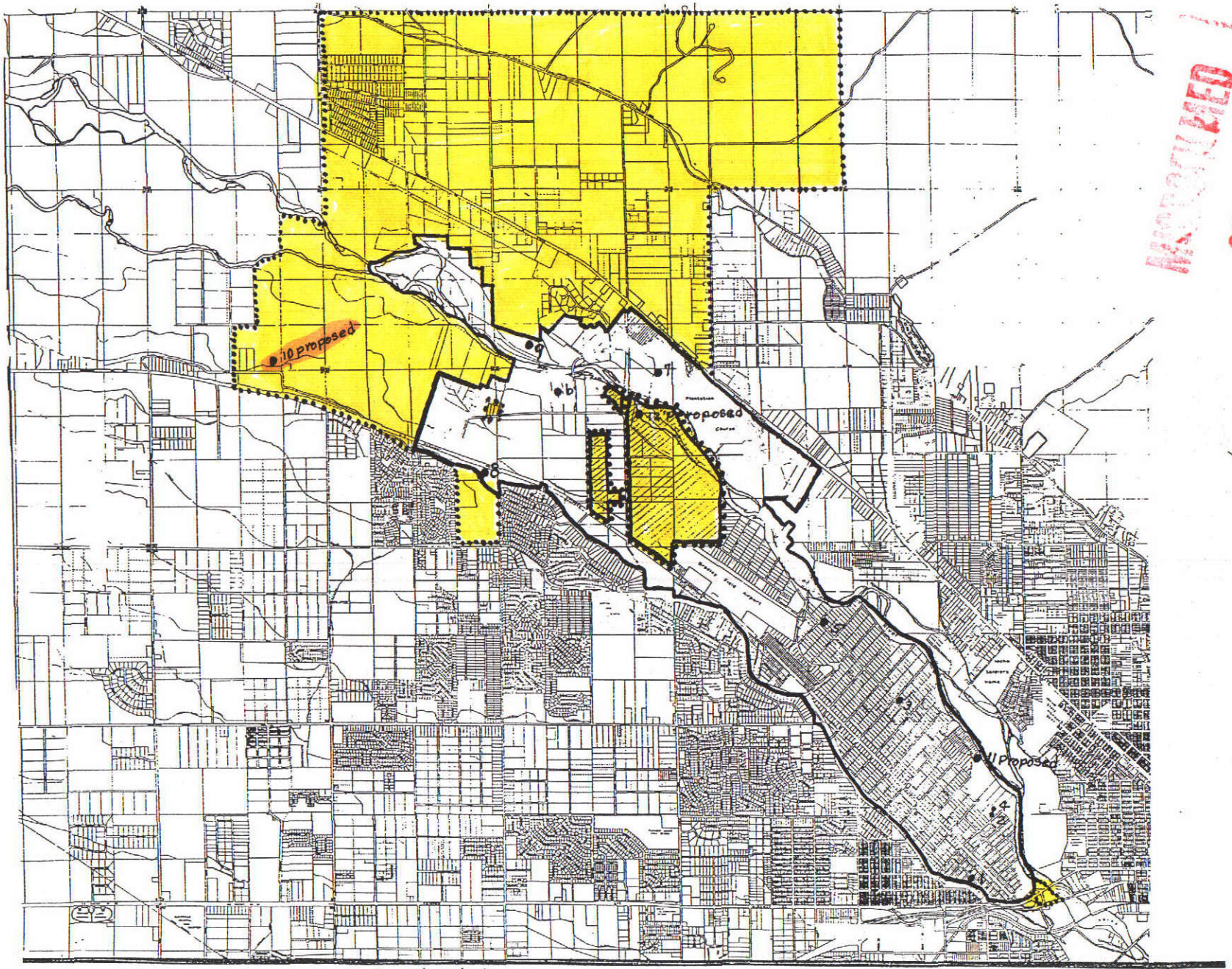
GARDEN CITY

Areas Not Yet Annexed

CCB 10-4-90 Thurs.

Scale: 1"= ± 3,100'

Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 4-30-90



GARDEN CITY

Garden City Limits

Service Area Outside of Garden City Limits

3 Well & No.

Areas Not Yet Annexed

Scale: 1"= ± 3,100'

CWB 10-10-90

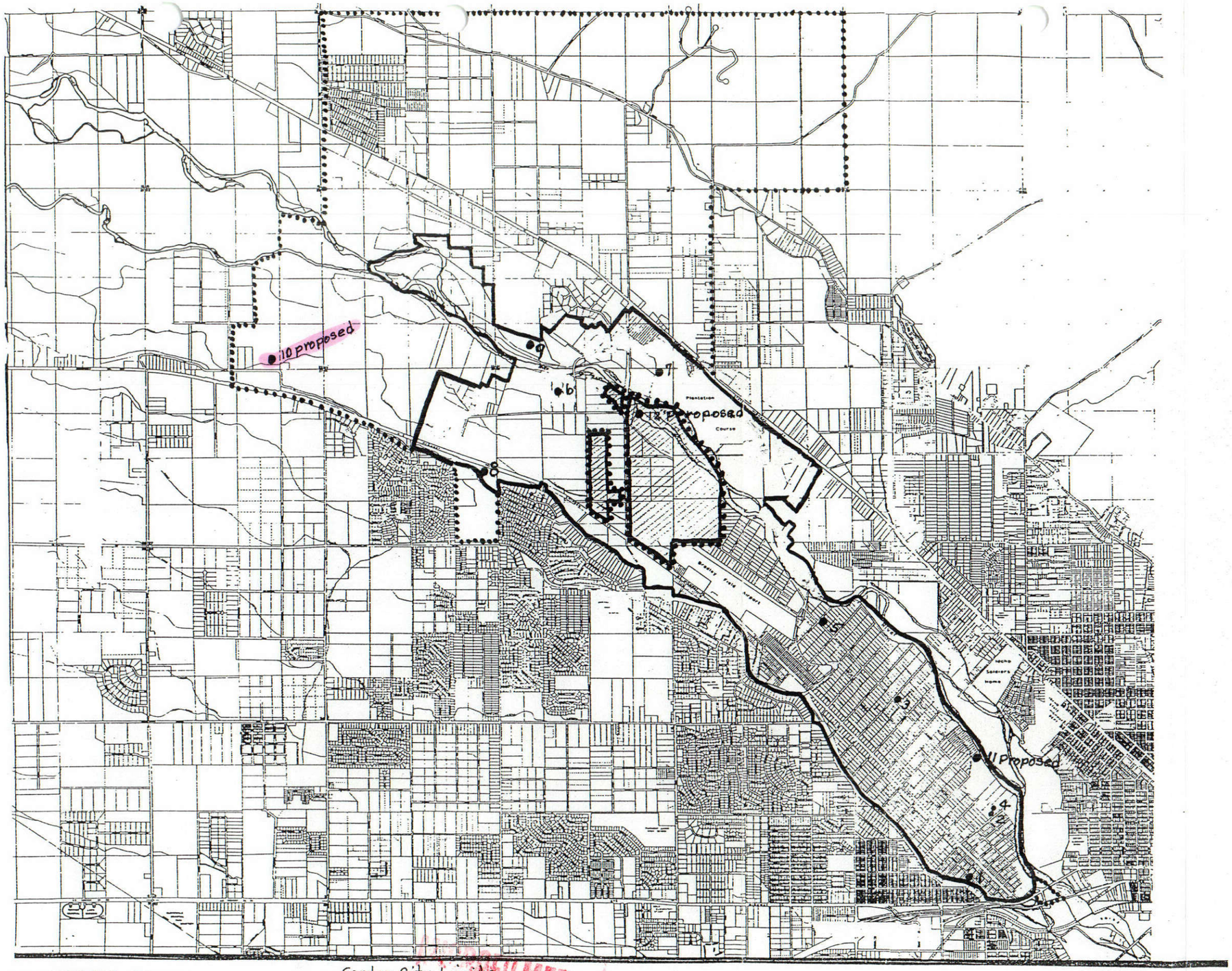
Garden City, Idaho

Annexation Ord. 537

Approved:

Published: 4-30-90

ANNEXATION OCT 01 1991



GARDEN CITY

Garden City Limits
Service Area Outside of Garden City Limits
● 3 Well & No.

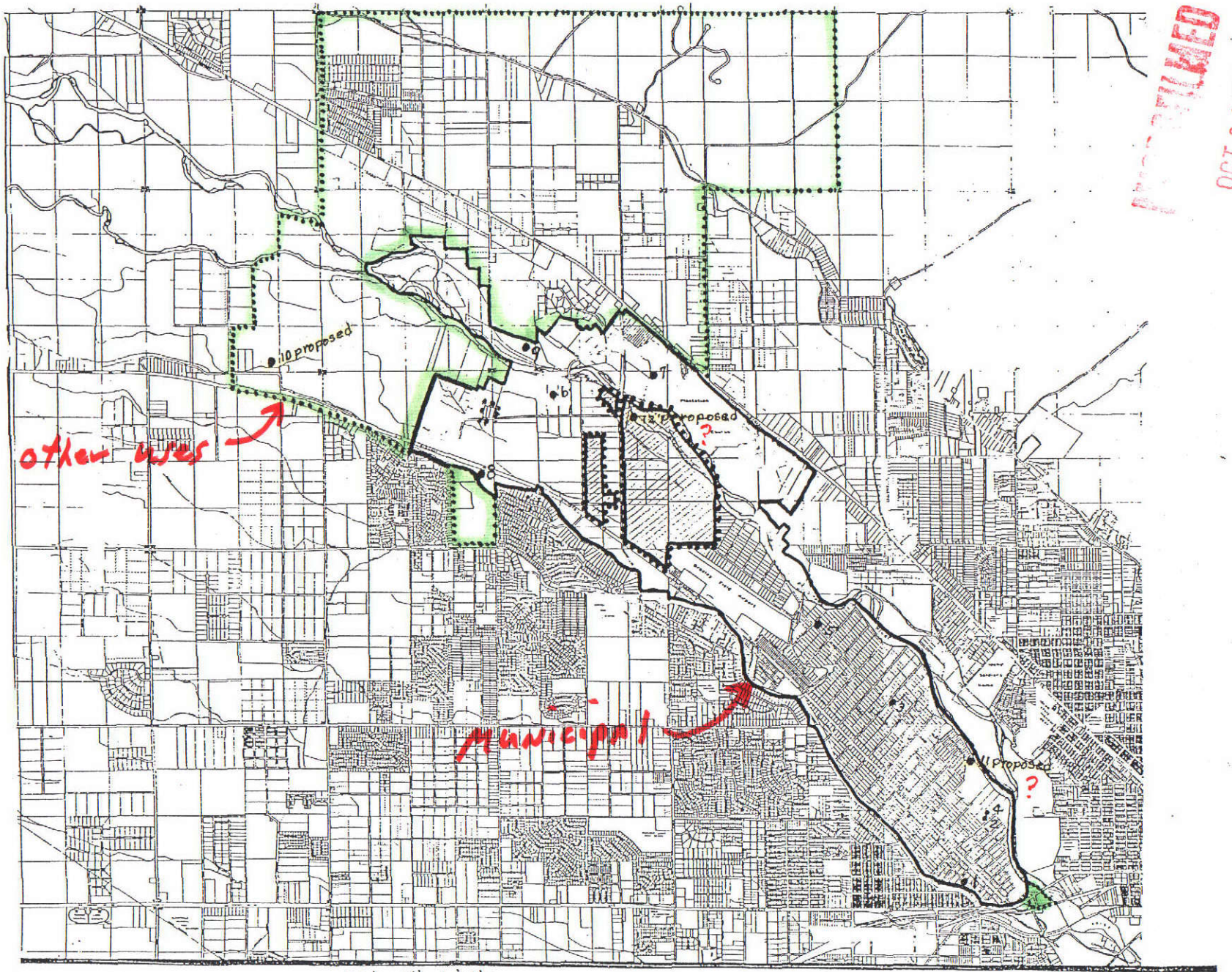
Areas Not Yet Annexed

Scale: 1"= ± 3,100'

APPROVED
OCT 01 1991

Garden City, Idaho

Annexation Ord. 537
Approved:
Published: 4-30-90



GARDEN CITY

Garden City Limits

Service Area Outside of Garden City Limits

● 3 Well & No.

Areas Not Yet Annexed

Scale: 1"= ± 3,100'

CWB 10-10-90

Garden City, Idaho

Annexation Ord. 537

Approved:

Published: 4-30-90

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FIG. 1

Topographic Location Map

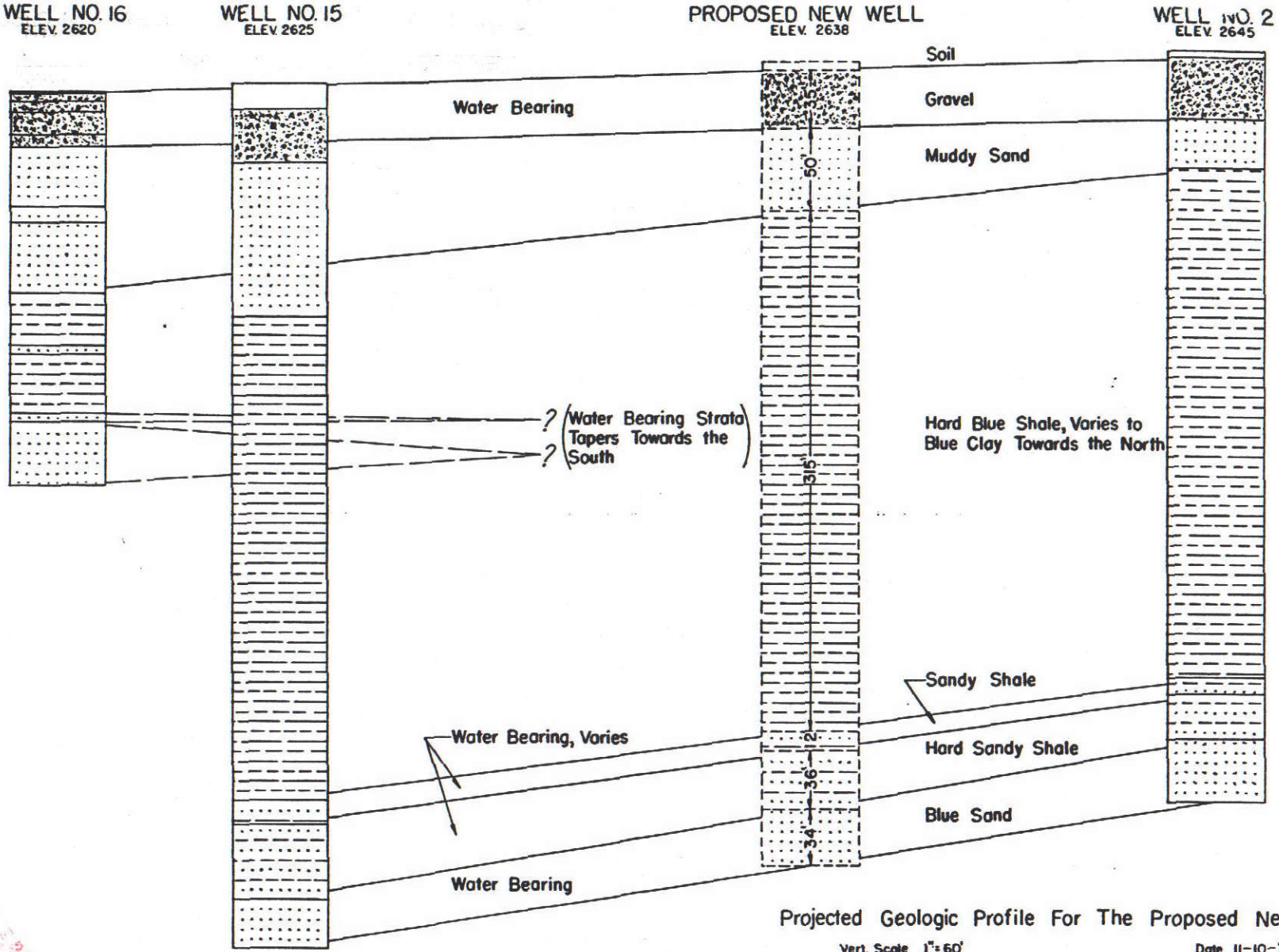
Taken from USGS, 7½ minute quadrangle maps (1954)

Scale 1"=2,000'

52

Date 11-11-73

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OCT 01 1991



Projected Geologic Profile For The Proposed New Well

Vert. Scale 1"=60'

Date 11-10-73

Plate I

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OCT 01 1991

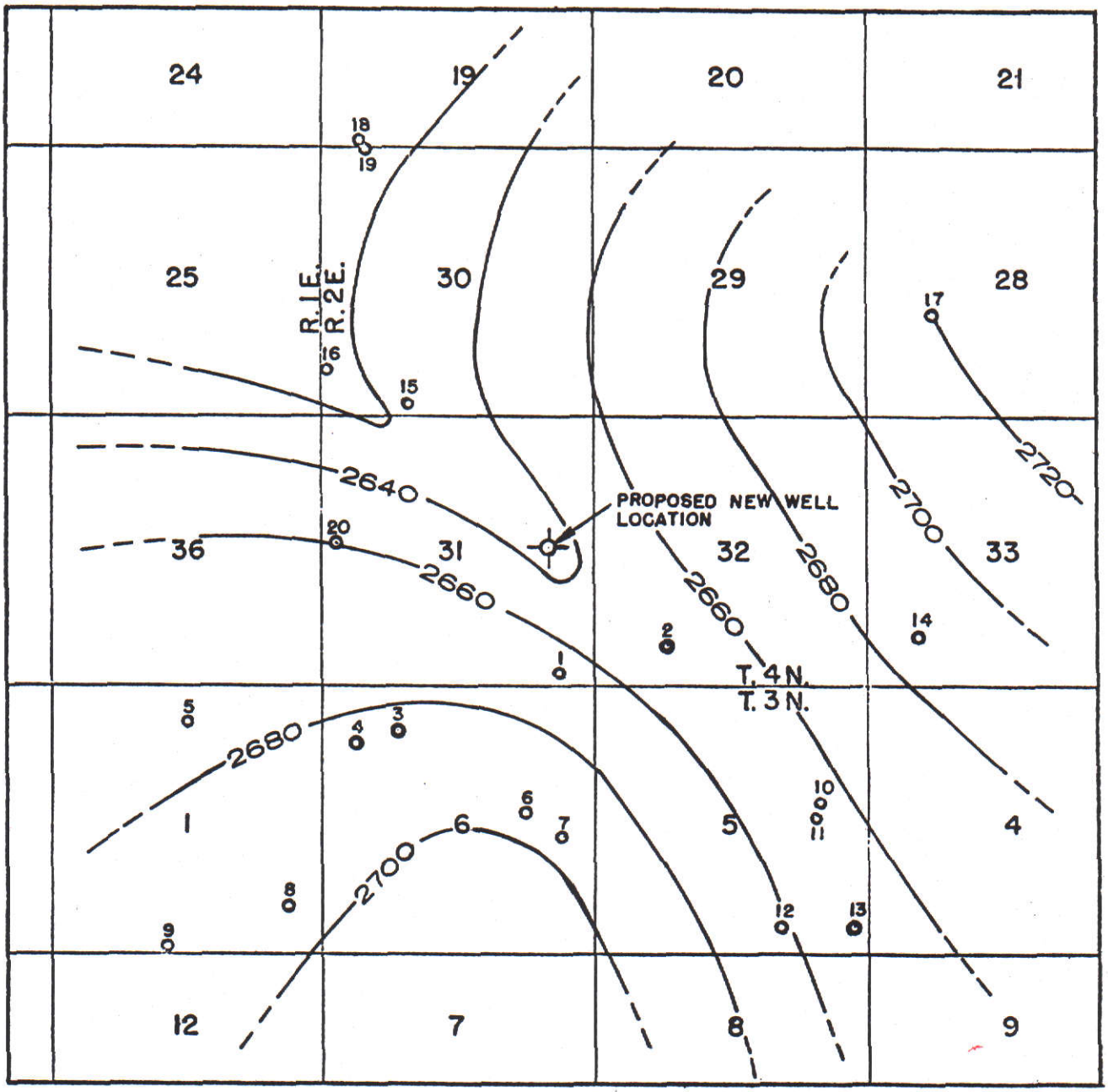


FIG. 2

Piezometric Surface Contour Map

Contour Interval 20 Feet

APPROVED
OCT 01 1991

Scale 1" = 0.6 mi. Date 11-10-73

——2660—— Elev. of contour above mean sea level (Elev. datum from USGS)

4 / 0 Indicates well number and location (see table I. for well details)

2 – Section number

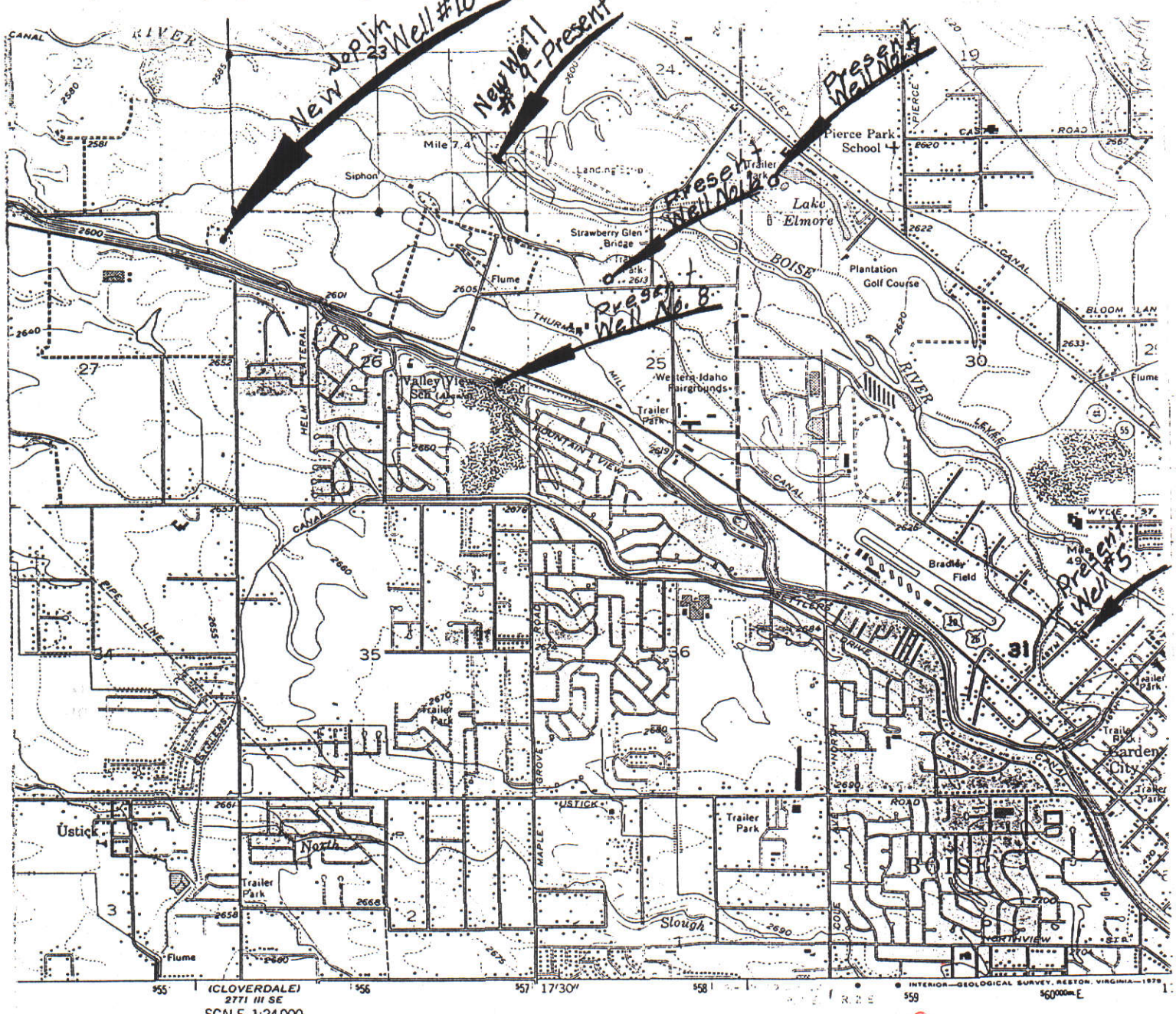
Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

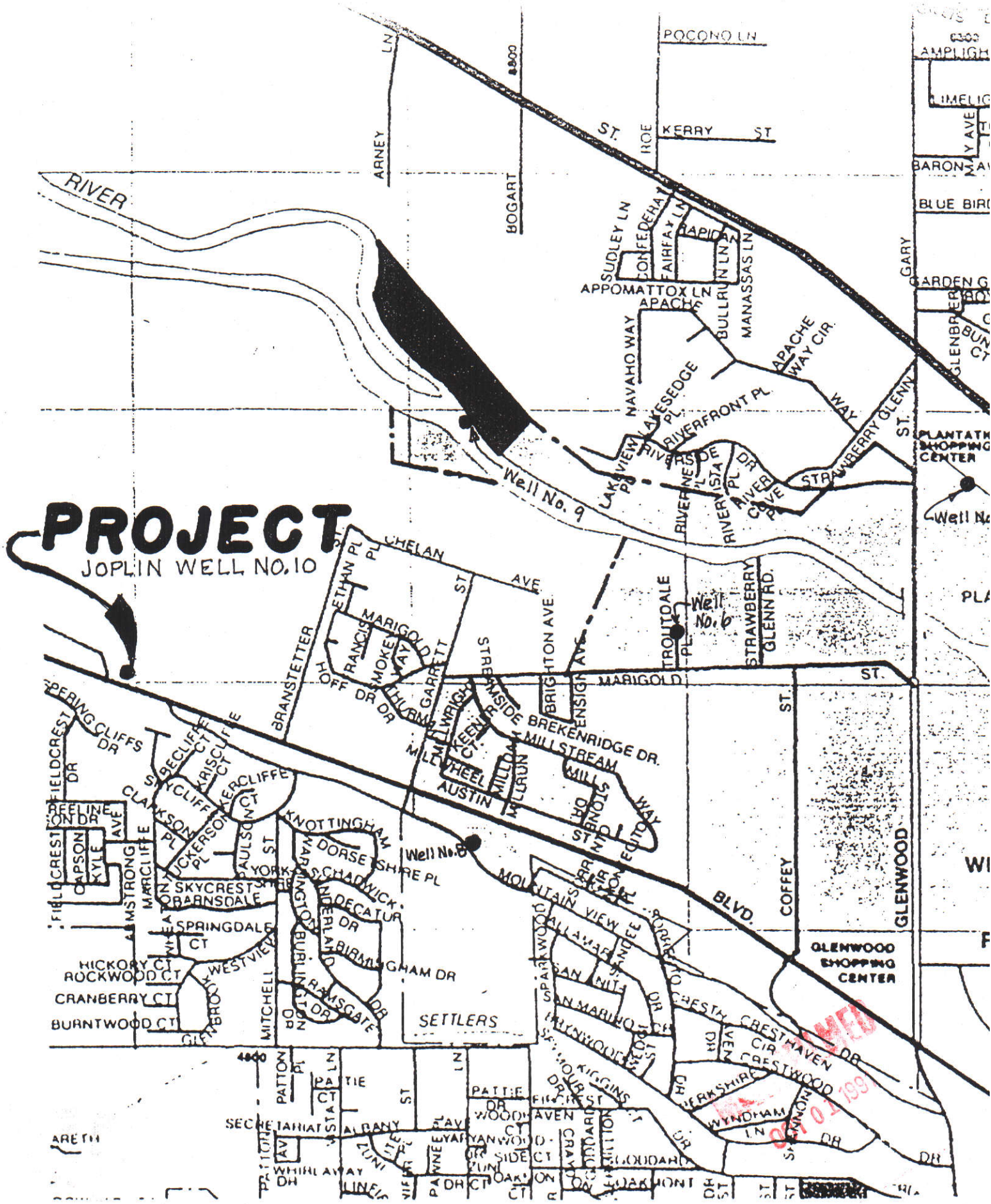
A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.



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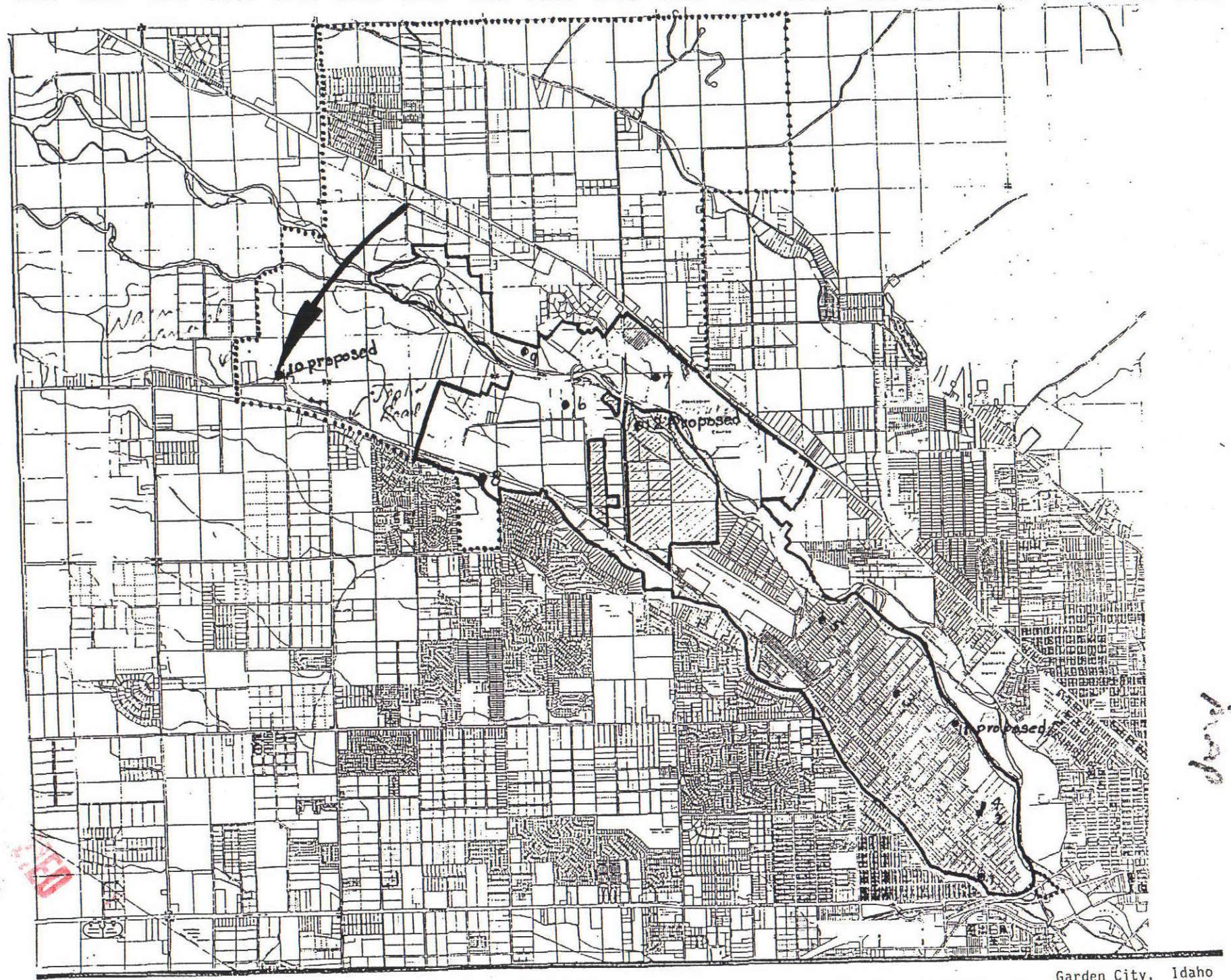
60

SCALE: 2 inches equal 1 mile. Draw plan in ink.



VICINITY MAP

61



62

GARDEN CITY

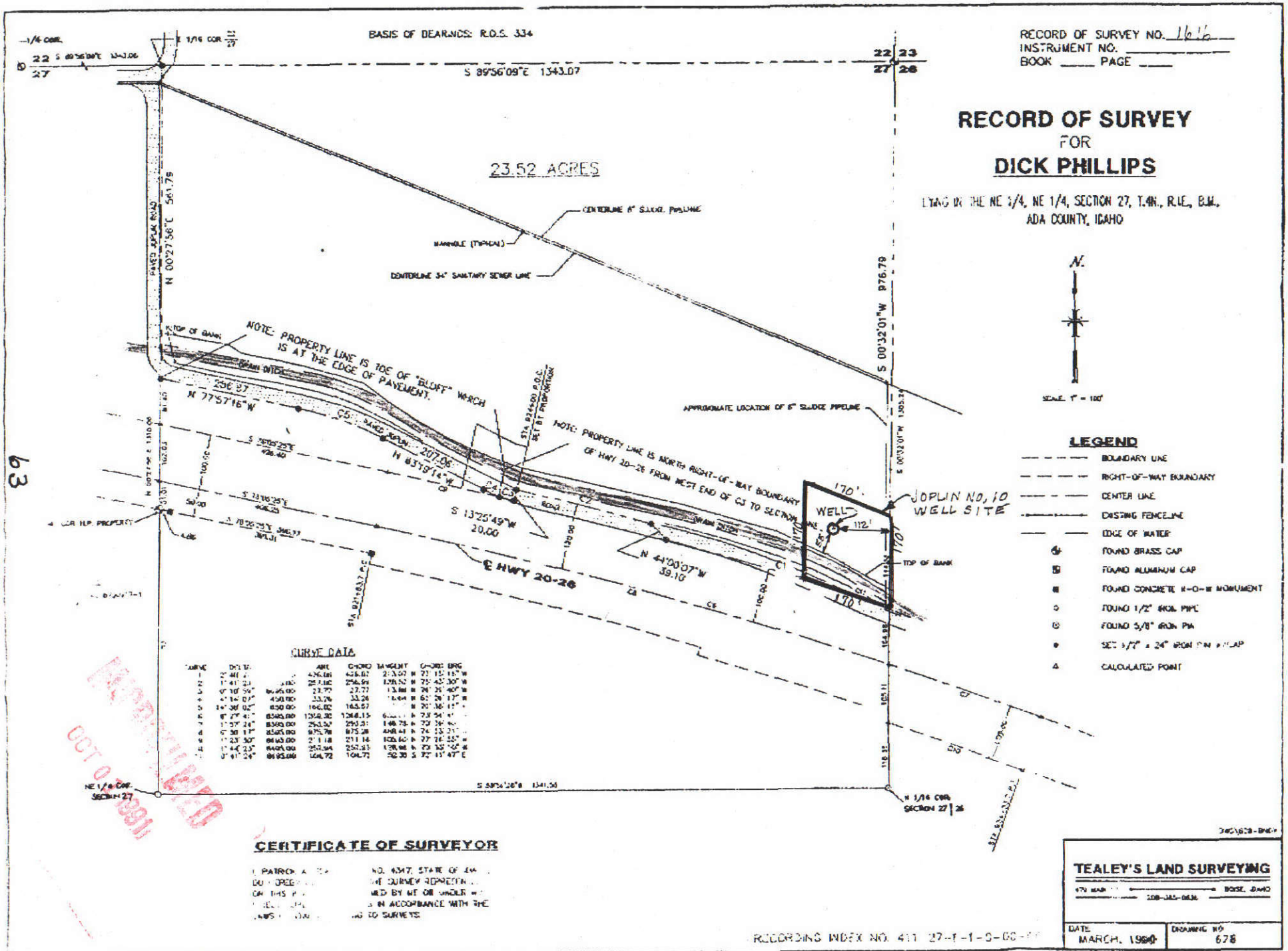
Areas Not Yet Annexed

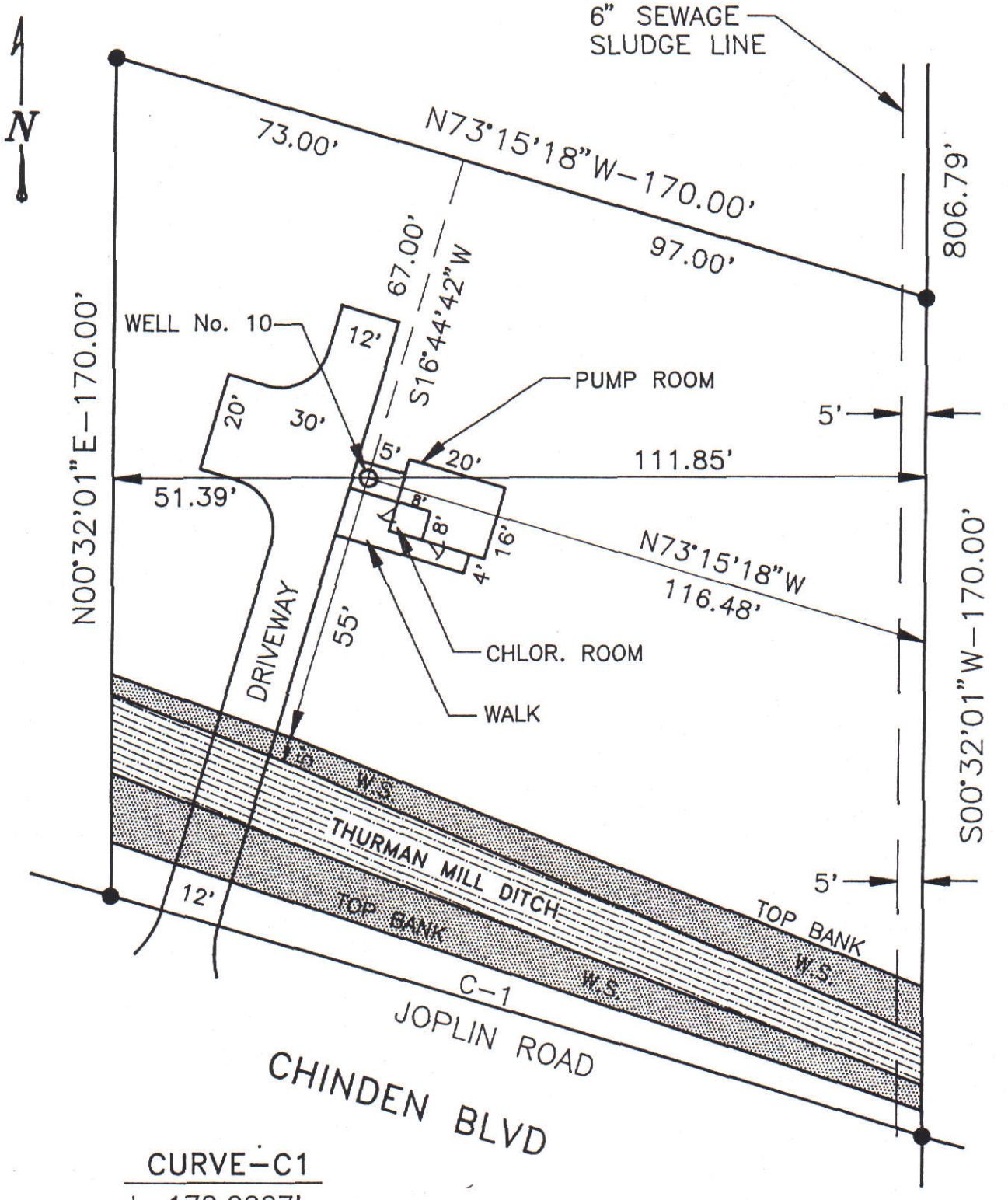
UNB 10-4-90 Thurs.

Scale: 1"= ± 3,100'

Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 4-30-9-

OCT 01 1991


BASIS OF BEARINGS: R.O.S. 334
S 89°56'09"E 1343.07
RECORD OF SURVEY NO. 1616
INSTRUMENT NO. _____
BOOK ____ PAGE ____
RECORD OF SURVEY
FOR
DICK PHILLIPS
LYING IN THE NE 1/4, NE 1/4, SECTION 27, T.4N., R.1E., B.M.,
ADA COUNTY, IDAHO
23.52 ACRES
CENTERLINE 6" SLUDGE PIPELINE
MANHOLE (TYPICAL)
CENTERLINE 24" SANITARY SEWER LINE
PAVED JOPLIN ROAD
N 00°27'56"E 561.75
S 00°32'01"W 876.79
TOP OF BANK
NOTE: PROPERTY LINE IS TOE OF "BLUFF" WHICH IS AT THE EDGE OF PAVEMENT.
DRAIN DITCH
256.97
N 77°57'16"W
C5
SAND SPUN 207.06
N 83°19'14"W
STA 824+00 P.O.C. SET BY PROPORTION
NOTE: PROPERTY LINE IS NORTH RIGHT-OF-WAY BOUNDARY OF HWY 20-26 FROM WEST END OF C3 TO SECTION
APPROXIMATE LOCATION OF 6" SLUDGE PIPELINE
S 13°25'49"W
20.00
N 44°00'07"W
39.10
℄ HWY 20-26
JOPLIN NO. 10
WELL SITE
WELL
170'
112'
TOP OF BANK
CURVE DATA
NE 1/4 COR. SECTION 27
N 1/16 COR. SECTION 27 | 26
S 89°56'28"E 1341.56
LEGEND
BOUNDARY LINE
RIGHT-OF-WAY BOUNDARY
CENTER LINE
EXISTING FENCELINE
EDGE OF WATER
FOUND BRASS CAP
FOUND ALUMINUM CAP
FOUND CONCRETE H-O-H MONUMENT
FOUND 1/2" IRON PIPE
FOUND 5/8" IRON PIN
SET 1/2" x 24" IRON PIN & CAP
CALCULATED POINT
N.
SCALE: 1" = 100'
CERTIFICATE OF SURVEYOR
RECORDED
OCT 0 1990
TEALEY'S LAND SURVEYING
BOISE, IDAHO
208-385-0636
DATE
MARCH, 1990
DRAWING NO.
676
RECORDING INDEX NO. 411 27-4-1-0-00-



CURVE-C1

L=170.0027'
R=8715.00'
Δ=01°07'04"
T=85.0127'
LC=170.00'
BRG=N73°15'18"W

GARDEN CITY, IDAHO

JOPLIN WELL No. 10

SITE PLAN

WJE 5-9-91
SCALE 1"=30'

OCT 01 1991

DWG. No. CWB-910506

Form No. 217
7/94

AUG 1 9 1996

RECEIVED
AUG 1 9 1996
Department of Water Resources

FOR OFFICE USE ONLY
Amt. of Fee $: 200.00
Receipt No. C036365
Receipt By: Ket
Date Receipted: 8.19.96

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have 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, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-11487 Telephone No. (208)377-1831

2. Name(s) of Permit Holder(s): CITY OF GARDEN CITY

3. Mailing Address: 201 E 50TH ST, GARDEN CITY, ID 83714

4. Source of Water: GROUNDWATER If **GROUNDWATER** (well), Date Drilled: mo. 6 / yr. 93

a. Well Driller: RIVERSIDE DRILLING Drilling Permit Number: 63 - 91 - C - 0087-000

b. *OPTIONAL:*
Pump Horsepower: 250 Pressure (psi): 83 Dynamic pumping level (ft): _____

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: MUNICIPAL WATER SUPPLY

6. Total rate of diversion and/or volume for which proof is submitted: 4.5 cfs **OR** _____ acre feet

7. Measuring Device Requirement: **(refer to the approval conditions on your permit and respond accordingly)**
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device:	Is a measuring device required?	Yes xx **or**	No ____
	Has the measuring device been installed?	Yes xx **or**	No ____
Flow Measurement Port:	Is a flow measurement port required?	Yes ____ **or**	No xx
	Has the measurement port been installed?	Yes ____ **or**	No ~~xx~~

8. Fee Enclosed: $ 200.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: TOM MEHIEL Telephone Number: (208)376-3570

Address: 201 E 50TH ST, GARDEN CITY, ID 83714

10. The information given on this form 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.

MICROFILMED
NOV 0 7 1996

Signature of permit holder: _____ Date: 7-11-96

(include your title, if on behalf of company of organization)

(TOM MEHIEL) ASS'T PUBLIC WORKS DIRECTOR

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11487

Proposed Priority: October 8, 1990 Maximum Diversion Rate: 4.50 CFS
This is to certify, that **CITY OF GARDEN CITY**
201 E. 50TH ST.
GARDEN CITY, ID 83714
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION
IRRIGATION	03/15 to 11/15	4.50 CFS
COMMERCIAL	01/01 to 12/31	4.50 CFS
MUNICIPAL	01/01 to 12/31	4.50 CFS
DOMESTIC	01/01 to 12/31	4.50 CFS
FIRE PROTECTION	01/01 to 12/31	4.50 CFS
	Totals	4.50 CFS

LOCATION OF POINT(S) OF DIVERSION: NENE Sec. 27, Township 04N, Range 01E
ADA County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
03N	02E	4	LOT 9(SWSW)	4					4
		9	LOT 10(NWNW)	4					4
04N	01E	13	NENE	4	NWNE	4	SWNE	4	
			SENE	4	NENW	4	NWNW	4	
			SWNW	4	SENW	4	NESW	4	
			NWSW	4	SWSW	4	SESW	4	
			NESE	4	NWSE	4	SWSE	4	
			SESE	4					64
		14	NENE	4	NWNE	4	SWNE	4	
			SENE	4	NENW	4	NWNW	4	
			SWNW	4	SENW	4	NESW	4	
			NWSW	4	SWSW	4	SESW	4	
			NESE	4	NWSE	4	SWSE	4	
			SESE	4					64
		22	LOT 1(NENE)	4	LOT 2(NWNE)	4	LOT 7(SWNE)	4	
			LOT 9(SENE)	4	LOT 3(NENW)	4	LOT 4(NWNW)	4	
			LOT 5(SWNW)	4	LOT 6(SENW)	4	NESW	4	
			NWSW	4	SWSW	4	SESW	4	
			LOT 10(NESE)	4	LOT 11(NWSE)	4	SWSE	4	
			SESE	4					64
		23	NENE	4	LOT 2(NWNE)	4	LOT 2(SWNE)	4	
			LOT 1(SENE)	4	LOT 3(NENW)	4	LOT 4(NWNW)	4	
			LOT 4(SWNW)	4	LOT 6(SENW)	4	NESW	4	
			LOT 8(NWSW)	4	LOT 9(SWSW)	4	LOT 10(SESW)	4	
			NESE	4	LOT 7(NWSE)	4	SWSE	4	
			LOT 11(SESE)	4					64
		24	NENE	4	NWNE	4	SWNE	4	

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State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11487

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			SENE	4	NENW	4	NWNW	4	
			SWNW	4	SENW	4	LOT 3(NESW)	4	
			LOT 4(NWSW)	4	LOT 5(SWSW)	4	LOT 3(SESW)	4	
			NESE	4	NWSE	4	LOT 2(SWSE)	4	
			LOT 1(SESE)	4					64
		25	LOT 1(NENE)	4	LOT 3(NWNE)	4	SWNE	4	
			LOT 2(SENE)	4	NWNW	4	NESE	4	
			NWSE	4	SWSE	4	SESE	4	36
		26	NENE	4	NWNE	4	SWNE	4	
			NENW	4	NWNW	4	SENW	4	
			NESE	4	SESE	4			32
		27	NENE	4	NWNE	4	NENW	4	
			NWNW	4					16
02E		18	NENE	4	NWNE	4	SWNE	4	
			SENE	4	NENW	4	LOT 1(NWNW)	4	
			LOT 2(SWNW)	4	SENW	4	NESW	4	
			LOT 3(NWSW)	4	LOT 4(SWSW)	4	SESW	4	
			NESE	2	NWSE	1	SWSE	1	
			SESE	1					53
		19	LOT 1(NWNW)	1	LOT 2(SWNW)	1	LOT 3(NWSW)	1	
			LOT 4(SWSW)	1					4
							Total number of acres irrigated:		469

PLACE OF USE: COMMERCIAL, same as IRRIGATION use

PLACE OF USE: DOMESTIC, same as IRRIGATION use

PLACE OF USE: FIRE PROTECTION, same as IRRIGATION use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 2, 1996.**
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. A flow measurement 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.
5. Use of water under this permit is subject to the control of the watermaster of Water District 63, Boise River and tributaries.

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State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11487

CONDITIONS/REMARKS:

6. The Director retains jurisdiction of this permit and any license subsequently issued to require streamflow augmentation or other action determined to be appropriate to protect prior surface water or ground water rights. Such streamflow augmentation or other action will be required only upon a determination of need and applicability by the Director.
7. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.
8. Municipal use is within the city limits of Garden City.
9. The point of diversion is located within the Boise Front Groundwater Management Area and use of water with a temperature greater than 85 degrees Fahrenheit is not authorized under this permit.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 28th day of August, 1991.

for R. Keith Higginson, Director

OCT 11 199

Form 202
6/85

Ident. No. 63-11487

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

WELL NO. 10-Joplin Road

To appropriate the public waters of the State of Idaho

Please send copy of all correspondence to
Carlyle W. Briggs, PE
Garden City Engineer
619 Grove St. Boise, ID 83702
Tel. 343-3381

1. Name of applicant CITY OF GARDEN CITY, IDAHO Phone (208)377-1831

   Post office address 201 E. 50th Street, Garden City, Idaho 83714

2. Source of water supply Groundwater which is a tributary of N.A.

3. Location of point of diversion is NE ¼ of NE ¼ of ——— ¼, Govt. Lot ———

   Sec. 27 Township 4 North Range 1 East B.M. Ada County; additional

   points of diversion if any: ———

4. Water will be used for the following purposes:

   Amount 4.50cfs (cfs or acre-feet per annum) for Municipal purposes from Jan. 1 to Dec. 31 (both dates inclusive) *

   Amount 4.50 (cfs or acre-feet per annum) for Irrigation purposes from 3/15 to 11/15 (both dates inclusive)

   Amount 4.50 (cfs or acre-feet per annum) for Commercial purposes from 1/1 to 12/31 (both dates inclusive)

   Amount 4.50 (cfs or acre-feet per annum) for Domestic purposes from 1/1 to 12/31 (both dates inclusive)

   4.50 cfs → Fire Protection 1/1 12/31

5. Total quantity to be appropriated is (a) 4.50 cubic feet per second and/or (b) ——— acre feet per annum

6. Proposed diverting works:

   a. Description of ditches, flumes, pumps, headgates, etc. A 24 inch drilled and 16 inch cased deep well approximately 700 feet deep. Pumped by a deep well turbine driven by an an electric motor. Discharge will be directly to applicant's distribution system.

   b. Height of storage dam N.A. feet; active reservoir capacity ——— acre-feet; total reservoir capacity ——— acre-feet; period of year when water will be diverted to storage: ——— to ——— inclusive.

   c. Proposed well diameter is 16 inches; proposed depth of well is 700 feet.

   d. Is ground water with a temperature of greater than 90°F being sought? No

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*).

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* per applicants' 3/5/91 letter, JL 3/15/91

* 8. Description of proposed uses (*if irrigation only, go to item 9*):

a. Hydropower; show total feet of head and proposed capacity in KW. N.A.

b. Stockwatering; list number and kind of livestock. N.A.

c. Municipal; show name of municipality. Garden City, Idaho

d. Domestic; show number of households. 2574

e. Other; describe fully. Areas outside of Garden City are served by Garden City municipal water system - ~~domestic, sprinkling irrigation,~~ fire protection, commercial, ~~industrial, recreation, and other uses.~~ See attached marked map (MAPS 1 & 2, orthophotoquads).

9. Description of place of use:

* a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (*example: D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
MUNICIPAL	=		WITHIN	GARDEN	CITY'S	CITY	LIMITS												
Within the Garden City limits and the areas outside the city limits between Pierce Park Lane and Highway 55 and extending from Garden City northerly city limits to approximately one mile north of Hill Road and other areas. See attached marked map.																			
OTHER USES	=		SEE ATTACHED LAND LIST FOR AREA OUTSIDE OF MUNICIPAL BOUNDARY.															=	ATTACHMENT A

Total number of acres to be irrigated 469 acres

10. Describe any other water rights used for the same purposes as described above. All permits for Garden City as filed and on record with the Department of Water Resources.

11. a. Who owns the property at the point of diversion? Garden City, Idaho

b. Who owns the land to be irrigated or place of use? Garden City and adjacent areas owners.

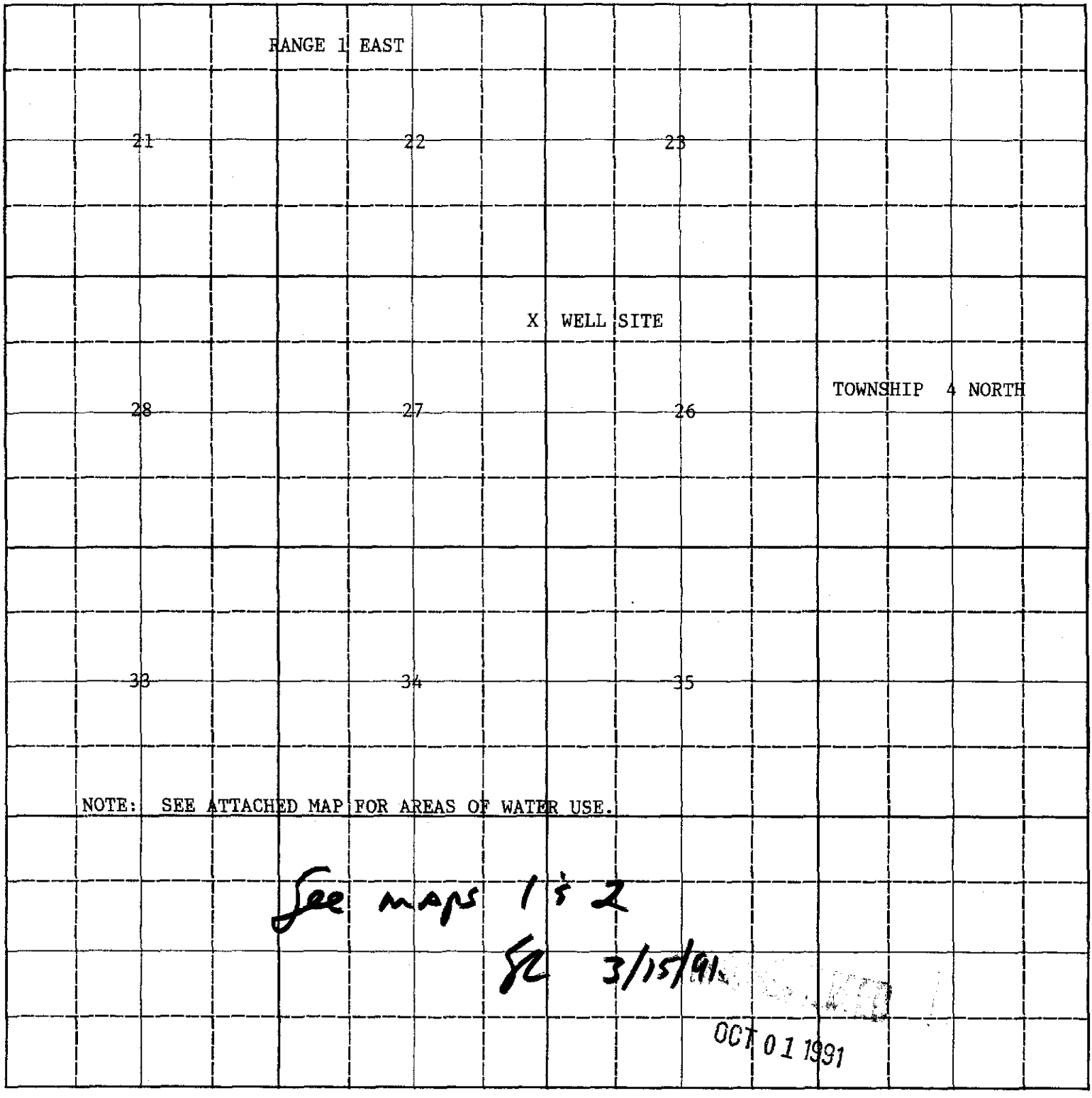
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.

12. Remarks: Water will be used to augment Garden City's existing system and to provide service to future expansion areas outside of the present Garden City boundaries.

OCT 01 1991

* per applicant's 3/5/91 letter, SL 3/15/91

13. 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.

GARDEN CITY, IDAHO

Carlyle W. Briggs, P.E. (Applicant) Garden City Engineer

10-5-90 Friday

Received by DRC Date 10/8/1990 Time 12:35 Preliminary Check by [illegible]

Fee $ 125.00 Receipted by DRC # W012769 Date 10/8/1990

Publication prepared by GG Date 3-27-91 Published in ID Statesman 4/4 & 4/11/91

Publication approved [illegible] Date 4-18-91

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. _____, and said application is hereby _____.

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 _____, 19____.

   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. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

   e. Other:

OCT 01 1991

43-11487
MAP 1 of 2

Plan Boundary

R1E

R2E

T3N

PLACE OF USE
BOUNDARY
4,290 ACRES

Section
CURVE

Well #7

Well #8

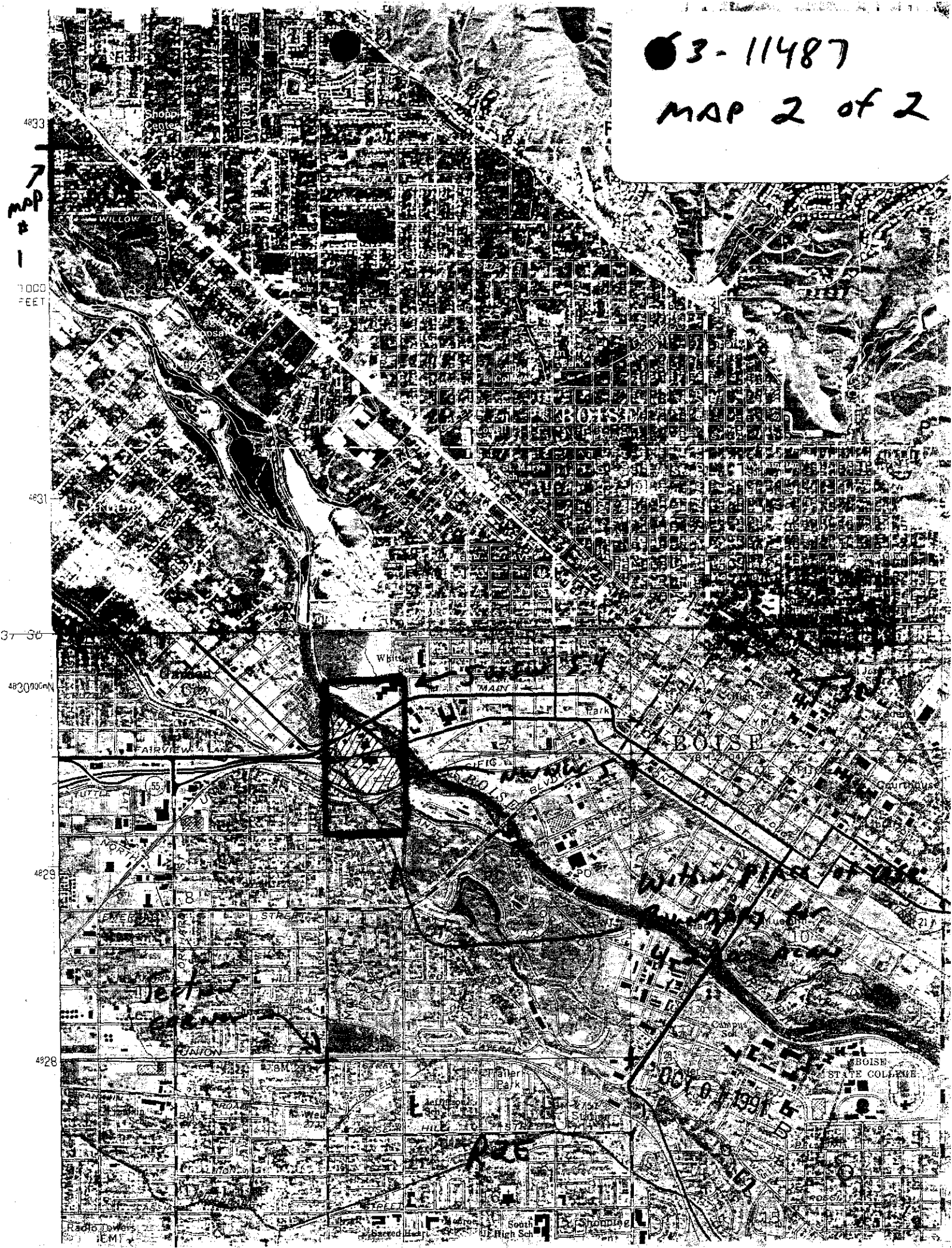
Well #10

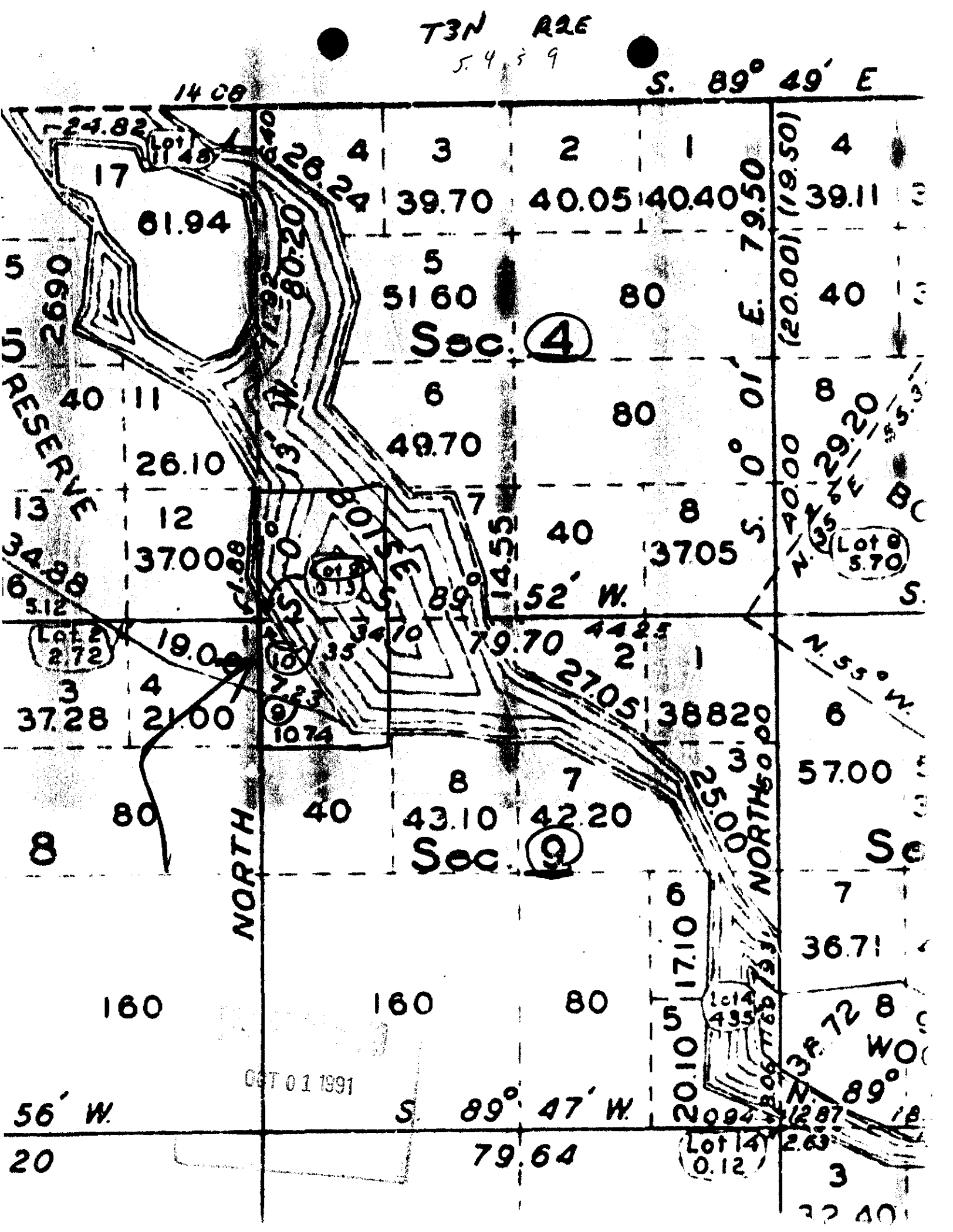
MAPS 1 & 2 proposed
based on applicant's land use

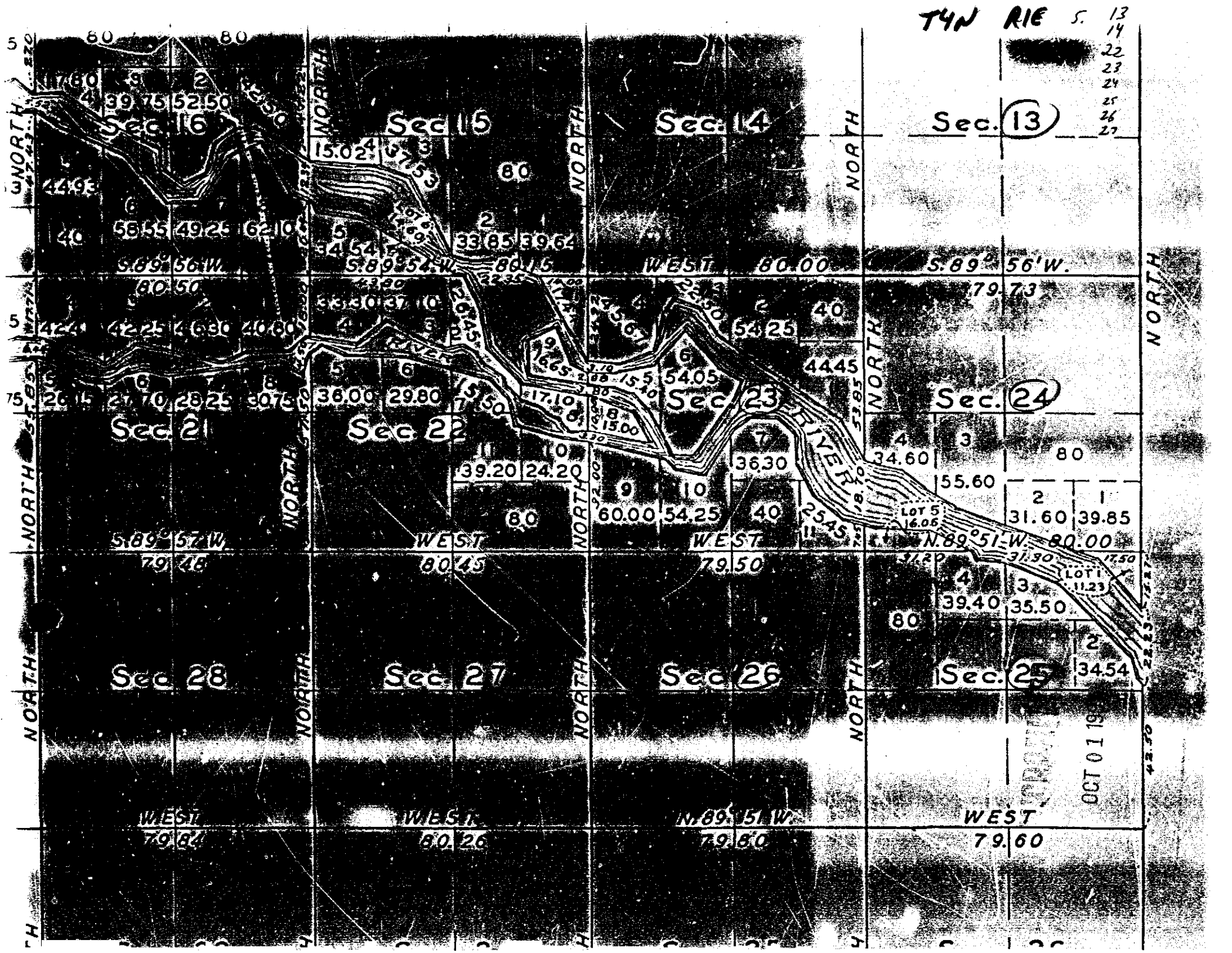
Plan continued on map #2

MAP #1

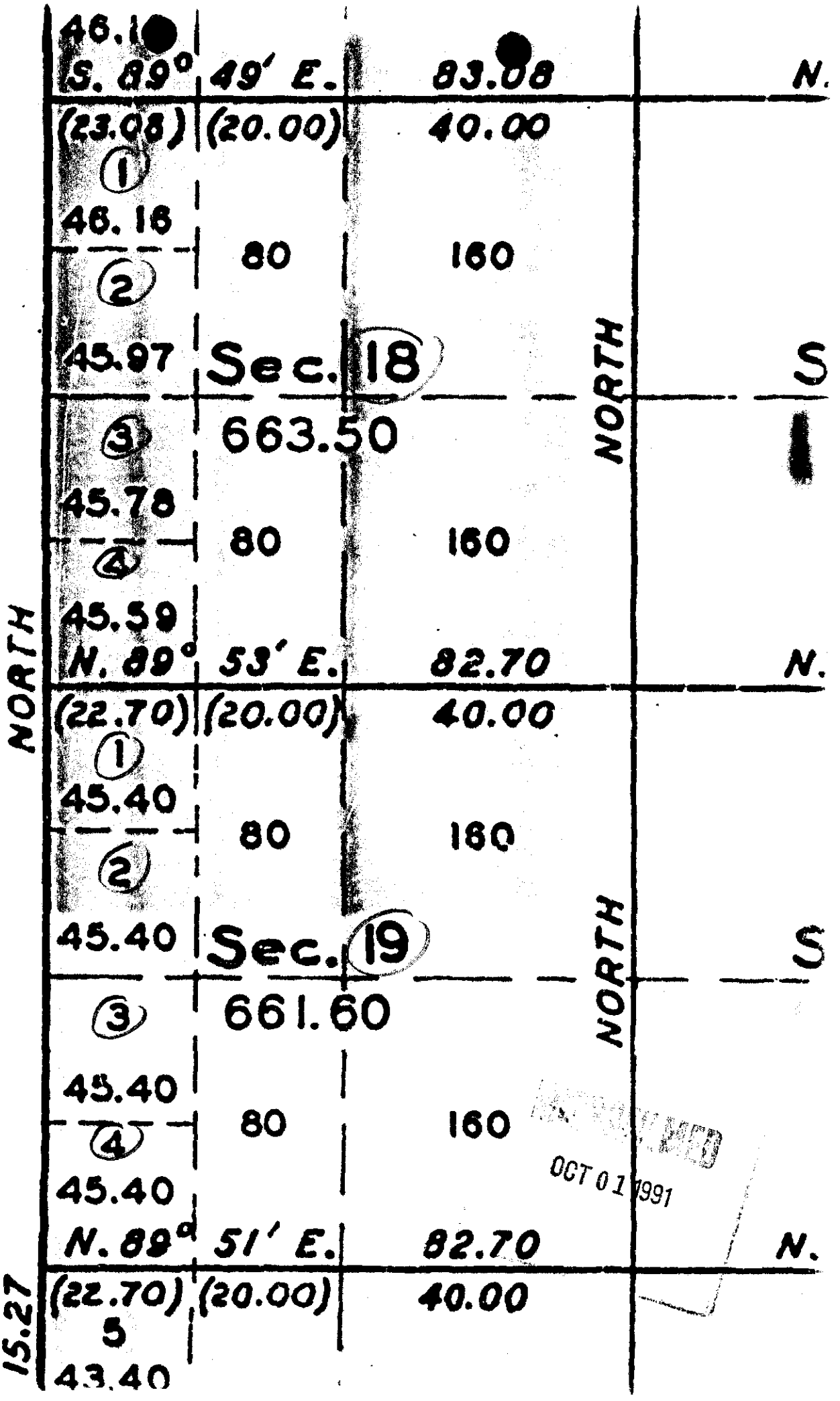
MAP #2


63-11487
MAP 2 of 2
map #1
4833
4831
4830
4829
4828
BOISE
Courthouse
Whittier School
Capitol
Park
Shopping Center
Trailer Park
Radio Towers
Shopping
South High Sch
Campus Sch
BOISE STATE COLLEGE
Oct 04 1991 B
Pace


T3N R2E
5 4 3 9
S. 89° 49' E
1408
24.82
17
61.94
4
3
2
1
39.70
40.05
40.40
39.11
(20.00) (19.50)
79.50
5
5160
80
40
Sec. 4
6
80
49.70
8
40
11
26.10
7
8
40
3705
12
37.00
13
34.98
65.12
Lot 2
2.72
19.0
Lot 9
5.70
S. 0° 01' E.
N. 40.00
29.20
BOISE
S. 89° 52' W.
14.55
79.70
4425
2
1
27.05
38.82
N. 55° W.
3
4
37.28
21.00
10.74
6
57.00
25.00
NORTH
8
80
40
43.10
42.20
Sec. 9
7
36.71
160
160
80
17.10
Lot 14
4.35
5
20.10
20.94
Lot 14
0.12
2.63
3
32.40
S. 89° 47' W.
79.64
20
56' W.
OCT 01 1991


T4N R1E
Sec. 16
Sec. 15
Sec. 14
Sec. 13
Sec. 21
Sec. 22
Sec. 23
Sec. 24
Sec. 28
Sec. 27
Sec. 26
Sec. 25
NORTH
WEST
S.89°56'W.
S.89°54'W.
S.89°57'W.
N.89°51'W.
RIVER
LOT 5
16.06
LOT 1
11.23
OCT 01 19

T4N
R2E
5.18 & 19



OCT 01 1991

123 QQ shown
enter 4 ac. each for 115 QQ = 460 ac.
enter 1 " " " 9 QQ 9 ac.
124
123 QQ 469 ac.

LAND LIST ATTACHMENT

Description and location of place of use:

TWP.	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	2E	4											L.9						
		9						L.10											
4N	1E	13	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		14	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		22	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			L.1	L.2	L.7	L.9	L.3	L.4	L.5	L.6					L.10	L.11			
		23	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
				L.2	L.2	L.1	L.3	L.4	L.4	L.6		L.8	L.9	L.10		L.7		L.11	
		24	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
											L.3	L.4	L.5	L.3			L.2	L.1	
		25	L.1	L.3	x	L.2		x							x	x	x	x	
		26	x	x	x		x	x		x					x			x	
		27	x	x			x	x											
4N	2E	18	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
								L.1	L.2			L.3	L.4						
		19						L.1	L.2			L.3	L.4						

Date Entered 8-21-91 CS

123 QQ

115 @ 4 acres each = 460
1 @ 2 acres = 2
7 @ 1 acres each = 7

123 469

Total number of acres irrigated 469

OCT 07 1991

NOTE

(1) IRRIGATION, commercial, domestic, & FIRE protection in all tracts.

(2) Some tracts have >1 govt lots, entered predominate one in these cases.

63-11487

ATTACHMENT A

RECEIVED
APR 16 1991
Department of Water Resources
Western Regional Office

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due: 207.00

Account Number	Identification
47628	Notice of Application(s) for Water Right

Ordered By	P.O. Number	Rate	Run Dates
Gail Garrett		nt	April 4, 11, 1991

Idaho Dept. of Water Resources
Western Region
1735 Airport Way
Boise ID 83705

Estimated Inches	Real Inches
# Affidavits: 1	Legal Number: 8067

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-11036
MC KENZIE, DOROTHY E.
MC KENZIE, KENNETH H.
4117 EDWARDS ST.
BOISE, ID 83703
Source: WASTE WATER
Tributary: Boise River
Diversion Pt: NWSWNE Sec 29 T04N R02E
Use: IRRIGATION (.030 CFS)
HEATING (.400 CFS)
Total Diversion: (.400 CFS)
Date Filed: 6/16/1989
In: T04N R02E S29 SWNE
1.0 ACRES TOTAL

63-11457
EGGERS, DREW
EGGERS,DEBRA
5101 W. LAKE HAZEL RD.
NAMPA, ID 83687
Source: GROUNDWATER
Diversion Pt: SENE Sec 21 T03N R01W
Use: IRRIGATION (1.240 CFS)
Total Diversion (1.240 CFS)
Date Filed: 2/22/1991
In: T03N R01W S21 NENE SENE
62.0 ACRES TOTAL

63-11486
KASPER, MARGARET H.
4102 STAR VALLEY ST.
BOISE, ID 83709
Source: GROUNDWATER
Diversion Pt: NENESW Sec 4 T04N R01E
Use: IRRIGATION (.100 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.140 CFS)
Date Filed: 3/19/1991
In: T04N R01E S04 NESW
5.0 ACRES TOTAL

63-11487
CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY, ID 83714
Source: GROUNDWATER
Diversion Pt.: NENE Sec 27 T04N R01E
Use: IRRIGATION (4.500 CFS)
COMMERCIAL (4.500 CFS)
MUNICIPAL (4.500 CFS)
DOMESTIC (4.500 CFS)
FIRE PROECTION (4.500 CFS)
Date Filed: 10/8/1990
IN: Municipal within the city of Garden City.
Irrigation (469 acres), Commercial, domestic, fire protection within:
T3N R2E S4 LOT 9 (SWSW)
S9 LOT 10 (NWNW)
T4N R1E S13, S14, S22, S23, S24, all tracts within these sections.
T4N R1E S25 NW1/4, NWNW, SE1/4 S26 N1/2NE1/4, SWNE, N1/2NW1/4, SENW, E1/2SE1/4 S27 N1/2N1/2
T4N R2E S18 all tracts within this section.
S19 Lots 1-4 (W1/2W1/2)

63-11491
WOODARD, MAURICE E.
18638 PRESCOTT LN.
NAMPA, ID 83687
Source: GROUNDWATER
Diversion Pt: SESW Sec 20 T04N R01W
Use: IRRIGATION (2.460 CFS)
Total Diversion: (2.460 CFS)
Date Filed: 3/1/1991
In: T04N R01W S20 NESW NWSW SWSW SESW NWSE SWSE
123.0 ACRES TOTAL

63-11493
HOWARD, NUEL L.
3595 E. VICTORY
MERIDIAN, ID 83642
Source: GROUNDWATER
Diversion Pt.: NWNW Sec 28 T03N R01E
Use: IRRIGATION (.080 CFS)
Total Diversion (.080 CFS)
Date Filed: 3/13/1991
In: T03N R01E S28 NWNW
4.0 ACRES TOTAL

63-11498
CHURCH OF JESUS CHRIST LATTER DAY SAINTS
2025 CHIPPAWA PL.
BOISE, ID 83709
Source: GROUNDWATER
Diversion Pt: NWSWNW Sec 25 T03N R01E
Use: IRRIGATION (.150 CFS)
Total Diversion (.150 CFS)
Date Filed: 2/26/1991
In: T03N R01E S25 SWNW
5.0 ACRES TOTAL

63-11499
HARRINGTON, DANIEL P.
13005 TAMPICO
KUNA, ID 83634
Source: GROUNDWATER
Diversion Pt.: SWSENW Sec 26 T02N R01E
Use: IRRIGATION (.380 CFS)
STOCKWATER (.020 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.440 CFS)
Date Filed: 3/18/1991
In: T02N R01E S26 SENW
19.0 ACRES TOTAL

63-11500
KELLY, SHANE M.
4728 N. PENNFIELD PL.
BOISE, ID 83704
Source: GROUNDWATER
Diversion Pt.: NESW Sec 4 T02N R01E
Use: IRRIGATION (.460 CFS)
DOMESTIC (.060 CFS)
Total Diversion (.520 CFS)
Date Filed: 3/14/1991
In: T02N R01E S04 NESW
23.0 ACRES TOTAL

63-11501
NOBLE, JOHN E.
RT. 1
KUNA, ID 83634
Source: GROUNDWATER
Diversion Pt.: SESW Sec 28 T02N R01W
Use: IRRIGATION (2.000 CFS)
Total Diversion (2.000 CFS)
Date Filed: 3/15/1991
In: T02N R01W S28 NWSW SWSW S29 NESE SESE S33 NENE SENE
200.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Mail, Boise, Idaho 83705 on or before APRIL 22, 1991.

R. Keith Higginson, Director
Pub. Apr. 4, 11, 1991 8067

rdson, being duly
That she is the Principal Clerk of The
newspaper printed and published at Boise,
o, and having a general circulation therein
r has been continuously and uninterruptedly
during a period of twelve consecutive
ublication of the notice, a copy of which is
notice was published in The Idaho
vith Section 60-108, Idaho Code as
two
consecutive daily ☐ single ☐ odd skip
h the issue of Apr. 4, 19 91
of Apr. 11, 19 91
Denise Richardson

ss.

day of April in the year of
ne, a Notary Public, personally appeared
rdson, known or identified to
e name subscribed to the within instrument,
sworn, declared that the statements therein
ed to me that she executed the same.

Public for Idaho
g at Boise, ID
mission expires:

OCT 01 1991

Form 219
6/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

RECEIVED
JUN 03 1997
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 63-11487

1. Owner: City of Garden City Phone No. 377-1831

Current Address: 201 E 50th St Garden City 83714

2. Accompanied by: Tom Meheil EXAM DATE: 12/12/96

Address: Phone No. 376-3570

Relationship to Permit Holder: Mgr

3. Source: Ground water tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: —

2. Other water rights with the same point of diversion: —

C. DIVERSION AND DELIVERY SYSTEM

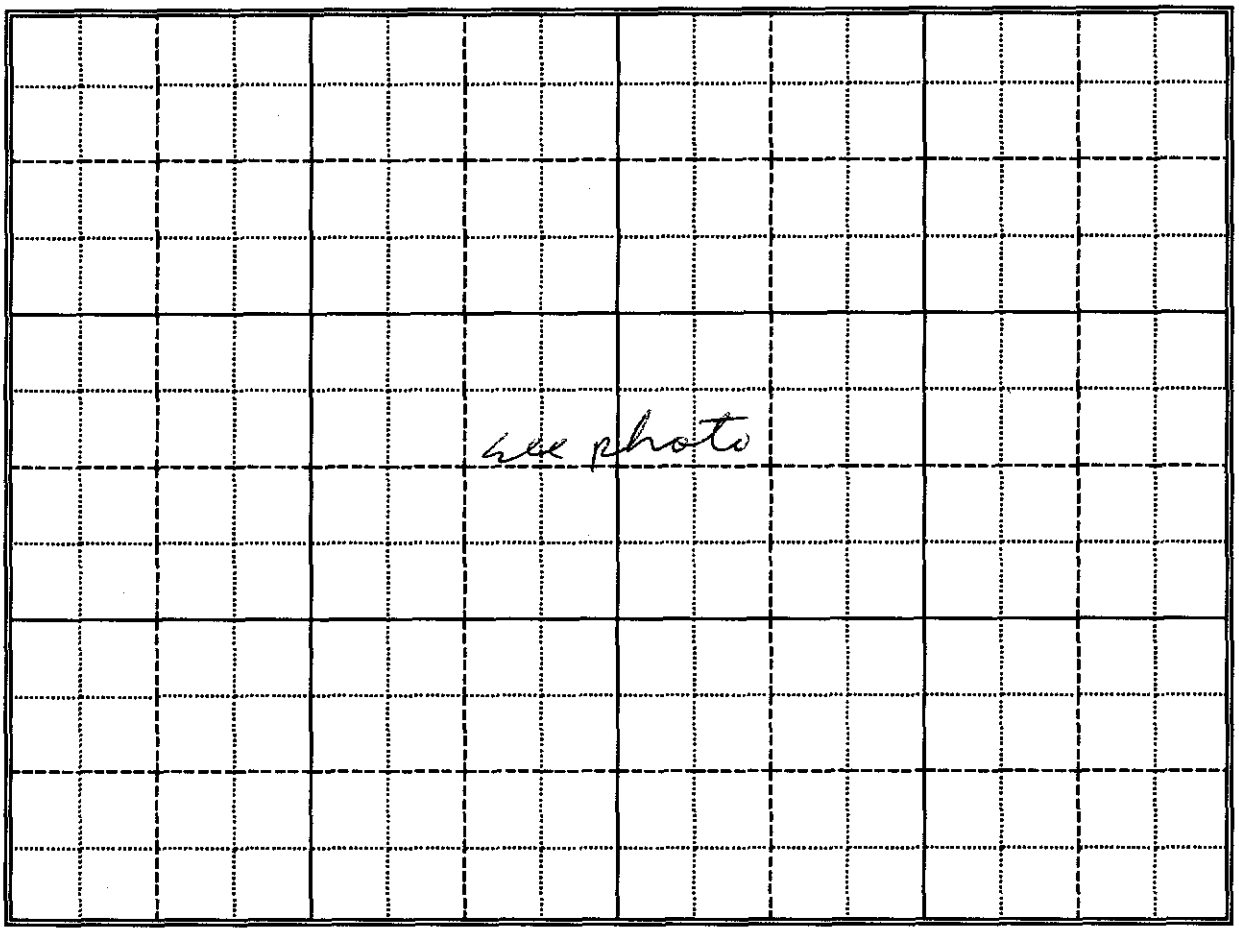
1. **Point(s) of Diversion:**

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NE	NE	27	4N	1E	Ada	USGS Quad

2. **Place(s) of Use:** Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	27	M																

3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____.

Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

N/A Aerial Photo Attached (required for irrigation of 10+ acres)

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	GE	250	XJ6402043	Vertiline	
				Series 1130	

Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** Pump curve provided by Caron Pump

E. NARRATIVE/REMARKS/COMMENTS

A 16" well equipped with a 250 HP pump supplies municipal water to Garden City via 12" mainline. The system consists of two devices for measuring flow: a McCrometer located on the discharge pipe and also a Chessel Electronic Flow recorder located on the wall.

The application was filed for everything but municipal because at the time that was how uses outside the city limits were treated. The statute has since been re-defined to "service area" rather than "city limits". I recommend the permit uses be changed to municipal due to the updated statute (42-202B(6)).

Have conditions of permit approval been met? ✓ yes ___ no

F. FLOW CALCULATIONS ____ Additional Computation Sheets Attached

Measured Method:

pump capacity = 2500 gpm = 5.56 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = _____

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = _____

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Municipal	1/1	12/31	4.5	
		Totals:	4.5	

2. Recommended Amendments

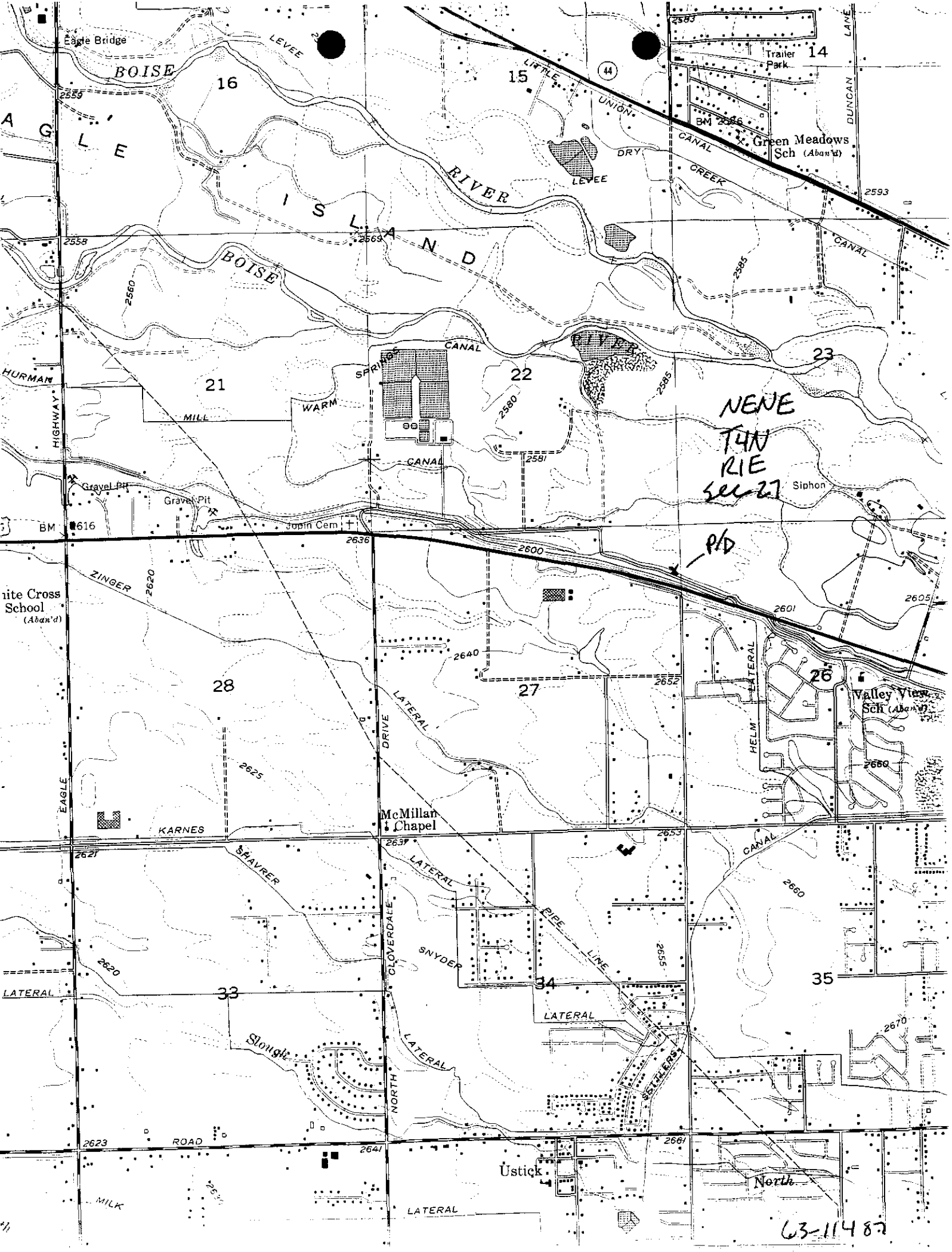
___ Change P.D. as reflected above ___ Add P.D. as reflected above ___ None

___ Change P.U. as reflected above ___ Add P.U. as reflected above ✓ Other change use to municipal

I. AUTHENTICATION

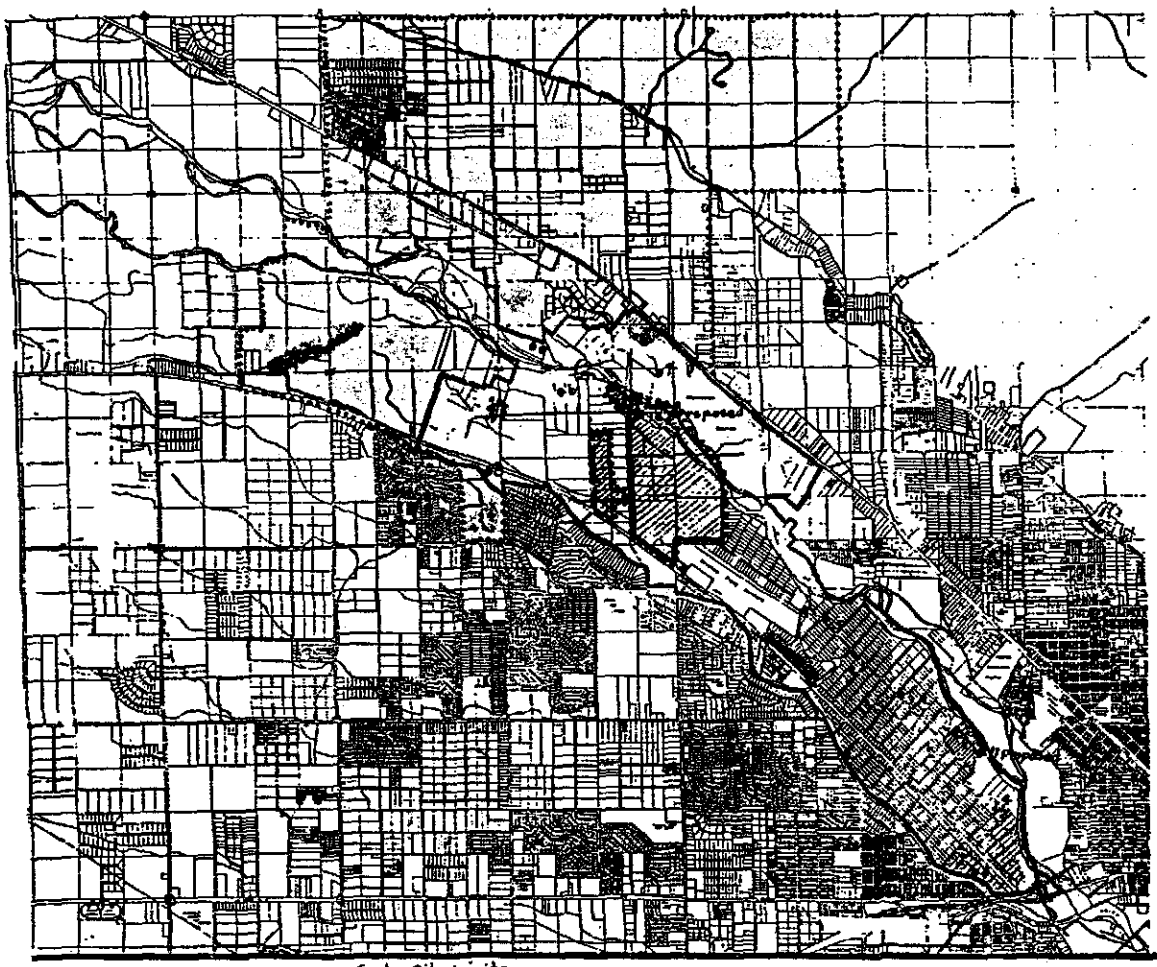
Field Examiner's Name Jon Cramer Date 5/30/97

Reviewer _____ Date _____ SEAL


Eagle Bridge
BOISE
16
15
14
Trailer Park
LITTLE
UNION
CANAL
DUNCAN
LANE
BM 2586
Green Meadows Sch (Aban'd)
DRY
CREEK
LEVEE
RIVER
ISLAND
EAGLE
2559
2558
2569
2560
2585
2593
BOISE
CANAL
HURMAN
HIGHWAY
21
22
23
SPRINGS
WARM
MILL
2580
2581
NENE
T4N
R1E
Sec 27
Gravel Pit
Gravel Pit
Siphon
BM 2616
Jopin Cem
2636
2600
P/D
ZINGER
2620
2601
2605
ite Cross School (Aban'd)
28
27
26
2640
2652
LATERAL
Valley View Sch (Aban'd)
DRIVE
HELM
2660
2625
EAGLE
McMillan Chapel
KARNES
2637
2653
2621
SHAVRER
LATERAL
CANAL
2660
PIPE LINE
CLOVERDALE
SNYDER
2655
2620
LATERAL
33
34
35
LATERAL
Slough
LATERAL
NORTH
SCHLEGEL
2670
2623
ROAD
2641
2661
Ustick
North
MILK
LATERAL

63-11482

GARDEN CITY SERVICE AREA
AS OF 12/12/96 (per Tom Meheil - mgr)



GARDEN CITY — Garden City Limits; Service Area Outside of Garden City Limits; Areas Not Yet Annexed

CWB 10-10-90

Wall # No. Scale: 1" = ± 3,100'

Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 4-30-92

L8 h11-63

a service area, including those located outside the boundaries of a municipality served by a municipal provider.

(4) "Planning horizon" refers to the length of time that the department determines is reasonable for a municipal provider to hold water rights to meet reasonably anticipated future needs. The length of the planning horizon may vary according to the needs of the particular municipal provider.

(5) "Reasonably anticipated future needs" refers to future uses of water by a municipal provider for municipal purposes within a service area which, on the basis of population and other planning data, are reasonably expected to be required within the planning horizon of each municipality within the service area not inconsistent with comprehensive land use plans approved by each municipality. Reasonably anticipated future needs shall not include uses of water within areas overlapped by conflicting comprehensive land use plans.

(6) "Service area" means that area within which a municipal provider is or becomes entitled or obligated to provide water for municipal purposes. For a municipality, the service area shall correspond to its corporate limits, or other recognized boundaries, including changes therein after the permit or license is issued. The service area for a municipality may also include areas outside its corporate limits, or other recognized boundaries, that are within the municipality's established planning area if the constructed delivery system for the area shares a common water distribution system with lands located within the corporate limits. For a municipal provider that is not a municipality, the service area shall correspond to the area that it is authorized or obligated to serve, including changes therein after the permit or license is issued. [I.C., § 42-202B, as added by 1996, ch. 297, § 2, p. 967.]

Compiler's notes. Sections 1 and 3 of S.L. 1996, ch. 297 are compiled as §§ 42-202 and 42-217, respectively.

42-203. [Amended and Redesignated.]

Compiler's notes. This section was amended and redesignated as § 42-203A by § 1 of S.L. 1985, ch. 17.

42-203A. Notice upon receipt of application — Protest — Hearing and findings — Appeals. — (1) Upon receipt of an application to appropriate the waters of this state, the department of water resources, shall prepare a notice in such form as the department may prescribe, specifying: (a) the number of the application; (b) the date of filing thereof; (c) the name and post-office address of the applicant; (d) the source of the water supply; (e) the amount of water to be appropriated; (f) in general the nature of the proposed use; (g) the approximate location of the point of diversion; (h) and the point of use. The department shall also state in said notice that any protest against the approval of such application, in form prescribed by the department, shall be filed with the department within ten (10) days from the last date of publication of such notice.

63-11487

4 Stage Pump = 2500GPM @ 310' @ 84%

CURVE data

Vertti-Line

No. Stages	Ft. Change	MATERIAL	Eff. Change
1	-4	IMP. - C.I.	-1
2	-2	IMP. - NI-AI	+1
3	+1	BOWL - BRZ.	+2
4	0	BOWL - NI-R.	+2

14RM, 4 STAGE 1770 R.P.M.

SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 4 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 4 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

PUMP PERFORMANCE

ONE STAGE | 4 STAGES

K = 16.6

IMP. DIA.
A = 11.500
B = 10.000
C = 10.500

FEET

140
120
100
40

75 80 82 85 84 80 75 62 A B C

BRAKE HORSEPOWER

40

N.P.S.H. REQUIRED - FEET

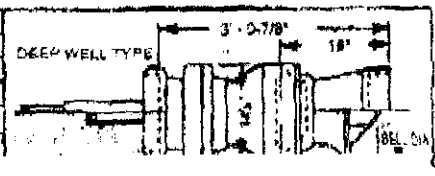
30
20
10

A B C

0 400 800 1200 1600 2000 2400 2800

CAPACITY - U.S. G.P.M.

EYE AREA - SQ. IN.	= 31.2	IMPELLER WT. - LBS.	= 28
WR² PER STAGE - LB. FT²	= 9.15	ONE STAGE WT. - LBS.	= 700
MAX. NO. BTD. STAGES	= 8	ADDL. STAGE WT. - LBS.	= 265
MAX. OPERATING P.S.I.	= 400	DISCH. - IN.	= 12
STD. LATERAL - IN.	= 0.790	SUCTION - IN.	= 10
STD. SHAFT DIA. - IN.	= 2.188	BOWL CONN. - FLANGED-COLLET	



63-11487

238(4)-1
5/93

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. **DRILLING PERMIT NO:** 63-91-C-0087-000 **OTHER APPLICABLE NO:** 63-11487

2. **OWNER:** Garden City Phone: 376-3570
Address: 201 E 50th St Garden City 83714

3. **WELL LOCATION:** Twp 4N, Rge. 1E, Sec. 27, NE 1/4 NE 1/4
County Ada (Provide sketch map and photo on reverse.)

4. **DRILLER:** Rumsey Lic. No. 333
When Drilled? 6/8/93

5. **WELL CONSTRUCTION:**
Casing Diameter 16 inches Water tight cap? [X] Yes [ ] No Access Port: [X] Yes [ ] No
Casing ≥ 12 inches above ground? [X] Yes [ ] No - Describe
Depth of Casing 879 ft. Method Drilled Rumsey Rotary
Condition of Well Casing: [X] Good [ ] Fair [ ] Poor Describe
Control Valve? [ ] Yes [X] No Pressure Gauge: [ ] Yes [X] No
Condition of Piping and Valving good
Auger to a depth of ____ ft. Evidence of Annular Seal [ ] Yes [ ] No
Are there obvious constuction problems that may be a source for contamination or waste of water?
[ ] Yes [X] No (Describe in Remarks and Attach Photo - On Reverse)

6. **HYDROLOGIC INFORMATION:** not on log
Depth to Static Water ____ ft. Water Temperature cold °F
Flowing Artesian [ ] Yes [X] No Pressure: 85 (psi)
Water Sample Taken? [ ] Yes [X] No If yes, describe purpose
Water Quality Measurements/Observations (Describe)

7. **WELL USE:**

[ ] Domestic	[ ] Irrigation	[ ] Stock
[ ] Test	[X] Municipal	[ ] Industrial
[ ] Abandoned	[ ] Waste Disposal/Injection	[ ] Not Used

[ ] Other:

8. **POSSIBLE CONTAMINATION SOURCES:**

Is there evidence of Chemigation? [ ] Yes [X] No

If yes, is there a check-valve present? [ ] Yes [ ] No

Is there a possible source of contamination nearby? [ ] Yes [X] No

If yes, what Type? _____

How far away from the well is this source? _____

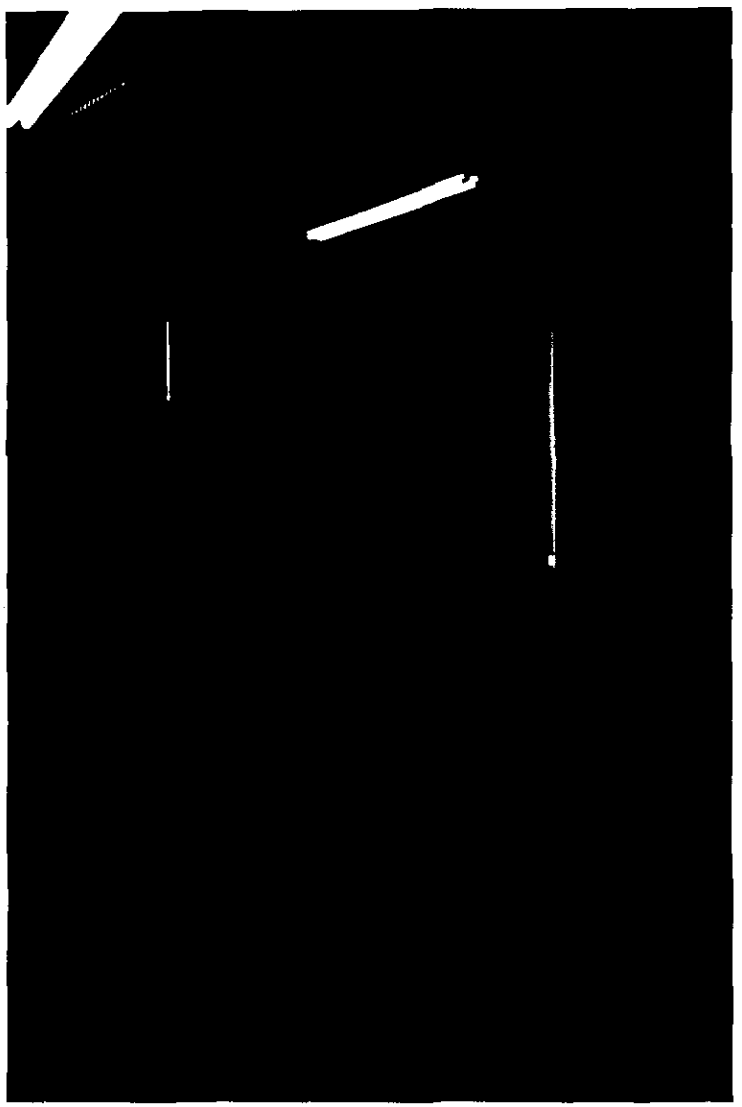
9. **REMARKS:** well log lists sesa - should be NeNe

_____

Signature of Dept. Representative & Title

12/12/96
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



P/D

63-11487

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
JUN 25 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Garden City Water & Sewer

Address 201 E 50th, Garden City, ID 83714

Drilling Permit No. 63-91-C-0087-000

Water Right Permit No. 63-11487 S.W.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☒ Other City (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Auger ☒ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION ** See Attached Sheet

** Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☒ Yes ☐ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☒ Yes ☐ No
** Manufacturer Houston Type Wire Wrap
Top Packer or Headpipe 570'
Bottom of Tailpipe 878'

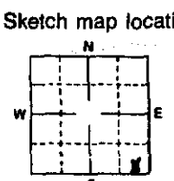
Diameter 16" Slot size .040 Set from 620 feet to 660 feet
Diameter 16" Slot size .060 Set from 675 feet to 705 feet
** Gravel packed? ☒ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 600 Material used in seal: ☒ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port 10" Pipe w/ flange

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Ada
Address of Well Site Joplin Rd (give at least name of road)
T. 04 N ☒ or S ☐
SE ¼ SE ¼ Sec. 27, R. 01 E ☒ or W ☐

7. WATER LEVEL

Static water level _____ feet below land surface.
Flowing? ☒ Yes ☐ No G.P.M. flow 20
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 75 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
1600	78'	15 hrs total
2050	84'	
2700	102'	
3000	110'	

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
33"	0	23	Top soil & river rock	x	
33"	23	45	Tan clay		x
30"	45	127	Brown sand & clay	x	
30"	127	218	Sand & clay	x	
30"	218	618	Grey clay		x
23"	618	655	Fine white-gray sand	x	
23"	655	662	Fine sand & clay	x	
23"	662	708	Coarse white-gray sand	x	
23"	708	800	Gray clay		x
23"	800	810	Clay & coarse sand		
23"	810	832	Coarse sand	x	
23"	832	842	Fine sand	x	
23"	842	870	Sand & gray clay	x	
23"	870	892	Gray clay		x

should be
Ne Ne per
field exam
- submitted for
correction
5/30/97

10.

Work started 3/22/93 finished 6/8/93

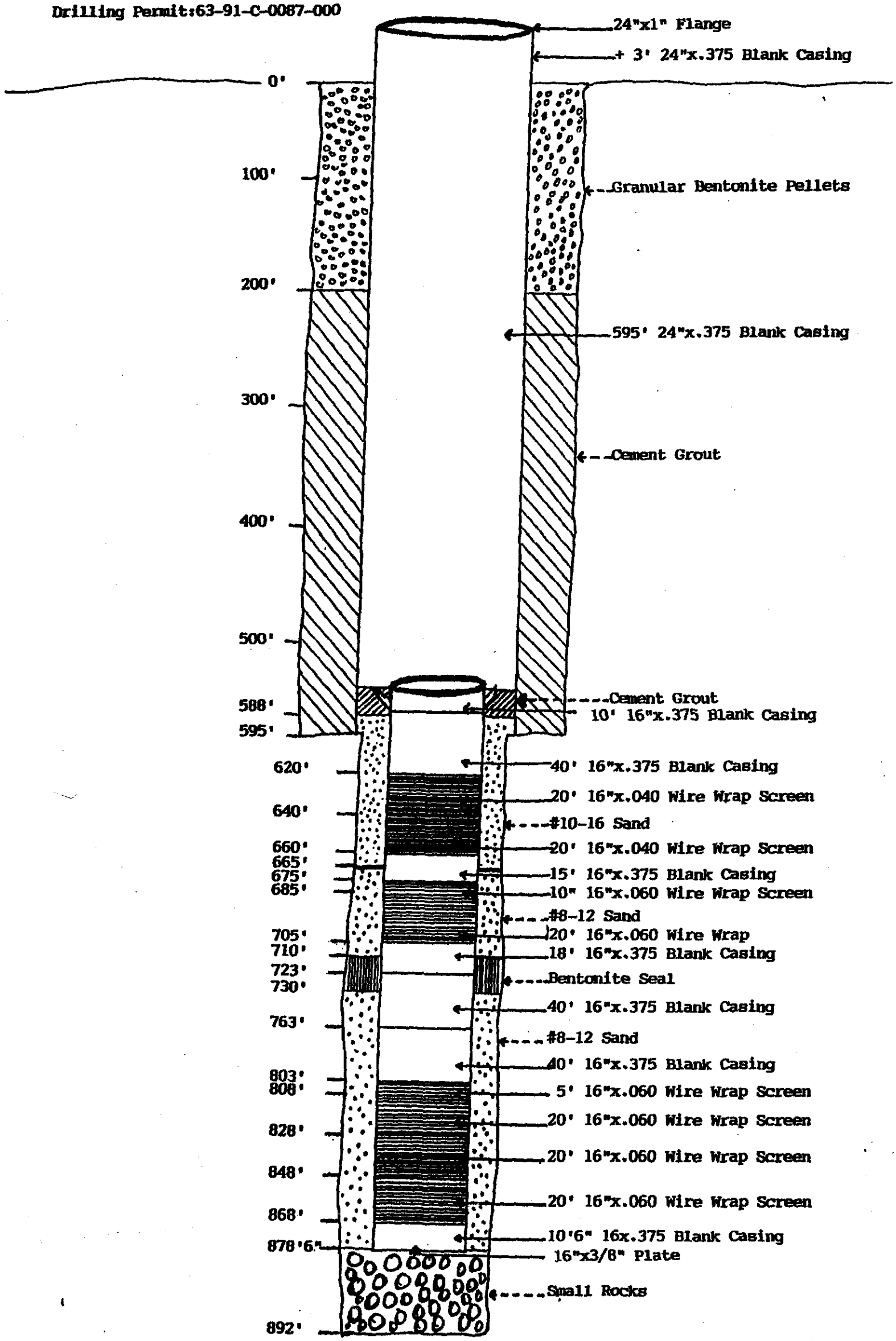
11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Riverside Drilling Firm No. 333
Address P.O. Box 720 Parma, ID 83660 Date 6-23-93
Signed by Drilling Supervisor _____
and
(Operator) 63-11487
(If different than the Drilling Supervisor)

Garden City
201 E. 50TH
Garden City, ID 83714
Drilling Permit:63-91-C-0087-000

Joplin Well #10



ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 63-11487 Reviewed by [illegible] Date 10-28-96

GENERAL CONSIDERATIONS

yes Name same as permit?

yes Address same as permit?

yes Proof timely received?

If not, complete calculation below.

TYPES OF USE

municipal

Correct Uses? yes

SOURCE OF WATER

_____ Surface water source

✓ Ground water source

yes Drilling permit required?

yes Copy in the file? Drilling Permit No. 63-91 C-0087000

200- Amount paid for permit yes Correct?

no Well log in the file?

LICENSE EXAMINATION FEE

yes Required?

200- Amount Submitted

yes Correct?

MEASURING DEVICE

yes Required?

yes Installed?

_____ Waiver requested?

PRIORITY CALCULATION

Date proof received	_____	_____
Date proof due	_____	- _____
No. of days late	_____	= _____
Priority Date	_____	+ _____
New Priority Date	_____	_____

DEFICIENCIES OR ACTION ITEMS

proof Acceptable

DATA ENTRY

New Address _____ Proof Made 8-19-96

_____

October 30, 1996

CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY ID 83714

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11487

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

MICROFILMED

NOV 0 7 1996

June 30, 1996

CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY ID 83714

PROOF DUE NOTICE

RE: PERMIT NO. 63-11487

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 September 1, 1996. (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,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

MICROFILMED
NOV 0 7 1996

CERTIFIED MAIL
NO. 142 814

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

September 4, 1991

CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY ID 83714

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-11487

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed. You will receive a "Proof Due Notice" from this Department approximately 60 days prior to the completion date requiring you to file either a Proof of Beneficial Use form stating that the project has been completed or file a Request for an Extension of Time in which to file the proof statement.

Be sure to note the special condition requiring you to install a measuring device. Enclosed, for your reference, is a list of of measuring device options.

Sincerely,

PAMELA SKAGGS
Technical Records Specialist

PS:blm

Enclosures

OCT 01 1991

APPLICATION FOR PERMIT REVIEW

Application #: 63-11487 Reviewer: Pam Skaggs
Date: 8-19-91

✓Existing:
✓No - (26A-P17)
Complete in 1 year - P16
Yes
Proof not submitted - P16
Proof submitted - N/A
✓Groundwater:
✓GT. 0.2 cfs - 01G-P03, (01C-P03)(existing well)
LT. 0.2 cfs - N/A
✓Drilling Permit:
Approved w/permit - P99 (Already Approved)
Not included - 046-P23(All GW, even existing wells)
✓Location:
✓Water Districts - WD No. 63
Surface water - 005, 005-01H-P01(LT.2 w/pump)
005-01J-P08(GT.2)
Groundwater - P05
Irrigation Districts - 023
Canal Co. Areas - 023
Drainage Districts - 024
✓Boise Front (63) Existing - 058 (Groundwater)
✓Swan Falls Flag - ____ (1, Blank or Other)
Trust - 051-052-053-P74(Consumptive Uses)
Non Trust - 048-049
✓River Basins:
(Surface Water) Water District Control Condition &....
✓Boise (63) - (05A & 11E)
Payette (65) - 047-P04, 059-P71
Snake (01, 02 & 03) - 11A-P04(01), 061-P07(02/03 No W.D.Cond.)
Use:
Fish Propagation - 06A, 09E-P10 & 010 (WQ/Choose One), 042(req.), 002-P06(MD), 07A(Spec.), 044(Policy 5G)
Power - _____ Use Power Review
Mining - 06A or 010, 09E-P10 & 054(req.)
Storage - 18A-for multiple measuring devices(In WD), 18B-P09(Size)
Rec. & Aesthetic - 027(Non-Consumptive)
Domestic - 021(restricted areas)
Ownership:
Non land owner - 004
Protested:
Agreement - 020

RECEIVED
OCT 01 1991

✓Beneficial Use Due Date: - 09-02-1996
✓Other Conditions Recommended Boise Front GWMA Comment

Form No. 202a.
3/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

INITIAL REVIEW BY: SL DATE: 3/15/91 APPLICATION: 63-11487

REQUIRED INFORMATION

- ✓ Name: (If applicant is a corporation or partnership, names and addresses for the director, officers, and other partners must be included.)
- Address:
- Source: (See USGS Quad for names of water sources)
- Point of Diversion: (10 acres for spring, lot & block descriptions for Subdivisions, local name)
- County:
- Quantity: (flow and/or volume)
- Period of use:
- Nature of proposed use: (Include description of use)
- Description of diverting works:
- Time required for beneficial use of water:
- Place of use or acres irrigated:
- Map:
- Signature: (If applicant is corp., partnership, or municipality, title of signatory is required)
- Fee:
- Yes ____ No* In form to receipt:

Gov't. Lots:
N P/D
4 P/U

ADDITIONAL INFORMATION

YES	NO	
		NOT CHECKED DUE to EXTENSIVE cond list - This is a proposal to expand Garden City municipal within and outside of city limits.
		Overlapping place of use: (Describe source & relationship to present application on the back.)
✓		Overlapping point of diversion:
		Field check required: Field check by:
		Field report attached:
		Critical groundwater area:
✓		Groundwater management area: Boise Front, cold H2o > 300'
	✓	Diversion within interim protected river area
	✓	Send dam safety information:
	✓	Send power requirement letter:
	✓	Send fish farm requirement letter:
	✓	Power residency affidavit:
	✓	Power efficiency form:
		Within trust water boundary: (If yes, attach Trust Water Supplementary Analysis Sheet.)
✓		Diversion greater than 5 cfs or 500 af: (If yes, attach Large Diversion supplementary analysis sheet.) > 200 ACRES
✓		*REQUEST ADDITIONAL INFORMATION FROM THE APPLICANT
		Large div. INFO Required + questions about Boise H2o CORA well in P/D TRACT.
		DATE REQUESTED: per 3/15/91 Letter (Follow-up to my 10/23/90 letter)
✓		Additional information on reverse side:

RECEIVED
AUG 16 1991
Department of Water Resources

response received 4/15/91

PROCESSING APPLICATION NO. 63-11487

YES NO

✓ ___ In form for advertising:
___ ✓ Statewide advertising:
✓ ___ Fee amount, receipt number and date recorded on application:

SEND COPIES TO

YES	NO		YES	NO	
✓	___	I.D. Health and Welfare	___	✓	U.S. BLM
___	✓	I.D. Fish and Game	___	✓	U.S. Forest Svc.
___	✓	I.D. Lands	___	✓	Water Dist. # ___
___	✓	Adjudication Bureau	___	✓	Other ___

FINAL REGIONAL PROCESSING REVIEW

YES NO

✓ ___ Affidavit of publication received:
✓ ___ Application published correctly: If not, record action taken.

✓ ___ Publication dates and paper recorded on application:
___ ✓ Protests received. Final date for protest April 22, 1991
___ ✓ Protest dates, resolution of protest recorded on application:
___ ✓ Recommendations attached: Approve, DRS
___ ✓ Measuring device required:
✓ ___ Measuring port required:
___ ✓ Water delivered by water master? District #___
✓ ___ Special conditions of approval or cover letter:
O1G, 26A (Allow 5 years) (well drilling permit to issued), 05A, 11E

___ ✓ See below for additional information
Recommended Date or Priority 10/8/1990
Recommended by: DRS Date 8/12/1991

STATE OFFICE REVIEW

___ See below for additional information. By ___ Date ___

ADDITIONAL INFORMATION
P/D OVERLAP 63-11384 BOISE H2O CORP. municipal well - same well?
Requested info per 3/15/91 letter.

→ BOISE RIVER augmentation question - See Applicant's 3/5/91 letter, pg 2, item 4.
Use condition 11E

Steve Lester

HAND-DELIVERED

RECEIVED
MAY 15 1991
Department of Water Resources
Western Regional Office

city of Garden City

"Nestled by the River"

May 10, 1991

RECEIVED
MAY 28 1991
Department of Water Resources
Western Regional Office

K. Mark Mason, P.E.
D.E.Q., Idaho Dept. of H & W
1410 N. Hilton Street, Suite 101
Boise, Idaho 83704
Tel: (208)334-0550

Steve Lester
Sr. Water Resource Agent
Western Region
Idaho Dept. of Water Resources
2735 Airport Way
Boise, Idaho 83705
Tel: (208)334-2190

Dear Mark:

Subject: Garden City Joplin Well No. 10 - Drilling and Pump House
IWR Application - re. 63 - 11487.

Enclosed are plans and specifications for drilling, developing and pump house for the Joplin Well No. 10, located at Chinden Blvd. and Joplin Road.

We plan to use the same building and chlorinator layout as for the recently drilled Riverside Well No. 9.

Sealing of upper stratas from the lower aquifer will be by the same method as proposed for the E. 48th Street No. 5 well. The specifications do require that a shop drawing of the grout plug shall be submitted to the Engineer, prior to grout-sealing the well casing.

I am concurrently, by copy of this letter, submitting a copy of the well drilling specifications to Idaho Dept. of Water Resources, Steve Lester, for his review and issuance of well drilling permit.

Please contact me if you need further discussion, or information at:

Carlyle W. Briggs, P.E.
Garden City Engineer
619 Grove Street
Boise, Idaho 83702-5997
Tel. (208)343-3381 FAX (208)342-5792

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OCT 01 1991

Very truly yours,

Carlyle W. Briggs

Carlyle W. Briggs, P.E.
Garden City Engineer

Encl: 2 sets well specs to H & W
1 set well specs to IWR
2 sets Pump House Dwgs. to H & W

CC: Garden City Clerk - File
Garden City Dir. Public Works - Rick Cummings
IWR - Steve Lester, Western Region

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 20, 1991

Mr. Carlyle W. Briggs, P.E.
Garden City Engineer
619 Grove Street
Boise, ID. 83702-5997

RE: Applications for Drilling Permits

Dear Mr. Briggs:

The applications for drilling permits for wells no. 5 and 10 for the Garden City system were reviewed by this office recently. As we discussed during your recent visit several days ago, each drilling permit requires a $200 fee. Additional water right action will not be necessary to obtain approved drilling permits for wells 5 and 10.

Requests for drilling permits for wells associated with possible contaminated or problem areas in the Garden City area should be approved via Mark Slifka at the IDWR State Office at 1301 N. Orchard. His telephone number is 327-7956. I will forward the applications to him today.

One of your recent letters discussed a possible transfer of water right no. 63-05330, formerly in the name of Zachreson Company but now controlled by the City of Garden City according to our records. To transfer all or part of this right to another well(s), an application for transfer should be filed through this department. Enclosed are an application form and copy of right no. 63-05330.

Please let me know if additional help is needed.

Sincerely,

Steve Lester
Sr. Water Resource Agent

Enclosure: Application for Transfer and Right No. 63-05330

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MAY 28 1991
Department of Water Resources
Western Regional Office

CC: Mark Slifka, Ground Water Protection Section, IDWR

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OCT 01 1991

MEMORANDUM

FROM: STEVE LESTER
TO: DAVE TUTHILL
DATE: MAY 16, 1991
SUBJECT: DRILLING PERMITS FOR CITY OF GARDEN CITY

Attached are two drilling permit applications (with attachments) to deepen a well and to drill a new well in Garden city for municipal water right use under license no. 63-08005 and municipal plus other uses via application no. 63-11487.

The licensed P/D is in Lot 14 SENE S. 31 and is known as well #5. It is proposed to deepen the recently contaminated well to about 800'. The well can be deepened without additional changes to the license. A recent transfer application, now at the S.O. for final action, was filed to add a well in SWNESE S. 23 to the license. This is well #9 or the Riverside well drilled under 63-90-W-119. A $10 test well drilling permit was issued on 5/25/90 for this well. THe 5/1/91 letter signed by C. Briggs, P.E., states that well #9 will be put into production in the near future. An additional $90 is required for production purposes associated with well #9 (per $100 drilling permit fee prior to 7/1/90). The transfer application should not be approved until the fee is paid.

OK per 63-90-W-195, $200 ✓ 5/16/91 S.L.

A drilling permit for a new well, well #10 or the Joplin well for application no. 63-11487 (municipal and other uses within and outside of Garden City), is requested with a second letter dated 5/10/91. The attachment to this drilling permit refers to specifications in well #5 attachment.

Carlyle Briggs visited the office yesterday to discuss these permits. He will obtain a $400 check for two permits. According to Mark Slifka, additional conditions should be added to the drilling permits to protect against contamination of the deeper water bearing zones(s). Can you add these conditions to the permits? Can the permits be approved once conditions are added and fees are paid?

Other items, such as ~~the $90 for well #9 and~~ Carlyle's reference to transferring right no. 63-05330 (not 050330), will be addressed with a letter to City of Garden City.

5/16/91

Steve

1. It strikes me that the additional fee required for well #9 should be 190, as the well was likely drilled after 7/1/90. ~~Should~~ we discuss?

2. ~~Mark Slifka~~ has been working with Garden City, etc. re: contamination of the aquifer. For the addition of the special conditions of approval we should probably route through the S.O. The permits can be approved at that point, from my standpoint. Dave

OCT 01

Form 235-1

7/90

Drilling Permit No. 63-91-Z-087

Water Right Permit No. 63-11487 (Application pending)

Injection Permit No. _____

Well No. 10

RECEIVED
MAY 23 1991
Department of Water Resources

State of Idaho
Department of Water Resources

RECEIVED
MAY 28 1991
Department of Water Resources
Western Regional Office

APPLICATION FOR DRILLING PERMIT

1. **Applicant (please print)** Garden City, Idaho

2. **Mailing Address** 201 E. 50th Street, Water and Sewer Dept.

Garden City, Idaho 83714 Telephone (208)377-1831

(X) Well Owner ( ) Well Operator ( ) Other, specify _____

3. **Proposed well location** NE 1/4 NE 1/4, or Gov't Lot No. _____

Sec. 27, Twp. 4N, Rge. 1E, County Ada

Street Address of Well Site Joplin Road

Lot, block and subdivision A tract of land, that portion of the NENE Sec. 27, T4N, R1E, B.M., lying North of Chinden Blvd.

4. **Proposed use of well:**

( ) Domestic: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diverstion rate of 0.04 cfs and a diversion volume of 2500 gpd.

(X) Non-Domestic: Any beneficial use not included within the definition of domestic. Municipal Uses #10 Well

( ) Injection

( ) Monitoring - A well bore schematic and map is required for each well.
No. of proposed wells: _____

5. **Well construction information:**

A. (X) New well ( ) Deepen ( ) Replace - See Condition 9

B. Proposed Surface Diameter 16 inches Proposed Maximum Depth 800 feet

C. Anticipated bottom hole temperature:

(X) 85°F or less (Cold water well)
( ) 85°F to 212°F (Low temp. geothermal well)
( ) 212° or more (Geothermal well)

OCT 01 1991

6. **Construction Start Date** ~~June 15, 1991~~ → September ~~July~~ 8, 1991

7. **Anticipated Well Driller** Bids being advertised, will advise driller name, when award is made.
NOTE: The actual well driller must be identified prior to drilling.

8. **Applicant's signature** Carlyle W. Briggs Date May 5, 1991

Title Carlyle W. Briggs, P.E., Garden City Engineer
(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is **APPROVED** Date ~~July 8~~ May 23, 1991

If approved, this permit authorizes the constuction or modification of a well subject to the following conditions. READ CAREFULLY!

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.
3. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Approval of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
8. If a bottom hole temperature of 85° or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rules and Regulations.

SPECIFIC CONDITIONS:

10. Water cannot be diverted from this well until application for permit no. 63-11487 is approved.

11. Changes to construction plans must be discussed with the IDWR prior to implementation.

Idwik A. Reese
Signature of Authorized Department Representative

MANAGER
GROUNDWATER PROTECTION SECTION
Title

Receipt No. 020579 Receipted by J.D. Fee $100 Date 5/23/91

OCT 01 1991

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension is good for 60 days beyond the above extension approval date.

STATE OF IDAHO

DEPARTMENT OF HEALTH
AND WELFARE

DIVISION OF ENVIRONMENTAL QUALITY
TREASURE VALLEY AREA OFFICE
1410 N Hilton, Suite 101
Boise, Idaho 83706-1290
(208) 334-0550

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Department of Water Resources
Western Regional Office

April 22, 1991

RECEIVED
APR 2 3 1991
Department of Water Resources
Western Regional Office

Mr. David R. Tuthill
Western Region Supervisor
Dept. of Water Resources
Boise, ID 83720

STATEHOUSE MAIL

RE: No 63-11487 (Garden City)

Dear Mr. Tuthill:

This office has reviewed the above referenced application and has no objections to this appropriation. However, plans and specifications for this public water system well must be reviewed and approved by this office prior to the start of construction.

Sincerely,

Jon Wroten
Water Quality Compliance Officer

JW:kg

cc: Craig Shepard, Boise Field Office
Paul Jehn, Central Office

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OCT 01 1991

B. & A. Engineers, Inc.

CONSULTING ENGINEERS AND SURVEYORS
CONTRACT MANAGEMENT
619 Grove Street
Boise, Idaho 83702

TELEPHONE — (208) 343-3381 • 342-5792

RECEIVED
APR 15 1991
Department of Water Resources
Western Regional Office

April 12, 1991

Steve Lester
Sr. Water Resource Agent, Western Region
Idaho Dept. of Water Resources
2735 Airport Way
Boise, Idaho 83705
Tel. (208) 343-2190

Dear Steve:

Subject: Garden City Joplin Well No. 10. Your Letter of March 15, 1991.

The following additional information concerning the subject well is provided as follows, referencing the indicated "Water Appropriation Rules", sections:

Sec. 4,5,3,1: Information relative to the effect on existing water rights, Sec. 42-203a(5)(a), Idaho Code shall be submitted as follows:

Sec. 4,5,3,1,2: A plat was submitted with our application, and then an aerial photo map was marked by Idaho Water Resources staff. These maps do not show any wells, springs or permitted wells within a one-half mile radius of the proposed well, and there are none, to our knowledge.

Sec. 4,5,3,1,3: There are no other deep wells in this general area. Garden City proposes to tap and use only deep aquifers in order to avoid possible future well water contamination from shallow aquifer waters, and to avoid drawing any water from Boise River channels or inflow sources.

Sec. 4,5,3,2,: Information relative to sufficiency of water supply, Sec. 42-203A(5)(b) Idaho Code as follows:

Sec. 4,5,3,2,1: All water supplied and used for sprinkling irrigation purposes in an urban area, as supplied by Garden City, will be supplemental to any existing surface water or individual waters used by property owners. As the area builds up to higher population density, most people will rely on the municipal water source for domestic, commercial, fire and sprinkler irrigation uses. Irrigation ditches will eventually be abandoned because there will not be enough people using ditch water to afford the expense of long ditches to serve only a very few people. the presently developed portions of Garden City, and Boise, are excellent examples of what will happen in the subject well service area. When ditches are abandoned, then these amount of surface water will flow directly down the Boise River channel and will augment the river flows. Water withdrawal from the subject well will be modest at first, and then will increase to the full

OCT 01 1991

Large Diversion Response for 63-11487

maximum amount applied for as the area developes. Also, as the area developes it will be necessary to locate and drill several additional wells to meet increasing area water needs. These additional wells will be drilled and developed in areas where demands for more water occur. It is expected that the subject well will be approaching, or will be at full time maximum capacity operation at least during the irrigation season, within the 5 year period of time request for establishing beneficial use.

Sec. 4,5,3,2,2: The quantity of water available from the source applied for will, if possible, be developed from the well proposed to be drilled. As stated above, the quantities of surface waters now in use will decrease as higher density urban development takes place, and sprinkler irrigation from the Garden City pressurized municipal water system will replace ditches, corrugated and dikes irrigation presently used in agricultural fields. Since there are no known deep wells in this area we must pioneer. We expect to drill through several hundred feet of blue shale-clay stratum, and then develop water from blue and grey sands underlying the shale cap. New EPA regulations pertaining to water quality would require extensive treatment of any surface waters before they could be dispensed through any municipal water system. The Garden City water system pipes are of adequate size to carry irrigation sprinkling water, since they must be sized for fire flows, and can carry irrigation water without having to be enlarged just to carry irrigation water.

Sec. 4,5,3,3: Information relative to good faith, delay, or speculative purposes of the applicant, Sec. 42-203A(5)(c), Idaho Code as fpllows:

Sec. 4,5,3,3,1: This section does not really apply to a municipal water system, which is non-profit, non-speculative, and does not own any of the lands served. Instead, it is the lands served who collectively own the city government and municipal water system. The city has rights of emminent domain, and can obtain all necessary rights-of-way for its water distribution system.

Sec. 4,5,3,3,2: It is not known, at this time, that any additional permits, licenses or approvals are needed from anyone other than Idaho Dept. of Water Resources present applications, and Idaho Dept. of Health & Welfare approvals of plans and specifications for construction.

Sec. 4,5,3,4: Information Relative to Financial Resources, Sec. 42-203A(5)(d), Idaho Code is submitted as follows: Garden City is a municipal corporation, chartered by the Ada County Commissioners and District Court in accordance with Idaho law. the Garden City water and sewer department is an enterprise fund, administered by the city and has adequate funding currently available to construct the proposed well and connecting pipelines.

Sec. 4,5,3,4,1: N.A.

Sec. 4,5,3,4,2: N.A.

OCT 01 1991

B. & A. Engineers, Inc. 619 Grove Street Boise, Idaho 83702

Sec. 4,5,3,5: Information Relative to Conflict with the Local Public Interest, Sec. 42-203A(5)(e), Idaho Code is submitted as follows:

Sec. 4,5,3,5,1: the applicant is the public body indicated to be contacted. The applicant, by submittal of the subject application has evidenced its interest and approval of the subject project. the Idaho Dept. of Fish and Game are not involved or affected by development of underground well water sources, which are conveyed by a municipal water distribution system. the Idaho Dept. of Health and Welfare, Environmental Division, will review and approve all well and water system plans prior to construction. The Thurman Mill Ditch Co. conveys water through portions of the service area, south of the Boise River. Individuals check water out of the canal. the Boise Valley Ditch Co., Dry Creek Canal, and Farmers Union Ditch Co. convey water through portions of the service area north of the Boise River. Individuals also check water out of these canals for surface irrigation. The entities work on a continual basis with the city to review and determine how each development will affect everyone, as development construction progresses. Developers, engineers and owners are also required to work with each irrigation entity affected by their development.

COMMENT: I believe the above covers all of the items requested, but if something further is needed, please contact me.

Very truly yours,

Carlyle W. Briggs, P.E.
Garden City Engineer



cc: G. City Clerk, O'Leary
Dir. Pub. Wks., Cummings
Mayor, Jay C. Davis

OCT 01 19

63. 11487

Form No.
7/87

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

CHECKLIST OF REQUIREMENTS LARGE DIVERSION SUPPLEMENTARY ANALYSIS SHEET*

EFFECT ON EXISTING RIGHTS

☐Yes ☐No Springs/surface streams with 5 or less existing users
N/A
- ☐Identify number of impacted rights
- ☐Name and address of users
- ☐Location of points of diversion
- ☐Nature of use of the existing rights

☑Yes ☐No Groundwater
- ☐Plat showing proposed well and any other wells &/or springs within ¼ mile radius

☑Yes ☐No Statement of design construction, or operation techniques which will be used to reduce impact on existing rights
intent to utilize deeper aquifer

Per well logs:
S. 27 NE¼ = 4 logs
S. 26 W½NW¼ = 11 logs
S. 22 S½SE¼ = 2 logs

SUFFICIENCY OF WATER SUPPLY

Water Requirements of Proposed Project
- ☑Required diversion rate during peak use (Maximum rate)
- ☑Required diversion rate during average use period
- ☑Annual volume
- ☑Season of use
- ☑Volume to be consumptively used/year

Quantity of Water Available from Source
- ☑Flow rates for surface water sources available during peak and average water demand period
- ☑Properties of aquifers
- ☑Other sources available for supplementation Boise River Rights e.g. Thurman Mill Ditch Co.

general info found in response

GOOD FAITH, DELAY OR SPECULATION

☑Copies of deeds, leases, easements, and right-of-ways from IDH&W will be involved

☐Power applications affidavit form 205/206 is required

☐Yes ☐No Other needed permits, licenses, or approvals required. If yes, N/A.

FINANCIAL RESOURCES

- garden City municipal comp. so problems not anticipated

- ☐Current certified financial statement
- ☐Financial commitment letter/financial statement from committed party
- ☐Project design/plans along with cost estimation to complete project

*For applications of more than 5 cfs. or more than 500 AF.

63-11487

LOCAL PUBLIC INTEREST

Comments received from: NONE YET

- ☐ City
- ☐ County
- ☐ Reservations
- ☐ Idaho Fish & Game
- ☑ Idaho Health & Welfare
  Division of Environment
  Anticipate will be involved
- ☐ Irrigation District
- ☐ Canal Company
- ☐ Other _____

Project impacts/implications report

COMMENTS

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 10, 1991

Idaho Dept. of Health & Welfare
Division of Environment
Statehouse
Boise, ID 83720

Re: Application for Permit No. 63-11487 in the name of City of Garden City, Idaho

Dear Sir:

Enclosed is a copy(s) of the above-referenced application(s) for permit which may be of interest to your agency. Please review the application(s) and submit any comments you may have.

This office normally completes the processing of an application within a six-week period and is required to take final action shortly thereafter, however, if your agency desires to file a formal protest against the approval of this application(s), your written protest must be received in this office by April 22, 1991.

If you have any questions regarding the application, please contact this office.

Sincerely,

David R. Tuthill

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT:st

Enclosure(s):

OCT 01 1991

63-11487

CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY, ID 83714

Source: GROUNDWATER

Diversion Pt. NENE Sec 27 T 04N R 01E

Use:		
	IRRIGATION	(4.500 CFS)
	COMMERCIAL	(4.500 CFS)
	MUNICIPAL	(4.500 CFS)
	DOMESTIC	(4.500 CFS)
	FIRE PROTECTION	(4.500 CFS)
	Total Diversion:	(4.500 CFS)

Date Filed: 10/ 8/ 1990

IN: Municipal within the city of Garden City.
Irrigation (469 acres), Commercial, domestic, fire protection within:

T3N R2E S4 LOT 9 (SWSW)
S9 LOT 10 (NWNW)

T4N R1E S13, S14, S22, S23, S24, all tracts within these sections.

T4N R1E S25 NE1/4, NWNW, SE1/4
S26 N1/2NE1/4, SWNE, N1/2NW1/4, SENW, E1/2SE1/4
S27 N1/2N1/2
T4N R2E S18 all tracts within this section.
S19 Lots 1-4 (W1/2W1/2)

This ad was sent to paper to cut down on the cost of advertising.

OCT 01 1991

63-11487

CITY OF GARDEN CITY
201 E. 50TH ST.
GARDEN CITY, ID 83714

Source: GROUNDWATER

Diversion Pt: NENE Sec 27 T 04N R 01E

Use: IRRIGATION (4.500 CFS)
COMMERCIAL (4.500 CFS)
MUNICIPAL (4.500 CFS)
DOMESTIC (4.500 CFS)
FIRE PROTECTION (4.500 CFS)
Total Diversion: (4.500 CFS)

Date Filed: 10/ 8/ 1990

In:

T03N R02E	S04	Lot 9	(SWSW)							
	S09	Lot 10	(NWNW)							
T04N R01E	S13		NENE			NWNE			SWNE			SENE
			NENW			NWNW			SWNW			SENW
			NESW			NWSW			SWSW			SESW
			NESE			NWSE			SWSE			SESE
	S14		NENE			NWNE			SWNE			SENE
			NENW			NWNW			SWNW			SENW
			NESW			NWSW			SWSW			SESW
			NESE			NWSE			SWSE			SESE
	S22	Lot 1	(NENE)	Lot 2	(NWNE)	Lot 7	(SWNE)	Lot 9	(SENE)	
		Lot 3	(NENW)	Lot 4	(NWNW)	Lot 5	(SWNW)	Lot 6	(SENW)	
		Lot 10	(NESE)	Lot 11	(NWSE)					
	S23		NENE	Lot 2	(NWNE)	Lot 2	(SWNE)	Lot 1	(SENE)	
		Lot 3	(NENW)	Lot 4	(NWNW)	Lot 4	(SWNW)	Lot 6	(SENW)	
			NESW	Lot 8	(NWSW)	Lot 9	(SWSW)	Lot 10	(SESW)	
			NESE	Lot 7	(NWSE)		SWSE	Lot 11	(SESE)	
	S24		NENE			NWNE			SWNE			SENE
			NENW			NWNW			SWNW			SENW
		Lot 3	(NESW)	Lot 4	(NWSW)	Lot 5	(SWSW)	Lot 3	(SESW)	
			NESE			NWSE	Lot 2	(SWSE)	Lot 1	(SESE)
	S25	Lot 1	(NENE)	Lot 3	(NWNE)			SWNE	Lot 2	(SENE)
		NWNW	NESE			NWSE			SWSE			SESE
	S26		NENE			NWNE			SWNE			NENW
			NWNW			SENW			NESE			SESE
	S27		NENE			NWNE			NENW			NWNW
R02E	S18		NENE			NWNE			SWNE			SENE
			NENW	Lot 1	(NWNW)	Lot 2	(SWNW)			SENW
			NESW	Lot 3	(NWSW)	Lot 4	(SWSW)			SESW
			NESE			NWSE			SWSE			SESE
	S19	Lot 1	(NWNW)	Lot 2	(SWNW)	Lot 3	(NWSW)	Lot 4	(SWSW)	

ACRES TOTAL

GAIL - FOR P/U IN ADVERTISEMENT

1) Municipal - within City of Gaviota City

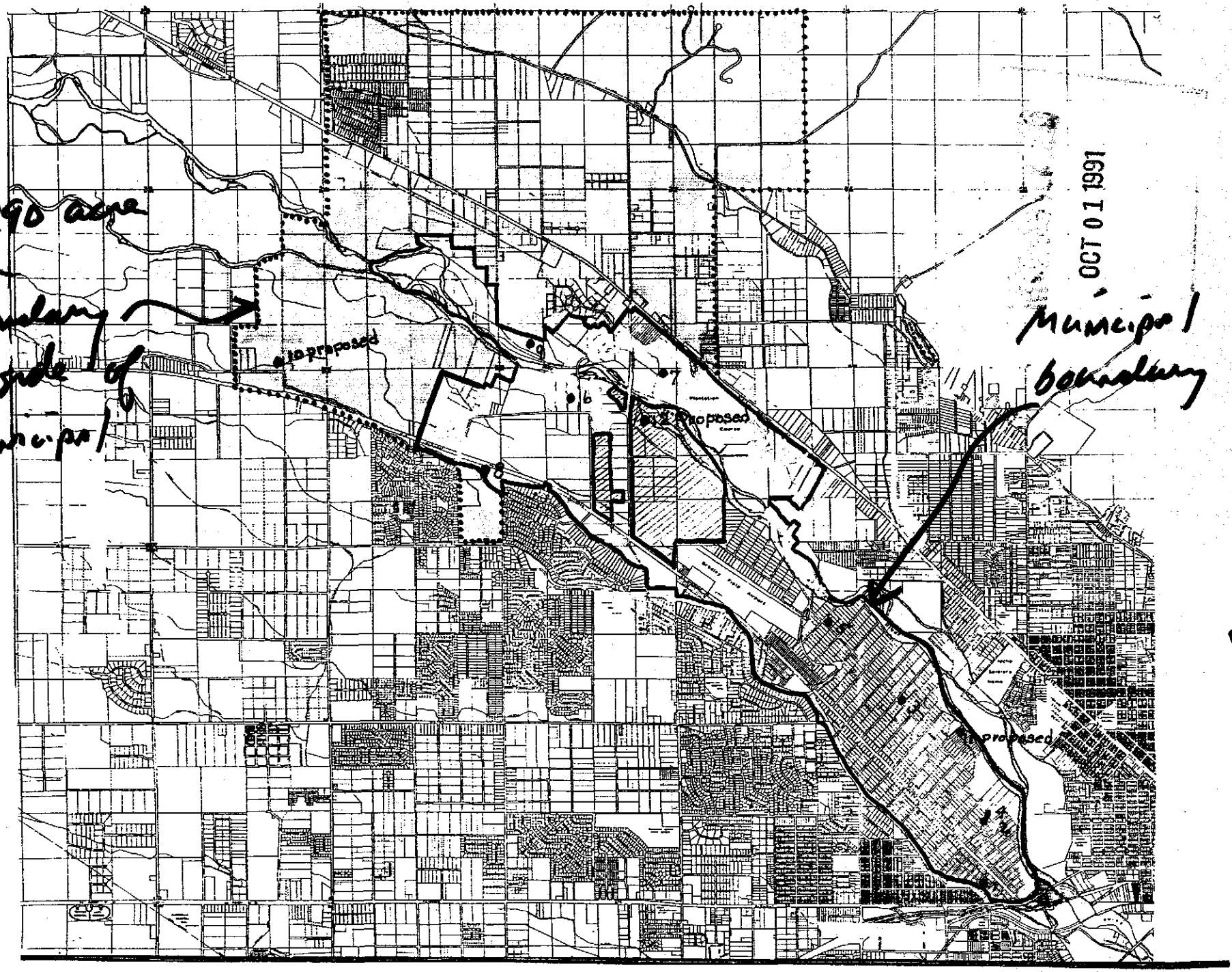
2) Irrig (469 Acres), commercial, domestic, fire protection within:

T3N	R2E	5.4	L.9 (SWSW)
		5.9	L.10 (NWNW)
T4N	R1E	5.13	all of sections, don't worry about govt lots
		5.14	
		5.22	
		5.23	
		5.24	
		5.25	NE 1/4, NWNW, SE 1/4
		5.26	N 1/2 NE 1/4, SWNE, N 1/2 NW 1/4, SENW, E 1/2 SE 1/4
		5.27	N 1/2 N 1/2
T4N	R2E	5.18	all
		5.19	Lots 1-4 (W 1/2 W 1/2)

See attachment A in appl. for # acres/QQ

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OCT 01 1991

SL
3/15/91



GARDEN CITY

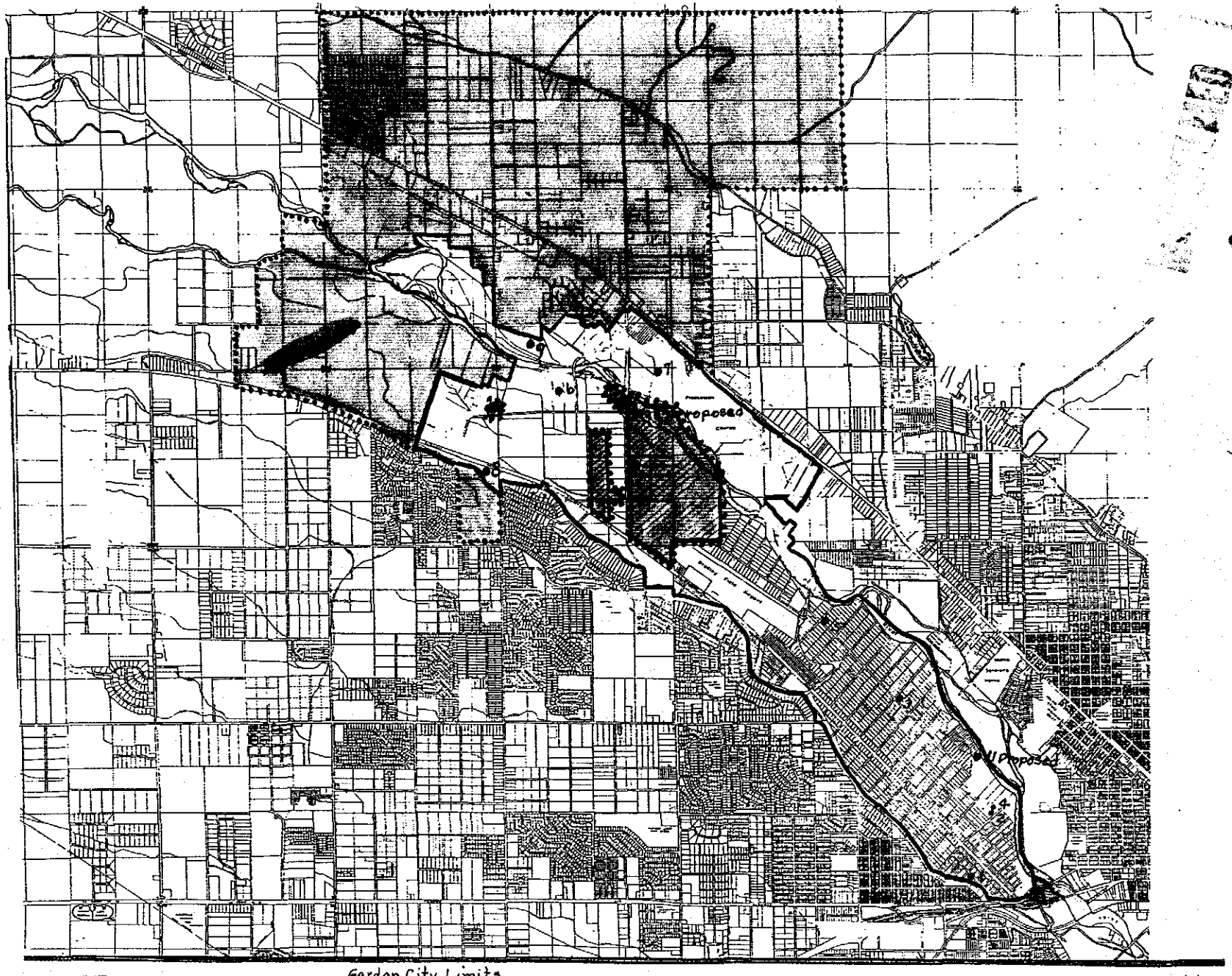
Areas Not Yet Annexed

CWB 10-4-90 Thurs.

Scale: 1"= ± 3,100'

Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 4-30-90

Applicant's maps
replaced by
orthophoto 3/15/91
per applicant's
3/5/91 letter



OCT 01 1991

GARDEN CITY

Garden City Limits

Service Area Outside of Garden City Limits

● 3 Well & No.

Scale: 1"= ± 3,100'

Areas Not Yet Annexed

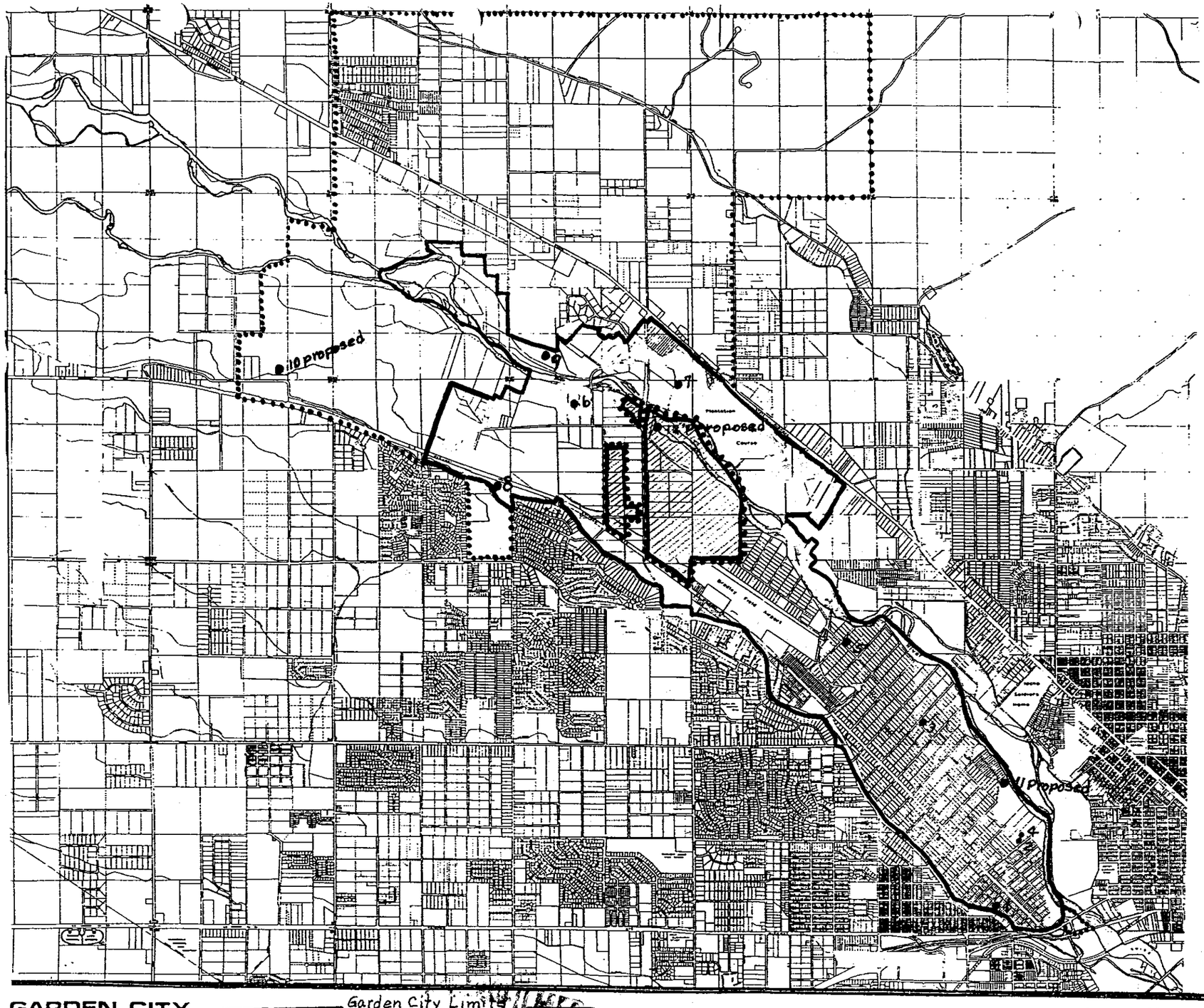
CWB 10-10-90

Garden City, Idaho

Annexation Ord. 537

Approved:

Published: 4-30-90



GARDEN CITY

Garden City Limits

Service Area Outside of Garden City Limits

● 3 Well & No.

Areas Not Yet Annexed

Scale: 1"= ± 3,100'

Garden City, Idaho

Annexation Ord. 537

Approved: 3-12-90

Published: 4-30-90

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

March 15, 1991

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

Mr. Carlyle W. Briggs
Garden City Engineer
619 Grove St.
Boise, ID. 83702

RE: Application for Permit No. 63-11487
Large Diversion Information Requirement

Dear Mr. Briggs:

Thank you for your recent response for the Garden City application for permit. The application will be advertised and processed but cannot be approved until additional information is submitted.

Based on Idaho Code 42-203A(5)(a-e), additional information is needed for applications for permit involving irrigation of more than 200 acres and/or diversions exceeding 5.00 cfs or 500 acre-feet of storage. In application 63-11487, the irrigation of approximately 469 acres described in your recent letter triggers the requirement in 42-203(5)(a-e). Please provide information relating to the proposed water right as outlined in the attached copy of Water Appropriation Rules 4,5,3,1 through 4,5,3,5,1. This covers the following items:

a) effect on existing water rights,
b) sufficiency of water supply,
c) good faith, delay, or speculative purposes,
d) financial resources,
e) local public interest.

You may summarize any of the answers with a brief statement where appropriate.

Also, Boise Water Corporation has or intends to have a deep municipal well in the same quarter-quarter mentioned in the Garden City application. Is this a separate well from the Garden City well or is one well for both parties involved?

Please let me know if I can do anything for you in this regard. A response within 30 days would be appreciated.

Sincerely,

Steve Lester
Sr. Water Resource Agent

Enclosure: Large Diversion Information Requirement

RECEIVED
OCT 01 1991

B. & A. Engineers, Inc.

CONSULTING ENGINEERS AND SURVEYORS
CONTRACT MANAGEMENT
619 Grove Street
Boise, Idaho 83702

TELEPHONE — (208) 343-3381 • 342-5792

RECEIVED
MAR 11 1991
Department of Water Resources
Western Regional Office

March 5, 1991

Steve Lester
Sr. Water Resource Agent
Western Region, Idaho Dept. of Water Resources
2735 Airport Way
Boise, Idaho 83705
Tel. (208)334-2190

Dear Steve:

Subject: Garden City Joplin Well No. 10, your letter of October 23, 1990.

The following discussion conforms to items numbered in the subject letter:

1. The Joplin Well No. 10 site is in Section 27, SENENE, T4N, R1E, B.M., Ada County, Idaho. The location marked on the "project map" is in error, and is corrected on the enclosed copy. The correct location has also been marked on Map #1.

2. It is not known at this time as to whether Wells #11 and #12 will be developed within the next five years time. Therefore, we do not intend to include them in this application, but did want you to know of our future plans and sites available to us.

RECEIVED
OCT 01 1991

3. We agree with the proposed listing of water uses:

Municipal	4.50 cfs	1/1 - 12/31
Domestic	4.50 cfs	1/1 - 12/31
Commercial	4.50 cfs	1/1 - 12/31
Fire Protection	4.50 cfs	1/1 - 12/31
Irrigation	4.50 cfs	3/15- 11/15

Total flow not to exceed 4.50 cfs.

The following estimates of water useage in the area outside of the present Garden City Municipal limits are as follows:

A. Domestic - is based on 4,290 gross acres times an ultimate development averaging three homes per acre and three people per home, which results in

Capita - Ultimate	38,610
Homes - Ultimate	12,870
Land Area - Ultimate Gross Acres	4,290

implies that units 2 item 3E are included in this

B. If we assume that 20% of the ultimate use will be developed and using

FL 3/15/91 → $\frac{(2574 \text{ units})(7000 \text{ ft}^2 \text{ irrigated/unit})}{43560 \text{ -2- ft}^2/\text{Ac}}$ = 414 acres within 5 yrs.

water within the next five years time, then

Capita - 5 years	7,722
Homes - 5 years	2,574
Land Area - 5 years, Acres	858

acres × 3 lots/ac = 2574 domestic units

C. The average net lot size, at three lots per acre, is about 10,000 S.F. Deducting for house, driveway, patio, sidewalks etc., leaves about 7,000 S.F. per lot to be irrigated, or approximately 0.16 acre per lot, at an irrigation water duty of 1.00 Miners Inch per acre.
4.50 cfs x 50 inches per cfs = 225 Miners Inches available.
Rate of irrigation equals 0.16 M"/Home x 3 Homes/Ac. = 0.48 M"/Ac.
Therefore 225 M" ÷ by 0.48 M"/Ac. = 468.75 Gross Acres can be irrigated with 4.50 cfs, during the next estimated five years time.

go with applicant's larger figure due to uncertainties in estimate & development

D. We do not know where development will take place during the next five years time, in the 4,290 gross acre area. Therefore we need to include the entire area in our application. I presume that when "Proof of Beneficial Use" is made, we can show areas actually served and using water at that time.

E. We have estimated present domestic use as follows:

	Presently Served	Not Presently Served
1. Homes	550	298
2. Offices	14	6
3. Businesses	34	18
4. Shopping Centers	1	0
5. Churches	?	?
6. Etcetera		
Total	599	322
Total in 4,290 Acre Area Presently -	921	

4. Boise River augmentation should not be necessary for Well No. 10, since it will be drilled and developed into deep stratas that are separated from ground surface and the river bed by several hundred feet depth of blue clay and shale rock. Upper water bearing stata, 200 to 400 feet depth, will be cased and sealed off very carefully, because we do not want any contaminated surface related water to enter the well. Also, surface related flows from our presently unused No. 5 Alworth well, down to 200 feet depth, will now add to the surface related waters, since these waters are contaminated, for domestic use, and will probably not be used again by Garden City. We do expect to redevelop more water from greater depths, 400 - 600 feet, in the No. 5 well, but will very carefully seal off any flows above the top surface of the blue shale stratum from 200 feet to ground surface. We should also remember that as each new municipal water service is connected, there is that much less irrigation water being used from ditches and historical water supplies. In fact, there will be several times the amount of ditch irrigation water returned to the river than is used from the municipal water system. As each parcel of land is subdivided and built upon, there are areas of roads, streets, driveways, buildings, patio areas, etc., that no longer need to be irrigated. Thus, the installation of municipal well facilities greatly decreases consumptive uses along the river, and result in increased river flows downstream.

OCT 01 1990

Please contact me if you need further information. Spring is now just around the

corner and we need to move rapidly now in order to have enough water supply for the coming summer demands.

Very truly yours,



Carlyle W. Briggs, P.E.
Garden City Engineer

CWB:pc

CC: Garden City Clerk
Rick Cummings
Mayor Jay C. Davis

Enc: two maps

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

October 23, 1990

Mr. Carlyle W. Briggs, P.E.
Garden City Engineer
619 Grove St.
Boise, ID. 83702

RE: Application for Permit for City of Garden City

Dear Mr. Briggs:

The recent application for permit for a municipal well for Garden City can be advertised and processed based on your response to the following points. Please respond within 30 days to avoid delays in the application process.

1. The **location of well #10** is unclear. The application map (typed) shows the well in S. 27 NENE but the project map (copy attached) shows the well in S. 22 SWSE north of Joplin Road and Warm Springs Canal. Consult the enclosed maps and mark the well site on map #1.

2. Proposed **wells #11 and 12** appear on the project map. These wells may be included in this application if they will serve the common delivery system and will be developed within the same time frame (not to exceed five years). If the wells will be included in this application, please mark the sites on maps 1 or 2 as appropriate.

3. **Municipal use** is restricted to within the Garden City boundary. Uses within the 4,290 acres outside of the boundary must be redefined. After discussing this with the Regional Manager, I suggest that **domestic, irrigation** (yards etc.), **commercial**, and **fire protection** uses will provide the necessary coverage in the 4,290 acres. However, any application that includes more than 200 acres of irrigation requires additional information as outlined in Idaho Code 42-203A(5)(a-e). Let me know if **200 acres** (within the 4,290 acres) and the associated irrigation maximum of **4.00 cfs** sufficiently describe the intended irrigation. Also, please provide the estimated **number of domestic units** (which can include homes, offices, businesses, churches, etc.) included in the 4,290 acres. This information is necessary to establish a maximum domestic flow rate. I will use the information to modify the application as follows:

Municipal	4.50 cfs	1/1-12/31	
Domestic	≤4.50 cfs	1/1-12/31	(cfs depends on # units)
Commercial	4.50 cfs	1/1-12/31	
Fire Protection	4.50 cfs	1/1-12/31	
Irrigation	2.00 cfs	3/15-11/15	(for 200 acres; or up to 4.50 cfs based on # of irrigated acres; **specify # acres if >200**)

Total flow not to exceed 4.50 cfs.

The above description or a modified version thereof will provide the complete coverage for the municipal expansion and additional service area.

OCT 31 1990

* will need to specify # acres in appl. process due to augmentation quantity to be determined SR 10/24/90

4. **Boise River augmentation** must be addressed. Applications for consumptive use of ground water utilizing diversion points close to the Boise River and upstream from the Star Bridge are treated as requests for water tributary to the river. Because the Boise River is fully appropriated along the river reach ending at the Star Bridge, the Department cannot approve such applications until the applicant submits an acceptable augmentation plan outlining a method to offset the loss from the river system. The purpose of the requirement is to protect senior water rights based on the river. Wells #10, 11, and 12 are considered tributary to the river unless the applicant clearly demonstrates otherwise.

See pg 2 of application 3/5/91 letter

Domestic, commercial, and fire protection are essentially nonconsumptive and do not require augmentation. When licensed, municipal rights do not include a volume component and therefore **might** be considered exempt from augmentation. However, I am not sure about the role of augmentation in municipal rights at this time. Irrigation uses are consumptive and must include an augmentation component. A firm plan does not need to documented at this time but will be part of the application approval process. The method and extent of augmentation must be outlined in this process. The applicant should be thinking about possible steps to take concerning augmentation.

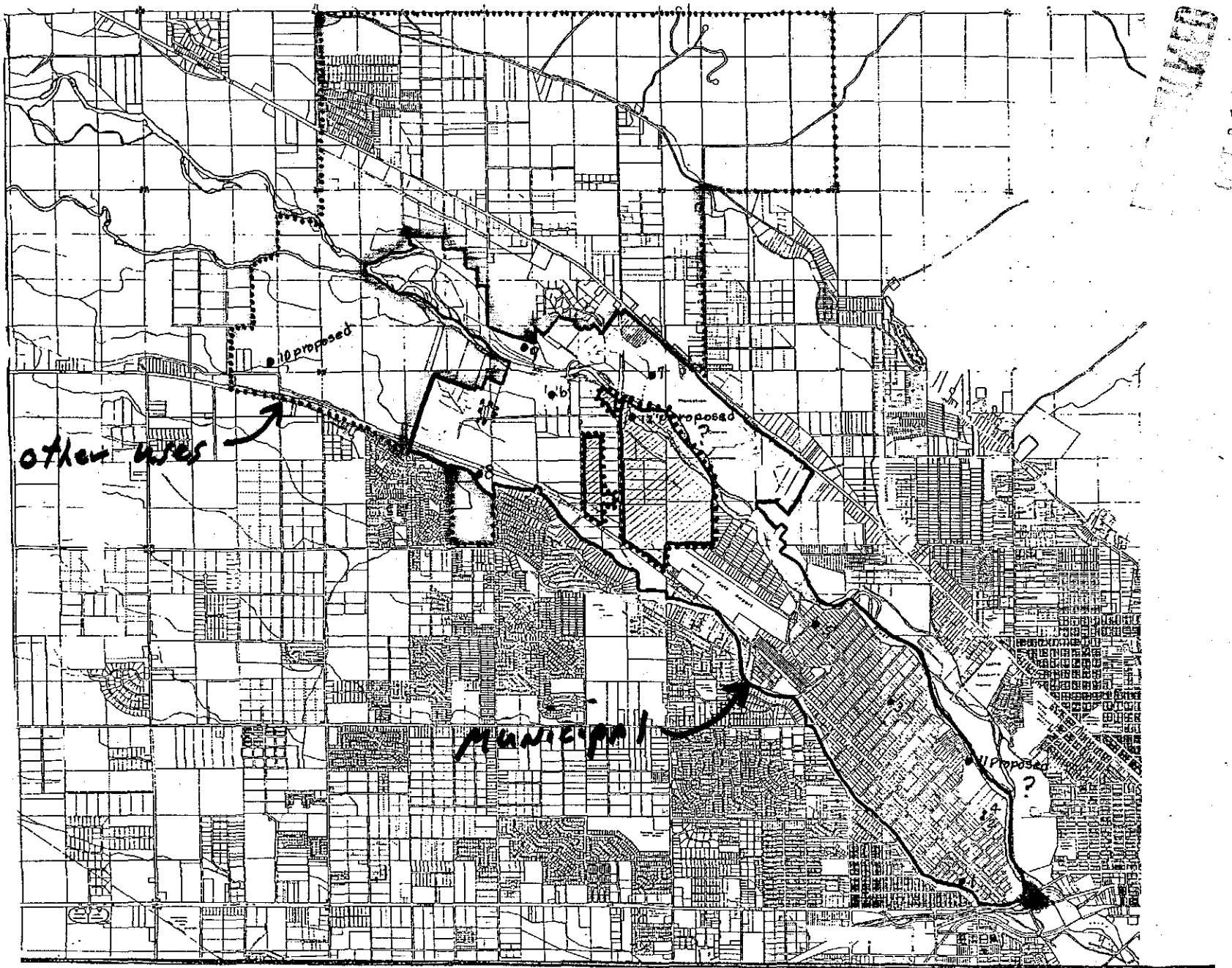
Please provide answers to items 1 through 3 and be thinking about item 4. When maps 1 and 2 and other information are returned to me, the modified application will be advertised and processing will continue. Feel free to contact me for more information.

Sincerely,

Steve Lester
Sr. Water Resource Agent

Enclosures

OCT 01 1991



GARDEN CITY

Garden City Limits

Service Area Outside of Garden City Limits

● 3 Well & No.

Areas Not Yet Annexed

Scale: 1" = ± 3,100'

CWB 10-10-90

Garden City, Idaho

Annexation Ord. 537

Approved:

Published: 4-30-90

05 [redacted] 99 1238 6390

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below: 10-9-90, 12:39:49

Attachment to Application for Well Permit - Garden City, Joplin Rd. Well No. 10

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	2E	4											10						10
3N	2E	9						3											3
4N	1E	13	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
4N	1E	14	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
4N	1E	22	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
4N	1E	23	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
4N	1E	24	40	40	40	40	40	40	40	40	40	40	10	5	35	40	5	5	500
4N	1E	25	10	20	15	35		5							40	25	12	40	202
4N	1E	26	10	15	5		40	40		10					15			40	175
4N	1E	27	20	15			10	5											50
4N	2E	18	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
4N	2E	19						40	40			40	30						150

Total 4,290

10-11-90 Thurs

For David Tuthill

Attachment to G. City Well #10 Application on 10-9-90

RECEIVED
OCT 01 1991
Regional Office

Correct land list per maps 1 & 2, SEE ATTACHMENT A

63-11487

Garden City, Ada County, Idaho

CONSTRUCTION OF JOPLIN WELL NO. 10

Location: Chinden Blvd. & Joplin Street

Bid Opening: June 10, 1991

AT GARDEN CITY MUNICIPAL BUILDING
201 East 50th Street

Engineer:

Carlyle W. Briggs, P.E.
B. & A. Engineers, Inc.
Briggs Engineer Building
619 Grove Street
Boise, Idaho 83702
Tel. 208-343-3381

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OCT 01 1991

Owner:

GARDEN CITY, IDAHO
Mayor: Jay C. Davis
Clerk: David O'Leary
Dir. Public Works: Rick Cummings
201 East 50th Street
Tel. 208-377-1831

RECEIVED
MAY 28 1991
Department of Water Resources
Western Regional Office

Garden City, Ada County, Idaho

CONSTRUCTION OF JOPLIN WELL NO. 10

TABLE OF CONTENTS

ADVERTISEMENTS FOR BIDS:

GC GENERAL CONDITIONS:

TS-S SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF SEWERS AND STANDARD SEWER DRAWINGS.

TS-W STANDARD TECHNICAL SPECIFICATIONS FOR WATER PIPES, ACCESSORIES, MATERIALS, INSTALLATION, AND STANDARD WATER DRAWINGS.

See General Conditions and Standard Technical Specifications for Construction of Sewers and Water Pipes, Accessories, Materials, Installation, Garden City, Idaho, on file and available for purchase at the Garden City Clerk's office.

SP SPECIAL PROVISIONS: Materials, Workmanship, Engineer

BI SPECIAL PROVISIONS:

BI-0: Contract Time, Bid Items Explained
BI-1: Description of Bid Items and Work

BEGINNING OF CONTRACTOR PROPOSAL:

Notice to Contractor (Form)
Schedule of Items and Prices
Plan and Equipment Questionaire
Proposal Bond
Contract Agreement
Contract Bond

DRAWING SHOWING WELL LOCATION

OCT 01 1991

GARDEN CITY, ADA COUNTY, IDAHO

CONSTRUCTION OF JOPLIN WELL NO. 10

ADVERTISEMENT FOR BIDS

1. Sealed proposals will be received by Garden City, Idaho at the office of the Municipal Building, 201 East 50th Street, Garden City, Idaho 83714, Telephone 377-1831, until 4:30 P.M., Monday, June 10, 1991, at which time bids will be publicly opened and read aloud for:

> The drilling, casing, gravel packing, screening, and developing of a 16 inch diameter well, 600 to 800 feet depth, at the Chinden Blvd. and Joplin Road Well No. 10 to produce a minimum of 1,500 GPM with 2,000 GPM being desired.

2. The work will be paid for from Garden City local water and sewer funds now on deposit in a local bank.

3. Bidders shall state the shortest length of time in which they will complete all construction. Time will be an essential element of the contract, with completion of the will to be not later than October 1, 1991 with completion desired at an earlier date, if possible.

4. Specifications, forms of contract, proposal form and other information may be examined at and obtained from the office of the Garden City Clerk. A non-returnable charge in the amount of $25.00 cash or check will be required for each set of specifications and bid forms removed from the City Clerk's office. Forms will be available after May 20, 1991. Carlyle W. Briggs, P.E., Garden City Engineer, may be contacted at Tel. 208-343-3381 for information concerning well drilling and development.

5. The right is reserved to reject any and/or all bids, or to waive any information.

6. Each bid must be accompanied by a Bid Bond, Money Order, or Certified Check in an amount not less than 5% of the total bid, made payable to Garden City, Idaho.

7. Bidders who submit Proposals shall present evidence of holding valid Idaho Public Works Contractor license and Well Driller License covering the work to be performed.

Authorized by the Garden City Council: Date: May 14, 1991
Jay C. Davis, Mayor

Publish: May 20, 27, 1991

OCT 01 1991

GARDEN CITY, ADA COUNTY, IDAHO

CONSTRUCTION OF JOPLIN WELL NO. 10

GC GENERAL CONDITIONS:

TS-S SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF SEWERS AND STANDARD SEWER DRAWINGS.

TS-W STANDARD TECHNICAL SPECIFICATIONS FOR WATER PIPES, ACCESSORIES, MATERIALS, INSTALLATION, AND STANDARD WATER DRAWINGS.

See General Conditions and Standard Technical Specifications for Construction of Sewers and Water Pipes, Accessories, Materials, Installation, Garden City, Idaho, on file and available for purchase at the Garden City Clerk's office.

OCT 01 1991

SPECIAL CONDITIONS

1. Pursuant to Sections 44-1001, 44-1002, and 44-1006, Idaho Code, it is provided that each Contractor must employ 95% bona fide Idaho residents as employees, except where under such contract 50 or less persons are employed, the Contractor may employ 10% non-residents, provided, however, in all cases employers must give preference to employment of bona fide residents in the performance of said work and that said Contractor must further pay the standard prevailing wage rates in effect as paid in said county seat of the county in which the work is being performed, and no contract shall be let to any person, firm, association or corporation refusing to execute an agreement with the above mentioned provisions on it; provided that in contracts involving the expenditure of Federal-aid funds this act shall not be enforced in such a manner as to conflict with or be contrary to the Federal statutes prescribing a labor preference to honorably discharged soldiers, sailors or marines, prohibiting as unlawful any other preference or discrimination of citizens of the United States.

2. Notice of Amendment of Public Works Contractors License Act Title 54, Chapter 19, Idaho Code, as Amended.

The 37th Session of the Idaho Legislature passed and the Governor signed into Law, effective March 27, 1963, House Bill 283 as amended, which amends Title 54, Chapter 19, Idaho Code, by adding a new section to the Public Works Contractors License Act, which reads as follows:

> 54-1904A. Within 30 days after any public works contractor who is required to be licensed pursuant to this chapter has been awarded a contract for construction to be performed with the State of Idaho involving the expenditure of any public moneys, the contract awarding agency shall file with the tax collector a signed statement showing the date on which such contract was made or awarded, the names and addresses of the home offices of the contracting parties, including all subcontractors, the state of incorporation if the party is a corporation, the project number and a general description of the type and location of the work to be performed, the amount of the prime contract and all sub-contracts, and all other relevant information which may be required on forms which may be prescribed by the tax collector. Every contractor or sub-contractor whose name appears on any such notice shall be required to file income tax returns with the state tax collector and to pay all income taxes which may be due thereon pursuant to law for all years in which any public moneys were received by him in connection with any construction work which was performed within the State of Idaho. A failure to pay any income taxes which may be due thereon, in addition to all other penalties therefore as provided by law, shall constitute a ground for suspension or revocation of license as in this act provided.

3. Disqualification of Bidders. More than one proposal for the same work, from an individual, firm, partnership or corporation under the same or different names will not be considered. Evidence of collusion between bidders will be sufficient cause for rejection of bids so affected. Proposals in which prices are obviously unbalanced may be rejected. Proposals having words or figures indicating no cost, e.g., no cost, no charge, $0.00, etc., for any item or items of work may be considered non-responsive and subject to rejection.

OCT 01 1991

SPECIAL CONDITIONS - Continued

4. Accident Prevention and Safety. In the performance of this contract, the contractor shall comply with all applicable federal, state and local laws governing safety, health and sanitation. The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions, on his own responsibility, reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

It is a condition of this contract, and shall be made a condition of each subcontract entered into pursuant to this contract, that the contractor and any subcontractor shall not require any laborer or mechanic employed in performance of the contract to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to his health or safety, as determined under construction safety and health standards (Title 29, Code of Federal Regulations, Part 1518-published in the Federal Register on April 17, 1971) promulgated by the United States Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (83 Stat.96).

OCT 01 1991

SPECIAL PROVISIONS - MATERIALS, WORKMANSHIP, ENGINEER

These specifications require that all materials be of the best of their kind and grade as specified, and that all workmanship be of the various skills as commonly assigned and prescribed for and to the various classifications of work concerned. That all safety precatuions be exercised in selecting materials, workmen, conveniences, and necessities, and in supervision. This facility is not designed to tolerate sub-standard materials, workmanship or processes.

Any and all workmen or supervisory personnel failing to properly discharge his or their assigned duties or to protect the best interests of the Owner shall be immedately discharged and not again employed on the construction of this facility.

REJECTIONS AND REPLACEMENTS. Any and all materials not of the grade or other characteristics specified or required to produce the best workmanship or completed construction of the facility or any protion thereof shall be rejected and removed from the premises. Notice shall be given to all vendors that materials must be of the best of their kind and of the grade or other identification that may be used and furthermore that irrespective of any such designation the materials must be suitable for the purposes at hand. Responsibility for receipt of rejectable material shall be affixed or assigned by the Engineer.

Improper construction from whatever cause shall be corrected by whatever methods and means as may be determined by the Engineer to be best. Improper construction may be construed to cover any workmanship or material that fails to meet these specifications or plans in any detail, including lines, profiles, planes, grades, mixes, placement, curing, or any other detail that contributes to lowering the standards of construction designated by the Engineer or Owner.

EXPLANATIONS. Supplementary specifications or plans may be attached hereto, covering inspection, the Engineer as referee, and other subjects omitted, or as extensions to subjects treated herein, when endorsed by written signature of the Owner.

AUTHORITIES. Written instructions, signed by proper authority and approved by the Engineer, will supersede details of plans and specifications in the specific matter and instance recited therein. Stated distances and dimensions shown on the plans shall take precedence over scaled distances and dimensions. Written specifications will take precedence over plans wherever conflict exists. In matters concerning the design plans and specifications, the Engineer shall finally rule on interpretations, conflicts, alterations or amendments.

ENGINEER'S NOTICE. This serves notice that the Engineer is Carlyle W. Briggs of B and A Engineers, Inc. (formerly Briggs & Associates) and that his business address is 619 Grove Street, Boise, Idaho 83702, to which address communications may be directed; that said Engineer is licensed as required by law and that his Idaho license is No. 666; his Oregon license is No. 2902; his Washington license is No. 4264; his Utah license is No. 1618; and his Nevada license is No. 906.

Anyone who shall discover errors or evidences of errors is heartily commended to communicate same to the Engineer as promptly as possible that the Owner may be protected in every way possible.

No construction or item of construction may be effected which does not meet the approval of the Public Agencies and Departments having jurisdiction thereto. Notice is therefore given that the premises must be open at all reasonable times for inspection by accredited representatives of these Departments and that any orders of these Departments must be acknowledged forthwith.

OCT 01 1991

CONTRACT TIME, BID ITEMS EXPLAINED

SPECIAL PROVISIONS - SECTION BI-0

BI-0.01. Contract Time. Contract time shall be the number of calendar day's time, or the date of completion, stated in the Proposal.

The Engineer or the Owner will notify the Contractor, by letter mailed to his address as written in the Proposal, of the exact date work is ordered to begin under the terms of the Proposal, and from the date work is ordered to begin, the Contractor shall complete all of the work authorized to be performed under each Proposal item awarded, within the number of calendar day's time, or by the calendar date as written on the Proposal form of Items and Prices.

For every day or fraction of a day that the Engineer may order work suspended, for such causes as unsuitable weather, an equivalent amount of time shall be added to the otherwise final date for completion.

It is the purpose of the Owner to complete the proposed work in the shortest time consistent with good construction. Particular consideration will be given to bidders stating an early date for completion of this portion of work.

The Contractor shall contact the Engineer for conference prior to issuance of order to proceed with construction so as to be ready to commence work when the order to proceed with construction is received.

BI-0.02. Reducible Items, listed in the Proposal forms, are subject to considerable variance in quantity and may vary from only a few units to more than the full amount listed on the Proposal.

BI-0.03. Deductible Items. Certain items of work may be listed in the Proposal as deductible items. These items may or may not be awarded by the Owner, depending upon finances available, and for other reasons. Each deductible item will be considered separately for award and if not awarded will be performed by the Owner, or done on Force Account, or Extra Work Order, or may be deleted from the project and not constructed.

BI-0.04. Alternate Items. These items are listed in order that the Owner may compare the use of one type material, procedure, or design or method of construction with others in order to determine which will in the Owner's opinion provide the best overall results and durability within the amount of project money available for construction.

BI-0.05. Owner Equipment Available for Contractor Use. The Owner possesses certain mechanical construction equipment, tools, a limited amount of skilled and unskilled labor and other items which may be made available to the Contractor for use during construction. A list of these items and negotiation for use, rental rates and other considerations may be established through conference between the Contractor and the Owner.

BI-0.06. Care and Control of Traffic. The Contractor shall provide all necesaary and required barricades, flares, flagmen, warning signs, and other items necessary to provide for control and access of traffic within work areas. The Contractor shall also provide all necessary and required barricades, flares, flagmen, warning signs and other items necessary to prohibit traffic from entering work areas during critical rolling and/or oiling operations. See Detail Specification, Section OM-1.23.

BI-0.07. Limitation in Amount of Construction Open at Any One Time. The Engineer shall have the authority to limit Contractor construction operations to the amount of roadways or areas upon which work can be prosecuted continuously and without delay to completion. Excavation, grading and oiling work performed on more than one street at a time shall, wherever possible, be performed on alternate streets, leaving every other street open for use by traffic.

Every effort shall be made by the Contractor to provide at all times for mail delivery and traffic access to homes and places of business along road ways under construction, except at such times as the Engineer may order roadways closed to traffic during final rolling and oiling operations.

GARDEN CITY, IDAHO - 1991

CONSTRUCTION OF JOPLIN WELL NO. 10

SPECIAL PROVISIONS - DESCRIPTION OF WORK

The following method of constructing the Joplin Well No. 10 is outlined:

1. Drill and place 20 to 24 inch Dia. starter well casing at least to 30 feet depth or to the first sealing stratum.

2. Drill new 16" x 3/8" wall thickness casing, with drive shoe, into the well, and drill downward until below the blue shale-clay stratum, which is expected to be several hundred feet deep. This is expected to require approximately 800 feet of 16" casing with 3/8 " thick wall, with multiple pass welded joints.

3. Pull the 16" casing back into the blue shale-clay stratum 10 feet.

4. Place and tamp cement grout bags in the bottom of the hole to approximately 9 feet depth. Test to see that there is a good seal, and that the bottom of the 16" casing is approximately one foot above the grout bags.

5. Place a tremie pipe, 3 inch Dia., into the well with a rubber gasketed plug within 2 or 3 inches of the bottom of the 16" casing. Pump some water through the tremie to be sure the plug is sealing and the casing is connected to the drilled hole through the blue shale-clay layer. Fill the casing with water to the same static W.L. as when drilling. Submit tremie pipe plug shop drawing to ENGINEER for approval prior to grouting.

6. Order a ready-mix load of portland cement and fine sand grout (50-50 mix), in a quantity at least 3 times the volume of the calculated space between the 16" casing and drilled hole through the blue shale-clay stratum.

7. Provide a pump to place the entire amount of grout in one continuous pour, so the cement does not set before pouring is completed.

8. The space between the 20 to 24 inch Dia. starter casing and the 16" Dia. casing may be filled with cement grout, using a tremie pipe, as the 20 to 24 inch casing is pulled.

9. Several small amounts of pumping grout shall be formed to approximately 2 inch thickness, and shall be placed in a wet container, at ground surface, and kept at the same approximate temperature as the grout in the well. When the grout samples

have stiffened enough that they will not move or deform, then the tremie pipe and rubber plug may be depressurized and removed from the well.

10. After 7 days time has passed, the water shall then be pumped or baled from the 16" casing, to a depth of at least 200 feet, to check and assure that the seal between the casing and impervious blue shale-clay layer has been achieved. Water shall remain at that level for at least 24 hours.

11. A temporary 14 inch Dia. casing shall then be lowered into the well, and drilling continued to the bottom of one or more water bearing aquifers. Samples of the aquifer areas shall be taken at 5 to 10 foot intervals, depending on thickness and uniformity of strata.

12. The water bearing strata and samples will be analyzed by the ENGINEER, diameter and amount of screen designed, selected, ordered and lowered into the well.

13. Gravel packing, using size selected by the ENGINEER, shall be placed between the screens and 14 inch casing. The 14 inch casing shall be withdrawn as gravel packing, well development and surge plunging continues, until the screened area will accept no more gravel packing material, and no more sand or silt is entering the well.

14. Then the 14 inch temporary casing may be removed from the well and a rubber sealing packer (no lead) installed to seal between the 10 inch Dia. screen casing and previously grouted 18 inch casing.

15. The well shall then be brushed and baled to the bottom to assure that no cement chunks have stuck to sidewalls, and to assure that the screens are clean to the bottom of the hole. The well shall be chlorinated heavily for at least 24 hours prior to test pumping.

16. The well shall then be test pumped, with a pump set at least to 200 feet depth, and capable of pumping up to 3,000 GPM to open discharge, through a measuring orifice at the discharge end of the pump outlet pipe.

17. Test pumping shall continue without interruption during at least a 10 hour period of time, at various discharge rates, up to a 200 foot drawdown. Time, water level and GPM discharge rates and water temperature shall be recorded at 5 to 15 minute intervals initially, and may then be recorded at longer intervals, after pump flows begin to stabilize.

18. Water samples for a complete chemical, inorganic, organic, analysis and bacteria analysis shall be taken or arranged to be taken by the DRILLER, and delivered to Alchem

OCT 01 1991

Testing Laboratories on W. 32nd Street in Garden City, for analysis and reporting to the OWNER, just prior to completion of test pumping. If the well water tests positive for bacterial content, then the well shall be rechlorinated, flushed and tested again. The OWNER will pay laboratory costs, but it will be the DRILLER'S responsibility to see that samples are taken and delivered to the laboratory.

18. As soon as the well has been test pumped and chlorinated to the satisfaction of the OWNER, the DRILLER may remove the test pumping equipment and shall immediately attach a proper tight fitting cover to the well to prevent vandalism or contamination.

OCT 01 1991

BID PROPOSAL

(Unit Price)

Garden City, Idaho, _____, 19__

To CITY OF GARDEN CITY

Garden City, Idaho 83714

The undersigned hereby certify that they have personally examined the location and construction details of work as outlined on the plans and specifications for Project _____

CONSTRUCT JOPLIN WELL NO. 10
(Job description and location)
in Garden City, Idaho Impact Area

and have read and understand the Plans, Specifications and Contract documents governing the work embraced in this improvement and the method by which payment will be made for said work and hereby propose to undertake and complete the work embraced in this improvement in accordance with said plans, specifications, and contract and at the following schedule of rates and prices:

(Note: Unit prices for all items, extensions and total amount of bid must be shown. Show unit prices in both words and figures. If conflict occurs the written or typed words shall prevail.)

GARDEN CITY, ADA COUNTY, IDAHO

CONSTRUCTION OF JOPLIN WELL NO. 10

PROPOSAL - SCHEDULE OF ITEMS & PRICES

Bid Item	Bid Item Description Bid Unit Price in Words	Unit Bid	Quantity	Total Bid
1.00	Drill and install Temporary 24 inch casing by 50 feet, grout and remove	_____	1 L.S.	_____
4.03	Drill, Furnish 16"x3/8" Casing & Install to Bottom of Shale Formation	_____	600 L.F.	_____
5.00	Pull 16" Casing Back 10 Feet into Shale	_____	10 L.F.	_____
6.00	Place Concrete Plug, +/- 9 Feet Depth Below 16" Casing, in Shale.	_____	1 L.S.	_____
7.00	Install 9"x600 Feet of Tremie Pipe With 16" Plug at Bottom	_____	1 L.S.	_____
8.00	Concrete Grout Delivered to Site	_____	12 C.Y.	_____
9.00	Grout Pump, 100 psi, Min. 50 GPM	_____	1 L.S.	_____
10.01	Grout Samples Cured to Check Set Rate	_____	1 L.S.	_____

Bid Item	Bid Item Description Bid Unit Price in Words	Unit Bid	Quantity	Total Bid
10.02	Remove Tremie Pipe & Plug From Well	_____	1 L.S.	_____
11.00	Pump Water Down 200 Feet in Well to Check for Grout Leakage	_____	1 L.S.	_____
12.01	Install & Remove 14"x3/8" Casing From Open Hole	_____	800 L.F.	_____
12.02	Drill, Install, Remove 14"x3/8" Casing From Around Screen, Plus Strata Samples.	_____	200 L.F.	_____
13.01	Furnish 10" Stainless Steel Screen, 40 to 60 Mesh	_____	100 L.F.	_____
13.02	Assemble Screens to +/-100 Feet of 10"x3/8" Pipe & Plug & Lower Into Well	_____	1 L.S.	_____
14.00	Gravel Packing, No. 10 to 40 Mesh, Furnish & Install	_____	24 C.Y.	_____
16.00	Cut 10" Casing Off, Remove, Install Sealing Packer 10" to 16"	_____	1 L.S.	_____
19.00	Brush, Bail & Clean Well to Bottom of Screens & Add Chlorine Tablets	_____	1 L.S.	_____

OCT 01 1991

Bid Item	Bid Item Description Bid Unit Price in Words	Unit Bid	Quantity	Total Bid
20.00	Furnish Test Pump, Motor, Pipe, Orifice, Install Test Pump to 3,000 GPM, 200' Setting, and Power Source	_____	1 L.S.	_____
21.00	Test Pump Operator to Vary Flows, Record Data, Full Time First 8 Hours, Periodic Thereafter	_____	10 hrs.	_____
22.00	Collect Water Samples & Convey to Test Lab	_____	1 L.S.	_____
23.00	Remove Test Pumping Equipment & Seal Well Casing Top	_____	1 L.S.	_____

TOTAL AMOUNT BID....$_____

NOTE: OWNER will clean up site and restore site after DRILLER leaves.

Date of Completion of all work to be ninety (90) calendar days after date of order to begin work. Advertisement for Bids calls for completion by or before October 1, 1991.

CONTRACTOR NAME: _____

ADDRESS: _____

_____

TEL._____ DATE: _____

Idaho Driller License No._____

Idaho Contractor License No._____

TOTAL BID PRICE ....._____*

* Total bid price to include all permit fees, sales, consumer use and other similar taxes required by law in the place where the work is performed.

The Owner reserves the right to reject any or all proposals or to accept the proposal deemed to be in the best interest of the Owner.

This bid offer is accompanied by a Bidder Security (Certified Check, Cashier's Check, or Bid Bond) in an amount of the sum of 5 percent of the total amount bid, as a guarantee that the bidder, if successful, will enter into a contract and execute the necessary contractual documents or forms as stipulated in these Specifications and then if awarded the contract, agrees to obtain the materials, arrange the work, and prosecute the same to acceptable completion of the project within the alloted time.

Bid Signatures

_____
(Bidder and Public Works Contract License No.)

by_____
(Authorized Official and Title)

_____ Tel._____
(Address)

Note: (1) If the bidder is a co-partnership, so state, giving firm name under which business is transacted.

(2) If the bidder is a corporation, this proposal must be executed by its duly authorized officials.

(3) If no bid is submitted, kindly mark "NO BID" and return to_____
(City Clerk or Other)

_____
(Address)

OCT 01 1991

(4) If any bidder has any objections or desires to change any of the requirements of these bidding documents, this must be made known in writing and delivered to the office of the Garden City Clerk no later than five (5) calendar days prior bid opening for consideration.

(5) Bid proposals shall be in sealed envelopes or folders, submitted, and clearly marked to David O'Leary, Garden City Clerk for Well No. 5, Redevelopment and Deepening to be opened at 4:30 P.M. o'clock, MSDT, Monday, June 10, 1991

(6) CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within ten (10) calendar days after the date of the NOTICE TO PROCEED and will complete the same within ninety (90) calendar days unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.

_____ _____ _____

Acknowledge Receipt of Addenda.. Include a copy of each with the Bid Proposal. It is understood that these are now an integral part of the Bid Documents.

Number	Date	Initial
_____	_____	_____
_____	_____	_____
_____	_____	_____

OCT 01 1991

Contractor

Date:

TO:

Gentlemen:

The following subcontractors and sub-subcontractors will work on the construction of work listed in Schedule I.

"General Contractor" is inserted under all headings for which no subcontract will be let. "None" is inserted under items not applicable. A check mark in the proper column indicates whether the subcontract covers material only, or includes some installations also. Any subcontractor listed must be properly licensed by the State of Idaho before this contract is signed. I/we agree not to change subcontractors of sub-contractors listed below without written approval of the OWNER; however, the OWNER reserves the right to reject any or all of the subcontractors and sub-subcontractors listed hereafter and nominate another bidding sub-subcontractor in his or their place. If the OWNER elects to select another subcontractor of sub-subcontractor, the difference in cost will be adjusted to this proposal.

The contractor agrees that he is as fully responsible to the OWNER for the acts and omissions of his subcontractors and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the OWNER.

NAMES AND ADDRESSES OF SUBCONTRACTORS

Pursuant to the requirements of Section 67-2310, Idaho Code, names and addresses of subcontractors to whom work will be awarded, if the undersigned is awarded the contract, are as follows:

Item	Material & Installation	Material Supplier Only	Name and Address of Subcontractor

PLAN AND EQUIPMENT QUESTIONNAIRE

Submitted to _____

By_____ _____Corporation
_____Co-partnership
_____An individual

Principal office_____

Idaho Contractor License No. _____ Class_____

The signatory of this Questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

1. In what manner have you inspected this work? Explain in detail.

2. Explain your plan or lay-out for performing the proposed work.

3. The work if awarded to you, will have the personal supervision of whom?

4. Do you intend to do all of the work on the proposed work with your own forces? If so, give amount and type of equipment to be used.

5. If you intend to sublet any of the work or perform it through an agent, state full details of work to be sublet, amount of sub-contractor or agent's contract, and, if known, the name and address of the sub-contractor or agent, amount and type of his equipment and financial responsibility.

6. Do you intend to sublet any other portion of the work?_____ If so, state amount of sub-contract, and, if known, the name and address of the sub-contractor, amount and type of his equipment and financial responsibility.

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OCT 01 1991

7. From which sub-contractor or agent do you expect to require a bond.

8. What equipment do you own that is available for the proposed work?

Quan.	Item	Type, Size Capacity	Condition	Present Location

9. What equipment do you intend to purchase for use on the proposed work, should the contract be awarded to you:

Quan.	Item	Type, Size, Capacity, Etc.	Approx. Cost.



10. How and when will you pay for the equipment to be purchased?

11. Do you propose to rent any equipment for this work?_____
If so, state type, quantity, and reason for renting.

12. Have you made contracts or received firm offers for all the materials within prices used in preparing your proposals? Do not give names of dealers or manufacturers.

Dated at _____this_____day of _____19___,

_____
Organization

_____
Title of person signing

STATE OF IDAHO)
) ss.
County of)

_____being first duly sworn deposes and says that he is _____of the above _____ and that the answers to the foregoing questions and all statements therein contained are true and correct.

Sworn to before me this_____day of _____19___,

_____
Notary Public

My Commission expires_____

OCT 01 1991

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we _____

_____ of _____

as Principal, and _____ as Surety, are

held and firmly bound unto _____, hereinafter called the Owner, in the full and penal sum of five per cent (5%) of the total amount of the proposal of said principal for the work hereinafter described, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, firmly by these presents.

The condition of this obligation is such that whereas the Principal has this day submitted a sealed proposal for _____

_____

_____

NOW, THEREFORE, If the said Principal shall be awarded and shall duly make and enter into a contract with the Owner in accordance with the terms of said proposal and award, and shall within fifteen (15) days after presentation of the contract furnish a bond acceptable to the Owner for the faithful performance of such contract, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect.

IN WITNESS WEREOF, The above bounden parties have executed this instrument, this _____ day of _____, 19____.

Witness: _____ _____
(if individual or firm) (Principal)

Attest: _____ By _____
(If Corporation)

_____
(Title)

(CORPORATE SEAL)

_____
(Surety)

Attest: _____ By _____

_____ _____
(Title)

(SEAL OF SURETY)

OCT 01 1991

BIDDER'S CHECK LIST #1

The Bidder's Check List is offered to the prospective bidder as a means of checking his/her Bid Proposal in order to insure that a complete Bid is submitted free from ommissions and errors, that could possibly lead to rejection of the Bid.

Check off when completed:

_____ 1. Are all blank spaces filled out on Bid Form? Is a complete set of Bid Proposal documents intact?

_____ 2. Have questions arising from the bidding, contract, specifications or plans been submitted to the proper authority and resolved in the proper manner?

_____ 3. Are Bid amounts shown correctly as well as extensions and totals? Recheck for errors or ommissions. Both lump sum and unit prices must be shown in words and figures.

_____ 4. Are authorized signatures properly affixed to the Bidding Documents, giving also title, Idaho Contractors' license number, etc.?

_____ 5. Have all Subcontractors to whom work will be awarded been listed as well as their Idaho Contractor's license number?

_____ 6. Have all Addenda been received and acknowledged with the proper signature on the Bid Proposal?

_____ 7. Has a certified check, cash or a Bid Bond in the amount specified been included with the contract documents?

_____ 8. In order for a Bid to be considered, all Bidding Documents and the Bid Bond must be placed in a properly addressed sealed envelope, and delivered to the specified authority prior to the time designated for the bid opening.

CONTRACTOR'S AFFIDAVIT CONCERNING TAXES

STATE OF IDAHO)
COUNTY OF ADA)

Pursuant to the Idaho Code, Title 63, Chapter 15, I, the undersigned, being duly sworn, deposes and certify that all taxes, excises and license fees due to the State or it's taxing units, for which I or my property is liable then due or delinquent, has been paid, or arrangements have been made, before entering into a contract for construction of any public works in the State of Idaho.

_____
Name of Contractor

_____
Address

_____
City and State

By:_____
(Signature)

Subscribed and sworn to before me this_____ day of

_____1979.

_____
Notary Public, residing at

_____

OCT 01 1991

v. 12-78

STATE OF IDAHO
DEPARTMENT OF REVENUE AND TAXATION
STATE TAX COMMISSION

PUBLIC WORKS CONTRACT REPORT

Sections 54-1904A and 63-3624(f), Idaho Code, requires all Public Works Contracts to be reported to the State Tax Commission

ct Awarded By (Public Body & Address)

Contract Awarded To (Contractor's Name & Home Address)

Date of Incorporation	Federal Employer Number	Date Qualified To Do Business In Idaho (Section 30-501,

siness Operates As ☐ Sole Proprietorship ☐ Partnership ☐ Corporation | Public Works Contractor License No.

oject Number (If any)	Amount of Contract $

scription and Location of Work To Be Performed

ALL SUBCONTRACTORS
(Of General Contractor)

Name	State of Incorporation	Federal Employer Number
Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
Description of Work		

me	State of Incorporation	Federal Employer Number
Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
Description of Work		

Name	State of Incorporation	Federal Employer Number
Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
Description of Work		

Name	State of Incorporation	Federal Employer Number
Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
Description of Work		

Name	State of Incorporation	Federal Employer Number
dress	Date Qualified To Do Business In Idaho	Public Works Contractor No.
City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
Description of Work		

ALL SUBCONTRACTORS (Continued)

G	Name	State of Incorporation	Federal Employer Number
	Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
	City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
	Description of Work		
	Name	State of Incorporation	Federal Employer Number
	Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
I	City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
	Description of Work		
	Name	State of Incorporation	Federal Employer Number
	Address	Date Qualified To Do Business In Idaho	Public Works Contractor No.
B	City, State, Zip Code	Business Operates As ☐ Corporation ☐ Sole Proprietorship ☐ Partnership	Amount of Subcontract $
	Description of Work		

USE THE SPACE BELOW TO REPORT:

Major Suppliers of Materials and Supplies
Items Removed From Inventory
Equipment Purchased, Rented or Leased For Use In Project
Materials Provided By Governmental Agency

SOURCE	ITEM	TOTAL VALUE	SALES OR US PAID TO SO
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐
			☐ YES ☐

SIGN HERE ▶	Authorized Signature	Date

File in duplicate with the State of Idaho, Department of Revenue and Taxation, State Tax Commission, P.O. Box 36, Boise, Idaho 83

10-248-79

STATE OF IDAHO
DEPARTMENT OF REVENUE AND TAXATION
STATE TAX COMMISSION

PUBLIC WORKS CONTRACT TAX RELEASE

Sections 54-1904A and 63-3624(f), Idaho Code, requires all Public Works Contracts to be reported to the State Tax Commission

ontract Awarded By (Public Body & Address)

Contract Awarded To (Contractor's Name & Home Address)

State of Incorporation	Federal Employer Number	Date Qualified To Do Business In Idaho (Section 30-501, I.C.)

Business Operated As

☐ SOLE PROPRIETORSHIP ☐ PARTNERSHIP ☐ CORPORATION

Public Works Contractor License No.

Project Number (if any)	Amount of Contract
	$

Description and Location of Work To Be Performed

This certifies that in regard to the above identified contract, the contract awarding agency has complied with provisions of Idaho Code Sections 54-1504A, 63-1501 through 63-1505 and 63-3624(f) relating to report information to the State Tax Commission and any liability which may result from failure to make such repo including that impossed by Idaho Code Section 63-1505, is hereby released.

Audit Section Supervisor (Income and Inheritance Tax) — Date

29

Audit Section Supervisor (Sales, Miscellaneous and Motor Fuels) — Date

CONTRACT AGREEMENT

THIS AGREEMENT, made this _____ day of _____, 19___, by and between _____
(Name of Owner)

and _____ doing business as (an individual,) or (a partnership,) or (a corporation) hereinafter called "CONTRACTOR."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of (Show Project Number and Description.)

   _____

   _____

2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.

3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS* within _____ calender days after the date of the NOTICE TO PROCEED and will complete the same within _____ calendar days unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.

4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS* and comply with the terms therein for the sum of $_____, or for the unit prices as shown in the BID PROPOSAL schedule.

5. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.*

6. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

7. If said work is not completed within the time specified, the Contractor agrees to pay to the Owner the sum of $ 150.00 for each and every day said work remains uncompleted after expiration of the specified time, as liquidated damages.

8. The Bonds will be held in full force until the Final Acceptance has been issued.

OCT 01 1991

9. The Contractor agrees to a one (1) year guarantee period for all labor, material and workmanship after receiving the Certificate of Substantial Completion.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in _____ copies each of which shall be deemed an original on the date first above written.

* The "CONTRACT DOCUMENTS" includes the following:

(A) ADVERTISEMENT FOR BIDS
(B) INFORMATION FOR BIDDERS
(C) BIDDERS CHECK LIST
(D) BID PROPOSAL
(E) BID BOND
(F) CONTRACT AGREEMENT
(G) PERFORMANCE BOND
(H) PAYMENT BOND
(I) CERTIFICATE OF INSURANCE
(J) NOTICE OF AWARD
(K) NOTICE TO PROCEED
(L) CHANGE ORDER
(M) PARTIAL PAYMENT ESTIMATE
(N) Drawings prepared by _____ numbered _____ through _____, dated _____, 19____
(O) Special Provisions
(P) IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION
(Q) SUPPLEMENTAL STANDARD SPECIFICATIONS dated _____, 19___
(R) CONTRACT COMPLETION DOCUMENTS (FORMS) AS EXECUTED
(S) ADDENDA:

No._____, dated _____, 19____

No._____, dated _____, 19____

No._____, dated _____, 19____

No._____, dated _____, 19____

No._____, dated _____, 19____

No._____, dated _____, 19____

OCT 01 1991

OWNER:

_____

By_____

Name_____
(Please Type)

Title_____

(seal)

ATTEST:

_____

Name_____
(Please Type)

Title_____

CONTRACTOR:

_____

By_____
(Please Type)

Name_____

Address_____

_____ Zip_____

(seal)

ATTEST:

_____

Name_____
(Please Type)

_____

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF)
) ss
COUNTY OF)

On the _____ day of _____, 19_____, personally appeared before me _____, who, being by me duly sworn, did say that he is the _____ of _____ _____, and that the foregoing instrument was signed on behalf of said corporation by authority of _____ and said _____acknowledged to me that said corporation executed the same.

_____
Notary Public
Residing at_____

ACKNOWLEDGEMENT FOR PARTNERSHIP

STATE OF)
) ss
COUNTY OF)

On the _____day of _____, 19_____, personally appeared before me _____, who, being by me duly sworn, did say that he is a partner of the firm of _____ _____, a partnership existing under the laws of the State of _____; and that said instrument was signed by him in behalf of said partnership and said _____ _____acknowledged to me that said partnership executed the same.

_____
Notary Public
Residing at_____

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a _____, hereinafter called the Principal, and

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

_____
(Name of Owner)

_____
(Address of Owner)

hereinafter called OWNER, in the penal sum of _____

_____ Dollars, $(_____),
being _____% of the Contract price, in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 19____, a copy of which is hereto attached and made a part hereof for the construction of: (Include Project No. and Description.)

_____

_____

_____

_____

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the

OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the CONTRACT or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ (Number) counterparts, each one of which shall be deemed an original, this the _____ day of _____ 19_____.

ATTEST:

_____ (Principal Secretary)

(seal)

_____ (Witness as to Principal)

_____ (Address)

_____ (Principal)

By _____ (s)

_____ (Address)

_____ (Surety)

ATTEST:

_____ (Surety Secretary)

(seal)

_____ (Witness as to Surety)

By _____ (Attorney-in-fact)

_____ (Address)

_____ (Address)

Note: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a _____, hereinafter called the Principal, and

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

_____
(Name of Owner)

_____
(Address of Owner)

hereinafter called OWNER, in the penal sum of _____

_____ Dollars, $(_____),

being _____% of the Contract price, in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 19____, a copy of which is hereto attached and made a part hereof for the construction of: (Include Project No. and Description.)

_____

_____

_____

_____

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the

OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the CONTRACT or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ (Number) counterparts, each one of which shall be deemed an original, this the _____ day of _____ 19_____.

ATTEST:

_____ (Principal)

_____ By _____ (s)
(Principal Secretary)

(seal)

_____ _____
(Witness as to Principal) (Address)

_____ _____
(Address)

_____ _____
(Surety)

ATTEST:

_____
(Surety Secretary)

(seal)

_____ By _____
(Witness as to Surety) (Attorney-in-fact)

_____ _____
(Address) (Address)

_____ _____

Note: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

NOTICE OF AWARD

To: _____

_____

_____

_____

_____

PROJECT DESCRIPTION:

_____

_____

_____

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 19_____, and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of $_____.

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) days from the date of this Notice. If you do not, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 19____.

_____
(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE - OF AWARD

Receipt of the above NOTICE OF AWARD is hereby acknowledged

by_____

this _____ day of _____, 19_____.

By_____

Title_____

Note: Two copies of this form are inclosed for the Contractor's signature. Please return 1 copy for Owners records.

NOTICE TO PROCEED

To: _____ Date: _____

_____ Project Number and Description:

_____ _____

_____ _____

_____ _____

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 19___, on or before _____, 19___, and you are to complete the WORK within _____ consecutive calendar days thereafter. The date of completion of all WORK is therefore _____, 19___.

_____
(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED

is hereby acknowledged by _____

_____,

this the _____ day

of _____, 19___

_____

By _____

Title _____

PRE-CONSTRUCTION CONFERENCE NOTICE

To: _____

Address: _____

_____

_____

RE: _____

_____

_____

A Pre-Construction Conference for the above referenced project will be held on (date)_____(time)_____ at (location)_____.

The Contractor will have a schedule of work for the project (CPM, Bar Chart, etc.) prepared for the conference.

You are invited to be in attendance and participate in the discussion. Any concerns you may have about the project should be discussed at this time.

_____
(Engineer)

_____
(Signature)

_____
(Title)

APPLICATION FOR PAYMENT NO. _____

To _____ (OWNER)
Contract for _____ Dated _____.
OWNER's Project No. _____ _____.
For Work accomplished through the date of _____.

ITEM	CONTRACTOR's Schedule of Values			Work Completed	
	Unit Price	*Quantity*	*Amount*	Quantity	Amount
	$		$		$
Total			$		$
(Orig. Contract)					
C.O. No. 1					
C.O. No. 2					

Accompanying Documentation:

_____
_____
_____
_____

GROSS AMOUNT DUE.....	$_____
LESS _____% RETAINAGE.....	$_____
AMOUNT DUE TO DATE.....	$_____
LESS PREVIOUS PAYMENTS.....	$_____
AMOUNT DUE THIS APPLICATION.....	$_____

CONTRACTOR's Certification:

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by prior Applications for Payment numbered 1 through _____ inclusive; and (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all liens, claims, security interests and encumbrances (except such as covered by Bond acceptable to OWNER).

Dated _____, 19____ _____
CONTRACTOR
By _____

ENGINEER's Recommendation:

This Application (with accompanying documentation) meets the requirements of the Contract Documents and payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated _____, 19____ _____
ENGINEER
By _____

OCT 01 1991

1910-8-E (1979 Ed.)
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No. .....

RECOMMENDATION OF PAYMENT

OWNER's Project No. ..... ENGINEER's Project No. .....

Project .....

CONTRACTOR .....

Contract For ..... Contract Date .....

Application Date ..... Application Amount .....

For Period Ending .....

To .....
OWNER

Attached hereto is the CONTRACTOR's Application for Payment for Work accomplished under the Contract through the date indicated above. The Application meets the requirements of the Contract Documents and includes the CONTRACTOR's Certificate stating that all previous payments to him under the Contract have been applied by him to discharge in full all of his obligations in connection with the Work covered by all prior Applications for Payments.

In accordance with the Contract the undersigned recommends payment to the CONTRACTOR of the amount due as shown below.

.....
ENGINEER

Dated ....., 19..... By .....

STATEMENT OF WORK

Original Contract Price	$	*Work to Date*	$ .....
Net Change Orders	$	Amount Retained	$ .....
Current Contract Price	$	Subtotal	$ .....
Work to be Done	$	Previous Payments Recommended	$ .....
		Amount Due This Payment	$ .....

NSPE-ACEC 1910-8-C (1978 Edition)

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RECEIVED
OCT 01 1981

No. .....

CHANGE ORDER

Dated .....

OWNER's Project No. ..... ENGINEER's Project No. .....

Project .....

CONTRACTOR .....

Contract For ..... Contract Date .....

To: .....
CONTRACTOR

You are directed to make the changes noted below in the subject Contract:

.....
OWNER

By .....

Dated ....., 19.....

Nature of the Changes

Enclosures:

These changes result in the following adjustment of Contract Price and Contract Time:

Contract Price Prior to This Change Order $ .....

Net (Increase) (Decrease) Resulting from this Change Order $ .....

Current Contract Price Including This Change Order $ .....

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OCT 01 1987

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Contract Time Prior to This Change Order . . . . . (Days or Date)

Net (Increase) (Decrease) Resulting from This Change Order . . . . . (Days)

Current Contract Time Including This Change Order . . . . . (Days or Date)

The Above Changes Are Approved: . . . . . ENGINEER

By . . . . . .

Date . . . . . , 19. . . . .

The Above Changes Are Accepted: . . . . . CONTRACTOR

By . . . . . .

Date . . . . . , 19. . . . .

CERTIFICATE OF SUBSTANTIAL COMPLETION

OWNER's Project No. . . . . ENGINEER's Project No. . . . . .

Project . . . . . .

CONTRACTOR . . . . . .

Contract For . . . . . Contract Date . . . . . .

This Certificate of Substantial Completion applies to all Work under the Contract Documents or to the following specified parts thereof:

To . . . . . .
OWNER

And To . . . . . .
CONTRACTOR

The Work to which this Certificate applies has been inspected by authorized representatives of OWNER, CONTRACTOR and ENGINEER, and that Work is hereby declared to be substantially complete in accordance with the Contract Documents on

. . . . . .
Date of Substantial Completion

A tentative list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include an item in it does not alter the responsibility of CONTRACTOR to complete all the Work in accordance with the Contract Documents. When this Certificate applies to a specified part of the Work the items in the tentative list shall be completed or corrected by CONTRACTOR within _____ days of the above date of Substantial Completion.

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OCT 01 1984

The date of Substantial Completion is the date upon which all guarantees and warranties begin, except as follows:

The responsibilities between OWNER and CONTRACTOR for security, operation, safety, maintenance, heat, utilities and insurance shall be as follows:

RESPONSIBILITIES :

OWNER: _____

_____

_____

CONTRACTOR: _____

_____

_____

The following documents are attached to and made a part of this Certificate:

Executed by ENGINEER on . . . . . , 19. . . . . .

. . . . . .
ENGINEER

By . . . . . .

The CONTRACTOR accepts this Certificate of Substantial Completion on . . . . . , 19. . . . . .

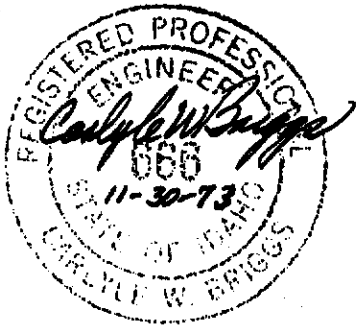
. . . . . .
CONTRACTOR

By . . . . . .

GROUNDWATER EVALUATION REPORT

FOR THE PROPOSED NEW GARDEN CITY WELL NUMBER 5

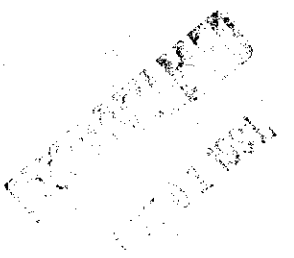
CARLYLE W. BRIGGS, P.E., Consulting Engineer
[illegible]
[illegible]
Tel. (208) [illegible]



Paul R. Briggs
November 28, 1973

TABLE OF CONTENTS

	PAGE
TABLE OF CONTENTS	ii
LIST OF FIGURES	iii
LIST OF PLATES	iii
LIST OF TABLES	iii
Introduction	1
Groundwater Geology	1
Investigation Results	3
Conclusions	9



LIST OF FIGURES

FIGURE		PAGE
1.	Topographic Location Map	2
2.	Piezometric Surface Contour Map	8

LIST OF PLATES

PLATE		PAGE
1.	Projected Geologic Profile For The Proposed New Well	6

LIST OF TABLES

TABLE		PAGE
1.	Facts On Twenty Selected Wells	5

OCT 01 1991

INTRODUCTION

This evaluation report, on groundwater for the proposed new Garden City well number 5, was written at the request of Carlyle W. Briggs, of Briggs and Associates Consulting Engineers, for Garden City's present and future municipal water system.

The proposed new Garden City well is to be located in the SE¼ of the NE¼ of Section 31, T.4N., R.2E., B.M., Ada County, Idaho. The street location is between 47th and 48th Streets, on Adams Street, in Garden City, Idaho (Fig. 1). This site was chosen as the most desireable location for the new well that would best fit the proposed future expansion of Garden City's municipal water system.

Information for this report was gathered from a number of sources. These sources are: the Idaho Department of Water Administration; the United States Geological Survey, Boise; Boise Water Corporation; Capital Securities Water Corporation; and Briggs and Associates Consulting Engineers.

Acknowledgements are extended to the above governmental agencies, companies, corporations, and to Dr. Leland Mink of the Idaho Bureau of Mines and Geology.

Groundwater Geology

The desired aquifer system for the new well is within the Glenns Ferry Formation of the Idaho Group. This formation is dated geologically to be late Pliocene and early Pleistocene age.

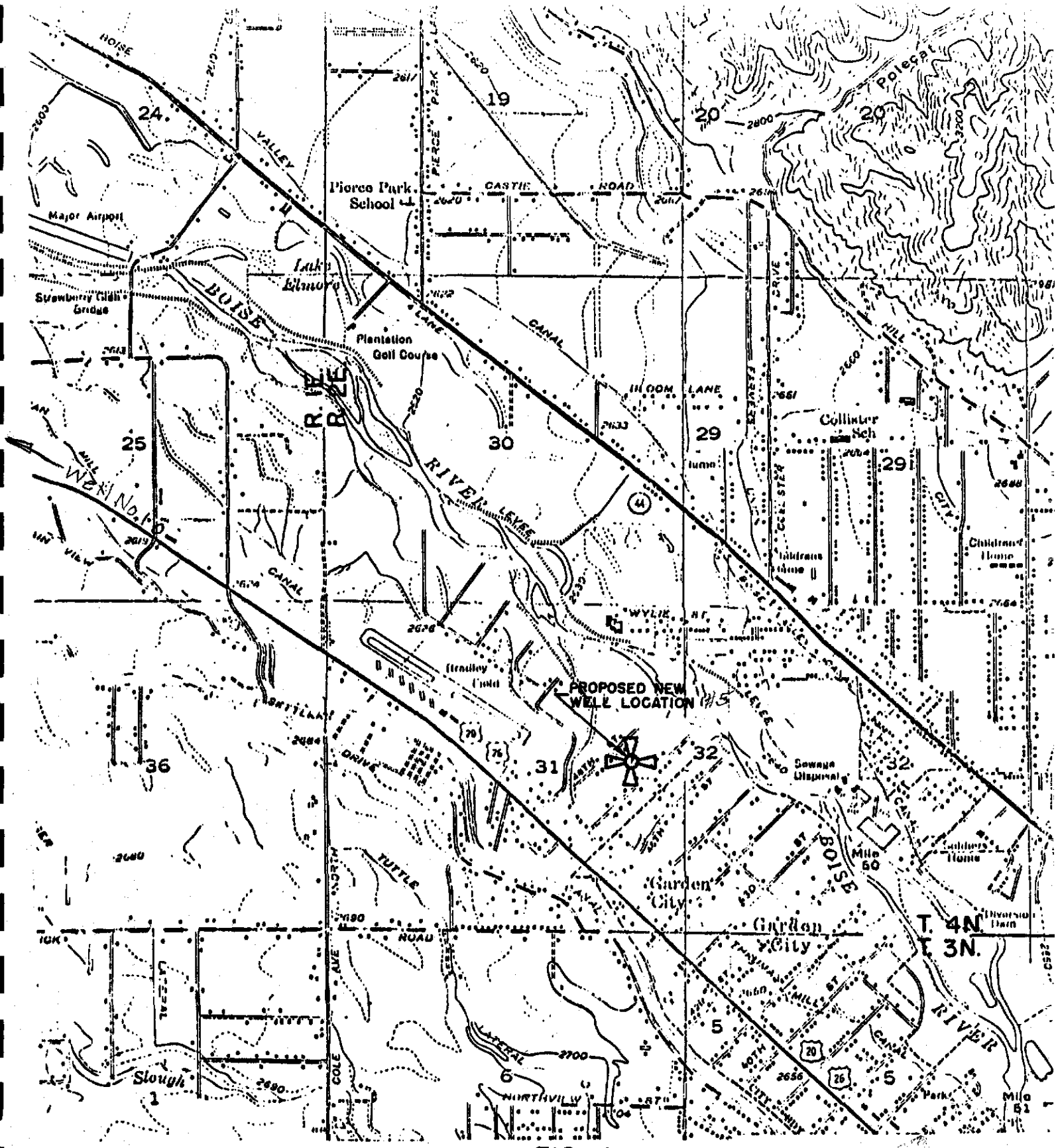


FIG. 1

Topographic Location Map

Taken from USGS, 7½ minute quadrangle maps (1954)

Scale 1"=2,000'

Date 11-11-73

Stratigraphically the formation is composed of alternating layers of shale, clay, silt, and sand. The thickness and degree of lithification of these layers varies throughout the formation. The formation generally dips towards the southwest which establishes the usual flow of groundwater to be from the Boise Front, the system's recharge area, to the Snake River, the discharge area.

Due to the variations in the stratigraphic sequence in the Glenns Ferry Formation, groundwater conditions also vary throughout the area under study by this report. Generally the confined aquifer system is made up of several interbedded layers of sand and shale. These layers not only vary in thickness and degree of lithification between each other, but also within each layer itself. Because of these variations, permeability and porosity also vary, which affects the specific capacity of wells throughout the area.

The Glenns Ferry Formation, considered the deep aquifer system in the area of this report, has several suitable characteristics complementing its use for the new well. First, the aquifer system is confined, making it an artesian aquifer. Although wells into the system are quite deep, the high artesian head makes it economical for pumping. Also, the deep aquifer system has good water quality compared with the shallow aquifer system in the area. Furthermore, despite some variations in the specific capacity of wells throughout the formation, there appears to be good potential for a high yield well in the area of study.

Investigation Results

From copies of well logs furnished by the Idaho Department of Water Administration and other sources several predictions can be determined for

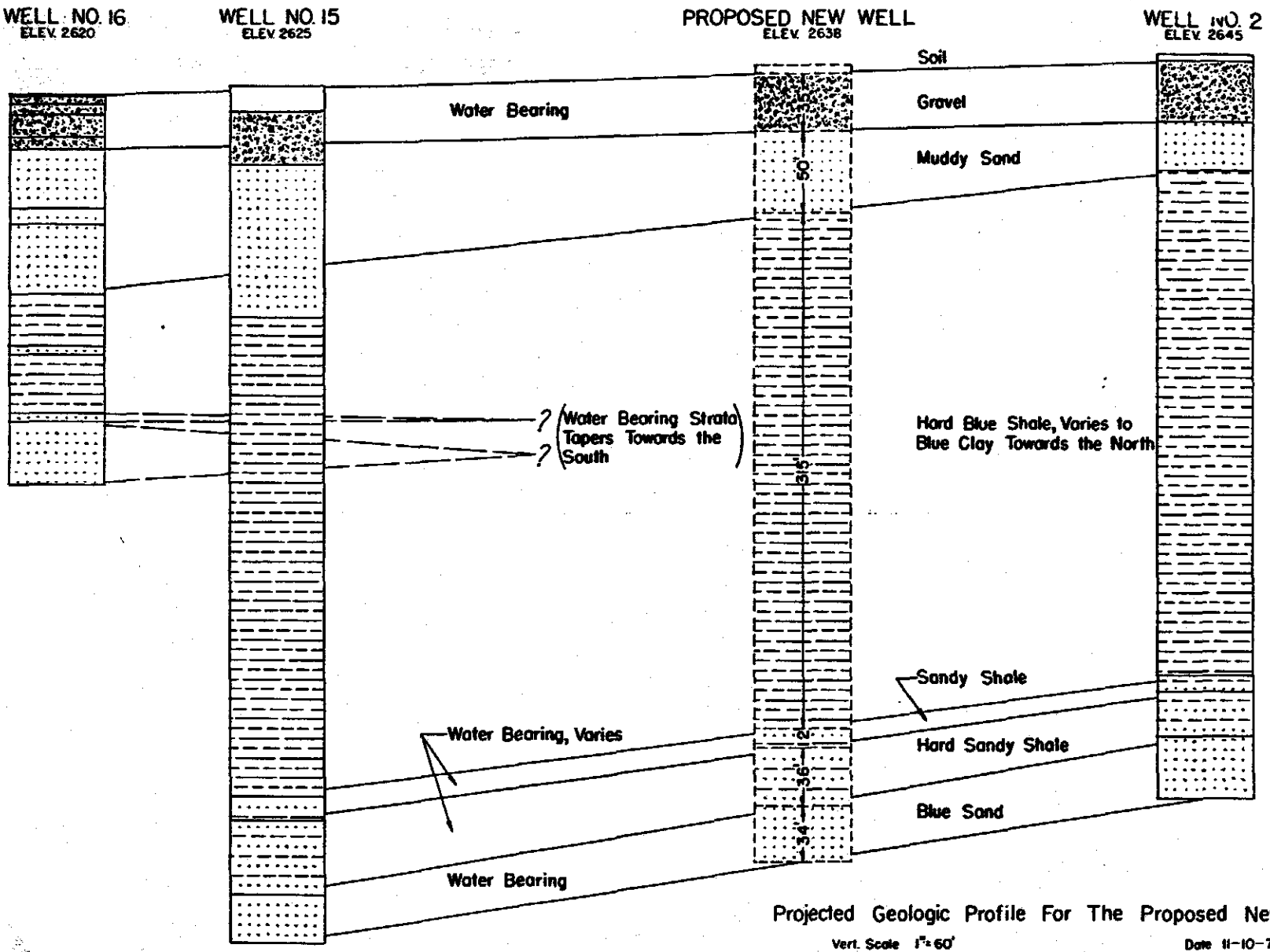
the new well. Twenty wells were chosen within the area as having characteristics pertinent to this study. Important facts on these wells are listed in Table 1, along with their location and illustration, by number, in Fig. 2. All of these 20 wells considered are in the deep aquifer system and are fairly well distributed throughout the study area. Of these 20 wells, certain ones had good well performance records and histories available. Most all of the wells considered are used for municipal, commercial, domestic, and irrigation purposes. Well yields vary from 10 gallons per minute to 1,500 gallons per minute, however, some wells in the deep aquifer system, outside of the study area, have well yields of up to 4,000 gallons per minute. No extreme problems in well drilling are known in the study area. Large boulders, however, are occasionally encountered in the river deposited alluvium along the Boise River. A very general lithologic profile consists of soil at the top, followed by river deposited alluvium, a blue shale or clay layer, and finally a sequence of alternating clay, shale, and sand layers.

Several specific characteristics can be predicted for the new well from available information. By projecting the lithologic profiles of three existing wells into a linear arrangement with the proposed new well, a good prediction can be made on the new well's lithology. Consult Plate 1 for the projected lithologic profile results. From Plate 1 it can be seen that a well approximately 454 feet is needed to reach the top of a good water bearing stratum. Due to the variations in the stratigraphic sequence of the Glenns Ferry Formation the projected geologic profile should be considered only as an approximation. Differences of as much as 20 feet could be expected in stratum thicknesses along with slight differences in stratum compositions.

FACTS ON TWENTY SELECTED WELLS

TABLE 1

Well No.	Elev. of Well Head	Static Water Level	Elev. of Water Level	Depth of Well	Water Temp. °F
1	.2645	Flows	2645+	455	
2	.2645	+4	2649	456	64°
3	.2693	-12	2681	342	
4	.2690	-5	2685	783	
5	.2684	-10	2674	763	67°
6	.2700	-2	2698	492	
7	.2705			605	
8	.2690	-1.5	2688	655	68°
9	.2689	-1	2688	323	
10	.2656	-12	2644	318	
11	.2655	-7	2648	391	
12	.2660	0	2660	811	70°
13	.2660	-12	2648	650	
14	.2663			1150	
15	.2625	-19	2606	525	
16	.2620	-7	2613	240	
17	.2720	0	2720	655	
18	.2619	-9	2610	118	
19	.2620	-8	2612	100	44°
20	.2685	-25	2660	901	55°



Projected Geologic Profile For The Proposed New Well

Vert. Scale 1"=60'

Date 11-10-73

Plate 1

USGS LIBRARY

A piezometric surface contour map was drawn from information provided by the well logs (Fig. 2). From the contour map, depth to water, groundwater flow direction and, to a limited degree, interference with adjacent wells can be predicted. By comparing the elevation of the ground at the new well site with the contour map, a depth to water figure of 0.0 feet can be deducted. Since groundwater moves perpendicular to contour lines and from areas of higher elevations to lower elevations, the general groundwater flow pattern can be determined from the contour map. Water flows to the new well site from the northeast and the south, and away from the well site to the northwest. Because groundwater flow, away from the well, is to the northwest only, interference with other wells could be expected to be the heaviest towards the northwest. Those wells 'upstream' from the new well site should not be appreciably affected, only those 'downstream' would be affected. No interference has been noted between wells to the northeast and the south, with wells closely adjacent to the new well site. Also no interference to date has been noted between wells closely adjacent to the well site and those to the northwest. The piezometric surface contour map can be considered to be a fairly accurate representation of the actual field conditions. Seasonal variations in depth to water, of as much as four feet, have been noted in some wells in the southern portion of the map. These seasonal differences are not considered to be significant in affecting the creditability of this map. Although the wells used in this study were drilled at different times, which would mean that the depth to water measurements were taken at different times, the accuracy of the map should not be affected since there appears to be no secular changes in depth to water measurements during the time most of these wells were drilled to the present.

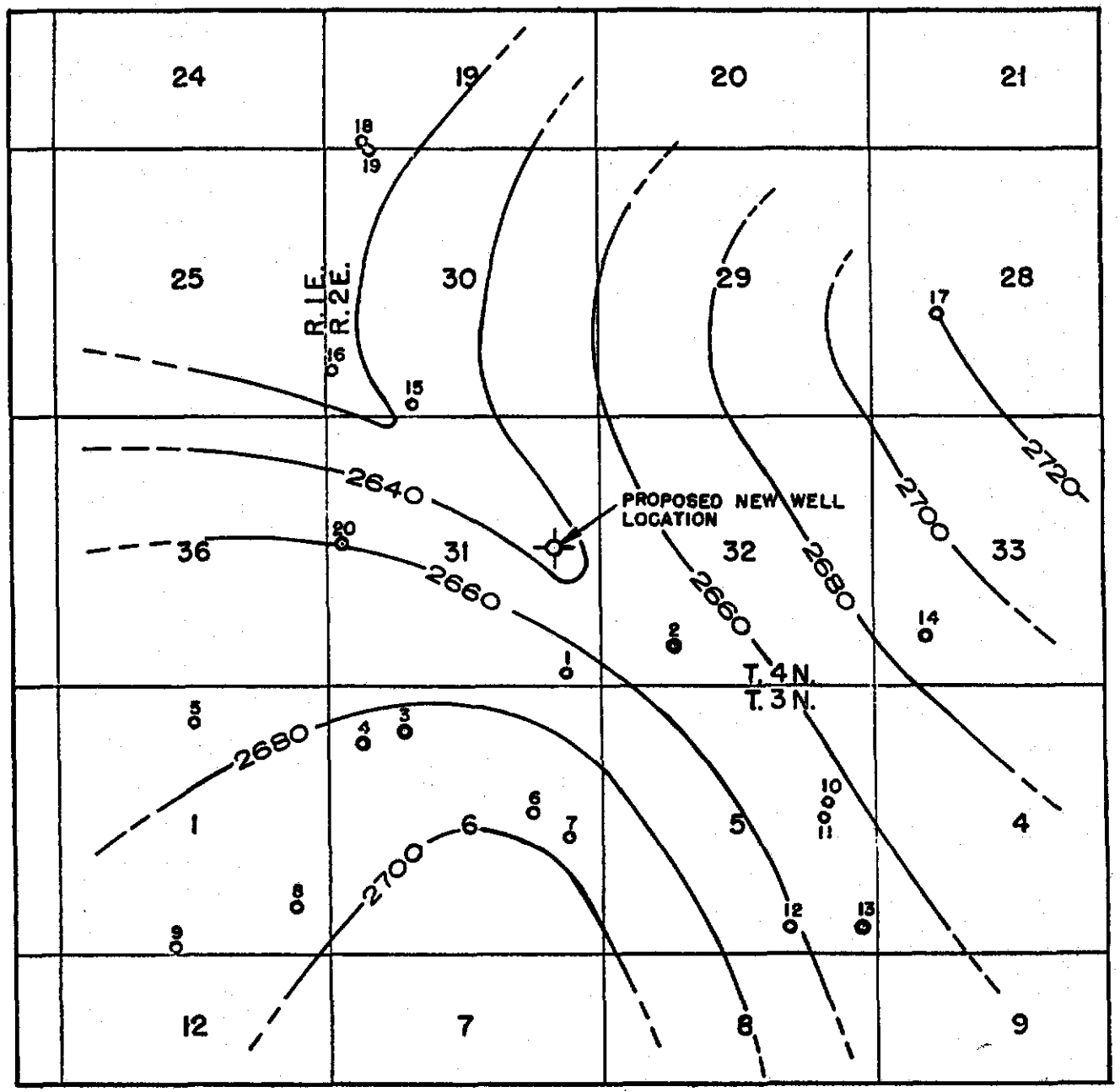


FIG. 2

Piezometric Surface Contour Map

Contour Interval 20 Feet

Scale 1" = 0.6 mi. Date 11-10-73

——2660—— Elev. of contour above mean sea level (Elev. datum from USGS)

4 Indicates well number and location (see table I. for well details)

2 – Section number

Conclusions

At the present time, plans indicate that a well yield of approximately 2,000 gallons per minute is needed, from the new well, to fulfill the requirements of the proposed extension to Garden City's present municipal water system. Through the evaluation of available material, from many sources, it is felt that a well producing approximately 2,000 gallons per minute could be developed successfully at the proposed site without appreciable interference to surrounding wells. Due to the variations in the Glenns Ferry Formation small differences can be expected from those predicted in this study. These differences are not considered significant enough to warrant further investigation into the exact conditions that are present in the field.

The practice should be continued, as with any other well drilled in the general area, of carefully checking for any possible effects to other existing wells at the time the subject well is test pumped after completion of drilling and developing operations. Such test pumping operations should be conducted over a period of time of 24 to 36 hours with continous pumping, to be effective and indicative.

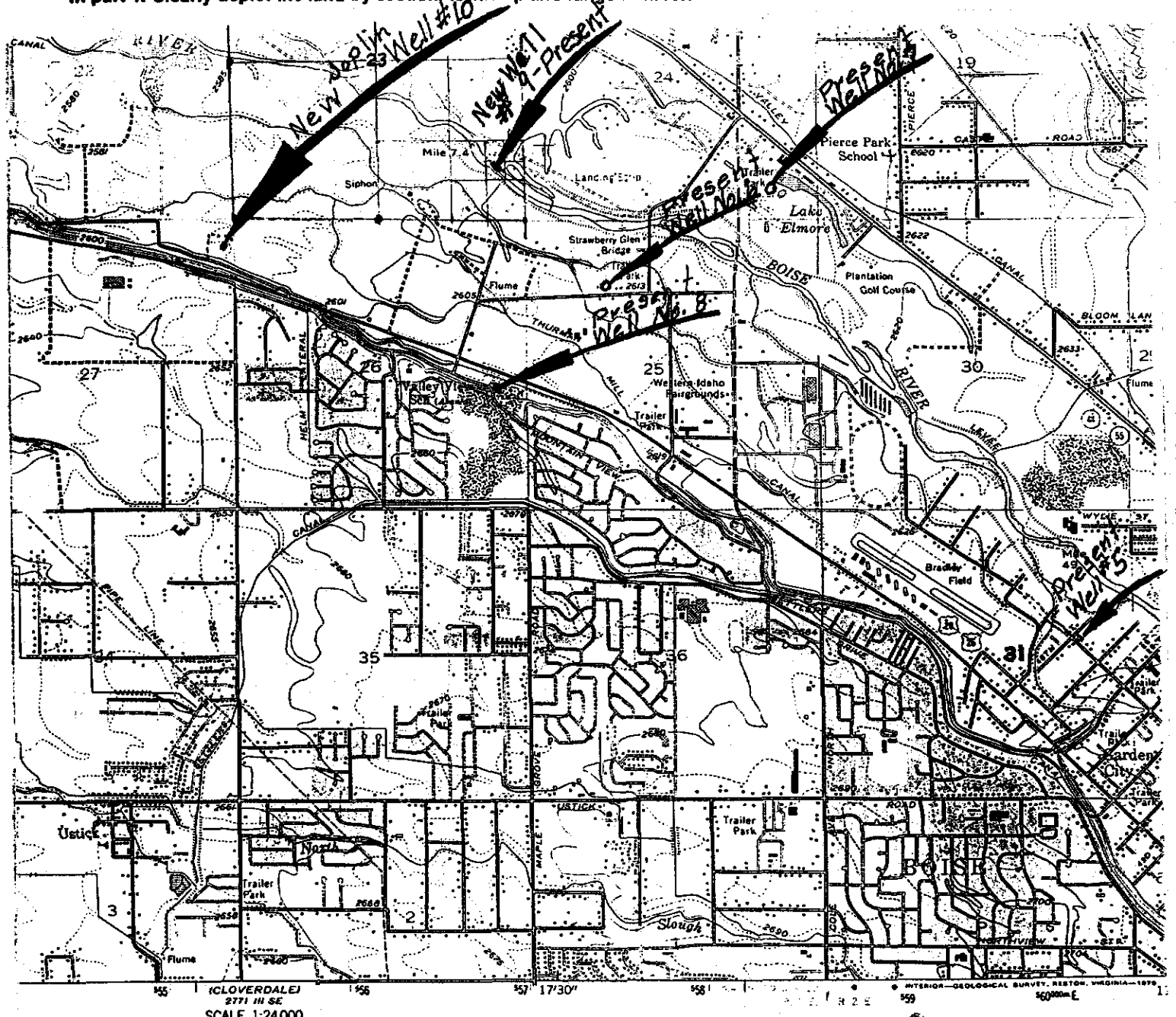
Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

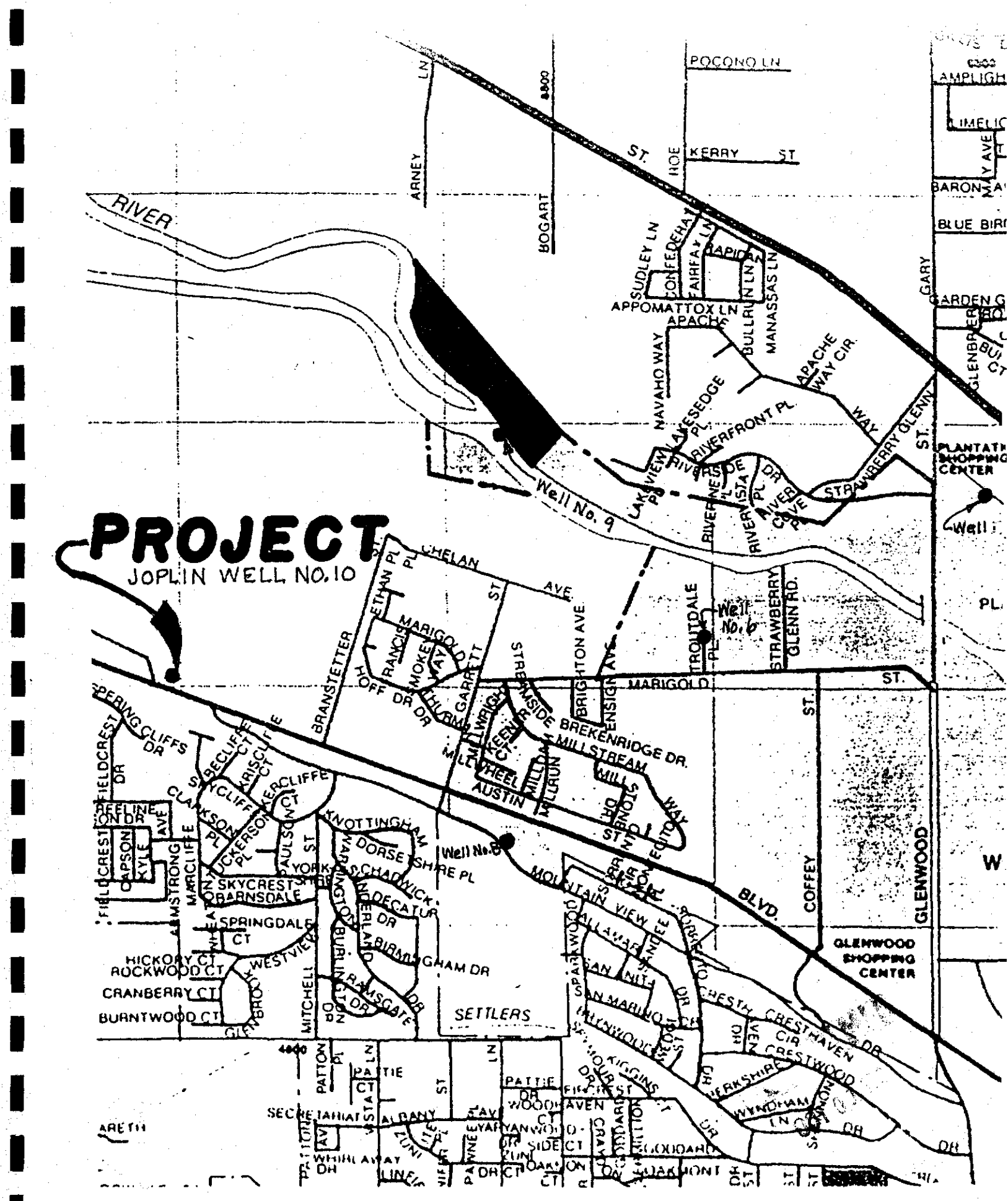
PART 3

A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.

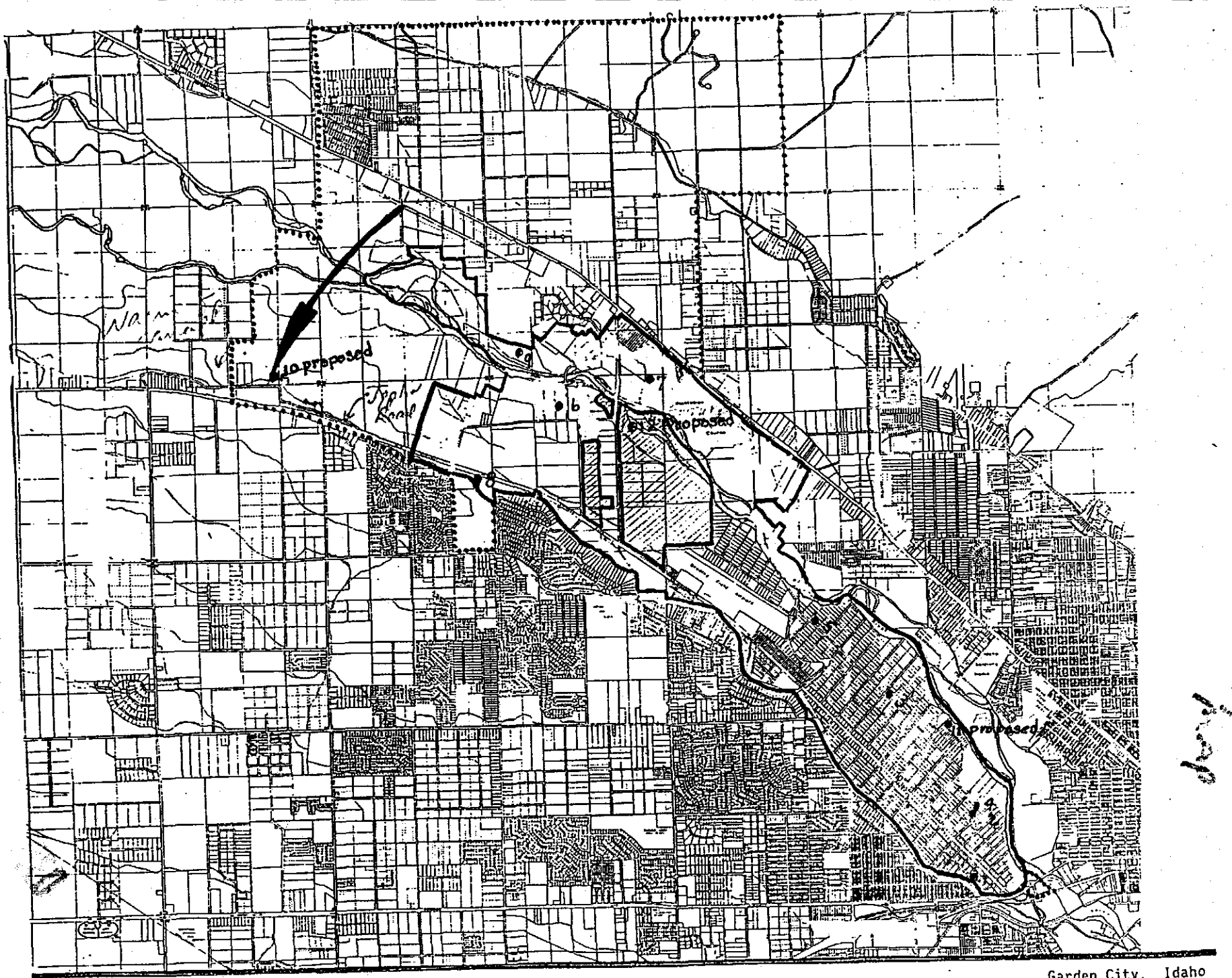


60

SCALE: 2 inches equal 1 mile. Draw plan in ink.



VICINITY MAP



GARDEN CITY

Areas Not Yet Annexed

CCJ 10-4-90 Thurs.

Scale: 1"= ± 3,100'

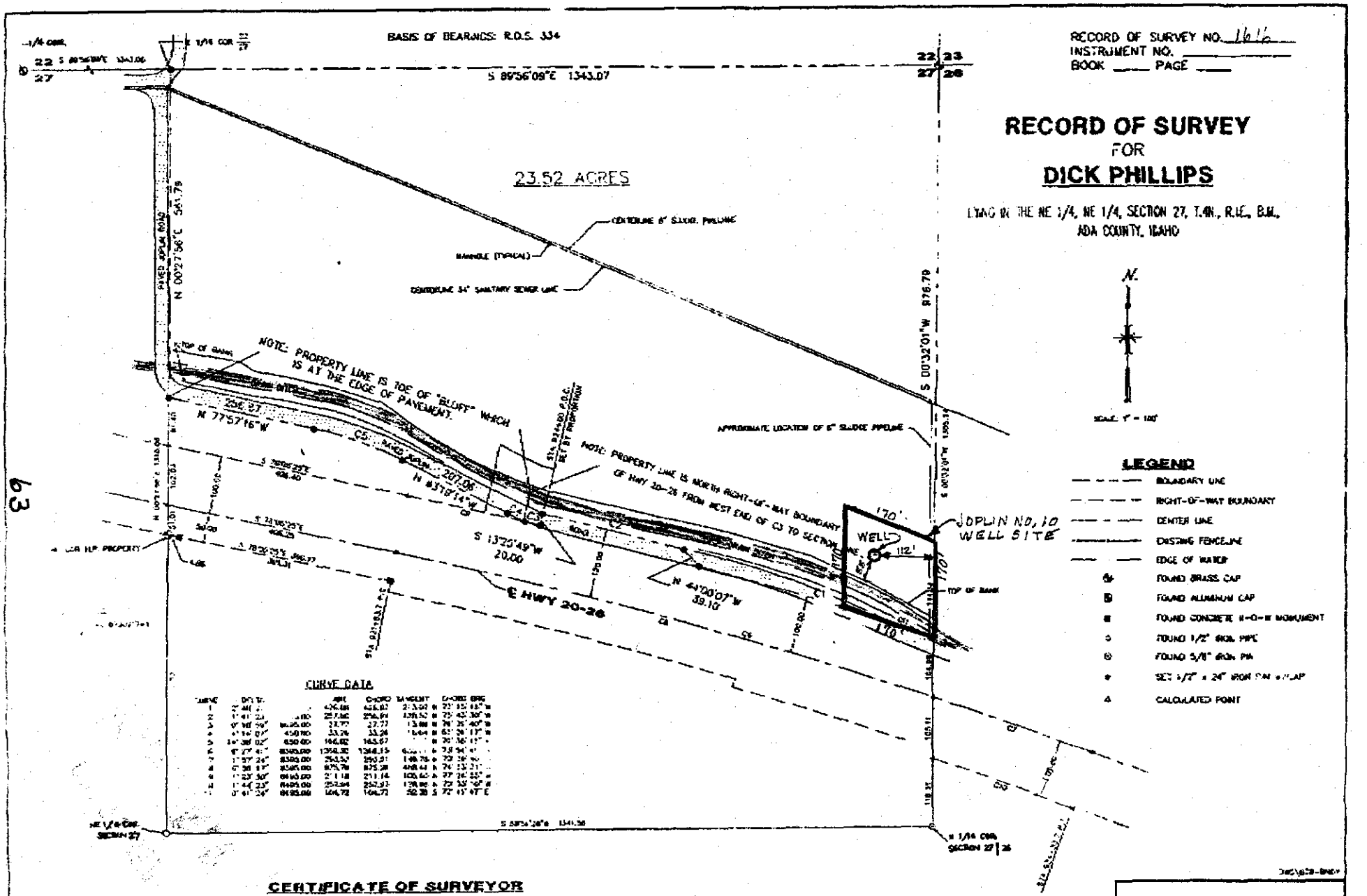
Garden City, Idaho
Annexation Ord. 537
Approved:
Published: 2-30-91

62

RECORD OF SURVEY NO. 1616
INSTRUMENT NO. _____
BOOK ____ PAGE ____

RECORD OF SURVEY
FOR
DICK PHILLIPS

LYING IN THE NE 1/4, NE 1/4, SECTION 27, T.4N., R.1E., B.M.
ADA COUNTY, IDAHO



LEGEND

- BOUNDARY LINE
- RIGHT-OF-WAY BOUNDARY
- CENTER LINE
- EXISTING FENCELINE
- EDGE OF WATER
- FOUND BRASS CAP
- FOUND ALUMINUM CAP
- FOUND CONCRETE R-O-W MONUMENT
- FOUND 1/2" IRON PIPE
- FOUND 5/8" IRON PIN
- SET 1/2" x 24" IRON PIN w/ CAP
- CALCULATED POINT

CURVE DATA

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
C1	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C2	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C3	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C4	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C5	43°18'14"	207.06	156.49	152.77	82.08	N 43°18'14" W
C6	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C7	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C8	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C9	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C10	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C11	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C12	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C13	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C14	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C15	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C16	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C17	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C18	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C19	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C20	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C21	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C22	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C23	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C24	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C25	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C26	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C27	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C28	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C29	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C30	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C31	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C32	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C33	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C34	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C35	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C36	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C37	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C38	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C39	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C40	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C41	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C42	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C43	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C44	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C45	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C46	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C47	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C48	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C49	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C50	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C51	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C52	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C53	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C54	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C55	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C56	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C57	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C58	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C59	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C60	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C61	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C62	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C63	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C64	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C65	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C66	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C67	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C68	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C69	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C70	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C71	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C72	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C73	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C74	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C75	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C76	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C77	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C78	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C79	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C80	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C81	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C82	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C83	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C84	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C85	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C86	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C87	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C88	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C89	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C90	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C91	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C92	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C93	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C94	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C95	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C96	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C97	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W
C98	2°48'49"	8340.00	409.68	409.63	204.89	N 72°35'18" W
C99	4°41'24"	8340.00	682.72	682.52	341.49	N 75°01'30" W
C100	1°57'24"	8340.00	284.72	284.71	142.37	N 77°59'48" W

CERTIFICATE OF SURVEYOR

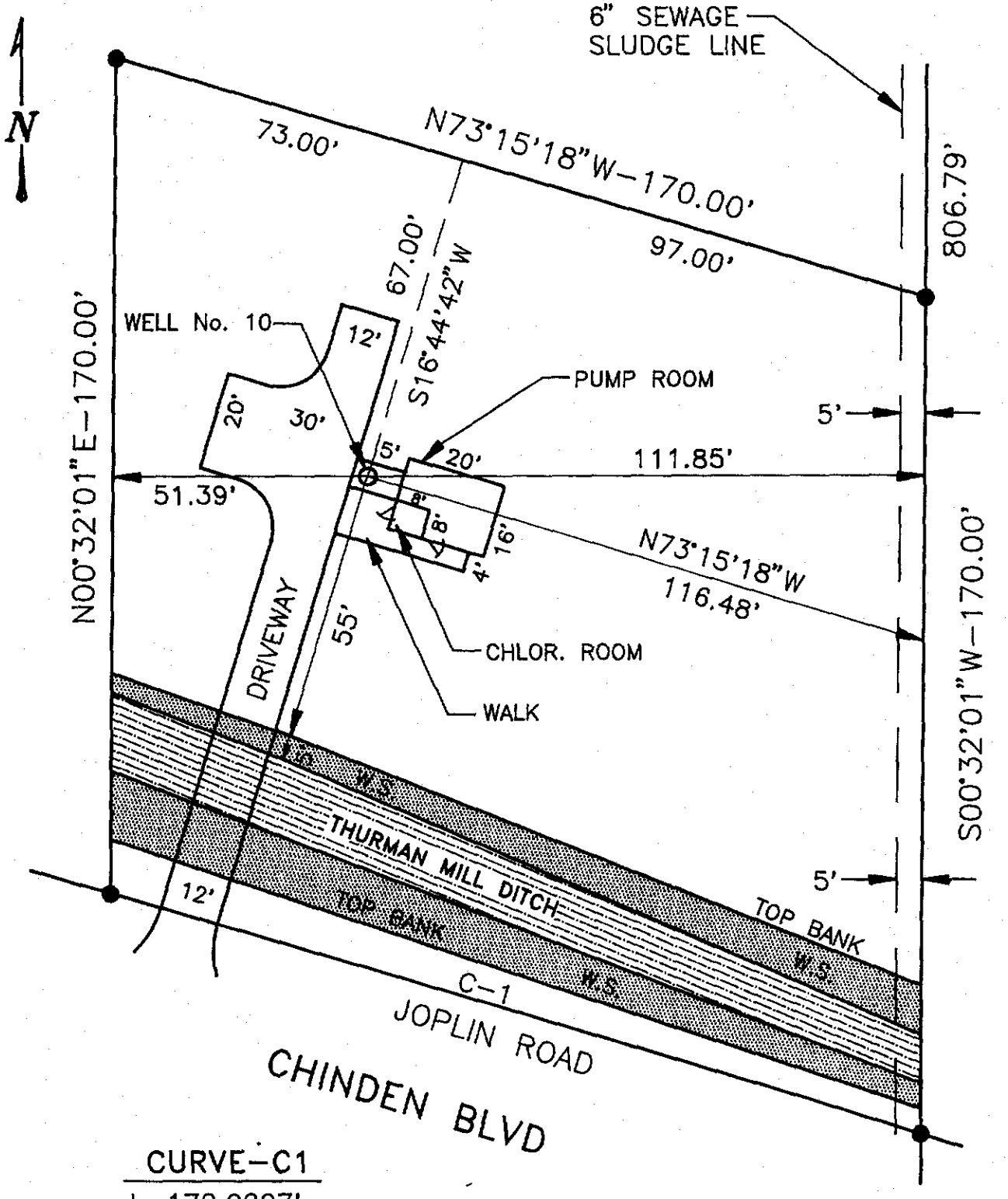
I, PATRICK A. TEALEY, NO. 4347, STATE OF IDAHO, DO HEREBY CERTIFY THAT THE SURVEY REPRESENTED ON THIS PLAT WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION AND IS IN ACCORDANCE WITH THE LAWS OF THE STATE OF IDAHO GOVERNING PROPERTY SURVEYS.

RECORDING INDEX NO. 411 27-1-1-3-00-[illegible]

TEALEY'S LAND SURVEYING
479 MAIN — BOISE, IDAHO — 208-343-8836

DATE: MARCH, 1980
DRAWING NO. 678

93



CURVE-C1

L=170.0027'
R=8715.00'
Δ=01°07'04"
T=85.0127'
LC=170.00'
BRG=N73°15'18"W

GARDEN CITY, IDAHO

JOPLIN WELL No. 10

SITE PLAN

WJE 5-9-91
SCALE 1"=30'

DWG. No. CWB-910506

DESCRIPTION FOR DICK PHILLIPS-GARDEN CITY JOPLIN ROAD WELL NO. 10

A parcel of land situated in the NE 1/4 NE1/4 of Section 27 Township 4 North, Range 1 East of the Boise Meridian as referenced to Record of Survey No. 1616 which is on file in the Office of the Recorder for Ada County, Idaho, more particularly described as follows:

Commemcing at a brass cap marking the Northeast corner of said Section 27; thence along the East boundary of said Section 27 S00°32'01"W, 806.79 feet to a point, said point being the REAL POINT OF BEGINNING;

Thence continuing S00°32'01"W, 170.00 feet to an iron pin on the Northerly right-of-way boundary of Highway 20-26, said point being 100.00 feet Northerly from the centerline of said Highway 20-26;

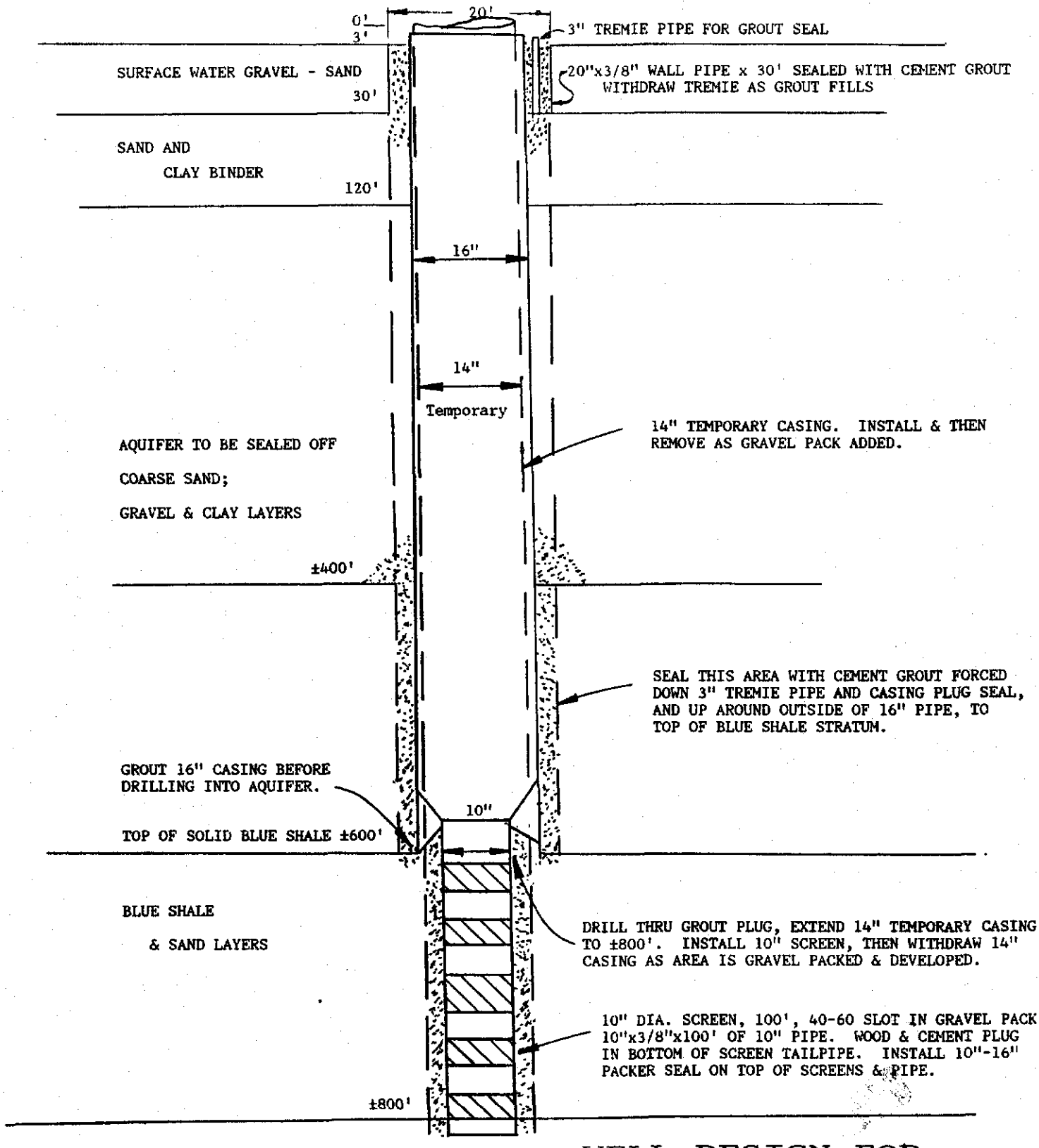
Thence along the said North right-of-way boundary Northwesterly 170.00 feet along the arc of a curve to the left having a radius of 8715.00 feet, a central angle of 01°07'04", a Tangent of 84.01 feet, and a long chord which bears N73°15'18"W, 170.00 feet;

Thence leaving the said right-of-way boundary N00°32'01"E, 170.00 feet to a point;

Thence S73°15'18"E, 170.00 feet to the REAL POINT OF BEGINNING.

Said parcel contains 0.63702 acre.

WELL NUMBER 10



WELL DESIGN FOR GARDEN CITY, IDAHO JOPLIN WELL NO. 10

Chinden Blvd. & Joplin Road Vicinity

SCALE: NONE Date: May 2, 1991

B. & A. Engineers, Inc. DWG. NO. CWB-910502