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WATER RESOURCES  
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Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

# APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

Ident. No. 63-31134

1. Name of Applicant Larry R. Shideler Phone (208) 377-9555  
Mailing address 4810 Lakeshore Plaza, Boise, ID 83703
2. Source of water supply Groundwater which is a tributary of N/A
3. Location of point of diversion is Township 4N Range 1W Sec. 20, in the SE  $\frac{1}{4}$ ,  
NE  $\frac{1}{4}$ , Govt. Lot Ada, B.M., Ada County;  
additional points of diversion if any: \_\_\_\_\_
4. Water will be used for the following purposes:  
Amount 14 for aesthetic storage purposes from Jan 1 to Dec 31 (both dates inclusive)  
(~~acre-feet~~ acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) \_\_\_\_\_ and/or (b) 14  
cubic feet per second acre feet per annum
6. Proposed diverting works: **(See narrative)**  
a. Describe type and size of devices used to divert water from the source \_\_\_\_\_  
**(See attached narrative)**  
b. Height of storage dam at grade feet; active reservoir capacity 14 acre-feet; total  
reservoir capacity 14 acre-feet  
c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet  
d. Is ground water with a temperature of greater than 85°F being sought? No  
e. If well is already drilled, when? N/A; Drilling firm N/A;  
Well was drilled for (well owner) N/A; Drilling Permit No. N/A
7. Time required for completion of works and application of water to proposed beneficial use is 2 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):  
a. Hydropower; show total feet of head and proposed capacity in kW. \_\_\_\_\_  
b. Stockwatering; list number and kind of livestock. \_\_\_\_\_  
c. Municipal; show name of municipality. \_\_\_\_\_  
d. Domestic; show number of households. \_\_\_\_\_  
e. Other; describe fully. Pond System A (see attached narrative)

3. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- 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 | RGE | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | TOTALS |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 4N  | 1W  | 20  |    |    |    | J  |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

Total number of acres to be irrigated N/A

10. Describe any other water rights used for the same purposes as described above. None

11. a. Who owns the property at the point of diversion? Applicant

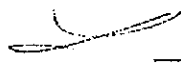
b. Who owns the land to be irrigated or place of use? Applicant

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

12. Remarks: See Attachments. (USGS quad map, irrigation company certificates, proposed pond layout, color aerial photo and narrative.) Applicant intends to develop property through real estate development entity yet to be created, and will assign water right permit to such entity at that time, and will provide the department with appropriate documentation of entity organization then.

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

  
\_\_\_\_\_  
Signature of Applicant (and title, if applicable)

Received by LM Date 1-12-01 Time 4:55pm Preliminary check by FL  
 Fee \$ 100 \*Receipted by LM # W027222 Date 1-12-01 = \$60  
 Publication prepared by MT Date 2-1-01 Published in THE IDAHO STATESMAN  
 Publication approved MT Date 2-26-01  
 \* and... FL for kg: W027222 12/15/00 = \$40  
 TOTAL \$100

State of Idaho  
Department of Water Resources  
**Application for Permit  
Narrative**

This Narrative has been prepared to support three separate, and concurrently filed, Applications for permits and licenses for non-consumptive, aesthetic, storage water rights. Authorization is requested for the appropriation of a total of 80 acre-feet of shallow alluvial ground water that will be exposed by the excavation of three separate pond systems on property owned by the Applicant, located approximately one half mile north of Chinden Boulevard and approximately  $\frac{3}{4}$  mile east of Star Road on Joplin Road in Ada County (the "Property"). The Property, known as the Stonebriar Subdivision, is being developed as a residential subdivision of lots 10 acres and larger (the "Project"). The ponds will be incident to excavation on the Property to provide necessary fill material for site grading. The ponds will serve as stormwater detention structures for managing stormwater generated on the property and will be integrated into the distribution system for irrigation water currently delivered to the Property by the Eureka Water Company. The ponds will be constructed, landscaped and maintained to maximize aesthetic benefits to the Project.

Pond System A will consist of three ponds (Ponds #1, #2, & #3 on attached plan) constructed south of the Phyllis Slough to a depth of approximately 18 feet. The ponds will be interconnected by grassy swales or culverts and will ultimately discharge to the Phyllis Slough. The Applicant seeks the right to store up to 14 acre-feet of ground water that will fill the ponds.

Pond System B will consist of six ponds (Ponds #4 through #9 on attached plan) constructed north of the Phyllis Slough and south of the side channel of the Boise River to a depth of approximately 20 feet. The ponds will be interconnected by grassy swales or culverts and will ultimately discharge to the side channel of the Boise River. The Applicant seeks the right to store up to 52 acre-feet of groundwater that will fill the ponds.

Pond System C will consist of one pond (Pond #10 on attached plan) constructed north of the side channel and south of the Boise River. This is the only pond proposed in a location that is not currently irrigated with water supplied by the Eureka Water Company. Any discharges from this system will be to the side channel of the Boise River. The Applicant seeks the right to store up to 12 acre-feet of groundwater that will fill the pond.

The proposed pond depths will aid in maintaining low water temperatures and minimizing algae growth during the warmer months. The ponds will be excavated below grade and therefore not require berms to retain the water. The pond side slopes will be cut at a 3:1 side slope below the mean high water line. The upper edges of the pond may be more gradual sloping, for safety reasons, and will be landscaped with a variety of native and formal lawn materials.

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No diversion of the water sought to be appropriated by this Application is proposed. However, the excavation of the ponds will eliminate 7.1 acres of historically irrigated agricultural land and expose approximately 8.1 surface acres of groundwater that enters the ponds to evaporative losses. Approximately 3.4 additional acres of historically irrigated agricultural land will be eliminated through the development of the proposed road system and the improvements to the individual lots. At the generally accepted evaporation rate of 3.5 feet/acre/year ("AFA"), the evaporation of ground water will result in a loss from the ten ponds totaling 28.4 AFA. This evaporative loss is mitigated by the elimination of the consumptive use (36.8 AFA) associated with historical agricultural irrigation of approximately 10.5 acres. Agricultural irrigation in the Boise Valley also has a generally accepted consumptive use of 3.5 AFA per irrigated acre, which equals the estimated evaporation rate from the exposed ground water. The applicant will take the required steps to insure the continued "dry up" of 10.5 acres within the place of use of the Applicant's water right, and that the water rights associated with the 10.5 acres can be passed through to the Boise River.

Surface water currently delivered to the Property for irrigation by the Eureka Water Company (see copy of water company shares\* representing the right to 90 inches of irrigation water) will be directed to a pond, within Pond System B, where a single pump station will pressurize and distribute it to the Project. Irrigation water will not be diverted at a greater rate or volume than delivered into the pond (less any amounts allocated to mitigation of evaporation), which will ensure that the only losses from the ground water source will be the mitigated evaporative losses. The Applicant proposes to install sufficient measuring devices to allow ongoing monitoring of amounts diverted from the pond and into the pressurized irrigation system.

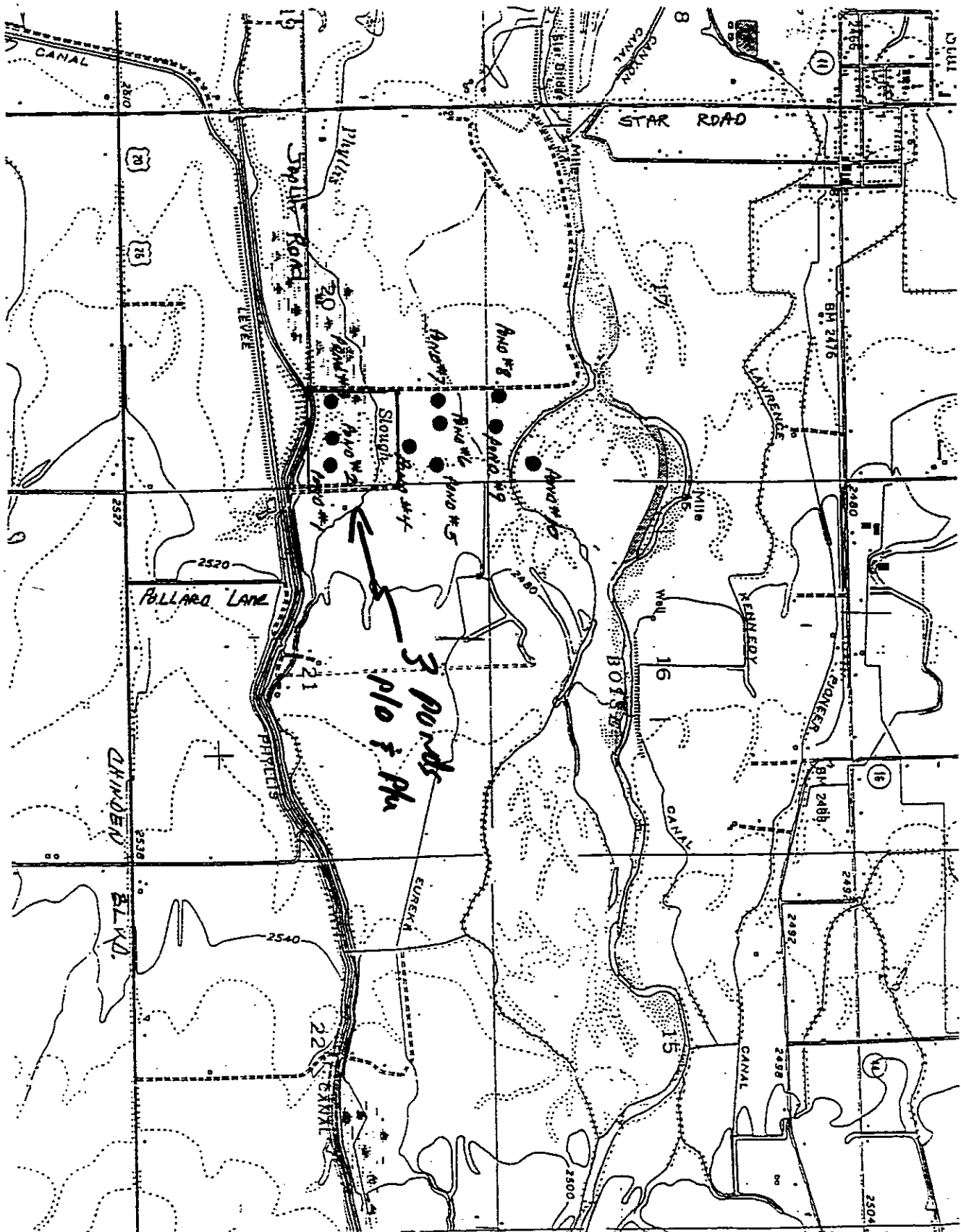
\* The Applicant currently holds these shares. A request for a name change has been submitted to the Eureka Water Company.

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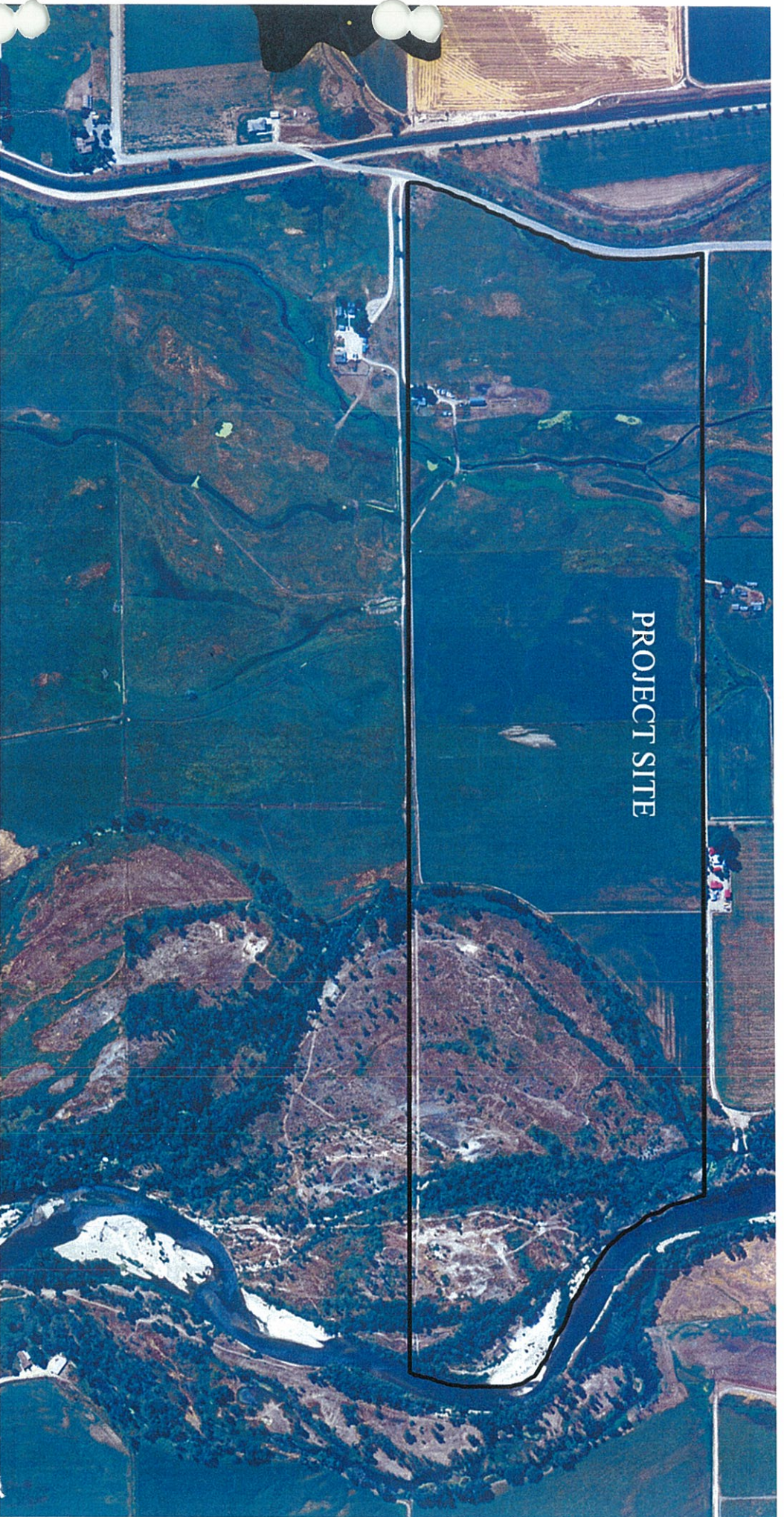
Scale: 1" = 2000'

NO. 90V4  
10/75  
SL 1/22/01



ATTACHMENT TO APPLICATION FOR PERMIT  
STONEBRIAR SUBDIVISION  
PORTIONS OF SECTIONS 17 & 20, T.4N., R.1W., B.M., ADA COUNTY, IDAHO  
DECEMBER, 2000  
(Copied from STAR 7.5 minute quadrangle, Revised 1971)

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PROJECT SITE

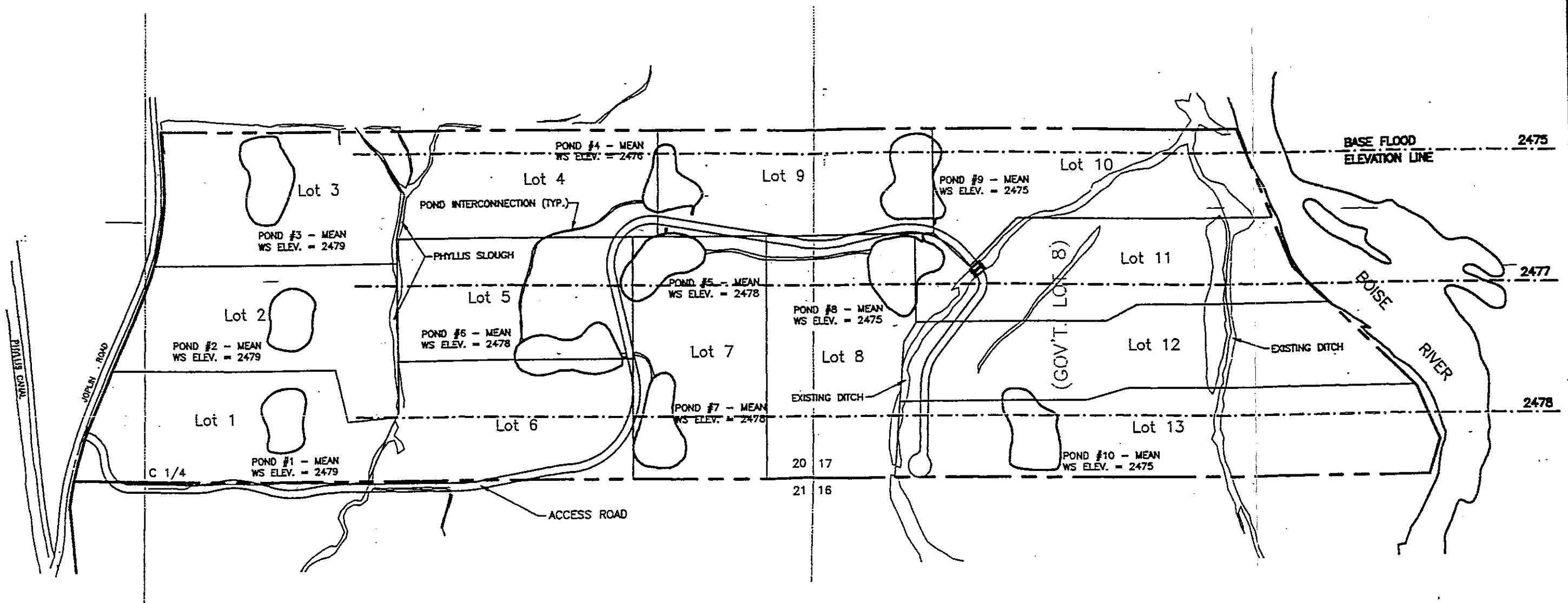
ATTACHMENT TO APPLICATION FOR PERMIT  
STONEBRIAR SUBDIVISION  
PORTIONS OF SECTIONS 17 & 20, T.4N., R.1W., B.M., ADA COUNTY, IDAHO  
DECEMBER, 2000  
(1999 aerial photo)



63-31134

# STONEBRIAR SUBDIVISION PROPOSED POND LAYOUT

PORTIONS OF SECTIONS 17 AND 20, T.4N., R1W., B.M., ADA COUNTY, IDAHO  
DECEMBER 11, 2000



63-31134

TOOTHMAN-ORTON ENGINEERING CO.  
ENGINEERS • SURVEYORS • PLANNERS  
9777 CHINDEN BOULEVARD • BOISE, IDAHO 83714-2008  
PHONE: 208-323-2288 • FAX: 208-323-2399  
E-FILE: H:\98073\WR-PONDS.DWG DATE: 12/11/00 JOB: 98073-20-400

Incorporated Under the Laws of Idaho



95

90

# Eureka Water Company

Capital Stock \$10,000.00

This Certifies that

*J. H. Properties*

*is the owner of*

*Twenty (20)*

*Shares of the Capital Stock of*

*Eureka Water Company*

*transferrable only in the books of the Corporation by the holder hereof in person or by attorney upon surrender of this Certificate properly endorsed.*

*For Witness Hereof, the said Corporation has caused this Certificate to be signed*

*by its duly authorized officers and its Corporate Seal to be hereunto affixed*

*this 6 day of April A.D. 1992*

*Stanley T. Norrie*

President



*Fred J. Huppert*

Secretary