

Ms. Michele Edl
Associate Engineer
322 East Front St.
P.O. Box 83720-0098
Boise, Idaho
83720-0098

RECEIVED
OCT 23 2004
DEPARTMENT OF
WATER RESOURCES

Dear Ms. Edl

Subject : IDWR Permit # 85-07626A and 85-07626B (attachment # 1)

As we discussed the following information is being provided on behalf of Mr. Rick Woods and Bryon Hasenoehrl of H.D.I . Inc. The subject IDWR permits are associated with their View Point subdivision near Lewiston, Idaho. The development plat was recorded on February 25, 2002 and consisted of 16 residential lots. The platting process included lifting of the sanitary restrictions by North Central Health Dept and the Idaho Department of Environmental Quality to ensure water service to the development (attachment # 2).

Proof of Beneficial Use

The aerial photograph on June/July 2004 preceding the proof dates of January 2005 and January 2006 for the water right permits 85-07626A and 85-07626B respectively show the development of 6 on the 16 lots. (attachment # 3). The remaining lots were in a position of sale and 15 of the 16 lots are currently developed (attachment # 4).

Determination of Water Quantity

Four methods were evaluated with respect to determining the water quantity for beneficial use .

- Comparison with Lewiston Orchards Irrigation District (LOID) Historical Demand. Shown in the original Water Master Plan (attachment # 5)
(The LOID service is dual distribution system with domestic and irrigation are metered separately)

Domestic Annual Demand = 332 gal/day/connection

Irrigation Annual Demand = 2,725 gal/day/connection (during peak irrigation period)

TOTAL 3,047 gal/day/connection

- National Average Demand

Domestic Demand = 320 gal/day/connection

Irrigation Demand = Varies by application no value given

Domestic Only 320 gal/day/connection

- Analysis of Existing Water Use Records with the Development (attachment #6)

Jan./Feb./Mar. 2005 (No Irrigation /Domestic Only)

Resident Jones 7890 gal./91 days = 87 gal./day/connection

Resident Clegg 10650 gal./91 days = 117 gal./day/connection

Average Domestic Demand = 102 gal./day/connection

Jun./July./1/2 Aug.. 2007 (Domestic + Irrigation)

Resident Blake 299,190 gal/76 days = 3,937 gal./day/connection

Resident Peckaenpagh 224,390 gal/76 days = 2,952 gal./day/connection

Average (Domestic and Irrigation) Demand = 2,995 gal./day/connection

Net difference to determine Irrigation Only

Average (Domestic and Irrigation) Demand = 2,995 gal./day/connection

Minus

Average Domestic Demand = 102 gal./day/connection

Calculated Irrigation Demand Only = 2,893 gal/day/connection

- Regulatory Requirements

The Idaho Department of Environmental Quality *IDAP 58.01.08-552.01.a* (attachment # 7) requires that the min. supply for domestic water supply to a community water system is 800 gal/day/connection.

Domestic Only 800 gal/day/connection

Water required for beneficial use within View Point Subdivision covered under the subject IDWR water Rights.

Domestic Demand = 800 gal./day/connection as per IDEQ requirements
= 800 gal/day/connection * 365 days/yr. * 16 connections
= 4,672,000 gal/yr. * 1c.f/7.48 gal * 1 yr./365 days * 1 day/86,400 sec.
= 0.02 c.f.s /yr.

Total Annual Domestic Demand = 0.02 c.f.s./yr.

- Irrigation Demand

High Irrigation Period
June /July/Aug/Sept. = 2,893 gal/day/connection as per water meter records
Irrigation Demand(high demand period)=
= 2,893 gal/day/connection * 122 days/high demand period * 16 connections
= 5,647,136 gal/period * 1c.f/7.48 gal * 1 yr./122 days * 1 day/86,400 sec.
= 0.072 c.f.s /yr.

Moderated Irrigation Period (@ ½ High Period)
Oct. /Nov./April/ May = 1,447 gal/day/connection as per water meter records
Irrigation Demand (moderate demand period)=
= ½ * (2,893 gal/day/connection * 122 days/high demand period * 16 connections
= 2,823,568 gal/period * 1c.f/7.48 gal * 1 yr./122 days * 1 day/86,400 sec.
= 0.036 c.f.s /yr.

No Irrigation Period
Dec. /Jan./Feb. = 0 /day/connection as per water meter records

Total Annual Irrigation Demand =	= 0.072 c.f.s./yr. High Demand
	= 0.036 c.f.s./yr. Moderate Demand
	= 0.000 c.f.s./yr. No Demand
	<u>= 0.108 c.f.s/yr. Total Irrigation Demand</u>

COMBINED ANNUAL DOMESTIC + IRRIGATION DEMAND =

Total Annual Domestic Demand = 0.02 c.f.s./yr.

Total Annual Irrigation Demand = 0.108 c.f.s./yr.

Total Irrigation and Domestic Demand = 0.128 c.f.s./yr.

- Capability of Existing Well

Existing Well producing 84 gallon/min. = 0.188 CFS

Request of Water Rights

Current View Point Subdivision Requirement : 0.128 c.f.s./yr.
Existing Well Capacity 0.188 c.f.s./yr.

Future development 0.109 c.f.s./yr

The information provides the bases for beneficial use of water within the View Point Subdivision of 0.128 c.f.s. /yr and an additional 0.109 c.f.s/yr. year for future development. On behalf of Mr. Rick Woods and Bryon Hasenoehrl of H.D.I . Inc. the request that the subject water right allow for the current and obligated water use of 0.128 c.f.s./yr and if allowable the remaining 0.109 c.f.s/yr. for future use. If additional information or clarification is necessary please give me a call at 208-305-9569. Thank you for consideration of our request.

Sincerely,



Mark Von Linden P.E. , R.E.M.
Project Engineer

c: Rich Woods
Bryon Hasenoehrl

IDAHO DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE FOR WATER RIGHT
PERMITS 85-07626A & 85-07626B

Location : View Point Development

Nez Perce County, Idaho 83501

Owners

Rick Woods

Brian Hasenoehrl

Contact : Rick Woods

Address : 1702 "G" St.

Lewiston, Idaho 83501

Phone # : 208-746-7443(home)

Prepared by

Mark Von Lindern P.E.

Address : 3829 15th St.

Lewiston, Idaho 83501

Phone # : 208-743-2128 (home)

208-305-9569 (mobile)

Preparation Date: October 19, 2007

Regulatory Contact

Michele Idl

Phone # 208-287-4800

e-mail- Michele.Edl@idwr.idaho.gov.

Attachment #1

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 85-07626

Proposed Priority: October 26, 1995 Maximum Diversion Rate: 1.00 CFS

This is to certify, that **GEORGE HASENOEHL**
4058 LAPWAI RD
LEWISTON ID 83501

has applied for a permit to appropriate water from: **GROUNDWATER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/15 to 11/15	1.00 CFS
DOMESTIC	01/01 to 12/31	1.00 CFS
FIRE PROTECTION	01/01 to 12/31	1.00 CFS
Totals		1.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

NWSE , Sec. 2, Township 35N, Range 05W
SESW , Sec. 3, Township 35N, Range 05W
NEZ PERCE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
35N	05W	2	SWNE 10.0	NWSE 10.0		20.0
		3	NESW 10.0	NWSW 10.0	SWSW 10.0	
			SESW 10.0	NESE 10.0	NWSE 10.0	
			SWSE 10.0	SESE 10.0		80.0

Total number of acres irrigated: 100.0

PLACE OF USE: DOMESTIC, same as IRRIGATION use

PLACE OF USE: FIRE PROTECTION, same as IRRIGATION use

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 2001.
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. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
5. Construction of the well must comply with Idaho well construction standards.
6. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

FEB 26 1996

State of Idaho
Department of Water Resources

Permit To Appropriate Water

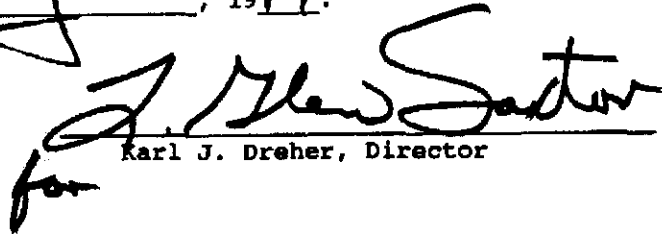
NO. 85-07626

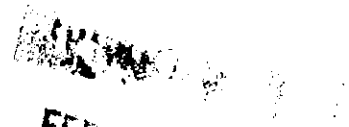
CONDITIONS OF APPROVAL AND REMARKS

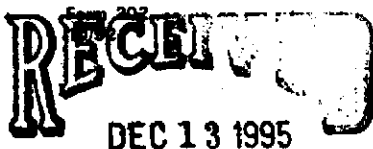
7. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
8. Domestic use is for 200 homes.
9. Domestic use does not include lawn, garden, landscape, or other types of irrigation.
10. Water shall not be diverted for fire protection use under this right except to fight or repel an existing fire.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

5th day of January, 1996.


Karl J. Dreher, Director


FEB 26 1996



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 85-7626

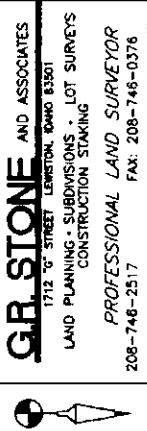
To appropriate the public waters of the State of Idaho
Department of Water Resources

1. Name of applicant GEORGE HASENDEHRL Phone 208-746-8961
208-746-9185
Post office address 4058 LAPWAI RD. LEWISTON ID. 83501
2. Source of water supply GROUND WATER which is a tributary of _____
3. Location of point of diversion is _____ 1/4 of NW 1/4 of SE 1/4, Govt. Lot _____
Sec. 2 Township 35N Range 5W B.M. NEZ PERCE County; additional
points of diversion if any: of SE 1/4 & SW 1/4 SEC. 3 - TWP 35N RANG. 5W BA
NEZ PERCE COUNTY
4. Water will be used for the following purposes:
Amount 1.00 cfs for Domestic purposes from JAN. 1 to DEC. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 1.00 for IRRIGATION purposes from 3/15 to 11/15 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 1.00 for FIRE PROTECTION purposes from 4/1 to 12/31 (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) 1.00 cfs and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. WELL, PUMP, STORAGE &
DELIVERY SYSTEM

b. Height of storage dam _____ 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 10" inches; proposed depth of well is 1200 feet.
d. Is ground water with a temperature of greater than 85°F being sought? NO
e. If well is already drilled, when? _____; Drilling firm _____;
Well was drilled for (well owner) _____
FEB 26 1996
7. Time required for the completion of the works and application of the water to be proposed beneficial use is
5 years (minimum 1 year).

Attachment #2

GR. STONE AND ASSOCIATES
1712 1ST STREET LEMMON, IDAHO 83501
LAND PLANNING - SUBDIVISIONS - LOT SURVEYS
CONSTRUCTION STAKING
PROFESSIONAL LAND SURVEYOR
208-746-2517 FAX: 208-746-0376



COUNTY PROSECUTOR

I HEREBY CERTIFY THAT THE DEDICATIONS AND
CERTIFICATIONS AS SHOWN HEREIN ARE IN CORRECT FORM.

Michael L. Spidell
NEZ PERCE COUNTY PROSECUTOR
DATE 2-14-02

CHAIRMAN COUNTY COMMISSIONERS

ACCEPTANCE BY NEZ PERCE COUNTY OF THE DEDICATION OF PUBLIC RIGHTS
OF WAY SHOWN ON THIS PLAT DOES NOT CONSTITUTE ACCEPTANCE FOR
MAINTENANCE OR IMPROVEMENT BY THE COUNTY OF ANY STREET OF FACILITY
CONSTRUCTED THEREON WHICH IS NOT IMPROVED, OR THE CONSTRUCTION
THEREOF, GUARANTEED TO BE, IN ACCORDANCE WITH THE PROVISIONS OF
POLICIES, STANDARDS, DESIGNS AND SPECIFICATIONS ADOPTED FOR ROADS
AND STREETS BY NEZ PERCE COUNTY, SUCH STREETS OR FACILITIES, IF
SUBSEQUENTLY IMPROVED TO SAID COUNTY STANDARDS, MAY BE ACCEPTED
FOR MAINTENANCE BY THE COUNTY THROUGH SEPARATE ACTION OF THE
BOARD OF COUNTY COMMISSIONERS.

I HEREBY CERTIFY THAT THIS PLAT AND THE DEDICATIONS SHOWN HEREON
HAVE BEEN APPROVED BY THE BOARD OF COMMISSIONERS OF NEZ PERCE
COUNTY, IDAHO AT A MEETING HELD ON THE 25 DAY OF
FEBRUARY, 2002.

Michael L. Spidell
CHAIRMAN OF NEZ PERCE COUNTY
BOARD OF COMMISSIONERS

COUNTY TREASURER

I HEREBY CERTIFY THAT ALL AD VALOREM TAXES AND ASSESSMENTS FOR THE
PROPERTY HEREON DESCRIBED HAVE BEEN PAID FOR THE YEAR 2001 AND
PRECEDING YEARS.

Barbara A. Joy Thomas
NEZ PERCE COUNTY TREASURER
DATE 1-22-2002
NORTH CENTRAL DISTRICT HEALTH DEPARTMENT
SANITARY RESTRICTIONS SATISFIED PER SECTION 50-1326 OF THE IDAHO CODE.

Spencer DePell
ENVIRONMENTAL HEALTH SPECIALIST
DATE 1-22-02
COUNTY SURVEYOR CERTIFICATE

I HEREBY CERTIFY THAT I HAVE CHECKED THIS PLAT AND THAT IT COMPLIES
WITH THE REQUIREMENTS OF TITLE 50, CHAPTER 13, IDAHO CODE AND
SUBDIVISION ORDINANCES OF THE COUNTY OF NEZ PERCE, IDAHO.

B. A. Joy
NEZ PERCE COUNTY SURVEYOR
DATE 1/21/02

CAG IV

294B
p. 1 of 2

VIEW POINT DEVELOPMENT

A PORTION OF THE NORTHEAST 1/4 AND THE SOUTHEAST
1/4 OF SECTION 2, T.35 N., R.5 W., BM. NEZ PERCE COUNTY, IDAHO
JULY, 1998

LEGAL DESCRIPTION

LEGAL DESCRIPTION

A DIVISION OF A PORTION OF SECTION 2, TOWNSHIP 35 NORTH, RANGE 5 WEST, BOISE MERIDIAN, IN
THE COUNTY OF NEZ PERCE, STATE OF IDAHO, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST 1/4 CORNER OF SAID SECTION 2;

THENCE SOUTH 89°22'00" WEST A DISTANCE OF 1327.27 FEET TO THE EAST 1/16 CORNER;

THENCE CONTINUING SOUTH 89°22'00" WEST ALONG SAID EAST 1/16 LINE A DISTANCE OF 4.58 FEET
TO A POINT ON THE EAST LINE OF INSTRUMENT NO. 581831;

THENCE SOUTH 00°27'05" EAST ALONG THE EAST LINE OF INSTRUMENT NO. 581831 A DISTANCE OF
46.33 FEET;

THENCE SOUTH 89°17'47" WEST ALONG THE SOUTH LINE OF INSTRUMENT NO. 581831 A DISTANCE
OF 248.30 FEET TO THE TRUE POINT OF BEGINNING;

THENCE NORTH 58°20'57" WEST A DISTANCE OF 93.43 FEET;

THENCE NORTH 00°27'06" WEST A DISTANCE OF 682.41 FEET TO THE SOUTH RIGHT OF WAY OF
LAPWAI ROAD AS OF 7-6-2000, SAID POINT ALSO BEING ON A CURVE CONCAVE TO THE NORTHEAST
HAVING A CENTRAL ANGLE OF 12°59'19", A RADIUS OF 2250.24 FEET AND A RADIAL BEARING OF
SOUTH 16°09'45" WEST;

THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 510.11 FEET TO A POINT
HAVING A RADIAL BEARING OF SOUTH 29°09'04" WEST;

THENCE SOUTH 00°27'06" EAST A DISTANCE OF 836.01 FEET;

THENCE SOUTH 48°05'21" EAST A DISTANCE OF 104.48 FEET;

THENCE SOUTH 00°26'15" EAST A DISTANCE OF 643.22 FEET;

THENCE NORTH 89°17'47" EAST A DISTANCE OF 472.63 FEET TO THE WEST LINE OF INSTRUMENT NO.
570741;

THENCE NORTH 00°26'15" WEST ALONG SAID WEST LINE OF INSTRUMENT NO. A DISTANCE OF 647.09'
TO THE TRUE POINT OF BEGINNING.

ALONG WITH THE FOLLOWING 50' WIDE PORTION OF LAND FOR PUBLIC UTILITY EASEMENTS AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT THE ABOVE TRUE POINT OF BEGINNING;

THENCE SOUTH 00°26'15" EAST ALONG THE WEST LINE OF SAID INSTRUMENT NO. 570741 A DISTANCE
OF ~~647.09~~ 658.57 FEET;

THENCE SOUTH 89°17'47" WEST ALONG THE SOUTH LINE OF LOT 4 OF THIS PLAT A DISTANCE OF
202.53 FEET TO THE TRUE POINT OF BEGINNING FOR SAID UTILITY EASEMENT;

THENCE SOUTH 00°26'15" EAST A DISTANCE OF 603.03 FEET;

THENCE SOUTH 89°33'45" WEST A DISTANCE OF 50.00 FEET;

THENCE NORTH 00°26'15" WEST A DISTANCE OF 602.79 FEET TO THE SOUTH LINE OF LOT 3 AS
SHOWN BY THIS PLAT;

THENCE NORTH 89°17'47" EAST ALONG SAID LOTS 3 AND 4 A DISTANCE OF 50.00 FEET TO THE
TRUE POINT OF BEGINNING.

EXCLUDING ANY PORTION LYING WITHIN PRIVATE ROADS, PUBLIC ROADS OR EXCLUSIVE EASEMENTS
FOR INGRESS, EGRESS PURPOSES.

OWNER'S DEDICATION

WE, THE UNDERSIGNED OWNER(S) OF THE HEREIN DESCRIBED AND PLATTED
PROPERTY DO HEREBY CERTIFY THAT WE INTEND TO SUBDIVIDE SAID PROPERTY
AS INDICATED BY THIS INSTRUMENT. THEREFORE, KNOW ALL PERSONS BY
THESE PRESENTS, THAT WE HEREBY DEDICATE TO THE PUBLIC, FOREVER,
THOSE STREETS AND EASEMENTS AS SHOWN PLATTED HEREIN.

Bryan G. HasenoeHRL
BRYAN G. HASENOEHRL
DATE 1-22-02

Nancy L. HasenoeHRL
NANCY L. HASENOEHRL
DATE 1-22-02

ACKNOWLEDGMENT

STATE OF IDAHO }
COUNTY OF NEZ PERCE } SWORN STATEMENT

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, PERSONALLY APPEARED

Bryan & Nancy HasenoeHRL
KNOWN TO ME TO BE THE PERSON(S) WHO EXECUTED THE FOREGOING
OWNER'S CERTIFICATE, A FREE AND VOLUNTARY ACT AND DEED.

WITNESS THEREOF, THIS 22 DAY OF Jan, 2002
NOTARY PUBLIC, IN AND FOR THE STATE OF IDAHO.

Bryan G. HasenoeHRL
NOTARY PUBLIC, IN AND FOR THE STATE OF IDAHO.

RESIDING AT Nezperce, Idaho 83543
MY COMMISSION EXPIRES 4/1/05

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY CONDUCTED UNDER MY
SUPERVISION IN CONFORMANCE WITH THE REQUIREMENTS OF THE
SURVEY RECORDING ACT AT THE REQUEST OF BRYAN HASENOEHRL
DURING JULY 1998.



G.R. Stone
GARY R. STONE
IDAHO PROFESSIONAL LAND SURVEYOR #4346
DATE 1-16-2002
REV. 12-10-01
JN96075, 07-12-98
PAGE 1, BTH/grs

VIEW POINT DEVELOPMENT

A PORTION OF SECTION 2, T. 35 N.,
R. 5 W., B.M. NEZ PERCE COUNTY, IDAHO

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	60.36	375.00	9°13'22"	30.25
C2	72.59	375.00	11°05'26"	36.41
C3	115.22	325.00	20°18'48"	58.22
C4	47.02	60.00	44°54'02"	24.79
C5	74.23	60.00	24°37'27"	13.10
C6	88.29	60.00	84°18'23"	54.32
C7	47.02	60.00	44°54'02"	24.79
C8	115.48	60.00	110°16'35"	86.13
C9	52.98	60.00	50°35'39"	28.36
C10	86.34	60.00	82°27'02"	52.57
C11	86.87	60.00	82°57'16"	53.04
C12	47.02	60.00	44°54'02"	24.79
C13	54.93	60.00	52°27'00"	29.56
C14	47.02	60.00	44°54'02"	24.79
C15	54.40	60.00	51°58'45"	29.23

BASIS OF BEARING

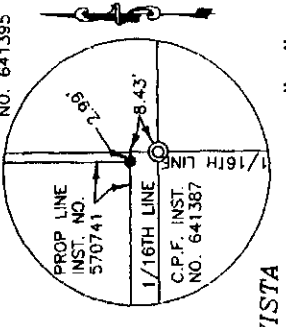
NORTH 89°22'00" WEST ALONG THE EAST/WEST CENTER OF SECTION
LINE PER INST. NO. 595141

NOTES

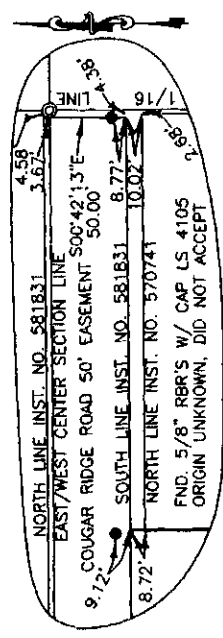
ALL STREETS, ROADS, DRIVES AND ALLEYS ARE PRIVATE ROADS.
ALL LOTS WILL BE SERVED BY A CENTRAL WATER SYSTEM SUPPLIED
BY THE DEVELOPER AND APPROVED BY THE DEPARTMENT OF
ENVIRONMENTAL QUALITY

LEGEND

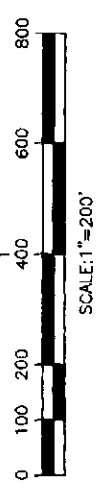
- FD. 1/2" RBR W/ Y.P.C. STAMPED LS 749 UNLESS OTHERWISE STATED
SET 5/8" REBAR WITH L.S. CAP #4346 AT LOT CORNERS,
ANGLE POINTS, AND POINTS OF CURVATURE.
- = FND. CENTER 1/4 CORNER PER INST. NO. 595141
- = FND. ALUM. DISC PER INST. NO. 595141 FOR 1/4 CORNER
UNLESS OTHERWISE STATED
- = FND. ALUM. DISC PER INST. NO. 595141 FOR 1/16 CORNER
UNLESS OTHERWISE STATED
- = SET 2 1/2" ALUM. DISC PER INST. NO. 595141 INFO. FOR
1/16 COR. UNLESS OTHERWISE STATED



HARVEST VISTA
ADDITION
INST. NO. 601119



DETAIL "B"
N.T.S.

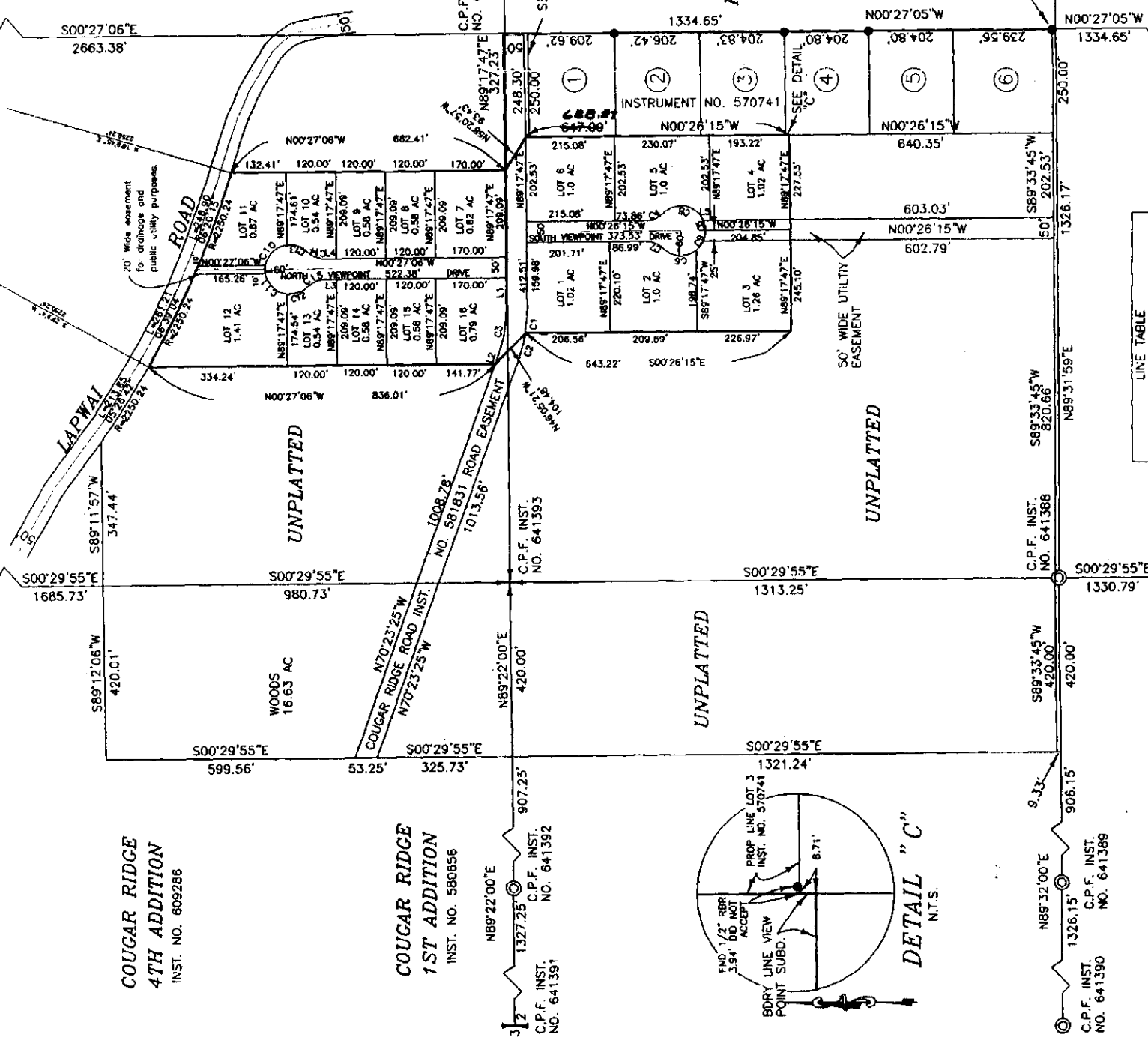


NOTES

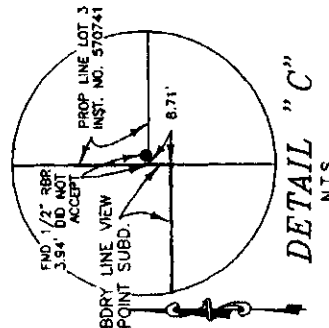
THE SECTION LINES, CENTER OF SECTION LINES
AND 1/16TH LINES ON THIS PLAT ARE PER INST.
NO. 595141 AND DO NOT MATCH WITH JAMES
GROW LS 749. THE PROPERTY LINES ARE IN THE
CORRECT LOCATIONS PER LS 749 INFORMATION.

G.R. STONE AND ASSOCIATES, INC.
1712 "G" STREET LEMMON, IDAHO
LAND PLANNING-SUBDIVISIONS - LOT SURVEYS
CONSTRUCTION STAKING
PROFESSIONAL LAND SURVEYOR
208-746-2517 FAX: 208-746-0576

FND. 1/2" RBR W/ Y.P.C.
STAMPED LS 749
C.P.F. INST.
NO. 641386



LINE	LENGTH	BEARING
L1	74.49	S89°17'47"W
L2	23.09	N70°23'21"W
L3	27.78	N00°27'06"W
L4	27.56	S00°27'06"E
L5	16.97	N00°26'15"W



DETAIL "C"
N.T.S.

C.P.F. INST.
NO. 641390

COUGAR RIDGE
4TH ADDITION
INST. NO. 609286

COUGAR RIDGE
1ST ADDITION
INST. NO. 580656

C.P.F. INST.
NO. 641391

C.P.F. INST.
NO. 641393

C.P.F. INST.
NO. 641388

C.P.F. INST.
NO. 641385

C.P.F. INST.
NO. 641386

C.P.F. INST.
NO. 641394

SET ALUM. CAP
FOR E. 1/4 COR
PER INST. NO.
595141

Attachment #3

Nez Perce County
Arista Aerial Photography
May / June 2006



1 inch equals 75 feet

lot 2
lot 3

~~STACHNEY~~ #4



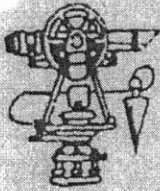
Attachment #2

Nez Perce Co. / Avista Photo Sun 9 / July 2004

~~Attachment~~ #5

GARY R. STONE & ASSOCIATES, INC.

PROFESSIONAL LAND SURVEYING & ENGINEERING



1712 "G" STREET LEWISTON, IDAHO 83501

PHONE (208) 746-2517 · FAX (208) 746-0376

March 2, 2004

Mr. Tom Moore PE
Water Quality Engineer
Idaho Department of Environmental Quality
1118 "F" Street
Lewiston, Idaho 83501

Dear Tom:

Mr. Rick Woods and Mr. Bryan Hasenoehrl developers of View Point Subdivision requested evaluation of the water system to determine available supply and supply pressures at the resident. The water system engineering report of 7/1/00 (Section I – Background/Project Description/Section II Water demands/Design Criteria and Capacities) is provided as attachment # 1.

Documentation Review

The engineering report of 7/1/00 included the following design parameters:

Water Demand

Average daily demand @ 1.2 gpm/unit

1728 gal/day/unit

Design maximum daily demand = 2 * average daily demand @ 12 hour duration

= 2.4 gpm/unit * 12 hr/unit

= 1728 gal for 12 hr. period/unit

Design peak hourly demand = 5 * design daily demand @ 1 hour

Duration = 6 gpm * 1 hour = 360 gal/hr/unit

Existing System Analysis – Flow Test (2/22/04)

Booster Station

Beginning pressure @ high point of distribution system = 69 psi @ 10 gpm demand

Maximum discharge to maintain minimum design pressures of 42 psi @ high point of distribution system = 192 gpm

Supply Well

Pump discharge @ 95% full storage tank level = 85.6 gpm

Note: Engineering report @ 84 gpm

Storage

10,000 gallon storage tank (active storage)

Determination of Number of Hookups

Water source = Well supply * 80% = available daily average flow

$$85.6 \text{ gpm} * 80\% = 68 \text{ gpm}$$

*80% for Factor of Safety

$$68 \text{ gpm} / 1.2 \text{ gpm/connection} = 57 \text{ connections}$$

Water Supply (pump station)

Water supply @ peak hourly demand = 192 gpm / 6 gpm/connection = 32 connections

Storage Tank + Water Source

Available Supply = 10,000 gallons + 68 gal/min * 60 min.

$$= 10,000 \text{ gallons} + 4,080 \text{ gallons}$$

$$= 14,080 \text{ gallons availability}$$

Peak Hourly Demand = 360 gallons/connection

$$\frac{14,080 \text{ gallons available}}{360 \text{ gallons /connection}}$$

$$= 39 \text{ connections}$$

Design Maximum Daily = Available supply (well only) = 85.6 gpm

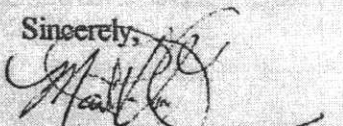
$$85.6 \text{ gpm/max daily @ } 2.4 \text{ gpm/connection} = 35 \text{ connections}$$

Analysis

Considering the flow pressure test information, the system is capable of providing water service to the maximum 32 hookups. However a second well would be required to exceed 25 services. The developers request approval to provide service to 16 lots at the time.

Thank you for consideration of the above request. If further information is needed, please give me a call at (208) 746 - 2517.

Sincerely,



Mark P. Von Lindern P.E.

Cc. Rick Woods

Bryan Hasenoehrl

**Water Demands/Design Criteria
and Capacities
(Section II)**

Water Demands/Design Criteria and Capacities

The water supply, storage and distribution system capacity as exists on 7/1/00 is analyzed as follows:

Estimating Demand

Local and National water usage references were considered as options #1 & 2 respectively as follows for determining water demand.

Option #1:

Service comparable to L.O.I.D. service (based on L.O.I.D. records)

Domestic	->	1,333 C.F. (9,971 gal/mo/unit) 45 C.F. (332 gal/day/unit)
Irrigation	->	65,340 C.F. (488,743 gal) /yr/unit 10,890 C.F. (81,457 gal) /mo/unit (based on 6 months demand)
Combined Daily Demand	->	Domestic + Irrigation (332 gal) /day/unit Domestic + (2,715 gal)/day/unit Irrigation

Option #2:

National Estimate

Average Daily Water Use = 320 gal/day/unit

Maximum Daily Water Use = 1,750 gal/day/unit

Selected Demand:

1. Average Daily Demand

Domestic	@	332 gal/day/unit (100% L.O.I.D.)
Irrigation	@	1,396 gal/day/unit
Combined	@	1,728 gal/day/unit

1.2 gpm/unit

- Design maximum daily demand = 2* design daily demand @ 12 hour duration = 2.4 gpm/unit, 1,728 gallons for 12 hour period/unit
- Design peak hourly demand = 5* design daily demand @ 1 hour duration = 6 gpm/unit, 360 gallons for 1 hour period/unit

ATTACHMENT #6

Rick Woods

From: "Nancy Hasenoehrl" <hasenoehrl2000@cablone.net>
To: "Rick Woods" <rwoodsins@cablone.net>
Sent: Wednesday, October 03, 2007 9:32 AM
Subject: water usage

2005	Jan Feb Mar	May June July
	Jones 7890 Blake 6570	Jones 92010 Blake 84260
2006	1/18 - 5/21	May June July
	Jones 25420 Blake 31730	Jones 92400 Blake 145350
2007	Mar Apr May	June July 1/2 Aug
	Jones 98640 Blake 108580	Jones 170950 Blake 299190



H.D.I. INC.

Bloomer's Nursery
Nancy Hasenoehrl
208-790-4276

10/18/2007

ДТАС НКВД № 7

ATTACHMENT #

IDAHO ADMINISTRATIVE CODE
Department of Environmental Quality

IDAPA 58.01.08 - Idaho Rules for
Public Drinking Water Systems

- a. Tanks shall be located above normal ground surface and be completely housed. (3-30-07)
- b. Tanks shall have bypass piping to permit operation of the system while the tank is being repaired or painted. Exterior surfaces and accessible interior surfaces shall be provided with protective coatings and shall be maintained in good condition. Supports beneath tanks shall be structurally sound. (3-30-07)
- c. Tanks shall be sized to limit pump cycles to not more than six (6) per hour unless a pump manufacturer's warranty specifically supports more frequent cycling. The number of pump cycles may be increased in systems with multiple pumps if a means to automatically alternate pumps is provided. The Franklin Electric AIM manual, referenced in Subsection 002.02, Chapter 11 of the Washington State Department of Health Water System Design Manual, referenced in Subsection 002.02, or manufacturer's recommendations may be used as guidance in calculating the size of hydropneumatic tanks. (3-30-07)

d. Tanks of greater than one-hundred twenty (120) gallons volume shall conform with the American Society of Mechanical Engineers (ASME) specifications code for unfired pressure vessels. Tanks of less than one hundred twenty (120) gallons volume shall meet the ASME code or be certified by a nationally recognized testing agency to be capable of withstanding twice the maximum allowable working pressure. (3-30-07)

02. Requirements Specific to Conventional Hydropneumatic Tanks. Conventional tanks are those that have a direct air to water interface and require periodic air recharge to compensate for absorption of air into the water. (3-30-07)

a. Each tank shall have an access manhole, a drain, and control equipment consisting of a pressure gauge, water sight glass, automatic or manual air blow-off, means for adding air that is filtered or otherwise protected from contamination, and pressure operated start-stop controls for the pumps. If tank size allows, the access manhole shall be at least twenty-four (24) inches in diameter. (3-30-07)

b. The gross volume of tanks in systems served by variable speed pumps may be less than that required for systems served by constant speed pumps. Design volumes shall be approved by the Department on a site-specific basis. (3-30-07)

03. Requirements Specific to Bladder Tanks. Bladder tanks have a membrane that separates air and water inside the tank. (3-30-07)

a. Bladder tanks must be pre-charged with air to a pressure of five (5) psi below the setting at which the pump turns on (the low operating pressure for the system). (3-30-07)

b. Each manifold assembly shall have a pressure gauge and pressure operated start-stop controls for the pumps. (3-30-07)

c. The procedure for sizing bladder tanks is to determine the number of a selected size of tanks that are needed to provide pump protection. Reduced tank volume in systems served by variable speed pumps shall be approved by the Department on a site specific basis. (3-30-07)

548. FACILITY AND DESIGN STANDARDS - DISINFECTION OF FACILITIES PRIOR TO USE. Any supplier of water for a public water system shall ensure that new construction or modifications to an existing system shall be flushed and disinfected in accordance with American Water Works Association (AWWA) Standards, incorporated by reference into these rules at Subsection 002.01, prior to being placed into service. (3-30-07)

549. -- 551. (RESERVED).

552. FACILITY AND DESIGN STANDARDS -- OPERATING CRITERIA FOR PUBLIC WATER SYSTEMS.

01. Quantity and Pressure Requirements. (12-1-92)

a. **Minimum Quantity.** The capacity of a public drinking water system shall in no instance be less than

eight hundred (800) gallons per day per residence, plus irrigation flows.

(5-3-03)

b. Pressure. If the Department receives a complaint from a customer or customers of a public drinking water system regarding inadequate or excessive pressure, the Department may, after initial investigation by the water system or the Department, require the public water system to conduct a local pressure monitoring study to diagnose and correct pressure problems.

(3-30-07)

i. Any public water system shall be capable of providing sufficient water during maximum day demand conditions, including fire flow to maintain a minimum pressure of twenty (20) psi throughout the distribution system, at ground level, as measured at the service connection or along the property line adjacent to the consumer's premises.

(3-30-07)

ii. Any public water system constructed or significantly modified after July 1, 1985, shall maintain a minimum pressure of forty (40) psi throughout the distribution system, during peak hourly demand conditions, excluding fire flow, measured at the service connection or along the property line adjacent to the consumer's premises.

(3-30-07)

(1) Existing water systems that are planning to expand their service area shall meet the criteria in Subsections 552.01.b.i. and 552.01.b.ii. in the new service area.

(4-11-06)

(2) Compliance with these requirements by water systems that do not have a meter vault or other point of access at the service connection or along the property line adjacent to the consumer's premises where pressure in the distribution system can be reliably measured shall be determined by measurements within the consumer's premises, or at another representative location acceptable to the Department.

(5-3-03)

iii. Any public water system shall keep static pressure within the distribution system below one hundred (100) psi and should ordinarily keep static pressure below eighty (80) psi. Pressures above one hundred (100) psi shall be controlled by pressure reducing devices installed in the distribution main. If system modification will cause pressure to routinely exceed eighty (80) psi, the water system shall notify affected customers. The Department may approve the use of pressure reducing devices at individual service connections on a case by case basis, if it can be demonstrated that higher pressures in portions of the distribution system are required for efficient system operation.

(3-30-07)

iv. The Department may allow the installation of booster pump systems at individual service connections on a case by case basis. However, such an installation may only occur with the full knowledge and agreement of the public water system, including assurance by the water system that the individual booster pump will cause no adverse effects on system operation.

(4-11-06)

v. When pressures within the system are known to have fallen below twenty (20) psi, the water system must provide public notice and disinfect the system.

(5-3-03)

c. Fire Flows. Any public water system designed to provide fire flows shall ensure that such flows are compatible with the water demand of existing and planned fire fighting equipment and fire fighting practices in the area served by the system.

(5-3-03)

d. Irrigation Flows.

(12-1-92)

i. Any public water system constructed after November 1, 1977, shall be capable of providing water for uncontrolled, simultaneous foreseeable irrigation demand, which shall include all acreage that the system is designed to irrigate.

(5-3-03)

(1) The Department must concur with assumptions regarding the acreage to be irrigated. In general, an assumption that no outside watering will occur is considered unsound and is unlikely to be approved.

(5-3-03)

(2) An assumption of minimal outside watering, as in recreational subdivisions, may be acceptable if design flows are adequate for maintenance of "green zones" for protection against wildland fire.

(5-3-03)