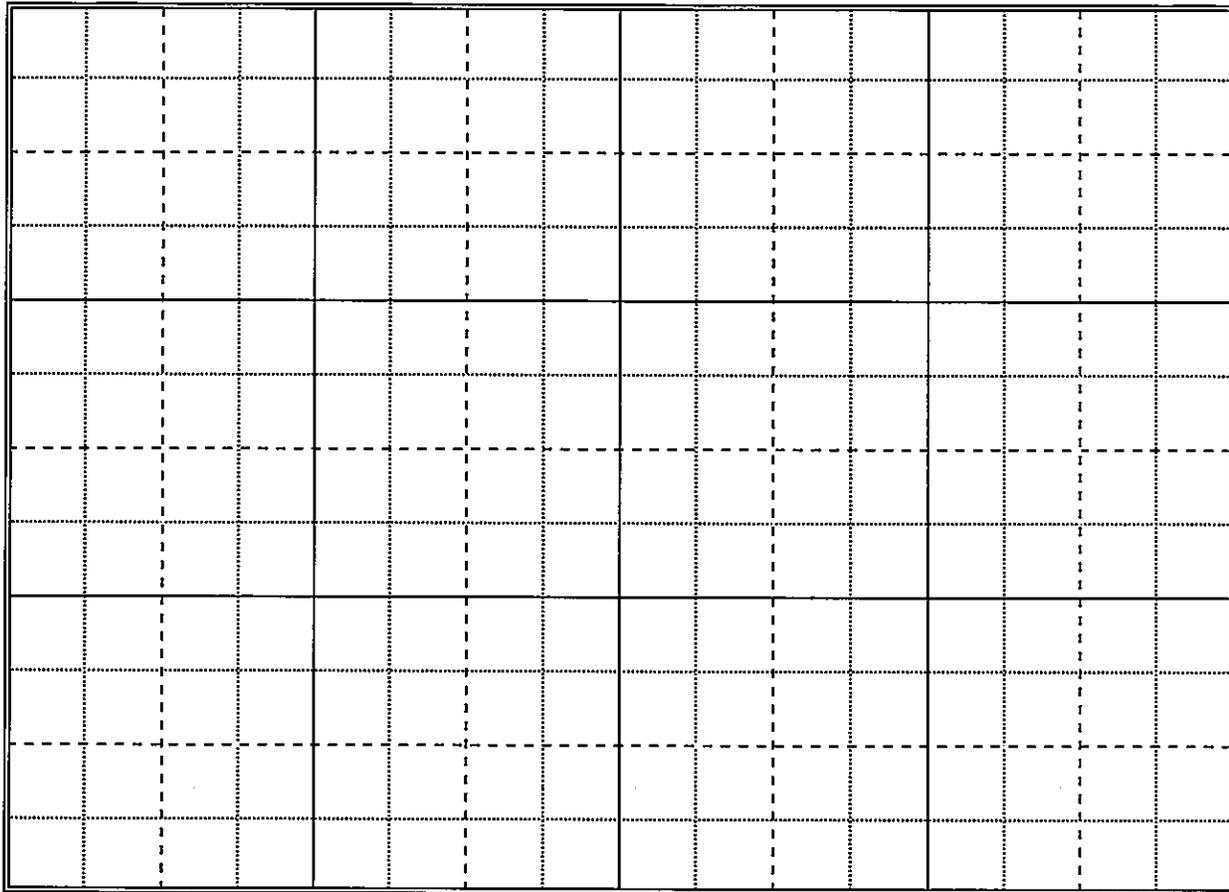




3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe id as applicable. **See Attachment E**



Scale: 1" = \_\_\_\_\_.

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

Y Aerial Photo Attached (required for irrigation of 10+ acres)

Y 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
*1	Franklin	100	Mod. 239604	Goulds	Mod. 9RCLC (5 stages)
*2		75		Crown	Mod. 8M-700-3
3	US Motor	250	H09-BF84A-4	Goulds	Mod. 13CHC

**D. FLOW MEASUREMENTS**

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
*1	Totalizer	McCrometer		95-2476	6"	
*2	Totalizer	McCrometer		95-2475	4"	
3	Totalizer	McCrometer		03-06810-8	8"	

**2. Measurements:**

**Wells 1 and 2.** The pumping capacity for Well 1 is 1,200 gpm (2.68 cfs). The pumping capacity for Well 2 is 660 gpm (1.47 cfs). These amounts were determined by the Department when licensing water right 63-12125.

**Well 3.** The pumping capacity for Well 3 is 1,300 gpm (2.9 cfs) based on initial test pumping, system discharge pressure, and the associated pump curve. Calculations are provided below.

**Pumping Water Level:** Static water level at the time of test pumping was 138 feet. The well driller's report lists test pumping at 2400 gpm with 100' drawdown (24 gpm/ft drawdown) after 8 hours of pumping. At 1700 gpm, pumping water level will be 209 feet (138 feet static + 1700 gpm/24 gpm/ft).

**Discharge Pressure:** Static system pressure at Well 3 measured at the adjacent pressure reducing station on 4/8/09 was 80 psi. The system operator noted that summertime discharge pressure is 100 psi (231 feet)

**Column Friction Loss:** 8-inch column and 1 11/16<sup>th</sup> shaft at 1700 gpm = 10.7 feet per 100 feet. For 350 feet, total column friction loss is 37 feet.

**Mechanical Piping Friction Loss:** Discharge head and discharge piping from well to PRV station. Assume 1700 gpm, 8-inch pipe, steel pipe (C value of 120). For 300 feet equivalent length, loss is 17 feet.

Total Dynamic Head required at 1700 gpm is 494 feet (209 + 231 + 17 + 37)

Goolds 13 CHC pump curve lists 1700 gpm (3.79 cfs) at 496 feet.

**Total pumping Capacity for Wells 1, 2 and 3 = 3,560 gpm (7.93 cfs)**

## E. NARRATIVE/REMARKS/COMMENTS

Three 16" wells provide internal and external domestic water to 261 residential lots within Hillsdale Estates Nos. 2 through 7 and Star Ridge Estates Nos. 1 through 3.

Well 1 is located on Lot 1, Block 1 and Well 2 is located on Lot 14, Block 3, Hillsdale Estates No. 1. The pumping capacities for Wells 1 & 2 were previously determined by the department during the licensing exam for water right 63-12125, which authorizes internal/external domestic uses for 53 residential lots in Hillsdale Estates No. 1. Pump curves from that exam are included in Attachment C. Please refer to the exam file for specific information and photos regarding Wells 1 & 2.

Well 3 is located on Lot 1, Block 3, Star Ridge Estates No. 1 and is equipped with a 250 hp turbine pump. The distribution system consists of various sized mainline (4-10 inches) and 261 one-inch service lines as indicated in the system diagram included as Attachment E. As of March 2009, 217 homes have been built and 44 lots remain vacant. Domestic water supply is stubbed to each lot.

The original plat map has been amended numerous times. A current lot and block listed for the 261 homes is included as Attachment B, and described as follows.

- Lots 15-23 and 26-31 of Block 3, Lots 20-24 of Block 4, and Lots 1-6 of Block 5, Hillsdale Estates No. 2
- Lots 33-49 of Block 3, Lots 9-26 of Block 5, Lots 1 and 2 of Block 6, and Lots 1-6, 9-11, and 13-22 of Block 7, Hillsdale Estates No. 3
- Lots 3-7 of Block 6 Hillsdale Estates No. 4
- Lots 21-27 of Block 2, Lots 51-62 of Block 3, and Lots 9-25 of Block 6, Hillsdale Estates No. 5
- Lots 30-57 of Block 5, Hillsdale Estates No. 6
- Lots 27, 29, 31-38, 40-48, and 50-55 of Block 4 and Lots 60-76 of Block 5, Hillsdale Estates No. 7
- Lots 2 and 4-9 of Block 1, Lots 1-15 of Block 2, and Lots 2-9 of Block 3, Star Ridge Estates No. 1
- Lots 18-25 and 27-28 of Block 2, Lots 11-31 of Block 3, and Lot 1 of Block 5, Star Ridge Estates No. 2
- Lots 10-14 of Block 1, Star Ridge Estates No. 3

Each lot is limited to ½ acre domestic irrigation. Any additional irrigation developed beyond ½ acre per lot, including common areas, is covered under existing irrigation rights listed in item B. 1. The developer specifically withheld ownership of the appurtenant irrigation water rights in the Declaration of Covenants, Conditions and Restrictions (CC&Rs) for Hillsdale and Star Ridge Estates that was first recorded in 1995, prior to the sale of subdivision lots. Now that the SRBA process is nearly complete for the irrigation rights, the developer intends to file a transfer application to clarify the current irrigation place of use, including conveyance of sufficient irrigation water to the Homeowner's Association to cover the subdivisions' current lot irrigation in excess of ½ acre and common areas pursuant to the recorded CC&Rs.

The permit lists a water-bearing zone of 200 to 662 feet. The water-bearing zones (screen intervals) developed are 440 to 615 feet for Well 1, 460 to 662 feet for Well 2 and 575 to 655 feet for Well 3.

**F. FLOW CALCULATIONS**

Yes Additional Computation Sheets Attached  
(see Attachment C for well logs and associated pump curves)

Measured Method: Pump Curves

- Well 1: 1,200 gpm
- Well 2: 660 gpm
- Well 3: 1,700 gpm
- Total 3,560 gpm or 7.93 cfs
- Limited to 3.26 cfs per permit

**G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$   
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$   
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

2. Volume Calculations for Other Uses:

Potential Volume = 3.26 cfs x 365 days x 1.9835 af/cfs-day = 2,360.2 afa  
 Required Volume = 261 homes x 1.2 afa = 313.2 afa

Note that Condition No. 9 of the permit states "This right does not provide for irrigation of common areas or for irrigation of lots upon which homes have not been constructed." This condition is not interpreted to prevent future irrigation of stubbed-in, but currently vacant, building lots in the future. As a result, the 313.2 afa volume recommendation provided above includes volume for irrigation of stubbed in lots after homes are constructed.

**H. RECOMMENDATIONS**

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Domestic	1/1	12/31	3.26	313.2

2. Recommended Amendments

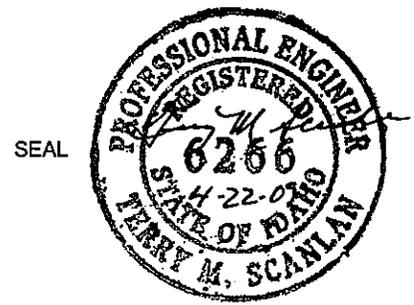
- Change P.D. as reflected above     Add P.D. as reflected above     None  
 Change P.U. as reflected above     Add P.U. as reflected above     Other

**I. AUTHENTICATION**

Field Examiner's Name Terry M. Scanlan, P.E., Certified Water Right Examiner No. 10-129 Date 4/22/09

Field Examiner's Signature *Terry M. Scanlan*

Reviewer \_\_\_\_\_ Date \_\_\_\_\_





**ATTACHMENT A**  
**PERMIT RECORD AND PROOF OF BENEFICIAL USE**

APR 01 2009

STATEMENT OF COMPLETION FOR SUBMITTING PROOF OF BENEFICIAL USE

Receipt No. / Receipt By: / Date Received:

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 63-31862 Telephone No. 208-376-4665

2. Name of Permit Holder(s): Hillsdale Estates Homeowners Assn., Inc.

3. Mailing Address: 210 Murray Street City Garden City

State ID Zip 83714 Email:

4. Source of Water: Ground Water If GROUND WATER (well), Date Drilled: mo. 07 / yr. 2004

Well Driller: Riverside Inc. Drilling Permit Number: 883061-816215

5. Extent of use(s) completed (as authorized by the water right permit):

Domestic (No. of households): 261 Stockwater (No. and type of stock):

Irrigation (No. of acres): Other:

6. Total rate of diversion or storage volume for which proof is submitted: 3.26 cfs OR acre-feet.

7. Compliance with a Measuring Device requirement and/or other Conditions of Permit: (Refer to the approval conditions on your permit and respond accordingly.)

Measuring Device: Is a measuring device required? If yes, has the measuring device been installed? Yes [ ] or No [X] Yes [ ] or No [X]

Conditions of Permit: Does your permit require you to submit additional information in connection with your proof of beneficial use? (If yes, please list the conditions below and provide documents if necessary.) Completed? Yes [ ] or No [ ] Completed? Yes [ ] or No [ ]

8. Fee Enclosed: \$ N/A, SPF Water Engineering will be conducting the exam (See Fee Schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.)

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

Name: Ellen B. Spencer Telephone Number: 286-7675 Mailing Address: 410 Riverside Management City Boise State ID Zip Email: ebspencer5@gmail.com

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: Ellen B. Spencer, President Date: 3/25/09 (include your title, if on behalf of company or organization) Hillsdale HOA

COPY

Close

IDAHO DEPARTMENT OF WATER RESOURCES  
Water Permit Report

4/3/2009

WATER RIGHT NO. 63-31862

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	HILLSDALE ESTATES HOMEOWNERS ASSN INC 210 MURRAY ST GARDEN CITY, ID 83714 (208)376-4665
Representative	ERO RESOURCES CORP C/O NORM YOUNG 3314 GRACE ST BOISE, ID 83703 (208)373-7983

Priority Date: 01/29/2004  
Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
DOMESTIC	01/01	12/31	3.26 CFS	
Total Diversion			3.26 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SWSWNW	Sec. 28	Township 05N	Range 01W	ADA County
GROUND WATER	SWSENE	Sec. 29	Township 05N	Range 01W	ADA County
GROUND WATER	SESESW	Sec. 25	Township 05N	Range 02W	CANYON County

DOMESTIC Use:  
Number of homes: 261

Place(s) of use:

Place of Use Legal Description: DOMESTIC ADA County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>									
05N	01W	29		SWNE										
				SWNW			SENE							
				NESW			NWSW			SWSW			SESW	
				NWSE			SWSE			SESE				
		30		SWNE			SENE							
			2	SWNW			SENE							
			3	NWSW			SENE							
		32		NENE			NWNE							
				NENW										
	02W	25		SENE										
				SWSW			SESW							
				NESE			NWSE			SWSE			SESE	

Conditions of Approval:

- 26A 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 the permit holder had no control.
- 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.

3. Water bearing zone to be appropriated is from 200 to 662 feet.
4. 106 Prior to the diversion and use of water under this approval, the right holder shall comply with applicable water quality standards of the Department of Environmental Quality.
5. X01 Domestic use is for 261 homes.
6. X60 Place of use is located within Lots 15-23, 26-31, 33-49, 51-57, 59-62, Blk. 3; Lots 22-24, 27, 29, 31-38, 41-48, 50-55, Blk. 4; Lots 1-6, 9-26, 30-57, 60-76, Blk. 5; Lots 1-7, 9-25, Blk. 6; Lots 1-6, 8-11, 13-22, Blk. 7; Hillsdale Estates and Lots 1-14, Blk. 1; Lots 1-15, 18-28, Blk. 2; Lots 2-9, 11-31, Blk. 3; Star Ridge Subdivision.
7. 070 The irrigation occurring under this domestic use shall not exceed 1/2 acre within each platted subdivision lot upon which a home has been constructed. This right does not provide for irrigation of common areas or for irrigation of lots upon which homes have not been constructed.
8. 071 The domestic use authorized under this right shall not exceed 13,000 gallons per day per home.
9. 01M 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.
10. 121 The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.

## Dates:

Proof Due Date: 04/01/2009

Proof Made Date:

Approved Date: 05/06/2004

Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Application Received Date: 01/29/2004

Protest Deadline Date: 04/19/2004

Number of Protests: 0

Field Exam Date::

Date Sent to State Off:

Date Received at State Off:

## Other Information:

State or Federal:

Owner Name Connector:

Water District Number:

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False



**ATTACHMENT B**

**PLACE OF USE**

<b>PLACE OF USE</b>		
<b>SUBDIVISON</b>	<b>BLOCK</b>	<b>LOT</b>
<b>Hillsdale Estates No. 2</b>	3	15
	3	16
	3	17
	3	18
	3	19
	3	20
	3	21
	3	22
	3	23
	3	26
	3	27
	3	28
	3	29
	3	30
	3	31
	4	20
	4	21
	4	22
	4	23
	4	24
	5	1
	5	2
	5	3
	5	4
	5	5
	5	6
<b>Hillsdale Estates No. 3</b>	3	33
	3	34
	3	35
	3	36
	3	37
	3	38
	3	39
	3	40
	3	41
	3	42
	3	43
	3	44
	3	45
	3	46
	3	47
	3	48
	3	49
	5	9
	5	10
	5	11
	5	12
	5	13
	5	14

PLACE OF USE		
SUBDIVISON	BLOCK	LOT
	5	15
	5	16
	5	17
	5	18
	5	19
	5	20
	5	21
	5	22
	5	23
	5	24
	5	25
	5	26
	6	1
	6	2
	7	1
	7	2
	7	3
	7	4
	7	5
	7	6
	7	8
	7	9
	7	10
	7	11
	7	13
	7	14
	7	15
	7	16
	7	17
	7	18
	7	19
	7	20
	7	21
	7	22
<b>Hillsdale Estates No. 4</b>	6	3
	6	4
	6	5
	6	6
	6	7
<b>Hillsdale Estates No. 5</b>	2	21
	2	22
	2	23
	2	24
	2	25
	2	26
	2	27
	3	51
	3	52
	3	53

PLACE OF USE		
SUBDIVISION	BLOCK	LOT
	3	54
	3	55
	3	56
	3	57
	3	58
	3	59
	3	60
	3	61
	3	62
	6	9
	6	10
	6	11
	6	12
	6	13
	6	14
	6	15
	6	16
	6	17
	6	18
	6	19
	6	20
	6	21
	6	22
	6	23
	6	24
	6	25
<b>Hillsdale Estates No. 6</b>	5	30
	5	31
	5	32
	5	33
	5	34
	5	35
	5	36
	5	37
	5	38
	5	39
	5	40
	5	41
	5	42
	5	43
	5	44
	5	45
	5	46
	5	47
	5	48
	5	49
	5	50
	5	51
	5	52

<b>PLACE OF USE</b>		
<b>SUBDIVISON</b>	<b>BLOCK</b>	<b>LOT</b>
	5	53
	5	54
	5	55
	5	56
	5	57
<b>Hillsdale Estates No. 7</b>	4	27
	4	29
	4	31
	4	32
	4	33
	4	34
	4	35
	4	36
	4	37
	4	38
	4	40
	4	41
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	5	65
	5	66
	5	67
	5	68
	5	69
	5	70
	5	71
	5	72
	5	73
	5	74
	5	75
	5	76
<b>Star Ridge Estates No. 1</b>	1	2
	1	4

PLACE OF USE		
SUBDIVISON	BLOCK	LOT
	1	5
	1	6
	1	7
	1	8
	1	9
	2	1
	2	2
	2	3
	2	4
	2	5
	2	6
	2	7
	2	8
	2	9
	2	10
	2	11
	2	12
	2	13
	2	14
	2	15
	3	2
	3	3
	3	4
	3	5
	3	6
	3	7
	3	8
	3	9
<b>Star Ridge Estates No. 2</b>	2	18
	2	19
	2	20
	2	21
	2	22
	2	23
	2	24
	2	25
	2	27
	2	28
	3	11
	3	12
	3	13
	3	14
	3	15
	3	16
	3	17
	3	18
	3	19
	3	20
	3	21

<b>PLACE OF USE</b>		
<b>SUBDIVISON</b>	<b>BLOCK</b>	<b>LOT</b>
	3	22
	3	23
	3	24
	3	25
	3	26
	3	27
	3	28
	3	29
	3	30
	3	31
	5	1
<b>Star Ridge Estates No. 3</b>	1	10
	1	11
	1	12
	1	13
	1	14
<b>Total Lots</b>		<b>261</b>



**ATTACHMENT C**  
**WELL LOGS & PUMP CURVES**

Form 2067  
1/94

pg. 1 of 2

# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Use Typewriter  
or  
Ball Point Pen

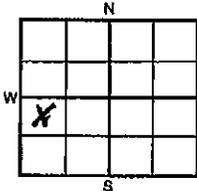
093051

1. DRILLING PERMIT NO. 63 - 94 - C - 893 - 8  
Other IDWR No. 63-12125

2. OWNER:  
Name WILLOWBROOK DEVELOPMENT  
Address 210 MURRAY STREET  
City BOISE State ID \_\_\_\_\_ Zip 83714

### 3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 05N North  or South   
Rge. 01W East  or West   
Sec. 28 SW 1/4 NW 1/4 1/4  
Gov't Lot \_\_\_\_\_ County AD 10 acres 40 acres 160 acres

Address of Well Site HWY 21 HILLSDALE ESTATES

City BOISE

(Give at least name of road + Distance to Road or Landmark)

Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name HILLSDALE ESTATES

### 4. PROPOSED USE: MUNICIPAL

- Domestic  Municipal  Monitor  Irrigation  
 Thermal  Injection  Other

### 5. TYPE OF WORK NEW WELL

- New Well  Modify or Repair  Replacement  Abandonment

### 6. DRILL METHOD REVERSE ROTARY

- Mud Rotary  Air Rotary  Cable  Other \_\_\_\_\_

### 7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	60	17500	MURED

Was drive shoe used? Y  N

Was drive shoe seal tested? Y  N  How? \_\_\_\_\_

### 8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16"	41	440	.250	STEEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16"	460	500	.250	STEEL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16"	530	615	.250	STEEL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe NONE Length of Tailpipe 5 FT

### 9. PERFORATIONS/SCREENS SCREENS

- Perforations Method \_\_\_\_\_  
 Screens Screen Type HOUSTON 304 STAINLESS STEEL

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
440	460	40	304	10"	STAINLESS	<input type="checkbox"/>	<input type="checkbox"/>
500	530	40	304	10"	STAINLESS	<input type="checkbox"/>	<input type="checkbox"/>
615	635	40	304	10"	STAINLESS	<input type="checkbox"/>	<input type="checkbox"/>

### 10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

178 ft. below ground Artesian pressure NONE lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: WELL CAP

### 11. WELL TESTS: PUMP

- Pump  Bailor  Air  Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1500	345	423	9 HRS

Water Temp. COLD Bottom hole temp. COLD

Water Quality test or comments: UNKNOWN

### 12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
28"	0	4	TOPSOIL			
	4	7	SAND			
	7	9	CLAY			
	9	15	SAND			
	15	25	CLAY			
	25	35	CLAY & SAND MIX			
	35	55	SAND			
	55	65	CLAY			
	65	75	CLAY & SAND MIX			
	75	80	SAND			
	80	85	FINE BRN SAND			
	85	90	CLAY & COURSE SAND MIX			
	90	95	CLAY			
	95	100	SAND			
	100	105	CLAY & COURSE SAND			
	105	115	CLAY			
	115	120	FINE BRN SAND & CLAY MIX			
	120	165	CLAY			
	165	190	SAND & CLAY MIX			
	190	205	CLAY			
	205	210	TAN & BLUE CLAY			
	210	212	BLUE & BRN CLAY			
	212	214	BLUE CLAY			
	214	215	SAND & BLUE CLAY MIX			
	215	225	SAND & BLUE CLAY			
	225	227	BLUE CLAY & SAND			
	227	233	SAND			
	233	240	BLUE CLAY & SAND			
	240	245	BLUE CLAY & SAND			
	245	250	BLUE CLAY			
	250	265	CLAY & SAND			
	265	270	SAND			
	270	280	SAND & CLAY			

Completed Depth 640 (Measurable)

Date: Started 9/26/94 Completed 10/3/94

### 13. DRILLER'S CERTIFICATION

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

Firm Name PETE COPE DRILLING Firm No. 213

Firm Official [Signature] Date 10-15-94

Supervisor or Operator [Signature] Date 10-15-94

(Sign once if Firm Official & Operator)

*pg. 287*

IDAHO DEPARTMENT OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

Use Typewriter  
or  
Ball Point Pen

093052

**1. DRILLING PERMIT NO.** 63-94C-0893-000  
Other IDWR No. 63-12125

**2. OWNER:**

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**3. LOCATION OF WELL by legal description:**

Sketch map location must agree with written location.

N		Twp. <u>5</u> North <input checked="" type="checkbox"/> or South <input type="checkbox"/>	
W		Rge. <u>1</u> East <input type="checkbox"/> or West <input checked="" type="checkbox"/>	
E		Sec. <u>28</u> 1/4 <u>SW</u> 1/4 <u>NE</u> 1/4	
S		Gov't Lot _____ County <u>ADA</u>	

Address of Well Site \_\_\_\_\_  
City \_\_\_\_\_

(Give at least name of road + Distance to Road or Landmark)

Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name \_\_\_\_\_

**4. PROPOSED USE:**

- Domestic  Municipal  Monitor  Irrigation  
 Thermal  Injection  Other \_\_\_\_\_

**5. TYPE OF WORK**

- New Well  Modify or Repair  Replacement  Abandonment

**6. DRILL METHOD**

- Mud Rotary  Air Rotary  Cable  Other \_\_\_\_\_

**7. SEALING PROCEDURES**

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used?  Y  N   
Was drive shoe seal tested?  Y  N  How? \_\_\_\_\_

**8. CASING/LINER:**

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_

**9. PERFORATIONS/SCREENS**

- Perforations Method \_\_\_\_\_  
 Screens Screen Type \_\_\_\_\_

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

**10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:**

\_\_\_\_\_ ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: \_\_\_\_\_

**11. WELL TESTS:**

- Pump  Bailer  Air  Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. \_\_\_\_\_ Bottom hole temp. \_\_\_\_\_

Water Quality test or comments: \_\_\_\_\_

**12. LITHOLOGIC LOG: (Describe repairs or abandonment)**

Bore Dia.	From	To	Remarks: Lithology; Water Quality & Temperature	Water	
				Y	N
	280	310	SAND & CLAY		
	310	405	BLUE CLAY		
	405	410	BLUE & BRN CLAY		
	410	440	BLUE CLAY		
	440	442	SANDY BLUE CLAY		
	442	455	SAND, PEA GRAVEL	X	
	455	459	SAND	X	
	459	460	CLAY		
	460	465	SAND	X	
	465	468	BLUE CLAY		
	468	470	SAND & BLUE CLAY		
	470	505	BLUE CLAY		
	505	508	SANDY CLAY & SAND		X
	508	511	CRS SAND BLUE & BRN CLAY MIX		
	511	520	SANDY BLUE CLAY		
	520	525	SAND		X
	525	530	BLUE CLAY & SAND		
	530	539	BLUE CLAY		
	539	542	SAND	X	
	542	559	BLUE CLAY SOME BRN & BLUE CLAY		
	559	562	SAND	X	
	562	602	BLUE CLAY SOME BRN & BLUE CLAY		
	602	620	SAND & BLUE CLAY		
	620	634	SAND		X
	634	635	SANDY CLAY		
	635	640	GREY CLAY		

RECEIVED

OCT 18 1994

WATER RESOURCES DIVISION

Completed Depth \_\_\_\_\_ (Measurable)  
Date: Started \_\_\_\_\_ Completed \_\_\_\_\_

**13. DRILLER'S CERTIFICATION**

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

Firm Name \_\_\_\_\_ Firm No. \_\_\_\_\_

Firm Official Jim Galt Date 10-15-94  
and

Supervisor or Operator George Reed Date 10-15-94  
(Sign once if Firm Official & Operator)

TO: P. THOL  
P. 28  
GOULDS PUMPS INC.  
DARRELL HOEFER

755

Well #1 1551

SEP-29-1999 01:50  
Goulds Turbine Pump Selection ver. 8.00a  
02/24/99

PUMP DATA SHEET  
Goulds Turbine 60 Hz

Curve: E8209CFPCO

Design Point: Flow: 700 US gpm  
Head: 888 ft

Pump: TURBINE - 3600  
Speed: 3450 rpm  
Blade: 6RCLC; (5 stages)  
Dia: 6.38 in

Limits: Temperature: -- °F  
Pressure: 400 psig  
Sphere size: 0.58 in  
Power: -- bhp

Specific Speed: No: 2290  
No: --

Dimensions: Suction: 6 in  
Discharge: 5 in

Vertical Turbine: Bowl Dia: 9.25 in  
Max Lateral: 0.88 in  
Thrust K Factor: 4.9

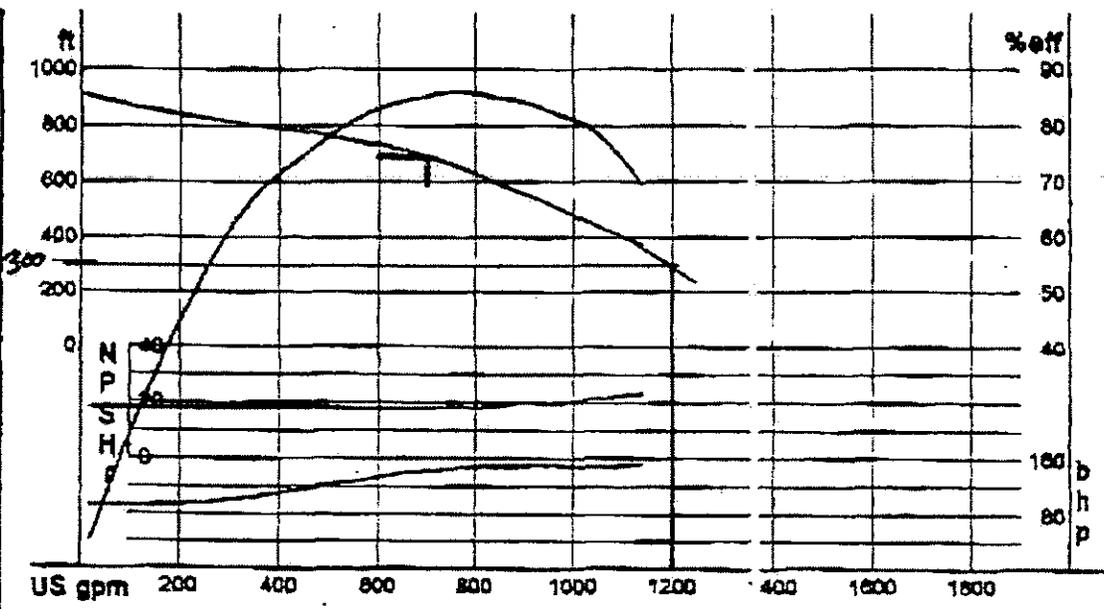
Motor: 288 hp  
Speed: 3600  
Frame: 447TS  
NEMA Standard  
TEFC Enclosure  
sized for Max Power on Design Curve

Fluid: Water  
Temperature: 60 °F  
SG: 1  
Viscosity: 1.122 cP  
Vapor pressure: 0.2588 psia  
Atm pressure: 14.7 psia  
NPSHa: -- ft  
Piping: System: --  
Suction: -- in  
Discharge: -- in

100 HP set @ Hillsdale #1 domestic well  
1200 gpm @ 300'

6" and 8" Disch dia also avail.

--- Data Point ---  
Flow: 700 US gpm  
Head: 890 ft  
Eff: 85.3%  
Power: 143 bhp  
NPSHr: 18 ft  
--- Design Curve ---  
Shutoff Head: 914 ft  
Pressure: 398 psig  
Min Flow: - US gpm  
BEP: 86% eff  
@ 750 US gpm  
NOL Pwr: 153 bhp  
@ 1138 US gpm  
--- Max Curve ---  
Max Pwr: 198 bhp  
@ 1204 US gpm



--- PERFORMANCE EVALUATION --- 1200 Gpm

Flow US gpm	Speed rpm	Head ft	Pump %eff	Power bhp	NPSHr ft	Motor %eff	Motor hp	Hrs/yr	Cost /kW
840	3450	800	85.1	148	18.0				
700	3450	880	85.3	143	18				
560	3450	744	81.5	128	18				
420	3450	785	72.7	114	18				
280	3450	820	58.9	100	18				

well #1

63-12125

ATTN: ROY

WELL DRILLER'S REPORT

NOV 01 1994

Roll Point Pen

pg 1-802

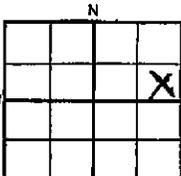
55384

1. DRILLING PERMIT NO. 63 - 94 - C - 894 - 0

2. OWNER: Name WILLOWBROOK DEVELOPMENT INC

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 05N North or South Rge. 01W East or West

Address of Well Site HWY 21 HILLSDALE ESTATES City BOISE

4. PROPOSED USE: MUNICIPAL

5. TYPE OF WORK NEW WELL

6. DRILL METHOD REVERSE ROTARY

7. SEALING PROCEDURES

Table with columns: SEAL/FILTER PACK, AMOUNT, METHOD. Row 1: BENTONITE, 0 to 60, 100000, POURED.

Was drive shoe used? Y N X Was drive shoe seal tested? Y N X How?

8. CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Material, Casing, Liner, Welded, Threaded.

Length of Headpipe REDUCER Length of Tailpipe 13 FT

9. PERFORATIONS/SCREENS SCREENS

Perforations Method Screens Screen Type 304 STAINLESS STEEL

Table with columns: From, To, Slot Size, Number, Diameter, Material, Casing, Liner.

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

ft. below ground Artesian pressure lb. Depth flow encountered ft. Describe access port or control devices:

11. WELL TESTS: PUMP

Table with columns: Yield gal./min., Drawdown, Pumping Level, Time. Row 1: 1800, 115, 302, 8 HRS.

Water Temp. COLD Bottom hole temp. COLD Water Quality test or comments: UNKNOWN

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Large table with columns: Bore Dia., From, To, Remarks: Lithology, Water Quality & Temperature, Y, N. Contains detailed log entries from 0 to 592 feet.

13. DRILLER'S CERTIFICATION

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

Firm Name PETE COPE DRILLING Firm No. 213

Firm Official [Signature] Date 10-27-94

Supervisor of Operator [Signature] Date 10-27-94

(Sign once if Firm Official & Operator)





WELL 2

8M-700

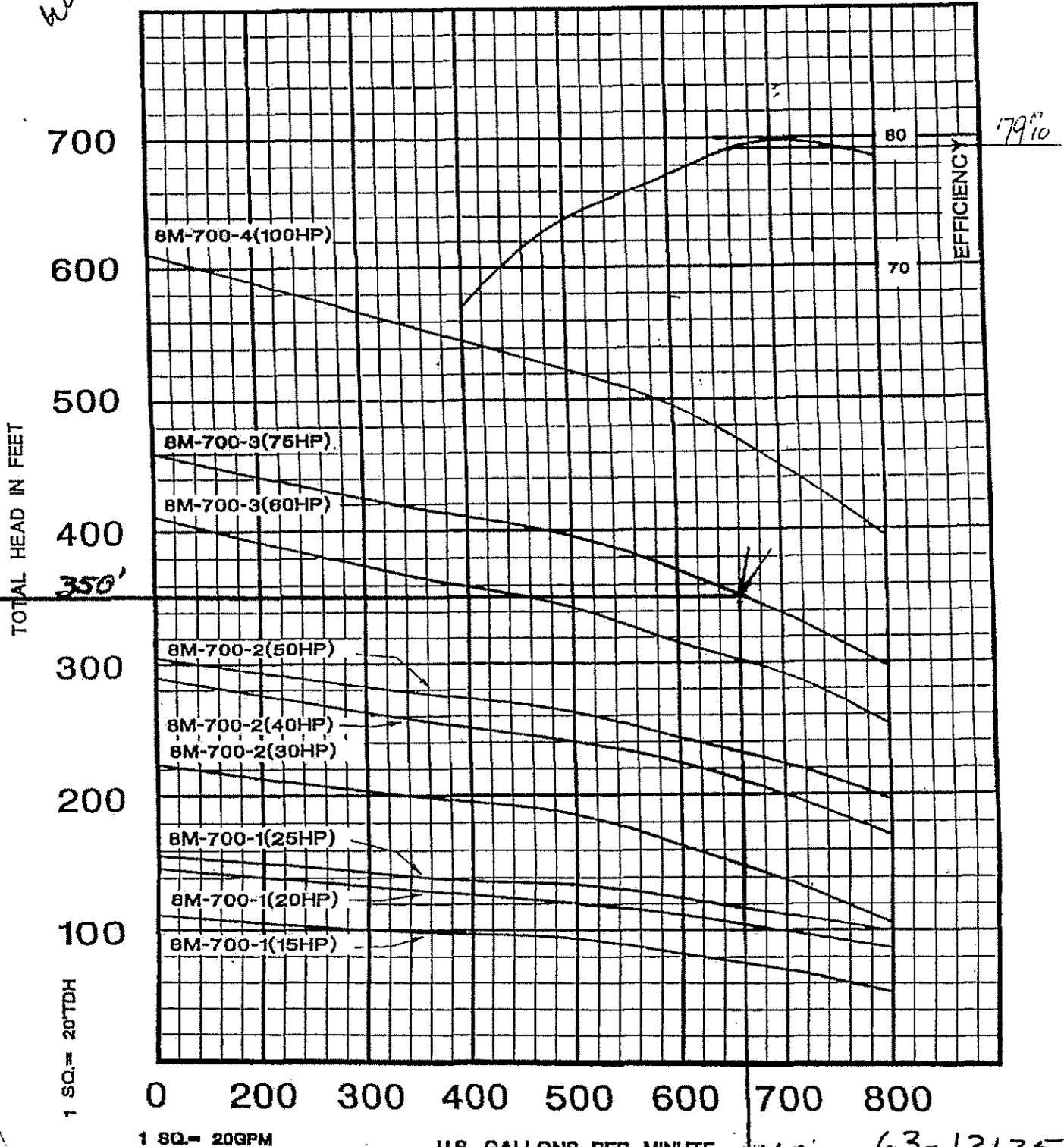
75 HP  
well #2

# MODEL 8M-700 PERFORMANCE CHARACTERISTICS

#2

MINIMUM WELL SIZE 10'

Well #2



1 SQ. = 20' TDH

1 SQ. = 20GPM

U.S. GALLONS PER MINUTE

660 GPM 63-12125



CROWN PUMP CORPORATION, HIGHWAY 16 & BIVAR, DE LEON, TEXAS

(68)

IDAHO DEPARTMENT OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

Office Use Only  
Well ID No. 816215  
Inspected by \_\_\_\_\_  
Twp \_\_\_\_\_ Rge \_\_\_\_\_ Sec \_\_\_\_\_  
1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_  
Lat: : : Long: : :

1. WELL TAG NO. D 0031452  
DRILLING PERMIT NO. 883061-816215  
Water Right or Injection Well No. 63-21862

2. OWNER:  
Name Hillside Estates Homeowners Assn. Inc.  
Address 210 Murray St.  
City Garden City State Id. Zip 83714

3. LOCATION OF WELL by legal description:  
You must provide address or Lot, Blk, Sub. or Directions to well.  
Twp. 5 North  or South   
Rge. 2 East  or West   
Sec. 25 1/4 SE 1/4 SW 1/4  
Gov't Lot \_\_\_\_\_ County Canyon  
Lat: : : Long: : :  
Address of Well Site Cascade Rd. N. to Purple Sign at top of  
City Star

(Give at least name of road + Distance to Road or Landmark)  
Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name \_\_\_\_\_

4. USE:  
 Domestic  Municipal  Monitor  Irrigation  
 Thermal  Injection  Other Domestic

5. TYPE OF WORK check all that apply (Replacement etc.)  
 New Well  Modify  Abandonment  Other \_\_\_\_\_

6. DRILL METHOD:  
 Air Rotary  Cable  Mud Rotary  Other Reverse

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite 3/4"</u>	<u>0</u>	<u>550'</u>	<u>31.25/yds</u>	<u>Dry Pour</u>

Was drive shoe used?  Y  N Shoe Depth(s) \_\_\_\_\_  
Was drive shoe seal tested?  Y  N How? \_\_\_\_\_

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>16"</u>	<u>+2</u>	<u>398'</u>	<u>315</u>	<u>Steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>12"</u>	<u>398'</u>	<u>525'</u>	<u>315</u>	<u>Steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_  
Packer  Y  N Type \_\_\_\_\_

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method \_\_\_\_\_  
Screen Type & Method of Installation Tobasan wheel-beater

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>525</u>	<u>655'</u>	<u>.030</u>		<u>10"</u>	<u>SS</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>CSA 20-29</u>	<u>550'</u>	<u>625'</u>	<u>6.63/yds</u>	<u>Dry Pour</u>

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:  
138 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices:  
1 1/2" Pipe on side

12. WELL TESTS:

Pump  Bailer  Air  Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>2400 @ 1M</u>	<u>100'</u>	<u>238'</u>	<u>8 hrs</u>

Water Temp. \_\_\_\_\_ Bottom hole temp. \_\_\_\_\_  
Water Quality test or comments: \_\_\_\_\_  
Depth first Water Encounter \_\_\_\_\_

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>26"</u>	<u>0</u>	<u>7'</u>	<u>Sandy Top Soil</u>			
	<u>7'</u>	<u>10'</u>	<u>Dark Brn Clay</u>			
	<u>10'</u>	<u>15'</u>	<u>med to coarse Sand</u>			
	<u>15'</u>	<u>35'</u>	<u>Decomposed Granite</u>			
	<u>35'</u>	<u>199'</u>	<u>Brn Clay &amp; Sand layers</u>			
	<u>122'</u>	<u>202'</u>	<u>Brn Clay</u>			
	<u>202'</u>	<u>210'</u>	<u>Brn Sand.</u>			
	<u>210'</u>	<u>230'</u>	<u>Brn Clay</u>			
	<u>250'</u>	<u>380'</u>	<u>Brn Clay &amp; Sand layers</u>			
	<u>380'</u>	<u>410'</u>	<u>Grey Clay &amp; Sand.</u>			
	<u>410'</u>	<u>414'</u>	<u>Blue Clay</u>			
	<u>22"</u>	<u>414'</u>	<u>Blue Clay &amp; Sand layers</u>			
	<u>660'</u>	<u>660'</u>	<u>Fine to Med Sand</u>			
	<u>7</u>	<u>660'</u>	<u>Grey Clay</u>			

RECEIVED

AUG 04 2004

WATER RESOURCES  
WESTERN REGION

RECEIVED

AUG 12 2004

WATER RESOURCES  
WESTERN REGION

Completed Depth 655' (Measurable)  
Date: Started 6-21-04 Completed 7-20-04

14. DRILLER'S CERTIFICATION

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

Company Name Riverside Inc. Firm No. 333

Principal Driller Alex Chashin Date \_\_\_\_\_

and Driller or Operator II [Signature] Date 7-27-04

Operator I \_\_\_\_\_ Date \_\_\_\_\_

Principal Driller and Rig Operator Required.  
Operator I must have signature of Driller/Operator II.

# Riverside Inc.

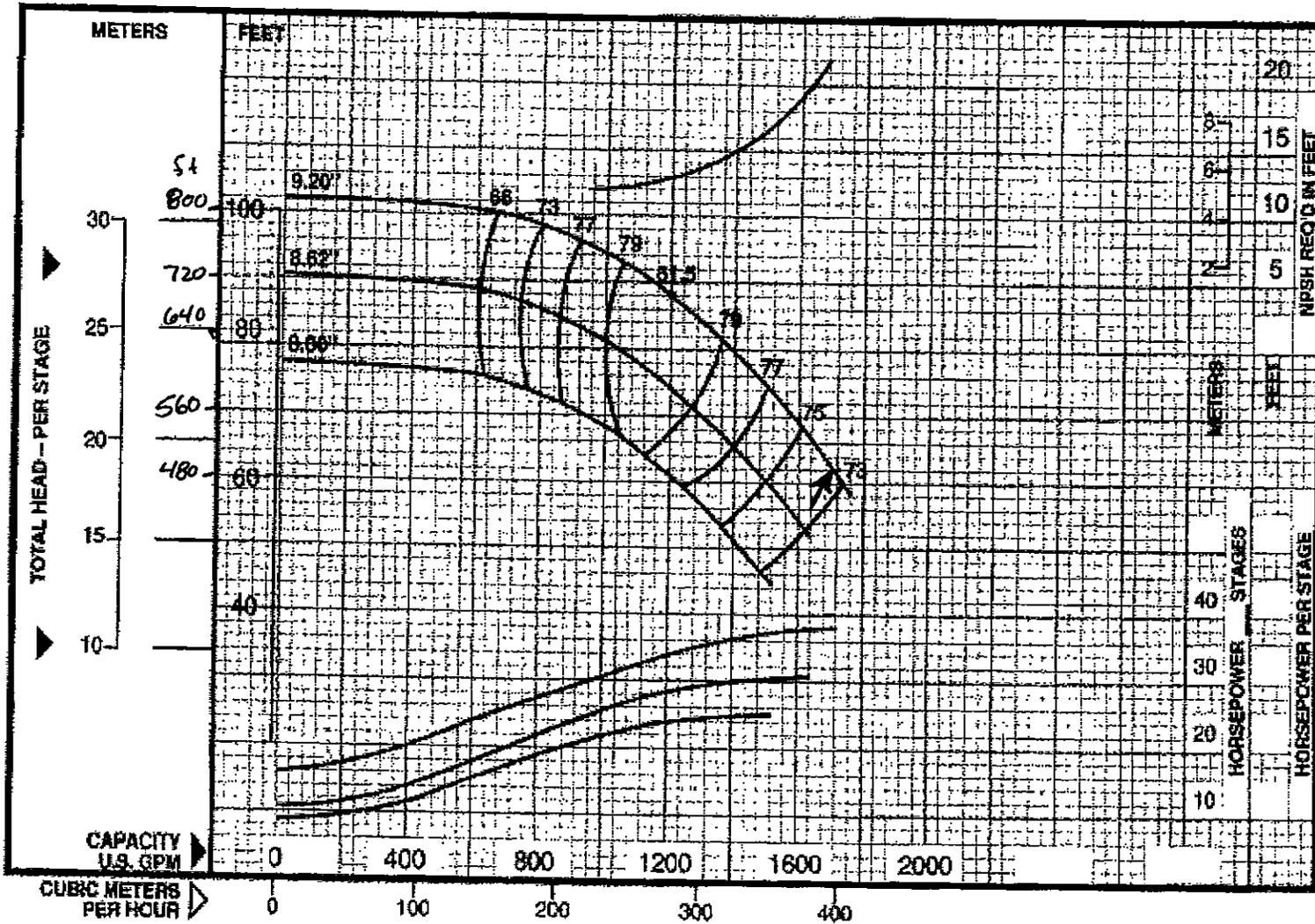


P.O. Box 720 Parma, Idaho 83660  
Office 208-722-6731 Fax 208-722-6736  
Email [riverside@rsicorp.net](mailto:riverside@rsicorp.net)

Lori  
Willowbrook pump data  
Pump is a Gould 13 chc 8 stage pump  
1300 gpm 600 tdh 250 hp on 8" column set at 350'

Steve Smith

1700 gpm @ 496'



Curve No. 3135

Model: 13CHC

RPM: 1770

EFFICIENCY CORRECTION	
STGS. 1	-3.0
STGS. 2	-1.0
STGS. 3	
STGS. 4	

Impeller-Closed

$N_B =$

$K = 9.50 \text{ LBS./FT.}$   
 $13.14 \text{ KG./M.}$

$K \text{ (Bal.)} =$



Characteristics based upon pumping clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

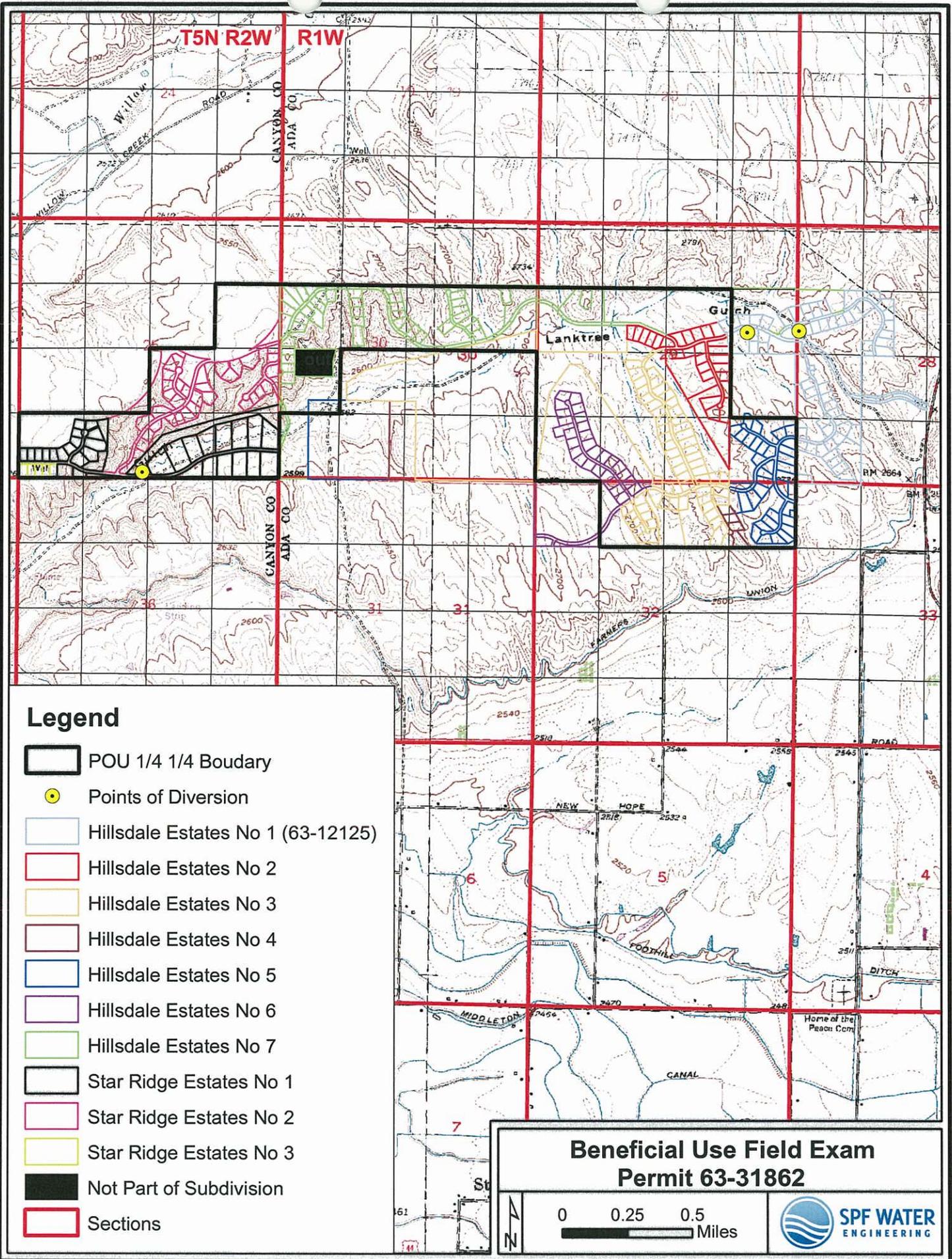
MODEL  
**13CHC**

DATE  
June 8, 1993

WELL 3



**ATTACHMENT D**  
**TOPO MAP AND 2006 AERIAL PHOTO**

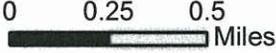


**Legend**

-  POU 1/4 1/4 Boudary
-  Points of Diversion
-  Hillsdale Estates No 1 (63-12125)
-  Hillsdale Estates No 2
-  Hillsdale Estates No 3
-  Hillsdale Estates No 4
-  Hillsdale Estates No 5
-  Hillsdale Estates No 6
-  Hillsdale Estates No 7
-  Star Ridge Estates No 1
-  Star Ridge Estates No 2
-  Star Ridge Estates No 3
-  Not Part of Subdivision
-  Sections

**Beneficial Use Field Exam  
Permit 63-31862**







2006 Photo

T5N R2W R1W

23

24

19

20

21

26

25

30

29

28

35

36

31

32

33

6

5

4

7

### Legend

-  POU 1/4 1/4 Boundary
-  Points of Diversion
-  Hillsdale Estates No 1 (63-12125)
-  Hillsdale Estates No 2
-  Hillsdale Estates No 3
-  Hillsdale Estates No 4
-  Hillsdale Estates No 5
-  Hillsdale Estates No 6
-  Hillsdale Estates No 7
-  Star Ridge Estates No 1
-  Star Ridge Estates No 2
-  Star Ridge Estates No 3
-  Not Part of Subdivision
-  Sections

### Beneficial Use Field Exam Permit 63-31862



0 0.25 0.5  
Miles





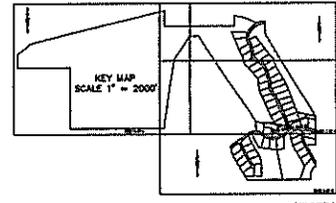
**ATTACHMENT E**  
**DISTRIBUTION SYSTEM DIAGRAM**



**ATTACHMENT F**  
**PLAT MAPS**

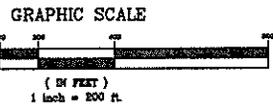


1/16 CORNER SECTION 29, T.24N., R.1W., B.M. ADA COUNTY, IDAHO, C&G# NO. 93001284  
 MATCH POINT-1  
 N 0°52'58" E 118.14'  
 N 0°52'58" E 487.34'



# HILLSDALE ESTATES NO. 3

PORTIONS OF SECTIONS 29, 30, AND 32, T. 5N., R. 1W., B.M ADA COUNTY, IDAHO.  
 INCLUDING A RESUBDIVISION OF LOT 7, BLOCK 5 OF HILLSDALE ESTATE NO. 2  
 A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION



EAST 1/4 CORNER SECTION 29, T.24N., R.1W., B.M. ADA COUNTY, IDAHO, C&G# NO. 93001284  
 FOUND BRASS CAP

WEST 1/4 CORNER SECTION 29, T.24N., R.1W., B.M. ADA COUNTY, IDAHO, C&G# NO. 93001287  
 FOUND BRASS CAP  
 POINT OF BEGINNING  
 N 89°55'11" E 1816.05'

HILLSDALE ESTATES SUB. NO.1  
 HILLSDALE ESTATES SUB. NO.2

BASIS OF BEARING  
 SECTION 29 EAST 1/4 CORNER TO SECTION 30 WEST 1/4 CORNER IS N 89°55'11" W 8226.36'

LINE	LENGTH	BEARING
L1	30.00	S 89°55'11" W
L2	30.00	S 89°55'11" W
L3	28.87	N 89°55'11" E
L4	28.88	N 89°55'11" E
L5	28.84	N 89°55'11" E
L6	187.48	N 89°55'11" W
L7	324.71	N 89°55'11" W
L8	123.47	N 89°55'11" W
L9	284.42	N 89°55'11" W
L10	307.14	N 89°55'11" W
L11	18.65	N 89°55'11" W
L12	59.57	N 89°55'11" W

- LEGEND**
- REAR OF LOT
  - BOUNDARY LINE
  - LOT OR RIGHT OF WAY LINE
  - CENTER LINE
  - UTILITY EASEMENT
  - MATCH LINE
  - TIE LINE
  - 1/2"x24" PIN SET WITH PLASTIC CAP
  - 5/8"x30" PIN SET WITH PLASTIC CAP
  - ◆ LAND CORNER
  - 24 LOT NUMBER
  - ⊙ BLOCK NUMBER

**OPEN SPACE**  
 THE LOTS AND AREAS DESCRIBED BELOW ARE DEED RESTRICTED LOTS AND MAY ONLY BE USED FOR OPEN SPACE AS DEFINED IN THE NONFARM DEVELOPMENT SECTION OF THE ADA COUNTY CODE, SECTION 8-48-7 AND IN THE PLANNED DEVELOPMENT PROVISIONS OF THE ADA COUNTY CODE FOUND IN TITLE 8, CHAPTER 8. THE DEED RESTRICTED LOTS MUST ALSO ONLY BE USED IN THE MANNER SPECIFIED IN THE CONDITIONS OF APPROVAL ISSUED BY ADA COUNTY'S DEPARTMENT OF DEVELOPMENT SERVICES. THESE LOTS MUST BE USED IN THE AFORESAID MANNER FOR A PERIOD OF NOT LESS THAN 15 YEARS FROM THE RECORDING DATE OF THIS PLAN.

**LOT 33, BLOCK 3, AND LOT 8, BLOCK 5, AND LOTS 7 AND 12, BLOCK 7**  
 ARE DEED RESTRICTED OPEN SPACE LOTS. IRRIGATION, FARMING OR OTHER PURPOSES CONSISTENT WITH THE ABOVE RESTRICTIONS OF ADA COUNTY. NO STRUCTURES SHALL BE BUILT THEREON EXCEPT AS NECESSARY FOR WELL HOUSES FOR THE PERIOD DESCRIBED ABOVE. THESE LOTS SHALL BE OWNED AND MAINTAINED BY OTHERS.

**IRRIGATION RIGHTS**  
 THIS SUBDIVISION IS NOT IN ANY IRRIGATION DISTRICT. THE DEVELOPER HAS MADE NO PROVISION TO SUPPLY SEPARATE IRRIGATION WATER TO THE INDIVIDUAL LOTS. THE DEVELOPER WILL COMPLY WITH IRRIGATION CODE 31-3000. IRRIGATION WATER FOR EACH LOT WILL BE FROM THE DOMESTIC WATER SYSTEM.

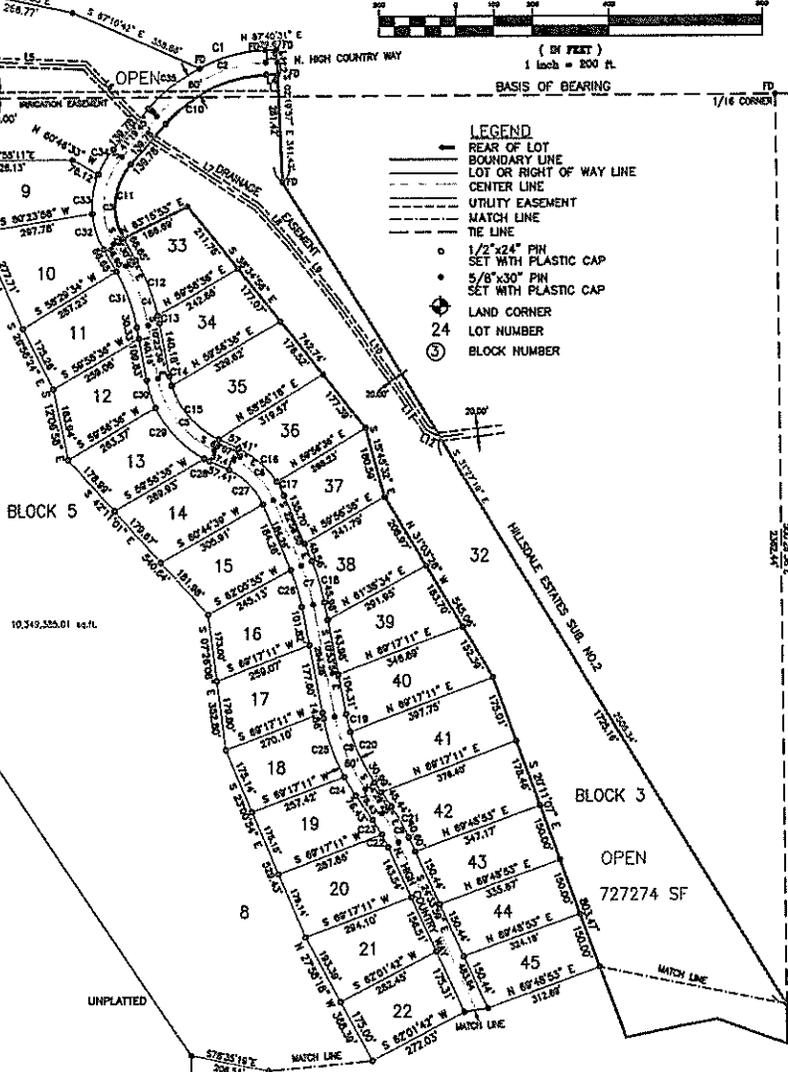
**RESTRICTIVE COVENANTS**  
 BUILDING AND OCCUPANCY SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE RESTRICTIVE COVENANTS AS FILED IN THE RECORDS OF THE ADA COUNTY RECORDER.

**BUILDING SETBACKS**  
 BUILDING SETBACKS IN THIS SUBDIVISION SHALL BE IN COMPLIANCE WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

**EASEMENTS**  
 ALL LOTS EXCEPT LOT 33, BLOCK 3, LOT 8, BLOCK 5 AND LOTS 7 AND 12, BLOCK 7, HAVE A 12' WIDE EASEMENT CONTIGUOUS TO ALL FRONT AND REAR LOT LINES FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. SIDE LOT LINES SHALL HAVE A 12' WIDE EASEMENT CENTERED ON THE LOT LINES FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. ALL OTHER EASEMENTS ARE AS SHOWN.

**RE-SUBDIVISION**  
 ANY RE-SUBDIVISION OF THIS PLAN SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION. NO RE-SUBDIVISION OF THE COMMON AREA OWNED BY THE OWNERS ASSOCIATION SHALL BE ALLOWED.

**BUILDING CODE**  
 THIS SUBDIVISION IS SUBJECT TO THE REQUIREMENTS OF CHAPTER 30 AND APPENDIX CHAPTER 33 OF THE UNIFORM BUILDING CODE.



CURVE	POINTS	LENGTH	BEARING	CHORD	CHORD BEARING	AREA
C1	200.00	173.09	171.28	114.81	267.2474	2331.748
C2	200.00	173.09	171.28	114.81	267.2474	2331.748
C3	200.00	173.09	171.28	114.81	267.2474	2331.748
C4	200.00	173.09	171.28	114.81	267.2474	2331.748
C5	200.00	173.09	171.28	114.81	267.2474	2331.748
C6	200.00	173.09	171.28	114.81	267.2474	2331.748
C7	200.00	173.09	171.28	114.81	267.2474	2331.748
C8	200.00	173.09	171.28	114.81	267.2474	2331.748
C9	200.00	173.09	171.28	114.81	267.2474	2331.748
C10	200.00	173.09	171.28	114.81	267.2474	2331.748
C11	200.00	173.09	171.28	114.81	267.2474	2331.748
C12	200.00	173.09	171.28	114.81	267.2474	2331.748
C13	200.00	173.09	171.28	114.81	267.2474	2331.748
C14	200.00	173.09	171.28	114.81	267.2474	2331.748
C15	200.00	173.09	171.28	114.81	267.2474	2331.748
C16	200.00	173.09	171.28	114.81	267.2474	2331.748
C17	200.00	173.09	171.28	114.81	267.2474	2331.748
C18	200.00	173.09	171.28	114.81	267.2474	2331.748
C19	200.00	173.09	171.28	114.81	267.2474	2331.748
C20	200.00	173.09	171.28	114.81	267.2474	2331.748
C21	200.00	173.09	171.28	114.81	267.2474	2331.748
C22	200.00	173.09	171.28	114.81	267.2474	2331.748
C23	200.00	173.09	171.28	114.81	267.2474	2331.748
C24	200.00	173.09	171.28	114.81	267.2474	2331.748
C25	200.00	173.09	171.28	114.81	267.2474	2331.748
C26	200.00	173.09	171.28	114.81	267.2474	2331.748
C27	200.00	173.09	171.28	114.81	267.2474	2331.748
C28	200.00	173.09	171.28	114.81	267.2474	2331.748
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C30	200.00	173.09	171.28	114.81	267.2474	2331.748
C31	200.00	173.09	171.28	114.81	267.2474	2331.748
C32	200.00	173.09	171.28	114.81	267.2474	2331.748
C33	200.00	173.09	171.28	114.81	267.2474	2331.748
C34	200.00	173.09	171.28	114.81	267.2474	2331.748
C35	200.00	173.09	171.28	114.81	267.2474	2331.748



SOUTHWEST CORNER SECTION 29, T.24N., R.1W., B.M. ADA COUNTY, IDAHO, C&G# NO. 9302443  
 MATCH POINT-2  
 S 89°52'21" W 2631.02'

S 89°52'21" W 2631.02'  
 S 89°52'21" W 2631.02'  
 SHEET 1 OF 4



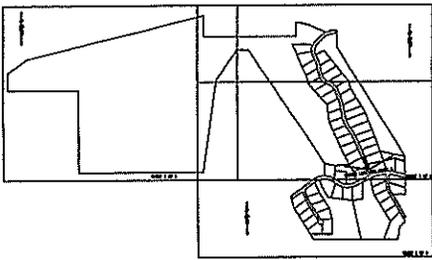
# HILLSDALE ESTATES NO. 3

PORTIONS OF SECTIONS 29, 30, AND 32, T. 5N., R. 1W., B.M. ADA COUNTY, IDAHO.

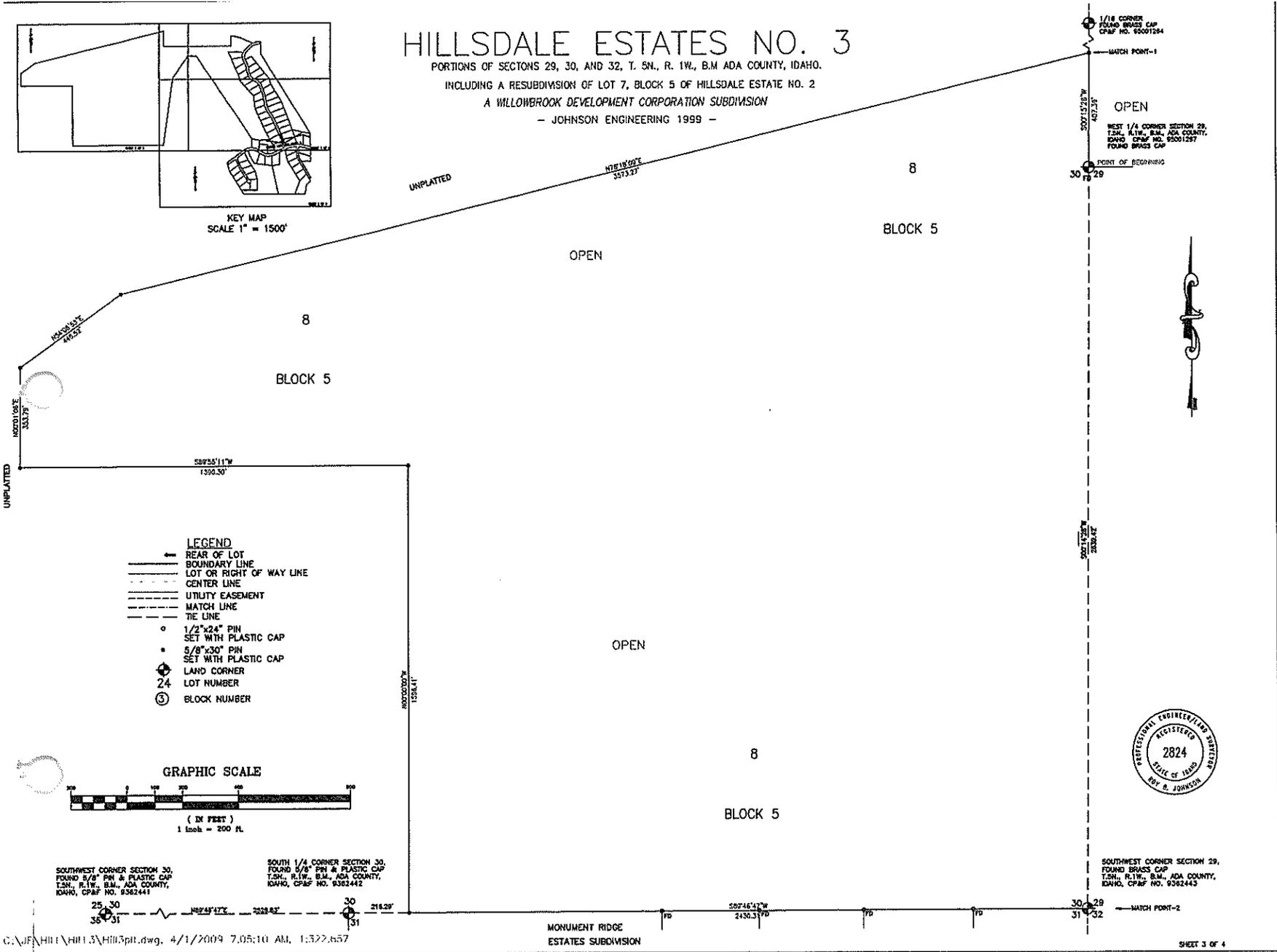
INCLUDING A RESUBDIVISION OF LOT 7, BLOCK 5 OF HILLSDALE ESTATE NO. 2

A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION

- JOHNSON ENGINEERING 1999 -



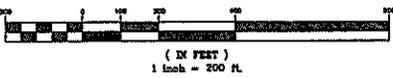
KEY MAP  
SCALE 1" = 1500'



### LEGEND

- ← REAR OF LOT
- BOUNDARY LINE
- LOT OR RIGHT OF WAY LINE
- CENTER LINE
- UTILITY EASEMENT
- MATCH LINE
- TIE LINE
- 1/2"x24" PIN SET WITH PLASTIC CAP
- 5/8"x30" PIN SET WITH PLASTIC CAP
- ⊕ LAND CORNER
- 24 LOT NUMBER
- ⑤ BLOCK NUMBER

### GRAPHIC SCALE



SOUTHWEST CORNER SECTION 30,  
FOUND 5/8" PIN & PLASTIC CAP  
T.5N., R.1W., B.M., ADA COUNTY,  
IDHO, C&P NO. 9362441

SOUTH 1/4 CORNER SECTION 30,  
FOUND 5/8" PIN & PLASTIC CAP  
T.5N., R.1W., B.M., ADA COUNTY,  
IDHO, C&P NO. 9362442

SOUTHWEST CORNER SECTION 29,  
FOUND BRASS CAP  
T.5N., R.1W., B.M., ADA COUNTY,  
IDHO, C&P NO. 9362443







**OPEN SPACE**

THE LOTS AND AREAS DESCRIBED BELOW ARE DEED RESTRICTED LOTS AND MAY ONLY BE USED FOR OPEN SPACE AS DEFINED IN THE HIGHLAND DEVELOPMENT SECTION OF THE ADA COUNTY CODE, SECTION 8-48-7 AND IN THE PLANNED DEVELOPMENT PROVISIONS OF THE ADA COUNTY CODE FOUND IN TITLE 8, CHAPTER 8. THE DEED RESTRICTED LOTS MUST ALSO ONLY BE USED IN THE MANNER SPECIFIED IN THE CONDITIONS OF APPROVAL ISSUED BY ADA COUNTY'S DEPARTMENT OF DEVELOPMENT SERVICES. THESE LOTS MUST BE USED IN THE AFORESAID MANNER FOR A PERIOD OF NOT LESS THAN 15 YEARS FROM THE RECORDING DATE OF THIS PLAT.

LOTS 29 AND 28, BLOCK 5, AND LOT 23, BLOCK 7 ARE DEED RESTRICTED OPEN SPACE LOTS FOR IRRIGATION, FARMING OR OTHER PURPOSES CONSISTANT WITH THE ABOVE REQUIREMENTS OF ADA COUNTY. NO STRUCTURES SHALL BE BUILT THEREON EXCEPT AS NECESSARY FOR WELL HOUSES, FOR THE PERIOD DESCRIBED ABOVE THESE LOTS SHALL BE OWNED AND MAINTAINED BY OWNERS.

**IRRIGATION RIGHTS**

THIS SUBDIVISION IS NOT IN ANY IRRIGATION DISTRICT. THE DEVELOPER HAS MADE NO PROVISION TO SUPPLY SEPARATE IRRIGATION WATER TO THE REVENUE LOTS. THE DEVELOPER WILL COMPLY WITH IDAHO CODE 31-3805. IRRIGATION WATER FOR EACH LOT WILL BE FROM THE DOMESTIC WATER SYSTEM.

**RESTRICTIVE COVENANTS**

BUILDING AND OCCUPANCY SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE RESTRICTIVE COVENANTS AS FILED IN THE RECORDS OF THE ADA COUNTY RECORDER.

**BUILDING SETBACKS**

BUILDING SETBACKS AND DIMENSIONAL STANDARDS IN THIS SUBDIVISION SHALL BE IN COMPLIANCE WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

**EASEMENTS**

ALL LOTS EXCEPT LOTS 29 AND 28, BLOCK 5 AND LOT 23, BLOCK 7 HAVE A 12' WIDE EASEMENT CONTIGUOUS TO ALL FRONT AND REAR LOT LINES AND SHALL HAVE A 12' EASEMENT CENTERED ON THE LOT LINES FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. LOTS 29 AND 28, BLOCK 5 AND LOT 23, BLOCK 7 SHALL HAVE A 12' WIDE EASEMENT ADJACENT TO ALL STREET FRONTAGE FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. ALL OTHER EASEMENTS ARE AS SHOWN. OTHER ADA COUNTY HIGHWAY DISTRICT DRAINAGE EASEMENTS ARE AS SHOWN ON THE PLAN. THESE ADA COUNTY HIGHWAY DISTRICT EASEMENTS SHALL REMAIN FREE OF ALL ENCROACHMENTS AND OBSTRUCTIONS (INCLUDING TREES) WHICH MAY ADVERSELY AFFECT DRAINAGE OR OF THE FACILITY.

**RE-SUBDIVISION**

ANY RE-SUBDIVISION OF THIS PLAT SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION. NO RE-SUBDIVISION OF THE COMMON AREA OWNED BY THE OWNERS ASSOCIATION SHALL BE ALLOWED.

**BUILDING CODE**

THIS SUBDIVISION IS SUBJECT TO THE REQUIREMENTS OF CHAPTER 29 AND APPENDIX CHAPTER 33 OF THE UNIFORM BUILDING CODE.

**AGRICULTURAL OPERATION**

THIS DEVELOPMENT RECOGNIZES SECTION 22-4503 OF THE IDAHO CODE, RIGHT TO FARM ACT, WHICH STATES, "NO AGRICULTURAL OPERATION OR AN APPEARANCE TO IT SHALL BE OR BECOME A NUISANCE, PRIVATE OR PUBLIC, BY ANY CHANGED CONDITIONS IN OR ABOUT THE SURROUNDING NONAGRICULTURAL ACTIVITIES AFTER THE SAME HAS BEEN IN OPERATION FOR MORE THAN ONE (1) YEAR, WHEN THE OPERATION WAS NOT A NUISANCE AT THE TIME THE OPERATION BEGAN, PROVIDED, THAT THE PROVISIONS OF THIS SECTION SHALL NOT APPLY WHENEVER A NUISANCE RESULTS FROM THE IMPROPER OR NEGLIGENT OPERATION OF ANY AGRICULTURAL OPERATION OR AN APPEARANCE TO IT."

**LEGEND**

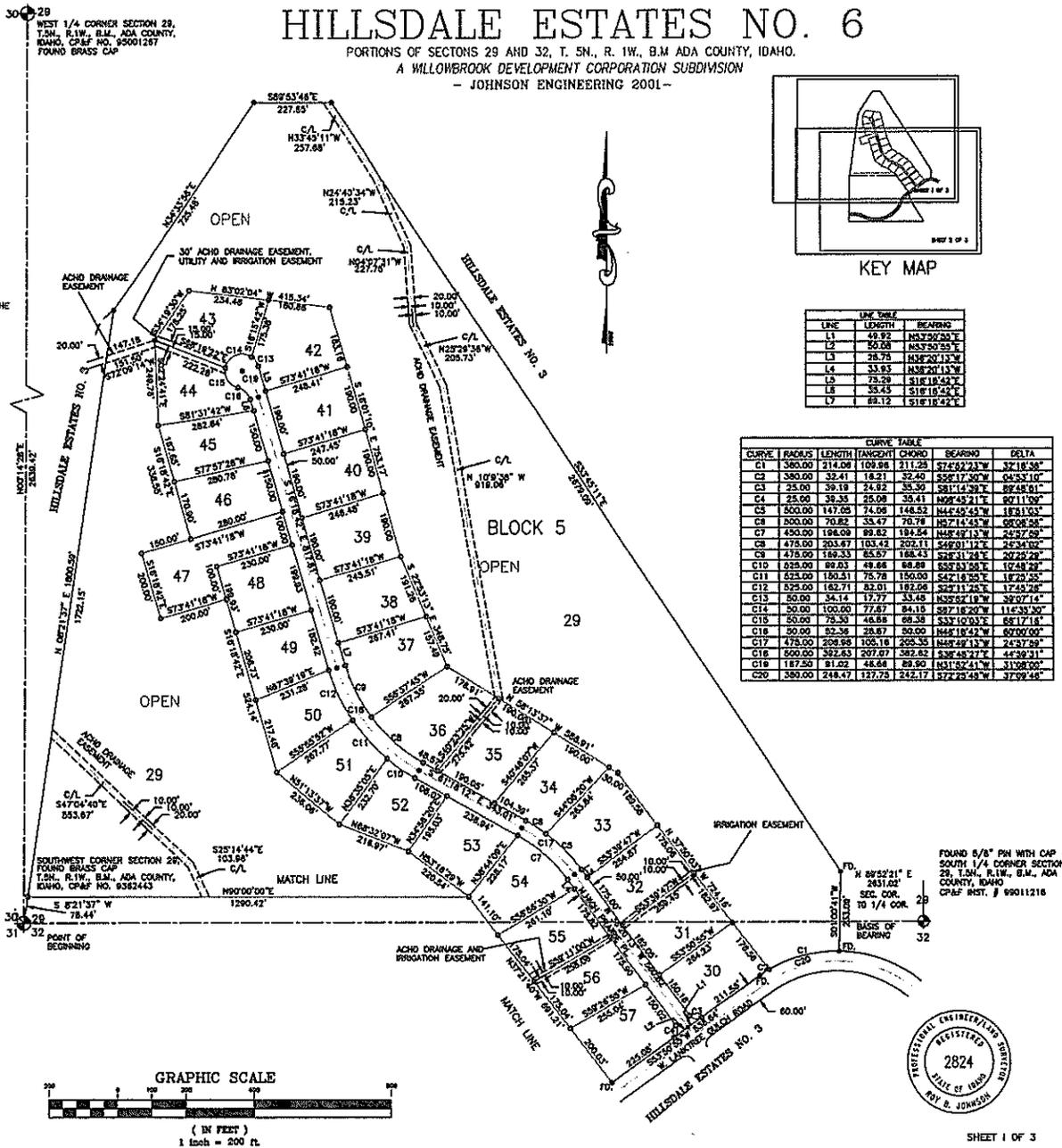
- REAR OF LOT
- BOUNDARY LINE
- LOT OR RIGHT OF WAY LINE
- CENTER LINE
- UTILITY EASEMENT
- MATCH LINE
- THE LINE
- 1/2"x24" PIN SET WITH PLASTIC CAP
- 5/8"x30" PIN SET WITH PLASTIC CAP
- LAND CORNER
- 24 LOT NUMBER
- FOUND PIN AS SHOWN

# HILLSDALE ESTATES NO. 6

PORTIONS OF SECTIONS 29 AND 32, T. 5N., R. 1W., B.M. ADA COUNTY, IDAHO.

A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION

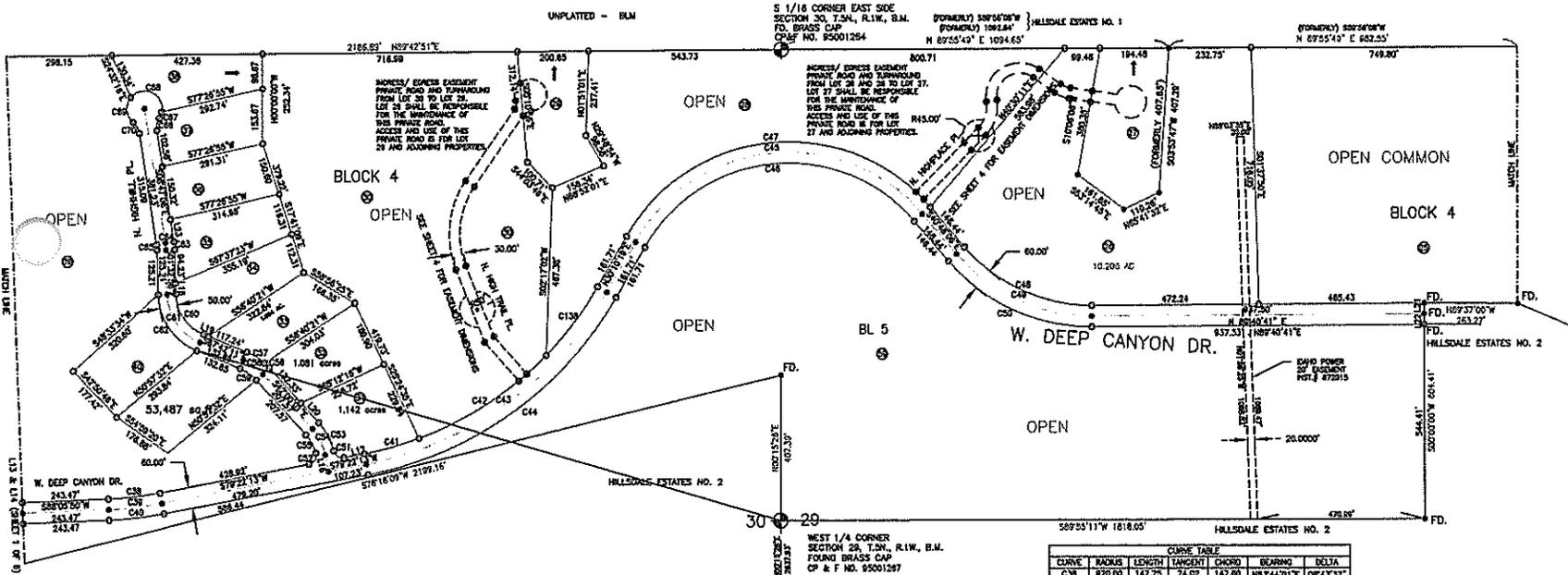
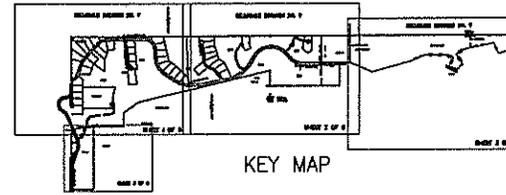
- JOHNSON ENGINEERING 2001-





# HILLSDALE ESTATES NO. 7

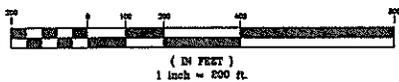
A RESUBDIVISION OF LOT 1, BLOCK 4, HILLSDALE ESTATES SUBDIVISION NO. 1  
AND PORTIONS OF SECTIONS 29 AND 30, T. 5N., R. 1W., B.M. ADA COUNTY, IDAHO.  
A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION  
- JOHNSON ENGINEERING 2003-



- LEGEND**
- REAR OF LOT
  - BOUNDARY LINE
  - LOT OR RIGHT OF WAY LINE
  - CENTER LINE
  - UTILITY EASEMENT
  - MATCH LINE
  - TIE LINE
  - POINT NOT SET
  - 1/2" x 24" PIN SET WITH ALUMINUM CAP - POINT ON LINE OR EASEMENT
  - 1/2" x 24" PIN SET WITH PLASTIC CAP
  - 5/8" x 30" PIN SET WITH PLASTIC CAP
  - ⊕ LAND CORNER
  - ⊙ LOT NUMBER
  - FD. FOUND PIN AS SHOWN

LINE	LENGTH	BEARING
L16	47.44	S103°37'47"E
L17	57.38	S72°22'13"W
L18	30.59	S01°33'58"E
L19	15.81	S82°32'11"E
L20	15.24	S42°00'01"E
L21	30.00	S00°00'00"W
L22	30.00	S00°00'00"W
L23	82.18	S09°47'59"W

CURVE	BACKSIGHT	LENGHTH	ANGLES	CHORDS	BEARING	FORESIGHT
C28	870.00	147.75	74.00	147.85	N83°44'31"E	082°43'27"
C29	1000.00	152.31	78.31	153.17	N84°44'51"E	082°43'27"
C30	1030.00	153.23	78.59	154.73	N84°44'51"E	082°43'27"
C31	870.00	181.31	85.64	181.12	N74°38'22"E	082°43'27"
C32	870.00	433.79	218.59	427.22	N87°07'17"E	072°28'28"
C33	1000.00	308.87	457.82	632.53	N85°46'18"E	481°11'54"
C34	1030.00	284.43	471.50	637.51	N85°46'18"E	481°11'54"
C35	500.00	251.43	701.31	814.23	S82°41'20"W	109°01'20"
C36	470.00	284.33	629.24	783.39	S82°41'20"W	109°01'20"
C37	820.00	1108.52	743.59	863.10	S84°41'08"W	109°01'20"
C38	470.00	408.22	218.77	363.69	S89°33'42"E	483°11'12"
C39	500.00	432.14	230.41	418.82	S89°33'42"E	483°11'12"
C40	530.00	458.87	244.43	443.63	S89°33'42"E	483°11'12"
C41	25.00	35.33	34.07	34.88	S82°41'20"W	87°20'00"
C42	25.00	41.16	26.87	36.67	N33°12'17"E	87°20'00"
C43	175.00	89.20	45.59	88.24	N27°23'02"W	201°12'18"
C44	150.00	65.13	45.12	81.11	N20°18'42"W	317°12'14"
C45	125.00	58.88	33.65	58.44	N20°18'42"W	317°12'14"
C46	175.00	19.82	8.82	19.60	N45°12'40"W	082°23'20"
C47	175.00	58.89	29.73	58.81	N00°00'45"W	118°18'50"
C48	150.00	67.39	34.22	66.73	N45°12'40"W	225°12'18"
C49	125.00	58.87	29.83	58.61	N45°12'40"W	225°12'18"
C50	125.00	144.33	81.42	136.44	S82°41'20"W	109°01'20"
C51	150.00	173.18	97.70	163.73	S42°47'33"E	082°12'18"
C52	175.00	202.06	113.58	191.02	S42°47'33"E	082°12'18"
C53	175.00	22.10	11.27	22.29	N82°18'01"W	07°14'10"
C54	150.00	18.84	8.49	18.53	N82°18'01"W	07°14'10"
C55	125.00	15.79	7.90	15.78	N82°18'01"W	07°14'10"
C56	80.00	35.14	18.90	35.36	S112°58'11"W	412°43'30"
C57	80.00	18.85	8.54	18.73	S112°58'11"W	412°43'30"
C58	50.00	131.50	124.20	69.98	N45°12'40"W	101°11'43"
C59	50.00	78.55	50.01	75.72	S09°11'13"E	020°03'20"
C60	80.00	36.14	18.90	35.35	S82°28'24"E	412°43'30"
C61	870.00	740.85	121.65	240.23	N37°17'07"E	141°13'36"

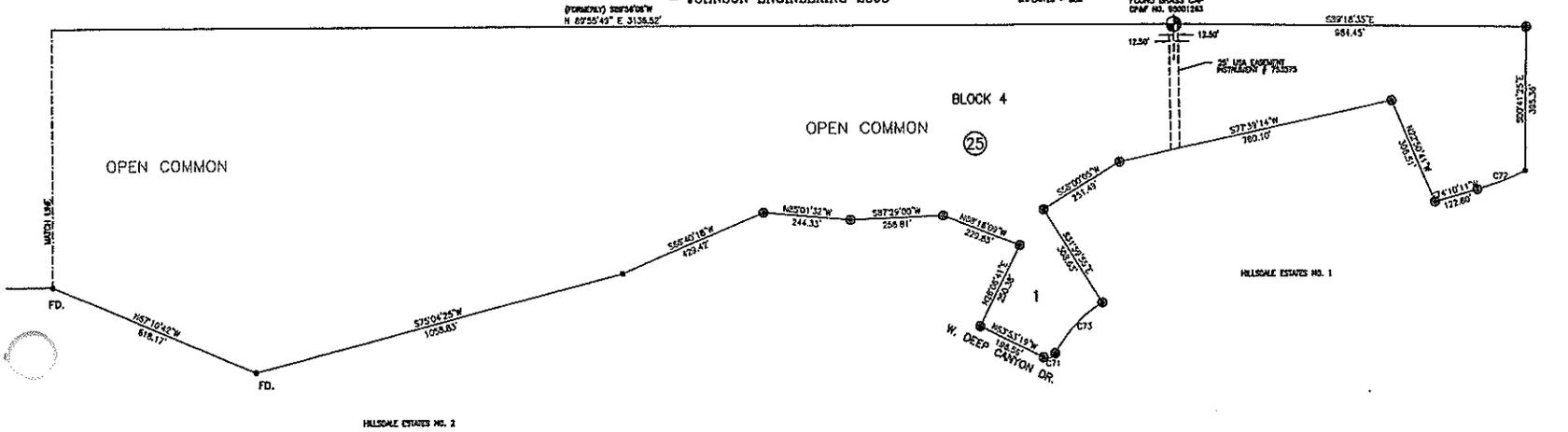


# HILLSDALE ESTATES NO. 7

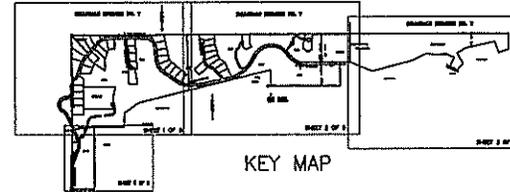
A RESUBDIVISION OF LOT 1, BLOCK 4, HILLSDALE ESTATES SUBDIVISION NO. 1  
AND PORTIONS OF SECTIONS 29 AND 30, T. 5N., R. 1W., B.M. ADA COUNTY, IDAHO.  
A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION  
- JOHNSON ENGINEERING 2003 -

UNPLATTED - B.M.

UNPLATTED - B.M.



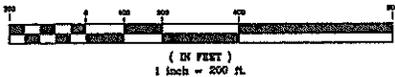
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C71	25.00	38.31	24.06	34.67	S72°12'48"W	87°47'48"
C72	775.00	144.50	72.44	144.29	S88°48'43"W	107°40'56"
C73	375.00	184.29	99.38	192.13	S47°08'30"W	29°41'10"



KEY MAP

### LEGEND

- REAR OF LOT
- BOUNDARY LINE
- LOT OR RIGHT OF WAY LINE
- CENTER LINE
- UTILITY EASEMENT
- MATCH LINE
- TIE LINE
- POINT NOT SET
- ⊠ 1/2" x 24" PIN SET WITH ALUMINUM CAP - POINT ON LINE OR EASEMENT
- 1/2" x 24" PIN SET WITH PLASTIC CAP
- 5/8" x 30" PIN SET WITH PLASTIC CAP
- ⊕ LAND CORNER
- Ⓟ LOT NUMBER
- FD. FOUND PIN AS SHOWN
- ⊙ FOUND 1/2" PIN, REPLACED W/ 5/8" PIN

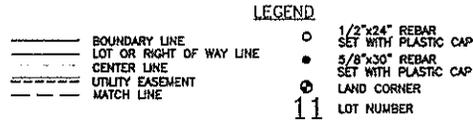
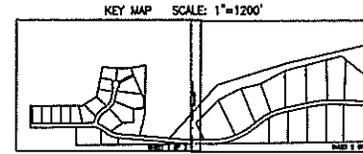




# STAR RIDGE ESTATES SUBDIVISION NO. 1

A PORTION OF SECTION 25, T. 5 N., R. 2 W., BOISE MERIDIAN, CANYON COUNTY, IDAHO.  
 A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION  
 - JOHNSON ENGINEERING 2003 -

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1465.00	878.63	343.52	872.25	N87°51'20"E	28°32'28"
C2	1465.00	223.94	112.19	223.72	S87°15'11"E	09°45'29"
C3	1465.00	217.85	108.14	217.61	N86°08'22"E	08°31'51"
C4	1465.00	236.82	118.67	236.36	N85°15'37"E	09°15'43"
C5	30.00	47.29	36.13	43.62	S45°18'28"E	92°14'41"
C6	374.00	102.80	63.10	106.75	S88°11'44"W	10°24'14"
C7	36.00	59.24	33.91	38.32	N89°28'50"E	7°29'42"
C8	844.00	145.93	73.40	145.68	N85°17'48"E	18°22'10"
C9	844.00	180.80	96.39	180.62	N88°03'00"W	22°02'43"
C10	814.00	83.18	31.83	83.15	N81°38'17"W	07°02'38"
C11	36.00	48.34	31.87	43.68	S42°37'23"E	83°28'09"
C12	374.00	133.08	81.13	133.38	N85°14'57"E	13°20'29"
C13	170.00	103.08	53.18	101.51	S32°28'50"W	54°44'35"
C14	200.00	121.28	62.57	118.43	S32°28'50"W	34°44'35"
C15	230.00	136.47	71.85	137.34	S32°28'50"W	34°44'35"
C16	230.00	133.48	69.88	133.38	S50°11'35"E	13°19'23"
C17	200.00	48.51	23.58	48.40	S50°11'35"E	12°18'23"
C18	170.00	38.53	18.85	38.44	S50°11'35"E	13°18'23"
C19	230.00	64.97	48.00	63.88	N31°30'15"E	24°03'21"
C20	230.00	53.95	16.78	53.92	N18°18'53"E	08°20'00"
C21	200.00	113.08	65.09	111.58	N72°20'13"E	34°24'20"
C22	170.00	99.10	49.37	84.83	N72°20'13"E	34°24'20"
C23	50.00	42.08	27.38	40.82	N12°57'09"W	48°11'23"
C24	70.00	100.87	61.68	92.37	S94°16'04"W	82°33'48"
C25	70.00	88.87	51.39	81.18	S88°28'56"E	48°11'18"
C26	70.00	68.78	30.08	65.25	N83°33'11"W	44°17'11"
C27	70.00	28.18	12.73	28.05	N92°36'13"W	22°34'46"
C28	70.00	95.84	87.22	88.61	N80°04'03"E	78°31'48"
C29	60.00	41.83	22.58	40.82	S32°14'16"W	48°11'23"
C30	514.00	184.02	88.18	182.87	S74°21'11"E	21°37'42"
C31	844.00	268.38	131.68	265.84	S71°37'19"E	27°12'41"
C32	374.00	209.48	105.81	208.30	S68°28'18"E	22°34'28"
C33	870.00	89.82	44.84	89.79	S82°32'50"E	08°18'21"
C34	1000.00	69.82	44.31	82.47	S87°15'37"E	08°18'21"
C35	1030.00	85.38	47.72	85.35	S87°25'00"E	09°18'21"
C36	514.00	254.97	130.18	252.34	S72°18'13"W	28°23'16"
C37	374.00	50.18	25.07	50.89	S67°45'31"E	02°55'04"
C38	374.00	63.15	31.41	63.12	S80°04'33"E	09°18'13"



**IRRIGATION RIGHTS**  
 THIS SUBDIVISION IS NOT IN ANY IRRIGATION DISTRICT. THE DEVELOPER HAS MADE NO PROVISION TO SUPPLY IRRIGATION WATER TO THE INDIVIDUAL LOTS. THE DEVELOPER WILL COMPLY WITH IDAHO CODE 31-3803.

**RESTRICTIVE COVENANTS**  
 BUILDING AND OCCUPANCY SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE RESTRICTIVE COVENANTS AS FILED IN THE RECORDS OF THE CANYON COUNTY RECORDER.

**BUILDING SETBACKS**  
 BUILDING SETBACKS AT THIS SUBDIVISION SHALL BE IN COMPLIANCE WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

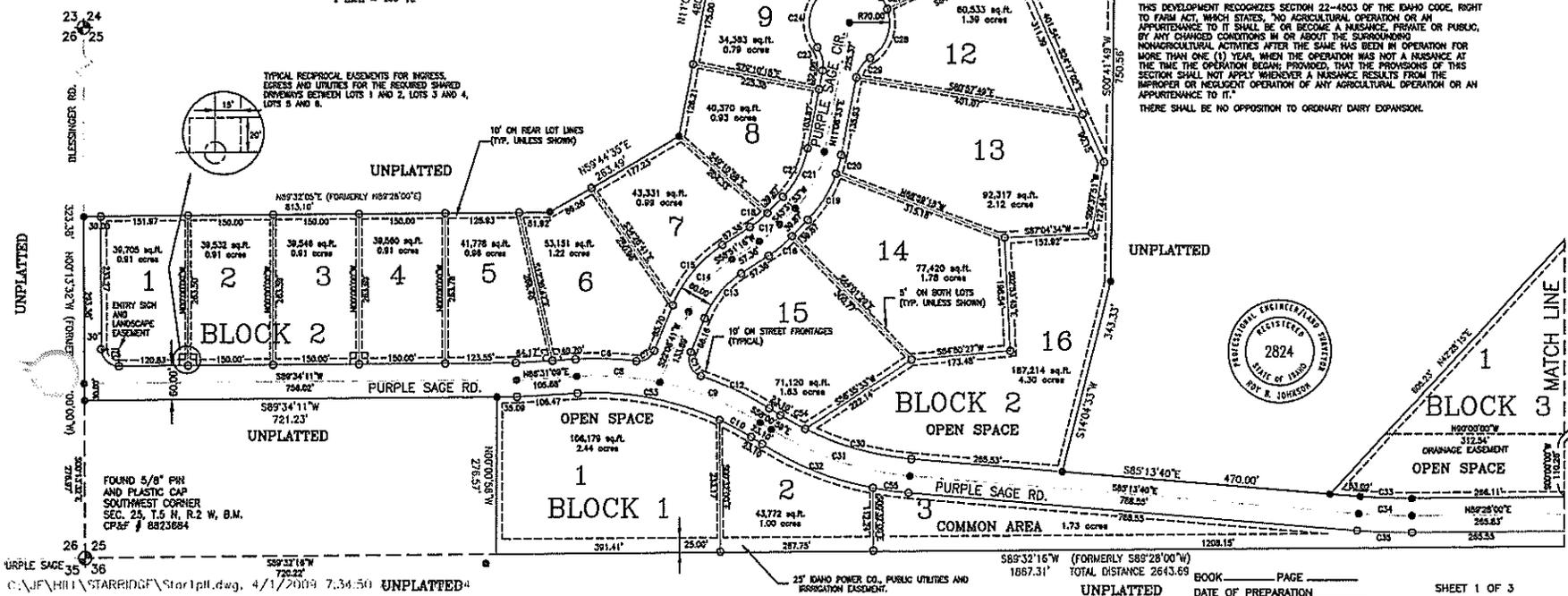
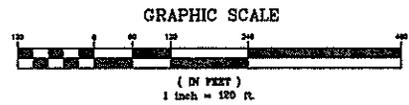
**EASEMENTS**  
 ALL LOTS HAVE A 10 FOOT WIDE EASEMENT CONTIGUOUS TO ALL FRONT AND REAR LOT LINES AND ALL SIDE LOT LINES HAVE A 10 FOOT WIDE EASEMENT CENTERED ON THE LOT LINE FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. OTHER EASEMENTS ARE AS SHOWN.

**RE-SUBDIVISION**  
 ANY RE-SUBDIVISION OF THIS PLAT SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION.

**OPEN SPACE**  
 LOT 1, BLOCK 1, LOT 18, BLOCK 2 AND LOT 1, BLOCK 3 ARE OPEN SPACE LOTS. ANY RE-SUBDIVISION OF THESE LOTS SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION.

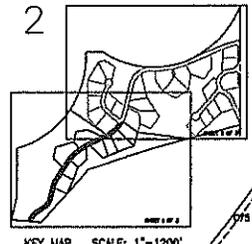
**COMMON AREA**  
 LOT 3, BLOCK 1 IS COMMON AREA OWNED BY THE STAR RIDGE ESTATES OWNERS ASSOCIATION. NO RE-SUBDIVISION OF THE COMMON AREA SHALL BE ALLOWED.

**AGRICULTURAL OPERATION**  
 THIS DEVELOPMENT RECOGNIZES SECTION 22-4503 OF THE IDAHO CODE, RIGHT TO FARM ACT, WHICH STATES, "NO AGRICULTURAL OPERATION OR AN APPEARANCE TO IT SHALL BE OR BECOME A NUISANCE, PRIVATE OR PUBLIC, BY ANY CHANGED CONDITIONS IN OR ABOUT THE SURROUNDING NONAGRICULTURAL ACTIVITIES AFTER THE SAME HAS BEEN IN OPERATION FOR MORE THAN ONE (1) YEAR, WHEN THE OPERATION WAS NOT A NUISANCE AT THE TIME THE OPERATION BEGAN; PROVIDED, THAT THE PROVISIONS OF THIS SECTION SHALL NOT APPLY WHENEVER A NUISANCE RESULTS FROM THE IMPROPER OR NEGLECTED OPERATION OF ANY AGRICULTURAL OPERATION OR AN APPEARANCE TO IT."  
 THERE SHALL BE NO OPPOSITION TO ORDINARY DAIRY EXPANSION.



# STAR RIDGE ESTATES SUBDIVISION NO. 2

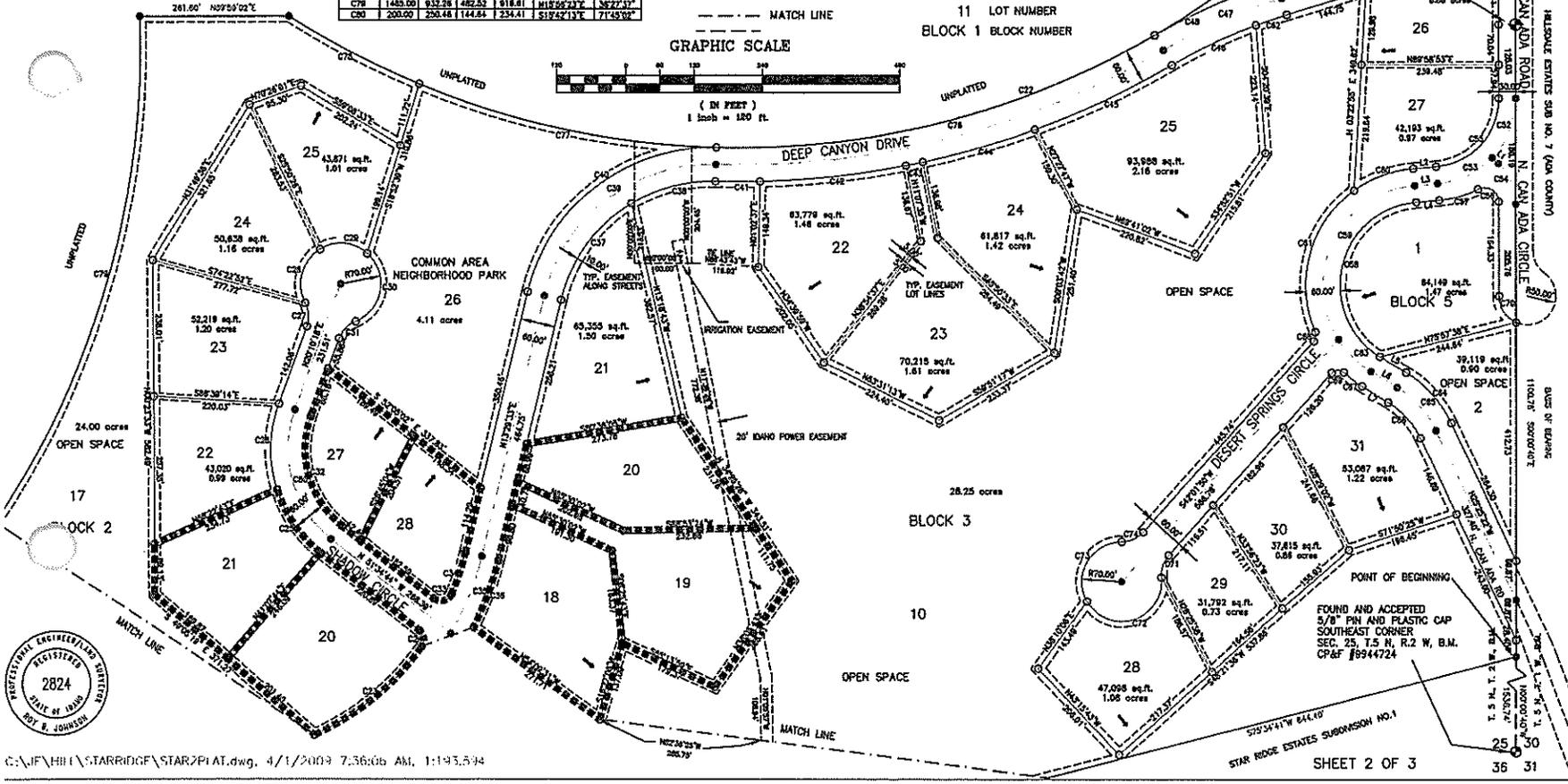
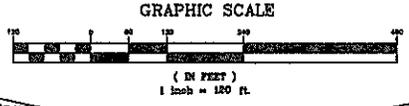
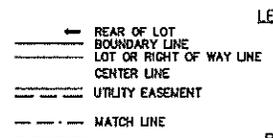
PORTION OF SECTION 25, T. 5 N., R. 2 W., BOISE MERIDIAN, CANYON COUNTY, IDAHO.  
A WILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION  
-- JOHNSON ENGINEERING 2004



CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	
C02	1454.00	2564.41	1791.58	228.94	87°14'25.2" E	101°52'19"
C03	478.00	243.71	124.64	240.69	N50°42'31" E	22°42'31"
C04	26.00	30.89	18.12	27.84	N67°31'45" W	87°23'38"
C05	230.00	134.73	62.36	132.61	S34°47'31" E	32°33'24"
C06	230.00	151.30	78.62	160.48	S01°04'40" W	38°11'18"
C07	50.00	42.05	22.36	40.83	N61°52'25" W	48°11'23"
C08	70.00	108.30	68.44	88.58	S18°28'13" W	87°00'34"
C09	70.00	86.01	55.90	82.33	S61°59'11" W	77°02'26"
C10	70.00	145.34	114.87	118.58	N30°41'50" E	111°12'42"
C11	50.00	42.05	22.36	40.83	S49°18'00" E	48°11'23"
C12	170.00	212.89	122.85	188.20	S18°44'13" E	71°45'00"
C13	20.00	36.82	24.39	31.84	S79°50'41" E	102°28'17"
C14	478.00	77.40	38.62	77.37	N11°12'49" E	62°28'32"
C15	600.00	151.84	77.07	153.35	S22°18'20" E	17°21'54"
C16	530.00	128.10	63.33	125.80	N52°18'30" E	13°37'33"
C17	270.00	214.02	112.40	207.53	S38°04'30" W	45°11'15"
C18	270.00	124.87	79.52	120.57	S72°08'27" W	37°48'23"
C19	350.00	426.55	243.09	377.70	S52°30'20" W	78°01'30"
C20	330.00	448.40	267.58	413.47	S52°30'20" W	78°01'30"
C21	1814.00	78.12	39.07	78.11	S89°27'33" E	02°07'23"
C22	1814.00	258.83	128.72	258.83	N61°42'18" E	62°43'19"
C23	1814.00	30.00	15.00	30.00	N78°18'31" E	01°00'00"
C24	1814.00	284.84	142.42	284.73	S74°44'48" E	62°43'18"
C25	1814.00	284.84	142.42	284.73	N61°42'18" E	62°43'19"
C26	970.00	183.37	91.69	183.18	S64°45'41" W	36°30'28"
C27	1000.00	227.30	114.14	228.81	S68°24'03" W	37°01'24"
C28	1030.00	234.72	117.37	233.61	S68°24'03" W	37°01'24"
C29	270.00	39.18	19.59	39.17	N59°07'20" E	07°49'27"
C30	300.00	28.84	13.28	28.84	S72°22'20" E	09°04'11"
C31	30.00	56.81	46.52	48.22	N62°33'11" W	102°38'29"
C32	150.00	114.34	60.11	111.60	N61°48'37" E	43°46'34"

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	
C33	180.00	108.28	58.61	105.62	N62°20'43" E	41°21'03"
C34	100.00	80.77	42.73	78.58	N10°06'06" W	48°18'38"
C35	120.00	178.08	110.01	182.18	N42°30'00" E	83°01'38"
C36	25.00	31.29	41.21	43.78	N58°48'33" W	117°30'27"
C37	180.00	78.90	38.62	78.44	N62°20'43" E	22°34'00"
C38	145.00	343.83	433.13	278.62	S17°08'00" W	113°28'42"
C39	175.00	358.78	288.21	289.17	S42°18'58" W	117°28'03"
C40	200.00	110.88	58.63	109.53	S88°31'18" W	37°02'24"
C41	200.00	274.87	164.02	258.13	S12°21'59" W	77°18'28"
C42	620.00	31.11	15.56	31.10	S41°25'30" E	02°07'23"
C43	175.00	80.31	40.88	79.81	S45°25'30" E	33°19'24"
C44	205.00	119.23	61.30	117.58	N45°02'04" W	53°19'24"
C45	178.00	101.78	52.38	100.30	N42°02'04" W	33°18'28"
C46	145.00	84.33	43.40	85.15	N42°02'04" W	33°18'28"
C47	200.00	49.29	20.18	49.18	S33°07'13" E	11°18'00"
C48	15.00	17.10	9.82	18.18	N59°21'53" E	02°18'50"
C49	18.00	23.89	15.12	21.30	S87°16'03" W	60°28'28"
C50	50.00	37.87	32.74	54.78	S37°12'30" E	62°20'50"
C51	50.00	42.05	22.36	40.83	S17°28'00" W	28°11'24"
C52	70.00	100.83	59.29	100.83	N71°11'15" E	105°01'24"
C53	70.00	147.04	122.11	121.48	S50°04'30" W	102°21'10"
C54	50.00	42.05	22.36	40.83	N68°07'30" E	48°11'23"
C55	1454.00	845.80	817.25	874.68	N62°11'11" E	32°00'00"
C56	1454.00	801.27	411.50	781.32	N22°43'50" E	31°54'57"
C57	1454.00	854.48	270.29	831.48	S73°27'01" E	21°03'48"
C58	1454.00	257.08	128.84	258.72	S62°21'17" E	102°38'29"
C59	1488.00	932.28	482.52	918.81	N18°52'47" E	38°27'47"
C60	200.00	258.48	144.84	234.41	S12°42'13" E	71°45'00"

LINE	LENGTH	BEARING
L1	14.93	S48°18'26" E
L2	40.41	N89°00'28" E
L3	40.63	N89°00'58" E
L4	40.63	N89°00'58" E
L5	52.88	N58°44'48" W
L6	52.88	N58°44'48" W
L7	52.88	N58°44'48" W



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STAR RIDGE ESTATES SUBDIVISION NO. 1  
SHEET 2 OF 3  
36 31

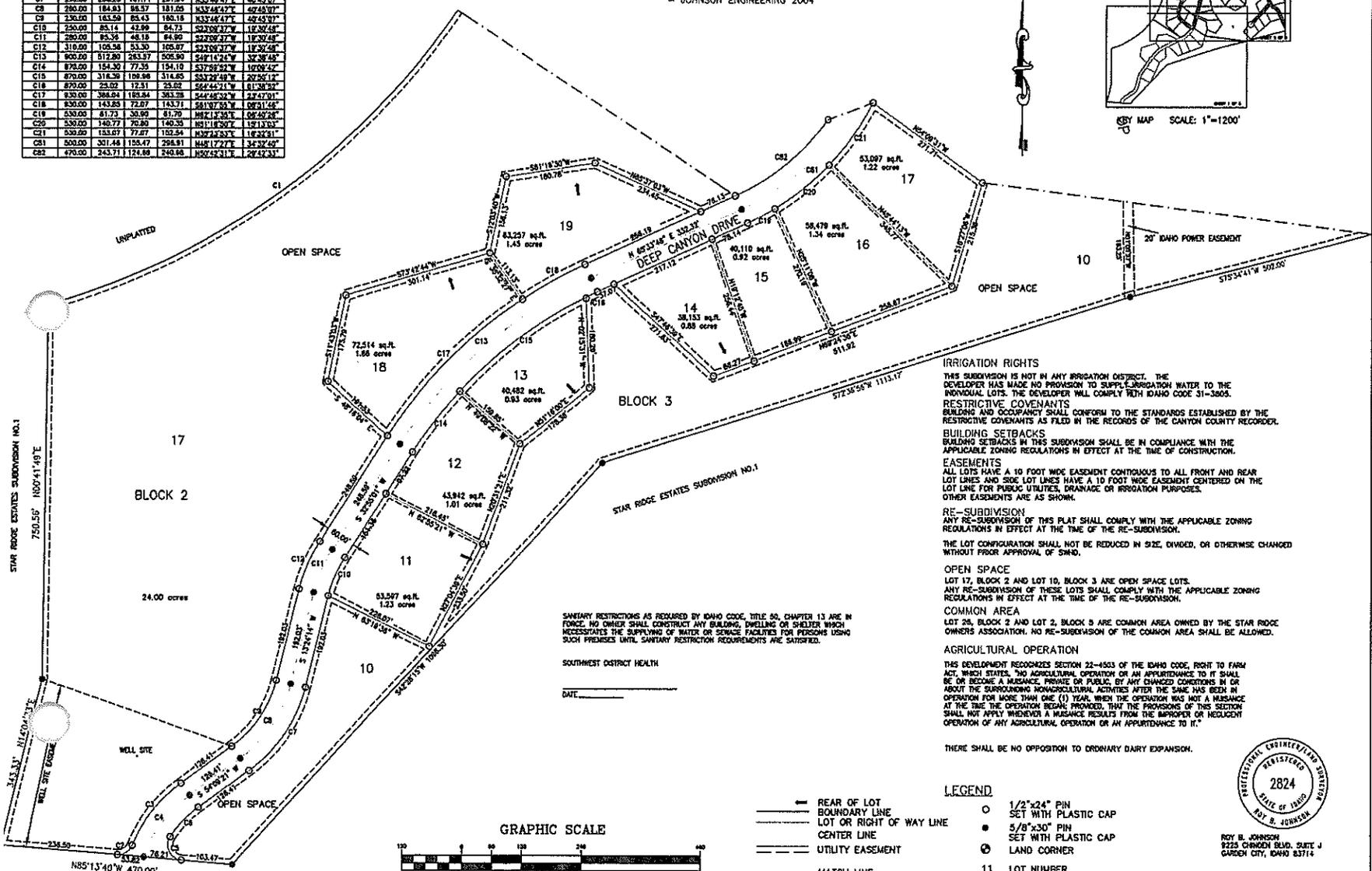
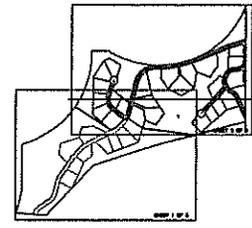
# STAR RIDGE ESTATES SUBDIVISION NO.2

PORTION OF SECTION 25, T. 5 N., R. 2 W., BOISE MERIDIAN, CANYON COUNTY, IDAHO.

A HILLOWBROOK DEVELOPMENT CORPORATION SUBDIVISION

— JOHNSON ENGINEERING 2004

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	
C1	1445.00	1033.36	539.24	1012.09	154°22'30" E	40°24'50"
C2	30.00	37.89	21.84	35.42	155°35'22" E	7°21'54"
C3	290.00	183.78	82.47	158.83	158°18'33" E	31°44'47"
C4	280.00	156.02	80.44	153.69	153°57'52" E	34°22'56"
C5	30.00	42.36	26.52	51.78	154°45'53" E	11°52'35"
C6	230.00	81.85	41.38	81.42	154°57'36" E	20°23'22"
C7	280.00	204.26	107.71	201.84	153°49'47" E	42°45'07"
C8	290.00	184.83	88.57	181.59	153°48'27" E	42°45'07"
C9	230.00	163.59	83.43	160.18	153°48'47" E	42°45'07"
C10	230.00	85.14	42.59	84.73	153°59'37" E	18°30'48"
C11	280.00	85.35	48.18	84.99	153°59'37" E	18°30'48"
C12	319.00	108.54	53.30	105.67	154°00'37" E	18°30'48"
C13	900.00	512.80	253.57	506.90	154°14'24" E	34°30'48"
C14	878.00	154.30	77.33	154.10	153°52'54" E	10°00'42"
C15	870.00	318.39	159.58	314.65	153°52'48" E	20°26'12"
C16	870.00	25.02	12.51	25.02	152°44'21" E	81°38'52"
C17	830.00	396.84	198.24	393.68	154°49'32" E	27°47'01"
C18	830.00	143.83	72.87	143.71	151°07'53" E	08°31'46"
C19	530.00	81.73	39.99	81.79	158°12'35" E	08°46'28"
C20	530.00	149.77	79.89	149.55	158°11'50" E	17°13'03"
C21	530.00	126.07	72.27	125.94	157°52'53" E	18°22'51"
C22	500.00	301.48	150.74	298.91	148°17'27" E	34°32'49"
C23	470.00	243.71	121.88	240.68	150°42'11" E	28°42'33"



**IRRIGATION RIGHTS**  
THIS SUBDIVISION IS NOT IN ANY IRRIGATION DISTRICT. THE DEVELOPER HAS MADE NO PROVISION TO SUPPLY IRRIGATION WATER TO THE INDIVIDUAL LOTS. THE DEVELOPER WILL COMPLY WITH IDAHO CODE 31-3005.

**RESTRICTIVE COVENANTS**  
BUILDING AND OCCUPANCY SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE RESTRICTIVE COVENANTS AS FILED IN THE RECORDS OF THE CANYON COUNTY RECORDER.

**BUILDING SETBACKS**  
BUILDING SETBACKS IN THIS SUBDIVISION SHALL BE IN COMPLIANCE WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

**EASEMENTS**  
ALL LOTS HAVE A 10 FOOT WIDE EASEMENT CONTIGUOUS TO ALL FRONT AND REAR LOT LINES AND SIDE LOT LINES HAVE A 10 FOOT WIDE EASEMENT CENTERED ON THE LOT LINE FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. OTHER EASEMENTS ARE AS SHOWN.

**RE-SUBDIVISION**  
ANY RE-SUBDIVISION OF THIS PLAT SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION.

THE LOT CONFIGURATION SHALL NOT BE REDUCED IN SIZE, DIVIDED, OR OTHERWISE CHANGED WITHOUT PRIOR APPROVAL OF SHAD.

**OPEN SPACE**  
LOT 17, BLOCK 2 AND LOT 10, BLOCK 3 ARE OPEN SPACE LOTS. ANY RE-SUBDIVISION OF THESE LOTS SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION.

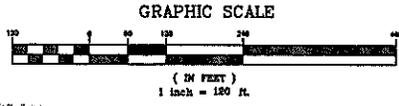
**COMMON AREA**  
LOT 26, BLOCK 2 AND LOT 2, BLOCK 3 ARE COMMON AREA OWNED BY THE STAR RIDGE OWNERS ASSOCIATION. NO RE-SUBDIVISION OF THE COMMON AREA SHALL BE ALLOWED.

**AGRICULTURAL OPERATION**  
THIS DEVELOPMENT RECOGNIZES SECTION 22-4553 OF THE IDAHO CODE, RIGHT TO FARM ACT, WHICH STATES, "NO AGRICULTURAL OPERATION OR AN APPURTENANCE TO IT SHALL BE OR BECOME A NUISANCE, PRIVATE OR PUBLIC, BY ANY CHANGED CONDITIONS IN OR ABOUT THE SURROUNDING NONAGRICULTURAL ACTIVITIES AFTER THE SAME HAS BEEN IN OPERATION FOR MORE THAN ONE (1) YEAR, WHEN THE OPERATION WAS NOT A NUISANCE AT THE TIME THE OPERATION BEGAN; PROVIDED, THAT THE PROVISIONS OF THIS SECTION SHALL NOT APPLY WHEREVER A NUISANCE RESULTS FROM THE IMPROPER OR NEGLIGENT OPERATION OF ANY AGRICULTURAL OPERATION OR AN APPURTENANCE TO IT."

THERE SHALL BE NO OPPOSITION TO ORDINARY DAIRY EXPANSION.

SAFETY RESTRICTIONS AS REQUIRED BY IDAHO CODE, TITLE 50, CHAPTER 13 ARE IN FORCE. NO OWNER SHALL CONSTRUCT ANY BUILDING, DWELLING OR SHED WHICH NECESSITATES THE SUPPLYING OF WATER OR SEWAGE FACILITIES FOR PERSONS USING SUCH PREMISES UNTIL SAFETY RESTRICTION REQUIREMENTS ARE SATISFIED.

SOUTHWEST DISTRICT HEALTH  
DATE \_\_\_\_\_



- LEGEND**
- REAR OF LOT
  - BOUNDARY LINE
  - LOT OR RIGHT OF WAY LINE
  - CENTER LINE
  - UTILITY EASEMENT
  - - - MATCH LINE
  - 1/2" x 24" PIN
  - SET WITH PLASTIC CAP
  - 5/8" x 30" PIN
  - SET WITH PLASTIC CAP
  - ⊙ LAND CORNER
  - 11 LOT NUMBER
  - BLOCK 1 BLOCK NUMBER



ROY B. JOHNSON  
2225 CHRYSLER BLDG. SUITE J  
GARDEN CITY, IDAHO 83714

BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
DATE OF PREPARATION—JANUARY 29, 2003

# STAR RIDGE ESTATES SUBDIVISION NO. 3

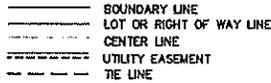
## AMENDED PLAT

A PORTION OF LOT 1, BLOCK 1, STAR RIDGE ESTATES SUBDIVISION, NO. 1  
AND A PORTION OF SECTION 25, T. 5 N., R. 2 W., BOISE MERIDIAN, CANYON COUNTY, IDAHO.

A CITY DEVELOPMENT INC. SUBDIVISION

- JOHNSON ENGINEERING 2004 -

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	35.00	47.92	29.89	42.38	84°49'18" / 89°47'57"



### LEGEND

- 1/2"x24" REBAR SET WITH PLASTIC CAP
- 5/8"x30" REBAR SET WITH PLASTIC CAP
- ⊕ LAND CORNER
- ⑪ LOT NUMBER

### IRRIGATION RIGHTS

THIS SUBDIVISION IS NOT IN ANY IRRIGATION DISTRICT. THE DEVELOPER HAS MADE NO PROVISION TO SUPPLY IRRIGATION WATER TO THE INDIVIDUAL LOTS. THE DEVELOPER WILL COMPLY WITH IDAHO CODE 31-3805.

### RESTRICTIVE COVENANTS

BUILDING AND OCCUPANCY SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE RESTRICTIVE COVENANTS AS FILED IN THE RECORDS OF THE CANYON COUNTY RECORDER.

### BUILDING SETBACKS

BUILDING SETBACKS IN THIS SUBDIVISION SHALL BE IN COMPLIANCE WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

### EASEMENTS

ALL LOTS HAVE A 10 FOOT WIDE EASEMENT CONTIGUOUS TO ALL FRONT AND REAR LOT LINES AND ALL SIDE LOT LINES HAVE A 10 FOOT WIDE EASEMENT CENTERED ON THE LOT LINE FOR PUBLIC UTILITIES, DRAINAGE OR IRRIGATION PURPOSES. OTHER EASEMENTS ARE AS SHOWN.

### RE-SUBDIVISION

ANY RE-SUBDIVISION OF THIS PLAT SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT AT THE TIME OF THE RE-SUBDIVISION.

THE LOT CONFIGURATION SHALL NOT BE REDUCED IN SIZE, DIVIDED, OR OTHERWISE CHANGED WITHOUT PRIOR APPROVAL OF SWHD.

### AGRICULTURAL OPERATION

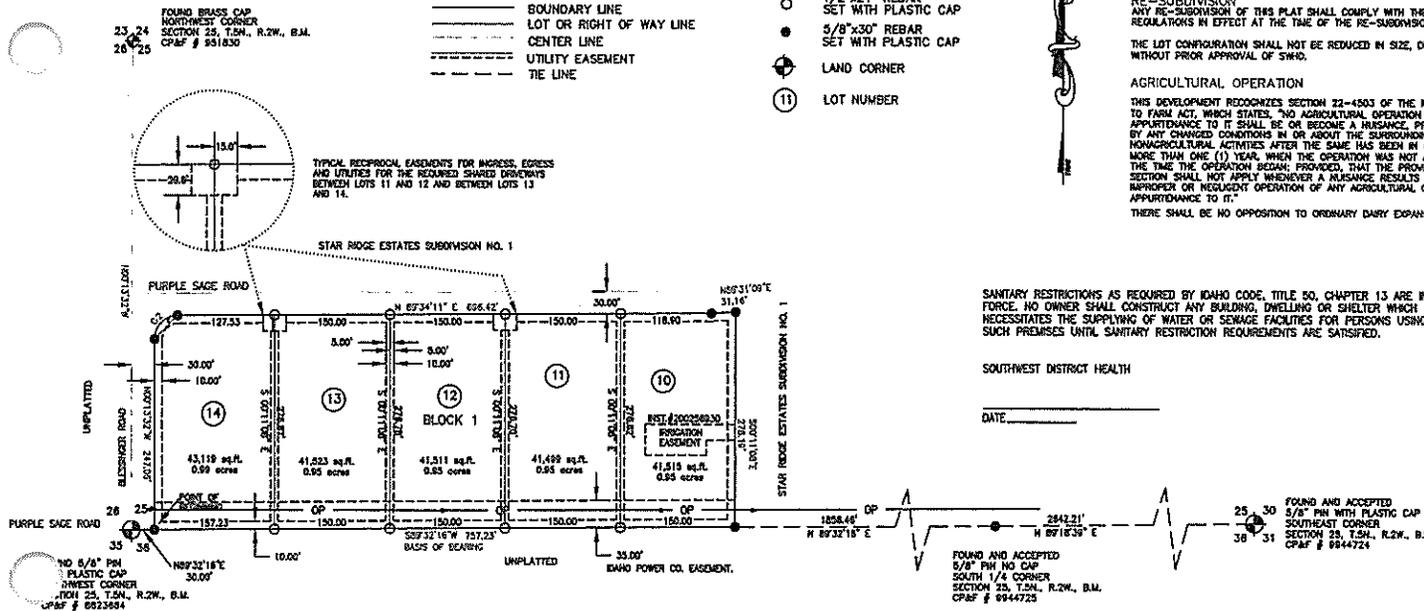
THIS DEVELOPMENT RECOGNIZES SECTION 22-4503 OF THE IDAHO CODE, RIGHT TO FARM ACT, WHICH STATES, "NO AGRICULTURAL OPERATION OR AN APPURTENANCE TO IT SHALL BE OR BECOME A NUISANCE, PRIVATE OR PUBLIC, BY ANY CHANGED CONDITIONS IN OR ABOUT THE SURROUNDING NONAGRICULTURAL ACTIVITIES AFTER THE SAME HAS BEEN IN OPERATION FOR MORE THAN ONE (1) YEAR, WHEN THE OPERATION WAS NOT A NUISANCE AT THE TIME THE OPERATION BEGAN; PROVIDED, THAT THE PROVISIONS OF THIS SECTION SHALL NOT APPLY WHENEVER A NUISANCE RESULTS FROM THE IMPROPER OR NEGLIGENT OPERATION OF ANY AGRICULTURAL OPERATION OR AN APPURTENANCE TO IT."

THERE SHALL BE NO OPPOSITION TO ORDINARY DAIRY EXPANSION.

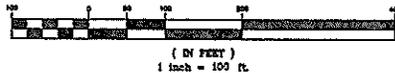
SANITARY RESTRICTIONS AS REQUIRED BY IDAHO CODE, TITLE 50, CHAPTER 13 ARE IN FORCE. NO OWNER SHALL CONSTRUCT ANY BUILDING, DWELLING OR SHELTER WHICH NECESSITATES THE SUPPLYING OF WATER OR SEWAGE FACILITIES FOR PERSONS USING SUCH PREMISES UNTIL SANITARY RESTRICTION REQUIREMENTS ARE SATISFIED.

SOUTHWEST DISTRICT HEALTH

DATE \_\_\_\_\_



### GRAPHIC SCALE



PLAT PREPARED BY:  
JOHNSON ENGINEERING  
8225 CHARDON BLVD. SUITE 2  
GARDEN CITY, IDAHO 83714

BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
DATE OF PREPARATION APRIL 20, 2004



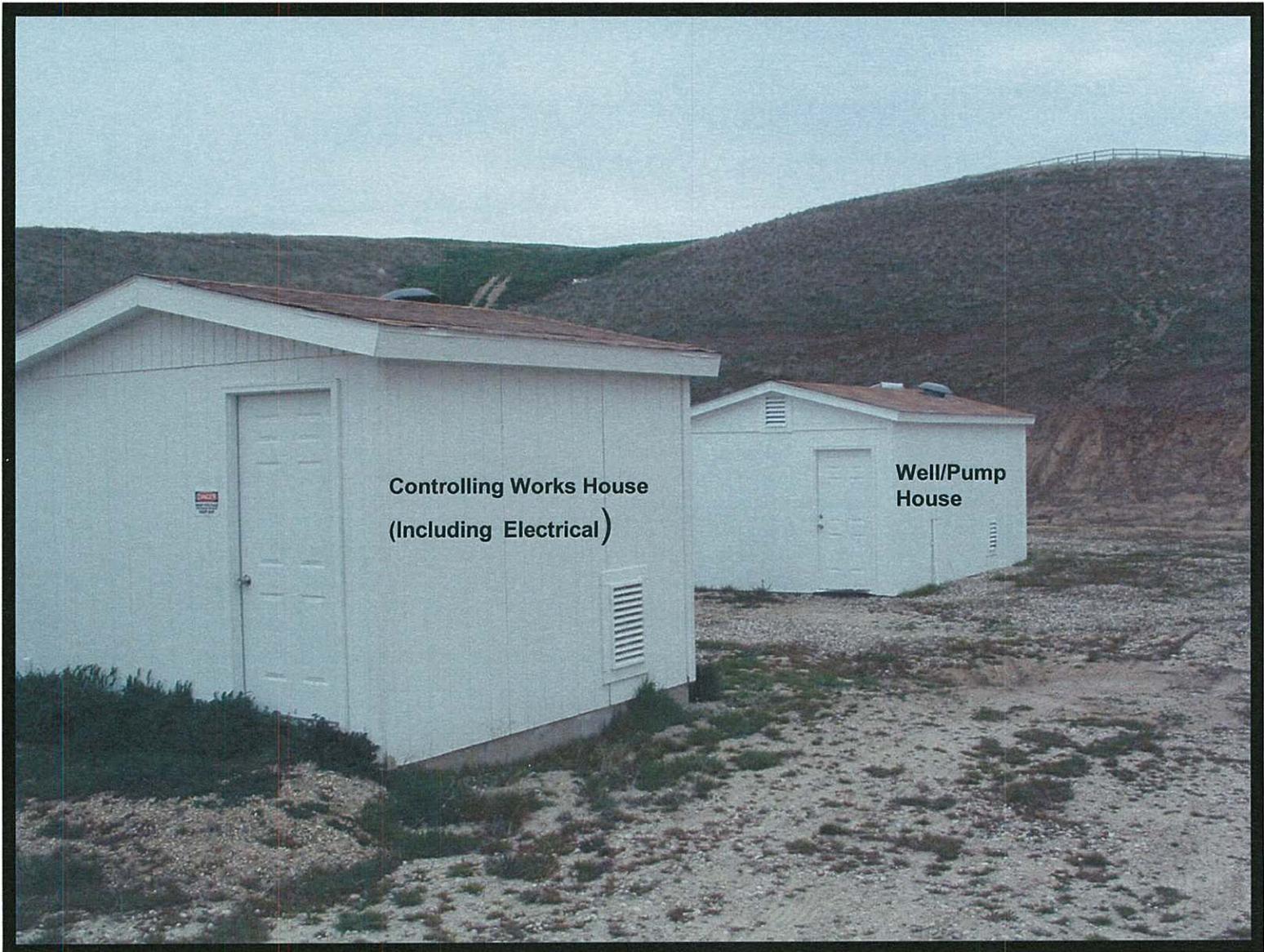
**ATTACHMENT G**  
**PHOTOS**



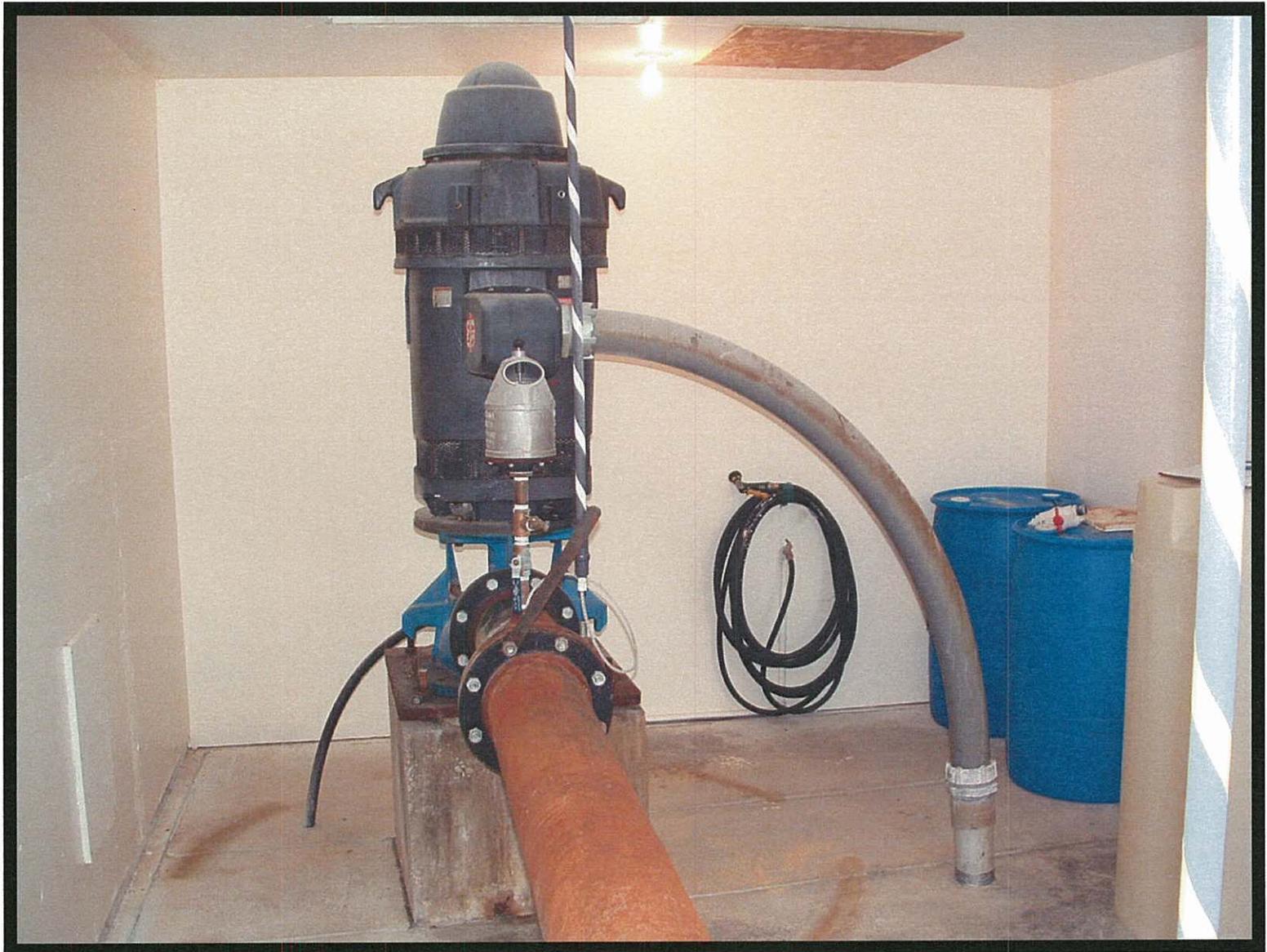
Well No. 1 Site: SWNW, Section 28, T5N, R1W



Well No. 2 Site: SENE, Section 29, T5N, R1W

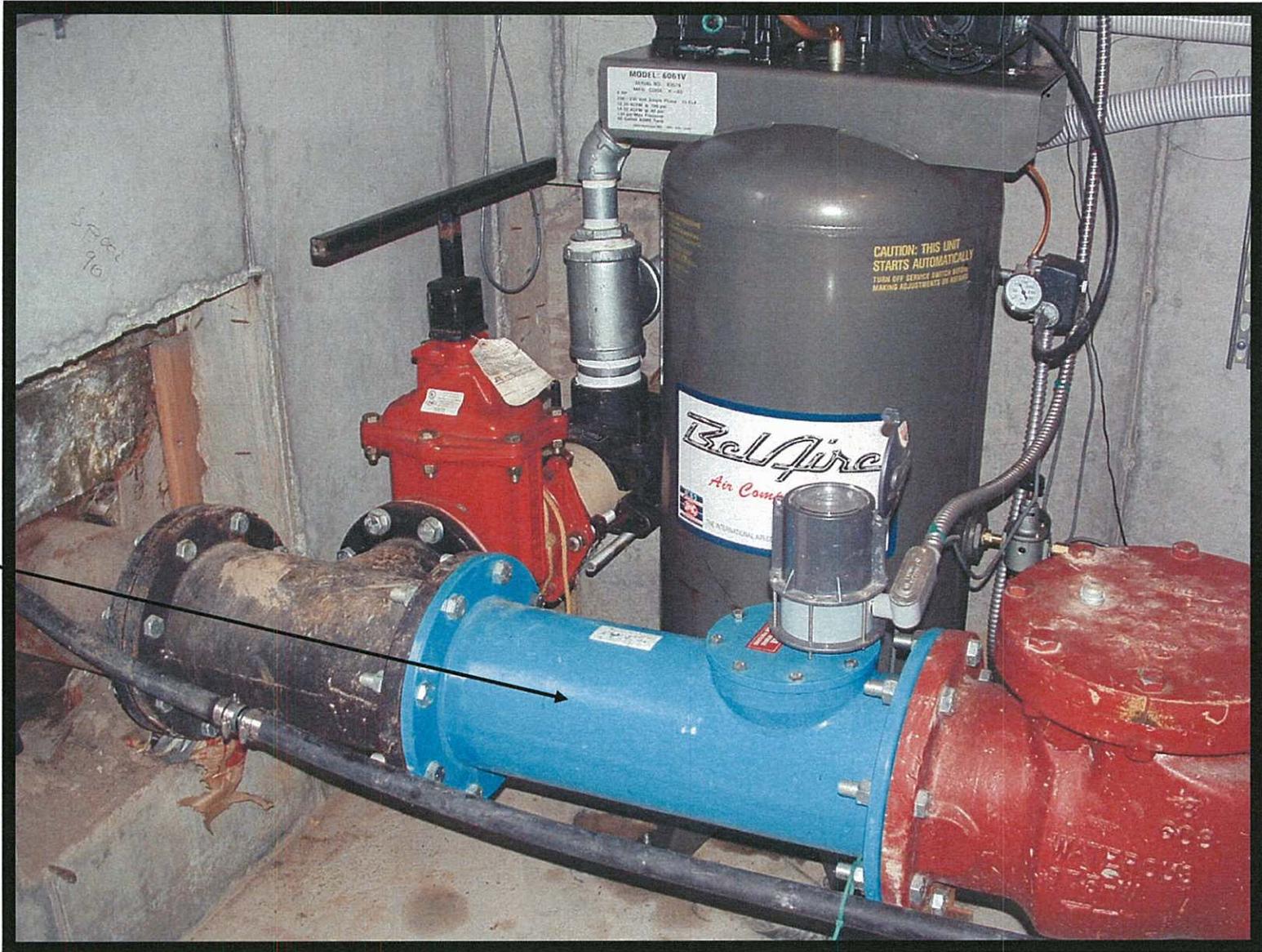


Well No. 3 Site: SESW, Section 25, T5N, R2W



Well No. 3: 16-inch Well and 250 hp Turbine Pump

From Well



Well No. 3 Ground Water Flow Meter



High  
Pressure  
Main

Low  
Pressure  
Main

Well No. 3 Flow Meter, Check Valve and Mainline Controlling Works



Well No. 3 Mainline Controlling Works



Stubbed-in Lot



Water Meter at Stubbed-in Lot



Entrance to Star Ridge Estates No. 2



Intersection Between Star Ridge Estates No. 1 and Hillsdale Estate No. 7