

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9216

Exam Date: 8/30/2007

1. Current Owner: DISCOVERY COEUR D ALENE INVESTORS LLC
820 E SHERMAN AVE
COEUR D ALENE ID 83814
(208) 765-9034
2. Accompanied by: JIM MCPHILOMY
Phone No: 208-691-7223
Address: SAME AS ABOVE
Relationship to Permit Holder: EMPLOYEE

3. **SOURCE**

COEUR D ALENE LAKE

TRIBUTARY

SPOKANE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-9113
2. Other water rights with the same point of diversion: 95-9113

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

COEUR D ALENE LAKE L4 SE¼SE¼ Sec. 36, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N 03W 5					X L 2	X L 3	X	X	X	X	X	X					
49N 03W 6	X L 1			X L 2									X		X L 4		
49N 03W 7													X			X	
49N 03W 8	X	X	X	X	X	X	X	X	X	X	X	X	X				
50N 03W 31										X L 2							
50N 04W 36													X L 4				

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
	475S600-7	60			475 gpm
	475S600-7	60			475 gpm
	230S300-9	30			230 gpm
	150S200-9	20			150 gpm

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

see attached

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

see attached

F. 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:

N/A

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM WORKS WITH WATER RIGHT 95-9113 FOR A TOTAL DIVERSION OF 2 CFS. THIS RIGHT COVERS 1 CFS AND RIGHT 95-9113 COVERS 1 CFS. THE SYSTEM HAS 4 PUMPS SUBMERGED IN LAKE COEUR D'ALENE. THE PUMPS ARE SET UP TO RUN AT A MAX OF 900 GPM. THIS IS CONTROLLED BY A COMPUTER SYSTEM. THE MAX THAT THESE PUMPS CAN PRODUCE WITH NO RESTRICTIONS WOULD BE 1300 GPM. THE PLACE OF USE IS THE GOZZER RANCH GOLF AND LAKE CLUB.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
MUNICIPAL	01/01 to 12/31	1.000 CFS	
<u>Totals:</u>		1.000 CFS	

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

Date

Reviewer

Date

11-21-07

11/23/17



95-9216
WATER SYSTEM CONSUMPTION
GOZZER RANCH

MONTH:

May, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1			0	0	#DIV/0!	#DIV/0!
2			0	0	#DIV/0!	#DIV/0!
3			0	0	#DIV/0!	#DIV/0!
4			0	0	#DIV/0!	#DIV/0!
5			0	0	#DIV/0!	#DIV/0!
6			0	0	#DIV/0!	#DIV/0!
7			0	0	#DIV/0!	#DIV/0!
8			0	0	#DIV/0!	#DIV/0!
9			0	0	#DIV/0!	#DIV/0!
10			0	0	#DIV/0!	#DIV/0!
11			0	0	#DIV/0!	#DIV/0!
12			0	0	#DIV/0!	#DIV/0!
13			0	0	#DIV/0!	#DIV/0!
14			0	0	#DIV/0!	#DIV/0!
15			0	0	#DIV/0!	#DIV/0!
16			0	0	#DIV/0!	#DIV/0!
17	982,105	211,039	1,193,144	829	82.31%	17.69%
18	707,791	66,410	774,201	538	91.42%	8.58%
19	1,052,179	29,875	1,082,054	751	97.24%	2.76%
20	803,773	27,428	831,201	577	96.70%	3.30%
21	19,373	32,368	51,741	36	37.44%	62.56%
22	65,179	38,714	103,893	72	62.74%	37.26%
23	92,267	51,395	143,662	100	64.23%	35.77%
24	674,206	47,230	721,436	501	93.45%	6.55%
25	1,000,271	31,053	1,031,324	716	96.99%	3.01%
26	852,468	30,952	883,420	613	96.50%	3.50%
27	518,078	57,238	575,316	400	90.05%	9.95%
28	356,609	88,994	445,603	309	80.03%	19.97%
29	600,949	23,435	624,384	434	96.25%	3.75%
30	709,199	48,252	757,451	526	93.63%	6.37%
31	635,307	77,628	712,935	495	89.11%	10.89%

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
9,069,754	862,011	9,931,765	460	91.32%	8.68%

95-9216



WATER SYSTEM CONSUMPTION

GOZZER RANCH

MONTH:

June, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1	635,307	77,628	712,935	495	89.11%	10.89%
2	747,489	98,826	846,315	588	88.32%	11.68%
3	875,593	32,422	908,015	631	96.43%	3.57%
4	305,243	141,012	446,255	310	68.40%	31.60%
5	6,218	58,820	65,038	45	9.56%	90.44%
6	7,040	61,438	68,478	48	10.28%	89.72%
7	6,431	62,016	68,447	48	9.40%	90.60%
8	12,084	106,112	118,196	82	10.22%	89.78%
9	10,555	85,571	96,126	67	10.98%	89.02%
10	5,884	39,814	45,698	32	12.88%	87.12%
11	11,557	101,201	112,758	78	10.25%	89.75%
12	26,025	129,309	155,334	108	16.75%	83.25%
13	354,833	93,682	448,515	311	79.11%	20.89%
14	568,839	123,823	692,662	481	82.12%	17.88%
15	391,688	109,457	501,145	348	78.16%	21.84%
16	334,139	104,370	438,509	305	76.20%	23.80%
17	5,861	39,583	45,444	32	12.90%	87.10%
18	172,817	124,534	297,351	206	58.12%	41.88%
19	615,291	112,410	727,701	505	84.55%	15.45%
20	734,886	115,170	850,056	590	86.45%	13.55%
21	272,447	131,028	403,475	280	67.53%	32.47%
22	801,778	125,019	926,797	644	86.51%	13.49%
23	776,588	110,252	886,840	616	87.57%	12.43%
24	449,145	53,847	502,992	349	89.29%	10.71%
25	893,395	135,010	1,028,405	714	86.87%	13.13%
26	942,886	157,258	1,100,144	764	85.71%	14.29%
27	1,032,949	161,304	1,194,253	829	86.49%	13.51%
28	972,407	153,928	1,126,335	782	86.33%	13.67%
29	935,809	161,326	1,097,135	762	85.30%	14.70%
30	1,139,013	97,648	1,236,661	859	92.10%	7.90%
31			0	0	#DIV/0!	#DIV/0!

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
14,044,197	3,103,818	17,148,015	397	81.90%	18.10%



95-9216
WATER SYSTEM CONSUMPTION
GOZZER RANCH

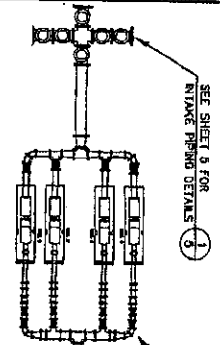
MONTH:

July, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1	421,163	78,220	499,383	347	84.34%	15.66%
2	700,133	163,577	863,710	600	81.06%	18.94%
3	852,379	151,799	1,004,178	697	84.88%	15.12%
4	999,637	153,533	1,153,170	801	86.69%	13.31%
5	979,652	162,808	1,142,460	793	85.75%	14.25%
6	997,715	145,035	1,142,750	794	87.31%	12.69%
7	972,028	147,838	1,119,866	778	86.80%	13.20%
8	1,033,284	86,034	1,119,318	777	92.31%	7.69%
9	968,168	154,966	1,123,134	780	86.20%	13.80%
10	932,256	200,174	1,132,430	786	82.32%	17.68%
11	931,775	194,077	1,125,852	782	82.76%	17.24%
12	956,168	168,479	1,124,647	781	85.02%	14.98%
13	967,737	161,789	1,129,526	784	85.68%	14.32%
14	974,226	153,683	1,127,909	783	86.37%	13.63%
15	1,015,172	97,002	1,112,174	772	91.28%	8.72%
16	914,845	191,283	1,106,128	768	82.71%	17.29%
17	917,932	193,349	1,111,281	772	82.60%	17.40%
18	924,156	194,833	1,118,989	777	82.59%	17.41%
19	563,425	131,744	695,169	483	81.05%	18.95%
20	435,612	174,172	609,784	423	71.44%	28.56%
21	95,549	102,770	198,319	138	48.18%	51.82%
22	764,895	83,178	848,073	589	90.19%	9.81%
23	954,547	168,797	1,123,344	780	84.97%	15.03%
24	786,426	166,726	953,152	662	82.51%	17.49%
25	929,868	172,971	1,102,839	766	84.32%	15.68%
26	523,363	171,505	694,868	483	75.32%	24.68%
27	877,319	168,965	1,046,284	727	83.85%	16.15%
28	1,000,877	157,966	1,158,843	805	86.37%	13.63%
29	1,078,835	84,857	1,163,692	808	92.71%	7.29%
30	946,645	175,978	1,122,623	780	84.32%	15.68%
31	867,566	190,191	1,057,757	735	82.02%	17.98%

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
28,283,353	4,748,299	31,031,652	695	84.70%	15.30%

95-9216



COEUR D'ALENE LAKE

12" RESTRAINED JOINT PUCITE C. 350

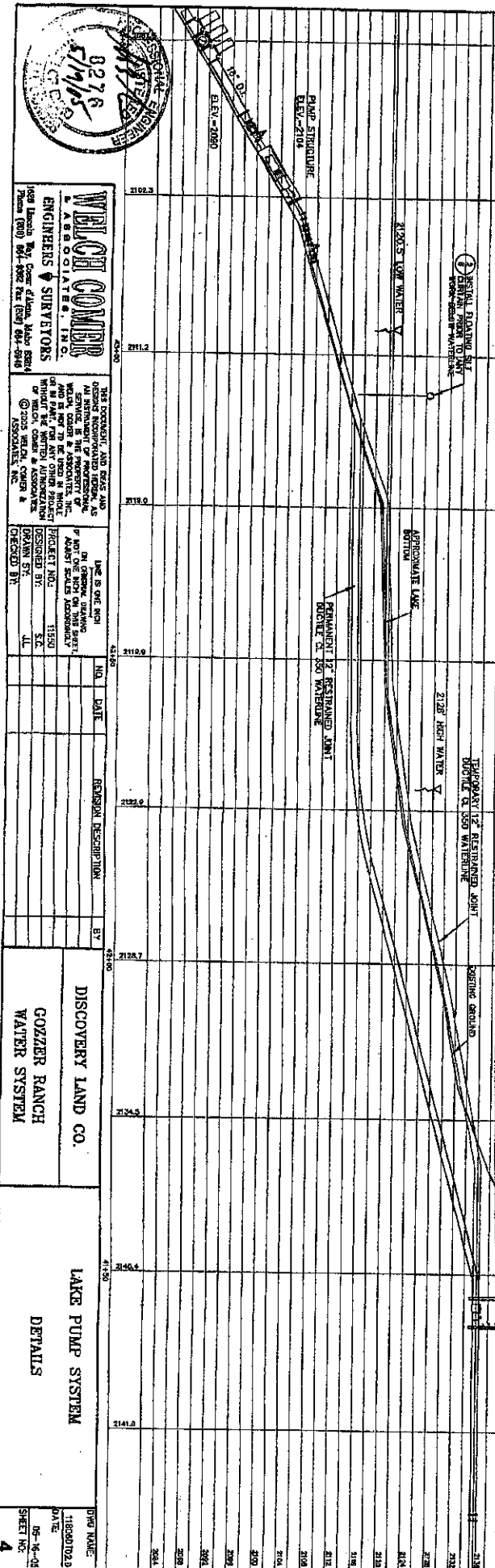
95-9216

SILT FENCE

SEE SHEET 5 FOR DETAILS
STA. 41+00
12" RIVET EXISTING
12" RAIN WATER LINE
WITH TRUSST BLOCK

WELL SPECIFICATION TABLE

WELL	MODEL	THD	DESIGN	HP	MOTOR OD	SHROUD ID	WELL CASING (IN)	RISER PIPE / CHECK VALVE DIAM. (IN)	PUMP DIAM. (IN)
1	150S200-9	410'	100 gpm	20	5.38"	6"	10"	4"	6"
2	47SS600-7	430'	450 gpm	60	5.4"	8"	14"	6"	8"
3	47SS600-7	430'	450 gpm	80	5.4"	8"	14"	6"	8"
4	230S300-9	410'	200 gpm	30	5.4"	8"	10"	4"	6"



WELCH CORNER
ASSOCIATES, INC.
ENGINEERS & SURVEYORS
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Phone (208) 764-6982 Fax (208) 764-6916

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DATE OF CONTRACT AND DESIGN: 08/30/07
DATE OF FIELD SURVEY: 08/30/07
DATE OF PUMP INSTALLATION: 08/30/07
DATE OF WELL INSTALLATION: 08/30/07
DATE OF WELL COMPLETION: 08/30/07
DATE OF WELL TESTING: 08/30/07
DATE OF WELL ABANDONMENT: 08/30/07
DATE OF WELL REPAIR: 08/30/07
DATE OF WELL REMOVAL: 08/30/07

NO. DATE REMARK DESCRIPTION BY

DISCOVERY LAND CO.
GOZZER RANCH
WATER SYSTEM

LAKE PUMP SYSTEM
DETAILS

DWG NO. 118820102.9
DATE 08-16-05
SHEET NO. 4

PERFORMANCE CURVES

150 GPM

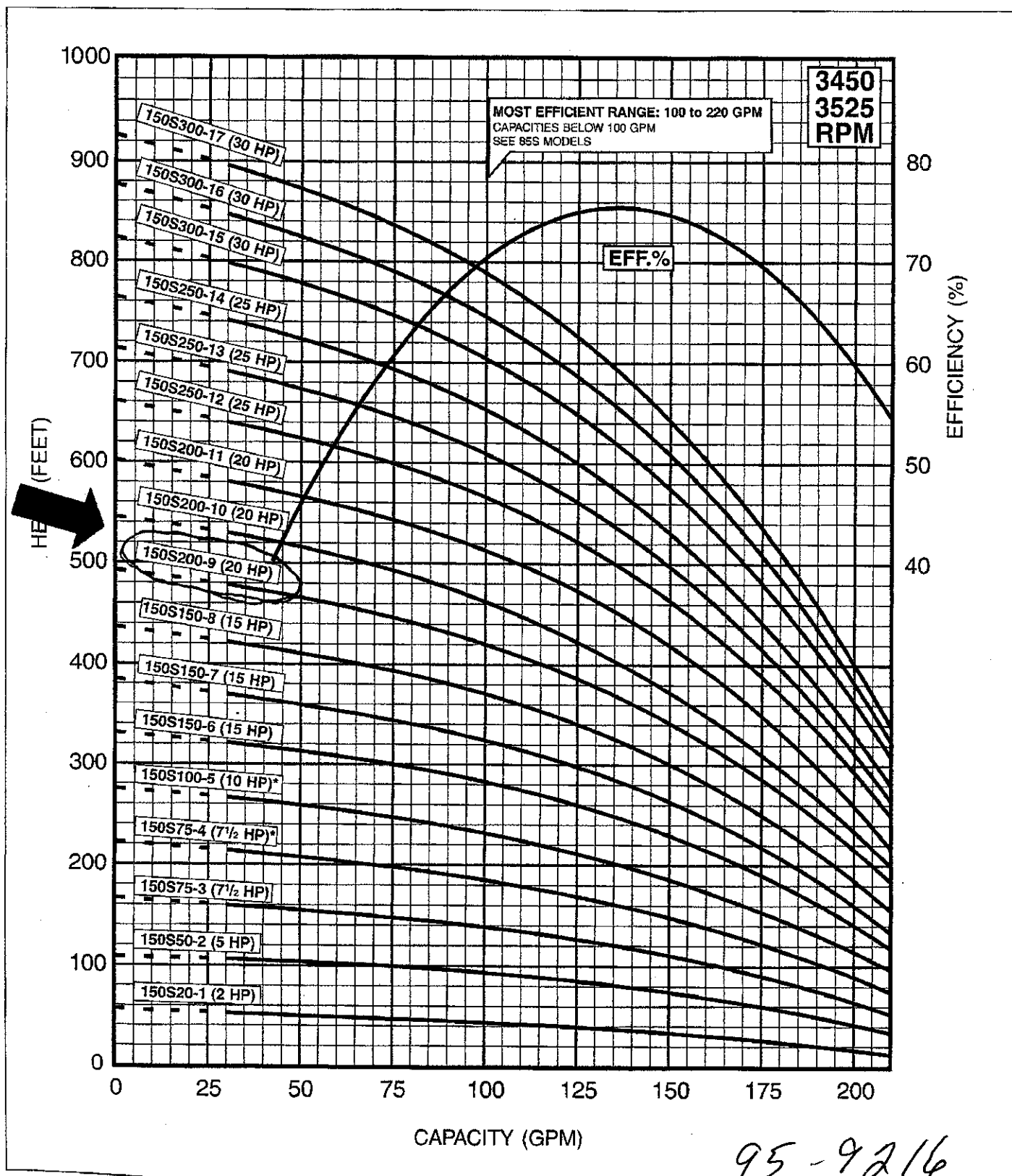
95-9216

MODEL 150S

FLOW RANGE: 30 -220 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 2-10 HP/3450 RPM

6" MOTOR STANDARD, 7.5-60 HP/3450 RPM.

8" MOTOR STANDARD, 75 HP/3525 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

PERFORMANCE CURVES

230 GPM

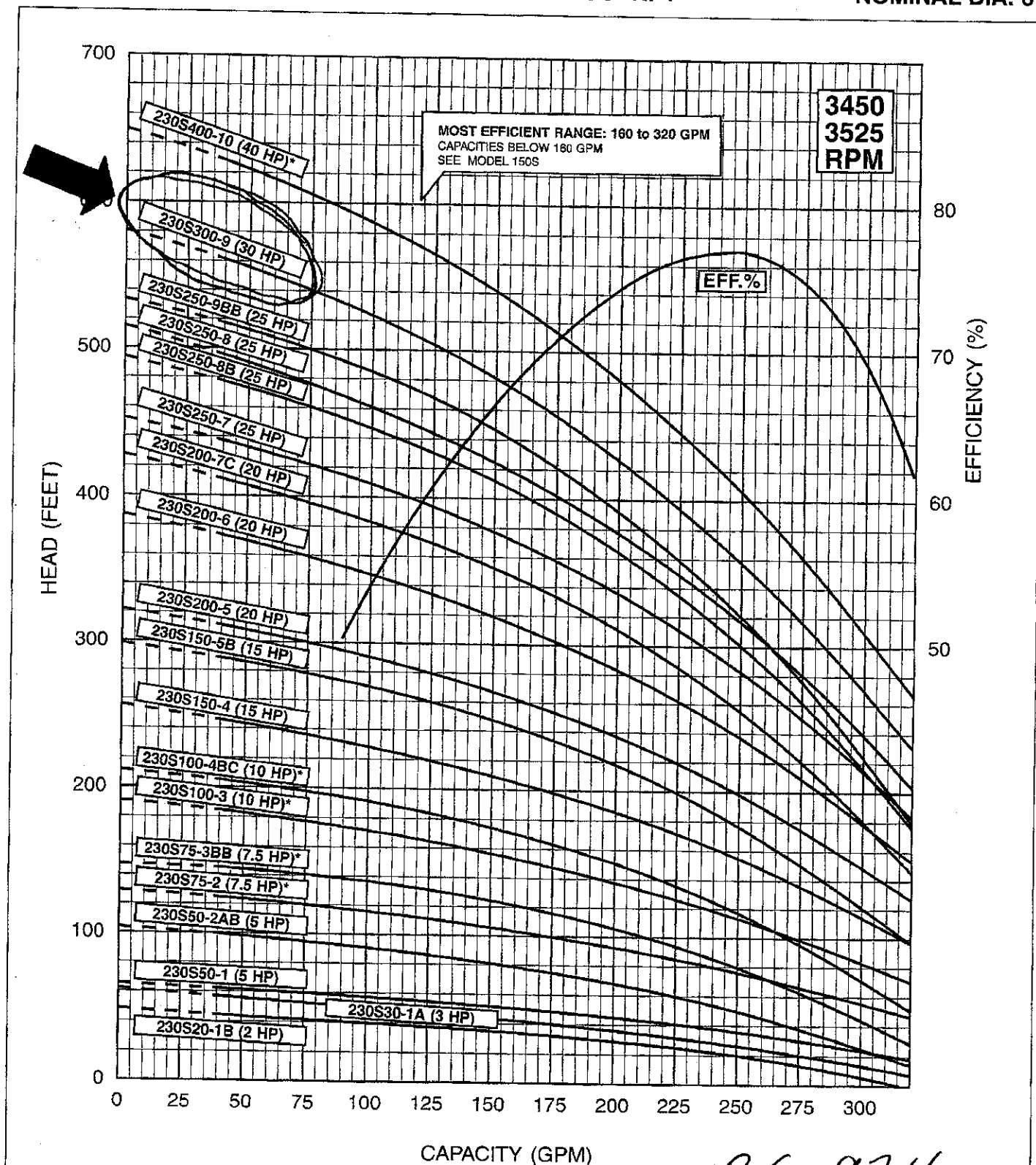
95-9216

MODEL 230S

FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 7.5 HP/3450 RPM

6" MOTOR STANDARD, 10-60 HP/3450 RPM.

8" MOTOR STANDARD, 75 HP/3525 RPM.

* Alternate motor sizes available.

95-9216

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

PERFORMANCE CURVES

475 GPM

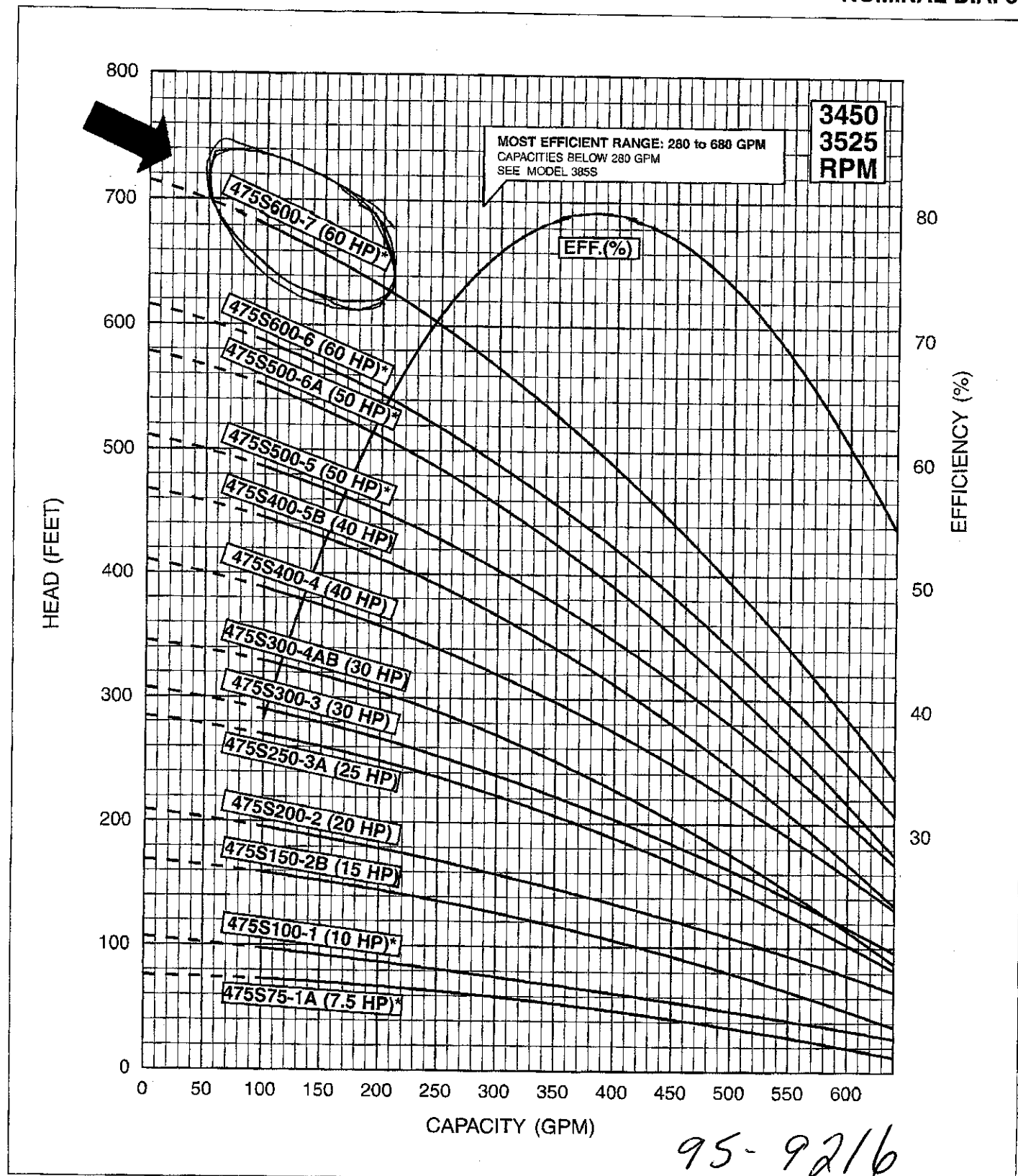
95-9216

MODEL 475S

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 8"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

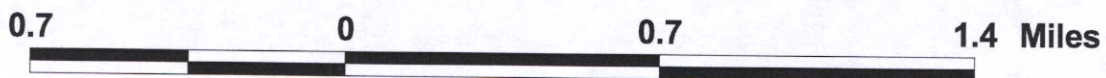
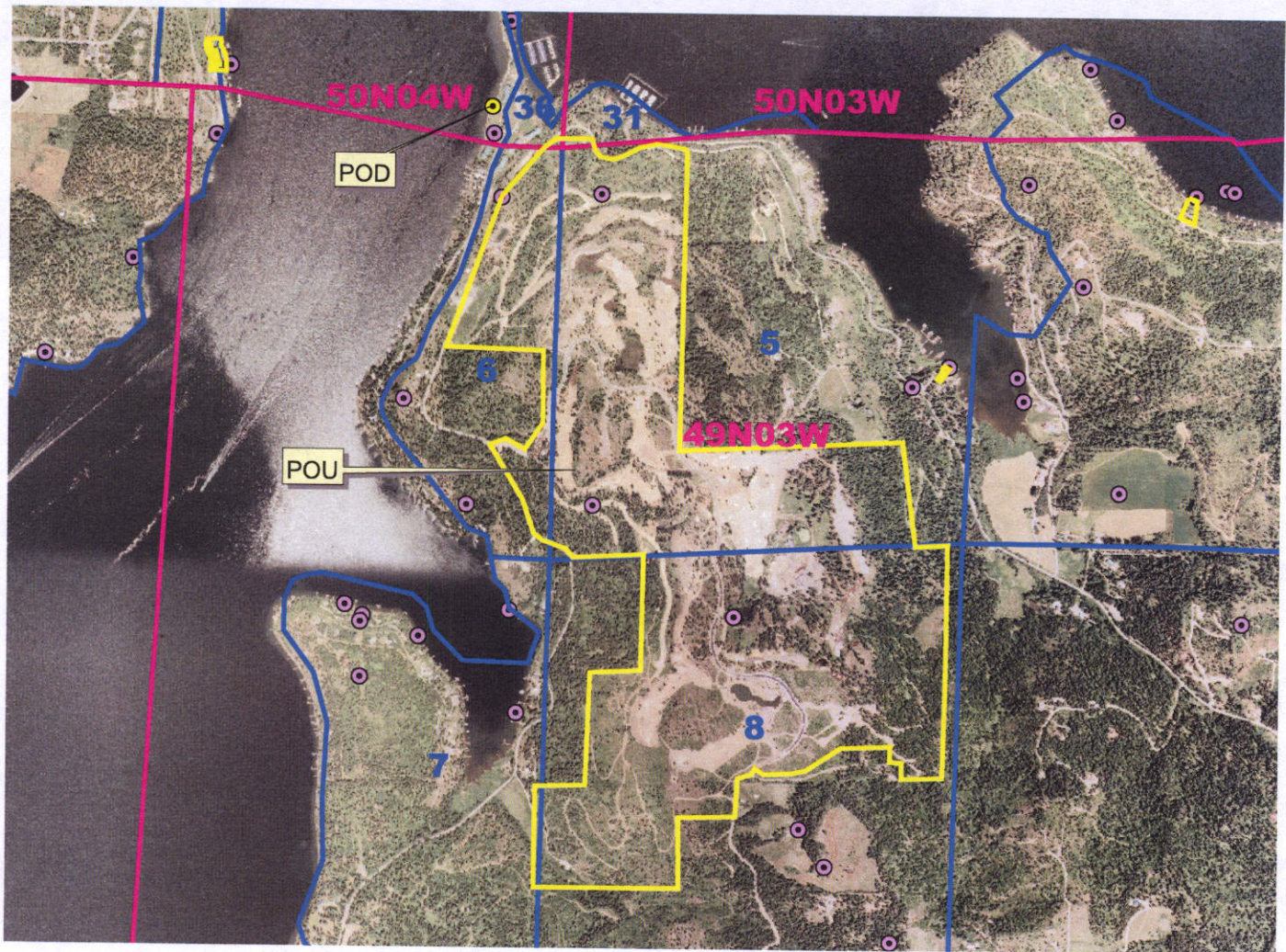
6" MOTOR STANDARD, 10-60 HP/3450 RPM.

8" MOTOR STANDARD, 75-125 HP/3525 RPM.

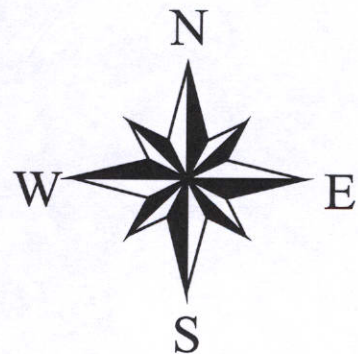
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

95-9216



-  Pou.shp
-  Township/Range
-  Sections
-  Right POD





POINT OF DIVERSION



PUMP CONTROL PANEL

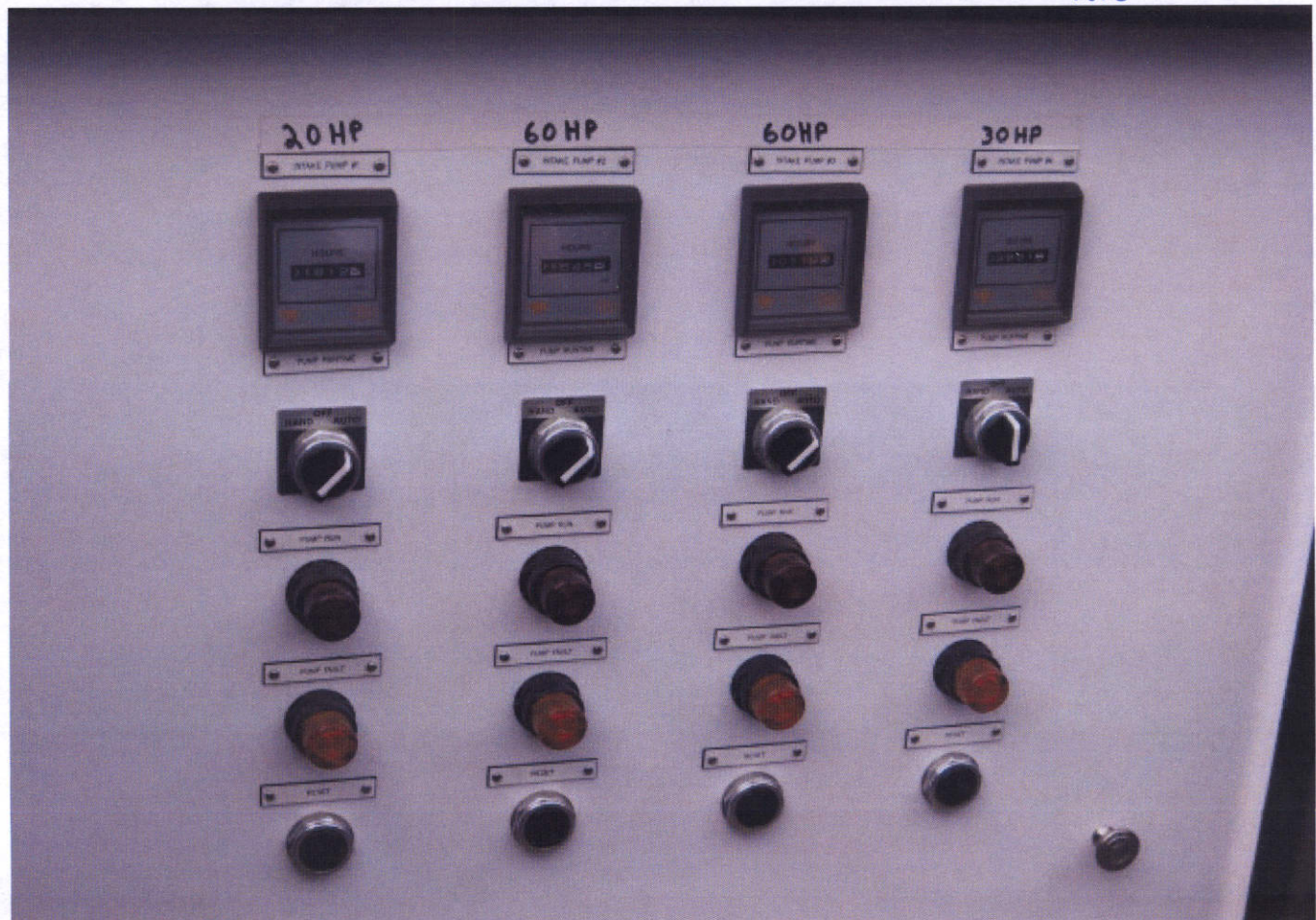


SYSTEM CLEAN OUT

95-9216



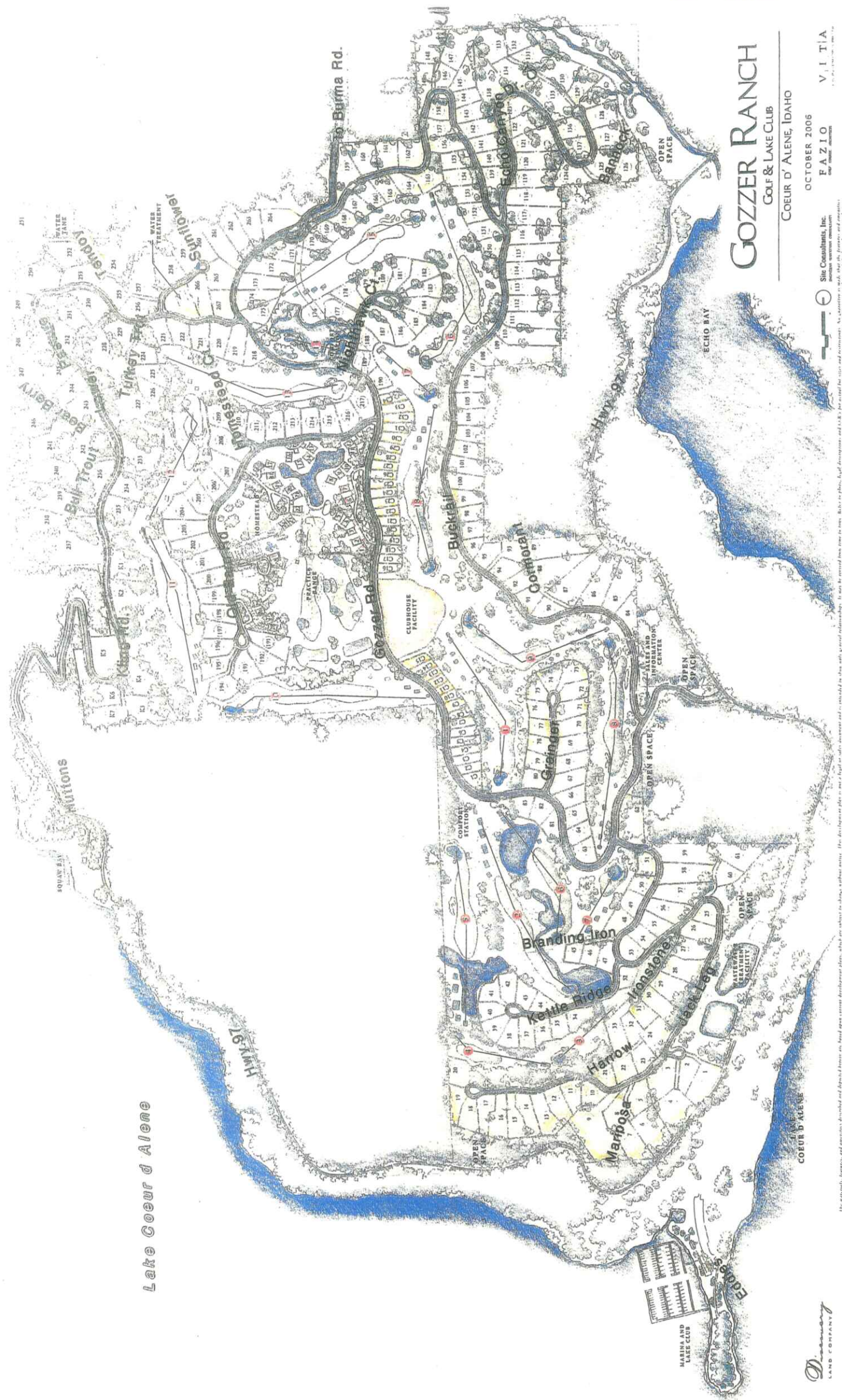
95-9216





95-9113

95-9216



GOZZER RANCH

GOLF & LAKE CLUB

COEUR D'ALENE, IDAHO

OCTOBER 2006

V.I.T.A.

FAZIO

Site Consultants, Inc.

This map, including all annotations, is based upon current development plans, which are subject to change without notice. This development plan is not a legal document and is not intended to be used as such. It is intended to be used as a guide only. The information contained herein is not intended to be used as a basis for any legal action. The information contained herein is not intended to be used as a basis for any legal action. The information contained herein is not intended to be used as a basis for any legal action.

Drumwright
LAND COMPANY