Form 219
6/92

RECEIVED
JUL 0 6 1998
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 95-08572

1. Owner: Jacklin Seed Company Phone No. (208) 773-7581

Current Address: W. 5300 Riverbend Ave. Post Falls, Id. 83854

2. Accompanied by: Gene Kicha EXAM DATE: 10-17-96

Address: Same Phone No. (208) 773-7581

Relationship to Permit Holder: Company Representative

3. Source: Groundwater tributary to

B. OVERLAP REVIEW

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

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

C. DIVERSION AND DELIVERY SYSTEM

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

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
Well #1			SW	SE	06	50N	5W	Kootenai	USGS 7.5' Quad, Plat Map, Aerial Photo, metsker
Well #2			SE	SE	06	50N	5W	Kootenai	USGS 7.5' Quad, Plat Map, Aerial Photo, metsker

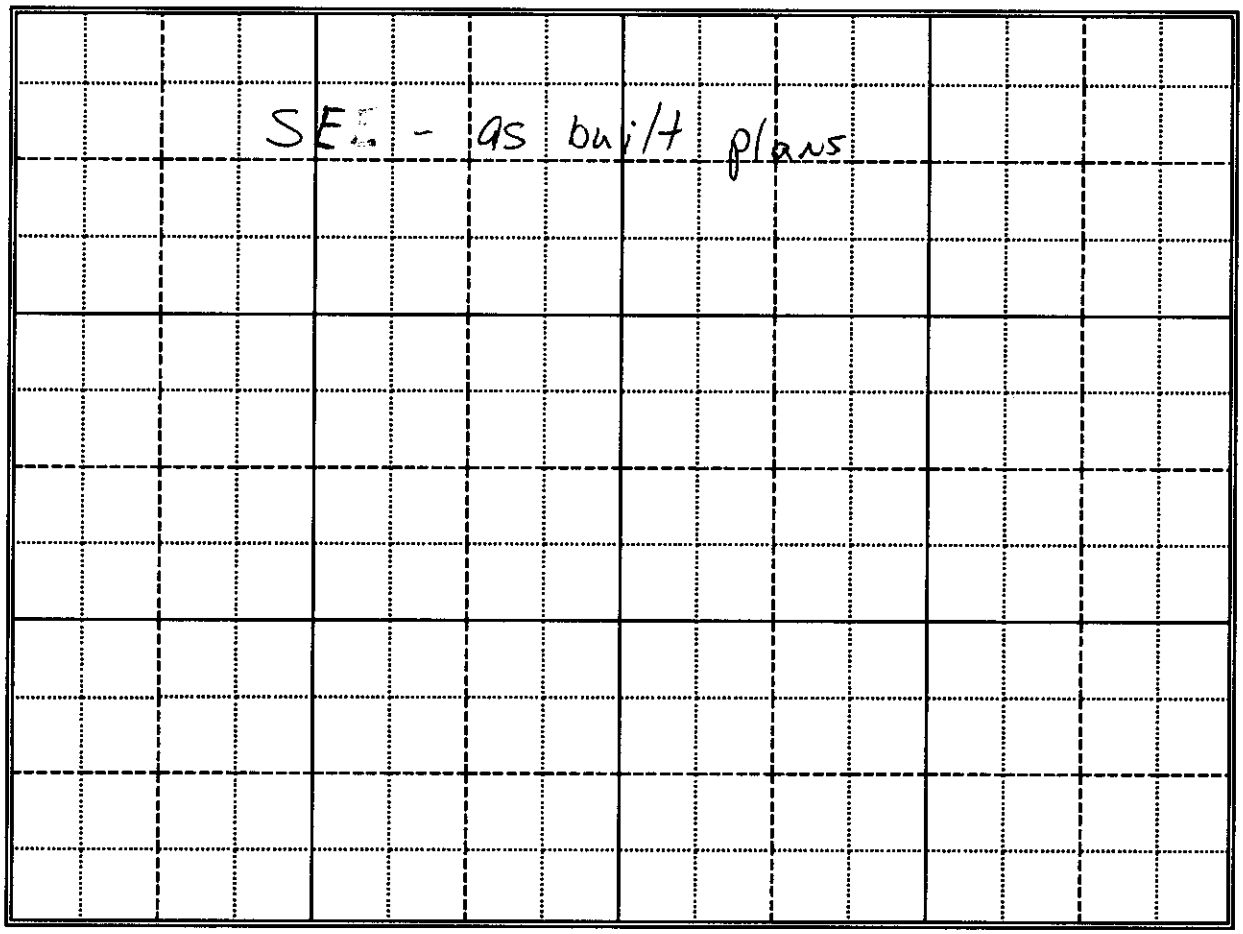
metsker

2. **Place(s) of Use:** Indicate Method of Determination USGS 7.5' Quad, Aerial Photo

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	5W	06															2	2	4.0
50N	5W	07	10	10	08-8	08-8	08-5	08-5											46.0
50N	5W	07					08-5												
50N	5W	06															I,C	I,C	
50N	5W	07	I,C	I,C	I,C	I,C	I,C	I,C											

Total 50.0 acres

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



Scale: 1" = _____.

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

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

✓ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well # 1		20		Submersible	4"
Well # 2		20		Submersible	6"

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
#1 McCrometer	INLINE				4"	
#2 McCrometer	INLINE			91-6-416	6"	

2. **Measurements:** Theoretical Calculation:

Flowmeter Readings: Well # 1 = 260 gpm; Well #2 = 260 gpm. Both taken 10-17-96

E. NARRATIVE/REMARKS/COMMENTS

System consists of 2 wells, each have a 20 Hp submersible pump. Water is stored in Two (2) 30,000 gallon reservoirs.

Well # 1 provides water to a buried reservoir that is approximately 1300 Ft. Southwest of said well location. Well # 2 pumps water to a buried Concrete reservoir that is located adjacent to this well and directly below pump house # 2.

Both wells have McCrometer Flowmeters installed at the P.O.D.

Each reservoir supplys water throughout the system using (2) 25 Hp booster pumps. Each pump house contain over 20 pressure tanks enabling this system to operate from 50 - 70 psi.

Water uses are; Industrial, Irrigation, Commercial and Stock. Irrigation is used for landscape (lawns) of the service area of Riverbend Water Association... Jacklin SEED Company.

Over 80 businesses are being serviced by the Riverbend Water Association.

I recommend that the point of diversion and place of use (as shown) be amended to show the correct locations. This exam was initiated by Herman Spangle in 1996

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

F. FLOW CALCULATIONS

✓ Additional Computation Sheets Attached

Measured Method:

See Theoretical Calculation

Well #1 - 260 gpm

Well #2 - 260 gpm = 520 gpm or 1.16 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = 50 acres x 3.5 af/acre/season = 175 afa

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = 1.16 cfs x 245 days x 1.9835 = 563.7 afa

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 175 afa

2. Volume Calculations for Other Uses:

Commercial Use - $\frac{1.16 \times 1.98 \times 365}{2}$ = 419.2 afa

Industrial Use - $\frac{1.16 \times 1.98 \times 260}{2}$ = 298.6 afa

Stock -- .04 x 1.98 x 365 = 28.9 afa

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Irrigation	03/15	11/15	1.16	175
Industrial	01/01	12/31	1.16	299
Commercial	01/01	12/31	1.16	419
Stock	01/01	12/31	.04	29
		Totals:	1.16	922

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 David M. Patel Date July 1, 1998

Reviewer _____ Date _____ SEAL

W. 6300 Riverbend Avenue
Post Falls, ID 83854
208-773-8745
208-773-4846 Fax

Riverbend Water Company

Fax

To: Herman Spangle **From:** Pat Leffel

Fax: 769-1454 **Pages:** 4

Phone: **Date:** December 5, 1996

Re: Year End Totals **cc:** Gene Kicha

☐ Urgent ☑ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• **Comments:** Year end totals 1994, 1995 and 1996 through November. Please call if you have any question.

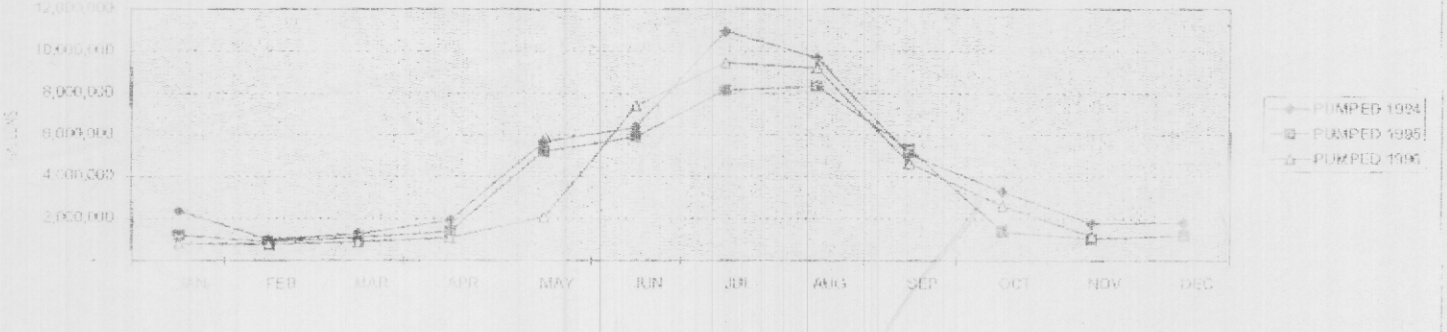
RIVERBEND WATER COMPANY

TOTAL 1994-95-96 WATER PUMPED/SOLD

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
PUMPED	1994	2,363,300	1,013,975	1,275,200	1,907,900	5,662,225	8,378,425	10,098,950	9,083,350	5,057,900	3,286,375	1,766,550	1,756,150	51,145,800
PUMPED	1995	1,208,850	900,075	1,106,900	1,377,025	5,205,900	5,904,420	8,149,725	6,332,025	5,325,850	1,378,175	1,049,725	1,213,225	41,144,895
PUMPED	1996	818,600	778,800	890,650	1,085,025	2,064,850	7,399,175	9,863,625	9,197,300	1,644,300	2,597,450	1,450,025		40,089,800
SOLD	1994	845,530	923,190	1,080,430	1,720,990	5,697,130	5,908,420	8,871,560	10,723,740	5,202,400	3,486,530	1,717,200	1,729,200	48,430,820
SOLD	1995	1,032,640	909,060	1,113,130	1,197,410	5,741,570	6,330,580	7,524,230	7,795,850	5,276,990	1,175,090	926,630	991,440	40,110,060
SOLD	1996	951,300	529,310	530,360	914,410	1,745,520	7,226,301	9,794,302	8,791,736	4,013,319	2,199,856	763,467		37,449,879
UNACCOUNTED														
	1994	(1,507,470)	(90,785)	(194,770)	(186,910)	34,905	(474,005)	(1,568,390)	1,040,390	144,500	198,155	(51,350)	(89,450)	(2,715,180)
	1995	(176,210)	9,015	6,230	(180,615)	534,670	532,440	(625,495)	(536,175)	(48,860)	(180,525)	(123,695)	(221,815)	(1,038,035)
	1996	132,700	(249,490)	(360,290)	(170,615)	(319,330)	(172,674)	320,077	(405,566)	(630,981)	(397,594)	(386,558)		(2,630,921)

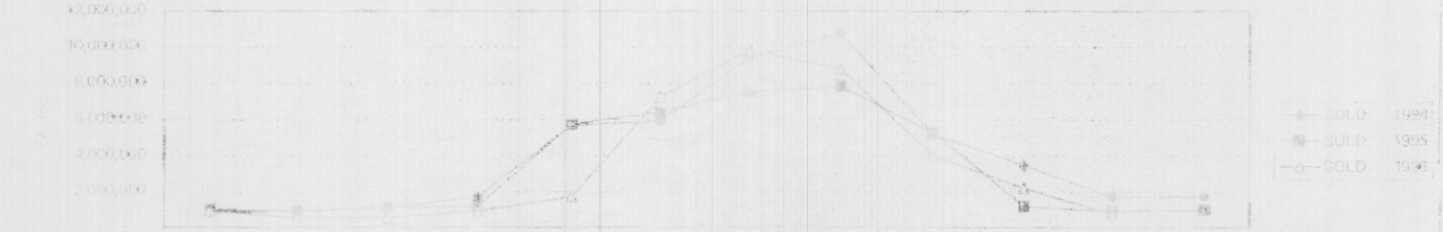
156.96 ACFT
126.28 ACFT.
123.03 ACFT

TOTAL GALLONS PUMPED EACH MONTH 1994/95



AUG Y-T-D
39,204,325
32,185,920
31,698,025

TOTAL GALLONS SOLD BY MONTH 1994/95



AUG Y-T-D
36,297,290
31,740,780
30,473,237

EXCEL/PUMPED *DATE MTR. READ - IF AFTER NO. END WILL SHOW MORE SOLD THAN PUMPED

DEC 05 '96 02:36AM JACKLIN SEED CO.

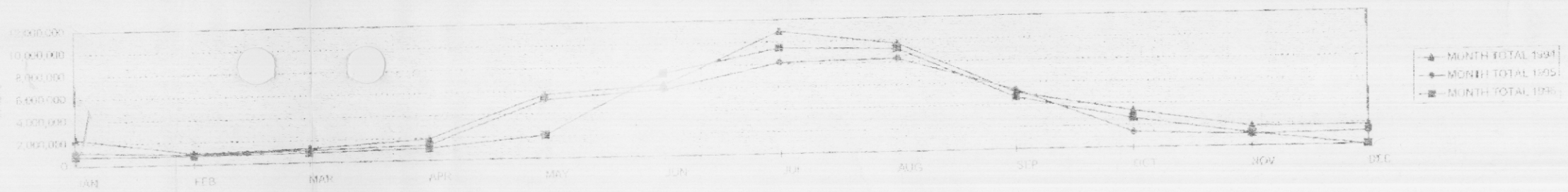
TOTAL 1994-95-96

RIVERBEND WATER CO.

WATER PUMPED

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WELL GALLONS PUMPED BY WELL BY MONTH														
WELL 1	1994	1,074,400	489,800	614,000	926,300	2,536,000	2,642,900	4,834,700	4,263,700	1,919,000	1,096,300	786,100	820,200	22,344,300
WELL 1	1995	548,900	550,100	693,700	698,000	2,213,500	2,449,400	3,394,500	3,461,600	2,185,900	574,000	489,700	554200	17,237,400
WELL 1	1996	366,500	550,100	409,300	496,800	937,000	3,371,900	4,154,900	4,151,600	2,052,000	1,162,400	531,800		17,984,300
WELL 2	1994	1,278,900	524,175	661,200	981,800	3,126,225	3,735,525	6,125,250	5,419,650	3,108,000	1,890,075	972,450	978,450	28,801,500
WELL 2	1995	661,950	624,375	613,200	779,025	2,993,400	3,496,050	4,755,225	4,870,425	3,139,950	790,275	560,025	659025	23,951,925
WELL 2	1996	452,100	428,700	481,350	588,225	1,127,850	4,027,275	5,308,725	5,045,700	2,592,300	1,435,050	618,225		22,105,500
TOTAL GAL PUMPED														
MONTH TOTAL 1994		2,353,300	1,013,975	1,275,200	1,907,900	5,662,225	6,378,425	10,959,950	9,683,350	5,027,000	3,286,375	1,758,550	1,798,650	51,145,800
MONTH TOTAL 1995		1,208,850	889,475	1,106,900	1,377,025	5,206,900	5,945,450	8,149,725	8,332,025	5,325,850	1,374,175	1,049,725	1,213,225	41,189,325
MONTH TOTAL 1996		818,600	778,800	890,650	1,085,025	2,064,850	7,399,175	9,463,625	9,197,300	4,644,300	2,597,450	1,150,025		40,089,800
1995/1996 + or - for mo.		-390,250	-110,675	-216,250	-292,000	-3,142,050	1,453,725	1,313,900	865,275	-681,550	1,223,275	100,300		
Y - T - D		-390,250	-510,925	-727,175	-1,019,175	-4,161,225	-2,707,500	-1,393,600	-528,325	1,209,875	13,400	113,700		

GALLONS PUMPED BY MONTH 1994-95-96



FOR SALE BY

METSKER MAPS

111 SOUTH 10TH ST. TACOMA, WASHINGTON
1020 THIRD AVE. SEATTLE, WASHINGTON

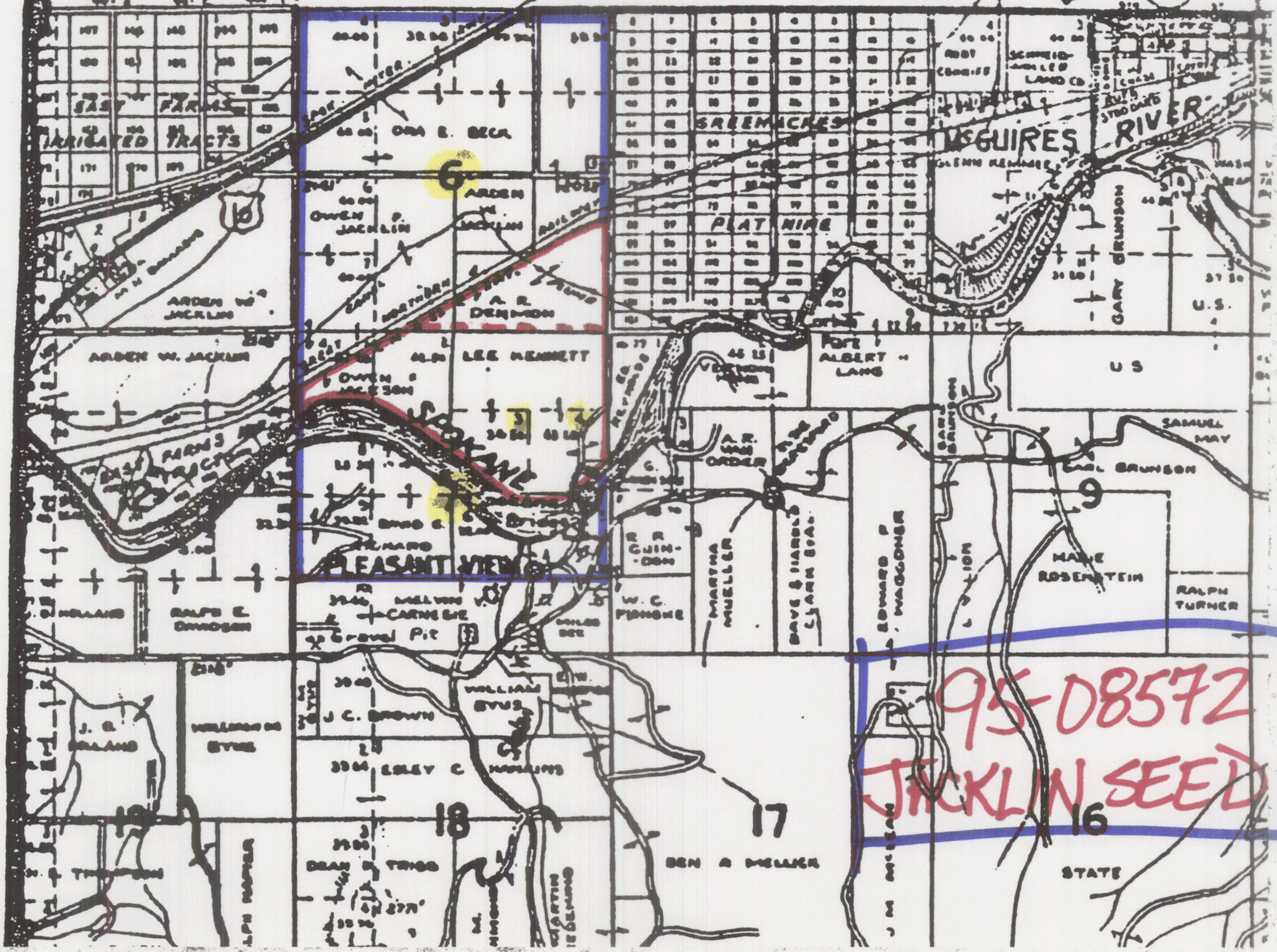
TOWNSHIP 50 N

KOOTENAI C

T. 50N., R. 05W.

R.6 W. | R.5 W.

10 39



95-08572

JACKLIN SEED


P.U.
DENOTES PLACE OF USE
Well #2
Reservoir #2
Well #3
Reservoir #1
T 51 N
T 50 N
PRAIRIE
East Farms
State Line Village
Spokane Bridge
Pleasant View
Sandpit
Abandoned Bridge
Mile 98
Mile 99
Gravel Pit
Borrow Pit
Racetrack
Interstate
INTERNATIONAL
JACKLIN ROAD
STATE LINE ROAD
PLEASANT VIEW ROAD
RICHARDS ROAD
HOLLAND ROAD
CARPENTER LOOP
MILL CREEK
WILBER RD
SPOKANE RIVER
ST PAUL AND PACIFIC
IDAHO
WASHINGTON IDAHO
Skalan
T. 50 N., R. 05 W. Sec. 6 W. 7
Jacklin Seed
95-08572

STATE OF IDAHO
DEPARTMENT OF WATER
D REPORT SUPP
OTOGRA

PERMIT #

PLACE OF USE



Place of use



Place of use

STATE OF IDAHO
DEPARTMENT OF WATER
REPORT SUPP
OTOGRA







Flowmeter @ 260 gpm



Reservior Cover

Piping and Tank in Pump House #2

Pump House #2





STATE OF IDAHO
ENT OF WATER
D REPORT SUPE
O T O G R A

PERMIT # 95-08572

PERMIT # 95-085572

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL REPORT SUPPLEMENT

PHOTOGRAPHS



Well #1



Pump House #1 Interior



Pump House #1 Exterior
Below Ground Level Fittings



THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 95-08572
DATE: 23-OCT-96
COMPLETE BY: HERMAN

HORSEPOWER = 20

PUMP EFFICIENCY = 75%

DYNAMIC LIFT = 130 FEET

SYSTEM PRESSURE = 50 PSI

QUANITY = 0.54 CFS

THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 95-08572
DATE: 18-OCT-96
COMPLETE BY: HERMAN

HORSEPOWER = 20

PUMP EFFICIENCY = 70%

DYNAMIC LIFT = 100 FEET

SYSTEM PRESSURE = 50 PSI

QUANITY = 0.57 CFS

NOTES FROM PERMIT

2 ACRES

WELL #2 E
RESERVOIR

WELL #1

RESERVOIR #1

SAC IND

ISAC IND

SAC END

12 7 6 5

7 8

R6W R5W

T.5 O N., R. 05 W., Sec. 6 & 7

Jacklin Seed Company

Tract 0372

RIVERBEND COMMERCE PARK PHASE III

IN SEC. 7, AND IN
A PORTION OF THE SOUTHEAST 1/4 SEC. 6, T.50N., R.5W., B.M.
CITY OF POST FALLS, KOOTENAI COUNTY, IDAHO

95-0857Z
JACKLIN SEED

COEUR D'ALENE GREYHOUND PARK

NE 1/4 NW 1/4 SEC 7

SW 1/4 SE 1/4 6
1/4 CORNER

NW 1/4 NE 1/4 7

SPOKANE RIVER

DETAIL A
NTS

BLOCK ONE

BLOCK TWO

BLOCK THREE

BLOCK FOUR

BLOCK FIVE

BLOCK SIX

BLOCK SEVEN

CLEARWATER LOOP

LOCHSA STREET

ST. JOE AVENUE

SELTICE WAY

MOYIE STREET

8' UTILITIES EASEMENT

10' EASEMENT

20' EASEMENT

20' UTILITIES EASEMENT

RES #1 (WEST LOT)

WELL #1 (EAST LOT)

WELL #2 (EAST LOT)

RIVERBEND COMMERCE PARK PHASE II BLOCK 1

RIVERBEND COMMERCE PARK PHASE III BLOCK 2 BLOCK 3 BLOCK 4 BLOCK 5 BLOCK 6

UNPLATTED

SECTION 7 SOUTH 500 WEST

SECTION 6 SOUTH 500 WEST

0 50 100 200 300
SCALE IN FEET

LEGEND

- GOVERNMENT CORNERS AS NOTED
- 5/8" x 30" REBAR WITH 2" ALUMINUM CAP MARKED (T.P.O.B. – RIVERBEND PHASE III) – SET IN 6"DIA. x 24" DEEP CONCRETE.
- 5/8" REBAR FOUND–MARKED LePARD & FRAME
- 5/8" x 30" REBAR WITH PVC CAP MARKED "LePARD & FRAME" – SET AT EXTERIOR POINTS WITH CHANGE IN DIRECTION
- 5/8" x 24" REBAR SET WITH PVC CAP
- 1/2" REBAR FOUND–MARKED LePARD & FRAME
- 1/2" x 24" REBAR WITH PVC CAP MARKED "LePARD & FRAME" – SET

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
C1	39°50'35"	163.15	113.45	111.18	59.13	S 48°10'18" E
C2	2°29'17"	646.00	253.55	251.93	128.43	N 14°47'21" W
C3	33°25'26"	223.15	130.17	128.34	67.00	S 51°22'51" E
C4	39°50'35"	245.92	171.01	167.59	89.13	N 48°10'18" W
C5	39°50'35"	305.92	212.74	208.48	110.87	N 48°10'18" W
C6	23°11'33"	445.00	180.13	178.90	91.32	S 50°09'13" W
C7	3°33'27"	445.00	27.63	27.63	13.82	S 36°46'44" W
C8	6°03'23"	630.00	66.60	66.56	33.33	S 31°58'17" W
C9	11°22'06"	630.00	125.00	124.80	62.71	S 23°15'34" W
C10	11°22'06"	630.00	125.00	124.80	62.71	S 11°53'28" W
C11	6°12'25"	630.00	68.25	68.22	34.16	S 03°06'13" W
C12	8°40'44"	970.00	146.93	146.79	73.61	N 04°20'22" E
C13	11°03'06"	970.00	187.10	186.81	93.84	N 14°12'17" E
C14	9°16'10"	970.00	156.93	156.76	78.64	N 24°21'56" E
C15	12°26'56"	201.99	43.89	43.80	22.03	S 67°58'44" W
C16	5°27'33"	141.99	13.53	13.52	6.77	S 64°29'37" W
C17	22°11'40"	706.00	273.48	271.78	138.48	N 17°09'12" W
C18	6°03'20"	706.00	74.62	74.58	37.34	N 03°01'34" W
C19	3°32'41"	646.00	39.97	39.96	19.99	N 01°46'09" W
C20	30°09'20"	570.00	300.00	296.55	153.56	S 15°04'40" W
C21	4°50'40"	570.00	48.19	48.18	24.11	S 32°34'38" W
C22	21°20'47"	385.00	143.44	142.61	72.56	S 45°40'23" W
C23	5°24'13"	385.00	36.31	36.30	18.17	S 59°02'54" W
C24	6°06'34"	1030.00	109.83	109.78	54.97	N 03°03'17" E
C25	6°57'12"	1030.00	125.00	124.92	62.58	N 09°35'10" E
C26	6°57'12"	1030.00	125.00	124.92	62.58	N 16°32'22" E
C27	6°57'12"	1030.00	125.00	124.92	62.58	N 23°29'34" E
C28	2°01'50"	1030.00	36.50	36.50	18.25	N 27°59'12" E
C29	61°00'00"	290.00	308.75	294.37	170.82	S 30°30'00" E
C30	17°30'58"	350.00	107.00	106.58	53.92	S 08°45'22" E
C31	25°22'26"	350.00	155.00	153.74	78.79	S 30°12'11" E
C32	18°06'36"	350.00	110.63	110.17	55.78	S 51°56'42" E
C33	2°13'02"	646.00	25.00	25.00	12.50	N 27°08'29" W

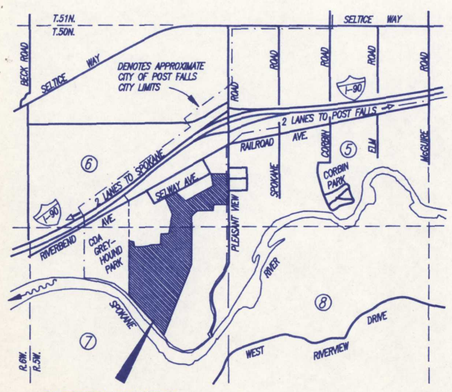
(USED THIS SURVEY) FOUND 3/4" IRON PIPE, AS PER VAN E. JACOBSEN, RLS #1035, UNRECORDED SURVEY OF 7-18-80. SAID 3/4" IRON PIPE LIES S. 76°02" W., 3.09' FROM 2.1/2" BRASS CAP.

3/4" IRON PIPE PERPUATED AND RECORDED.
R.P.S.: S. 89° E., 28.09' TO NAIL & DISC IN N. FACE FENCE POST (RLS 818)
N. 87° W., 27.20' TO NAIL & DISC IN S.E. FACE POWER POLE.
S. 04° W., 408.49' TO NAIL & DISC IN N.E. FACE POWER POLE.
N. 24° W., 190.68' TO NAIL & DISC IN S.E. FACE POWER POLE.

(NOT USED THIS SURVEY) ALSO: FOUND 2.1/2" BRASS CAP IN 9" CASING MARKED "DALTON GARDENS MONUMENT", CAP MARKED AS CORNER COMMON TO SECTIONS 5,6,7, & 8, T.50N., R5W., B.M. CORNER PERPETUATED AND FILED APRIL 19, 1976. BY ROBERT W. AVON, RLS #818.

BASIS OF BEARING –
STATE PLANE COORDINATE SYSTEM

FOUND 3" BRASS CAP, 2.1/2" BELOW SURFACE OF SELTICE WAY AT ITS INTERSECTION WITH PLEASEANT VIEW ROAD. – CORNER PERPETUATED AND FILED APRIL 19, 1976 BY ROBERT W. AVON, RLS #818.



RIVERBEND COMMERCE PARK PHASE III

VICINITY MAP
N.T.S.

RIVERBEND COMMERCE PARK PHASE III			
SCALE: 1"=200'	6&7-50N-5W P175PH3	DRAWN BY: DWJ	
DATE: JAN. 92		REVISED:	

FRAME & SMETANA
Consulting Engineers
Coeur d'Alene, Idaho
208-664-2121

SHEET 1 OF 3
FS

NOTE :
REFER TO SHEET 3 OF 9 FOR PHASE I WATER DISTRIBUTION AS-BUILT DETAILS

I-90 R/W

PHASE I

COEUR D' ALENE GREYHOUND PARK

JACKLIN SEED CO.

BURIED POWER & TEL. SERVICE TO PUMPHOUSE

INSTALL 450'± OF 14" FIRE LINE & FOUR 45° ELS. AS REQUIRED TO PUMPHOUSE

(A.B.) 6

SEE SHEET 3 FOR CONSTRUCTION DETAIL ACROSS COEUR D'ALENE GREYHOUND RACING FACILITY PROPERTY.

EXISTING 6" CL 160 PVC

EXISTING 10" FIRE LINE

CONNECT TO EXISTING FIRE LINE (SEE DETAIL BELOW)

EXISTING 750,000 GALLON FIRE POND

EXISTING FIRE PUMPHOUSE

EXISTING 14" DUCTILE IRON PIPE (FIRE)

SALES OFFICE

(A.B.) 3" TO GREENHOUSE

MAINTENANCE

(A.B.) 6" PVC TIED TO EXISTING PIPING SEE SHEET 5 OF 9 FOR (A.B.) DETAILS

6" FLG. TEE WITH 8"x6" REDUCER SOUTH. 6" GATE VALVE EAST & 10" FLG. C.I. TEE WITH 10"x8" REDUCER & GATE VALVE ON WEST RUN.

6" CL160 PVC WEST.

JACKSON AVENUE

310'± 8" CL 150 C-900 PVC FIRE LINE

8" FLG. C.I. TEE WITH 8" GATE VALVE NORTH & EAST & 10"x8" REDUCER TO EAST. CONNECT TO EXISTING LINE.

EXISTING IRRIGATION PUMPHOUSE

DISCONNECT EXISTING FIRE HYDRANT FROM EXISTING DOMESTIC LINE AND CONNECT TO FIRE LINE

540'± 6" CL 160 PVC

540'± 8" CL 150 C-900 PVC FIRE LINE

12"x8" C.I. TEE FLG x M.J. WITH 8" FLG. x M.J. GATE VALVE WITH RISER.

EXISTING ROAD CROSSING AT ROAD STA. 34+32± CONNECT TO 10" CL 150 C-900 PVC FIRE LINE AND 8" CL 160 PVC DOMESTIC WATER LINE.

SERVICE TO SALES OFFICE

EXISTING 10" PVC

8"x6" TEE WITH 6" G.V. TO WEST.

12" CL 150 C-900 FIRE LINE.

12"x10" C.I. FLG. TEE WITH 10" FLG. x M.J. G.V. WITH RISER ON EAST RUN. 12"x10" FLG. REDUCER & 10" FLG. x M.J. G.V. WITH RISER ON NORTH RUN.

SEE SHEET 3 OF 9 FOR AS-BUILT DETAILS

PHASE I

6" CL 160 PVC 6'± FROM R/W TYPICAL

6" CL 160 PVC 6'± FROM R/W TYPICAL.

10" CL 150 C-900 FIRE LINE 8'± FROM R/W LINE TYPICAL.

570'± 6" CL 160 PVC

570'± 8" CL 150 C-900 FIRE LINE 1

ROAD CROSSING AT STA. 52+50±. CONNECT TO 10" CL 150 C-900 FIRE LINE & 6" CL 160 PVC DOMESTIC LINE WITH 8"x6" REDUCER.

10" C.I. FLG. TEE WITH 10" FLG x M.J. GATE VALVE & 60' OF 10" CL150 C-900 PVC TO SOUTH. INSTALL CAP & TEMPORARY THRUST BLOCK.

CONNECT TO EXISTING 10" PVC & INSTALL 6" G.V. TO EAST.

6" C.I. FLG. TEE WITH FLG. x M.J. G.V. TO NORTH. FLG. x M.J. G.V. 8' 60" OF 6" CL 160 PVC WITH CAP & THRUST BLOCK TO SOUTH.

EXISTING 8" PVC.

EXISTING VALVE VAULT

(A.B.) EAST WELL (BACK-UP)

FUTURE RESERVOIR

EXISTING 8" PVC TO PLEASANT VIEW SUBDIVISION (EAST GREENACRES WATER SYSTEM)

INSTALL 2" WATER SERVICE TO PROPERTY LINE 10' EAST OR WEST OF PROPERTY CORNER (TYPICAL).

⊙ F.H. - FIRE HYDRANTS. INSTALL 2' FROM R/W LINE WITH 6" DISCHARGE FACING HYDRANT VALVE.

CASE WATER LINE 10' BOTH SIDES OF SEWER CROSSING PER STATE OF IDAHO HEALTH & WELFARE REQUIREMENTS. MAINTAIN MINIMUM 10' SEPERATION BETWEEN DOMESTIC WATER & SANITARY SEWER MAINS.

(A.B.) WEST WELL SEE SHEET 9 OF 9.

8" CL 160 PVC DOMESTIC WATER LINE 6' FROM R/W LINE (TYPICAL).

WELL AND RESERVOIR LOT SEE DETAIL LOWER RIGHT

SEE SHEET 4 OF 9 FOR AS-BUILT DETAIL

(A.B.) 6" CL-160 PVC RES. FILL LINE INSTALLED WITH 8" DOMESTIC WATER LINE

8" CL 160 PVC (DOMESTIC)

14" D.I. FIRE LINE

SEE CONNECTION DETAIL LOWER RIGHT

12" CL 150 C-900 PVC FIRE LINE. INSTALL 8' FROM PROPERTY LINE (TYPICAL). 300' MINIMUM RADIUS OF CURVATURE.

8" C.I. FLG CROSS WITH FLG x M.J. GATE VALVES NORTH, EAST AND SOUTH RUNS. INSTALL 3 "STUB" WITH CAP ON EAST & SOUTH RUNS.

(A.B.) 20' STUBS

14" FLG. C.I. CROSS WITH FLG. 14"x12" REDUCER & BLIND FLANGE ON SOUTH & EAST RUN. FLG (14" x 12" REDUCER & 12" FLG x M.J. GATE VALVE WITH RISER ON NORTH RUN.

25' WIDE EASEMENT

APPROXIMATE LOCATION SECTION LINE

SEC. LINE

SPOKANE RIVER

N

0 100 200 400 FT.

DENOTES FUTURE FIRE LINE

DENOTES FUTURE DOMESTIC WATER LINE

(A.B.) MOVED NORTH

FUTURE WELL, RESERVOIR, & PRESSURE BOOSTER SYSTEM.

PLEASANT VIEW ROAD

SERVICE AREA BOUNDARY

6" 90° ELBOW

± 20' 6'

EAST WELL

4" GALV.

6" PVC

6"x 4" DRESSER

8"x6" MJ REDUCER

±5'

±70'

8" CL-160 PVC

8"x 6" REDUCER

EXISTING 6" G.V.

8" PVC

15'±

EAST EDGE ASPHALT

ADAPTOR REQUIRED

14" FLG. BUTTERFLY VALVE AND RISER

14" x 10" C.I. FLG. REDUCER

10" FLG. BUTTERFLY VALVE AND RISER

14" FLG. C.I. TEE & THRUST BLOCK

10" DRESSER COUPLING

EXISTING FIRE LINE TO WAREHOUSE

10" DRESSER COUPLING

10" x 36" DUCTILE IRON SPOOL FLG x PLAIN END

14" x 10" C.I. FLG. REDUCER

10" x 36" DUCTILE IRON SPOOL FLG. x PLAIN END

EXISTING FIRE LINE FROM PUMPHOUSE

NOTE : EXISTING 10" FIRE LINE IS PROBABLY DUCTILE IRON. CONTRACTOR TO EXPOSE AND VERIFY DIMENSIONS & LOCATE PRIOR TO ORDERING FITTINGS.

SEE AS-BUILT DETAIL BELOW

EXISTING FIRE LINE CONNECTION DETAIL

N.T.S.

(A.B.) 14" DUCTILE IRON FIRE LINE

14"x10" MJ REDUCER

10" 11½° MJ ELBOW

10" C-900 PVC

10" G.V.

10" TAPPING SADDLE

EXISTING 10" DUCTILE IRON PIPE

FROM PUMPHOUSE

EXISTING 2" PVC TEMPORARY WATER SERVICE FROM EAST GREENACRES IRRIGATION DISTRICT. LOCATION APPROXIMATE. CONTRACTOR TO VERIFY LOCATION.

(A.B.) 2" ABANDONED

EAST PROPERTY LINE COEUR D'ALENE GREYHOUND RACING FACILITY

125'

52.5'

2" WATER

APPROXIMATE LOCATION W.W.P. JUNCTION BOX

EXTEND 2" CL 160 PVC TO 6" DOMESTIC LINE. CONNECT WITH 6"x2" SADDLE AND 2" GATE VALVE WITH RISER.

(A.B.) CONNECTION ABANDONED. 2" G.V. AND 6"x 2" SADDLE BURIED

15'

30,000 GALLON CONCRETE RESERVOIR SEE SHEETS 4 & 5

40'

(A.B.) SEE SHEET 7 AND 8

8'-DIAMETER WELL SEE SHEET 6

(A.B.) WELL ABANDONED

CONCRETE TRANSFORMER PAD BY CONTRACTOR PER W.W.P. SPECIFICATIONS.

6" CL 160 PVC PIPE TO 8'± 36" FLG x PLAIN END C.I. SPOOL AT RESERVOIR. CONNECT

NORTH EDGE 25' WIDE UTILITY EASEMENT

105'

(A.B.) SEE SHEET 4 OF 9 FOR A.B. DETAILS

8" PVC FROM RESERVOIR

6" PVC TO WEST

8" CAP AND THRUST BLOCK

8" x 36" CL 160 PVC PIPE

8" C.I. FLG TEE WITH M.J. x FLG ADAPTORS ON NORTH & EAST RUNS. 8" x 6" FLG REDUCER WITH 6" FLG x M.J. GATE VALVE ON WEST RUN.

EXISTING 6" CL 160 PVC DOMESTIC WATER LINE

EXISTING 14" DUCTILE IRON FIRE LINE AND TEMPORARY CAP.

EXTEND 6" CL 160 PVC

EXTEND 14" FIRE LINE 60' RE-USE TEMPORARY CAP.

NOTE : FIRE LINE TO BE DUCTILE IRON CL 150 C-900 PVC OR EQUAL AT OWNERS OPTION.

WELL AND RESERVOIR LOT DETAIL

1" = 20'

John A. Lewton Jr.
2/22/88

95-08572

JACKLIN SEED

AS-BUILT 1/89 (A.B.)

RIVERBEND FIRE AND DOMESTIC WATER DISTRIBUTION SYSTEM

SCALE: NOTED DATE: FEB. 88 | 6, 7-50-5W | P176(W) | DRAWN BY: JHF | REVISED: RGH

LE PARD & FRAME, Inc. Consulting Engineers Coeur d'Alene, Idaho

SHEET 2 OF 6 LF

(A.B.) 2 9