DELLAVALLE Laboratory, Inc.
Chemist and Consultant

Valley View Farms

Irrigation and Process Water Requirement Summary

		Field 1A		Field 1B		Field 2		Field 3		Field 4		Field 11A		Field 11B		Field 12		Field 13		Field 14		Fie
		Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand
Date	Time Interval	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)
Jan	1/1 - 1/15																					
	1/16 - 1/31																					
Feb	2/1 - 2/14																					
	2/15 - 2/28																					
Mar	3/1 - 3/15	0.3	11.6	7.2	13.2	12.3	5.1	8.6	1.6	27.3	12.1	10.9	6.0	6.6	3.7	19.9	18.8					
	3/16 - 3/31																	16.5	19.0	12.4	23.7	13.6
Apr	4/1 - 4/15	5.6	20.5	6.4	23.4	11.4	14.7	7.7	7.3	24.2	33.2	9.6	15.0	5.5	9.1	17.7	27.1					
	4/16 - 4/30																	11.1	15.9	8.4	19.1	12.7
May	5/1 - 5/7																					
	5/8 - 5/31	3.8	12.5	4.1	14.6	3.2	13.2	2.2	7.2	8.5	27.4	3.6	11.8	2.2	7.1	5.8	20.2					
Jun	6/1 - 6/15																	16.1	11.1	15.0	8.7	17.7
	6/16 - 6/30																					
Jul	7/1 - 7/15	6.7	11.0	7.1	13.1	5.6	12.1	3.8	6.3	14.9	24.0	6.3	10.4	3.9	6.3	10.1	20.2					
	7/16 - 7/31	19.1		20.4	0.0	15.9	1.9	10.8		42.7		18.1		11.0		28.9	1.6					
Aug	8/1 - 8/15	0.2	15.8	0.3	18.1	0.2	15.9	0.1	9.0	0.5	34.8	0.2	14.9	0.1	9.0	0.4	27.2	15.1	9.6	19.0	7.1	17.7
	8/16 - 8/31	2.4	13.0	2.5	15.1	2.0	13.4	1.4	7.4	5.3	28.5	2.3	12.3	1.4	7.4	3.6	22.3	25.1	3.8	29.8		27.5
Sep	9/1 - 9/15	15.5		16.5		12.9	0.1	8.8		34.7		14.7		3.9		23.5		0.4	24.0	0.5	24.3	0.5
	9/16 - 9/30																	4.5	14.8	5.3	14.3	4.9
Oct	10/1 - 10/15																	27.3		32.2		30.0
	10/16 - 10/31	8.4	0.9	9.6	1.0	28.4		20.9		60.7		26.7		20.2		43.6						
Nov	11/1 - 11/15																	54.4		30.4		64.3
	11/16 - 11/30																					
Dec	12/1 - 12/15																					
	12/16 - 12/31																					

	Field 1A		Field 1B		Field 2		Field 3		Field 4		Field 11A		Field 11B		Field 12		Field 13		Field 14		Fie
Winter Forage	20.4	32.9	23.3	37.6	52.6	19.8	37.2	8.8	112.2	45.3	49.2	21.0	32.6	12.7	81.2	37.3	62.0	38.0	51.2	42.8	45.8
Corn	47.8	52.4	50.9	60.9	39.8	56.5	27.0	30.0	106.7	114.8	45.2	49.3	27.4	29.9	72.4	93.0	89.7	60.3	105.7	54.5	98.3
Annual Total	68.2	85.3	74.2	98.5	92.4	76.3	64.2	38.9	218.9	160.1	94.4	70.3	60.0	42.6	153.6	131.9	171.7	98.3	156.8	97.3	194.2

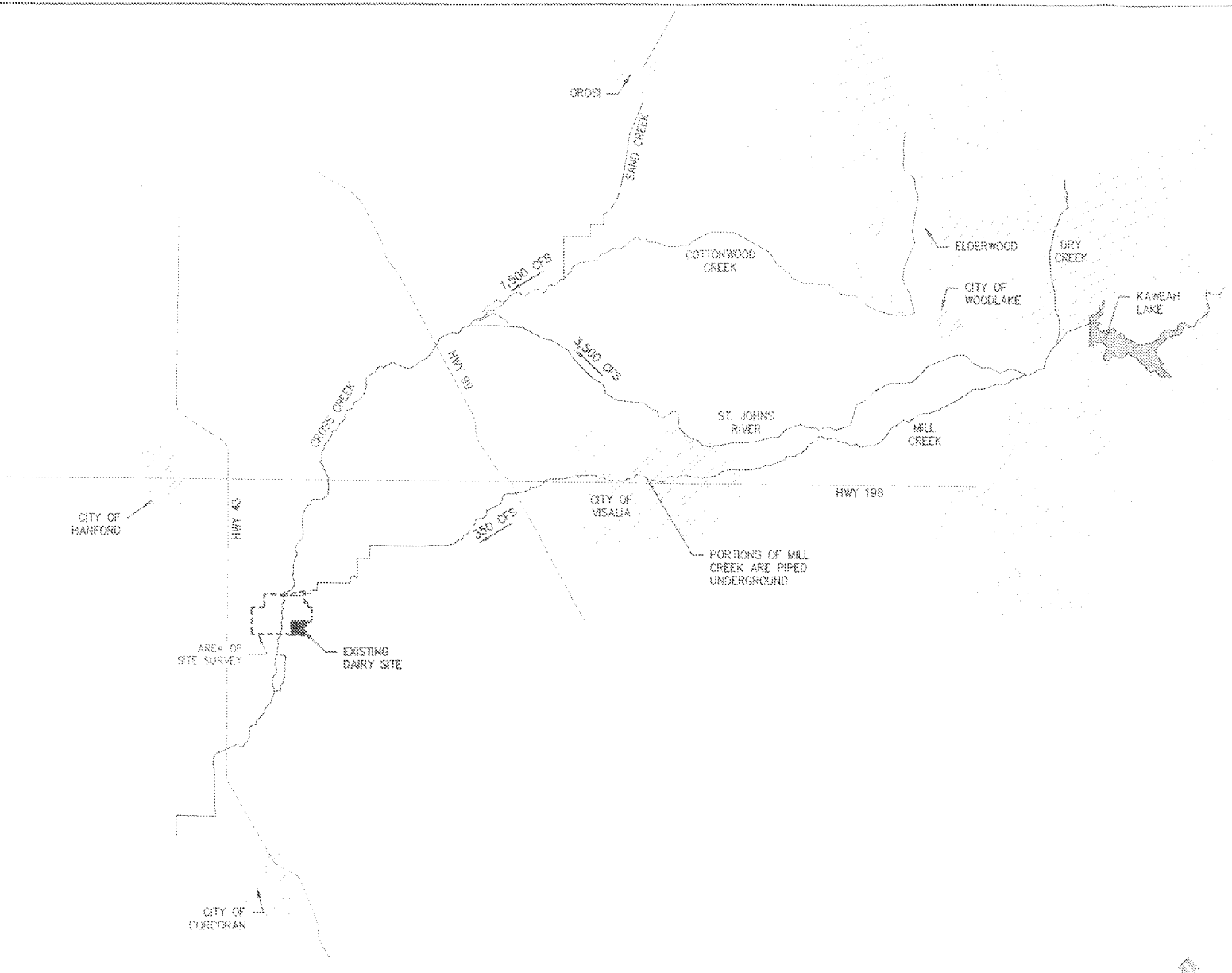
DELLAVALLE Laboratory, Inc.

Valley View Farms

Irrigation and Process Water Requirement Summary

Date	Time Interval	B 15	Field 20		Field 22		Field 23		Field 24		Field 25		Field 26		Farm Total	
		Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement	Process Water Needed to Meet Crop Nitrogen Demand	Fresh Irrigation water Requirement
		(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF/Field)	(AF)	(AF)
Jan	1/1 - 1/15															
	1/16 - 1/31															
Feb	2/1 - 2/14															
	2/15 - 2/28															
Mar	3/1 - 3/15												33.2	16.7	132.8	74.7
	3/16 - 3/31	17.9	8.2	23.1	10.9	27.0	12.0	31.5	8.9	35.1	16.6	20.2			107.2	193.4
Apr	4/1 - 4/15														88.5	150.2
	4/16 - 4/30	16.3	6.5	22.9	7.9	21.5	8.1	21.2	8.0	23.7	13.2	17.1	10.3	24.3	82.7	191.2
May	5/1 - 5/7															
	5/8 - 5/31														33.4	116.0
Jun	6/1 - 6/15	16.5	32.9	5.7	18.1	11.0	16.7	12.9	0.0	30.0	18.0	12.3	15.4	15.6	144.1	117.8
	6/16 - 6/30															
Jul	7/1 - 7/15														58.4	103.6
	7/16 - 7/31														196.9	3.8
Aug	8/1 - 8/15	8.9	22.9	4.1	19.1	9.4	16.7	11.2	0.0	28.3	18.2	10.5	15.4	13.8	146.2	247.4
	8/16 - 8/31	2.3	35.6		28.1	2.8	25.9	6.4	0.0	31.8	28.3	4.0	23.9	8.9	245.0	178.9
Sep	9/1 - 9/15	0.8	0.6	25.0	0.5	25.6	0.5	26.0	0.0	28.9	0.5	26.8	0.4	27.3	139.6	239.6
	9/16 - 9/30	15.0	6.4	10.9	5.0	15.6	4.6	19.3	0.0	21.2	5.1	16.5	4.3	17.6	40.0	145.1
Oct	10/1 - 10/15		36.8		30.6		28.2		0.0	29.2	30.9		28.0	1.9	244.1	27.2
	10/16 - 10/31														220.6	1.8
Nov	11/1 - 11/15		27.3	1.5	27.9	1.5	32.3		25.6	3.6	55.6		0.0	0.0	328.6	6.5
	11/16 - 11/30												38.9		38.9	
Dec	12/1 - 12/15															
	12/16 - 12/31															

	B 15	Field 20		Field 22		Field 23		Field 24		Field 25		Field 26		Farm Total	
Winter Forage	33.1	41.0	53.5	46.0	50.0	52.4	47.7	41.6	57.5	68.2	37.2	80.4	49.9	2,215.0	1,788.0
Corn	61.5	127.3	48.7	100.3	64.3	92.6	71.7	0.0	164.4	101.2	70.0	85.4	84.0		
Annual Total	94.6	168.3	102.2	146.3	114.3	145.0	119.4	41.6	221.9	169.4	107.2	165.9	133.9		



FLOOD ROUTING MAP

Know what's below. Call before you dig.

PRELIMINARY
NOT FOR CONSTRUCTION
5/10/2010

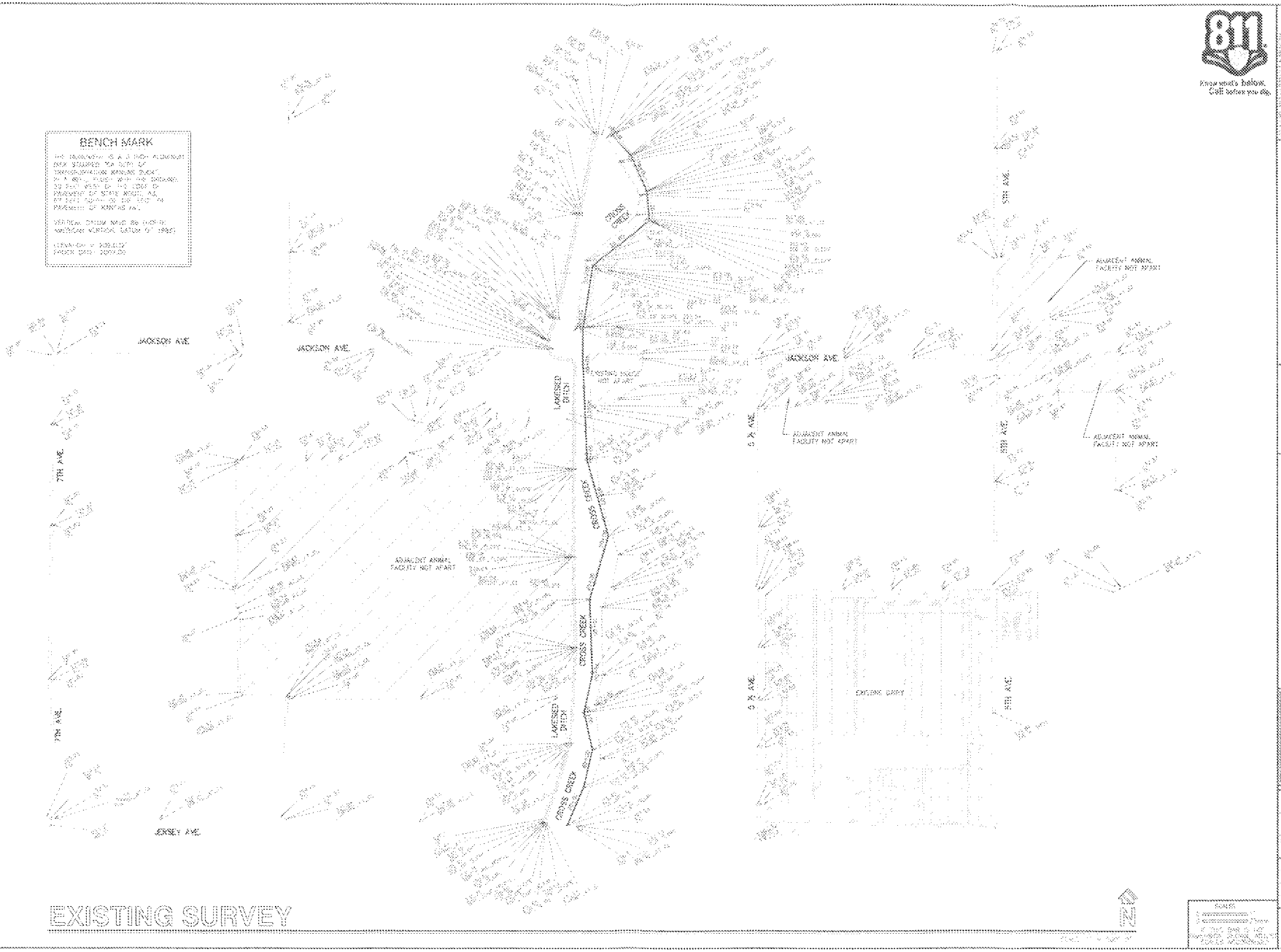
REVISION | BY | DATE

VALLEY VIEW FARMS
KINGS COUNTY, CALIFORNIA
FLOOD STUDY

FLOOD ROUTING MAP

PROVOST & PRITCHARD

FR-1



EXISTING SURVEY

EXISTING CONTOURS

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Know what's below. Call before you dig.

PRELIMINARY
NOT FOR CONSTRUCTION
9/10/2010

NO.	REVISION	BY	DATE

VALLEY VIEW FARMS
KINGS COUNTY, CALIFORNIA
FLOOD STUDY

EXISTING CONTOURS

PROVOST & PRITCHARD

FR-3

NOTE:

LAND USE MAP

JACKSON AVENUE
IDAHO AVENUE
AVENUE 256
KINGS COUNTY / TULARE COUNTY
LAKELAND CANAL
CROSS CREEK
5 1/2 AVENUE
5TH AVENUE
4TH AVENUE
KINGS COUNTY STRICT LINE

ADJACENT ANIMAL FACILITY
LEASED ANIMAL FACILITY
LOURENCO DAIRY NEWLY PURCHASED & LEASED ANIMAL FACILITY

1 028-050-003
2 028-050-008
3 028-070-003
4 028-070-004
5 028-070-007
6 028-070-009
7 028-070-018
8 028-070-019
9 028-180-002
10 028-180-003
11 028-180-004
12 028-180-013
13 028-180-014
14 028-180-015
15 028-180-016
16 147-020-002
17 147-020-010

VICINITY MAP

PROJECT SITE

Know what's below. Call before you dig

SITE DATA

OWNER:	JOHN KNEVELBAARD (559) 582-1866 15673 5-1/2 AVENUE HANFORD, CA 93230
JURISDICTION:	KINGS COUNTY
ZONE:	AGRICULTURE
SITE AREA:	157 ACRES
A.P.N.:	028-070-008
SITE ADDRESS:	15673 5-1/2 AVENUE HANFORD, CA 93230
SEISMIC ZONE:	
WATER:	DOMESTIC WELL
SEWER:	SEPTIC SYSTEM
GAS:	LPG
ELECTRIC:	S. C. E.

SITE LEGEND

SITE BOUNDARY LINE
EXISTING PAVED ROAD
EXISTING DIRT ROAD
DIRT LANES & DRIVES
ELECTRICAL USE (AERIAL)
FIELD BOUNDARY LINE
POND CENTER LINE
APPROXIMATE PROPERTY LINE
SETBACK LINE
EXISTING STRUCTURE
PARCEL CENTROIDS
EXISTING IRRIGATION WELL & BRANCH POINT
EXISTING MONITORING WELL
EXISTING DOMESTIC WELL
LIFT PUMPS
EXISTING PRESSURE VALVE

SUMMARY OF LAND USE

#	APN #	ACRES
1	028-050-003	10.00
2	028-050-008	10.00
3	028-070-003	10.00
4	028-070-004	10.00
5	028-070-007	10.00
6	028-070-009	10.00
7	028-070-018	10.00
8	028-070-019	10.00
9	028-180-002	10.00
10	028-180-003	10.00
11	028-180-004	10.00
12	028-180-013	10.00
13	028-180-014	10.00
14	028-180-015	10.00
15	028-180-016	10.00
16	147-020-002	10.00
17	147-020-010	10.00
TOTAL		157.00
TOTAL PARCEL AREA		157.00
LESS:		
LESS:		
LESS:		
TOTAL PARCEL AREA		157.00

PRELIMINARY
NOT FOR CONSTRUCTION
03/09/2009

VALLEY VIEW FARMS
KINGS COUNTY, CALIFORNIA
A DAIRY FACILITY EXPANSION

LAND USE MAP

PROVOST & PRITCHARD

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