



Advanced Environmental Landscape
Design & Consulting, LLC

CSLB C-27 Lic#708716
PO Box 8296, Alta Loma, CA 91737
Phone: 909.980.8300 Fax: 909.941.6876
www.aelandscapedesign.com

WATER MANAGEMENT **WATER ANALYSIS & RECOMMENDATIONS**

Property Name: Rancho Verde Village
Report Dated: 11/13/2017

HIGH PRIORITY RECOMMENDATIONS

High Priority Recommendations & Preventative Maintenance

WEBSITE LOGIN INFORMATION

Visit www.aelandscapedesign.com/nationalcore
Enter Password- watercore

1. **7/27/17: RST Packet:** We've recently modified the RST Packet online. Please Visit our website (see website login information and download/print the updated RST Packet (with all current changes) and give to your RST for their monthly RST readings.

WATER USAGE ANALYSIS SUMMARY

(See individual meter reports for more detailed information)

This property is billed on a bi-monthly basis.

DOMESTIC

Meter# 2: Daily Average, Projected Monthly Average, and current water bill are each below budget.

Meter# 3: Daily Average, Projected Monthly Average, and current water bill are each below budget.

Meter# 4: Daily Average, Projected Monthly Average, and current water bill are each below budget.

Meter# 5: Daily Average, Projected Monthly Average, and current water bill are each below budget.

“Save Water Today, So We Have Water Tomorrow”



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LANDSCAPE

Landscape System:

Irrigation Map has been uploaded to website.

Weather Based Irrigation Controller: Hunter I-Core W/Solar Sync. – 04/10/2015

Nozzles: Property is equipped with Precision Nozzles. – 04/10/2015

Turf Removal: 27,554 Square Feet removed January 2017.

Cucamonga Valley Water Restrictions are as Follows: See website for your district's current restrictions.

Controller is in compliance. – Controller is not currently, please see notes below in landscape usage.

Landscape Usage:

Meter #1: Daily Average, Projected Monthly Average, and current water bill are each below budget.

Pressure Testing:

09/22/2016:

Please refer to updated building list below:

PRESSURE READINGS

Building	Pressure Reading (psi)	Pressure Regulator
1300	50	No
1500	50	No
600	50	No
800	50	No
1000	50	No
1200	50	No
400	50	No
700	50	No
300	50	No
500	50	No
1100	50	No
1400	50	No
900	50	No
200	50	No
1600	50	No
100	50	No

“Save Water Today, So We Have Water Tomorrow”

Meter Summary Coversheet

Property Name **Rancho Verde Village**

Meter ID	Account Number	Meter Number(s)	Meter Type
1	75295-57096	16550717	Landscape
2	75295-57094	16069665 16069665-B	Domestic
3	75295-57092	3079648 3079648-B	Domestic
4	75295-57088	17031060	Domestic
5	75295-57086	30784034 30784034-B	Domestic

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 1

Property Name	Rancho Verde Village		
Meter Number	16550717	Meter Type	Landscape
Account Number	75295-57096	Meter Type	2"

REPORT DATED
11/13/2017

Backflow Details: Designated Backflow Size Pressure Regulator?

LANDSCAPE ANALYSIS

The following calculations are based on the data collected from the physical meter readings and water bills:

	MAWA Analysis
Current ETo (Monthly)	7.21
Monthly Budget	744.63
Bi-Monthly Budget	1489.27

Allocated S/F (Landscape) 178,000

WBIC (Weather Based Irrigation Controller)

WBIC-MAKE/MODEL Hunter I-Core W Solar Sync

PRECISION NOZZLES

DROUGHT TOLERANT LANDSCAPE

Projected vs. Actual Water Bill Analysis

	Projected		Most Recent	
Tier 1 @ \$1.60	53	\$84.80	53	\$84.80
Tier 2 @ \$2.13	160	\$340.80	160	\$340.80
Tier 3 @ \$2.66	320	\$851.20	320	\$851.20
Tier 4 @ \$3.03	691	\$2,093.73	804	\$2,436.12
Tier 5 @				
WATER CONSUMPTION TOTALS	1,224	\$3,370.53	1,337	\$3,712.92
WATER SERVICE CHARGE		\$190.06		\$222.65
MWD SURCHARGE		\$72.38		\$133.70
ADJUSTMENT BY WMT				\$24.61
TOTAL USAGE & CHARGES		\$3,632.97		\$4,093.88

PHYSICAL METER READINGS

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
11/5/2017 10:00 AM	516,200.0	WB	815.80	610,218.40	40	20.395	960	0.850
9/26/2017 10:00 AM	434,620.4	WMT	521.20	389,857.60	20	26.060	480	1.086
9/6/2017 10:00 AM	382,500.0	WB	192.77	144,191.96	6	32.128	144	1.339
8/31/2017 10:15 AM	363,223.0	RST	1,022.77	765,031.96	31	32.993	741	1.380
7/31/2017 1:30 PM	260,946.4	RST	621.46	464,852.08	22	28.248	531	1.170
7/9/2017 10:00 AM	198,800.0	WB	236.30	176,752.40	8	29.538	191	1.237
7/1/2017 11:08 AM	175,170.0	RST	1,121.70	839,031.60	52	21.571	1249	0.898
5/10/2017 10:00 AM	63,000.0	WB	84.64	63,310.72	8	10.580	192	0.441
5/2/2017 10:00 AM	54,536.0	WB	316.96	237,086.08	34	9.322	816	0.388
3/29/2017 10:00 AM	22,840.0	RST	0.00	0.00	N/A	N/A	N/A	N/A

This report was prepared by Advanced Environmental Landscape. If you have any questions regarding this report please contact us at (909) 980-8300 or water@a landscapedesign.com

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 2

Property Name	Rancho Verde Village		
Meter Number	16069665	Meter Type	Domestic
Account Number	75295-57094	Meter Type	3"

REPORT DATED
11/13/2017

Backflow Details: Designated Backflow Size 3" Pressure Regulator?

DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Pool & Spa	Laundry	
Description	1 BDR/2BR	Bldgs 200,400,600,800	POOL/SPA	MAT12PRLAW	TOTALS
Units Serviced	64		767	8	839
Budget/Month/Unit	23		0.0249	15	
Daily Budget Total	48.39		0.63	3.95	53.0
Monthly Budget Total	1,472.00		19.10	120.00	1,611.1
			Bi-Monthly Budget Total	3,222.2	

The following calculations are based on the data collected from the physical meter readings and water bills:

Multiple Meters on Water Account:

	Meter Number	Size
Meter A	16069665	3"
Meter B	16069665-B	5/8"
Meter C		

Daily Avg. Meter A	1.069
Daily Avg. Meter B	2.455
Daily Avg. Meter C	
Daily Avg MeterTotal	3.524
Monthly Avg Total	107.188
Bi-Monthly Avg Total	214.377

Projected vs. Actual Water Bill Analysis

	Projected		Most Recent	
Tier 1 @	\$1.61	100	\$161.00	100
Tier 2 @	\$2.14	114	\$243.96	300
Tier 3 @	\$2.68			105
Tier 4 @				
Tier 5 @				
WATER CONSUMPTION TOTALS		214	\$404.96	505
SEWER COLLECT FEE			\$779.28	\$779.28
SEWER TREATMENT FEE			\$2,373.54	\$2,501.04
WATER SERVICE CHARGE			\$371.64	\$417.47
MWD SURCHARGE			\$54.08	\$50.50
ADJUSTMENT BY WMT				
TOTAL USAGE & CHARGES			\$3,983.50	\$4,832.69

PHYSICAL METER READINGS

METER A:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/13/2017 10:00 AM	1,196,160.0	WB	13.90	10,397.20	13	1.069	312	0.045
8/31/2017 10:16 AM	1,194,770.0	RST	951.94	712,051.12	31	30.708	741	1.285
7/31/2017 1:33 PM	1,099,576.0	RST	96.76	72,376.48	14	6.911	339	0.285
7/17/2017 10:00 AM	1,089,900.0	WB	100.20	74,949.60	16	6.263	383	0.262
7/1/2017 11:12 AM	1,079,880.0	RST	285.80	213,778.40	48	5.954	1153	0.248
5/14/2017 10:00 AM	1,051,300.0	WB	102.36	76,565.28	13	7.874	312	0.328
5/1/2017 10:00 AM	1,041,063.6	RST	208.81	156,189.88	33	6.328	786	0.266
3/29/2017 4:35 PM	1,020,183.0	RST	90.83	67,940.84	17	5.343	414	0.219
3/12/2017 10:00 AM	1,011,100.0	WB	146.00	109,208.00	12	12.167	283	0.516
2/28/2017 3:42 PM	996,500.0	RST	131.92	98,676.16	29	4.549	702	0.188

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Water Meter Inspection and Evaluation

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METER ID# 2

1/30/2017	9:32 AM	983,308.0	RST	69.08	51,671.84	14	4.934	335	0.206
1/16/2017	10:00 AM	976,400.0	WB	123.10	92,078.80	17	7.241	409	0.301
12/30/2016	9:36 AM	964,089.6	RST	186.08	139,187.84	30	6.203	713	0.261
11/30/2016	4:17 PM	945,481.7	RST	94.82	70,925.36	16	5.926	390	0.243
11/14/2016	10:00 AM	936,000.0	WB	257.29	192,452.92	42	6.126	1007	0.256
10/3/2016	11:11 AM	910,270.7	RST	109.71	82,063.08	18	6.095	433	0.253
9/15/2016	10:00 AM	899,300.0	WB	50.90	38,073.20	9	5.656	213	0.239
9/6/2016	1:58 PM	894,210.1	RST	98.10	73,378.80	36	2.725	863	0.114
8/1/2016	2:30 PM	884,400.0	RST	24.00	17,952.00	14	1.714	340	0.071
7/18/2016	10:00 AM	882,000.0	WB	26.99	20,188.52	17	1.588	409	0.066
7/1/2016	9:00 AM	879,300.8	RST	56.01	41,895.48	30	1.867	719	0.078
6/1/2016	10:45 AM	873,700.3	RST	26.00	19,448.00	17	1.529	408	0.064
5/15/2016	10:00 AM	871,100.0	WB	34.00	25,432.00	13	2.615	313	0.109
5/2/2016	9:10 AM	867,700.2	RST	70.00	52,360.00	31	2.258	745	0.094
4/1/2016	8:50 AM	860,700.4	RST	38.00	28,424.00	18	2.111	430	0.088
3/14/2016	10:00 AM	856,900.0	WB	16.00	11,968.00	7	2.286	169	0.095
3/7/2016	9:20 AM	855,300.1	RST	47.00	35,156.00	21	2.238	504	0.093
2/15/2016	9:05 AM	850,600.1	RST	72.00	53,856.00	28	2.571	671	0.107
1/18/2016	10:00 AM	843,400.0	WB	8.00	5,984.00	3	2.667	71	0.113
1/15/2016	11:20 AM	842,600.4	RST	68.00	50,864.00	31	2.194	746	0.091
12/15/2015	9:00 AM	835,800.3	RST	44.00	32,912.00	22	2.000	530	0.083
11/23/2015	7:40 AM	831,400.0	WMT	21.00	15,708.00	13	1.615	304	0.069
11/10/2015	3:00 PM	829,300.0	RST	-2,421.00	1,810,908.00	60	-40.350	1445	-1.675
9/11/2015	10:00 AM	1,071,400.0	WB	2,618.00	1,958,264.00	44	59.500	1051	2.491
7/29/2015	3:30 PM	809,600.0	WMT	7.00	5,236.00	4	1.750	99	0.071
7/25/2015	12:35 PM	808,900.0	WMT	25.00	18,700.00	9	2.778	213	0.117
7/16/2015	3:00 PM	806,400.0	WMT	-2,385.00	1,783,980.00	2	1,192.50	48	-49.688
7/14/2015	3:30 PM	1,044,900.0	WB	241.00	180,268.00	62	3.887	1493	0.161
5/13/2015	10:00 AM	1,020,800.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 2

METER B:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/13/2017 10:00 AM	1,012,780.0	WB	31.92	23,876.16	13	2.455	312	0.102
8/31/2017 10:16 AM	1,009,588.0	RST	572.88	428,514.24	31	18.480	741	0.773
7/31/2017 1:35 PM	952,300.0	RST	33.00	24,684.00	18	1.833	435	0.076
7/13/2017 10:00 AM	949,000.0	WB	32.00	23,936.00	12	2.667	287	0.111
7/1/2017 11:13 AM	945,800.0	RST	85.00	63,580.00	48	1.771	1153	0.074
5/14/2017 10:00 AM	937,300.0	WB	33.00	24,684.00	13	2.538	312	0.106
5/1/2017 10:00 AM	934,000.0	RST	72.00	53,856.00	33	2.182	786	0.092
3/29/2017 4:36 PM	926,800.0	RST	30.00	22,440.00	17	1.765	414	0.072
3/12/2017 10:00 AM	923,800.0	WB	31.00	23,188.00	12	2.583	283	0.110
2/28/2017 3:45 PM	920,700.0	RST	64.00	47,872.00	29	2.207	702	0.091
1/30/2017 9:35 AM	914,300.0	RST	23.00	17,204.00	14	1.643	335	0.069
1/16/2017 10:00 AM	912,000.0	WB	93.00	69,564.00	47	1.979	1122	0.083
11/30/2016 4:17 PM	902,700.0	RST	28.00	20,944.00	16	1.750	390	0.072
11/14/2016 10:00 AM	899,900.0	WB	0.00	0.00	7	0.000	167	0.000
11/7/2016 11:40 AM	899,900.0	RST	45.00	33,660.00	35	1.286	840	0.054
10/3/2016 11:11 AM	895,400.0	RST	31.00	23,188.00	18	1.722	433	0.072
9/15/2016 10:00 AM	892,300.0	WB	13.00	9,724.00	9	1.444	213	0.061
9/6/2016 1:58 PM	891,000.0	RST	182.91	136,816.68	36	5.081	863	0.212
8/1/2016 2:30 PM	872,709.0	RST	84.09	62,899.32	14	6.006	340	0.247
7/18/2016 10:00 AM	864,300.0	WB	102.28	76,505.44	17	6.016	409	0.250
7/1/2016 9:00 AM	854,072.0	RST	182.98	136,869.04	30	6.099	719	0.254
6/1/2016 10:45 AM	835,774.0	RST	78.74	58,897.52	17	4.632	408	0.193
5/15/2016 10:00 AM	827,900.0	WB	102.02	76,310.96	13	7.848	313	0.326
5/2/2016 9:10 AM	817,698.0	RST	190.45	142,456.60	31	6.144	745	0.256
4/1/2016 8:50 AM	798,653.0	RST	108.53	81,180.44	18	6.029	430	0.252
3/14/2016 10:00 AM	787,800.0	WB	42.69	31,932.12	7	6.099	169	0.253
3/7/2016 9:30 AM	783,531.0	RST	125.41	93,806.68	21	5.972	504	0.249
2/15/2016 9:05 AM	770,990.0	RST	184.90	138,305.20	28	6.604	671	0.276
1/18/2016 10:00 AM	752,500.0	WB	19.62	14,675.76	3	6.540	71	0.276
1/15/2016 11:20 AM	750,538.0	RST	328.76	245,912.48	53	6.203	1273	0.258
11/23/2015 10:00 AM	717,661.9	WMT	72.25	54,043.00	13	5.558	307	0.235
11/10/2015 3:00 PM	710,436.7	RST	323.37	241,880.76	60	5.390	1445	0.224
9/11/2015 10:00 AM	678,100.0	WB	270.78	202,543.44	44	6.154	1051	0.258
7/29/2015 3:30 PM	651,022.2	WMT	24.47	18,303.56	4	6.118	99	0.247
7/25/2015 12:35 PM	648,575.5	WMT	84.76	63,400.48	11	7.705	264	0.321
7/14/2015 12:35 PM	640,100.0	WB	435.00	325,380.00	62	7.016	1490	0.292
5/13/2015 10:00 AM	596,600.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

This report was prepared by Advanced Environmental Landscape Design & Consulting, LLC. If you have any questions regarding this report please contact us

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 3

Property Name	Rancho Verde Village		
Meter Number	3079648	Meter Type	Domestic
Account Number	75295-57092	Meter Type	3"

REPORT DATED
11/13/2017

Backflow Details: Designated Backflow Size 3" Pressure Regulator?

DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Pool & Spa	Laundry	
Description	I BDR/2BR	1400,1600,1000,1200	POOL	MAT12PRLAW	TOTALS
Units Serviced	64		598	8	670
Budget/Month/Unit	23		0.0249	15	
Daily Budget Total	48.39		0.49	3.95	52.8
Monthly Budget Total	1,472.00		14.89	120.00	1,606.9
Bi-Monthly Budget Total					3,213.8

The following calculations are based on the data collected from the physical meter readings and water bills:

Multiple Meters on Water Account:

Meter Number	Size
Meter A 3079648	3"
Meter B 3079648-B	5/8"
Meter C	

Daily Avg. Meter A	8.577
Daily Avg. Meter B	0.138
Daily Avg. Meter C	
Daily Avg MeterTotal	8.715
Monthly Avg Total	265.081
Bi-Monthly Avg Total	530.163

Projected vs. Actual Water Bill Analysis

	Projected		Most Recent	
Tier 1 @	\$1.61	100	\$161.00	100
Tier 2 @	\$2.14	300	\$642.00	300
Tier 3 @	\$2.68	90	\$241.20	107
Tier 4 @	\$5.68	40	\$227.20	
Tier 5 @				
WATER CONSUMPTION TOTALS		530	\$1,271.40	507
SEWER COLLECT FEE			\$687.60	\$687.60
SEWER TREATMENT FEE				\$2,206.80
WATER SERVICE CHARGE				\$417.47
MWD SURCHARGE				\$50.70
ADJUSTMENT BY WMT				
TOTAL USAGE & CHARGES			\$1,959.00	\$4,452.33

PHYSICAL METER READINGS

METER A:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/13/2017 10:00 AM	749,300.0	WB	111.50	83,402.00	13	8.577	312	0.357
8/31/2017 10:18 AM	738,150.0	RST	262.80	196,574.40	31	8.477	741	0.355
7/31/2017 1:40 PM	711,870.0	RST	124.70	93,275.60	14	8.907	339	0.368
7/17/2017 10:00 AM	699,400.0	WB	126.34	94,502.32	16	7.896	383	0.330
7/1/2017 11:16 AM	686,766.0	RST	391.66	292,961.68	48	8.160	1153	0.340
5/14/2017 10:00 AM	647,600.0	WB	103.77	77,619.96	13	7.982	312	0.333
5/1/2017 10:00 AM	637,222.6	RST	265.15	198,332.20	33	8.035	786	0.337
3/29/2017 4:40 PM	610,708.0	RST	113.08	84,583.84	17	6.652	414	0.273
3/12/2017 10:00 AM	599,400.0	WB	125.42	93,814.16	12	10.452	283	0.443
2/28/2017 3:50 PM	586,858.0	RST	244.27	182,713.96	29	8.423	702	0.348

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 3

1/30/2017	9:35 AM	562,430.7	RST	89.31	66,803.88	14	6.379	335	0.267
1/16/2017	10:00 AM	553,500.0	WB	226.36	169,317.28	17	13.315	409	0.553
12/30/2016	9:46 AM	530,864.1	RST	151.90	113,621.20	25	6.076	599	0.254
12/5/2016	10:00 AM	515,674.5	RST	220.01	164,567.48	28	7.858	671	0.328
11/7/2016	11:40 AM	493,674.0	RST	276.61	206,904.28	35	7.903	840	0.329
10/3/2016	11:31 AM	466,013.3	RST	107.13	80,133.24	18	5.952	433	0.247
9/15/2016	10:00 AM	455,300.0	WB	98.46	73,648.08	9	10.940	212	0.464
9/6/2016	2:10 PM	445,453.9	RST	288.73	215,970.04	36	8.020	864	0.334
8/1/2016	2:25 PM	416,581.0	RST	117.81	88,121.88	14	8.415	340	0.347
7/18/2016	10:00 AM	404,800.0	WB	130.60	97,688.80	17	7.682	409	0.319
7/1/2016	9:35 AM	391,740.0	RST	247.50	185,130.00	30	8.250	719	0.344
6/1/2016	10:50 AM	366,990.0	RST	126.90	94,921.20	16	7.931	384	0.330
5/16/2016	10:00 AM	354,300.0	WB	108.30	81,008.40	14	7.736	337	0.321
5/2/2016	9:15 AM	343,470.0	RST	243.56	182,182.88	31	7.857	744	0.327
4/1/2016	9:00 AM	319,114.0	RST	140.14	104,824.72	18	7.786	431	0.325
3/14/2016	10:00 AM	305,100.0	WB	66.09	49,435.32	7	9.441	169	0.391
3/7/2016	9:30 AM	298,491.0	RST	183.78	137,467.44	21	8.751	504	0.365
2/15/2016	9:15 AM	280,113.0	RST	276.78	207,031.44	31	8.928	742	0.373
1/15/2016	11:30 AM	252,435.0	RST	449.82	336,465.36	53	8.487	1276	0.353
11/23/2015	7:50 AM	207,452.8	WMT	108.49	81,150.52	13	8.345	304	0.357
11/10/2015	3:15 PM	196,604.1	RST	508.04	380,013.92	62	8.194	1493	0.340
9/9/2015	10:00 AM	145,800.0	WB	339.83	254,192.84	42	8.091	1003	0.339
7/29/2015	3:40 PM	111,817.2	WMT	35.67	26,681.16	4	8.918	99	0.360
7/25/2015	12:40 PM	108,250.2	WMT	60.63	45,351.24	9	6.737	213	0.285
7/16/2015	3:05 PM	102,187.4	WMT	27.87	20,846.76	2	13.935	53	0.526
7/14/2015	10:00 AM	99,400.0	WMT	609.00	455,532.00	62	9.823	1488	0.409
5/13/2015	10:00 AM	38,500.0	WB	-595.40	-445,359.20	58	-10.266	1392	-0.428
3/16/2015	10:00 AM	98,040.0	WB	57.80	43,234.40	62	0.932	1488	0.039
1/13/2015	10:00 AM	92,260.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

This report was prepared by Advanced Environmental Landscape Design & Consulting, LLC. If you have any questions regarding this report please contact us

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 3

METER B:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/13/2017 10:00 AM	122,100.0	WB	1.80	1,346.40	13	0.138	312	0.006
8/31/2017 10:18 AM	121,920.0	RST	4.50	3,366.00	31	0.145	741	0.006
7/31/2017 1:43 PM	121,470.0	RST	1.70	1,271.60	14	0.121	339	0.005
7/17/2017 10:00 AM	121,300.0	WB	2.60	1,944.80	16	0.163	383	0.007
7/1/2017 11:17 AM	121,040.0	RST	8.40	6,283.20	48	0.175	1153	0.007
5/14/2017 10:00 AM	120,200.0	WB	1.20	897.60	13	0.092	312	0.004
5/1/2017 10:00 AM	120,080.0	RST	5.70	4,263.60	33	0.173	786	0.007
3/29/2017 4:40 PM	119,510.0	RST	2.10	1,570.80	17	0.124	414	0.005
3/12/2017 10:00 AM	119,300.0	WB	5.79	4,330.92	41	0.141	985	0.006
1/30/2017 9:35 AM	118,720.7	RST	2.21	1,653.08	14	0.158	335	0.007
1/16/2017 10:00 AM	118,500.0	WB	2.40	1,795.20	17	0.141	409	0.006
12/30/2016 9:46 AM	118,260.1	RST	4.10	3,066.80	25	0.164	599	0.007
12/5/2016 10:51 AM	117,850.5	RST	2.10	1,570.80	5	0.420	114	0.018
11/30/2016 4:09 PM	117,640.2	RST	1.40	1,047.20	16	0.088	390	0.004
11/14/2016 10:00 AM	117,500.0	WB	4.59	3,433.32	42	0.109	1007	0.005
10/3/2016 11:31 AM	117,040.6	RST	2.41	1,802.68	18	0.134	433	0.006
9/15/2016 10:00 AM	116,800.0	WB	1.70	1,271.60	9	0.189	212	0.008
9/6/2016 2:11 PM	116,630.4	RST	7.10	5,310.80	36	0.197	864	0.008
8/1/2016 2:30 PM	115,920.1	RST	2.20	1,645.60	14	0.157	340	0.006
7/18/2016 10:00 AM	115,700.0	WB	2.99	2,236.52	17	0.176	409	0.007
7/1/2016 9:35 AM	115,400.7	RST	7.01	5,243.48	30	0.234	719	0.010
6/1/2016 10:45 AM	114,700.1	RST	5.00	3,740.00	16	0.313	384	0.013
5/16/2016 10:00 AM	114,200.0	WB	1.50	1,122.00	14	0.107	337	0.004
5/2/2016 9:15 AM	114,050.0	RST	4.50	3,366.00	31	0.145	744	0.006
4/1/2016 9:10 AM	113,600.5	RST	4.01	2,999.48	18	0.223	431	0.009
3/14/2016 10:00 AM	113,200.0	WB	1.00	748.00	7	0.143	169	0.006
3/7/2016 9:30 AM	113,100.4	RST	6.60	4,936.80	21	0.314	504	0.013
2/15/2016 9:15 AM	112,440.1	RST	6.89	5,153.72	31	0.222	742	0.009
1/15/2016 11:30 AM	111,750.8	RST	6.40	4,787.20	31	0.206	746	0.009
12/15/2015 9:20 AM	111,110.6	RST	3.50	2,618.00	22	0.159	530	0.007
11/23/2015 7:50 AM	110,760.2	WMT	1.90	1,421.20	13	0.146	304	0.006
11/10/2015 3:15 PM	110,570.7	RST	11.71	8,759.08	62	0.189	1493	0.008
9/9/2015 10:00 AM	109,400.0	WB	9.28	6,941.44	46	0.202	1102	0.008
7/25/2015 12:40 PM	108,472.2	WMT	3.42	2,558.16	9	0.380	213	0.016
7/16/2015 3:05 PM	108,130.6	WMT	1.31	979.88	2	0.655	53	0.025
7/14/2015 10:00 AM	108,000.0	WB	22.00	16,456.00	62	0.355	1488	0.015
5/13/2015 10:00 AM	105,800.0	WB	42.00	31,416.00	120	0.350	2880	0.015
1/13/2015 10:00 AM	101,600.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

This report was prepared by Advanced Environmental Landscape Design & Consulting, LLC. If you have any questions regarding this report please contact us

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 4

Property Name	Rancho Verde Village		
Meter Number	17676907	Meter Type	Domestic
Account Number	75295-57088	Meter Type	3"

REPORT DATED
11/13/2017

Backflow Details: Designated Backflow Size Pressure Regulator?

DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Multi-Unit Building	Laundry	
Description	1 BDR/2BR	Bldgs 900,1100	Bldgs 1300,1500	MAT12PRLAW	TOTALS
Units Serviced	64			8	72
Budget/Month/Unit	23			15	
Daily Budget Total	48.39			3.95	52.3
Monthly Budget Total	1,472.00			120.00	1,592.0
				Bi-Monthly Budget Total	3,184.0

The following calculations are based on the data collected from the physical meter readings and water bills:

Multiple Meters on Water Account:		Projected vs. Actual Water Bill Analysis							
Meter Number	Size	Projected			Most Recent				
Meter A	17676907	3"	Tier 1 @	\$1.61	100	\$161.00	100	\$161.00	
Meter B	17676907B	5/8"	Tier 2 @	\$2.14	226	\$483.64	300	\$642.00	
Meter C			Tier 3 @	\$2.68			103	\$276.04	
			Tier 4 @	\$5.68					
			Tier 5 @						
Daily Avg. Meter A		4.400	WATER CONSUMPTION TOTALS			326	\$644.64	503	\$1,079.04
Daily Avg. Meter B		0.964	SEWER COLLECT FEE				\$687.60		\$687.60
Daily Avg. Meter C			SEWER TREATMENT CHARGE						\$2,206.80
Daily Avg MeterTotal		5.364	WATER SERVICE CHARGE						\$417.47
Monthly Avg Total		163.155	MWD SURCHARGE						\$50.30
Bi-Monthly Avg Total		326.310	ADJUSTMENT BY WMT						
			TOTAL USAGE & CHARGES				\$1,332.24		\$4,441.21

PHYSICAL METER READINGS

METER A:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/12/2017 10:00 AM	11,000.0	WB	0.00	0.00	N/A	N/A	N/A	N/A
8/18/2017 10:00 AM	0.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 4

METER B:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/12/2017 10:00 AM	2,410.0	WB	0.00	0.00	N/A	N/A	N/A	N/A
8/18/2017 10:00 AM	0.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

METER C:

METER EVALUATION NOTES:

See Findings and Recommendations Report for specific meter notes.

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 5

Property Name	Rancho Verde Village		
Meter Number	30784034	Meter Type	Domestic
Account Number	75295-57086	Meter Type	3"

REPORT DATED
11/13/2017

Backflow Details: Designated Backflow Size 3" Pressure Regulator?

DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Multi-Unit Building	Laundry	
Description	1 BDR/2BR	Bldgs 100,300	Bldgs 500,700	MAT12PRLAW	TOTALS
Units Serviced	56			8	64
Budget/Month/Unit	23			15	
Daily Budget Total	42.35			3.95	46.3
Monthly Budget Total	1,288.00			120.00	1,408.0
				Bi-Monthly Budget Total	2,816.0

The following calculations are based on the data collected from the physical meter readings and water bills:

Multiple Meters on Water Account:

Meter Number	Size
Meter A 30784034	3"
Meter B 30784034-B	5/8"
Meter C	

Daily Avg. Meter A	1.099
Daily Avg. Meter B	11.855
Daily Avg. Meter C	
Daily Avg MeterTotal	12.954
Monthly Avg Total	394.018
Bi-Monthly Avg Total	788.035

Projected vs. Actual Water Bill Analysis

	Projected		Most Recent	
Tier 1 @	\$1.61	100	\$161.00	100
Tier 2 @	\$2.14	300	\$642.00	300
Tier 3 @	\$2.68	156	\$418.08	156
Tier 4 @	\$5.68	232	\$1,317.76	
Tier 5 @				
WATER CONSUMPTION TOTALS		788	\$2,538.84	556
SEWER COLLECT FEE			\$687.60	\$687.60
SEWER TREATMENT FEE				\$2,206.80
WATER SERVICE CHARGE				\$417.47
MWD SURCHARGE				\$55.60
TOTAL USAGE & CHARGES			\$3,226.44	\$4,588.55

PHYSICAL METER READINGS

METER A:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/12/2017 10:00 AM	1,047,700.0	WB	13.19	9,866.12	12	1.099	288	0.046
8/31/2017 10:13 AM	1,046,380.6	RST	7.60	5,684.80	31	0.245	741	0.010
7/31/2017 1:50 PM	1,045,621.1	RST	106.21	79,445.08	15	7.081	363	0.293
7/16/2017 10:00 AM	1,035,000.0	WB	127.13	95,093.24	15	8.475	359	0.354
7/1/2017 11:27 AM	1,022,287.0	RST	414.87	310,322.76	48	8.643	1153	0.360
5/14/2017 10:00 AM	980,800.0	WB	158.06	118,228.88	13	12.158	313	0.505
5/1/2017 9:13 AM	964,994.5	RST	249.39	186,543.72	33	7.557	784	0.318
3/29/2017 5:02 PM	940,056.0	RST	122.56	91,674.88	17	7.209	415	0.295
3/12/2017 10:00 AM	927,800.0	WB	120.46	90,104.08	12	10.038	282	0.427
2/28/2017 4:08 PM	915,754.0	RST	213.40	159,623.20	29	7.359	703	0.304

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 5

1/30/2017	9:47 AM	894,413.9	RST	93.14	69,668.72	14	6.653	335	0.278
1/16/2017	10:00 AM	885,100.0	WB	439.46	328,716.08	17	25.851	409	1.074
12/30/2016	9:52 AM	841,153.8	RST	72.54	54,259.92	48	1.511	1151	0.063
11/12/2016	10:00 AM	833,900.0	WB	42.02	31,430.96	5	8.404	119	0.353
11/7/2016	11:23 AM	829,698.0	RST	280.40	209,739.20	35	8.011	840	0.334
10/3/2016	11:39 AM	801,658.3	RST	159.58	119,365.84	19	8.399	457	0.349
9/14/2016	10:00 AM	785,700.0	WB	56.61	42,344.28	8	7.076	188	0.301
9/6/2016	2:21 PM	780,038.7	RST	283.75	212,245.00	36	7.882	863	0.329
8/1/2016	3:30 PM	751,664.0	RST	124.64	93,230.72	15	8.309	365	0.341
7/17/2016	10:00 AM	739,200.0	WB	130.47	97,591.56	16	8.154	384	0.340
7/1/2016	10:20 AM	726,153.0	RST	244.40	182,811.20	30	8.147	720	0.339
6/1/2016	10:35 AM	701,713.0	RST	126.13	94,345.24	16	7.883	384	0.328
5/16/2016	10:00 AM	689,100.0	WB	101.57	75,974.36	14	7.255	337	0.301
5/2/2016	9:00 AM	678,943.0	RST	231.78	173,371.44	31	7.477	744	0.312
4/1/2016	9:10 AM	655,765.0	RST	132.65	99,222.20	18	7.369	431	0.308
3/14/2016	10:00 AM	642,500.0	WB	45.17	33,787.16	7	6.453	169	0.267
3/7/2016	9:45 AM	637,983.0	RST	136.61	102,184.28	21	6.505	505	0.271
2/15/2016	8:55 AM	624,322.0	RST	200.22	149,764.56	28	7.151	670	0.299
1/18/2016	10:00 AM	604,300.0	WB	17.75	13,277.00	3	5.917	71	0.250
1/15/2016	11:45 AM	602,525.0	RST	363.02	271,538.96	53	6.849	1273	0.285
11/23/2015	10:00 AM	566,223.5	WMT	35.24	26,359.52	5	7.048	120	0.294
11/18/2015	10:00 AM	562,700.0	WB	53.10	39,718.80	8	6.638	187	0.284
11/10/2015	3:00 PM	557,390.1	RST	756.10	565,562.80	104	7.270	2495	0.303
7/29/2015	4:45 PM	481,780.1	WMT	36.19	27,070.12	4	9.048	99	0.366
7/25/2015	1:15 PM	478,160.7	WMT	58.60	43,832.80	9	6.511	214	0.274
7/16/2015	3:30 PM	472,300.8	WMT	406.01	303,695.48	2	203.005	53	7.661
7/14/2015	10:00 AM	431,700.0	WB	727.00	543,796.00	64	11.359	1533	0.474
5/11/2015	1:15 PM	359,000.0	WB	554.00	414,392.00	118	4.695	2835	0.195
1/13/2015	10:00 AM	303,600.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 5

METER B:

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
9/12/2017 10:00 AM	90,600.0	WB	142.26	106,410.48	12	11.855	288	0.494
8/31/2017 10:13 AM	76,374.0	RST	273.10	204,278.80	31	8.810	741	0.369
7/31/2017 1:53 PM	49,064.0	RST	8.80	6,582.40	30	0.293	722	0.012
7/1/2017 11:29 AM	48,183.6	RST	4.84	3,620.32	48	0.101	1153	0.004
5/14/2017 10:00 AM	47,700.0	WB	36.04	26,957.92	13	2.772	313	0.115
5/1/2017 9:13 AM	44,096.4	RST	17.81	13,321.88	33	0.540	784	0.023
3/29/2017 5:05 PM	42,315.9	RST	5.16	3,859.68	17	0.304	415	0.012
3/12/2017 10:00 AM	41,800.0	WB	2.25	1,683.00	12	0.188	282	0.008
2/28/2017 4:10 PM	41,574.9	RST	3.42	2,558.16	29	0.118	702	0.005
1/30/2017 10:00 AM	41,232.6	RST	2.33	1,742.84	14	0.166	336	0.007
1/16/2017 10:00 AM	41,000.0	WB	-72.62	-54,319.76	47	-1.545	1122	-0.065
11/30/2016 4:20 PM	48,261.6	RST	81.62	61,051.76	18	4.534	438	0.186
11/12/2016 10:00 AM	40,100.0	WB	5.89	4,405.72	40	0.147	959	0.006
10/3/2016 11:39 AM	39,511.0	RST	6.11	4,570.28	18	0.339	433	0.014
9/15/2016 10:00 AM	38,900.0	WB	0.68	508.64	9	0.076	212	0.003
9/6/2016 2:22 PM	38,832.1	RST	6.06	4,532.88	36	0.168	863	0.007
8/1/2016 3:30 PM	38,225.9	RST	2.26	1,690.48	14	0.161	341	0.007
7/18/2016 10:00 AM	38,000.0	WB	20.10	15,034.80	17	1.182	408	0.049
7/1/2016 10:20 AM	35,990.3	RST	8.91	6,664.68	30	0.297	720	0.012
6/1/2016 10:35 AM	35,099.7	RST	8.00	5,984.00	16	0.500	384	0.021
5/16/2016 10:00 AM	34,300.0	WB	4.10	3,066.80	14	0.293	337	0.012
5/2/2016 9:00 AM	33,890.3	RST	10.32	7,719.36	31	0.333	744	0.014
4/1/2016 9:15 AM	32,858.3	RST	5.58	4,173.84	18	0.310	431	0.013
3/14/2016 10:00 AM	32,300.0	WB	1.49	1,114.52	7	0.213	169	0.009
3/7/2016 9:55 AM	32,151.5	RST	5.86	4,383.28	21	0.279	505	0.012
2/15/2016 8:55 AM	31,565.5	RST	7.66	5,729.68	28	0.274	670	0.011
1/18/2016 10:00 AM	30,800.0	WB	0.49	366.52	3	0.163	71	0.007
1/15/2016 11:45 AM	30,750.8	RST	8.47	6,335.56	31	0.273	746	0.011
12/15/2015 9:40 AM	29,903.9	RST	6.16	4,607.68	22	0.280	530	0.012
11/23/2015 7:50 AM	29,287.8	WMT	1.88	1,406.24	5	0.376	117	0.016
11/18/2015 10:00 AM	29,100.0	WB	1.68	1,256.64	8	0.210	187	0.009
11/10/2015 3:00 PM	28,932.2	RST	31.36	23,457.28	108	0.290	2594	0.012
7/25/2015 1:15 PM	25,795.8	WMT	3.72	2,782.56	9	0.413	214	0.017
7/16/2015 3:30 PM	25,424.0	WMT	0.24	179.52	2	0.120	53	0.005
7/14/2015 10:00 AM	25,400.0	WB	42.00	31,416.00	64	0.656	1536	0.027
5/11/2015 10:00 AM	21,200.0	WB	79.00	59,092.00	118	0.669	2832	0.028
1/13/2015 10:00 AM	13,300.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

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