



Advanced Environmental Landscape
Design & Consulting, LLC

CSLB C-27 Lic#708716
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WATER MANAGEMENT **WATER ANALYSIS & RECOMMENDATIONS**

Property Name: Impressions at Valley Center
Report Dated: 11/27/2017

HIGH PRIORITY RECOMMENDATIONS

High Priority Recommendations & Preventative Maintenance

WEBSITE LOGIN INFORMATION

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

1. **2/24/2016: Landscaping:** Unable to project landscape usage because irrigation programming information unavailable from current landscape company. Please request irrigation schedule from your landscaping crew. You can refer to our website for water restrictions to provide them to your current landscape company.
2. **2/24/2016: Water Pressure Readings:** Unable to read pressure during initial site inspection due to lack of hose-bibs on exterior. Please schedule interior readings at one unit per building (water heater/kitchen or bathroom faucets) to register each building's water pressure. Please download the Pressure Reading Tutorial and Building Inspection Worksheet on the website (see website login information at the top of the recommendations)
 - a. Please use the Building Inspection Worksheet to record meter readings and identify whether or not each building has a secured hose-bib and/or a pressure regulator. Please provide readings for evaluation & recommendations. Please email the Building Inspection Worksheet to water@aelandscapedesign.com when complete email to water@aelandscapedesign.com when complete.
3. **11/23/2016: Backflow Test Forms:** Please obtain and submit a copy of the backflow test forms for your property. You may either send us a copy of the last test forms completed at your property or if you have recently received test forms that are blank, you can send those also. Please send these test forms to water@aelandscapedesign.com Water Management is requesting this information so we can add this data to the Property Overview and so you always know how many backflows you have, details on each and when testing is scheduled, to avoid any water shut-off notices and/or late charges.

“Save Water Today, So We Have Water Tomorrow”



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WATER USAGE ANALYSIS SUMMARY

(See individual meter reports for more detailed information)

DOMESTIC

Meter 1:

(This is a mixed Meter and services both Landscape and Domestic feeds.)

Daily Average, Projected Monthly Average, and Recent water bill are all below budget.

LANDSCAPE

Landscape System:

Irrigation Map: Available online.

Weather Based Irrigation Controllers: No Weather Based Irrigation Controllers are installed at this time. The Water District does not offer rebates

Precision Nozzles: No Precision Nozzles are installed at this time. The Water District does not offer rebates.

Turf Removal: No turf removal has been completed. The Water District does not offer rebates.

Victorville Public Utilities Watering Restrictions are: Please check our website for your district's current restrictions.

Controller in Compliance:

Please provide current irrigation status or programming from your current landscape company.

(see recommendations)

Pressure Testing:

Buildings do not have hose bibs. Tested Laundry room #1 and #2 Pressure reading is 50 PSI, pressure is average, no concern.

(See Recommendations).

“Save Water Today, So We Have Water Tomorrow”

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 1

Property Name	Impressions at Valley Center		
Meter Number	53052	Meter Type	Mixed
Account Number	103056-130989	Meter Type	6"

REPORT DATED
11/27/2017

Backflow Details: Designated Backflow Size 6 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	Pool	Laundry	Landscape	
Description	(2/3 BDR)	POOL	M#SWNBX2P111TWO7	LANDSCAPE	TOTALS
Units Served	100	946	17	48103	49,166
Budget/Month/Unit	15.92	0.0249	14	0.0042	
Daily Budget Total	52.34	0.77	7.82	6.64	67.6
Monthly Budget Total	1,592.00	23.56	238.00	202.03	2,055.6

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

		Projected vs. Actual Water Bill Analysis				
		Projected		Most Recent		
Physical Daily-Average	27.522	Tier 1 @	837	865		
Physical Monthly-Average	837.13	Tier 2 @				
		Tier 3 @				
		Tier 4 @				
		Tier 5 @				
		WATER CONSUMPTION TOTALS	837	\$0.00	865	\$0.00
		TIER TOTALS AND CHARGES				\$6,938.60
		TOTAL USAGE & CHARGES		\$0.00		\$6,938.60

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)
11/9/2017 10:00 AM	16,760,900.0	WB	633.00	473,484.00	23	27.522	548	1.155
10/17/2017 2:30 PM	16,697,600.0	RST	1,192.00	891,616.00	34	35.059	821	1.452
9/13/2017 9:00 AM	16,578,400.0	RST	92.00	68,816.00	2	46.000	47	1.957
9/11/2017 10:00 AM	16,569,200.0	WB	1,725.00	1,290,300.00	20	86.250	480	3.594
8/22/2017 10:00 AM	16,396,700.0	WB	1,626.00	1,216,248.00	33	49.273	792	2.053
7/20/2017 10:00 AM	16,234,100.0	WB	1,452.00	1,086,096.00	28	51.857	672	2.161
6/22/2017 10:00 AM	16,088,900.0	WB	1,459.00	1,091,332.00	31	47.065	744	1.961
5/22/2017 10:00 AM	15,943,000.0	WB	707.00	528,836.00	34	20.794	816	0.866
4/18/2017 10:20 AM	15,872,300.0	RST	390.00	291,720.00	10	39.000	240	1.625
4/8/2017 10:00 AM	15,833,300.0	WB	623.00	466,004.00	24	25.958	576	1.082

This report was prepared by Advanced Environmental Landscape Design & Consulting, LLC. If you have any questions regarding this report, please contact us at (909) 980-8300 or water@aelandscaped.com

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 1

3/15/2017	10:00 AM	15,771,000.0	RST	189.00	141,372.00	7	27.000	168	1.125
3/8/2017	10:00 AM	15,752,100.0	WB	368.00	275,264.00	21	17.524	498	0.739
2/15/2017	4:25 PM	15,715,300.0	RST	154.00	115,192.00	8	19.250	198	0.778
2/7/2017	10:00 AM	15,699,900.0	WB	359.00	268,532.00	21	17.095	505	0.711
1/17/2017	9:52 AM	15,664,000.0	RST	198.00	148,104.00	7	28.286	167	1.186
1/10/2017	10:00 AM	15,644,200.0	WB	612.00	457,776.00	25	24.480	596	1.027
12/16/2016	2:42 PM	15,583,000.0	RST	261.00	195,228.00	9	29.000	220	1.186
12/7/2016	10:00 AM	15,556,900.0	WB	642.00	480,216.00	22	29.182	528	1.216
11/15/2016	10:00 AM	15,492,700.0	RST	245.00	183,260.00	7	35.000	168	1.458
11/8/2016	10:00 AM	15,468,200.0	WB	919.00	687,412.00	32	28.719	768	1.197
10/7/2016	10:00 AM	15,376,300.0	WB	835.00	624,580.00	22	37.955	526	1.587
9/15/2016	12:07 PM	15,292,800.0	RST	324.00	242,352.00	7	46.286	170	1.906
9/8/2016	10:00 AM	15,260,400.0	WB	1,460.00	1,092,080.00	24	60.833	576	2.535
9/8/2016	10:00 AM	15,260,400.0	WB	1,460.00	1,092,080.00	24	60.833	576	2.535
9/8/2016	10:00 AM	15,260,400.0	WB	1,460.00	1,092,080.00	24	60.833	576	2.535
9/8/2016	10:00 AM	15,260,400.0	WB	1,460.00	1,092,080.00	24	60.833	576	2.535
8/15/2016	10:00 AM	15,114,400.1	RST	36.00	26,928.00	7	5.143	168	0.214
8/8/2016	10:00 AM	15,110,800.0	WB	1,141.00	853,468.00	24	47.542	576	1.981
7/15/2016	10:49 AM	14,996,700.1	RST	394.00	294,712.00	7	56.286	168	2.345
7/8/2016	10:00 AM	14,957,300.0	WB	1,097.00	820,556.00	23	47.696	552	1.987
6/15/2016	10:05 AM	14,847,600.0	RST	336.00	251,328.00	7	48.000	168	2.000
6/8/2016	10:00 AM	14,814,000.0	WB	951.00	711,348.00	23	41.348	551	1.726
5/16/2016	11:43 AM	14,718,900.0	RST	226.00	169,048.00	8	28.250	193	1.171
5/8/2016	10:00 AM	14,696,300.0	WB	752.00	562,496.00	23	32.696	554	1.357
4/15/2016	8:00 AM	14,621,100.0	RST	194.00	145,112.00	7	27.714	166	1.169
4/8/2016	10:00 AM	14,601,700.0	WB	579.00	433,092.00	24	24.125	571	1.014
3/15/2016	3:10 PM	14,543,800.0	RST	117.00	87,516.00	7	16.714	173	0.676
3/8/2016	10:00 AM	14,532,100.0	WB	426.00	318,648.00	21	20.286	504	0.845
2/16/2016	10:33 AM	14,489,500.0	RST	144.00	107,712.00	8	18.000	192	0.750
2/8/2016	10:00 AM	14,475,100.0	WB	400.00	299,200.00	24	16.667	573	0.698
1/15/2016	1:05 PM	14,435,100.0	RST	477.00	356,796.00	31	15.387	747	0.639
12/15/2015	10:10 AM	14,387,400.0	RST	808.00	604,384.00	26	31.077	624	1.295
11/19/2015	10:00 AM	14,306,600.0	WB	803.00	600,644.00	30	26.767	720	1.115
10/20/2015	10:00 AM	14,226,300.0	WB	713.00	533,324.00	33	21.606	792	0.900
9/17/2015	10:00 AM	14,155,000.0	WMT	168.00	125,664.00	6	28.000	142	1.183
9/11/2015	12:30 PM	14,138,200.0	WMT	44.00	32,912.00	1	44.000	24	1.833
9/10/2015	12:00 PM	14,133,800.0	WMT	43.00	32,164.00	1	43.000	26	1.654
9/9/2015	10:00 AM	14,129,500.0	WB	295.00	220,660.00	23	12.826	552	0.534
8/17/2015	10:00 AM	14,100,000.0	WB	1,500.00	1,122,000.00	35	42.857	840	1.786
7/13/2015	10:00 AM	13,950,000.0	WB	1,250.00	935,000.00	34	36.765	816	1.532
6/9/2015	10:00 AM	13,825,000.0	WB	0.00	0.00	N/A	N/A	N/A	N/A

METER EVALUATION NOTES:

See Findings and Recommendations Report for specific meter notes.

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