



**Advanced Environmental Landscape
Design & Consulting, LLC**

CSLB C-27 Lic#708716
PO Box 8296, Alta Loma, CA 91737
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WATER MANAGEMENT **WATER ANALYSIS & RECOMMENDATIONS**

Property Name: Vista Del Cielo
Report Dated: 09/30/2017

HIGH PRIORITY RECOMMENDATIONS

High Priority Recommendations & Preventative Maintenance

WEBSITE LOGIN INFORMATION

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

1. Great Job, you have taken care of all your recommendations. There are no recommendations at this time, thank you!

WATER USAGE ANALYSIS SUMMARY

(See individual meter reports for more detailed information)

This Property is billed on bi-monthly basis.

DOMESTIC

Meter# 1: 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.

LANDSCAPE

Landscape System:

Irrigation Map: Irrigation Map available online.

Turf Removal: Turf removal is not recommended for this property.

Monte Vista Water District Watering Restrictions are: Please check our website for your district's current restrictions.

Controller in Compliance: Controller is not currently. Please see notes below in Landscape description.

“Save Water Today, So We Have Water Tomorrow”



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Landscape Usage:

Meter# 2: *Daily Average, Projected Monthly and Recent Water bill are all above budget.*
9/30/17: *Current landscape schedule and usage being assessed. Will update on next report.*

Pressure Testing: Building does have a pressure regulator. Pressure reading is 60 PSI, pressure is average, no concern.

“Save Water Today, So We Have Water Tomorrow”

Meter Summary Coversheet

Property Name **Vista Del Cielo**

Meter ID	Account Number	Meter Number	Meter Type
1	067-027-01	60823848	Domestic
2	067-026-00	71976585	Landscape
3	067-029-04	59542057	Domestic
4	067-028-00	35478291	Fire Service

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 1

Property Name	Vista Del Cielo		
Meter Number	60823848	Meter Type	Domestic
Account Number	067-027-01	Meter Type	2"

REPORT DATED
10/2/2017

Backflow Details: Designated Backflow ☒ Size 2" 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	
Description	10319 (1 BDR)	10319 (2 BDR)	10319 (3 BDR)	TOTALS
Units Served	1	17	8	26
Budget/Month/Unit	9	14	20	
Daily Budget Total	0.30	7.82	5.26	13.4
Monthly Budget Total	9.00	238.00	160.00	407.0
Bi-Monthly Budget Total				814.0

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

Physical Daily-Average		Projected vs. Actual Water Bill Analysis					
		Projected			Most Recent		
Physical Monthly-Average	3.667	Tier 1 @	\$2.39	223	\$532.97	220	\$525.80
	111.54	Tier 2 @					
		Tier 3 @					
		Tier 4 @					
		Tier 5 @					
Physical Bi-Monthly-Average	223.08	WATER CONSUMPTION TOTALS		223	\$532.97	220	\$525.80
		Readiness To Serve			\$156.25		\$156.25
		Montclair Utility Tax					\$26.53
		TOTAL USAGE & CHARGES			\$689.22		\$708.58

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)
9/14/2017 10:05 AM	1,209,670.0	RST	110.00	82,280.00	30	3.667	722	0.152
8/15/2017 8:27 AM	1,198,670.0	RST	44.70	33,435.60	12	3.725	286	0.156
8/3/2017 10:00 AM	1,194,200.0	WB	61.80	46,226.40	17	3.635	405	0.153
7/17/2017 1:35 PM	1,188,020.0	RST	126.40	94,547.20	32	3.950	774	0.163
6/15/2017 7:52 AM	1,175,380.0	RST	31.80	23,786.40	9	3.533	213	0.149
6/6/2017 10:00 AM	1,172,200.0	WB	82.20	61,485.60	22	3.736	527	0.156
5/15/2017 11:48 AM	1,163,980.0	RST	118.10	88,338.80	31	3.810	746	0.158
4/14/2017 9:15 AM	1,152,170.0	RST	35.70	26,703.60	9	3.967	215	0.166
4/5/2017 10:00 AM	1,148,600.0	WB	81.10	60,662.80	21	3.862	506	0.160
3/15/2017 8:01 AM	1,140,490.0	RST	108.60	81,232.80	28	3.879	667	0.163

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

Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 1

2/15/2017	1:50 PM	1,129,630.0	RST	43.30	32,388.40	9	4.811	219	0.198
2/6/2017	10:00 AM	1,125,300.0	WB	80.60	60,288.80	24	3.358	572	0.141
1/13/2017	2:16 PM	1,117,240.0	RST	114.90	85,945.20	29	3.962	697	0.165
12/15/2016	1:37 PM	1,105,750.0	RST	48.50	36,278.00	10	4.850	243	0.200
12/5/2016	10:00 AM	1,100,900.0	WB	65.10	48,694.80	20	3.255	475	0.137
11/15/2016	3:15 PM	1,094,390.0	RST	121.50	90,882.00	32	3.797	775	0.157
10/14/2016	8:43 AM	1,082,240.0	RST	35.40	26,479.20	9	3.933	214	0.165
10/5/2016	10:00 AM	1,078,700.0	WB	59.60	44,580.80	16	3.725	386	0.154
9/19/2016	8:32 AM	1,072,740.0	RST	128.80	96,342.40	35	3.680	837	0.154
8/15/2016	11:01 AM	1,059,860.0	RST	50.60	37,848.80	12	4.217	289	0.175
8/3/2016	10:00 AM	1,054,800.0	WB	73.40	54,903.20	19	3.863	451	0.163
7/15/2016	3:18 PM	1,047,460.0	RST	113.30	84,748.40	30	3.777	721	0.157
6/15/2016	2:25 PM	1,036,130.0	RST	36.30	27,152.40	9	4.033	220	0.165
6/6/2016	10:00 AM	1,032,500.0	WB	70.00	52,360.00	19	3.684	457	0.153
5/18/2016	9:00 AM	1,025,500.0	RST	124.00	92,752.00	30	4.133	718	0.173
4/18/2016	11:42 AM	1,013,100.2	RST	34.00	25,432.00	12	2.833	289	0.118
4/6/2016	10:00 AM	1,009,700.0	WB	95.00	71,060.00	22	4.318	525	0.181
3/15/2016	1:23 PM	1,000,200.0	RST	82.00	61,336.00	28	2.929	675	0.121
2/16/2016	10:44 AM	992,000.0	RST	77.00	57,596.00	13	5.923	312	0.247
2/3/2016	10:00 AM	984,300.0	WB	38.00	28,424.00	19	2.000	453	0.084
1/15/2016	1:35 PM	980,500.0	RST	108.00	80,784.00	31	3.484	748	0.144
12/15/2015	9:00 AM	969,700.0	RST	44.00	32,912.00	12	3.667	287	0.153
12/3/2015	10:00 AM	965,300.0	WB	198.00	148,104.00	59	3.356	1416	0.140
10/5/2015	10:00 AM	945,500.0	WB	136.20	101,877.60	31	4.394	742	0.184
9/4/2015	12:25 PM	931,880.5	WMT	55.61	41,596.28	8	6.951	193	0.288
8/27/2015	11:50 AM	926,320.0	WMT	4.30	3,216.40	1	4.300	24	0.179
8/26/2015	11:55 AM	925,890.2	WMT	131.90	98,661.20	19	6.942	457	0.289
8/7/2015	10:00 AM	912,700.0	WB	540.00	403,920.00	64	8.438	1536	0.352
6/4/2015	10:00 AM	858,700.0	WB	286.00	213,928.00	57	5.018	1368	0.209
4/8/2015	10:00 AM	830,100.0	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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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 2

Property Name	Vista Del Cielo		
Meter Number	71976585	Meter Type	Landscape
Account Number	067-026-00	Meter Type	3/4"

Backflow Details: Designated Backflow ☒ Size 2" Pressure Regulator? ☐

REPORT DATED
10/2/2017

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	29.69
Bi-Monthly Budget	59.38

Allocated S/F (Landscape) 7,097

WBIC (Weather Based Irrigation Controller) ☐

WBIC-MAKE/MODEL

PRECISION NOZZLES ☐

DROUGHT TOLERANT LANDSCAPE ☐

Projected vs. Actual Water Bill Analysis

		Projected		Most Recent	
Tier 1 @	\$2.23	215	\$479.45	142	\$316.66
Tier 2 @	\$3.19				
Tier 3 @					
Tier 4 @					
Tier 5 @					
WATER CONSUMPTION TOTALS		215	\$479.45	142	\$316.66
Readiness To Serve			\$126.75		\$126.75
Montclair Utility Tax					\$17.25
TOTAL USAGE & CHARGES			\$606.20		\$460.66

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)
9/14/2017 10:07 AM	528,000.0	RST	107.60	80,484.80	30	3.587	722	0.149
8/15/2017 8:28 AM	517,240.0	RST	41.40	30,967.20	12	3.450	286	0.145
8/3/2017 10:00 AM	513,100.0	WB	52.40	39,195.20	17	3.082	405	0.129
7/17/2017 1:37 PM	507,860.0	RST	76.50	57,222.00	32	2.391	774	0.099
6/15/2017 7:54 AM	500,210.0	RST	13.10	9,798.80	9	1.456	213	0.062
6/6/2017 10:00 AM	498,900.0	WB	30.30	22,664.40	22	1.377	527	0.057
5/15/2017 11:47 AM	495,870.0	RST	57.21	42,793.08	31	1.845	746	0.077
4/14/2017 9:15 AM	490,149.0	RST	7.49	5,602.52	9	0.832	215	0.035
4/5/2017 10:00 AM	489,400.0	WB	21.00	15,708.00	21	1.000	507	0.041
3/15/2017 7:57 AM	487,300.0	RST	20.60	15,408.80	28	0.736	666	0.031
2/15/2017 1:52 PM	485,240.0	RST	43.20	32,313.60	33	1.309	791	0.055

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Water Meter Inspection and Evaluation

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METER ID# 2

1/13/2017	2:18 PM	480,920.0	RST	22.80	17,054.40	29	0.786	697	0.033
12/15/2016	1:40 PM	478,640.0	RST	45.40	33,959.20	10	4.540	243	0.187
12/5/2016	10:00 AM	474,100.0	WB	51.20	38,297.60	20	2.560	475	0.108
11/15/2016	3:18 PM	468,980.0	RST	79.70	59,615.60	32	2.491	775	0.103
10/14/2016	8:42 AM	461,010.0	RST	30.10	22,514.80	9	3.344	214	0.141
10/5/2016	10:00 AM	458,000.0	WB	47.90	35,829.20	16	2.994	386	0.124
9/19/2016	8:35 AM	453,210.0	RST	82.10	61,410.80	28	2.932	671	0.122
8/22/2016	9:30 AM	445,000.0	WMT	18.80	14,062.40	7	2.686	166	0.113
8/15/2016	11:03 AM	443,120.0	RST	33.20	24,833.60	12	2.767	289	0.115
8/3/2016	10:00 AM	439,800.0	WB	64.40	48,171.20	19	3.389	451	0.143
7/15/2016	3:20 PM	433,360.0	RST	135.70	101,503.60	30	4.523	721	0.188
6/15/2016	2:25 PM	419,790.0	RST	16.90	12,641.20	9	1.878	220	0.077
6/6/2016	10:00 AM	418,100.0	WB	31.00	23,188.00	19	1.632	457	0.068
5/18/2016	9:05 AM	415,000.0	RST	49.70	37,175.60	33	1.506	790	0.063
4/15/2016	11:46 AM	410,030.0	RST	5.30	3,964.40	9	0.589	217	0.024
4/6/2016	10:00 AM	409,500.0	WB	5.00	3,740.00	22	0.227	525	0.010
3/15/2016	1:28 PM	409,000.0	RST	10.00	7,480.00	28	0.357	675	0.015
2/16/2016	10:46 AM	408,000.0	RST	7.00	5,236.00	13	0.538	312	0.022
2/3/2016	10:00 AM	407,300.0	WB	0.00	0.00	19	0.000	453	0.000
1/15/2016	1:38 PM	407,300.0	RST	0.00	0.00	31	0.000	748	0.000
12/15/2015	9:50 AM	407,300.0	RST	3.00	2,244.00	12	0.250	287	0.010
12/3/2015	10:00 AM	407,000.0	WB	4.00	2,992.00	59	0.068	1416	0.003
10/5/2015	10:00 AM	406,600.0	WB	68.29	51,080.92	31	2.203	742	0.092
9/4/2015	12:30 PM	399,770.9	WMT	34.70	25,955.60	8	4.338	192	0.181
8/27/2015	12:00 PM	396,300.7	WMT	2.61	1,952.28	1	2.610	24	0.109
8/26/2015	12:10 PM	396,040.1	WMT	98.40	73,603.20	19	5.179	458	0.215
8/7/2015	10:00 AM	386,200.0	WB	262.00	195,976.00	64	4.094	1536	0.171
6/4/2015	10:00 AM	360,000.0	WB	204.00	152,592.00	57	3.579	1368	0.149
4/8/2015	10:00 AM	339,600.0	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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Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 3

Property Name	Vista Del Cielo		
Meter Number	59542057	Meter Type	Domestic
Account Number	067-029-04	Meter Type	2"

REPORT DATED
10/2/2017

Backflow Details: Designated Backflow ☒ Size 2" 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		
Description	10319 (2 BDR)	10319 (3 BDR)		TOTALS
Units Served	17	7		24
Budget/Month/Unit	9	14		
Daily Budget Total	5.03	3.22		8.3
Monthly Budget Total	153.00	98.00		251.0
Bi-Monthly Budget Total				502.0

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	4.380	Tier 1 @	\$2.39	266	\$635.74	266	\$635.74
Physical Monthly-Average	133.23	Tier 2 @					
		Tier 3 @					
Physical Bi-Monthly-Average	266.45	Tier 4 @					
		Tier 5 @					
WATER CONSUMPTION TOTALS				266	\$635.74	266	\$635.74
Readiness To Serve				\$156.25		\$156.25	
Montclair Utility Tax						\$30.81	
TOTAL USAGE & CHARGES				\$791.99		\$822.80	

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)
9/14/2017 10:00 AM	1,982,900.0	RST	131.40	98,287.20	30	4.380	722	0.182
8/15/2017 8:30 AM	1,969,760.0	RST	57.60	43,084.80	12	4.800	286	0.201
8/3/2017 10:00 AM	1,964,000.0	WB	74.80	55,950.40	17	4.400	405	0.185
7/17/2017 1:39 PM	1,956,520.0	RST	147.90	110,629.20	32	4.622	771	0.192
6/15/2017 10:00 AM	1,941,730.0	WB	43.30	32,388.40	9	4.811	216	0.200
6/6/2017 10:00 AM	1,937,400.0	WB	97.90	73,229.20	22	4.450	527	0.186
5/15/2017 11:46 AM	1,927,610.0	RST	135.00	100,980.00	31	4.355	746	0.181
4/14/2017 9:16 AM	1,914,110.0	RST	41.10	30,742.80	9	4.567	215	0.191
4/5/2017 10:00 AM	1,910,000.0	WB	91.70	68,591.60	21	4.367	507	0.181
3/15/2017 7:59 AM	1,900,830.0	RST	114.40	85,571.20	28	4.086	666	0.172

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Water Meter Inspection and Evaluation

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METER ID# 3

2/15/2017	1:53 PM	1,889,390.0	RST	49.90	37,325.20	9	5.544	219	0.228
2/6/2017	10:00 AM	1,884,400.0	WB	84.60	63,280.80	24	3.525	572	0.148
1/13/2017	2:22 PM	1,875,940.0	RST	116.30	86,992.40	29	4.010	697	0.167
12/15/2016	1:41 PM	1,864,310.0	RST	53.10	39,718.80	10	5.310	243	0.219
12/5/2016	10:00 AM	1,859,000.0	WB	75.20	56,249.60	20	3.760	475	0.158
11/15/2016	3:19 PM	1,851,480.0	RST	135.90	101,653.20	32	4.247	775	0.175
10/14/2016	8:41 AM	1,837,890.0	RST	38.90	29,097.20	9	4.322	214	0.182
10/5/2016	10:00 AM	1,834,000.0	WB	69.40	51,911.20	16	4.338	386	0.180
9/19/2016	8:36 AM	1,827,060.0	RST	153.50	114,818.00	35	4.386	837	0.183
8/15/2016	11:08 AM	1,811,710.0	RST	56.10	41,962.80	12	4.675	289	0.194
8/3/2016	10:00 AM	1,806,100.0	WB	79.70	59,615.60	19	4.195	451	0.177
7/15/2016	3:21 PM	1,798,130.0	RST	130.80	97,838.40	30	4.360	721	0.181
6/15/2016	2:29 PM	1,785,050.0	RST	41.50	31,042.00	9	4.611	220	0.189
6/6/2016	10:00 AM	1,780,900.0	WB	79.00	59,092.00	19	4.158	457	0.173
5/18/2016	9:10 AM	1,773,000.0	RST	172.00	128,656.00	33	5.212	790	0.218
4/15/2016	11:48 AM	1,755,800.0	RST	10.00	7,480.00	9	1.111	217	0.046
4/6/2016	10:00 AM	1,754,800.0	WB	97.00	72,556.00	22	4.409	525	0.185
3/15/2016	1:30 PM	1,745,100.0	RST	121.00	90,508.00	28	4.321	675	0.179
2/16/2016	10:49 AM	1,733,000.0	RST	85.00	63,580.00	13	6.538	312	0.272
2/3/2016	10:00 AM	1,724,500.0	WB	45.00	33,660.00	19	2.368	453	0.099
1/15/2016	1:40 PM	1,720,000.0	RST	122.00	91,256.00	31	3.935	748	0.163
12/15/2015	9:05 AM	1,707,800.0	RST	54.00	40,392.00	12	4.500	287	0.188
12/3/2015	10:00 AM	1,702,400.0	WB	232.00	173,536.00	58	4.000	1392	0.167
10/6/2015	10:00 AM	1,679,200.0	WB	125.79	94,090.92	32	3.931	766	0.164
9/4/2015	12:35 PM	1,666,620.7	WMT	36.41	27,234.68	8	4.551	192	0.190
8/27/2015	12:05 PM	1,662,980.0	WMT	3.80	2,842.40	1	3.800	24	0.158
8/26/2015	12:15 PM	1,662,600.1	WMT	96.00	71,808.00	19	5.053	458	0.210
8/7/2015	10:00 AM	1,653,000.0	WB	273.00	204,204.00	64	4.266	1536	0.178
6/4/2015	10:00 AM	1,625,700.0	WB	252.00	188,496.00	57	4.421	1368	0.184
4/8/2015	10:00 AM	1,600,500.0	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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