



May 2023 Landscape Management Update



Mountain Park Ranch



Maintenance:

- General blowing and raking of the granite will be the focus through the next service cycles.
- We have also inspected numerous washes and they are all doing well sense the last cleaning and basically no rain over the last 45 days.
- Turf , Trees and Plants have all has their water cycle times increased with summer now upon us.

Looking ahead:

- Date Palms will be trimmed later this month at all Rec Centers and Monuments that have them.
- SLM cutbacks have been completed and now we are focusing on sight lines and the raking of the granite.
- We have had 7 WO over the last 30 , mostly for irrigation leaks that were repaired the same day in most cases and for tree limbs sheading into rear yards and asking for a trim back away from the walls.
- Turf Management program is in full swing with Aeration to all turf, irrigation system checks and application of our custom blended fertilizer with soil amendmets and wetting agents. See pages # 5,6 & 7

Water Management:

- The 2023 year is trending amazingly, we are **\$36K** below budget for the year and more importantly we are **\$27K** below for the same period in 2022. See page # 8 for usage update.

Homes: 6000 - Plus Commercial Locations
 Residents: Over 20,000
 Granite: 35 acres
 Turf: 17 acres
 Trees: 2667
 Irrigation Controllers: 63
 Irrigation Valves: 784
 Sprinkler Heads: 1,460
 Backflows: 63
 Value of Common Area Landscape **\$18,530,000**



Mountain Park Ranch

General Maintenance





Mountain Park Ranch
General Maintenance



ProQual Spray Log

No.
5/10/2023
01780

Job Details

Eric - App Lic #060204
Mountain Park Ranch HOA

Qualifying Party: Eric Wozniak
QA Lic #: 30955

Date
05/10/2023
Time
01:37 PM

Weather Conditions
Temperature (F)
81
Wind (mph)
3

GPS Location
[http://maps.google.com?
q=33.318031,-112.004608&z=1](http://maps.google.com?q=33.318031,-112.004608&z=1)
Location Description
Turf

Spray Details

Application Type
Turf Application
Work Being Performed
Turf management application preemergent

Chemicals / Rate Used
Fertilizer blend/ 4gal to acre
Resolute 65/1.25lbs to acre
Amount Sprayed (gallons)
425

Photo 1
Have all areas been completed?
Yes
Map of Area Completed today



Turf Management & Fertilization Program

ProQual Landscaping uses the Sustainable Landscape Management practices, according to the Arizona Landscape Contractors Association. This includes Seasonal Hard Pruning and Renovation Pruning techniques, based on our Annual Landscape Calendar. This supports and encourages flowering of our beautiful desert adaptive shrubs, which helps us achieve our goal to improve the appearance of your community.

ProQual Turf Management Program												
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
Granular Fertilization - Balanced Fertilizer						included					included	
Specialty Spray - Foliar Fertilizer	included	included	included	included	included		included	included				included
Weed Control (Turf)	included						included					
Aeration of turf					included							
Soil Amendment Application					included		included	included				
Premium Organic Nutrients					included		included	included				

Client: Harris Agri-Enterprises, LLC (Phoenix Specialty) 10355 South 60th Ave Phoenix AZ 85048	Driver: Pro Qual Landscaping- Phoenix, AZ Property: Club West	Report No: 19-014-0830 Cust No: 20782 Date Printed: 3/1/2019 Date Received: 3/1/2019 PFD Page: 3 of 4	
Lab Number: 00700	Field #:	Sample #: Club W3	
SOIL TEST RATINGS			
Test	Method	Results	Recommended Range
Soil pH	1:1	7.7	6.5 - 7.5
Phosphorus (P)	ppm	17 ppm	10 - 20 ppm
Potassium (K)	ppm	81 ppm	100 - 150 ppm
Calcium (Ca)	ppm	8128 ppm	1000 - 2000 ppm
Magnesium (Mg)	ppm	294 ppm	100 - 200 ppm
Sulfur (S)	ppm	60 ppm	10 - 20 ppm
Boron (B)	ppm	2.1 ppm	0.5 - 1.0 ppm
Copper (Cu)	ppm	1.7 ppm	0.5 - 1.0 ppm
Iron (Fe)	ppm	24 ppm	10 - 20 ppm
Manganese (Mn)	ppm	42 ppm	10 - 20 ppm
Zinc (Zn)	ppm	5.2 ppm	1 - 2 ppm
Sulfate-Soluble Nitrate	ppm	100 ppm	10 - 20 ppm
Soluble Nitrate	ppm	1.00 ppm	0.5 - 1.0 ppm
Organic Matter	%	3.6%	1.0 - 1.5%
Moisture Retention			

Turf Management Program

The sustainable turf management practices of aeration and amending the soil will greatly improve health and look of your turf. These practices result in a more fertile soil, which allows for increased nutrient consumption and promoting stronger root systems, while using less water.

Aeration

Aeration is the process of using mechanized equipment to puncture the soil. This vital process is performed to improve drainage, loosen the soil, reduce turf compaction, help with thatch buildup and to improve the penetration of water and nutrients.

Amendments & Wetting Agents

A soil amendment is added to improve the overall soil composition. In Phoenix, where our water is high in salts, soil amendments are added to break up the salt bonds within our soil. By breaking up these chemical bonds, nutrients become readily available for consumption by the roots.

Organic Nutrients

Soil that is rich in organic matter and microorganisms is able to hold more water and nutrients in the soil. By adding organic nutrients to the soil, the roots of your lawn will become deeper and the need for frequent irrigation will decrease. The end result is a lawn that is healthier, more drought resistant... and that looks great too!





Winter/Summer Turf Transition

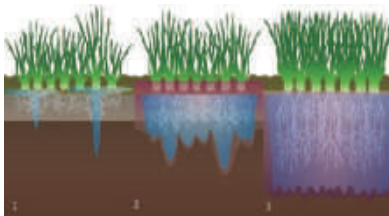
To ensure that the transition from the Rye grass back to Bermuda grass goes as smoothly as possible, there are a number of steps to take that help discourage the overseeded grass from overstaying its welcome.

Monitor Weather Temperatures. Bermuda growth begins to grow actively when nighttime temperatures are higher than 60 degrees Fahrenheit, for seven consecutive days.



Mowing the cool-season grass at a lower mow height will weaken the turf. Decreasing watering for one to two weeks to dry out the Rye that is hanging on will also encourage the summer turf to become the dominant species again.

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Maintenance Update / Water Monitoring

2023 WATER MANAGEMENT WORKSHEET

	SQ FOOTAGE	AREA	DENSITY	ACREAGE	COST PER KGALS	
TURF SF	740,800	48.3%	100%	17.8		
PLANT SF	892,380	54.7%	20%	20.8	\$0.78	
TOTAL AREA	1,633,180		TOTAL	27.6		

MONTH	Turf Budget		Plants Budget		Total Budgeted		Actual Usage	
	WATER BUDGET (KGALS)	COST PER MONTH	WATER BUDGET (KGALS)	COST PER MONTH	WATER BUDGET (KGALS)	WATER BUDGET	ACTUAL KGAL	ACTUAL COST
JANUARY	1,427.8	\$12,624.28	516.8	\$154.12	1,956.7	\$12,778.38	1538	\$9,581.88
FEBRUARY	1,783.4	\$18,838.42	643.8	\$191.18	2,426.9	\$19,849.60	1831	\$9,942.78
MARCH	3,147.0	\$27,878.32	1,133.4	\$338.89	4,274.4	\$37,816.01	2814	\$14,262.05
APRIL	3,785.5	\$32,973.24	1,393.9	\$409.84	5,206.4	\$33,842.88	3350	\$18,570.55
MAY	4,813.4	\$42,291.46	2,532.8	\$755.42	7,346.2	\$43,013.09	0	\$0.00
JUNE	5,183.8	\$45,512.58	2,727.6	\$855.30	7,911.3	\$46,322.88	0	\$0.00
JULY	4,880.3	\$42,725.80	2,990.0	\$790.00	7,426.9	\$43,486.57	0	\$0.00
AUGUST	4,264.4	\$37,617.36	2,254.9	\$690.74	6,536.9	\$39,287.00	0	\$0.00
SEPTEMBER	3,643.8	\$31,112.58	1,484.9	\$443.18	5,635.8	\$31,858.71	0	\$0.00
OCTOBER	2,891.2	\$25,736.16	1,057.7	\$314.20	3,988.9	\$29,150.35	0	\$0.00
NOVEMBER	2,002.9	\$17,565.73	632.4	\$187.86	2,635.3	\$17,773.59	0	\$0.00
DECEMBER	1,380.4	\$12,198.55	438.7	\$130.31	1,826.0	\$12,228.86	0	\$0.00
ANNUAL TOTAL	38,133.8	\$341,587.35	17,572.7	\$5,220.29	56,705.7	\$348,807.85	8733	\$ 53,017.38

Tracking	
DOLLAR TO BUDGET	% TO BUDGET
\$ (3,218.40)	75%
\$ (6,388.80)	60%
\$ (13,872.96)	55%
\$ (13,872.33)	59%
\$ -	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ (36,968.50)	15%

YTD TOTAL (KGALS)				RAINFALL			
2020	2021	2022	2023	2020	2021	2022	2023
857	886	2015	1681	0.19	0.68	0.22	0.83
1,900	1,427	2236	1881	1.34	0.60	0.28	0.44
1,235	3,881	3045	2514	0.81	0.57	0.33	
2,090	2,548	3108	2894	0.06	0.91	0.89	
2,712	4,814	7063	0	0.00	0.60	0.00	
3,006	4,421	4538	0	0.00	0.17	0.00	
4,818	4,738	8788	0	0.19	1.72	0.21	
4,718	1,431	4209	0	0.90	1.64	0.65	
3,800	2,552	3009	0	0.00	0.76	0.79	
2,862	8,881	4845	0	0.00	0.30	0.81	
3,365	4,801	5273	0	0.00	0.00	0.04	
7,181	1,486	1179	0	0.45	1.50	0.60	
47,681	40,839	18871	8733	3.97	7.11	6.78	1.41

YTD TO BUDGET	YOY DIFF +/- 2018
-\$36,968.50	\$ 53,017.38

Historical Annual Totals	
2020	\$ 256,311.88
2021	\$ 1,568,802
2022	\$ 311,170
2023	\$ -36,968.50

YTD TO BUDGET	YOY DIFF +/- 2018
-\$36,968.50	\$ 53,017.38

*BUDGET BASED ON REPLENISHING A LANDSCAPE WITH WATER MANAGEMENT PLAN AND TECHNOLOGY
 **AVERAGE RAINFALL IS BASED ON 1" ANNUALLY

Through the first 4 months of the year, we have been able to use \$36K (\$27K less vs. 2022) less in water. Proper management, rain and self adjusting controllers have contributed to these savings. The summer months will be a challenge as they always can be, however we are poised with a nice reserve to be available if needed during the hottest months of the year.



