

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Las Vegas Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 9/30/2016

Sample Location <u>FAIRWAY</u>		7				
Sample Identification						
Lab Number		0416-1				
Total Exchange Capacity (ME/100 g)		16.78				
pH (H ₂ O 1:1)		a 8.0				
Organic Matter (humus) %		3.72				
Estimated Nitrogen Release lb/A		87				
ANIONS	SOLUBLE SULFUR* ppm	179				
	PHOSPHORUS MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
	BRAY II lb/A P as P ₂ O ₅ ppm of P					
	OLSEN lb/A P as P ₂ O ₅ ppm of P	92 20				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	5084 2542				
	MAGNESIUM* lb/A ppm	690 345				
	POTASSIUM* lb/A ppm	294 147				
	SODIUM* lb/A ppm	116 58				
	BASE SATURATION PERCENT					
Calcium %	75.74					
Magnesium %	17.13					
Potassium %	2.25					
Sodium %	1.50					
Other Bases %	3.40					
Hydrogen %	0.00					
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		29				
Manganese** (ppm)		2				
Copper** (ppm)		1.38				
Zinc** (ppm)		8.72				
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Las Vegas Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 9/30/2016

Sample Location <u>GREEN</u>		7				
Sample Identification						
Lab Number		0417-1				
Total Exchange Capacity (ME/100 g)		8.56				
pH (H ₂ O 1:1)		a 8.4				
Organic Matter (humus) %		0.77				
Estimated Nitrogen Release lb/A		31				
ANIONS	SOLUBLE SULFUR* ppm	36				
	PHOSPHORUS MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
	BRAY II lb/A P as P ₂ O ₅ ppm of P					
	OLSEN lb/A P as P ₂ O ₅ ppm of P	234 51				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2754 1377				
	MAGNESIUM* lb/A ppm	274 137				
	POTASSIUM* lb/A ppm	116 58				
	SODIUM* lb/A ppm	58 29				
BASE SATURATION PERCENT						
Calcium	%	80.43				
Magnesium	%	13.34				
Potassium	%	1.74				
Sodium	%	1.47				
Other Bases	%	3.00				
Hydrogen	%	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	5				
	Manganese** (ppm)	2				
	Copper** (ppm)	0.78				
	Zinc** (ppm)	3.66				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location		TEE	7				
Sample Identification							
Lab Number			0418-1				
Total Exchange Capacity (ME/100 g)			13.89				
pH (H ₂ O 1:1)			a 8.2				
Organic Matter (humus) %			2.13				
Estimated Nitrogen Release lb/A			63				
ANIONS	SOLUBLE SULFUR* ppm		43				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
		BRAY II lb/A P as P ₂ O ₅ ppm of P					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	69 15				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		4022 2011				
	MAGNESIUM* lb/A ppm		646 323				
	POTASSIUM* lb/A ppm		372 186				
	SODIUM* lb/A ppm		100 50				
BASE SATURATION PERCENT							
Calcium %			72.39				
Magnesium %			19.38				
Potassium %			3.43				
Sodium %			1.57				
Other Bases %			3.20				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			26				
Manganese** (ppm)			2				
Copper** (ppm)			2.36				
Zinc** (ppm)			5.69				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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