

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 9/27/2017

Sample Location		TEE	8				
Sample Identification							
Lab Number			0576-1				
Total Exchange Capacity (ME/100 g)			15.73				
pH (H ₂ O 1:1)			a 8.0				
Organic Matter (360°C LOI) %			3.26				
Estimated Nitrogen Release lb/A			83				
ANIONS	SOLUBLE SULFUR* ppm		49				
	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	4392 2196				
	MAGNESIUM*	lb/A ppm	844 422				
	POTASSIUM*	lb/A ppm	376 188				
	SODIUM*	lb/A ppm	98 49				
BASE SATURATION PERCENT							
Calcium %			69.80				
Magnesium %			22.36				
Potassium %			3.06				
Sodium %			1.35				
Other Bases %			3.40				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			26				
Manganese** (ppm)			1				
Copper** (ppm)			2.14				
Zinc** (ppm)			6.44				
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 9/27/2017

Sample Location <u>FAIRWAY</u>		8				
Sample Identification						
Lab Number		0577-1				
Total Exchange Capacity (ME/100 g)		22.73				
pH (H ₂ O 1:1)		a 7.9				
Organic Matter (360°C LOI) %		5.17				
Estimated Nitrogen Release lb/A		101				
ANIONS	SOLUBLE SULFUR* ppm	224				
	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	115 25				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	6588 3294				
	MAGNESIUM* lb/A ppm	1112 556				
	POTASSIUM* lb/A ppm	424 212				
	SODIUM* lb/A ppm	132 66				
	BASE SATURATION PERCENT					
	Calcium %	72.46				
	Magnesium %	20.38				
	Potassium %	2.39				
	Sodium %	1.26				
	Other Bases %	3.50				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	34				
	Manganese** (ppm)	1				
	Copper** (ppm)	2.27				
	Zinc** (ppm)	12.73				
	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 9/27/2017

Sample Location <u>GREEN</u>		8				
Sample Identification						
Lab Number		0578-1				
Total Exchange Capacity (ME/100 g)		9.81				
pH (H ₂ O 1:1)		a 8.2				
Organic Matter (360°C LOI) %		0.67				
Estimated Nitrogen Release lb/A		27				
ANIONS	SOLUBLE SULFUR* ppm	56				
	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	279 61				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3216 1608				
	MAGNESIUM* lb/A ppm	286 143				
	POTASSIUM* lb/A ppm	124 62				
	SODIUM* lb/A ppm	48 24				
	BASE SATURATION PERCENT					
	Calcium %	81.96				
	Magnesium %	12.15				
	Potassium %	1.62				
	Sodium %	1.06				
	Other Bases %	3.20				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	5				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.09				
	Zinc** (ppm)	3.40				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable