



BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

**** PHYSICAL ANALYSIS REPORT ****

Anthem Country Club
2708 W Anthem Club Drive
Phoenix, AZ 85086

File Number: 85330

Date Received/Started : 3/13/2025
Date Completed/Reported: 3/19/2025
Date Issued: 3/19/2025

Submitted By: Soil and Water Consulting

Lab Number	0037
Sample Description	IRONWOOD COURSE GREEN 2 0-3"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.20
** D60: 0.60
** Coefficient of Uniformity: 3.02

** NON A2LA ACCREDITED
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* *These results represent the sample submitted only.*

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Submitted By: Soil and Water Consulting

Lab Number 0037
Sample Description IRONWOOD COURSE
GREEN 2
0-3"

Particle Size Analysis

Clay	<.002mm	%	0.20
Silt	.002mm - .05mm	%	1.70
Sand	.05mm - 2.00mm	%	93.3
Gravel	> 2.0mm	%	4.8

Org Mat 360 deg C (LOI) 4.23

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	4.8
18 - 1.0	Very Coarse Sand	7.0
35 - .500	Coarse Sand	35.6
60 - .250	Medium Sand	37.5
100 - .150	Fine Sand	10.2
140 - .106	Very Fine Sand	2.2
270 - .053	Very Fine Sand	0.8



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Lab Number	0038
Sample Description	IRONWOOD COURSE GREEN 2 BELOW 3'
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.18
** D60: 0.51
** Coefficient of Uniformity: 2.84

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Completed : 3/19/2025

Submitted By: Soil and Water Consulting

Lab Number 0038
Sample Description IRONWOOD COURSE
GREEN 2
BELOW 3'

Particle Size Analysis

Clay	<.002mm	%	1.20
Silt	.002mm - .05mm	%	0.80
Sand	.05mm - 2.00mm	%	97.4
Gravel	> 2.0mm	%	0.6

Org Mat 360 deg C (LOI) 0.47

Sand Fractions

Sieve Size			% Retained
#	mm		
10 -	2.0	Fine Gravel	0.6
18 -	1.0	Very Coarse Sand	6.2
35 -	.500	Coarse Sand	34.1
60 -	.250	Medium Sand	39.9
100 -	.150	Fine Sand	13.3
140 -	.106	Very Fine Sand	2.8
270 -	.053	Very Fine Sand	1.1