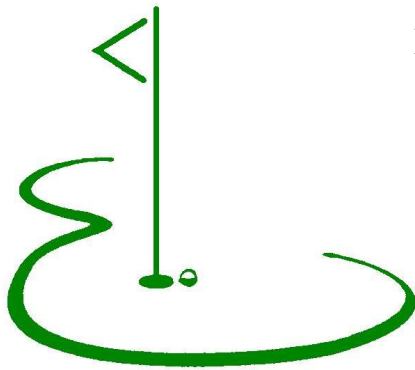




BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

**** PHYSICAL ANALYSIS REPORT ****

Porter Valley Country Club
19216 Singing Hills Drive
Northridge, CA 91326

File Number: 91413

Date Received/Started : 5/1/2025
Date Completed/Reported: 5/7/2025
Date Issued: 5/7/2025

Submitted By: Soil and Water Consulting

Lab Number	1005
Sample Description	BUNKER SAND G20/16R
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.23
** D60: 0.85
** Coefficient of Uniformity: 3.65

*Reported values are an average of duplicated analysis

** NON A2LA ACCREDITED
* *This report may only be reproduced in its entirety.*
* *These results represent the sample submitted only.*



Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

BUNKER SAND CHARACTERIZATION

Porter Valley Country Club
 19216 Singing Hills Drive
 Northridge, CA 91326

File Number : 91413
 ** Date of Analysis **
 Start Date : 5/1/2025
 Completed : 5/7/2025

Submitted By: Soil and Water Consulting Reviewed by:

Tiffany Albers

Lab Number 1005
 Sample Description BUNKER
 SAND
 G20/16R

Particle Size Analysis

Clay	<.002mm	%	0.3
Silt	.002mm - .05mm	%	0.9
Sand	.05mm - 2.00mm	%	98.5
Gravel	> 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 0.19

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.3
18 -	1.0	Very Coarse Sand 29.1
35 -	.500	Coarse Sand 34.6
60 -	.250	Medium Sand 24.3
100 -	.150	Fine Sand 9.4
140 -	.106	Very Fine Sand 0.7
270 -	.053	Very Fine Sand 0.4

*COLOR 6/2 10 YR LIGHT BROWNISH GRAY

*CRUSTING CHARACTERISTICS SLIGHT

VISUAL CLASSIFICATION Medium
 sphericity/subangular
 to subrounded

*BALL LIE RATING KG/CM2 2.50

*CALCIUM CARBONATE EQUIVALENT% < 1.0

Client Name: Porter Valley Country Club
Submitted By: Soil and Water Consulting
Lab Number: 1005
Sample Description: BUNKER
SAND
G20/16R

File Number : 91413
** Date of Analysis **
Start Date : 5/1/2025
Completed : 5/7/2025

