



WOOD RODGERS

September 9, 2021
Project No. 2892040

Mr. Eric Jones
JOY ENGINEERING
1584 Wolf Meadows Lane
Portola, California 96122

RE: Pitchfork Quarry – Class A Backfill

Dear Mr. Jones:

Per your request, we have performed testing on the Class A Backfill delivered to our laboratory from the Pitchfork Quarry. Test results in comparison with local standard specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	Pitchfork Quarry	SSPWC* Specifications
3/8 Inch	100	100
No. 4	100	90 - 100
No. 8	98	-
No. 16	96	-
No. 30	85	-
No. 50	58**	10 - 40
No. 100	19	3 - 20
No. 200	3.8	0 - 15

Atterberg Limits (ASTM D4318)		
	Pitchfork Quarry	SSPWC* Specifications
Plasticity Index	Non-Plastic	6 Maximum

Moisture Density (ASTM D1557)	
Maximum Dry Density	113.0 PCF
Optimum Moisture	12.2%

*Standard Specifications for Public Works Construction (Washoe County, Sparks, Reno, Carson City and Douglas County) 2016 and NDOT Standard Specifications for Road and Bridge Construction, 2014.

** Out of Specification

We appreciate the opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to call.

Sincerely,

Wood Rodgers, Incorporated

Wheeler Musnicki
Wheeler Musnicki
Laboratory Technician

Mischelle J. Smith
Mischelle J. Smith, PE
Associate
Number 38777
Expires 03-31-23

