

MADRID ENGINEERING GROUP, INC.

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PARTICLE SIZE ANALYSIS / STACKED SIEVE GRADATION

Project Number: 11902 **MEG Report Number:** 11902-SG005
Project Name: Gurr Professional Services **Date Tested:** 1/8/2015
Project Location: Polk **Tested By:** DRJ
Client: Gurr Professional Services

Soil Description: Mixed sample **USCS Code:** SP

<i>Moisture / Minus No. 200 Sieve Wet Wash</i>				Date: 30-Dec		By: DRJ		
Sample	Cont Name	W _c + S _w (g)	W _c + S _D (g)	W _c (g)	Solids Content (%)	Moisture Content (%)	W _c + S _R (g)	<#200 (%)
M001	L11	398.20	391.46	13.40	98.2%	1.8%	387.89	0.9%

Total Weight of dry soil: 378.1 g

Sieve Number	Opening (mm)	W _c + S _D (g)	W _c (g)	Accum S _D (g)	Percent Finer	Specifications			
						FDOT Concrete	FDOT Masonry	Local Materials	ASTM Concrete
3/8"	9.500	13.4	13.4	0.0	100.0%	100.0%	100.0%	100.0%	100.0%
4	4.750	13.4	13.4	0.0	100.0%	95-100%	100.0%	---	95-100%
8	2.400	13.4	13.4	0.0	100.0%	85-100%	100.0%	---	80-100%
10	2.000	13.4	13.4	0.0	100.0%	---	---	85-100%	---
16	1.200	13.9	13.4	0.5	99.9%	65-97%	---	---	50-85%
30	0.600	28.8	13.4	15.9	95.8%	25-70%	---	---	25-60%
50	0.300	125.9	13.4	128.4	66.0%	5-35%	---	---	5-30%
100	0.150	204.7	13.4	319.7	15.4%	0-7%	---	---	0-10%
200	0.075	68.19	13.4	374.5	0.9%	<=4.0	---	<=15%	<=3.0*
Pan		13.4	13.4	374.5	0.0%				

*Note: For concrete not subject to abrasion, the limit for material finer than the #200 sieve shall be 5.0% maximum.

