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TO WHOM IT MAY CONCERN

FROM: Ron Vaughn

DATE: June 30, 2017

The test results for our 3/4" to #4 (344) material is listed below. These numbers represent the average of last year's production.

Gradation:

<u>SIEVE</u>	<u>% Passing</u>
1" (25 mm)	100
3/4" (19 mm)	98
1/2" (12.5 mm)	64
3/8" (9.5 mm)	39
#4 (4.75 mm)	8
#200 (.075 mm)	2

Specific Gravity : 1.50

Density (OD): 44 pcf (Minimum)
(Wet @10%) 48 pcf
(AASHTO T-99) 53 pcf (Dry - Maximum)
58 pcf (Wet)

Soundness (ASTM C88)

Magnesium Sulfate (5 Cycle) = 1.2% Loss

LA Abrasion (ASTM C131)

Grading B = 26.8% Loss

If you have any further questions, please do not hesitate to contact me.

Ronald E. Vaughn
Director of Technical Services

cc: RV/file

pH: 7.0 (AASHTO T289-1)

Chloride Content: 34 ppm
(AASHTO T291-I)

Resistivity 663,013 ohm-cm
(AASHTO T288-I)

Internal Angle of Friction in Degrees
Loose: 41.5 @ 41.5 pcf & 17.3% mc
Compacted: 46.6 @ 52.0 pcf & 17.3%
By: ASTM D4030

Sulfate Content: (AASHTO T290-I) =
<50 ppm