



December 4, 2015

Mr. Ben Phillips
Ben Phillips Recycling
14 Commerce Parkway
Fredericksburg, VA 22406

Reference: Crushed Concrete Laboratory Analysis
DEA Project No. 5526

Mr. Phillips:

Dominion Engineering Associates, Inc. (DEA) received a bulk sample from an offsite stockpile of crushed concrete to evaluate for compliance with the VDOT Road and Bridge specification 208.01/208.03 for 21A or 21B. A representative sample of the crushed concrete was tested in our laboratory in accordance with VTM-25. The gradation requirements per the chart referenced in specification and associated results are summarized below:

Sieve Size	Design Range (Percent Passing)	Job Mix Tolerance (%)	Lab Percent Passing	Pass (P) Fail (F)
2 inch	100	0	100	P
1 inch	94-100	±10	100	P
3/8 inch	63-72	±19	82	P
No. 10	32-41	±14	40	P
No. 40	14-24	±8	13	P
No. 200	6-12	±4	11	P

This report has been prepared in accordance with generally acceptable geotechnical engineering practices and no other warranties, either expressed or implied, are made. If you should have any questions with the above or if we can be of further assistance, please do not hesitate to contact us.

Respectfully:
Dominion Engineering Associates, Inc.

A handwritten signature in blue ink, appearing to read "KLP", is written over the signature line.

Kevin L. Parris
President



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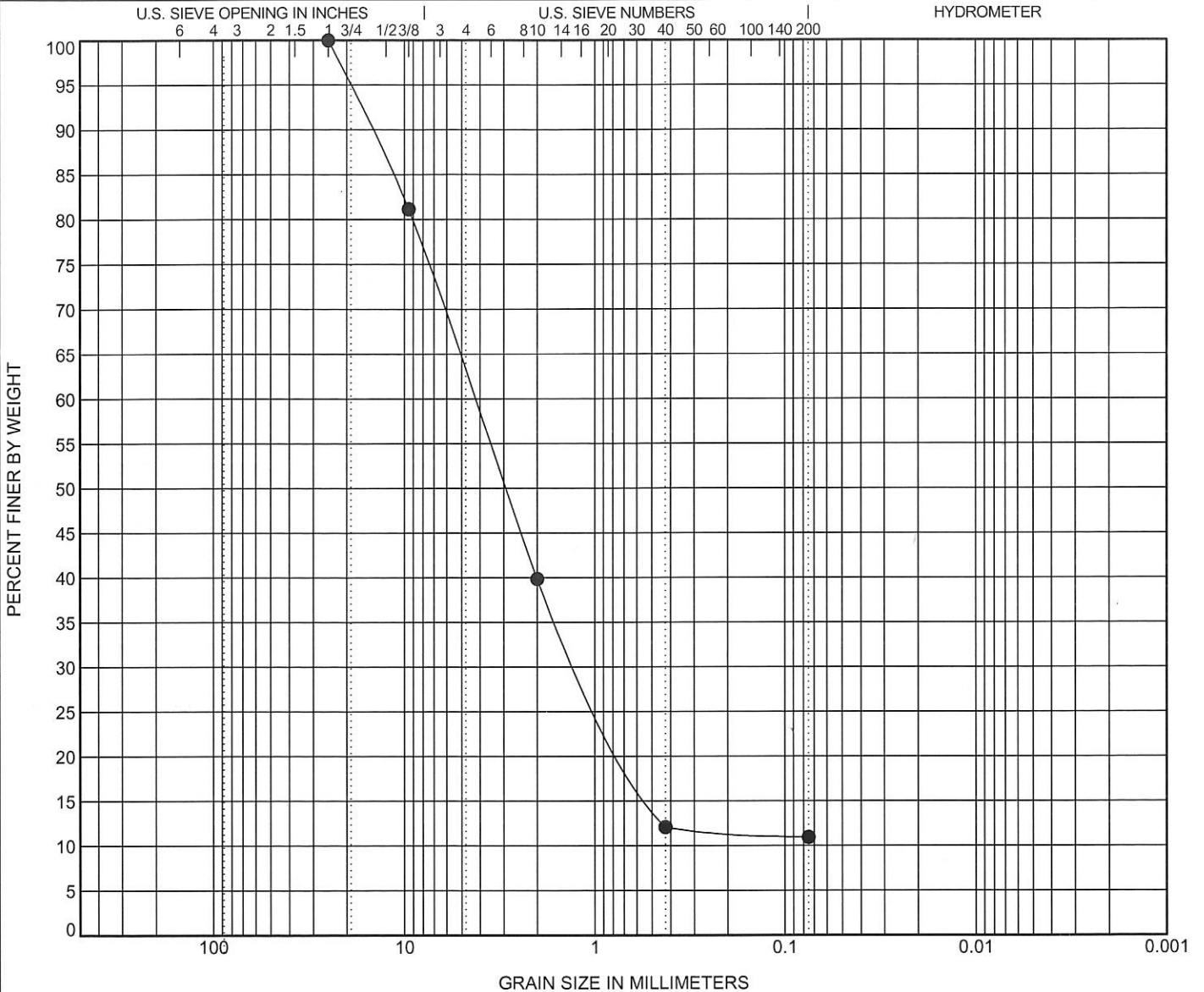
GRAIN SIZE DISTRIBUTION

CLIENT Ben Phillips Recycling

PROJECT NAME Ben Phillips Recycling

PROJECT NUMBER 5526

PROJECT LOCATION Culpeper, Virginia



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification					LL	PL	PI	Cc	Cu	
●	5648	2.0	Recycled Concrete					NP	NP	NP	17.51	240.39
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay			
●	5648	2.0	25	4.276	1.154	37.2	51.8	10.9				

GRAIN SIZE 5526 BEN PHILLIPS RECYCLING.GPJ GINT US LAB.GDT 12/3/15