

GRAIN SIZE DISTRIBUTION TEST DATA

8/19/2014

Location: Enviro Tech 2014

Material Description: 703.11 Type 1 Recycled Concrete

Sample Date: 8-18-14

Date Received: 8-18-14

Testing Remarks: Recycled

Tested By: LS

Test Date: 8-19-14

Checked By: SH

Material specification: 703.11 Type 1

PASS

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer	Lower Spec. Limit, %	Upper Spec. Limit, %	Deviation From Spec., %
6757.00	0.00	0.00	2"	0.00	100.0	100.0	100.0	
			1"	820.00	87.9	70.0	100.0	
			0.75"	1372.00	79.7	50.0	90.0	
			#4	3941.00	41.7	30.0	60.0	
			#30	5803.00	14.1	9.0	33.0	
			#200	6521.30	3.5	0.0	20.0	

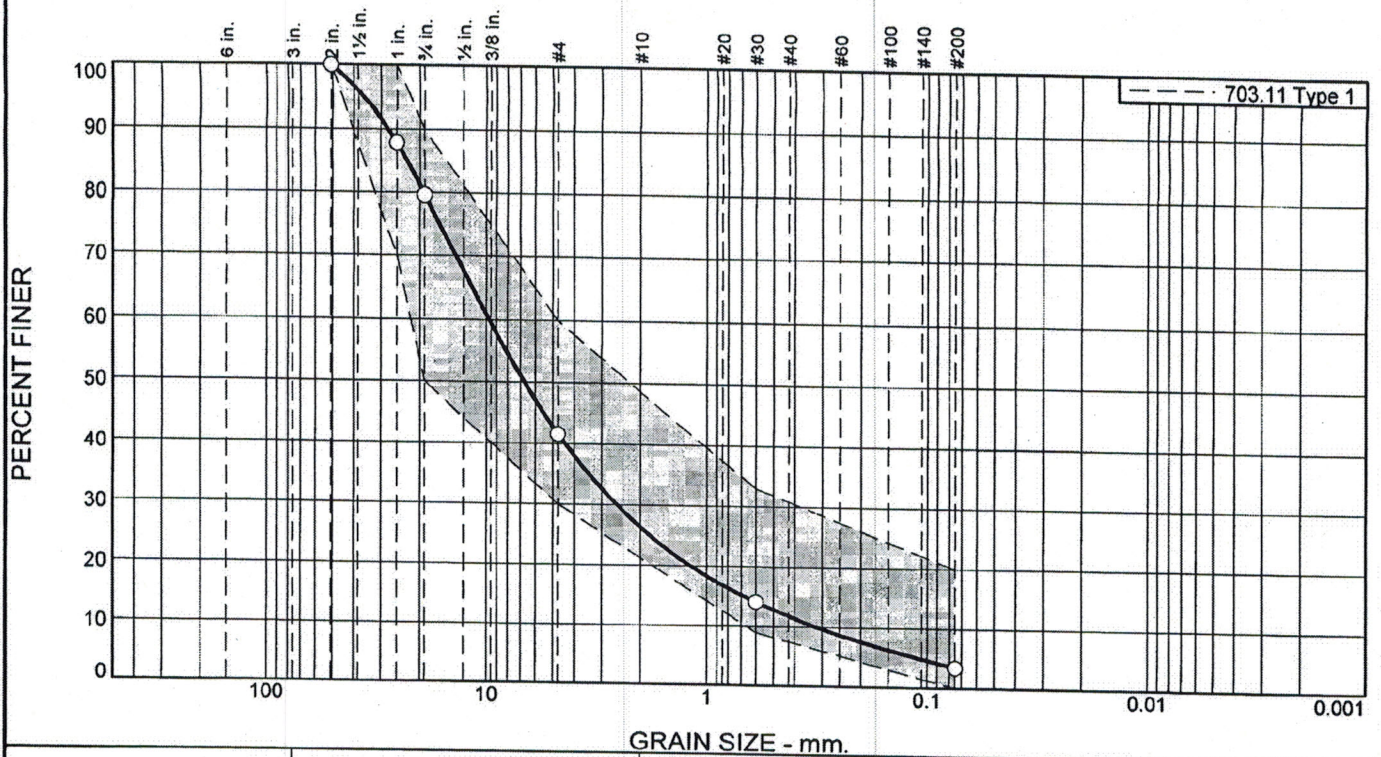
Fractional Components

Cobbles	Gravel	Sand			Fines		
		Coarse	Fine	Total	Silt	Clay	Total
0.0	73.7	14.5	8.3	22.8			3.5

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
0.3145	0.6751	1.1844	2.5642	6.7243	9.7438	19.2446	22.8221	27.7874	36.0683

Fineness Modulus	C _u	C _c
5.44	30.99	2.15

Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines	
		Coarse	Fine	Silt	Clay
0.0	73.7	14.5	8.3	3.5	

TEST RESULTS			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
2"	100.0	100.0	
1"	87.9	70.0 - 100.0	
0.75"	79.7	50.0 - 90.0	
#4	41.7	30.0 - 60.0	
#30	14.1	9.0 - 33.0	
#200	3.5	0.0 - 20.0	

Material Description

703.11 Type 1 Recycled Concrete 57

Atterberg Limits (ASTM D 4318)

PL= _____ LL= _____ PI= _____

Classification

USCS (D 2487)= _____ AASHTO (M 145)= _____

Coefficients

D₉₀= 27.7874 D₈₅= 22.8221 D₆₀= 9.7438
 D₅₀= 6.7243 D₃₀= 2.5642 D₁₅= 0.6751
 D₁₀= 0.3145 C_u= 30.99 C_c= 2.15

Recycled Remarks _____

Date Received: 8-18-14 Date Tested: 8-19-14
 Tested By: LS
 Checked By: SH
 Title: _____

* 703.11 Type 1

Location: Enviro Tech 2014

Date Sampled: 8-18-14

City of Columbus

Client: _____
 Project: _____

Project No: _____

Figure _____