

Site Analytical Services Ltd.



Site Investigations, Analytical & Environmental Chemists, Laboratory Testing Services.

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F. J. Gibbs, F.I.B.M.S. F.I.F.S.T., F.R.S.H. K. J. Blanchette

Your Ref:

VERBAL
JAMES GANNON

Our Ref:

16/26128-1
JSW/KLB

SAMPLE OF 'CRUSHED CONCRETE'
RE: BRADFIELD ROAD, LONDON E16

SUBMITTED BY RECYCLED MATERIAL SUPPLIES LIMITED

RECEIVED ON 1st DECEMBER 2016

INTRODUCTION

A sample of the above material was received into the laboratory for determination of particle size distribution for compliance with the grading requirements of the Department for Transport Specification for Highway Works. Volume 1. Series 800. Clause 803. Table 8/5. Granular Sub-base Material Type 1.

RESULTS

The sample was sub-contracted to K4 Soils laboratory (a UKAS accredited laboratory) and their results are contained in the Appendix to this report.

p.p. SITE ANALYTICAL SERVICES LIMITED

20th January 2017

J S Warren M.R.S.C.
DIRECTOR



Reg Office: Units 14 +15, River Road Business Park,
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Business Reg. No. 2255616





Site Analytical Services Ltd.

A P P E N D I X

K4 Soils Laboratory

TEST REPORT

K4 Soils Laboratory



Sample Details

Certificate of sampling received: No
Laboratory Ref No: K4:22041 - 16/26128
Client Ref No: DOT Type 1 - Recycled Crushed Concrete
Sampling Location: Sunshine Wharf, Bradfield Road, London E16 2AX
Name of Source: Sunshine Wharf, Bradfield Road, London E16 2AX
Date Sampled: 01/12/2016
Date Received: 02/12/2016
Date Tested: 19/01/2017
Method of Sampling: Recycled Materials Supplies Limited, in-house method
Material Description: FMC crushed concrete with brown sandy fines

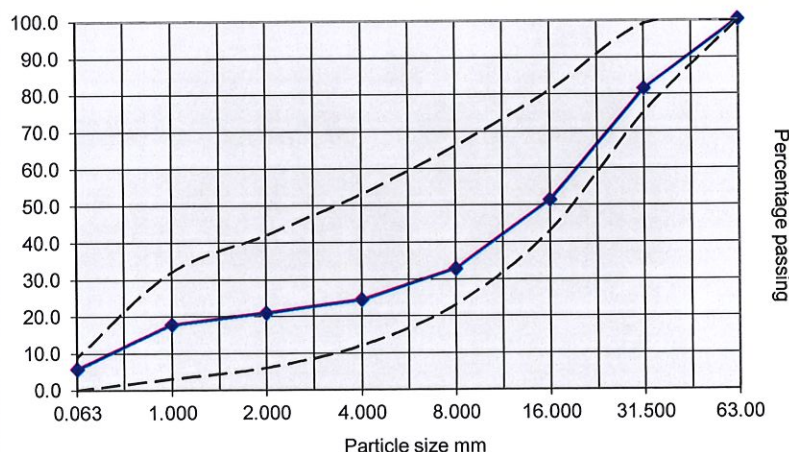
Aggregate Type and Nominal Size: Recycled Type 1
Target Specification: SHW Series 800: clause 803 Table 8/5 overall grading range
Type 1 Unbound Mixture

Results:

Unrepresentative lumps were present : **NO**

BS Test Sieve	Cumulative Percentage Passing	Specification limits	
63.0	100	100	100
31.5	81	75	99
16.0	51	43	81
8.0	33	23	66
4.0	24	12	53
2.0	21	6	42
1.0	18	3	32
0.063	5.6	0	9

Percent in Fraction Size			
Fraction Size	Percentage	Specification Limits	
8/16	19	7	30
4/8	8	7	30



Sample complies with specification limits: **YES**



Particle Size Distribution

BS EN 933-1: 1997

Determination of particle size distribution of aggregate sample-washing and sieving method

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Test Results relate only to the sample numbers shown above. Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

All samples connected with this report, incl any on 'hold' will be stored and disposed off according to Company policy. A copy of this policy is available on request.

Checked and Approved

Initials: J.P

20/01/2017

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Your Ref:

VERBAL
JAMES GANNON

Our Ref:

16/26128-2
JSW/KLB

SAMPLE OF 'CRUSHED CONCRETE'
RE: BRADFELD ROAD, LONDON E16

SUBMITTED BY RECYCLED MATERIAL SUPPLIES LIMITED

RECEIVED ON 1st DECEMBER 2016

INTRODUCTION

A sample of the above material was received into the laboratory for determination of particle size distribution for compliance with the grading requirements of the Department for Transport Specification for Highway Works. Volume 1. Series 600. Table 6/2. Class 6F2 Material.

RESULTS

The sample was sub-contracted to K4 Soils laboratory (a UKAS accredited laboratory) and their results are contained in the Appendix to this report.

p.p. SITE ANALYTICAL SERVICES LIMITED

20th January 2017

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Site Analytical Services Ltd.

A P P E N D I X

K4 Soils Laboratory

TEST REPORT

Page 1 of 2

K4 Soils Laboratory



Sample Details

Certificate of sampling received: No

Laboratory Ref No: K4:22041 - 16/26128

Client Ref No: DOT Class 6F2 - Recycled Crushed Concrete

Sampling Location: Sunshine Wharf, Bradfield Road, London E16 2AX

Name of Source: Sunshine Wharf, Bradfield Road, London E16 2AX

Date Sampled: 01/12/2016

Date Received: 02/12/2016

Date Tested: 19/01/2017

Method of Sampling: Recycled Materials Supplies Limited, in-house method

Material Description: FMC crushed concrete

Target Specification: SHW Series 600: Table 6/1 and Table 6/2
Class 6F2 - Selected Granular Material - Coarse Grading - Capping

Results:

Unrepresentative lumps were present : NO

Sample complies with specification limits: YES

BS Test Sieve	Cumulative Percentage	Specification Limits	
125.0	100	100	100
90.0	100	80	100
75.0	81	65	100
37.5	53	45	100
10.0	26	15	60
5.0	21	10	45
0.600	16	0	25
0.063	6.9	0	12

results continued on page 2.....



Particle Size Distribution

BS 1377-2: 1990 9.2

Determination of particle size Distribution - Sieving Method

Checked and Approved

Initials: J.P
20/01/2017

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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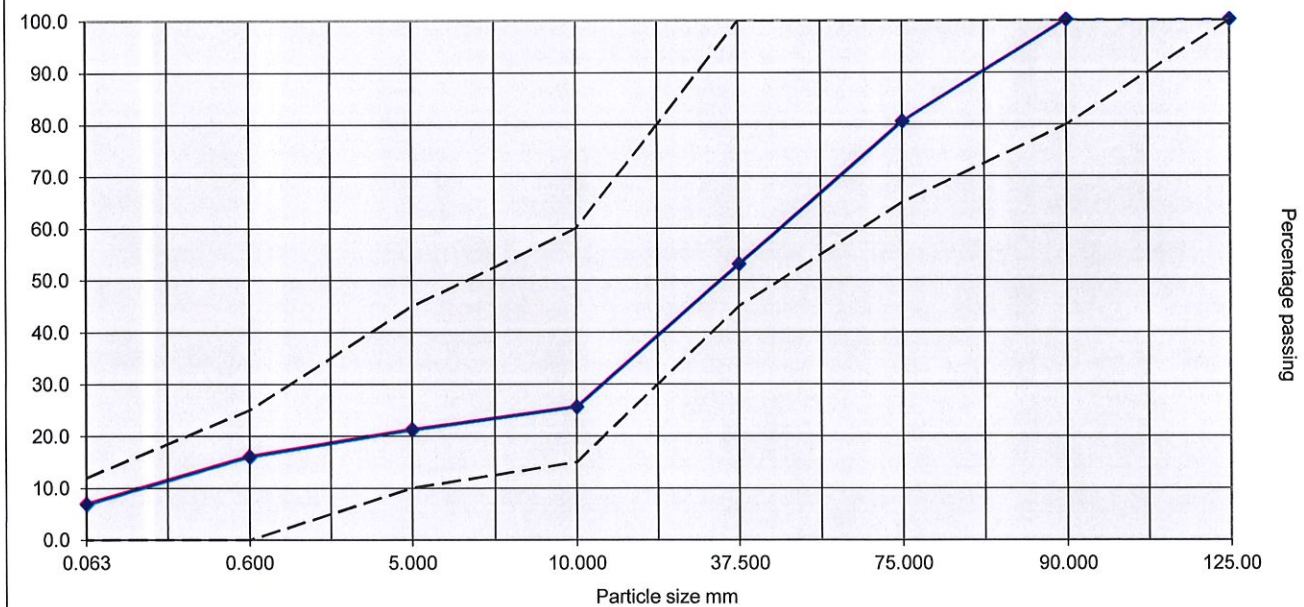
TEST REPORT

K4 Soils Laboratory



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Material Designation Class 6F2			
BS Test Sieve	Cumulative Percentage Passing	Specification Limits	
125.0	100.0	100	100
90.0	100.0	80	100
75.0	80.5	65	100
63.0	74.4		
50.0	74.4		
37.5	53.1	45	100
28.0	45.5		
20.0	37.3		
14.0	30.3		
10.0	25.6	15	60
6.3	22.0		
5.0	21.2	10	45
3.35	19.9		
2.000	18.8		
1.180	17.7		
0.600	16.0	0	25
0.425	14.4		
0.300	12.0		
0.212	10.2		
0.150	9.0		
0.063	6.9	0	12



Particle Size Distribution

BS 1377-2: 1990 9.2

Determination of particle size Distribution - Sieving Method

Checked and Approved

Initials: J.P

20/01/2017

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