



M505, Robroyston North

CBR Test Results

Table 2

Exp. Point No	Sample Depth (m)	Sample Type/No.	Natural Moisture Content (%)	Method of Sample Preparation	Test Dry Density (Mg/m ³)	C.B.R. (%)	Retained on 20mm Sieve (%)
TP305	0.80	B	20.9	2.5kg Rammer	1.61	0.4	8
TP309	0.70	B	27.0	2.5kg Rammer	1.46	0.5	1
TP311	1.10	B	21.3	2.5kg Rammer	1.67	0.7	0
TP313	0.90	B	20.5	2.5kg Rammer	1.62	0.2	3
TP315	0.65	B	20.0	2.5kg Rammer	1.66	0.2	5
TP318	1.20	B	16.3	2.5kg Rammer	1.75	1.0	4
TP321	0.70	B	24.8	2.5kg Rammer	1.49	0.3	1
TP326	0.80	B	21.8	2.5kg Rammer	1.60	0.3	2
TP329	0.60	B	17.6	2.5kg Rammer	1.66	0.4	7
TP332	0.90	B	25.1	2.5kg Rammer	1.44	0.6	3
TP335	0.70	B	25.9	2.5kg Rammer	1.55	0.7	2
TP340	0.70	B	15.4	2.5kg Rammer	1.76	1.9	4
TP341	0.60	B	22.0	2.5kg Rammer	1.55	0.8	3
TP342	0.90	B	27.2	2.5kg Rammer	1.38	0.5	1
TP343	0.60	B	28.2	2.5kg Rammer	1.49	1.1	1
TP345	0.80	B	16.3	2.5kg Rammer	1.69	0.8	8
TP346	0.60	B	24.3	2.5kg Rammer	1.50	0.5	5
TP347	0.70	B	21.0	2.5kg Rammer	1.58	0.9	1



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Exp. Point No	Sample Depth (m)	Sample Type/No.	Natural Moisture Content (%)	Method of Sample Preparation	Test Dry Density (Mg/m ³)	C.B.R. (%)	Retained on 20mm Sieve (%)
TP349	0.70	B	19.3	2.5kg Rammer	1.70	1.2	0
TP359	0.80	B	23.2	2.5kg Rammer	1.63	1.1	1
TP364	0.70	B	19.5	2.5kg Rammer	1.66	0.8	3
TP365	1.20	B	21.5	2.5kg Rammer	1.57	0.3	2
TP366	1.60	B	14.4	2.5kg Rammer	1.68	0.3	12
TP370	0.70	B	17.7	2.5kg Rammer	1.66	1.1	8
TP372	0.80	B	16.1	2.5kg Rammer	1.66	0.8	4
TP374	0.65	B	31.6	2.5kg Rammer	1.29	0.2	2
TP377	0.70	B	26.5	2.5kg Rammer	1.54	0.6	0
TP380	0.60	B	23.3	2.5kg Rammer	1.47	0.5	5
TP390	0.70	B	19.5	2.5kg Rammer	1.71	0.2	9



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Client :

Engineer: JOHNSON POOLE & BLOOMER

Job Number

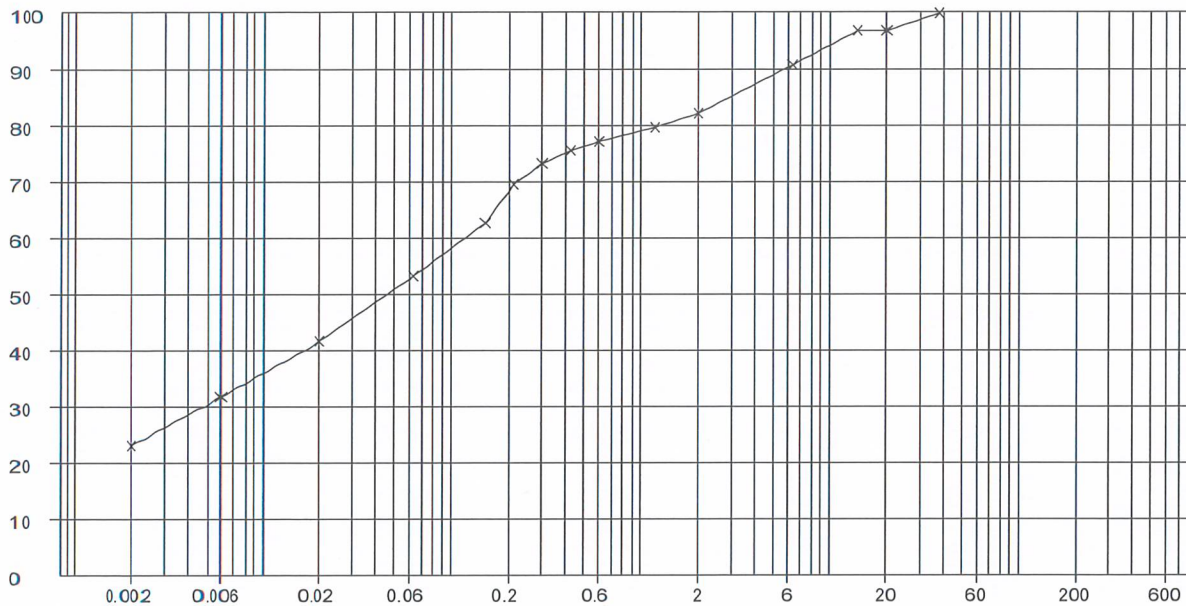
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DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
S301	1.20	U	



Sieve / Particle Size	% Passing
37.5 mm	100.0
20 mm	96.9
14 mm	96.9
6.3 mm	90.8
2 mm	82.2
1.18 mm	79.7
600 μm	77.2
425 μm	75.6
300 μm	73.3
212 μm	69.6
150 μm	62.7
63 μm	53.3
20 μm	41.7
6 μm	31.8
2 μm	23.1

CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Grading Analysis	
D85	3.4 mm
D60	125.0 μm
D10	<2.0 μm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	17.8%
Sand	29.4%
Silt	29.7%
Clay	23.1%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :



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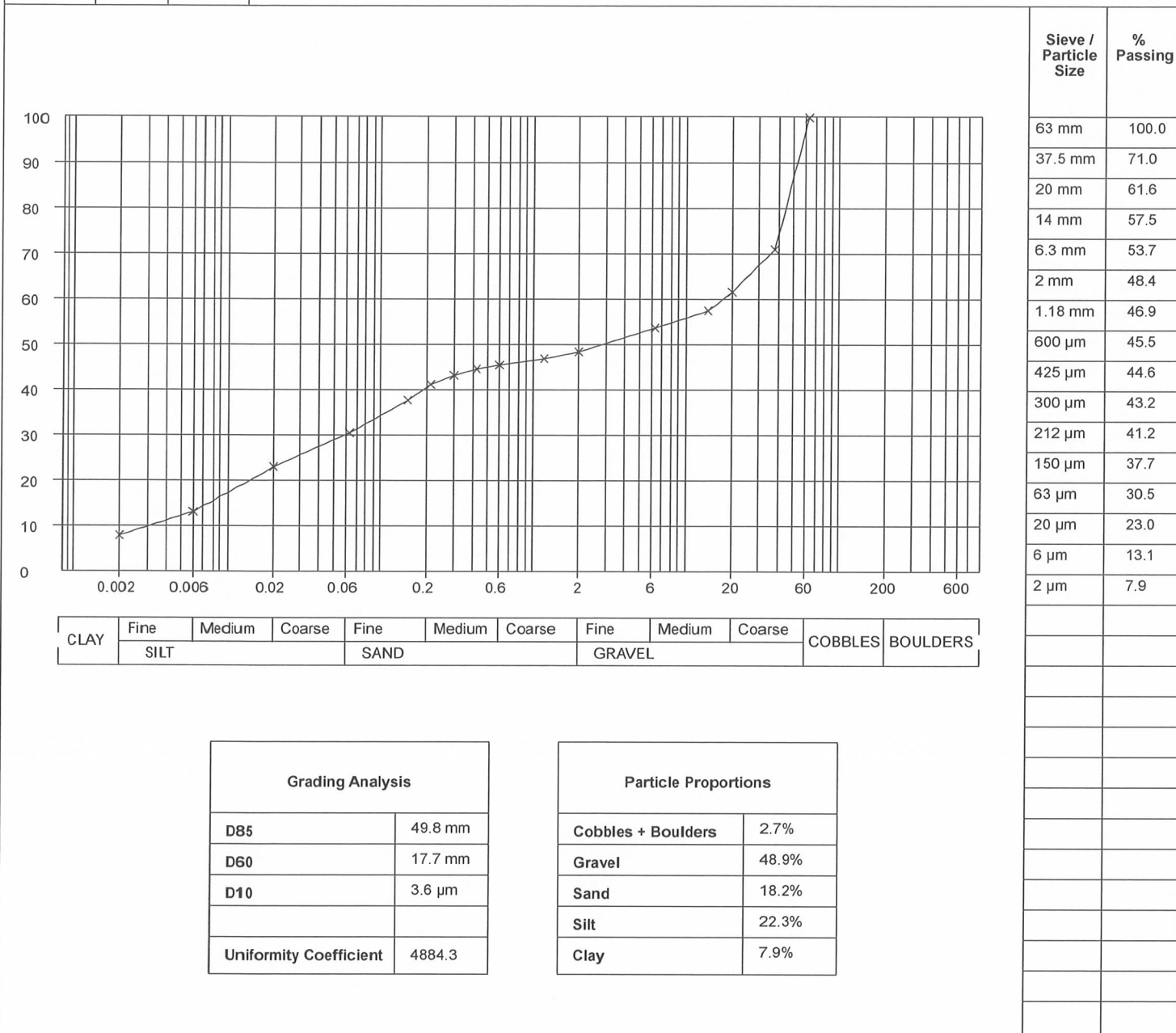
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DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
S303	3.00	U	



Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :



Site : ROBROYSTON NORTH

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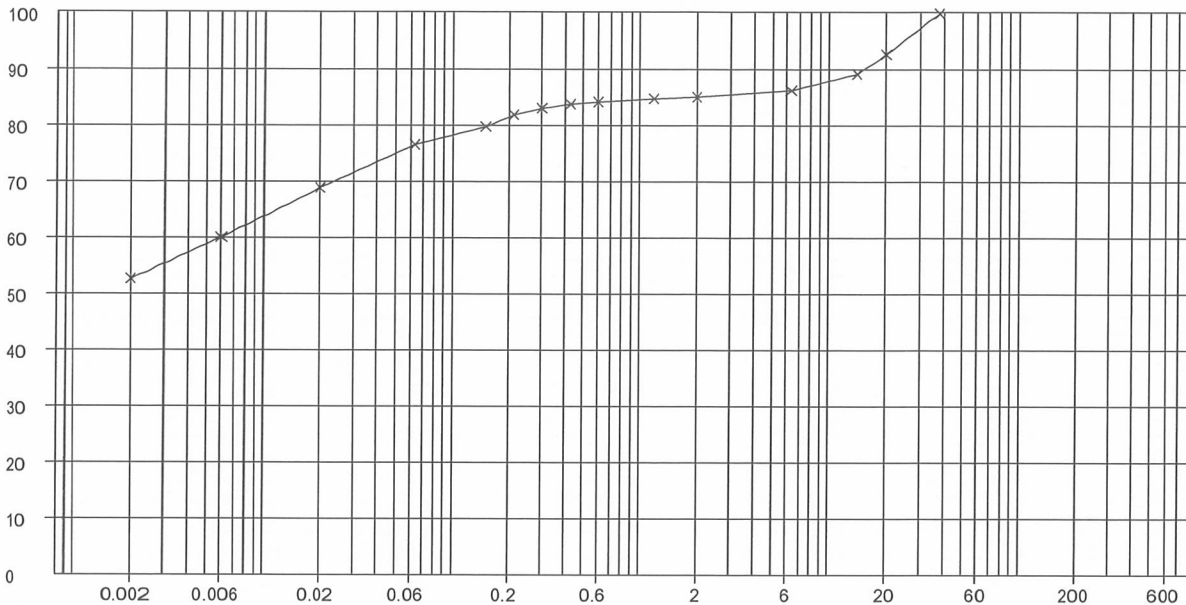
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DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
S306	1.20	U	



Sieve / Particle Size	% Passing
37.5 mm	100.0
20 mm	92.7
14 mm	89.2
6.3 mm	86.3
2 mm	85.1
1.18 mm	84.8
600 µm	84.2
425 µm	83.8
300 µm	83.1
212 µm	81.9
150 µm	79.8
63 µm	76.6
20 µm	68.9
6 µm	60.1
2 µm	52.7

CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Grading Analysis	
D85	1.7 mm
D60	5.9 µm
D10	<2.0 µm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	14.9%
Sand	8.8%
Silt	23.6%
Clay	52.7%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :



Site : ROBROYSTON NORTH

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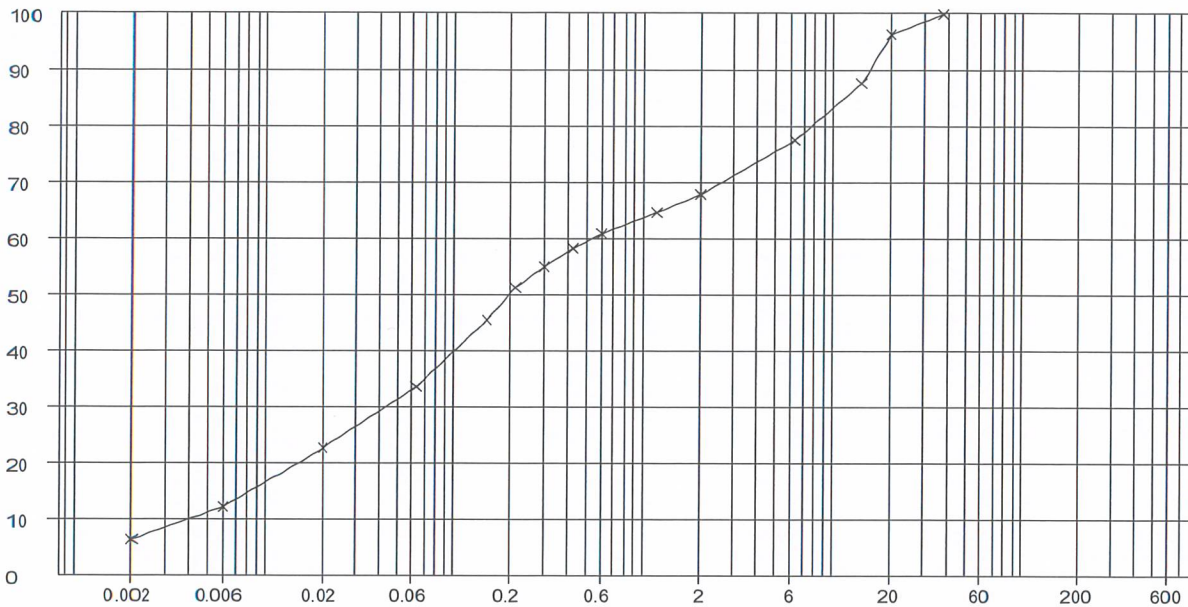
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DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
S315	1.20	U	



Sieve / Particle Size	% Passing
37.5 mm	100.0
20 mm	96.4
14 mm	87.7
6.3 mm	77.6
2 mm	67.9
1.18 mm	64.7
600 µm	60.9
425 µm	58.3
300 µm	55.0
212 µm	51.3
150 µm	45.5
63 µm	33.6
20 µm	22.7
6 µm	12.2
2 µm	6.4

CLAY	Fine	Medium	Coarse	SAND	Gravel	COBBLES	BOULDERS
	SILT						

Grading Analysis	
D85	11.9 mm
D60	539.4 µm
D10	4.5 µm
Uniformity Coefficient	120.3

Particle Proportions	
Cobbles + Boulders	-
Gravel	32.1%
Sand	34.8%
Silt	26.7%
Clay	6.4%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :



Site : R0BROYSTON NORTH

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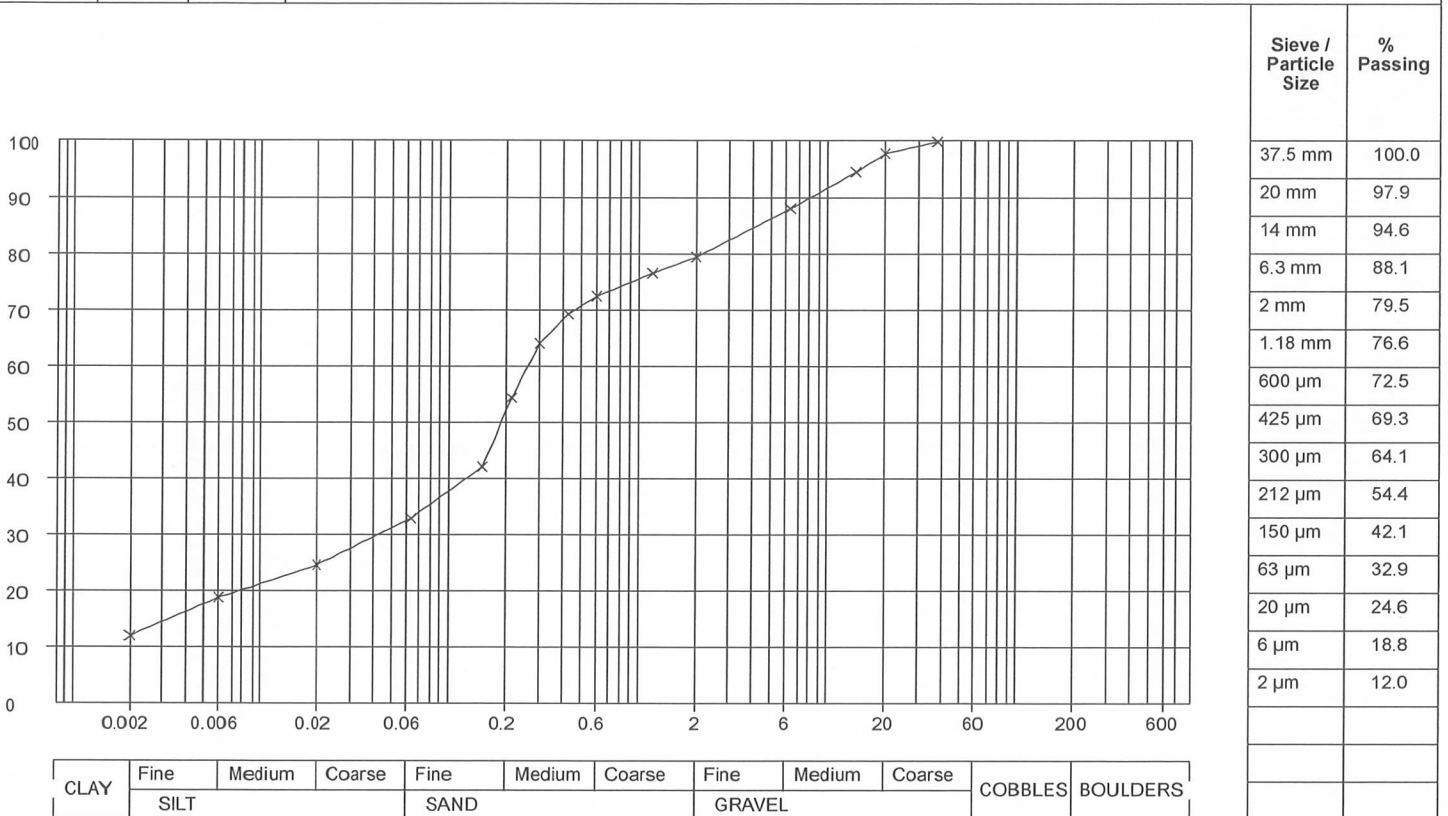
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DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
S330A	3.00	U	



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Grading Analysis	
D85	4.8 mm
D60	262.8 µm
D10	<2.0 µm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	20.5%
Sand	47.0%
Silt	20.5%
Clay	12.0%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :