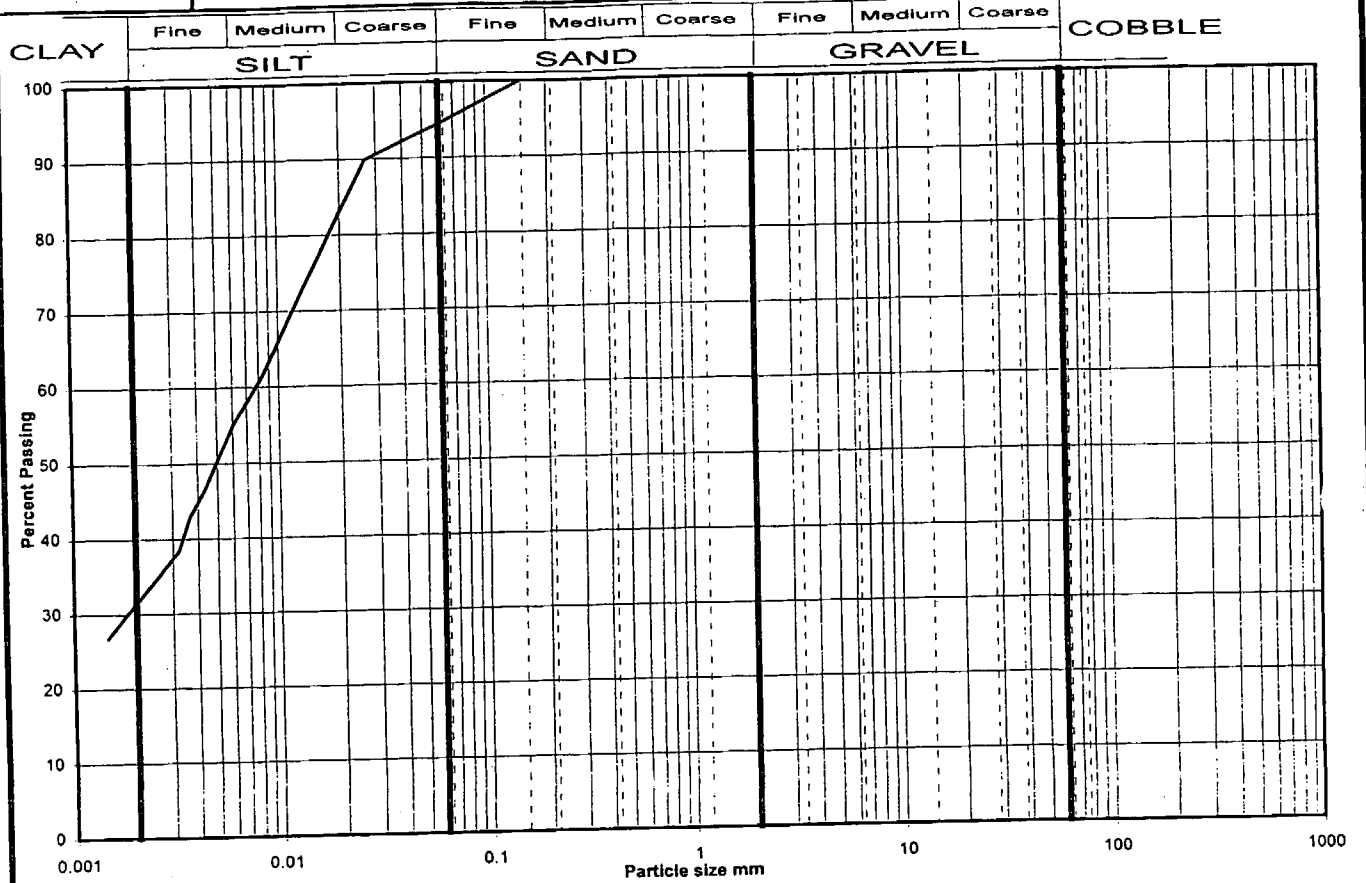


Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH2
Project Name	RO BISHOPTON		Depth (m BGL)	6
			No	10
			Type	D
			ID	L10862



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	95
63	100	0.0267	90
50	100	0.0198	83
37.5	100	0.0147	75
28	100	0.0082	61
20	100	0.0060	55
14	100	0.0044	47
10	100	0.0037	43
6.3	100	0.0032	38
5.0	100	0.0015	27
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100		
0.212	100		
0.150	100		
0.063	95		

Particle density, Mg/m ³	
2.65	assumed

Soil description	Grey/brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material Hydro: as BS1377	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	6
	Silt	64
	Clay	30

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS-1377 Part 2:1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

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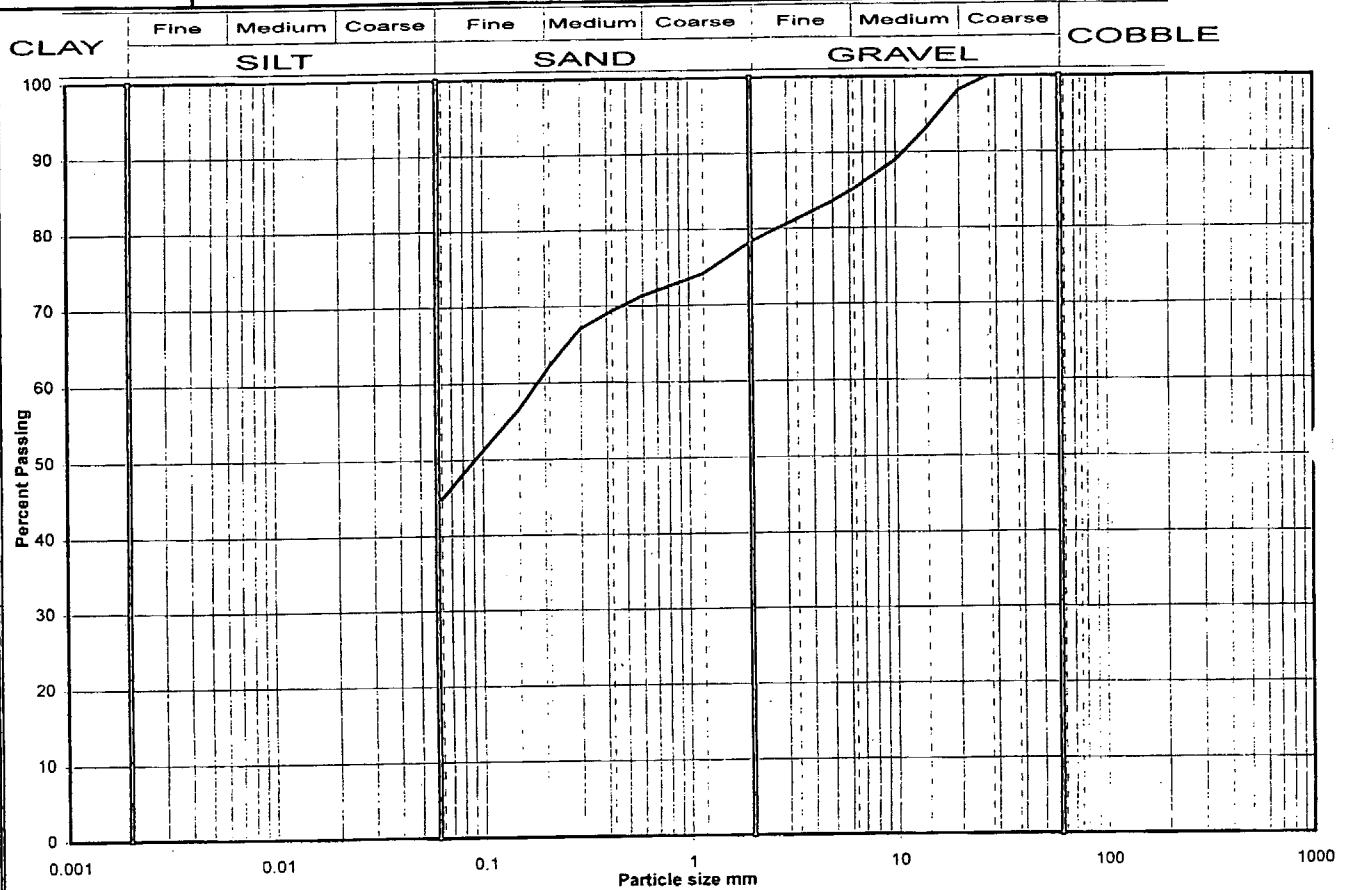


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH3
Project Name	RO BISHOPTON		Depth (m BGL)	3.5
			No	8
			Type	B
			ID	L10867



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	98		
14	93		
10	89		
6.3	85		
5.0	84		
3.35	81		
2.00	78		
1.18	74		
0.600	71		
0.425	69		
0.300	67		
0.212	62		
0.150	57		
0.063	45		

Soil description	Brown slightly sandy slightly gravelly CLAY	
Preparation / Pretreatment	Sieve: natural material	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	22
	Sand	33
	Silt	total silt + clay =
	Clay	45

Uniformity Coefficient	D_{60} / D_{10}	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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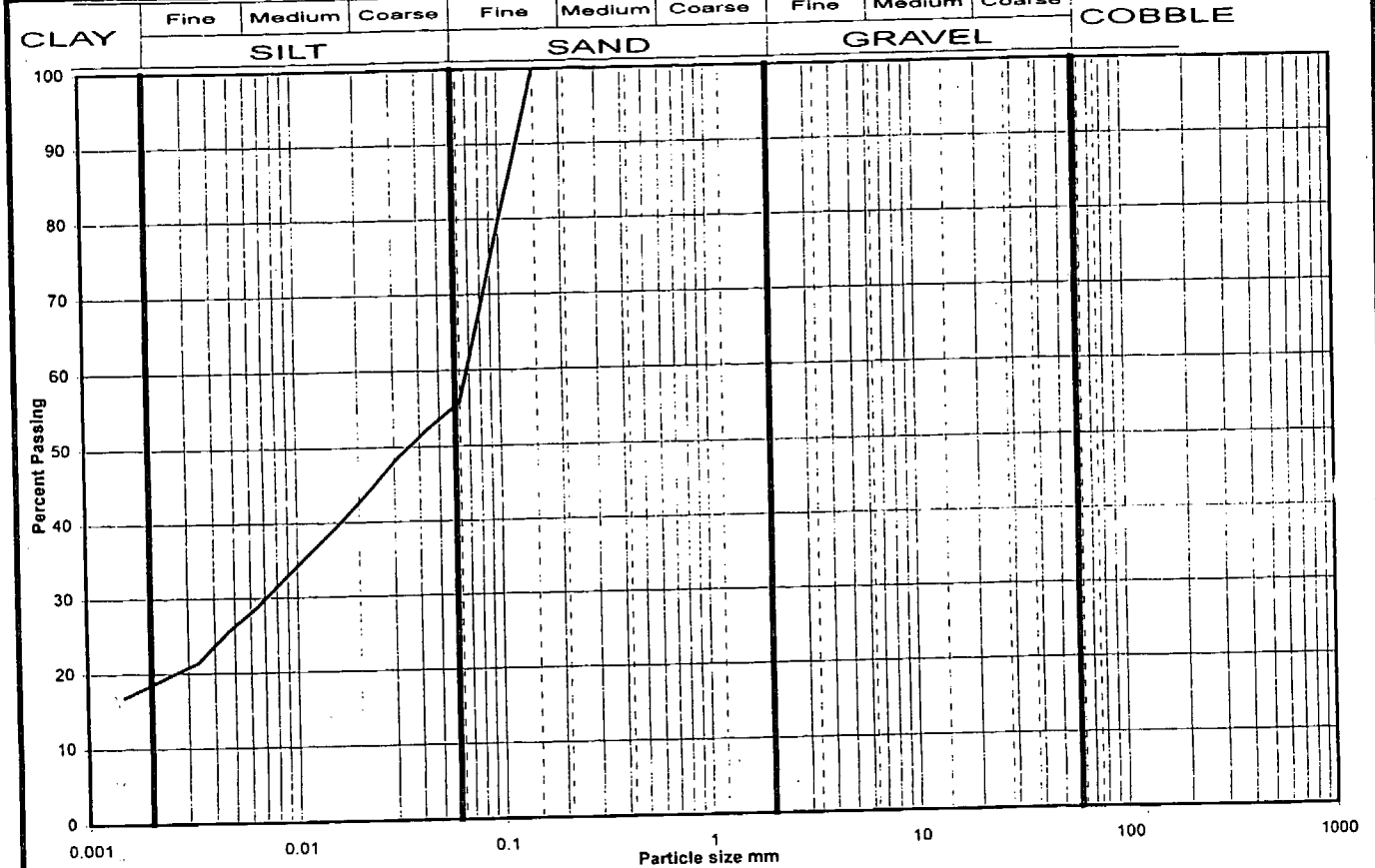


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH3
Project Name	RO BISHOPTON		Depth (m BGL)	4.5
			No	12
			Type	B
			ID	L10869



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	56
63	100	0.0438	52
50	100	0.0317	49
37.5	100	0.0231	44
28	100	0.0167	40
20	100	0.0090	33
14	100	0.0065	29
10	100	0.0047	25
6.3	100	0.0039	23
5.0	100	0.0034	21
3.35	100	0.0015	17
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density: Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.063	56		

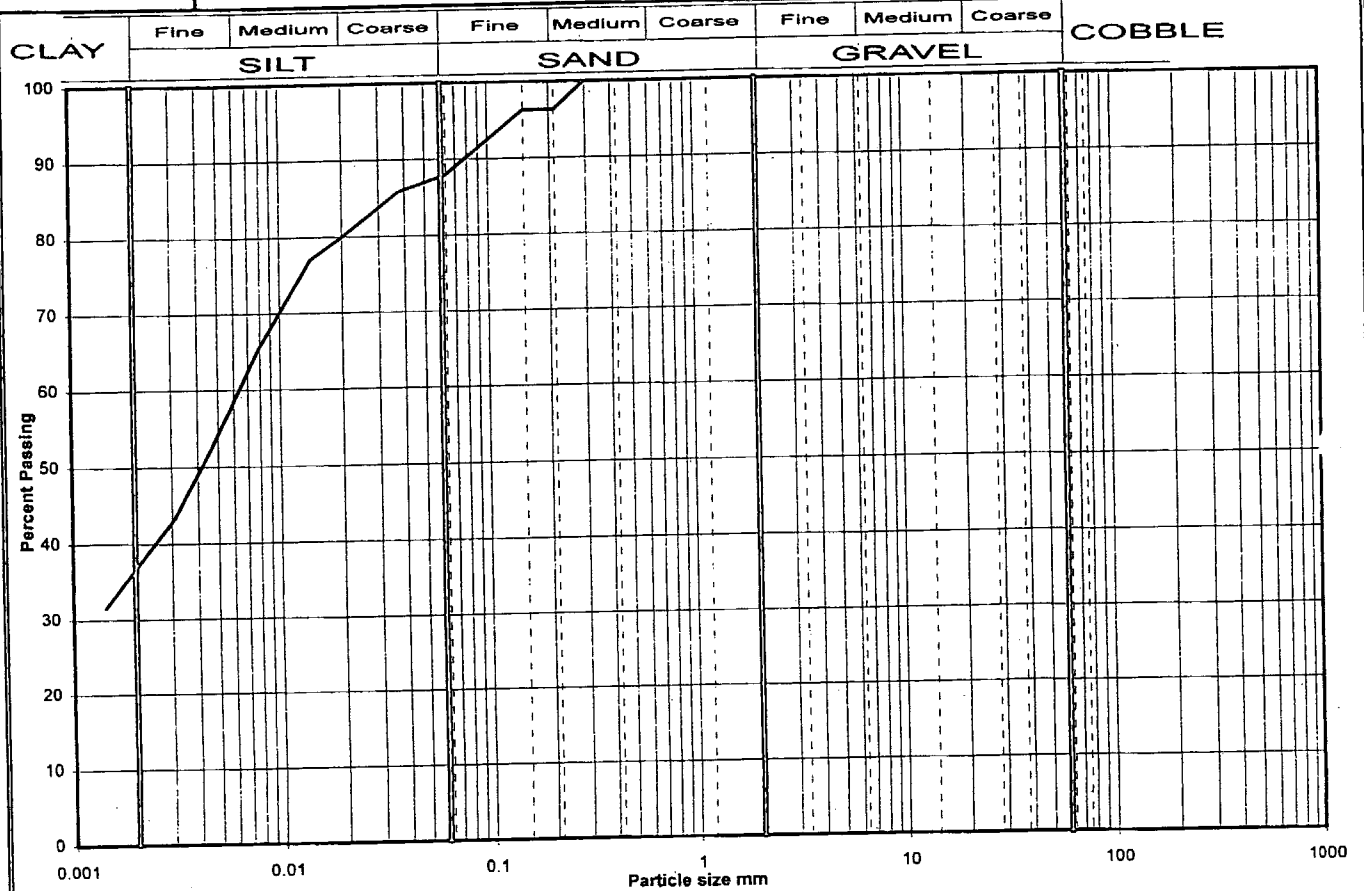
Soil description	Brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	45
	Silt	37
	Clay	18

Uniformity Coefficient	D_{60} / D_{10}	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH4A
Project Name	RO BISHOPTON		Depth (m BGL)	5.1
			No	11
			Type	B
			ID	L10876



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	88
63	100	0.0375	86
50	100	0.0272	83
37.5	100	0.0196	80
28	100	0.0141	77
20	100	0.0079	65
14	100	0.0058	58
10	100	0.0043	50
6.3	100	0.0036	46
5.0	100	0.0031	43
3.35	100	0.0014	32
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100		
0.212	96	Particle density, Mg/m3 2.65 assumed	
0.150	96		
0.075	96		
0.063	88		

Soil description	Brown CLAY	
Preparation / Pretreatment	Sieve: natural material Hydro: as BS1377	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	12
	Silt	53
	Clay	35

Uniformity Coefficient	D_{60} / D_{10}	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

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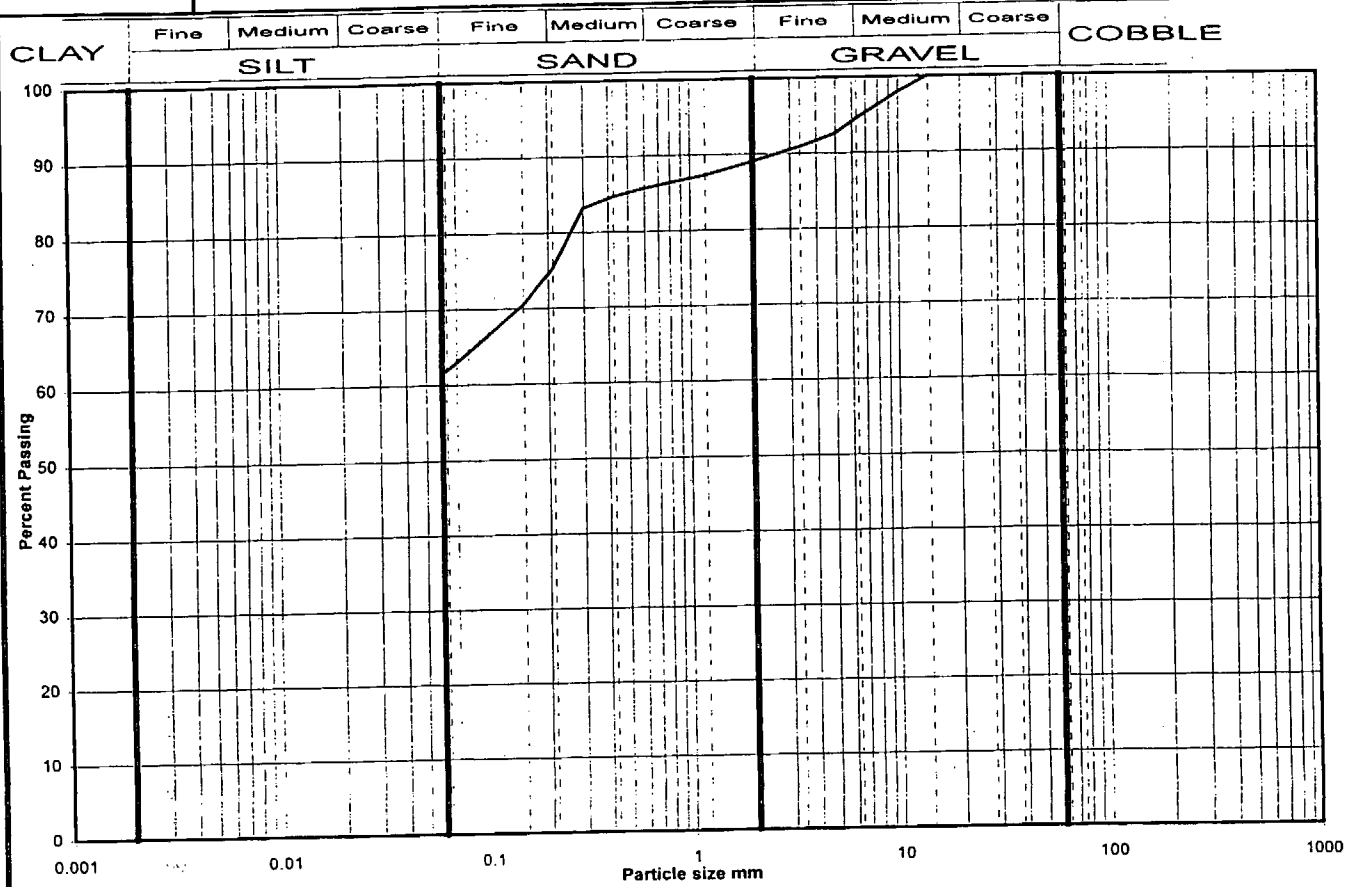


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH4A
Project Name	RO BISHOPTON		Depth (m BGL)	8
			No	21
			Type	B
			ID	L10880



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
.75	100		
.63	100		
.50	100		
.37.5	100		
.28	100		
.20	100		
.14	100		
.10	98		
.6.3	94		
.5.0	93		
.3.35	91		
.2.00	89		
.1.18	87		
.0.600	86		
.0.425	85		
.0.300	83		
.0.212	75		
.0.150	70		
.0.063	62		

Soil description	Grey slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	11
	Sand	27
	Silt	total silt + clay =
	Clay	62

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS-1377: Part 2: 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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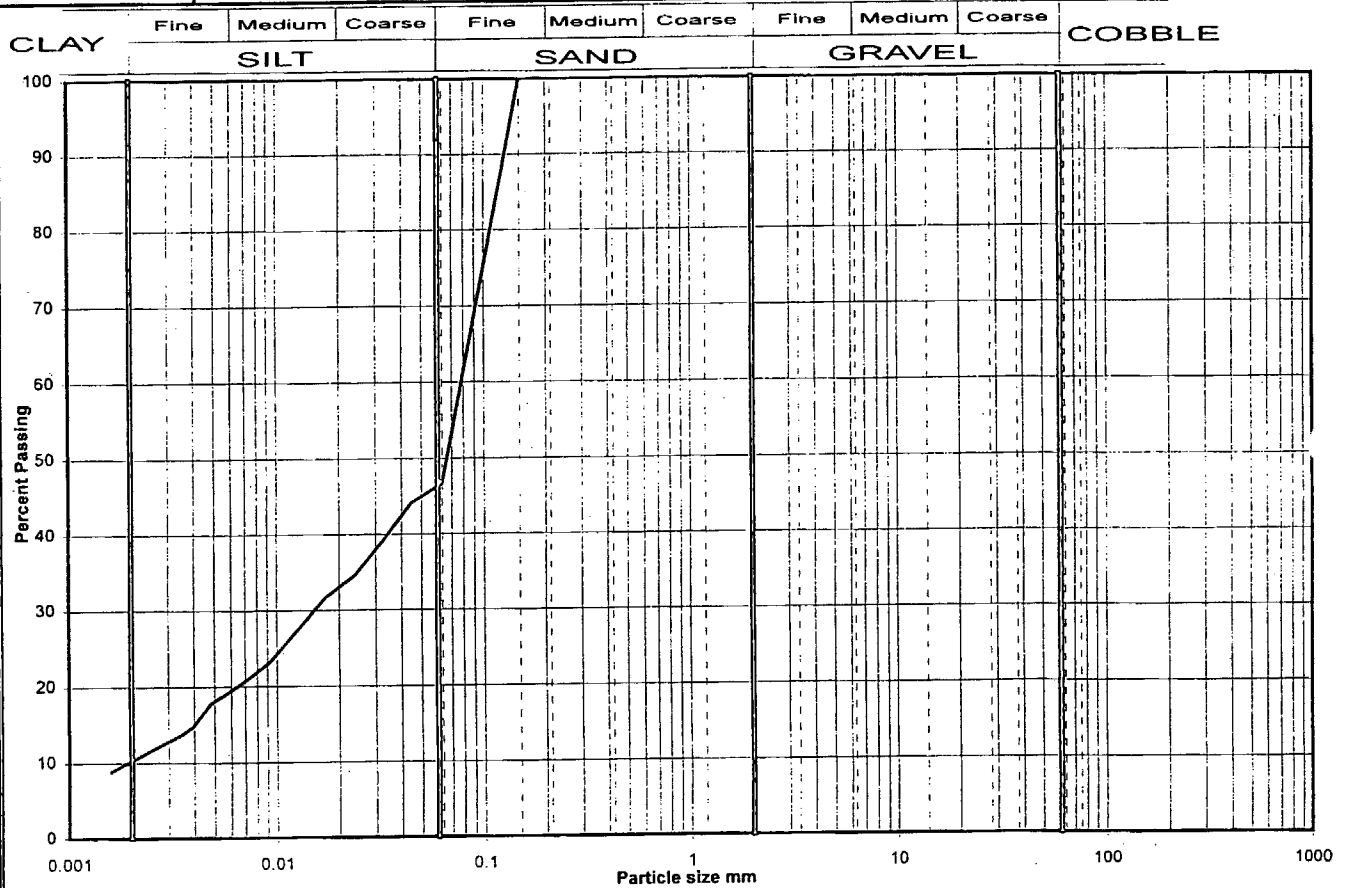


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH5A
Project Name	RO BISHOPTON		Depth (m BGL)	4
			No	10
			Type	B
			ID	L10884



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	47
63	100	0.0447	44
50	100	0.0327	39
37.5	100	0.0238	35
28	100	0.0172	32
20	100	0.0093	23
14	100	0.0067	20
10	100	0.0048	18
6.3	100	0.0040	15
5.0	100	0.0035	14
3.35	100	0.0016	9
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 measured	
0.212	100		
0.150	100		
0.063	47		

Soil description	Brown sandy CLAY	
Preparation / Pretreatment	Sieve: natural material Hydro: as BS1377	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	54
	Silt	36
	Clay	10

Uniformity Coefficient	D ₆₀ / D ₁₀	42
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

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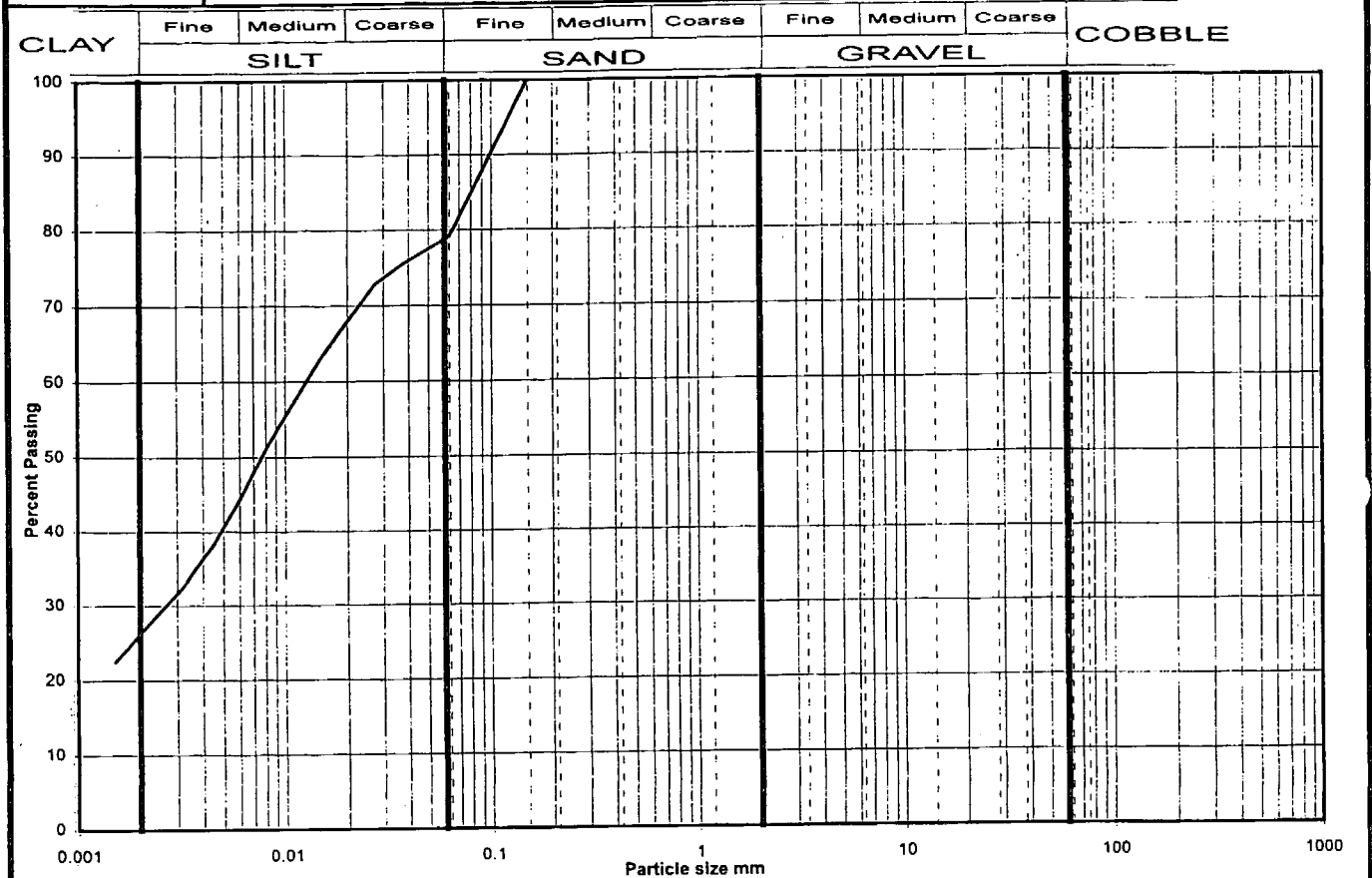


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH5A
Project Name	RO BISHOPTON		Depth (m BGL)	11
			No	32
			Type	B
			ID	L10889



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	79
63	100	0.0378	76
50	100	0.0273	73
37.5	100	0.0201	68
28	100	0.0148	63
20	100	0.0082	51
14	100	0.0060	44
10	100	0.0044	38
6.3	100	0.0037	35
5.0	100	0.0032	32
3.35	100	0.0015	22
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.063	79		

Soil description	Grey/brown slightly sandy CLAY		
Preparation / Pretreatment	Sieve: natural material Hydro: as BS1377		
Remarks			
Sample Proportions	Cobbles / boulders		0
	Gravel		0
	Sand		21
	Silt		54
	Clay		25

Uniformity Coefficient	D_{60} / D_{10}	#N/A
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Test Method	BS 1377 Part 2: 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH6
Project Name	RO BISHOPTON		Depth (m BGL)	2
			No	2
			Type	B
			ID	L10890



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	70
63	100	0.0139	65
50	100	0.0078	55
37.5	100	0.0057	50
28	100	0.0042	45
20	100	0.0035	41
14	100	0.0031	39
10	100	0.0014	30
6.3	100		
5.0	100		
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100		
0.212	100		
0.150	100		
0.063	70		

Particle density, Mg/m ³	
2.65 assumed	

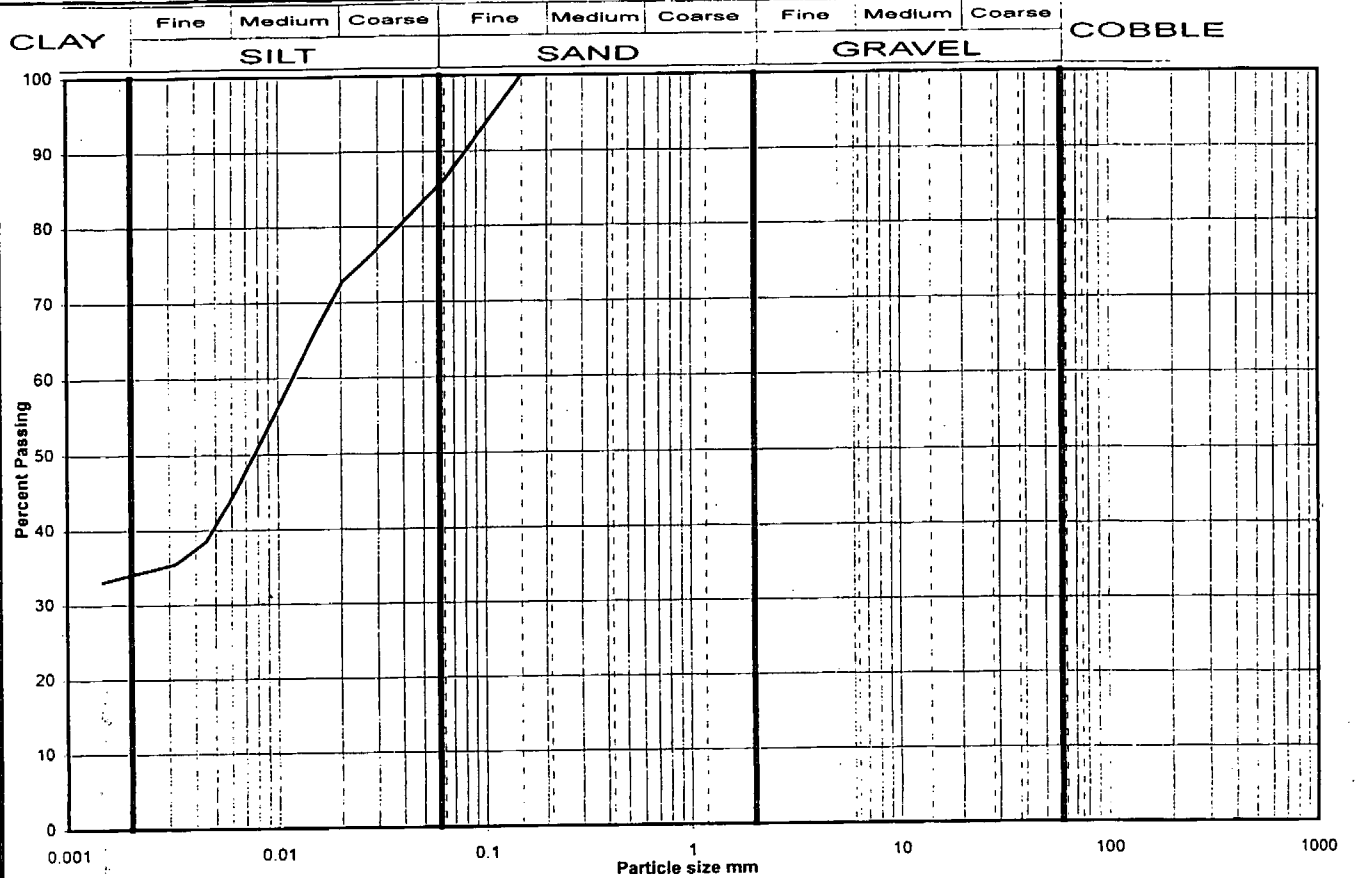
Soil description	Brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material Hydro: as BS1377	
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	31
	Silt	36
	Clay	33

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH7B
Project Name	RO BISHOPTON		Depth (m BGL)	6.1
			No	17
			Type	B
			ID	L10899



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	86
63	100	0.0387	80
50	100	0.0281	76
37.5	100	0.0204	73
28	100	0.0151	66
20	100	0.0084	52
14	100	0.0062	45
10	100	0.0045	38
6.3	100	0.0032	35
5.0	100	0.0015	33
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.063	86		

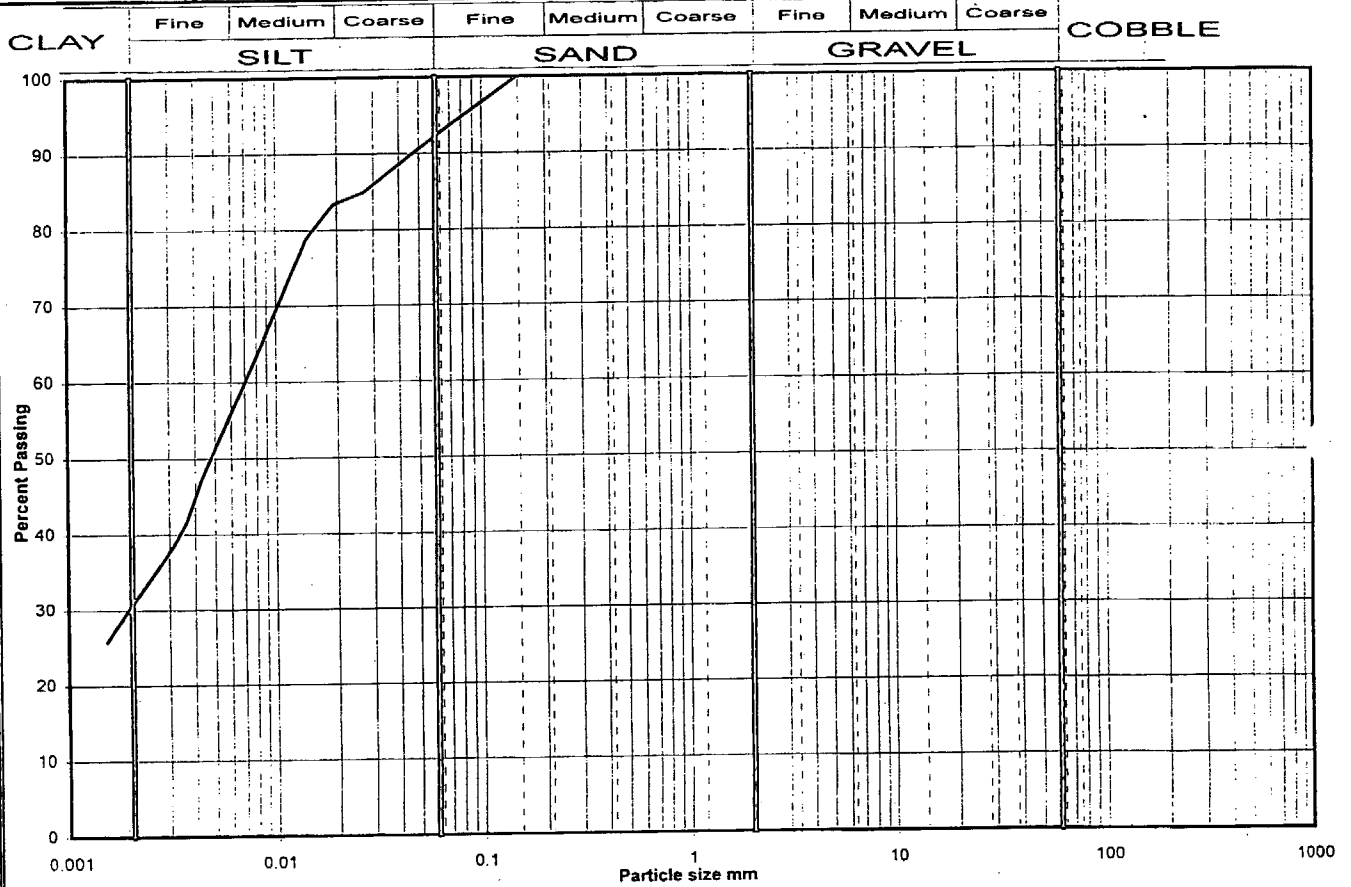
Soil description	Brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	14
	Silt	52
	Clay	34

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS.1377: Part.2: 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH8
Project Name	RO BISHOPTON		Depth (m BGL)	7
			No	11
			Type	B
			ID	L10904



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	93
63	100	0.0270	85
50	100	0.0193	83
37.5	100	0.0141	79
28	100	0.0080	63
20	100	0.0059	55
14	100	0.0043	47
10	100	0.0036	42
6.3	100	0.0032	39
5.0	100	0.0015	26
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.063	93		

Soil description	Brown CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	8
	Silt	63
	Clay	29

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

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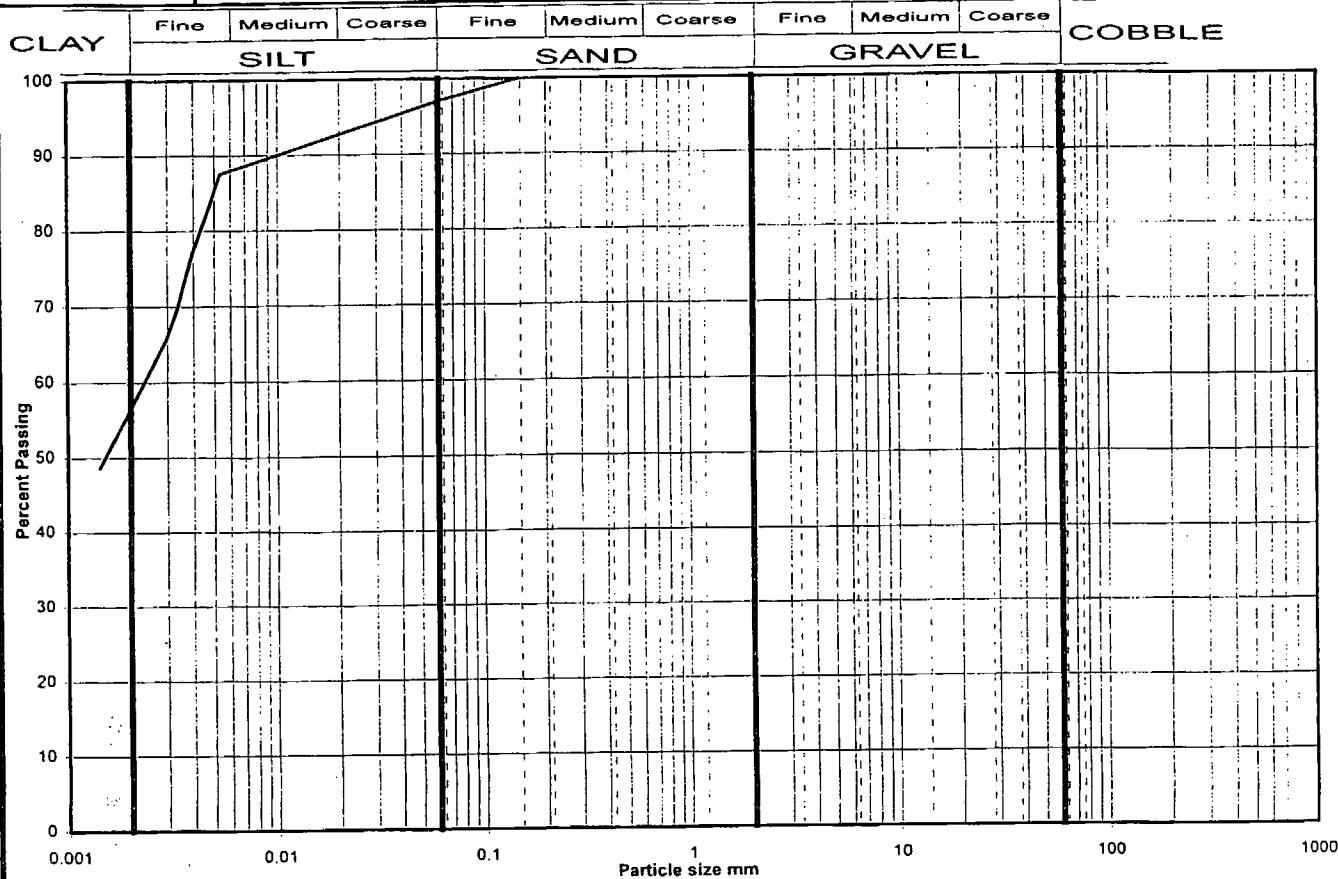


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Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH8
Project Name	RO BISHOPTON		Depth (m BGL)	13
			No.	17
			Type	B
			ID	L10905



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	97
63	100	0.0053	88
50	100	0.0040	77
37.5	100	0.0034	70
28	100	0.0030	66
20	100	0.0014	49
14	100		
10	100		
6.3	100		
5.0	100		
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.063	97		

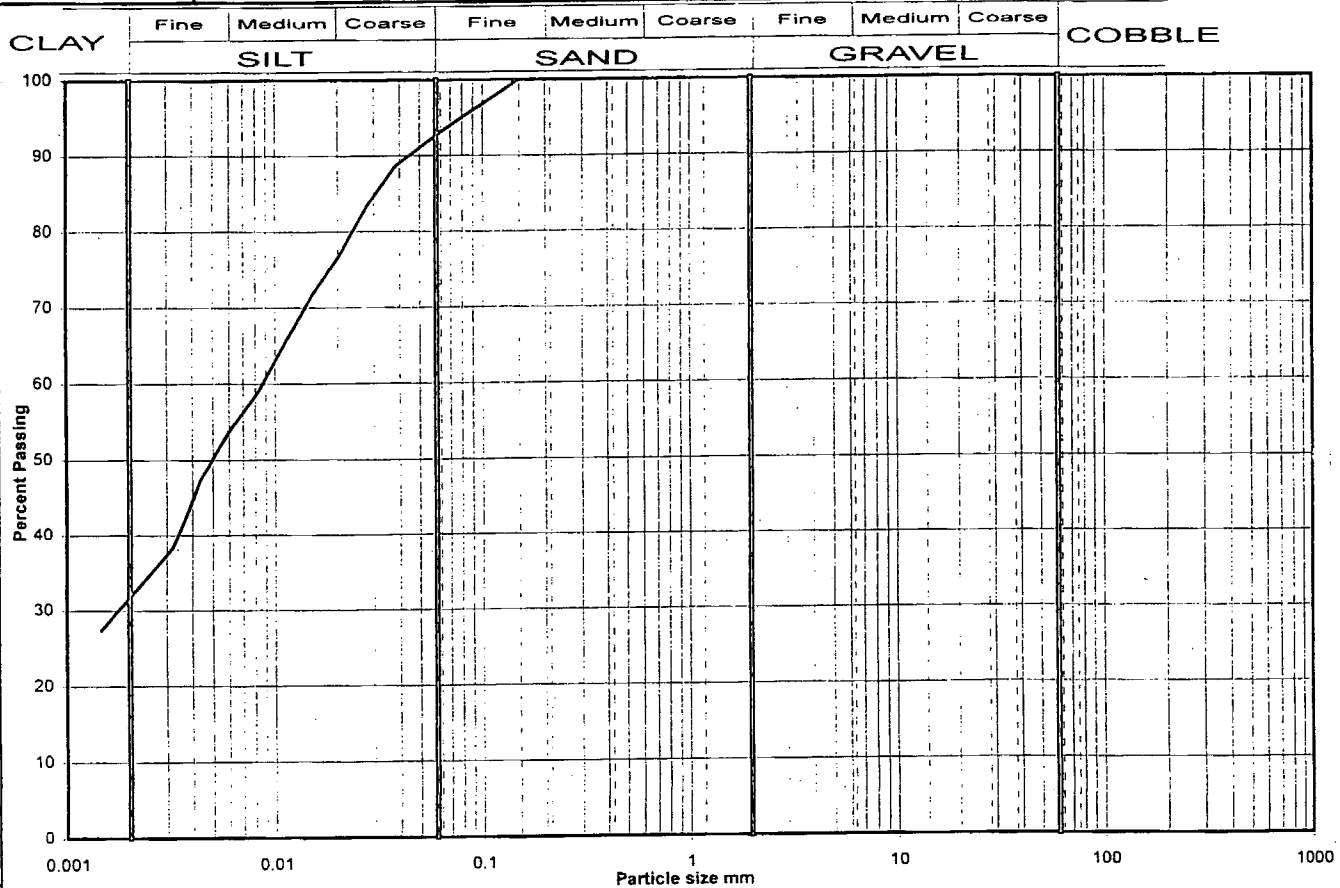
Soil description	Brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	3
	Silt	42
	Clay	55

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH9
Project Name	RO BISHOPTON		Depth (m BGL)	2.5
			No	5
			Type	B
			ID	L10908



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	93
63	100	0.0381	89
50	100	0.0279	83
37.5	100	0.0206	77
28	100	0.0150	71
20	100	0.0083	59
14	100	0.0060	54
10	100	0.0044	47
6.3	100	0.0037	42
5.0	100	0.0032	38
3.35	100	0.0015	27
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100	Particle density, Mg/m ³ 2.65 assumed	
0.212	100		
0.150	100		
0.075	100		
0.063	93		

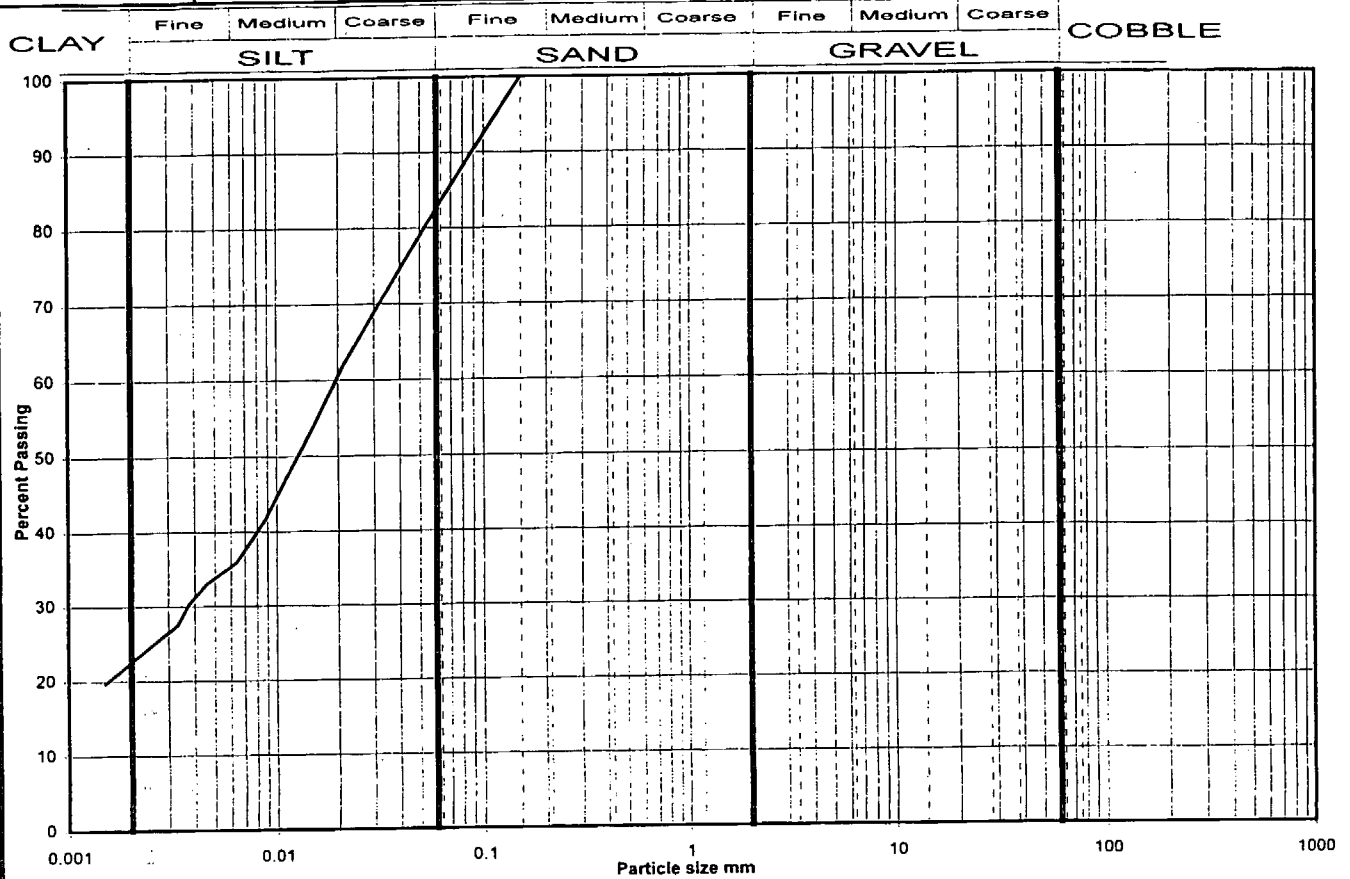
Soil description	Grey/brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	7
	Silt	62
	Clay	31

Uniformity Coefficient	D_{60} / D_{10}	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

Particle Size Distribution Analysis

Project No	M3012	Sample Details:	Hole No	BH10
Project Name	RO BISHOPTON		Depth (m BGL)	2
			No	4
			Type	B
			ID	L10911



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0630	84
63	100	0.0215	62
50	100	0.0159	55
37.5	100	0.0088	42
28	100	0.0064	36
20	100	0.0046	33
14	100	0.0038	30
10	100	0.0033	27
6.3	100	0.0015	20
5.0	100		
3.35	100		
2.00	100		
1.18	100		
0.600	100		
0.425	100		
0.300	100		
0.212	100		
0.150	100		
0.063	84		

Particle density, Mg/m ³	
2.65	assumed

Soil description	Brown slightly sandy CLAY	
Preparation / Pretreatment	Sieve: natural material	Hydro: as BS1377
Remarks		
Sample Proportions	Cobbles / boulders	0
	Gravel	0
	Sand	17
	Silt	61
	Clay	22

Uniformity Coefficient	D ₆₀ / D ₁₀	#N/A
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.5 hydrometer

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