



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP43

EQUIPMENT AND METHODS:


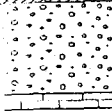

SITE:
Bicester

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 456966.00N: 222348.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Yellow brown very clayey slightly sandy coarse angular GRAVEL and COBBLES of limestone, assessed as dense in pit walls (highly to completely weathered limestone)		0.30		0.30	D			
Light grey thinly bedded moderately strong to strong LIMESTONE		0.60						
End of Borehole at 0.65 m		0.65						

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 0.65m

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
RPA
Thicknesses and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP44

SITE:
Bicester


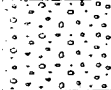
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 456947.00N: 222200.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very clayey slightly sandy coarse angular GRAVEL and COBBLES of limestone, assessed as dense in pit walls (highly to completely weathered limestone)		0.25						
End of Borehole at 0.55 m		0.55		0.50	D			
<p>0.5m depth</p> <p>Arsenic 20mg/kg OK</p> <p>Chromium 32 " OK</p> <p>Copper 16 " OK</p> <p>Nickel 35 " OK</p> <p>Zinc 69 " OK</p> <p>Sulphate 618 " OK</p>								

Remarks

No groundwater encountered. Trial pit stable throughout, unable to progress below 0.55m (possible strong limestone bedrock or limestone boulders)

Logged by

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Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Elevations and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

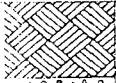
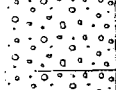
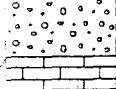
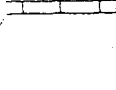
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 456915.00N: 222035.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very clayey slightly sandy coarse angular GRAVEL and COBBLES of limestone, assessed as dense in pit walls (highly to completely weathered limestone)		0.25						
Yellow brown very clayey slightly sandy coarse angular GRAVEL and COBBLES of limestone, assessed as dense in pit walls (highly to completely weathered limestone)		0.50						
Light grey thinly bedded moderately strong to strong LIMESTONE		0.75		0.70	B			
End of Borehole at 0.90 m		0.90						

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 0.9m, permeability test carried out

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Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Elevations and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 456957.00N: 221900.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.20						
Red brown very clayey slightly sandy coarse angular GRAVEL and COBBLES of limestone, assessed as dense in pit walls (highly to completely weathered limestone)		0.50						
Light grey thinly bedded moderately strong to strong LIMESTONE		0.80						
End of Borehole at 0.80 m								

Remarks

No groundwater encountered. Minor instability 0.2-0.5m

Logged by	Checked by
Scale 1:25	Sheet 1 of 1
Figure	

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP47

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 456926.00N: 221717.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Mid brown soft moderately cohesive sandy CLAY		0.30		0.30	D			
Yellow and grey hard medium to coarse grained broken rubbly weathered LIMESTONE in a brown and yellow moderately coarse damp sandy clayey matrix (CORNBASH)		0.60						
		1.00		1.00	W			

End of Borehole at 1.00 m

Water
0.9m

0.3m depth

CUA Arsenic 20mg/kg >20
Chromium 63 " OK
Nickel 34 " OK
Zinc 107 " OK
Sulphate 636 " OK 43 mg/l

Remarks

Water sample taken at 1.00m after approx. 30 mins. Trial pit terminated at 1.00m in Cornbrash, as no further progress could be made. Samples: TP51 0.5kg Pot, 1L water sample

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



EQUIPMENT AND METHODS:

SITE:
Bicester

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 456949.00N: 221601.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft loose clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Mid brown and yellow grey mottled firm to stiff damp sandy gravelly CLAY		0.30		0.30	D			
Blue grey firm to stiff cohesive silty CLAY with coarse white and orange sand lenses		0.60						
Yellow and grey white hard medium to coarse rained broken rubbly weathered LIMESTONE in a brown and yellow moderately coarse damp iron rich sandy matrix (CORNBASH)		1.00		1.00	B			
End of Borehole at 1.70 m		1.70						

Remarks

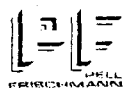
Trial pit terminated at 1.70m in Cornbrash, as no further progress could be made. Samples: TP48 0.5kg Pot, TP48 S11.0-1.70m

Logged by _____ Checked by _____

Scale 1:25 Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
TP48
Thicknesess given in brackets in depth column.



TP49

SITE:
Bicester




EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 456949.00N: 221447.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown fibrous sandy silty TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Yellow orange and grey firm damp sandy CLAY		0.27		0.27	D			
Dark blue grey mottled yellow and orange stiff to firm slightly fissured silty CLAY with occasional orange moderately coarse sandy fissures. Becoming more competent with depth, to resemble a blue grey occasionally orange and yellow mottled very stiff fissured slightly weathered silty MUDSTONE at 2.40m		0.57		0.57	B			
End of Borehole at 2.40 m			2.40					

Remarks

Trial pit terminated at 2.40m in Mudstone, as no further progress could be made. Samples: TP49 0.5kg Pot, TP49 S1 0.57-2.40m

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 456949.00N: 221299.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft loose slightly clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Mid brown soft loose damp silty CLAY with occasional fine angular limestone gravel, becoming more clayey with depth		0.20		0.20	D			
Blue grey occasionally yellow mottled stiff to firm cohesive fissured damp silty CLAY with occasional orange and yellow moderately coarse sandy fissures		0.70						
At 1.80m: Yellow and grey hard medium to coarse grained broken rubble weathered LIMESTONE in a brown and yellow moderately coarse damp sandy clayey matrix (CORNBASH) End of Borehole at 1.80 m		1.80 1.80						

Remarks

Trial pit terminated at 1.80m in Cornbrash, as no further progress could be made. Samples: TP50 0.5kg Pol. TP50 S1

Logged by	Checked by
Scale 1:25	Sheet 1 of 1
Figure	

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

SITE:
Bicester

EQUIPMENT AND METHODS:

TP51

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 456949.00N: 221146.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft loose and clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Mid brown soft loose moderately cohesive sandy silty CLAY		0.24						
Yellow and grey hard medium to coarse grained broken rubbly weathered LIMESTONE in a brown and yellow moderately coarse damp sandy clayey matrix (CORNBASH)		0.38						
		0.80						
End of Borehole at 0.80 m								

Remarks

Trial pit terminated at 0.80m in Cornbrash, as no further progress could be made. Samples: TP51 0.5kg Pot

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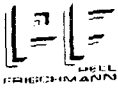
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Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Thicknesses and reduced levels are in metres. Thicknesses given in brackets in depth column



TP52

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 456949.00N: 221050.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft cohesive silty clayey TOPSOIL with rootlets and organics (5%)		0.00						
Yellow and grey mottled stiff to very firm cohesive damp sandy CLAY, becoming more clayey with depth, with very occasional fine angular limestone and flint gravel		0.25		0.25	D			
Yellow and grey medium to coarse damp sandy clayey GRAVEL. Strata becomes wet with depth		1.40		1.40	B			
At 2.00m: Yellow and grey hard medium to coarse grained broken rubbly weathered LIMESTONE in a brown and yellow moderately very coarse gritty damp sandy clayey matrix (CORNBRASH) End of Borehole at 2.00 m		2.00 2.00		2.00	W			

0.25m depth

Chromium	41 mg/kg	OK
Copper	18 "	OK
Nickel	29 "	OK
Zinc	101 "	OK
Sulphate	482 "	OK

Remarks

At 2.00m a 1L water sample was taken after approx. 5 mins. Trial pit terminated at 2.00m in Cornbrash, as no further progress could be made. Samples: TP52 0.5kg Pop 996
Soils 1.4-2.00m and 1L water sa
1:25
Sheet 1 of 1

Logged by

Checked by

Notes:
Materials are described in accordance with BS 5930:1999.
Ratios and reduced levels are in metres. Thicknesses given in brackets in depth column

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP53

SITE:
Bicester


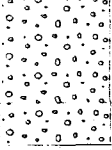
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457092.00N: 222486.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00		0.10	D			
Yellow brown very sandy clayey course angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone), firm red brown clay lens (max 0.2m thick) noted in N. W face of the pit between 0.2m and 0.4m in depth.		0.20		0.30	D			
		0.70						
End of Borehole at 0.70 m								

Remarks

NO GROUNDWATER ENCOUNTERED

Logged by

Checked by

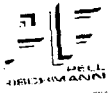
Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP54

ITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457242.00N: 222435.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0:00		0.10	D			
Soft to firm yellow and grey mottled very sandy CLAY with much coarse angular gravel of limestone.		0.25						
				0.80	D			
		1.20						
		1.25						
White and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE								

End of Borehole at 1.25 m

0.1m depth

Arsenic 29mg/kg OK
Chromium 36 " OK
Lead 21 " OK
Copper 17 " OK

Remarks

No groundwater encountered, trial pit stable throughout

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All dimensions and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457119.00N: 222281.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00		0.10	D			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.30						
Yellow slightly sandy coarse angular GRAVEL and COBBLES of limestone (highly to completely weathered limestone)		0.60						
End of Borehole at 0.90 m		0.90						

0.1 m depth

CCA Arsenic 21 mg/kg > 20
 Chromium 33 " OK
 Lead 26 " OK
 Copper 18 " OK
 Nickel 33 " OK
 Zinc 75 " OK
 Sulphate 696 " OK

Remarks

No groundwater encountered, pit unstable between 0.3-0.9m

Logged by _____
 Checked by _____
 Scale 1:25
 Figure _____
 Sheet 1 of 1

Notes: Materials are described in accordance with BS 5930:1999. All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE: Bicester


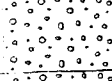
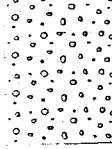
EQUIPMENT AND METHODS:

CLIENT: A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457100.00N: 222101.00

DATE 07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	BACKFILL
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, (highly to completely weathered limestone)		0.25						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, (highly to completely weathered limestone)		0.50		0.70	B			
End of Borehole at 1.00 m		1.00						

Remarks

No groundwater encountered, trial pit unstable at 0.25-1m, unable to progress below 1m due to cobbles and boulders, permeability test undertaken

Logged by	Checked by
Scale 1:25	Sheet 1 of 1
Figure	

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP57

EQUIPMENT AND METHODS


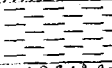

SITE:
Bicester

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Stiff orange brown CLAY with much coarse angular limestone gravel		0.25		0.30	D			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, (highly to completely weathered limestone)		0.45						
End of Borehole at 1.80 m		0.68						

0.3m depth

CuA Arsenic 49 mg/kg > 20
 Chromium 66 " OK
 Nickel 48 " OK
 Zinc 89 " OK
 Sulphate 48 " OK

Remarks

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP58

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00		0.20	D			
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, (highly to completely weathered limestone)		0.25						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, (highly to completely weathered limestone)		0.60						
		1.50						

End of Borehole at 1.80 m

0.20 m depth

CEA	Arsenic	21 mg/kg	> 20
	Chromium	59 "	OK
	Copper	29 "	OK
	Nickel	36 "	OK
	Zinc	135 "	OK
	Sulphate	365 "	OK

Remarks

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

SITE:
Bicester

EQUIPMENT AND METHODS:

TP59

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457100.00N: 221591.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Dark brown soft clayey TOPSOIL and organics (5%)		0.00						
Mid brown and grey mottled moderately firm cohesive damp sandy CLAY, becoming sandier with depth		0.25		0.35	D			
Yellow and brown coarse grained moderately weak loose slightly clayey gravelly SAND with medium coarse angular flint and limestone gravels, becoming more clayey with depth		0.60						
At 1.80m: Yellow and grey hard medium to coarse grained angular broken rubbly weathered LIMESTONE cobbles, in a brown and yellow weak damp sandy clayey matrix (CORNBASH) End of Borehole at 1.80 m		1.80 1.80		1.80	W			

0.35m depth

Chromium 48 mg/kg OK
Copper 20 u OK
Nickel 29 u OK
Zinc 104 u OK
Sulphate 698 u OK

Remarks

At 1.80m a 1L water sample was taken after approx. 40 mins. Trial pit terminated at 1.80m in Cornbrash, so no further progress could be made. Samples: TP59 0.5kg

Logged by

Checked by

1.25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457100.00N: 221447.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft loose slightly clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel		0.00						
Mid brown soft loose damp clayey SAND with occasional fine angular limestone gravel, becoming more clayey with depth		0.30		0.30	D			
Yellow, grey and white hard medium to coarse grained broken rubbly weathered LIMESTONE cobbles and boulders in a brown and yellow dmp sandy clayey matrix (CORNBASH)		1.00		1.00	B			
End of Borehole at 2.40 m		2.40						

Remarks

At 2.40m water encountered but not enough for a 1L sample. Trial pit terminated at 2.40m in Cornbrash, as no further progress could be made. Samples: TP59A 0.5kg

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Checked by

TP59A S2 1.0-2.40m
1:25 Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
TP59A and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457100.00N: 221300.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft cohesive silty clayey TOPSOIL with rootlets and organics (5%)		0.00						
Mid brown and grey mottled stiff to very firm cohesive damp sandy CLAY, becoming more clayey with depth		0.34		0.34	D			
Red and orange mottled soft to firm cohesive damp silty CLAY with occasional fine angular limestone pebbles		0.90						
At 1.50m: Yellow and grey hard medium to coarse grained broken rubbly weathered LIMESTONE in a brown and yellow moderately very coarse gritty damp sandy clayey matrix (CORNBASH) End of Borehole at 1.50 m		1.50 1.50						

0.34m depth

CLEA Arsenic 33 mg/kg > 20
 Chromium 54 u OK
 Copper 28 u OK
 Nickel 39 u OK
 Zinc 105 u OK
 Sulphate 865 u OK

Remarks

Trial pit terminated at 1.50m in Cornbrash, as no further progress could be made. Samples: TP60 0.5kg Pot

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Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

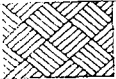


EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 457100.00N: 221300.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft cohesive silty calyey TOPSOIL with rootlets and organics (5%)		0.00 0.25		0.25	D			
Yellow and grey mottled stiff to very firm cohesive damp sandy CLAY, becoming more clayey with depth, with very occasional fine angular limestone and flint gravel. Gravel content increases with depth		0.50		0.50	B			
Yellow and grey hard medium to coarse grained broken rubble weathered LIMESTONE in a grey and yellow moderately very coarse damp sticky sandy clayey matrix (CORNBASH)		1.20						

End of Borehole at 1.20 m

Remarks

Trial pit terminated at 1.20m in Cornbrash, as no further progress could be made. Samples: TP561 0.5kg Pot. TP61 S1 0.5-1.20m

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Levels and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

TP62

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457073.00N: 221078.00

DATE
21/08/2001

STRATA DESCRIPTION

KEY

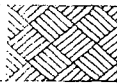
DEPTH
(Thick)

LEVEL
(mAOD)

SAMPLES/TESTS

INSTALLATIONS/
BACKFILL

TOPSOIL: Mid brown moderately cohesive clayey TOPSOIL with rootlets and organics (5%) with very occasional fine flint and limestone gravel



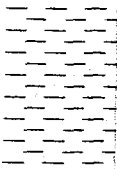
0.00

0.25

0.25

D

Mid brown, yellow and orange soft to firm moderately cohesive damp sandy CLAY with occasional fine angular limestone gravel

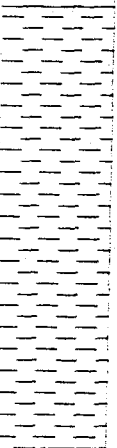


0.83

0.83

B

Blue grey occasionally yellow mottled stiff to firm cohesive fissured damp silty CLAY with occasional orange and yellow moderately coarse sandy fissures, and small (<1m) dark brown and red very coarse damp iron rich sand lenses



2.30
2.30

At 2.30: Dark blue grey occasionally orange mottled very stiff fissured slightly weathered silty MUDSTONE with occasional orange moderately coarse sandy fissures

End of Borehole at 2.30 m

Remarks

Trial pit terminated at 2.30m in Mudstone, as no further progress could be made. Samples: TP62 0.5kg Pot, TP62 S1 0.83-1.8m

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Checked by

Scale

1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS


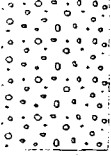
TP63

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457261.00N: 222352.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.20						
				0.50	D			
End of Borehole at 0.70 m		0.70						

0.5m depth

Zinc 32mg/kg OK
Sulphate 1508 " OK

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 0.7m due to cobbles and boulders

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Scale
1:25 Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:



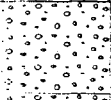

TP63A

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457311.00N: 222289.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0:00						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.24		0.50	B			
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.70						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		1.00		1.00	B			
End of Borehole at 1.20 m.		1.20						

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 1.2m due to cobbles and boulders

Logged by

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Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:


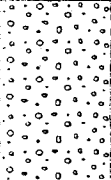
TP64

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457257.00N: 222200.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as loose (highly to completely weathered limestone)		0.25		0.20	D			
				0.60	B			
End of Borehole at 0.85 m		0.85						

0.2 m depth

CISA Arsenic 30 mg/kg > 200
 Chromium 38 u OK
 Lead 29 u OK
 Copper 32 u OK
 Nickel 40 u OK
 Zinc 112 u OK
 Sulphate 1433 u OK

Remarks

No groundwater throughout, trial pit not stable throughout, unable to progress below 0.85m (suspected limestone bedrock), permeability test carried out

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Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP65

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457279.00N: 222081.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.30						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.70						
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		0.95						
End of Borehole at 1.00 m		1.00						

Remarks

No groundwater encountered, pit stable throughout, unable to progress 1m, hard digging below 0.8m

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Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Thicknesses and reduced levels are in metres. Thicknesses given in brackets in depth column.



**PELL FRISCHMANN
CONSULTANTS LTD**

TRIAL PIT RECORD

Trial Pit
Number

TP66

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457190.00N: 221902.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.20						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.40		0.30	B			
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.95 1.00		0.80	B			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE								
End of Borehole at 1.00 m								

Remarks

No groundwater encountered, trial pit stable throughout

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Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:


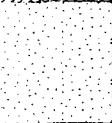

TP67

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Orange brown very clayey fine SAND		0.30		0.50	B			
Stiff orange brown sandy CLAY with much coarse angular limestone gravel		0.70						
End of Borehole at 2.40 m			2.40					

Remarks

Logged by	Checked by
Scale 1:25	Sheet 1 of 1
Figure	



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
MADE GROUND stiff grey slightly silty clay		0.30						
MADE GROUND coarse gravel of very dark grey clinker like material in an orange brown sand matrix. Possibly limestone with calcite leached out?		1.50 1.60 1.70		1.50	D			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, (highly to completely weathered limestone)								

End of Borehole at 2.40 m

1.5m depth

CLEA Arsenic 231 mg/kg > 20
 Chromium 63 " OK
 Copper 58 " OK
 CLEA Nickel 162 " > 50
 Zinc 271 "
 Sulphate 14027 "

Remarks

Logged by

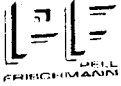
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Scale

1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

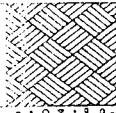
COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION

KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
			Depth	Type	No	Test	

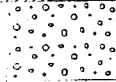
TOPSOIL



0.00

0.34

Yellow brown very sandy clayey course angular
GRAVEL and COBBLES (up to 150mm x 150mm x
10mm) of limestone, (highly to completely
weathered limestone)



0.60

End of Borehole at 2.40 m

Remarks

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

TP70

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, (highly to completely weathered limestone)		0.30						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, (highly to completely weathered limestone)		0.65		0.60	D			
		0.80						

End of Borehole at 2.40 m

0.6 m depth

CLEA Arsenic 24 mg/kg > 20
 Chromium 22 "
 Nickel 34 " OK
 Zinc 48 " OK
 Sulphate 582 " OK

Remarks

Logged by | Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

TP71

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 457216.00N: 221214.00

DATE
21/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL: Mid brown soft loose slightly clayey TOPSOIL with rootlets and organics (5%)		0.00						
Yellow orange and grey mottled moderately soft damp sandy CLAY with fine angular limestone gravel, becoming more clayey with depth		0.30		0.30	D			
Yellow, grey and white hard medium to coarse grained broken rubbly weathered LIMESTONE in a brown and yellow damp sandy clayey matrix (CORNBASH) End of Borehole at 0.91 m		0.90 0.91		0.90	W			
<p>0.3m depth</p> <p>Arsenic 20mg/kg OK</p> <p>Chromium 42 " OK</p> <p>Lead 11 " OK</p> <p>Copper 17 " OK</p> <p>Nickel 37 " OK</p> <p>Zinc 83 " OK</p> <p>Sulphate 1665 " OK</p> <p>water 43 mg/l</p>								

Remarks

At 0.90m a 1L water sample was taken after approx. 5 mins. Trial pit terminated at 0.91m in Cornbrash, as no further progress could be made. Samples: TP71 0.5kg Pop. 0.91 1L water sample

Logged by

Checked by

1:25

Sheet 1 of 1

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP72

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457400.00N: 222346.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.15						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.45		0.20 0.30	D B			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.70 0.75		0.60	B			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE End of Borehole at 0.75 m								

0.6m depth

Zinc 28mg/kg
Sulphate 783 u

Remarks

No groundwater encountered, pit stable throughout Bulk=0.3m, Bulk=0.6m. S'dist 0.6m

Logged by _____ Checked by _____

Scale
1:25
Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

TP73

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457400.00N: 222056.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.30		0.30	D			
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.40		0.40	B			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		0.50						
		0.90		0.80	B			
End of Borehole at 1.00 m		1.00						

Remarks

No groundwater encountered, trial pit stable throughout

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:



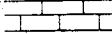
TP73A

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
17/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.30						
				1.00	D			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		1.60 1.70						
End of Borehole at 1.70 m								
1.0m depth								
Arsenic		15 mg/kg						OK
Chromium		40 "						OK
Copper		16 "						OK
Nickel		36 "						OK
Zinc		72 "						OK
Sulphate		241 "						OK

Remarks

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP74

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457400.00N: 221900.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Yellow brown very sandy clayey course angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.20		0.30	B			
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.50						
		0.80		0.70	B			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		1.00						
End of Borehole at 1.00 m								

Remarks

No groundwater encountered, trial pit stable throughout

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
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TRIAL PIT RECORD

Trial Pit
Number

TP75

SITE:
Bicester

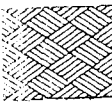
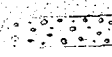
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457400.00N: 221750.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.30 0.40 0.50		0.30	D			
Yellow brown very snady clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone) End of Borehole at 0.50 m								

0.3m depth

CECA	Arsenic	104 mg/kg	>20
	Chromium	39 "	OK
	Copper	14 "	OK
	Nickel	44 "	OK
	Zinc	64 "	OK
	Sulphate	1144 "	OK

Remarks

No groundwater encountered. Trial pit stable throughout, unable to progress below 0.5m due to cobbles and boulders of limestone in pit base. S'disturbed sample at 0.3m

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Thicknesses given in brackets in depth column



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP76

SITE:
Bicester

EQUIPMENT AND METHODS.

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
15/08/2001

STRATA DESCRIPTION

TOPSOIL

MADE GROUND stiff yellow brown clay becoming mottled grey with depth with occasional grey and red brown pockets of sand. Water inflow at 2.5m depth

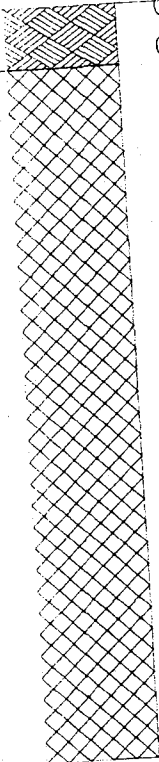
KEY DEPTH
(Thick)

LEVEL
(mAOD)

SAMPLES/TESTS

INSTALLATIONS/
BACKFILL

Depth Type No Test



0.00
0.20

0.50 D

2.50

2.50 B
2.50 W

End of Borehole at 2.50 m

Chromium 33 mg/kg
Nickel 21
Zinc 59
Sulphate 498

79 mg/l
Chloride 21 mg/l

Remarks

Logged by Checked by

Scale 1:25 Sheet 1 of

Figure

Notes:
Materials are described in accordance with BS 5930:1999
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP76A

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

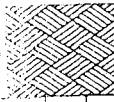
COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION

KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
			Depth	Type	No	Test	

TOPSOIL



0:00

0:30

0:40

Yellow and light grey very thinly bedded
moderately to highly weathered moderately strong
to strong LIMESTONE

End of Borehole at 2.40 m

Remarks

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
TP76A and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP76B

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
17/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
MADE GROUND firm very sandy grey mottled brown clay with pockets of sandy gravel		0.30						
Yellow brown sandy clayey coarse angular GRAVEL and COBBLES of limestone (highly to completely weathered limestone). Water inflow at 2.1m depth		2.10 2.15		2.00	W			

End of Borehole at 2.40 m

Water
2.0m depth

Sulphate 64
Chloride 20

Remarks

Pit extended into north-south trending trench. Identified above layers to be approximately 9.5m in lateral extent, bounded by highly weathered limestone at 0.3m depth

Logged by

Checked by

Scale north and south
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
AP 2006 and reduced levels are in metres. Thicknesses given in brackets in depth column.



TP77

SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
17/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS			INSTALLATIONS/
				Depth	Type	No	Test
TOPSOIL		0.00					
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.20					
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		1.60 1.70					
End of Borehole at 2.40 m							

Remarks

Logged by _____ Checked by _____

Scale
1:25 Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
Depths and reduced levels are in metres. Thicknesses given in brackets in depth column



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP78

SITE:
Bicester



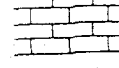
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
17/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/
				Depth	Type	No	Test	BACKFILL
TOPSOIL		0.00		0.20	D			
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.30						
		1.45						
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		1.65						
End of Borehole at 2.00 m								

Remarks

Logged by	Checked by
Scale 1:25	Sheet 1 of 1
Figure	

Notes:
Materials are described in accordance with BS 5930:1999.
Thicknesses and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457543.00N: 222326.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
Topsoil and tree roots		0.00						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.25		0.50	D			
				0.50	B			
Yellow brown very sandy clayey course angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.75		0.90	B			
		1.10						
		1.20						
ow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel								
End of Borehole at 2.00 m								
				2.00	D			

0.5m depth

Arsenic 19 mg/kg OK
 Chromium 33 " OK
 Nickel 30 " OK
 Zinc 62 " OK
 Sulphate 1017 " OK

Remarks

Very slight water seepage at base of hole, trial pit stable throughout, unable to progress below 1.2m due to cobbles. Bulk=0.5m. Bulk=0.9m S'disturbed=0.5m

Logged by

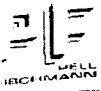
Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



LOCATION:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 457529.00N: 222280.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
MADE GROUND Brown clayey fine to medium angular and subangular gravel of limestone (noticeably no coarse gravel or cobbles)		0.20						
				0.40	D			
				0.40	B			
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.60						
Light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		0.90						
End of Borehole at 0.95 m		0.95						

0.4m depth

Arsenic 15 mg/kg

Chromium 12 "

Zinc 23 "

Sulphate 745 "

Remarks

Very slight water seepage at base of hole. Trial pit unstable at 0.2-0.6m, Bulk=0.4m, Bulk=0.8m, S'disturbed=0.4m

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure



SITE:
Bicester


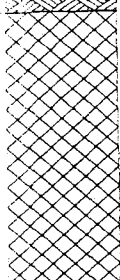
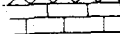
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
16/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.20						
MADE GROUND Brown clayey fine to medium angular and subangular gravel of limestone (noticeably no coarse gravel or cobbles) some evidence of lime burning activity due to rare white limestone gravel				0.50 0.50	D B			
Light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		1.10 1.20						
End of Borehole at 1.30 m								

0.5m depth
Arsenic 15 mg/kg
Zinc 19 "
Sulphate 112 "

Remarks

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure



EQUIPMENT AND METHODS:

SITE:
Bicester

CLIENT:
A.D Woody

GROUND LEVEL
0.000

COORDINATES
E: 457546.00N: 222200.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.30						
Stiff yellow brown very sandy CLAY with much angular medium to coarse gravel of limestone		0.70						
Brown fine to medium SAND with rare limestone gravel		0.85		0.85	D			
Yellow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel		1.18						
End of Borehole at 1.20 m		1.20						

0.85m depth

Arsenic 20mg/kg OK
 Chromium 26 " OK
 Nickel 34 " OK
 Zinc 50 " OK
 Sulphate 315 " OK

Remarks

No groundwater encountered, trial pit unstable at 0-1.1m

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure



TP81

SITE:
Bicester

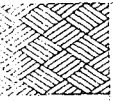

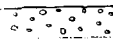
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457557.00N: 221899.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Stiff to very stiff light grey and brown mottled v. sandy fissured CLAY with cobbles in the upper surface		0.30						
Yellow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel		1.90 2.00						
End of Borehole at 2.00 m								

Remarks

No groundwater encountered, trial pit stable throughout, feature noted in southern pit wall as a 0.6m deep slot into layer 2 filled with top soil - possible start of a land drain

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:


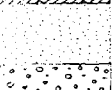
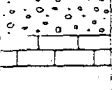

TP82

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457569.00N: 221670.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.30		0.30	B			
		0.50		0.40	D			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.70		0.60	B			
		0.80						
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong strong LIMESTONE								
End of Borehole at 0.80 m								

Remarks

No groundwater encountered. Trial pit stable throughout

Logged by _____ Checked by _____

Scale
1:25 Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

SITE:
Bicester

EQUIPMENT AND METHODS:

TP83

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457638.00N: 222287.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
Dark brown and black fibrous PEAT		0.00						
				0.20	D			
Soft grey brown CLAY		0.30						
				0.40	B			
		0.50						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)								
				0.80	B			
				0.80	W			
		1.10						
		1.20						
Yellow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel								
End of Borehole at 1.20 m								

0.2m depth

Water
0.2m

Arsenic 18 mg/kg ok

Chromium 13 " ok

Lead 47 " ok

Copper 22 " ok

Nickel 21 " ok

Zinc 69 " ok

Sulphate 3000 " 59

Remarks

Moderate inflow of water at 0.8m, rose to 0.6m in 20mins. Trial pit unstable to 1m

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes

Materials are described in accordance with BS 5930:1999.
Rise and reduced levels are in metres. Thicknesses given in brackets in depth column



SITE:
Bicester

EQUIPMENT AND METHODS:

TP84

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457700.00N: 222200.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.15						
MADE GROUND soft to firm yellow brown and grey mottled clay with many carbonised plant stems throughout				1.00 1.00	D B			
Yellow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel		1.30		1.50	B			
End of Borehole at 1.70 m		1.70						

1.0 m depth

Chromium 25 mg/kg

Nickel 20 " "

Zinc 59 " "

Sulphate 158 " "

Remarks

Very minor seepage of groundwater at base of pit, trial pit stable throughout

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:

Materials are described in accordance with BS 5930:1999
 All depths and reduced levels are in metres. Thicknesses given in brackets in depth column



SITE:
Bicester

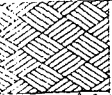
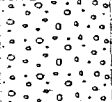
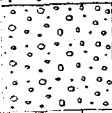
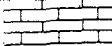
EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457712.00N: 222077.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.30						
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.65						
Light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE and small fine gravel sized cavities noted in limestone		1.00						
End of Borehole at 1.15 m		1.15						

Remarks

No groundwater encountered, trial pit stable throughout

Logged by

Checked by

Scale

1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

TP86

EQUIPMENT AND METHODS:

ITE:
Bicester

GROUND LEVEL
0.000

COORDINATES
E: 457661.00N: 221976.00

DATE
07/08/2001

CLIENT:
A.D Woody

STRATA DESCRIPTION

TOPSOIL

Stiff grey very sandy CLAY with much angular
medium to coarse gravel of limestone

Thin grey very thinly bedded moderately to highly
weathered moderately strong to strong LIMESTONE
and small fine gravel sized cavities noted in
limestone.

End of Borehole at 1.30 m

KEY DEPTH
(Thick)

LEVEL
(mAOD)

SAMPLES/TESTS

INSTALLATIONS/
BACKFILL

Depth

Type

No

Test

BACKFILL

0.00

0.25

0.50

B

1.00

1.00

B

1.30

Remarks

No groundwater encountered, (trial pit stable throughout)

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457700.00N: 221900.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.20		0.10	D			
Stiff grey very sandy CLAY with much angular medium to coarse gravel of limestone		0.40						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.50						
Light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE and small fine gravel sized cavities noted in limestone		0.55						
End of Borehole at 0.55 m								
<p>0.1 m depth</p> <p>CuA Arsenic 26 mg/kg > 200</p> <p>Chromium 44 "</p> <p>Lead 19 "</p> <p>Copper 26 "</p> <p>Nickel 30 "</p> <p>Zinc 109 "</p> <p>Sulphate 950 "</p>								

Remarks

No groundwater encountered. Trial pit stable throughout

Logged by _____ Checked by _____
Scale 1:25 Sheet 1 of 1
Figure _____

Notes:
Materials are described in accordance with BS 5930:1999.
All depths and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

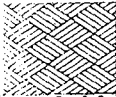
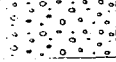
TP88

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457627.00N: 221764.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.30						
End of Borehole at 0.50 m		0.50						

Remarks

No groundwater encountered, no progress below 0.5m due to cobbles and boulders of limestone

Logged by

Checked by

Scale
1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

TP89

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457846.00N: 222154.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS BACKFILL
				Depth	Type	No	Test	
Dark brown and black fibrous peat		0.00						
				0.20	D			
Soft grey organic CLAY with rare subangular gravel		0.30						
				0.50	B			
		0.60						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)								
				0.90	B			
		1.25						
End of Borehole at 1.25 m								

End of Borehole at 1.25 m

0.2m depth

*Clear Arsenic 20 mg/kg > 20
Chromium 25 " " "
Lead 34 " " "
Zinc 143 " " "
Sulphate 3429 " " "*

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 1.25m due to limestone cobbles and boulders

Logged by _____ Checked by _____

Scale
1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 457879.00N: 222203.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00 0.20						
Soft brown slightly sandy CLAY		0.65		0.50 0.50	D B			
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.90		0.80 0.90	B W			
Yellow brown sandy slightly clayey angular COBBLES of strong limestone with much angular coarse gravel		1.13						

End of Borehole at 1.13 m

0.5m depth
Chromium 51 mg/kg ✓
Copper 30 " ✓
Nickel 28 " ✓
Zinc 96 " ✓
Sulphate 2310 " ✓ 68

water
0.9m

Remarks

Minor water seepage at 0.9m, minor instability at 0.65m-1.13m, unable to progress below 1.13 due to limestone cobbles and boulders

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Scale
1:25

Sheet 1 of 1

Figure



PELL FRISCHMANN
CONSULTANTS LTD

TRIAL PIT RECORD

Trial Pit
Number

SITE:
Bicester

EQUIPMENT AND METHODS:




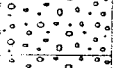
TP89B

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457772.00N: 222257.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/
				Depth	Type	No	Test	BACKFILL
TOPSOIL		0.00						
Soft brown organic CLAY with much plant rootlets		0.30						
Orange brown very clayey fine to medium SAND with much angular and subangular gravel of light grey limestone, assessed from pit walls as dense (highly to completely weathered limestone)		0.55						
Yellow brown sandy slightly clayey angular BOBBLES of strong limestone with much angular coarse gravel				0.70	D			
				0.70	B			
		0.90		0.90	W			
End of Borehole at 1.00 m		1.00						

Remarks

Water inflow at 0.9m, rose to 0.45m in 30 mins. Trial pit stable throughout, unable to progress below 1.0m

Logged by

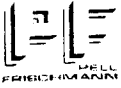
Checked by

Scale

1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:


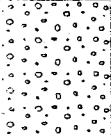

TP90

CLIENT:
A.D Woodyly

GROUND LEVEL
0.000

COORDINATES
E: 457783.00N: 222055.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL		0.00						
Red brown very sandy clayey coarse angular GRAVEL and COBBLES of limestone, assessed from the pit walls as dense (highly to completely weathered limestone)		0.25		0.50	D			
Yellow and light grey very thinly bedded moderately to highly weathered moderately strong to strong LIMESTONE		0.70						
End of Borehole at 0.90 m		0.90						

0.5m depth

CELA Arsenic 42 mg/kg > 20
 Chromium 34 " ok
 Copper 19 " ok
 Nickel 45 " ok
 Zinc 110 " ok
 Sulphate 76 " ok

Remarks

No groundwater encountered, trial pit stable throughout, unable to progress below 0.9m

Logged by _____ Checked by _____

Scale 1:25 Sheet 1 of 1

Figure _____

Notes:
Materials are described in accordance with BS 5930:1999.
MAGs and reduced levels are in metres. Thicknesses given in brackets in depth column.



SITE:
Bicester

EQUIPMENT AND METHODS:

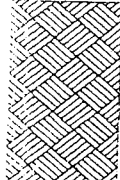
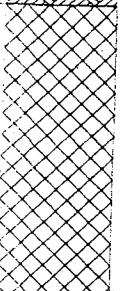

TT1

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL with occasional glass fragments		0.00						
MADE GROUND grey brown ash and clinker fill with much glass bottles, some metal and occasional pottery fragments. Glass showing signs of melting due to high temperatures in the past		0.60		0.50	D			
Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone) End of Borehole at 1.70 m		1.60 1.70						

All 0.5m depth

At 0.5m depth:
 Copper 363mg/kg
 lead 701mg/kg > 450
 arsenic 69 mg/kg > 20
 zinc 2167mg/kg > 1200
 Sulphate 4774 mg/kg
 sulphur 1990 mg/kg
 nickel 106 mg/kg > 50
 chlorine 28 mg/kg OK

Remarks

Pit 2.5m long trending east-west encountered near vertical quarry "high wall" in eastern face. Topsoil underlain by highly weathered limestone to east of this.

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Scale
1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

TT2

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
07/08/2001

STRATA DESCRIPTION

KEY

DEPTH
(Thick)

LEVEL
(mAOD)

SAMPLES/TESTS

INSTALLATIONS/
BACKFILL

Depth Type No Test

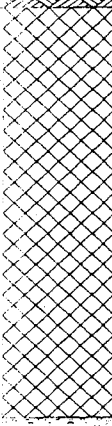
TOPSOIL with occasional glass fragments



0.00

0.30

MADE GROUND grey brown ash and clinker fill with much glass bottles, some metal and occasional pottery fragments. Glass showing signs of melting due to high temperatures in the past and a vehicle tyre



0.50 D

1.00 D

1.65
1.70

Yellow brown very sandy clayey coarse angular GRAVEL and COBBLES (up to 150mm x 150mm x 10mm) of limestone, assessed from pit walls as dense (highly to completely weathered limestone)

End of Borehole at 1.70 m

To 0.5m

To 1.0m

CLEA	Arsenic	123 mg/kg > 20	72 > 20		
CLEA	Lead	1227 mg/kg > 450	750 > 450		
	Copper	421 mg/kg	300		
CLEA	Nickel	170 " > 50	132 > 50		
CLEA	Zinc	1660 mg/kg > 1200	1737 > 1200		
	Sulphate	6069 "	4960		
	Sulphur	2829 "	2425		
	Chromium	56 "	58	OK	

Remarks

Pit extended to 8m in length trending north-south encountered edge of quarry in southern face. Topsoil underlain by highly weathered limestone to south of this.

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Scale
1:25

Sheet 1 of 1

Figure



SITE:
Bicester

EQUIPMENT AND METHODS:

TT3

CLIENT:
A.D Woodly

GROUND LEVEL
0.000

COORDINATES
E: 0.00 N: 0.00

DATE
07/08/2001

STRATA DESCRIPTION	KEY	DEPTH (Thick)	LEVEL (mAOD)	SAMPLES/TESTS				INSTALLATIONS/ BACKFILL
				Depth	Type	No	Test	
TOPSOIL with occasional glass fragments		0.00						
MADE GROUND firm to stiff grey brown sandy clay		0.25						
MADE GROUND grey brown ash and clinker fill with much glass bottles, some metal and occasional pottery fragments. Glass showing signs of melting due to high temperatures in the past. Fragment of pottery carried printing "NAAFI" and date "1945". One piece of metal possibly a clutch cover for a vehicle engine		0.55		1.00	D			
Soft brown silty CLAY		2.00						
End of Borehole at 2.40 m		2.40		2.40	D			

z. To 1.0m

CLEA Arsenic 28 mg/kg > 20
 Chromium 56 "
 CLEA Lead 1352 " > 450
 Copper 327 "
 CLEA Nickel 173 " > 50
 CLEA Zinc 1619 " > 1200
 Sulphate 3532 "
 Sulphur 3086 "

emarks

Logged by

Checked by

Scale

1:25


Sheet 1 of 1

Figure

APPENDIX 2
LABORATORY TESTING RESULTS

SUMMARY OF LABORATORY SOIL DESCRIPTIONS


Trial Pit Number	Sample Number	Depth m	Description of Sample	P.F.C. WAKEFIELD	
				Post No.	File Ref.
				CIRCULATE	
				01. OCT 2001	
1A	B	1.50	Orangish brown slightly gravelly very sandy very silty CLAY.	P. ELLIOT RA Hulles. L. Marshall	
3	D	2.40	Brown slightly gravelly sandy silty CLAY.		
7	B	0.70	Pale brown sandy clayey silty GRAVEL.		
14A	B	2.00	Brown gravelly slightly sandy silty CLAY.		
14A	D	2.00	Brown gravelly slightly sandy silty CLAY.		
16	B	2.60	Greyish brown sandy silty CLAY.		
17	B	0.50	Brown very sandy clayey very silty GRAVEL.		
21	B	0.25	Pale brown slightly gravelly slightly sandy very silty CLAY.		
22A	D	2.00	Brownish grey slightly gravelly slightly sandy silty CLAY.		
23	D	2.00	Pale brown slightly gravelly sandy silty CLAY.		
23	D	2.50	Brownish grey gravelly sandy silty CLAY.		
24	B	0.70	Brown sandy clayey silty GRAVEL.		
27	B	0.30	Pale brown sandy very silty CLAY.		
28	B	0.33	Brown very sandy slightly clayey silty GRAVEL.		
29	B	1.20	Pale brown very sandy slightly clayey silty GRAVEL.		
30	B	1.80	Pale grey slightly sandy very silty CLAY.		
33	B	1.50	Pale brown gravelly SAND.		
35	B	0.50	Brown sandy clayey very silty GRAVEL.		
39	B	1.50	Brown very sandy slightly clayey silty GRAVEL.		

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	BICESTER.					

SUMMARY OF LABORATORY SOIL DESCRIPTIONS





Trial Pit Number	Sample Number	Depth m	Description of Sample
45	B	0.70	Pale brown very sandy clayey silty GRAVEL.
48	B	1.00	Brown slightly sandy clayey very silty GRAVEL.
49	B	0.57	Grey mottled brown slightly sandy very silty CLAY.
52	B	1.40	Pale brown very gravelly very sandy very silty CLAY.
53	D	0.30	Brown slightly gravelly sandy silty CLAY.
54	D	0.80	Brown sandy silty CLAY.
56	B	0.70	Brown sandy clayey silty GRAVEL.
59A	B	1.00	Brown slightly sandy clayey silty GRAVEL with many cobbles.
61	B	0.50	Brown sandy clayey silty GRAVEL.
62	B	0.83	Yellowish brown mottled grey slightly sandy silty CLAY.
63A	B	0.50	Orangish brown slightly gravelly sandy silty CLAY.
63A	B	1.00	Pale brown slightly gravelly very sandy very silty CLAY.
64	B	0.60	Pale brown very sandy slightly clayey silty GRAVEL.
66	B	0.30	Brown slightly gravelly very sandy very silty CLAY.
66	B	0.80	Pale brown slightly sandy very silty CLAY.
67	B	0.50	Orangish brown slightly gravelly very sandy silty CLAY.
72	B	0.30	Brown sandy slightly clayey very silty GRAVEL.
72	B	0.60	Pale brown very sandy clayey silty GRAVEL.
73	B	0.40	Brown sandy silty CLAY.

Sheet 2 of 2.

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	<i>S. Mole</i>	28/9/01	<i>R. Cur</i>	28/9/01	<i>R. Cur</i>	28/9/01
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						Figure:

SUMMARY OF LABORATORY SOIL DESCRIPTIONS


Trial Pit Number	Sample Number	Depth m	Description of Sample
73	B	0.80	Pale brown slightly sandy silty CLAY.
74	B	0.30	Orangish brown very sandy clayey silty GRAVEL.
74	B	0.70	Pale brownish grey sandy silty CLAY.
76	B	2.50	Pale brown slightly gravelly very sandy silty CLAY.
79	B	0.50	Brown very sandy clayey silty GRAVEL.
79	B	0.90	Orangish brown sandy silty clayey GRAVEL.
79A	B	0.40	Brown sandy clayey silty GRAVEL.
79B	B	0.50	Pale brown very sandy slightly clayey silty GRAVEL.
82	B	0.30	Brown sandy clayey silty GRAVEL.
82	B	0.60	Brown very sandy slightly clayey silty GRAVEL.
83	B	0.40	Brown slightly sandy silty organic CLAY.
83	B	0.80	Brown sandy clayey silty GRAVEL with some cobbles.
84	B	1.00	Brown slightly gravelly very sandy very silty CLAY.
84	B	1.50	Pale brownish grey slightly sandy silty GRAVEL.
86	B	0.50	Brown slightly sandy silty CLAY.
86	B	1.00	Brown gravelly sandy silty CLAY.
89	B	0.50	Dark brown very peaty CLAY.
89	B	0.90	Brown very gravelly clayey silty SAND.
89A	B	0.50	Dark brown very peaty CLAY.

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SUMMARY OF LABORATORY SOIL DESCRIPTIONS


Trial Pit Number	Sample Number	Depth m	Description of Sample
89A	B	0.80	Brown sandy clayey silty GRAVEL with many cobbles.
89B	B	0.70	Brown slightly sandy silty CLAY.

Sheet 2 of 2.

 <p style="font-size: 2em; font-weight: bold; margin: 0;">THYSSEN GEOTECHNICAL</p>	Compiled by <i>[Signature]</i>	Date 28/9/01	Checked by <i>[Signature]</i>	Date 28/9/01	Approved by <i>[Signature]</i>	Date 28/9/01
	BICESTER.					
						Contract No NL211004 Figure:

SUMMARY OF LABORATORY SOIL DESCRIPTIONS


Borehole Number	Sample Number	Depth m	Description of Sample
1	B	1.00	Dark brown gravelly slightly sandy silty CLAY.
1	D	2.00	Dark brown very gravelly sandy silty CLAY.
1	U	2.00	Stiff pale brown gravelly slightly sandy silty CLAY.
1	D	2.50	Brown slightly sandy silty CLAY.
2	B	1.00	MADE GROUND dark grey very sandy clayey very silty gravel of ash.
2	D	1.00	MADE GROUND dark grey very sandy clayey very silty gravel of ash.
2	D	2.60	Brownish grey slightly sandy silty CLAY.
2	D	2.80	Grey mottled brown slightly gravelly slightly sandy silty CLAY.
2	U	3.00	Pale grey mottled brown gravelly slightly sandy silty CLAY.
2	D	3.50	Grey sandy silty CLAY.
3	D	2.00	Pale brown slightly gravelly sandy silty CLAY.
3	D	2.80	Brown slightly gravelly sandy silty CLAY.
3	U	3.00	Pale brown very gravelly sandy silty CLAY.
3	D	3.50	Pale brown gravelly sandy silty CLAY.
4	D	1.00	Pale brown slightly gravelly sandy silty CLAY.
4	D	2.00	Pale brown sandy silty CLAY.
4	U	3.00	Very stiff grey very silty CLAY.
4	D	4.00	Brown mottled grey sandy silty CLAY.
5	U	1.00	Brown sandy very clayey silty GRAVEL.

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	<i>Stela Joki</i>		<i>Ra</i>	<i>Ra</i>		
BICESTER.						Contract No NL211004

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Borehole Number	Sample Number	Depth m	Description of Sample
5	D	1.50	Pale brown mottled grey very sandy silty CLAY.
5	D	2.00	Very stiff pale brown mottled grey gravelly slightly sandy very silty CLAY.
5	D	2.90	Grey gravelly sandy silty CLAY.
6	D	1.00	Brown gravelly sandy silty CLAY.
6	D	1.70	Pale brown mottled grey gravelly slightly sandy silty CLAY.
6	U	2.00	Grey slightly gravelly slightly sandy silty CLAY.
10	U	1.00	Firm brown mottled grey slightly gravelly silty CLAY.
10	D	1.50	Brownish grey slightly gravelly silty CLAY.
10	D	2.00	Grey mottled brown slightly gravelly slightly sandy silty CLAY.
11	D	1.00	Pale brown very sandy silty CLAY.

Sheet 2 of 2.

 THYSSEN GEOTECHNICAL	Compiled by	Date	Checked by	Date	Approved by	Date
	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
	BICESTER.					
						Figure:

SUMMARY OF SOIL CLASSIFICATION TESTS


(B.S. 1377 : PART 2 : 1990)

Borehole Number	Sample Number	Depth m	Moisture Content % Clause 3.2	Bulk Density Mg/m ³ Clause 7.2	Dry Density Mg/m ³ Clause 7.2	Particle Density Mg/m ³ Clause 8.	Liquid Limit % Clause 4.3/4.4	Plastic Limit % Clause 5.	Plasticity Index % Clause 6.	% Passing .425mm	Remarks
1	B	1.00	23				37	19	18	75	Intermediate plasticity CI.
1	D	2.00	21				42	21	21	80	Intermediate plasticity CI.
1	U	2.00	15				50	20	30	100	High plasticity CH.
1	D	2.50	22								
2	B	1.00	29								
2	D	1.00	32								
2	D	2.60	29				61	22	39	98	High plasticity CH.
2	D	2.80	30				42	18	24	68	Intermediate plasticity CI.
2	U	3.00	34				41	17	24	100	Intermediate plasticity CI.
2	D	3.50	16								
3	D	2.00	18				48	20	28	99	Intermediate plasticity CI.
3	D	2.80	24				30	15	15	87	Low plasticity CL.
3	U	3.00	16								
3	D	3.50	11								
4	D	1.00	16								
4	4	2.00	21				46	17	29	100	Intermediate plasticity CI.
4	U	3.00	21								
4	D	4.00	10				36	18	18	48	Intermediate plasticity CI.
5	U	1.00	16								

Sheet 1 of 2.

SYMBOLS : NP : Non Plastic

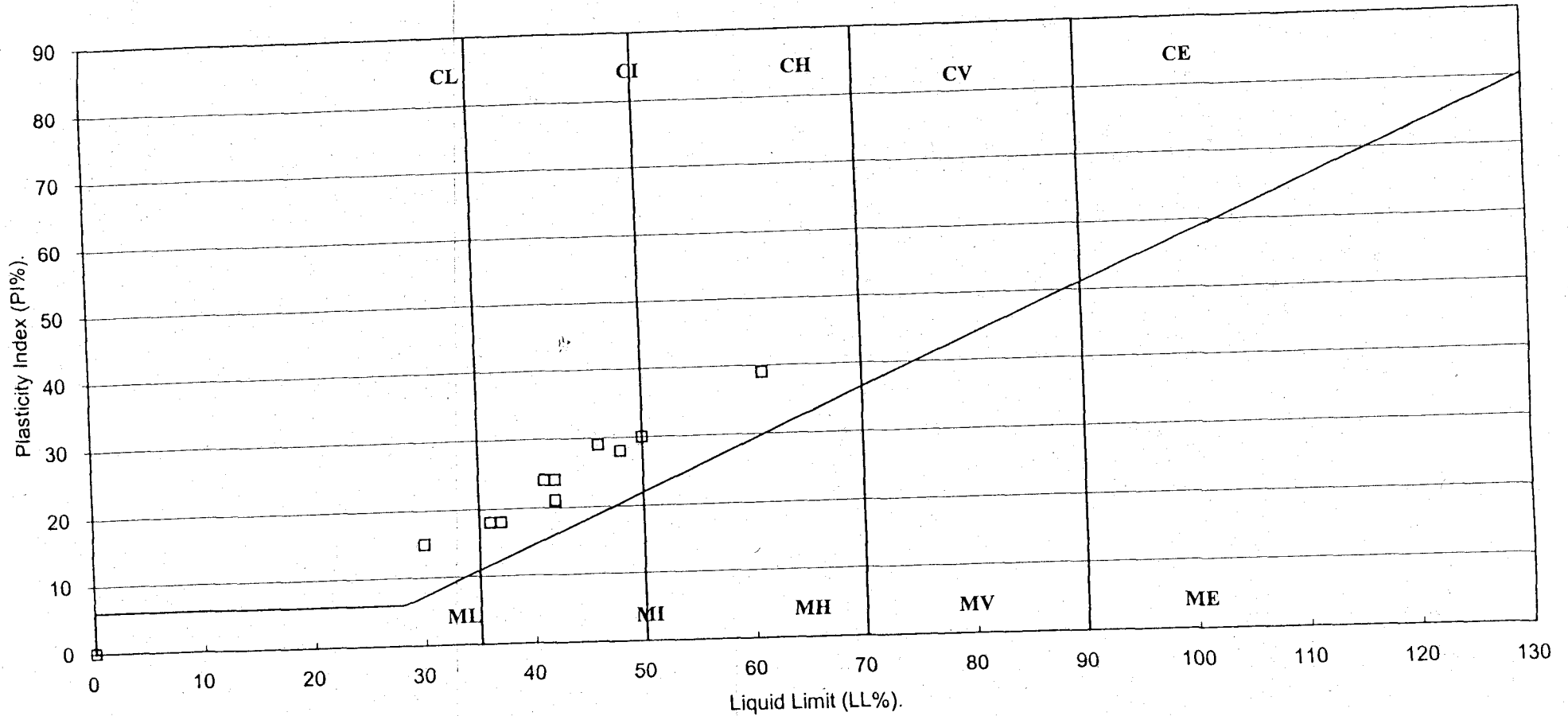
* : Liquid Limit and Plastic Limit Wet Sieved.


 THYSSEN GEOTECHNICAL	Compiled by	Date	Checked by	Date	Approved by	Date
	<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01
BICESTER.						Contract No NL211004
						Figure:

South Kirkby, Pontefract, WF9 3AP

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



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	BICESTER.					
						Figure:

SUMMARY OF SOIL CLASSIFICATION TESTS

(B.S. 1377 : PART 2 : 1990)

Borehole Number	Sample Number	Depth m	Moisture Content % <small>Clause 3.2</small>	Bulk Density Mg/m ³ <small>Clause 7.2</small>	Dry Density Mg/m ³ <small>Clause 7.2</small>	Particle Density Mg/m ³ <small>Clause 8.</small>	Liquid Limit % <small>Clause 4.3/4.4</small>	Plastic Limit % <small>Clause 5.</small>	Plasticity Index % <small>Clause 6.</small>	% Passing .425mm	Remarks
5	D	1.50	16				32	16	16	100	Low plasticity CL.
5	D	2.00	21								
5	D	2.90	25				42	17	25	87	Intermediate plasticity CI.
6	D	1.00	21								
6	D	1.70	27				52	20	32	89	High plasticity CH.
6	U	2.00	20				63	22	41	99	High plasticity CH.
10	U	1.00	31				74	22	52	100	Very high plasticity CV.
10	D	1.50	30				74	23	51	99	Very high plasticity CV.
10	D	2.00	36				67	23	44	97	High plasticity CH.
11	D	1.00	20								

SYMBOLS : NP : Non Plastic

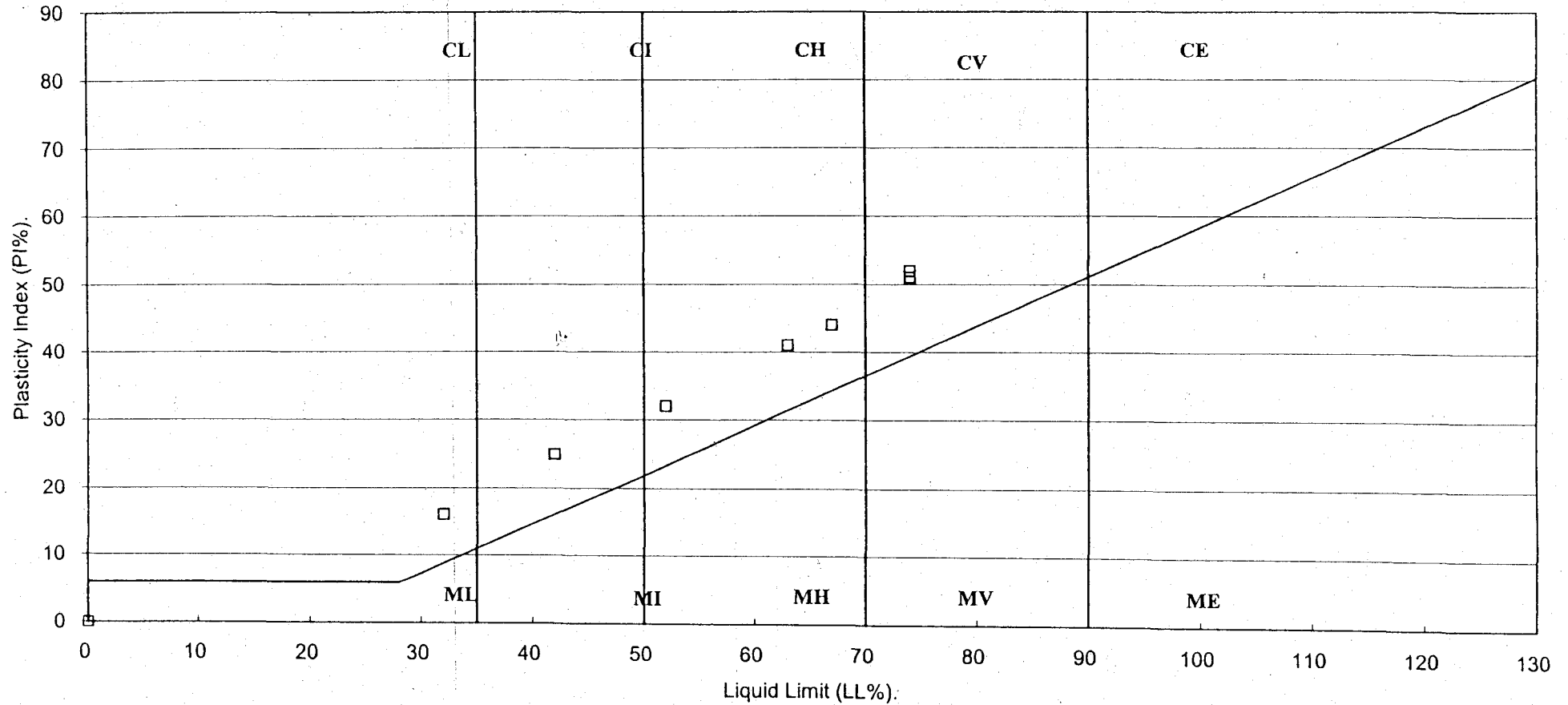
* : Liquid Limit and Plastic Limit Wet Sieved.

Sheet 1 of 2.

THYSSEN GEOTECHNICAL	Compiled by	Date	Checked by	Date	Approved by	Date
	<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01
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						Figure:

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



**THYSSEN
GEOTECHNICAL**

Compiled by	Date	Checked by	Date	Approved by	Date
<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01	<i>[Signature]</i>	26/9/01
BICESTER.					Contract No NL211004
					Figure:

SUMMARY OF SOIL CLASSIFICATION TESTS


(B.S. 1377 : PART 2 : 1990)

Trial Pit Number	Sample Number	Depth m	Moisture Content % Clause 3.2	Bulk Density Mg/m ³ Clause 7.2	Dry Density Mg/m ³ Clause 7.2	Particle Density Mg/m ³ Clause 8.	Liquid Limit % Clause 4.3/4.4	Plastic Limit % Clause 5.	Plasticity Index % Clause 6.	% Passing .425mm	Remarks
3	D	2.40	32				37	18	19	96	Intermediate plasticity CI.
7	B	0.70	9								
14A	B	2.00	22				47	18	29	86	Intermediate plasticity CI.
14A	D	2.00	18				50	18	32	87	High plasticity CH.
16	B	2.60	18				50	19	31	100	High plasticity CH.
17	B	0.50	13								
21	B	0.25	30								
22A	D	2.00	28				63	23	40	99	High plasticity CH.
23	D	2.00	26				54	21	33	99	High plasticity CH.
23	D	2.50	24				43	21	22	86	Intermediate plasticity CI.
27	B	0.30	27				54	21	33	99	High plasticity CH.
29	B	1.20	8				43	21	22	86	Intermediate plasticity CI.
30	B	1.80	41								
39	B	1.50	8								
45	B	0.70	12								
48	B	1.00	22								
49	B	0.57	34								
52	B	1.40	17				65	23	42	100	High plasticity CH.
53	D	0.30	22				47	20	27	99	Intermediate plasticity CI.

SYMBOLS : NP : Non Plastic

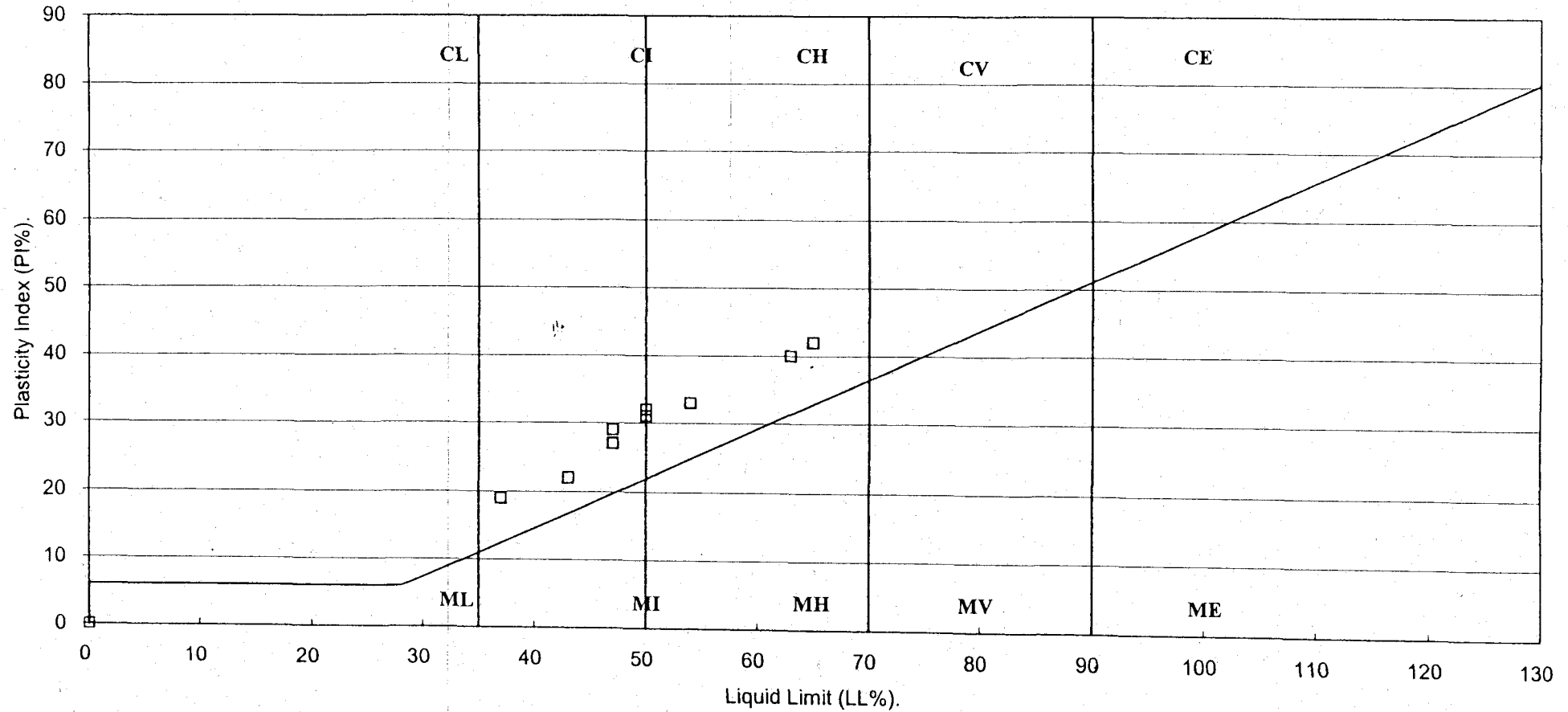
* : Liquid Limit and Plastic Limit Wet Sieved.

Sheet 1 of 2.

	Compiled by	Date	Checked by	Date	Approved by	Date
	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
BICESTER.						Contract No NL211004
						Figure:

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



**THYSSEN
GEOTECHNICAL**

Compiled by	Date	Checked by	Date	Approved by	Date
<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
BICESTER.					Contract No NL211004
					Figure:

SUMMARY OF SOIL CLASSIFICATION TESTS


(B.S. 1377 : PART 2 : 1990)

Trial Pit Number	Sample Number	Depth m	Moisture Content % <small>Clause 3.2</small>	Bulk Density Mg/m ³ <small>Clause 7.2</small>	Dry Density Mg/m ³ <small>Clause 7.2</small>	Particle Density Mg/m ³ <small>Clause 8.</small>	Liquid Limit % <small>Clause 4.3/4.4</small>	Plastic Limit % <small>Clause 5.</small>	Plasticity Index % <small>Clause 6.</small>	% Passing .425mm	Remarks
							39	15	24	100	Intermediate plasticity CI.
54	D	0.80	23								
59A	B	1.00	15				35	16	19	26	Intermediate plasticity CI.
61	B	0.50	10				55	26	29	100	High plasticity CH.
62	B	0.83	32								
63A	B	1.00	11								
64	B	0.60	9								
66	B	0.30	16				61	20	41	100	High plasticity CH.
66	B	0.80	26								
72	B	0.30	8				58	21	37	100	High plasticity CH.
73	B	0.80	19				78	22	56	100	Very high plasticity CV.
74	B	0.70	24				29	12	17	92	Low plasticity CL.
76	B	2.50	15								
79A	B	0.40	10								
79B	B	0.50	10								
82	B	0.60	7				89	33	56	100	Very high plasticity CV.
83	B	0.40	56								
83	B	0.80	17				49	17	32	80	Intermediate plasticity CI.
84	B	1.00	29				70	23	47	100	Very high plasticity CV.
86	B	0.50	24								

Sheet 1 of 2.

SYMBOLS : NP : Non Plastic

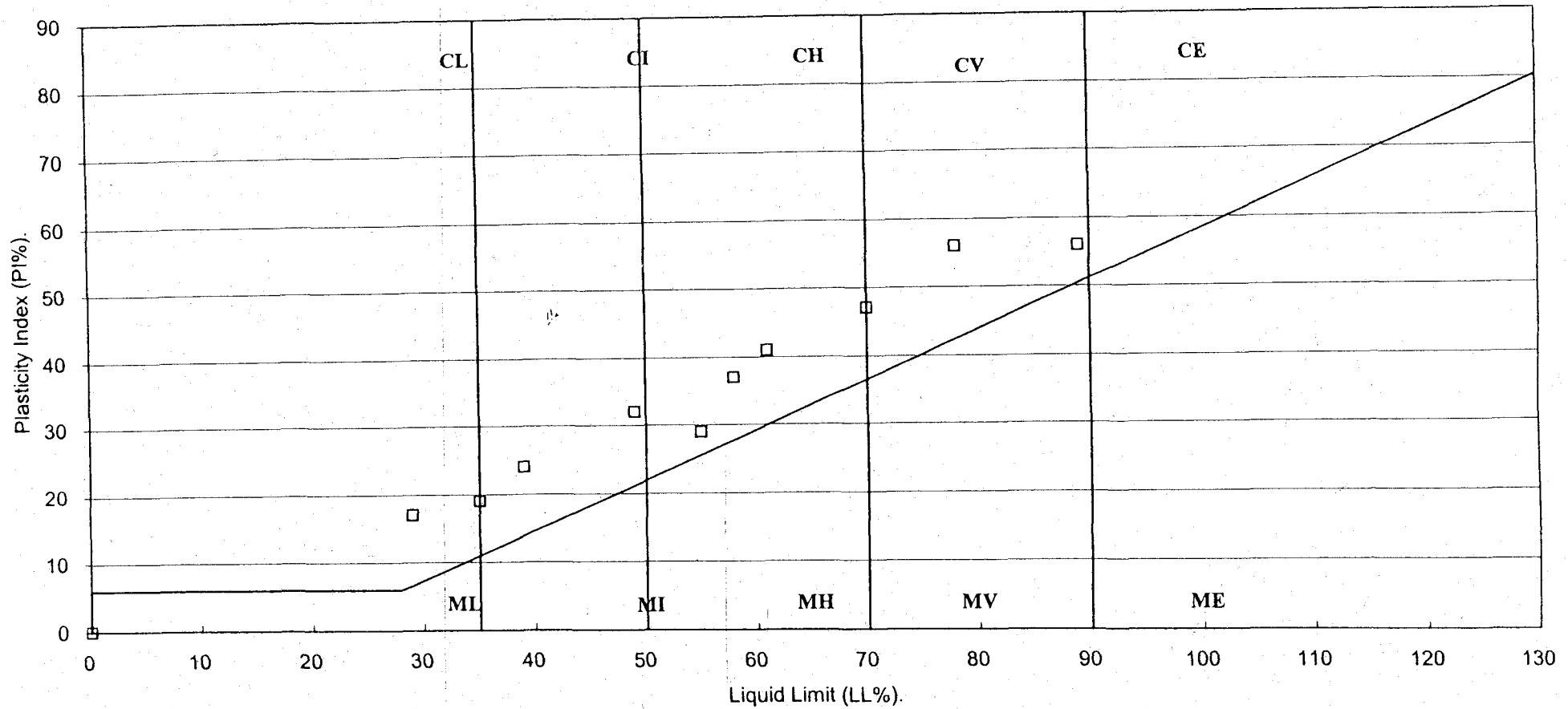
* : Liquid Limit and Plastic Limit Wet Sieved.

 THYSSEN GEOTECHNICAL	Compiled by	Date	Checked by	Date	Approved by	Date
	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
	BICESTER.					
						Figure:

South Kirkby, Pontefract, WF9 3AP.

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



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GEOTECHNICAL**




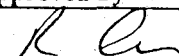
Compiled by	Date	Checked by	Date	Approved by	Date
<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
BICESTER.					Contract No NL211004
					Figure:

SUMMARY OF SOIL CLASSIFICATION TESTS

(B.S. 1377 : PART 2 : 1990)

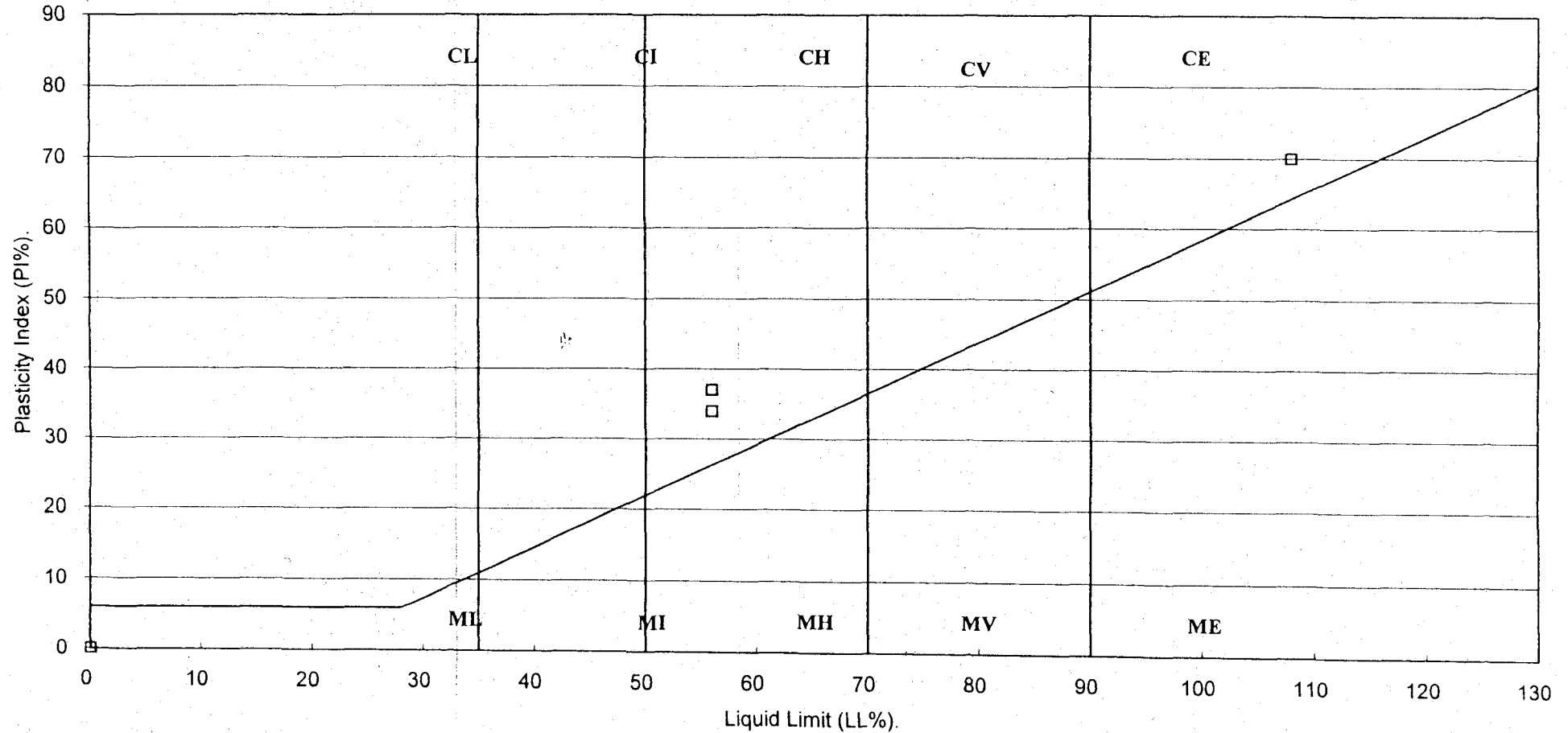
Trial Pit Number	Sample Number	Depth m	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% Passing .425mm	Remarks
			Clause 3.2	Clause 7.2	Clause 7.2	Clause 8.	Clause 4.3/4.4	Clause 5.	Clause 6.		
86	B	1.00	37				56	22	34	60	High plasticity CH.
89	B	0.50	77				108	38	70	95	Extremely high plasticity CE.
89A	B	0.50	106				156	54	102	99	Extremely high plasticity CE.
89B	B	0.70	36				56	19	37	100	High plasticity CH.
89A	B	0.80	9								
89B	B	0.70	36				56	19	37	100	High plasticity CH.

SYMBOLS : NP : Non Plastic * : Liquid Limit and Plastic Limit Wet Sieved. Sheet 1 of 2.

 THYSSEN GEOTECHNICAL	Compiled by	Date	Checked by	Date	Approved by	Date	
			28/9/01			28/9/01	
BICESTER.						Contract No NL211004	
Figure:							

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



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Compiled by	Date	Checked by	Date	Approved by	Date
<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01	<i>[Signature]</i>	28/9/01
BICESTER.					Contract No NL211004
					Figure:

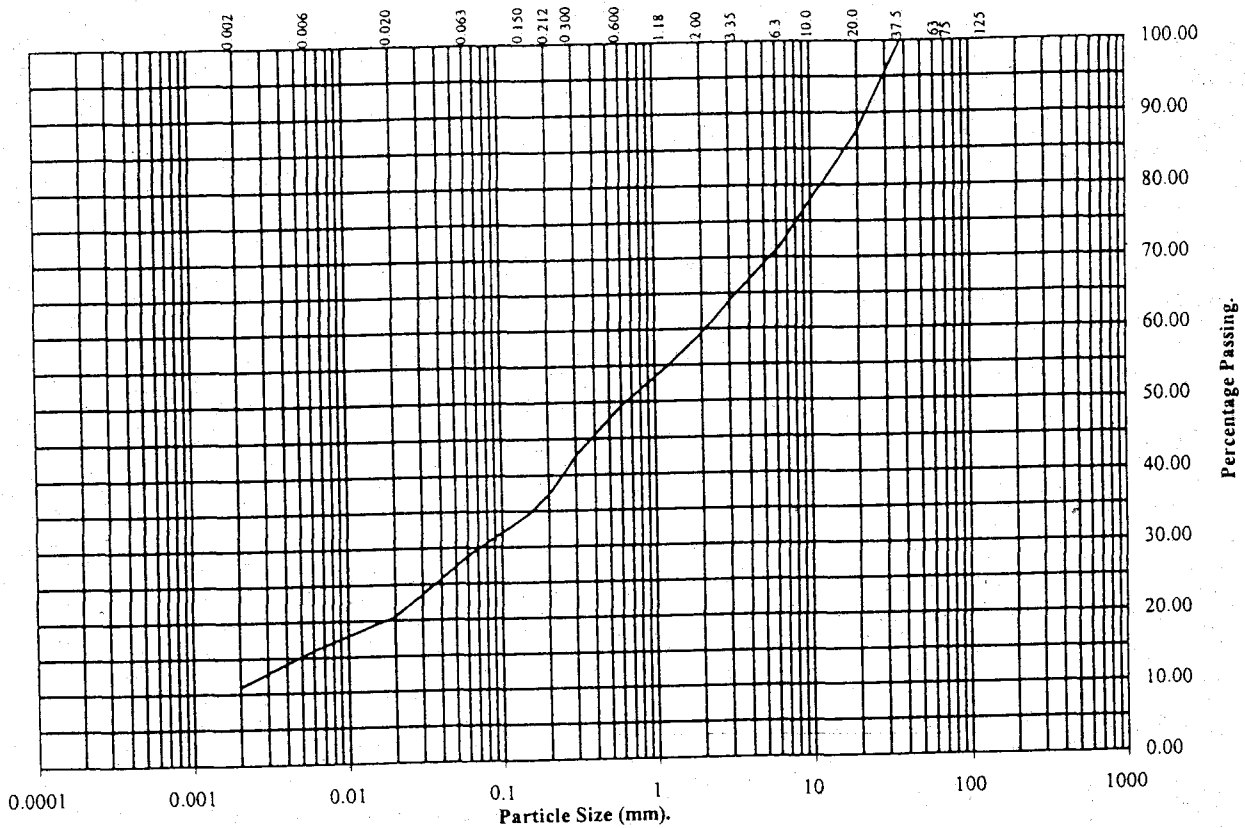
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Borehole/Sample Number: 2

Depth (m): 1.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	88
10	78
6.3	72
3.35	65
2	59
1.18	55
0.6	49
0.3	43
0.212	38
0.15	35
0.063	29

Particle Diameter	Percentage Passing
0.02	21
0.006	16
0.002	11

Soil Fraction	Total Percentage
Cobbles	0
Gravel	41
Sand	30
Silt	18
Clay	11

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K. L.</i>	25/9/01	<i>K. L.</i>	25/9/01



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Contract No.:
NL211004

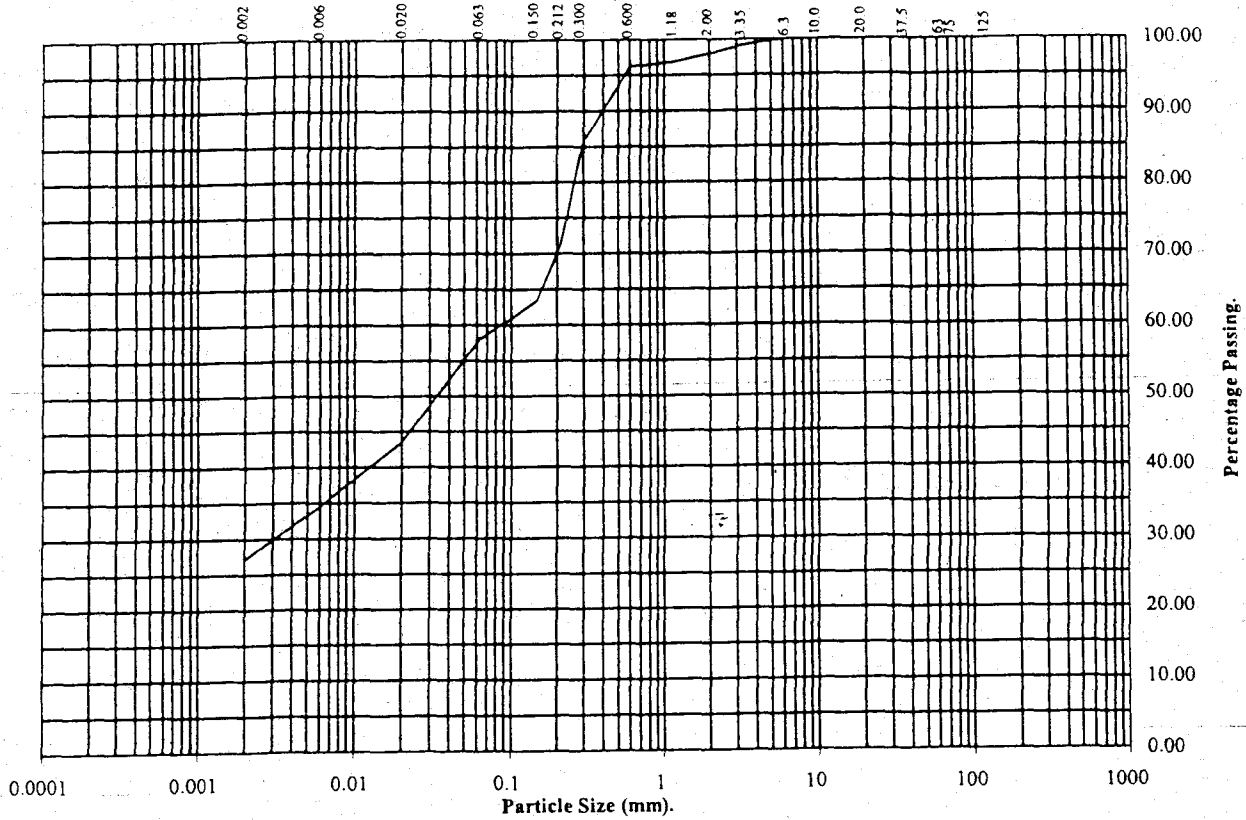
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 1A

Depth (m): 0.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	98
1.18	97
0.6	96
0.3	86
0.212	71
0.15	63
0.063	58

Particle Diameter	Percentage Passing
0.02	43
0.006	35
0.002	27

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	40
Silt	31
Clay	27

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R. Lee</i>	24/9/01	<i>R. Lee</i>	24/9/01



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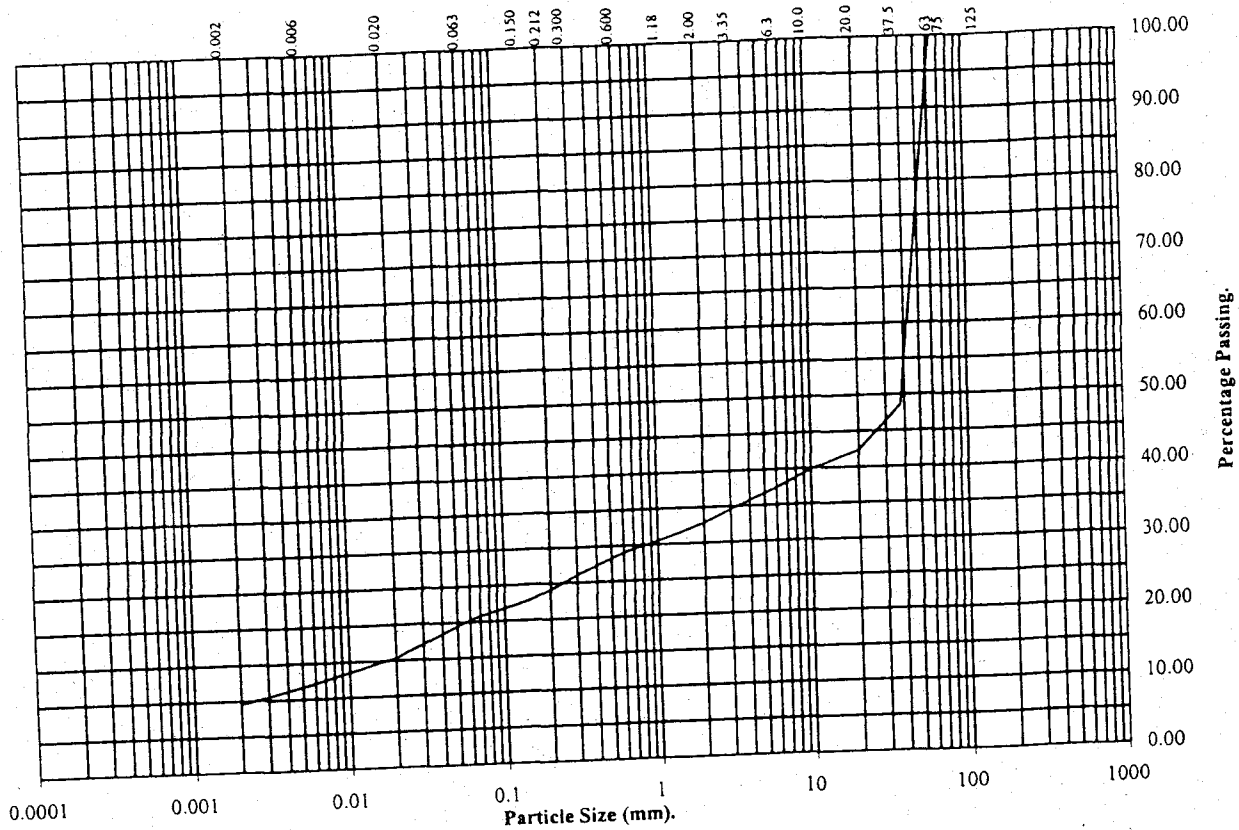
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 7

Depth (m): 0.70



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	49
20	42
10	40
6.3	38
3.35	35
2	33
1.18	31
0.6	29
0.3	26
0.212	24
0.15	23
0.063	20

Particle Diameter	Percentage Passing
0.02	15
0.006	12
0.002	10

Soil Fraction	Total Percentage
Cobbles	0
Gravel	67
Sand	13
Silt	10
Clay	10

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>KL</i>	24/9/01	<i>KL</i>	24/9/01



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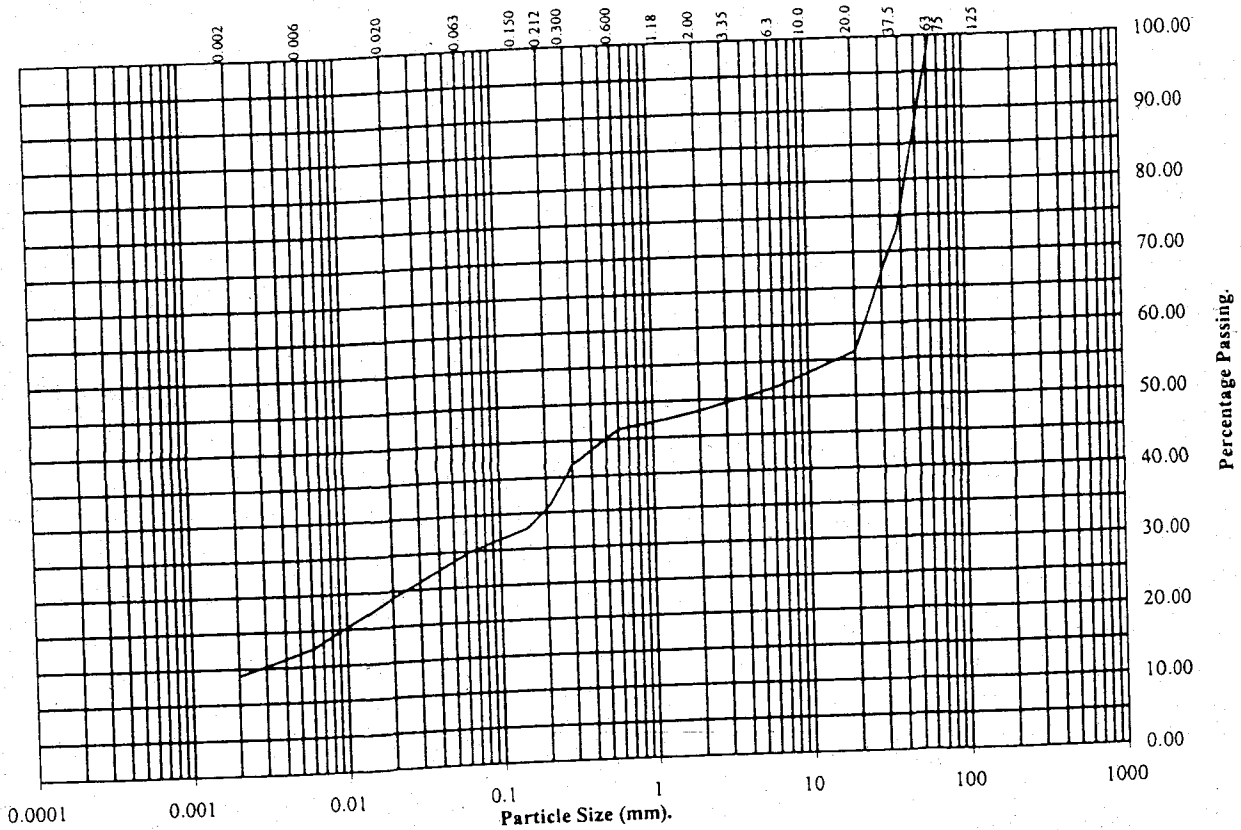
Contract No.:
NL211004

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.
Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 17

Depth (m): 0.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	73
20	56
10	53
6.3	52
3.35	50
2	49
1.18	47
0.6	46
0.3	42
0.212	36
0.15	33
0.063	30

Particle Diameter	Percentage Passing
0.02	24
0.006	18
0.002	14

Soil Fraction	Total Percentage
Cobbles	0
Gravel	51
Sand	19
Silt	16
Clay	14

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K. L.</i>	24/9/01	<i>K. L.</i>	24/9/01



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NL211004

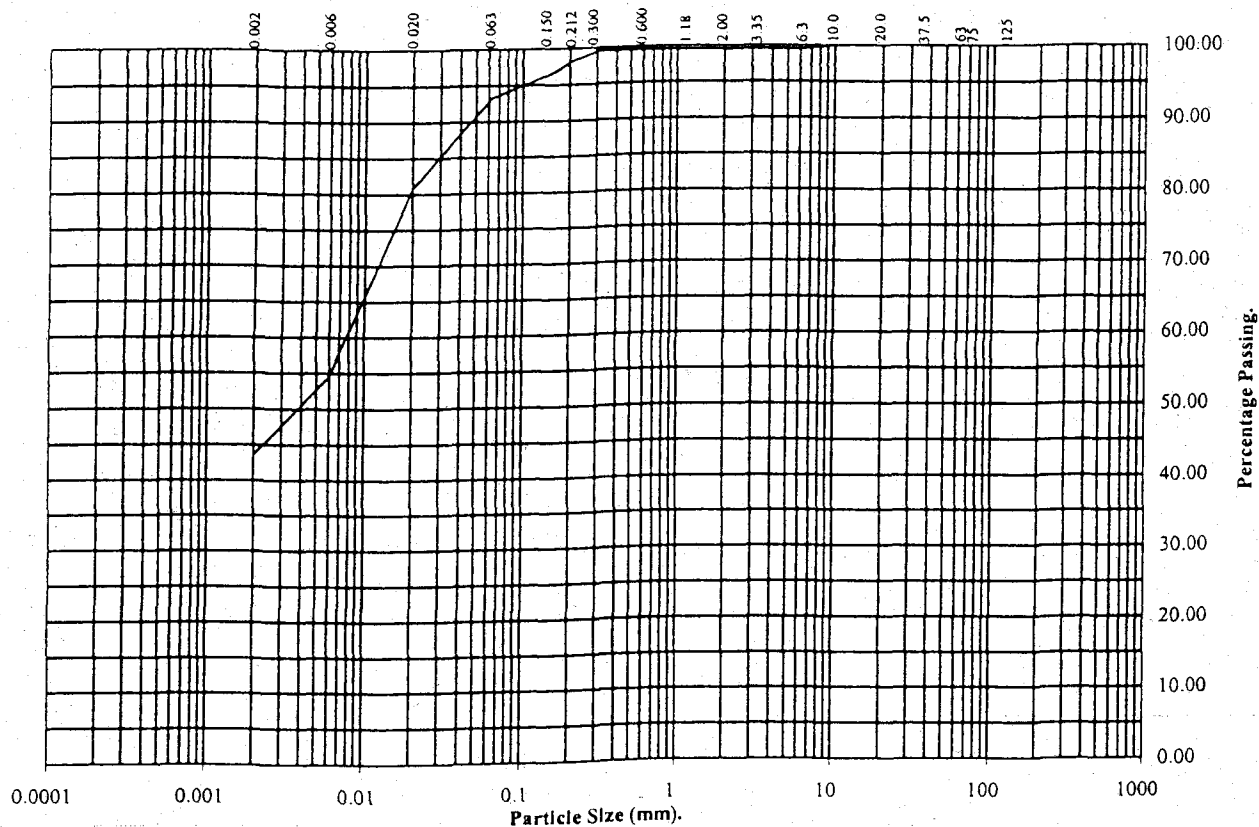
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 21

Depth (m): 0.25



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	99
3.35	99
2	99
1.18	99
0.6	99
0.3	99
0.212	98
0.15	96
0.063	93

Particle Diameter	Percentage Passing
0.02	81
0.006	55
0.002	44

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	6
Silt	49
Clay	44

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R. Cur</i>	24/9/01	<i>R. Cur</i>	24/9/01



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NL211004

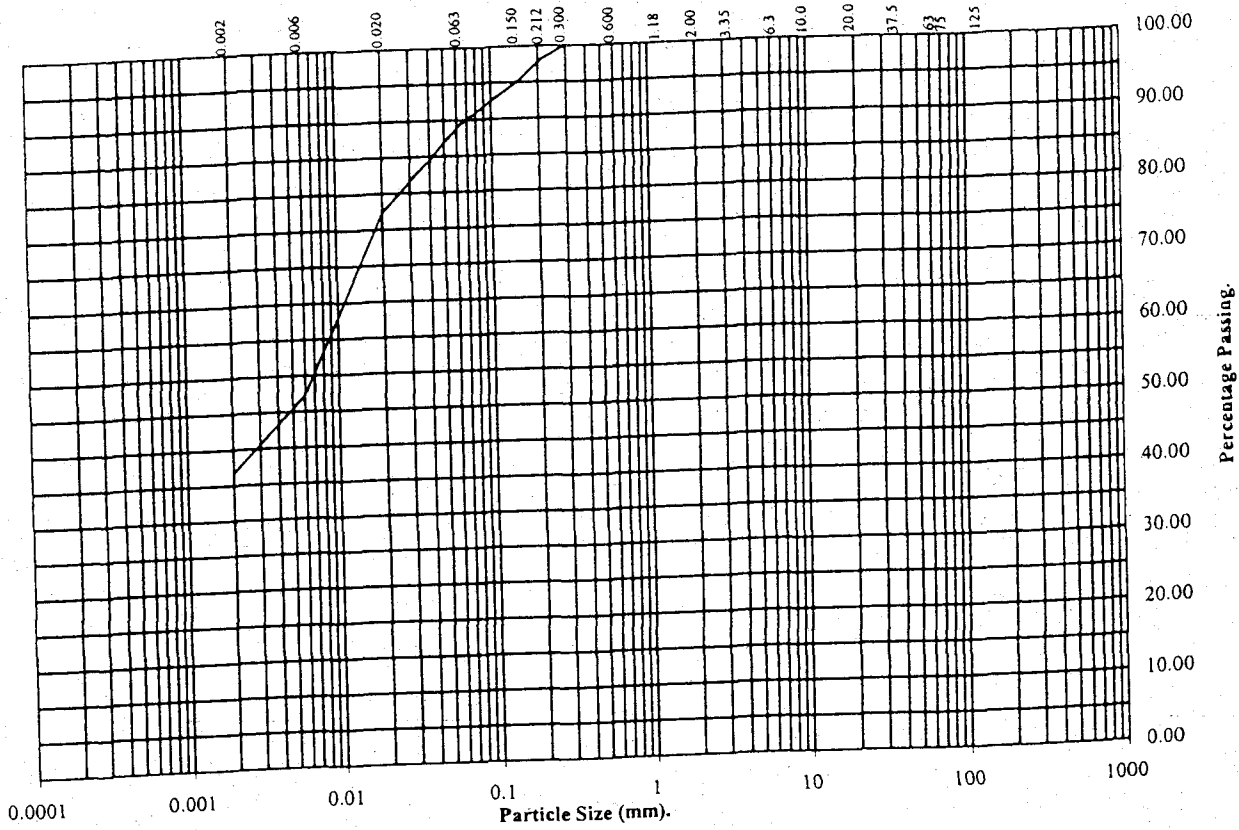
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 27

Depth (m): 0.30



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.6	100
0.3	100
0.212	98
0.15	95
0.063	89

Particle Diameter	Percentage Passing
0.02	77
0.006	52
0.002	42

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	11
Silt	47
Clay	42

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R.C.</i>	24/9/01	<i>R.C.</i>	24/9/01



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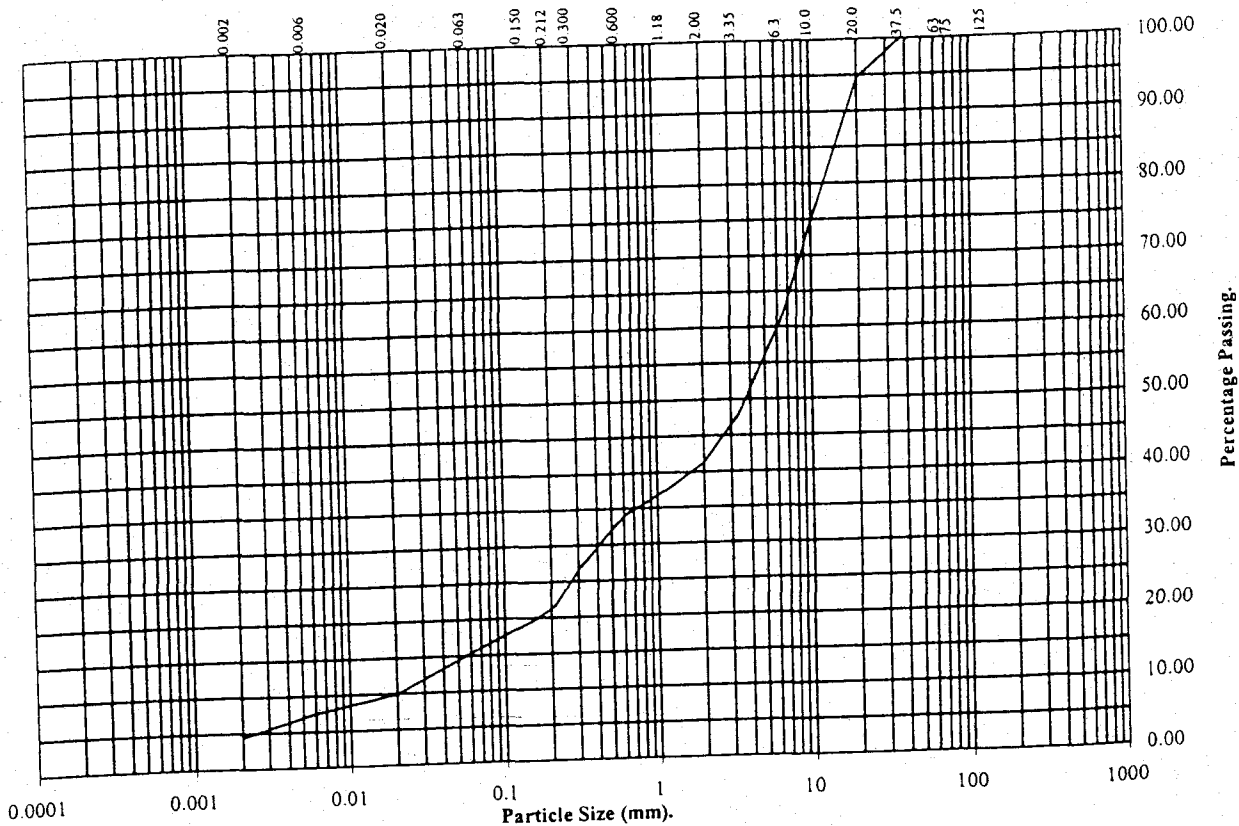
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 28

Depth (m): 0.33



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	95
10	75
6.3	61
3.35	48
2	41
1.18	38
0.6	34
0.3	27
0.212	22
0.15	19
0.063	16

Particle Diameter	Percentage Passing
0.02	10
0.006	8
0.002	4

Soil Fraction	Total Percentage
Cobbles	0
Gravel	59
Sand	25
Silt	12
Clay	4

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K Lu</i>	24/9/01	<i>K Lu</i>	24/9/01



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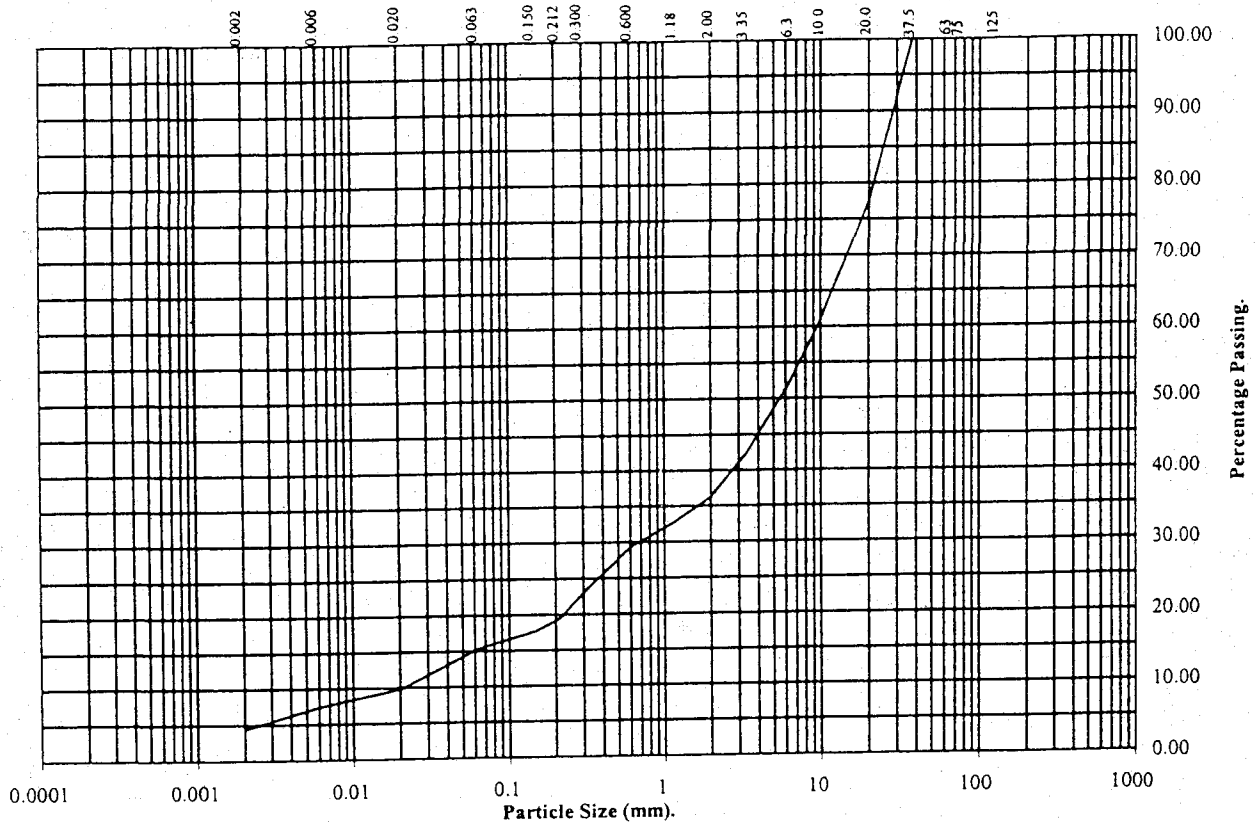
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2.9.4

Trial Pit /Sample Number: 29

Depth (m): 1.20



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	78
10	61
6.3	52
3.35	42
2	36
1.18	33
0.6	29
0.3	23
0.212	19
0.15	18
0.063	15

Particle Diameter	Percentage Passing
0.02	10
0.006	7
0.002	4

Soil Fraction	Total Percentage
Cobbles	0
Gravel	64
Sand	21
Silt	11
Clay	4

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K. C.</i>	24/9/01	<i>K. C.</i>	24/9/01



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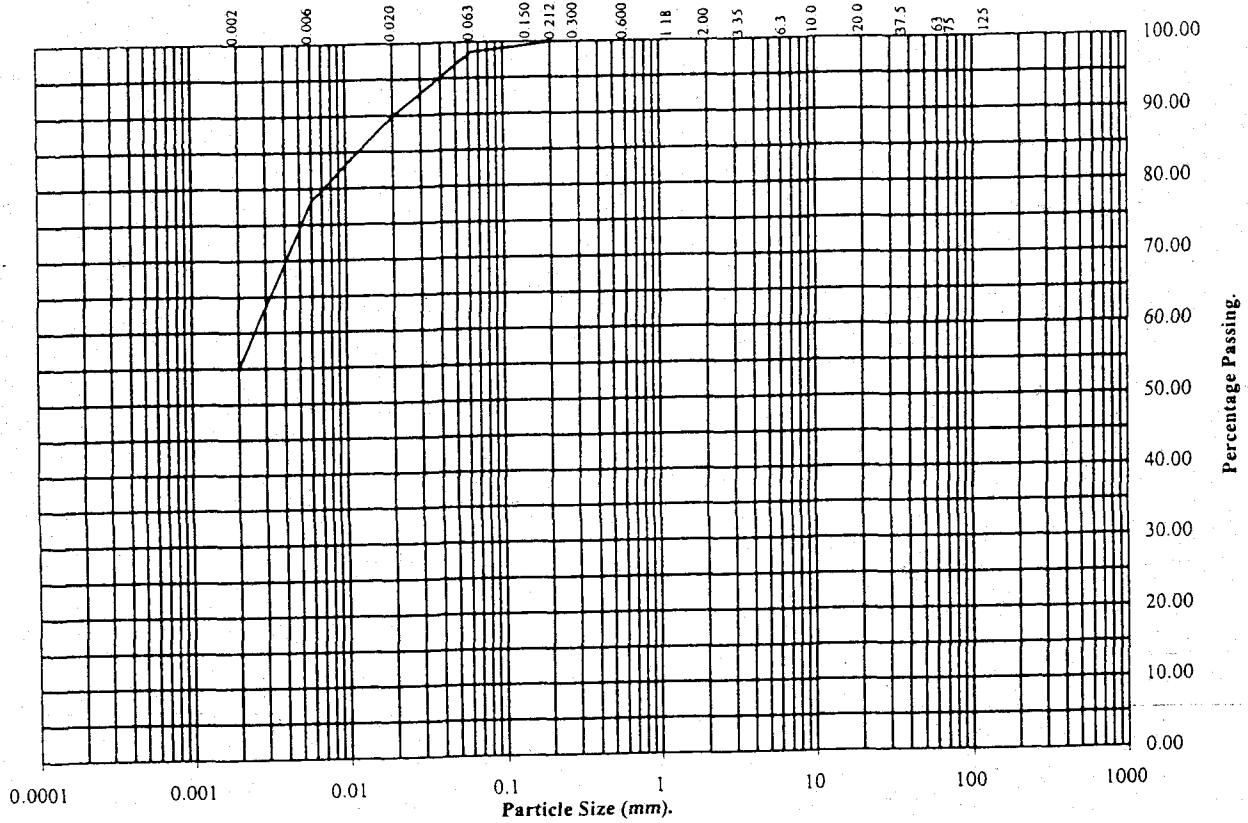
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 30

Depth (m): 1.80



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.6	100
0.3	100
0.212	100
0.15	99
0.063	99

Particle Diameter	Percentage Passing
0.02	90
0.006	78
0.002	55

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	44
Clay	55

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>[Signature]</i>	24/9/01	<i>[Signature]</i>	24/9/01



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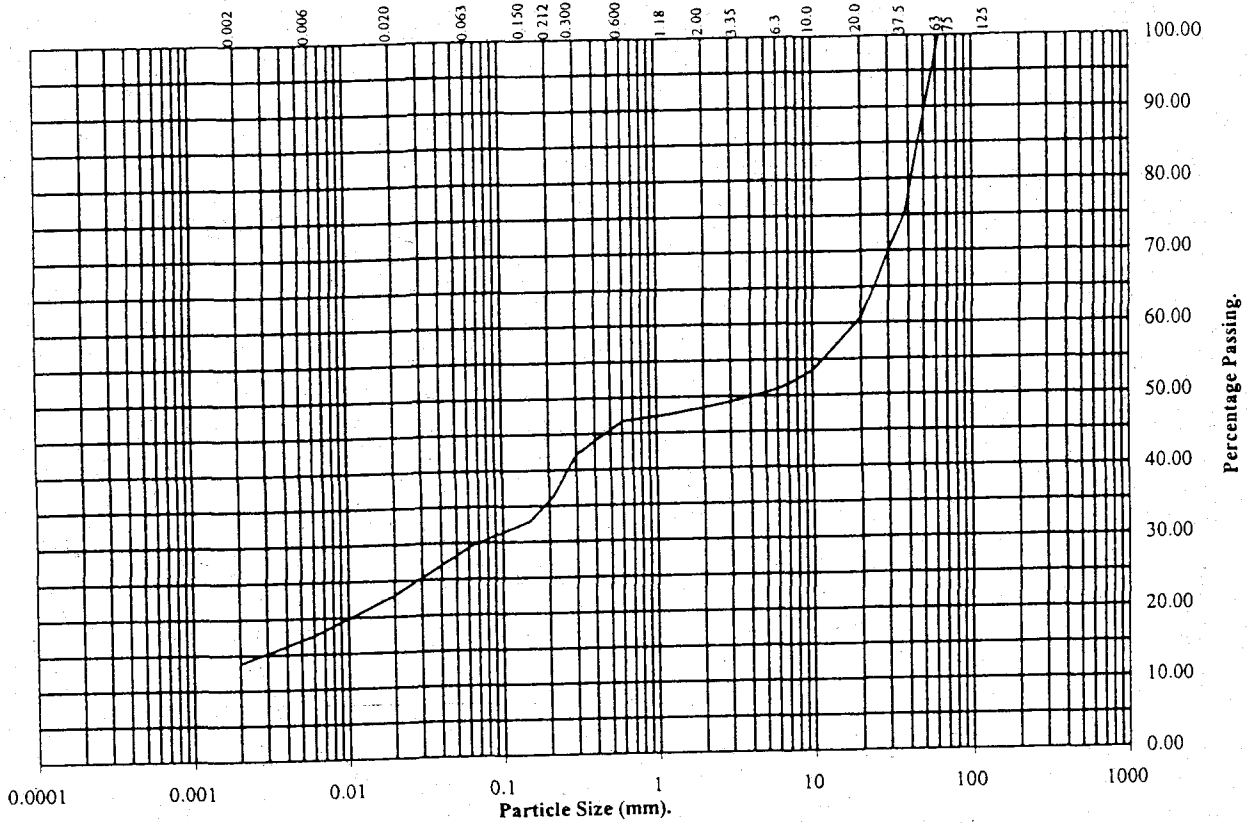
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2.9.4

Trial Pit /Sample Number: 35

Depth (m): 0.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	75
20	61
10	53
6.3	51
3.35	49
2	48
1.18	48
0.6	47
0.3	42
0.212	36
0.15	33
0.063	30

Particle Diameter	Percentage Passing
0.02	23
0.006	18
0.002	14

Soil Fraction	Total Percentage
Cobbles	0
Gravel	52
Sand	18
Silt	16
Clay	14

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K. Cur</i>	24/9/01	<i>K. Cur</i>	24/9/01



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Contract No.:
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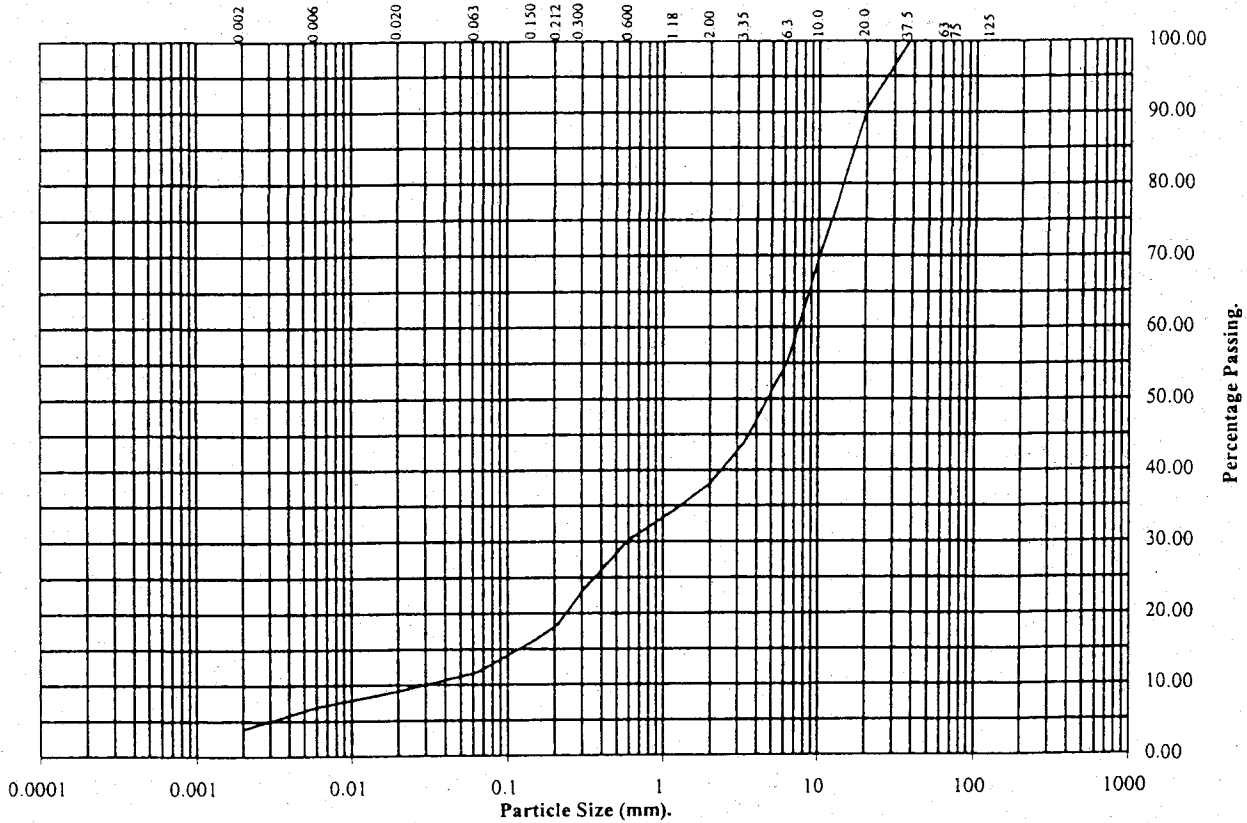
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2.9.4

Trial Pit /Sample Number: 39

Depth (m): 1.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	90
10	69
6.3	55
3.35	44
2	38
1.18	34
0.6	30
0.3	23
0.212	18
0.15	16
0.063	12

Particle Diameter	Percentage Passing
0.02	9
0.006	7
0.002	4

Soil Fraction	Total Percentage
Cobbles	0
Gravel	62
Sand	26
Silt	8
Clay	4

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R L</i>	24/9/01	<i>R L</i>	24/9/01



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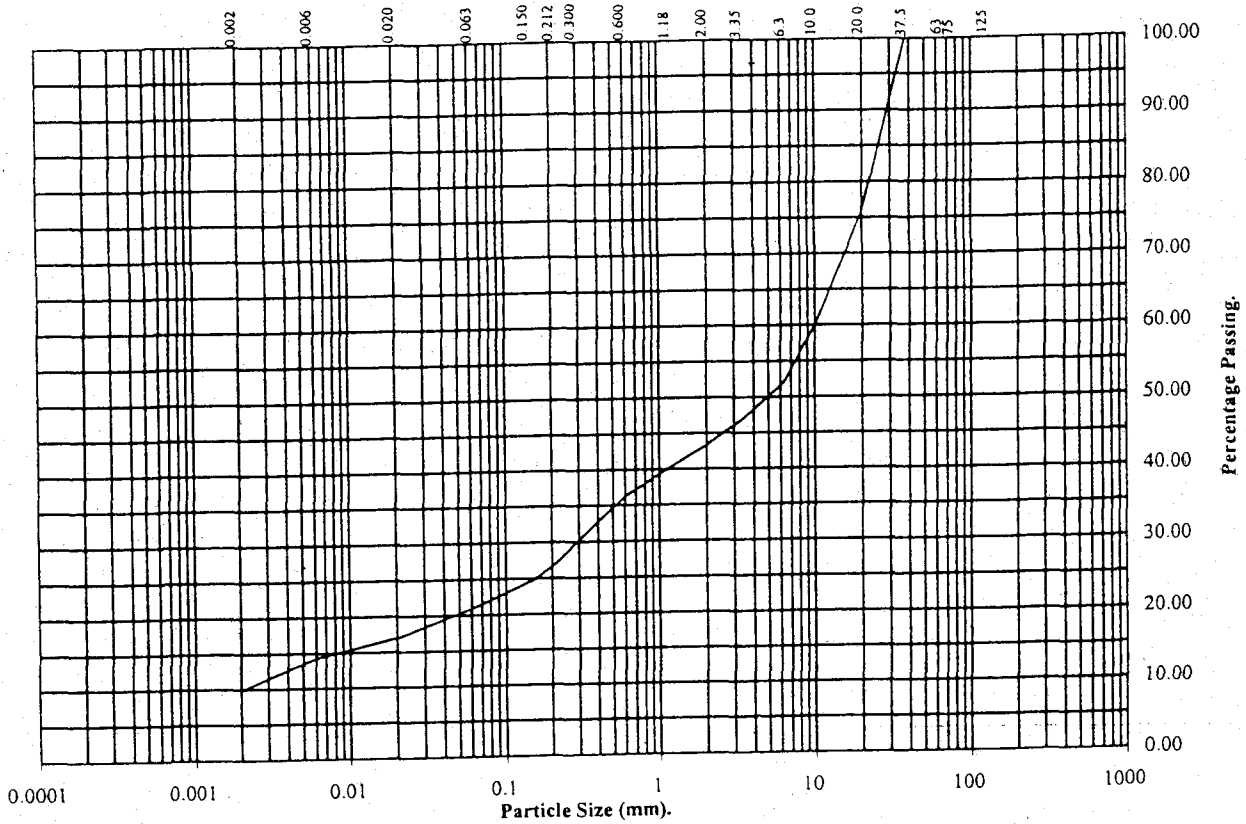
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 45

Depth (m): 0.70



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	76
10	60
6.3	52
3.35	47
2	43
1.18	40
0.6	36
0.3	30
0.212	27
0.15	25
0.063	21

Particle Diameter	Percentage Passing
0.02	17
0.006	14
0.002	10

Soil Fraction	Total Percentage
Cobbles	0
Gravel	57
Sand	22
Silt	11
Clay	10

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>Klu</i>	25/9/01	<i>Klu</i>	25/9/01



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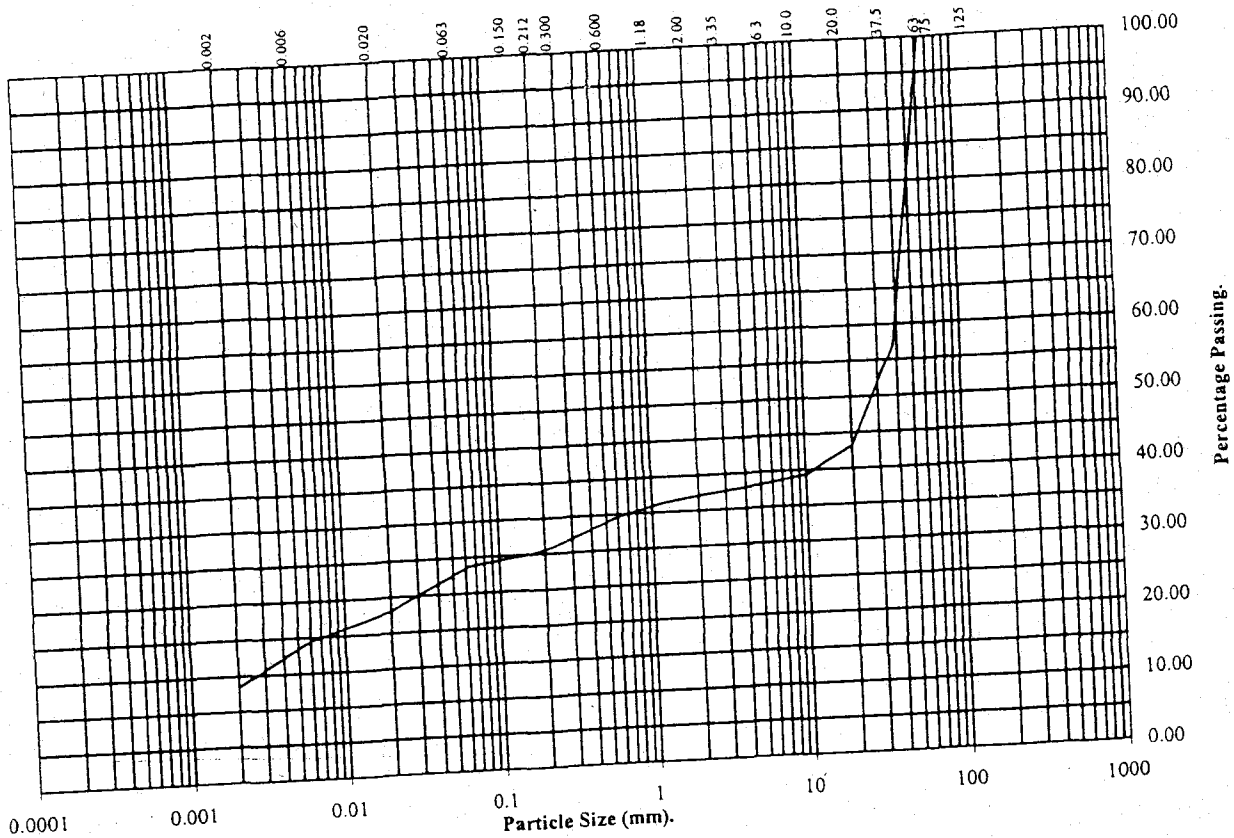
Contract No.:
NL211004

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.
Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit / Sample Number: 48

Depth (m): 1.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	57
20	43
10	39
6.3	39
3.35	38
2	37
1.18	36
0.6	35
0.3	32
0.212	31
0.15	30
0.063	29

Particle Diameter	Percentage Passing
0.02	23
0.006	19
0.002	13

Soil Fraction	Total Percentage
Cobbles	0
Gravel	63
Sand	8
Silt	16
Clay	13

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>K An</i>	25/9/01	<i>K An</i>	25/9/01



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Contract No.:
NL211004

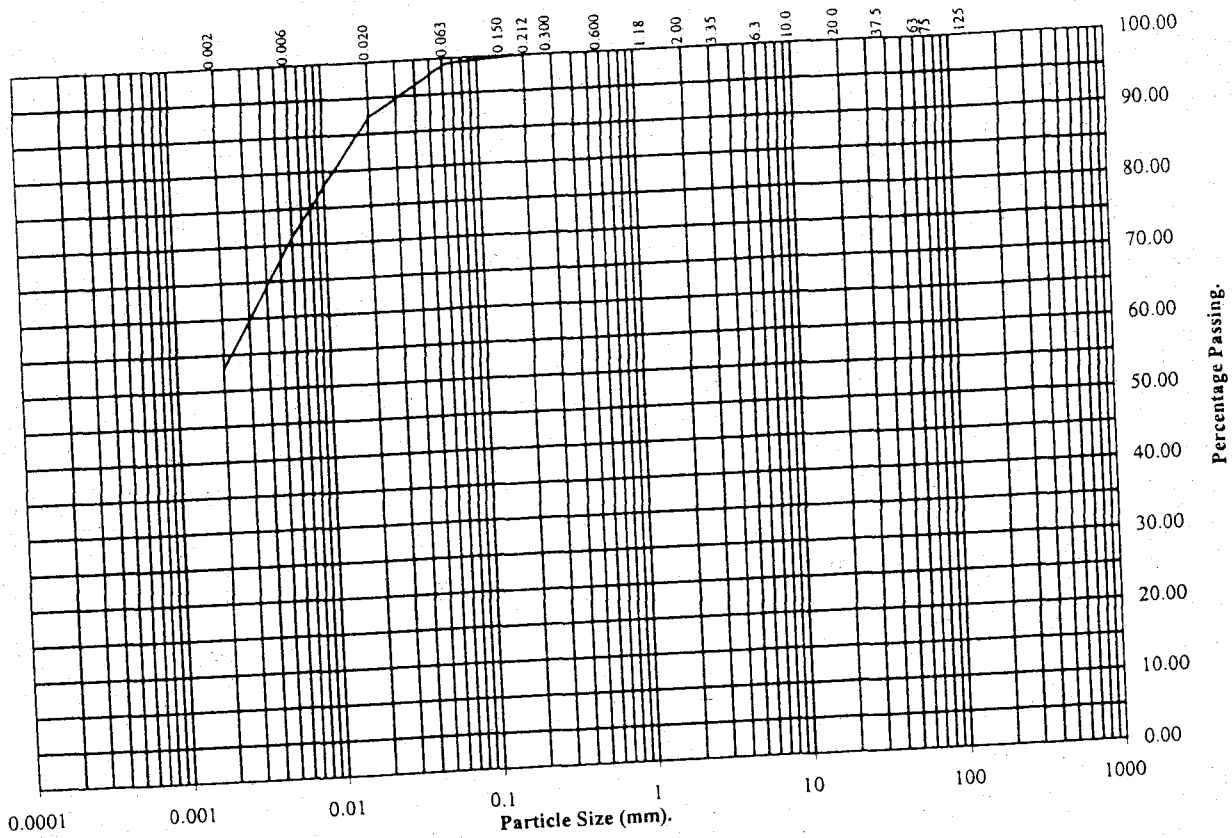
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 49

Depth (m): 0.57



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.6	100
0.3	100
0.212	100
0.15	100
0.063	99

Particle Diameter	Percentage Passing
0.02	92
0.006	76
0.002	58

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	41
Clay	58

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>[Signature]</i>	25/9/01	<i>[Signature]</i>	25/9/01



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Contract No.:
NL211004

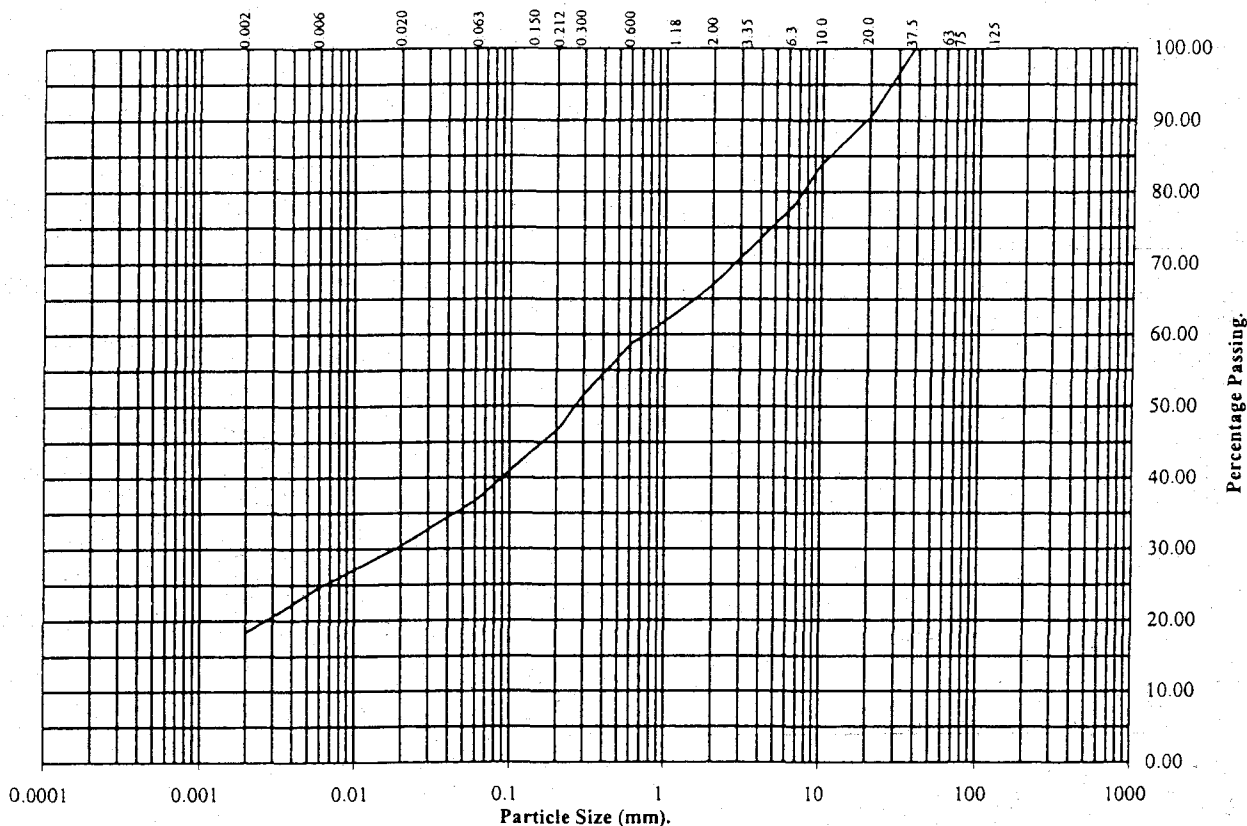
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 52

Depth (m): 1.40



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	90
10	84
6.3	78
3.35	72
2	67
1.18	63
0.6	59
0.3	52
0.212	47
0.15	44
0.063	37

Particle Diameter	Percentage Passing
0.02	30
0.006	25
0.002	18

Soil Fraction	Total Percentage
Cobbles	0
Gravel	33
Sand	30
Silt	19
Clay	18

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>RCA</i>	25/9/01	<i>RCA</i>	25/9/01



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Contract No.:
NL211004

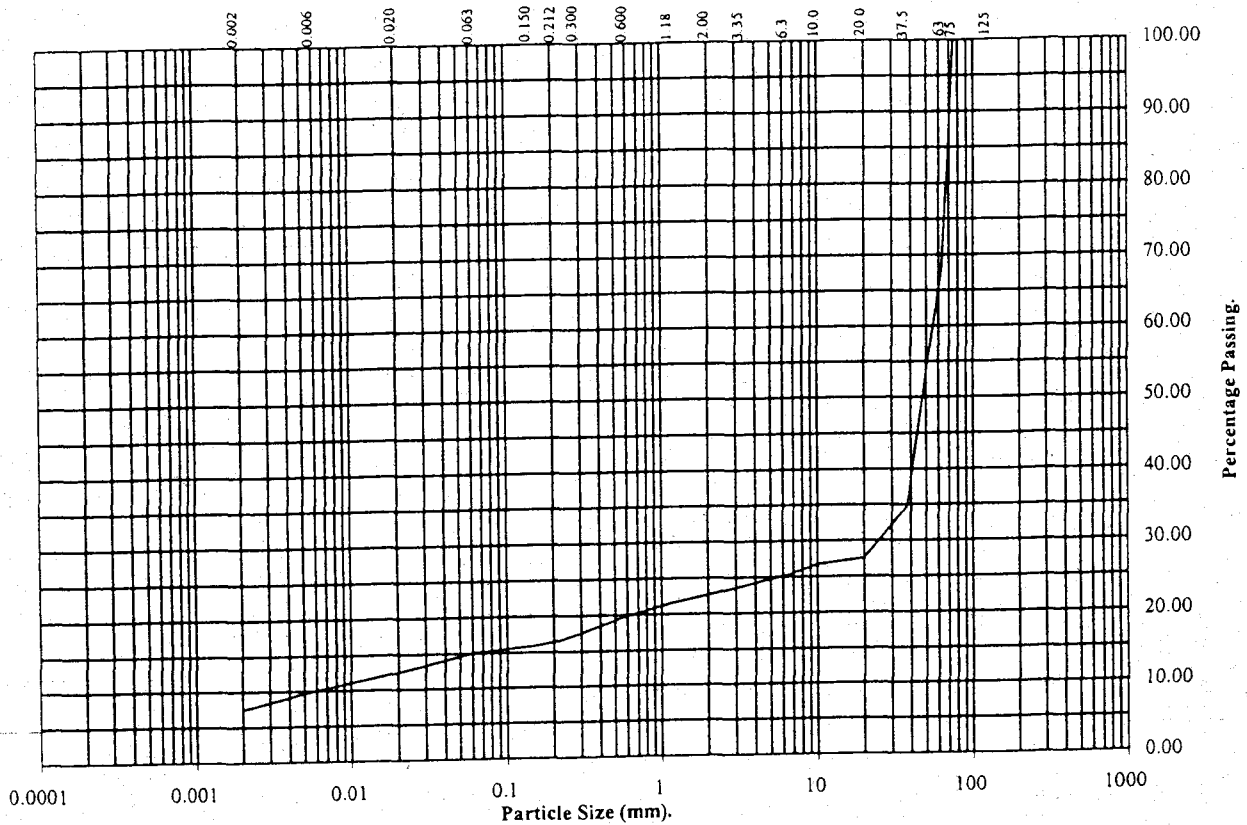
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 59A

Depth (m): 1.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	68
37.5	35
20	28
10	27
6.3	25
3.35	24
2	23
1.18	22
0.6	20
0.3	18
0.212	17
0.15	16
0.063	15

Particle Diameter	Percentage Passing
0.02	12
0.006	10
0.002	7

Soil Fraction	Total Percentage
Cobbles	32
Gravel	45
Sand	8
Silt	8
Clay	7

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R. Cur</i>	25/9/01	<i>R. Cur</i>	25/9/01



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Contract No.:
NL211004

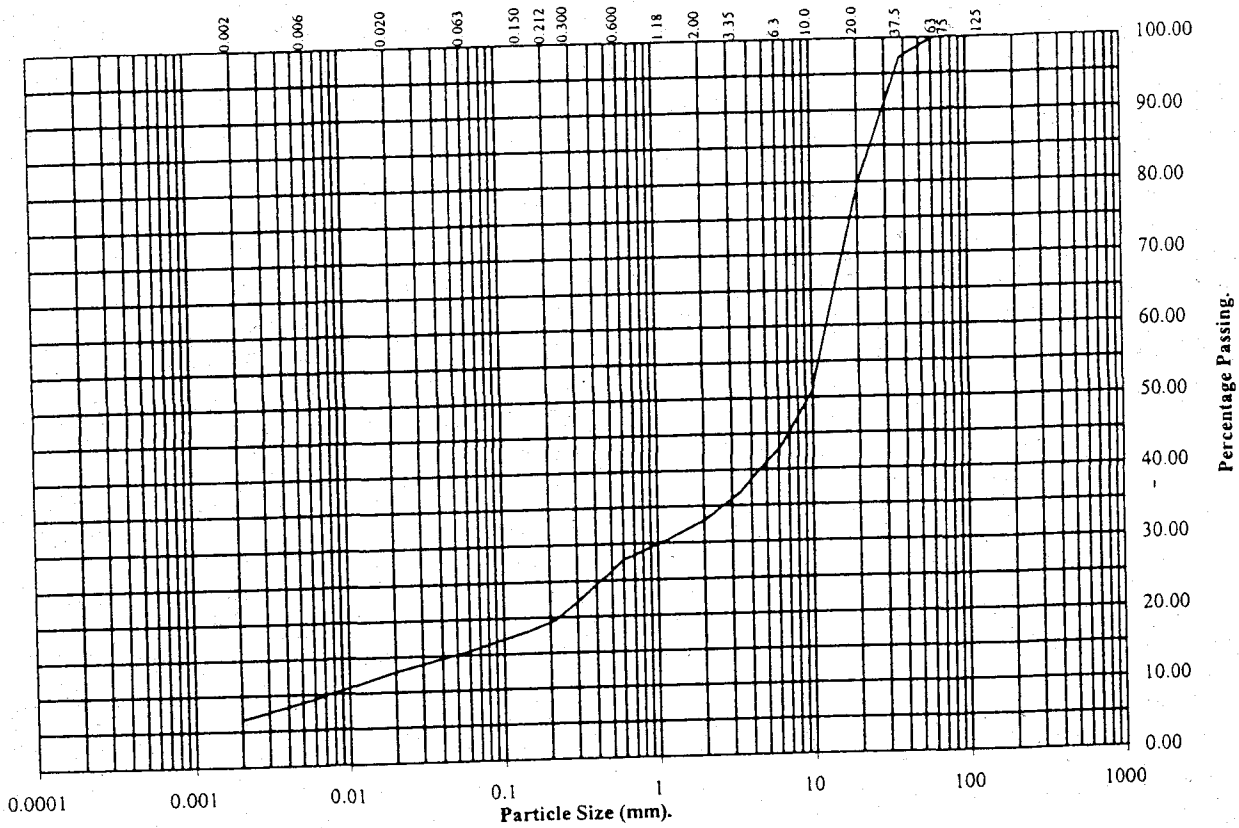
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 61

Depth (m): 0.50




BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	97
20	80
10	51
6.3	43
3.35	37
2	33
1.18	31
0.6	28
0.3	22
0.212	20
0.15	18
0.063	16

Particle Diameter	Percentage Passing
0.02	13
0.006	9
0.002	7

Soil Fraction	Total Percentage
Cobbles	0
Gravel	67
Sand	17
Silt	9
Clay	7

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R. C.</i>	25/9/01	<i>R. C.</i>	25/9/01

 THYSSEN GEOTECHNICAL	BICESTER	Contract No.: NL211004
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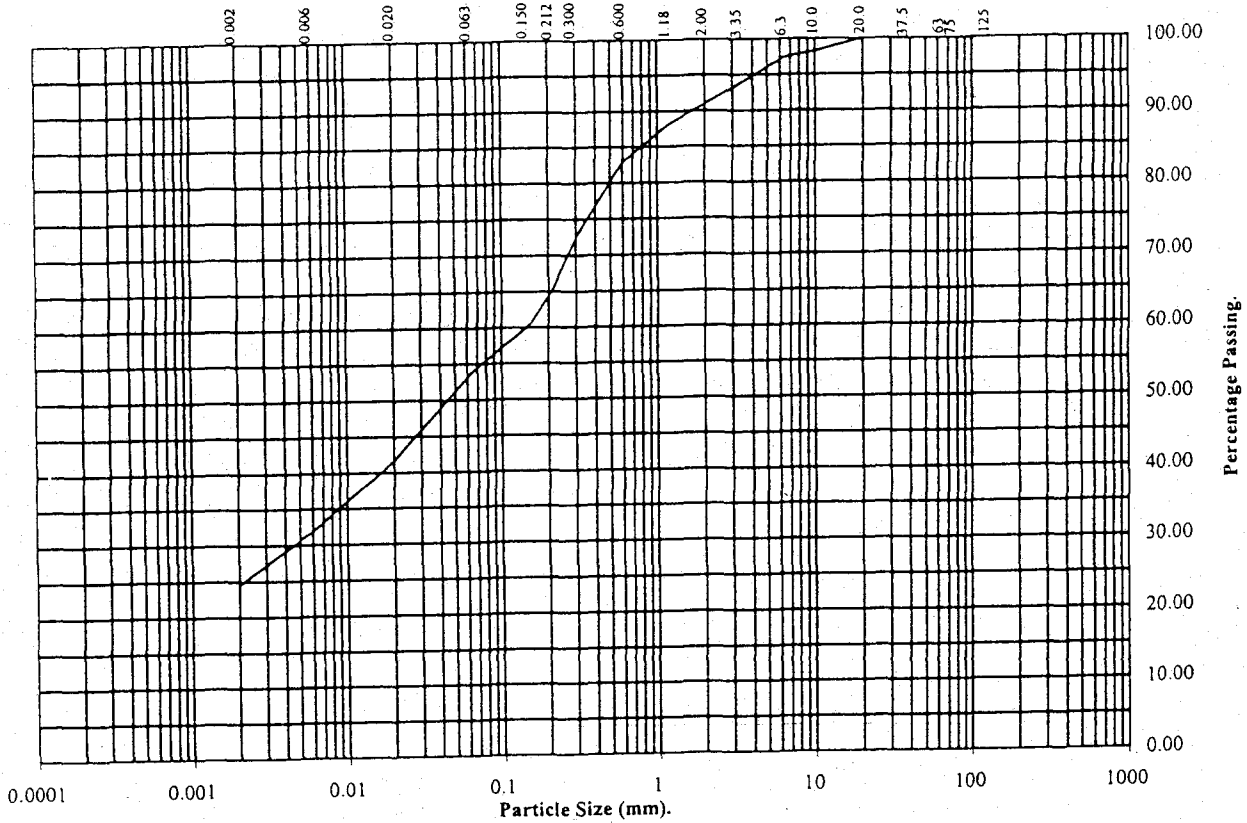
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 63A

Depth (m): 1.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	98
6.3	97
3.35	94
2	91
1.18	88
0.6	83
0.3	72
0.212	65
0.15	60
0.063	54

Particle Diameter	Percentage Passing
0.02	42
0.006	32
0.002	25

Soil Fraction	Total Percentage
Cobbles	0
Gravel	9
Sand	37
Silt	29
Clay	25

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>KC</i>	25/9/01	<i>KC</i>	25/9/01



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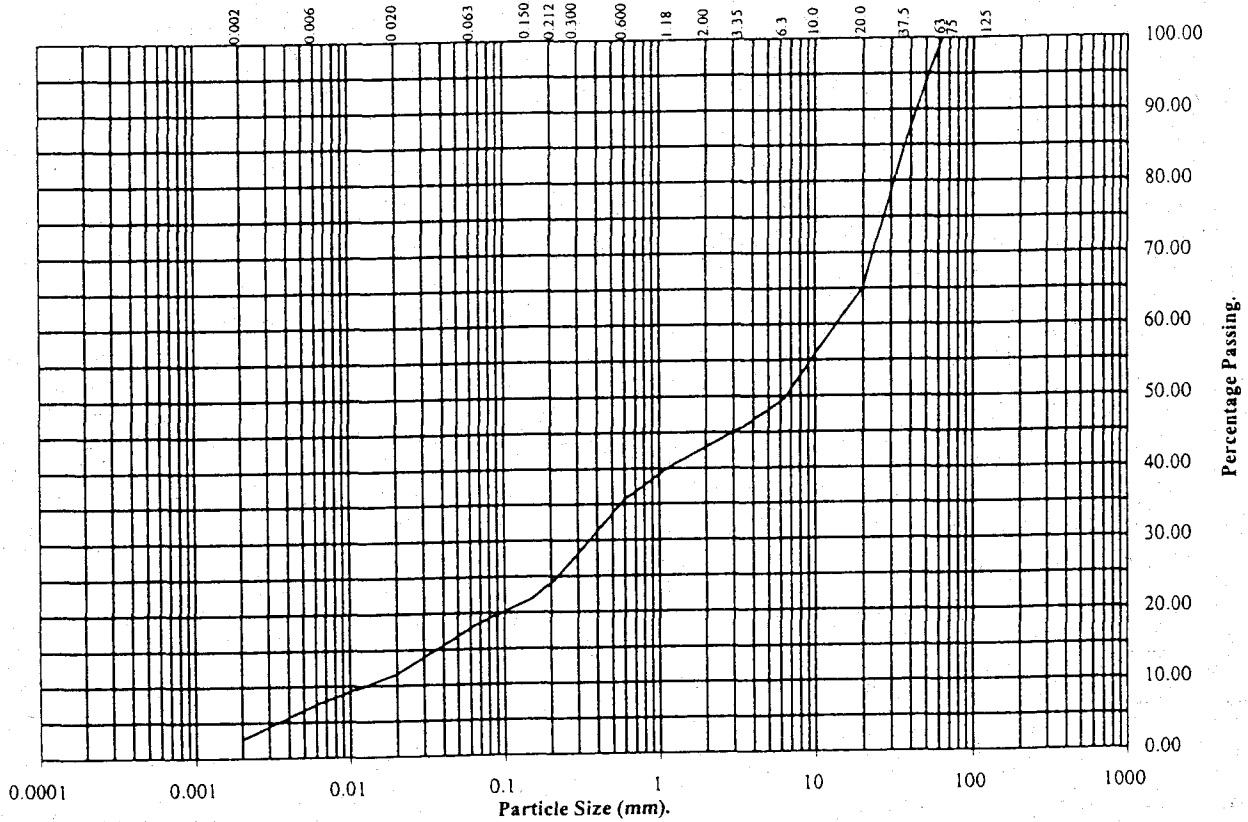
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 64

Depth (m): 0.60



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	86
20	65
10	56
6.3	50
3.35	46
2	43
1.18	40
0.6	36
0.3	28
0.212	24
0.15	22
0.063	18

Particle Diameter	Percentage Passing
0.02	12
0.006	7
0.002	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	57
Sand	25
Silt	15
Clay	3

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R. C.</i>	25/9/01	<i>R. C.</i>	25/9/01



**THYSSEN
GEOTECHNICAL**

BICESTER

Contract No.:
NL211004

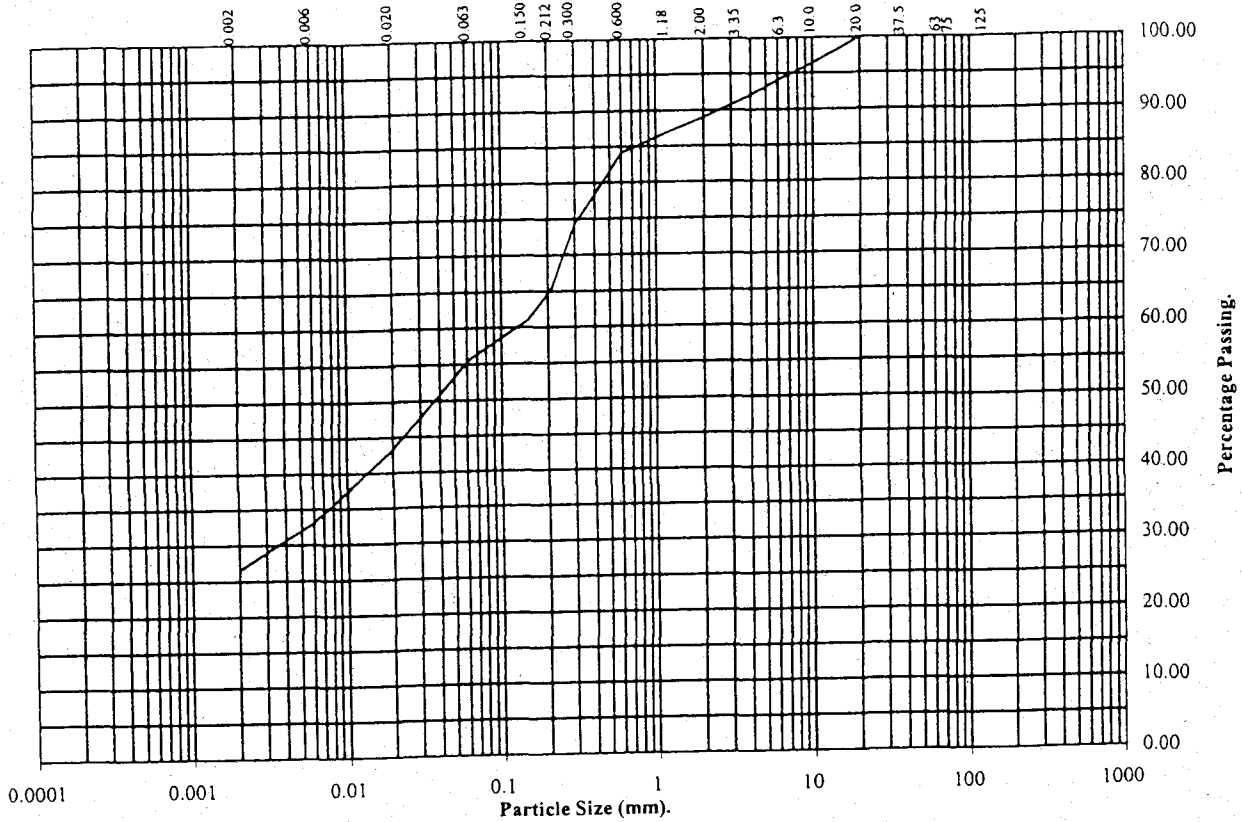
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2.9.4

Trial Pit /Sample Number: 66

Depth (m): 0.30



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	96
6.3	94
3.35	91
2	89
1.18	87
0.6	84
0.3	74
0.212	65
0.15	61
0.063	56

Particle Diameter	Percentage Passing
0.02	43
0.006	33
0.002	27

Soil Fraction	Total Percentage
Cobbles	0
Gravel	11
Sand	33
Silt	29
Clay	27

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>R Cu</i>	25/9/01	<i>R Cu</i>	25/9/01



**THYSSEN
GEOTECHNICAL**

BICESTER

Contract No.:
NL211004

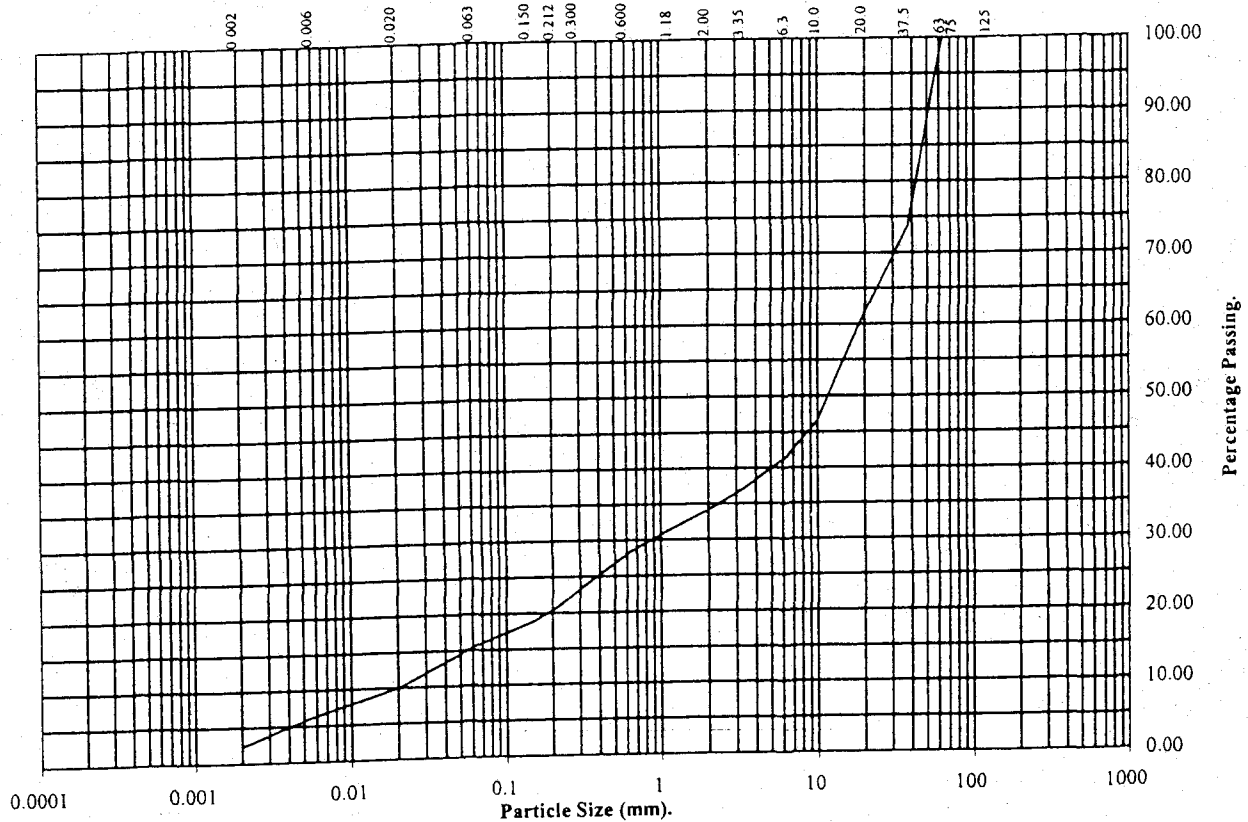
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 72

Depth (m): 0.30



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	74
20	62
10	47
6.3	41
3.35	37
2	34
1.18	32
0.6	28
0.3	23
0.212	21
0.15	19
0.063	16

Particle Diameter	Percentage Passing
0.02	10
0.006	6
0.002	2

Soil Fraction	Total Percentage
Cobbles	0
Gravel	66
Sand	18
Silt	14
Clay	2

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>[Signature]</i>	25/9/01	<i>[Signature]</i>	25/9/01



BICESTER

Contract No.:
NL211004

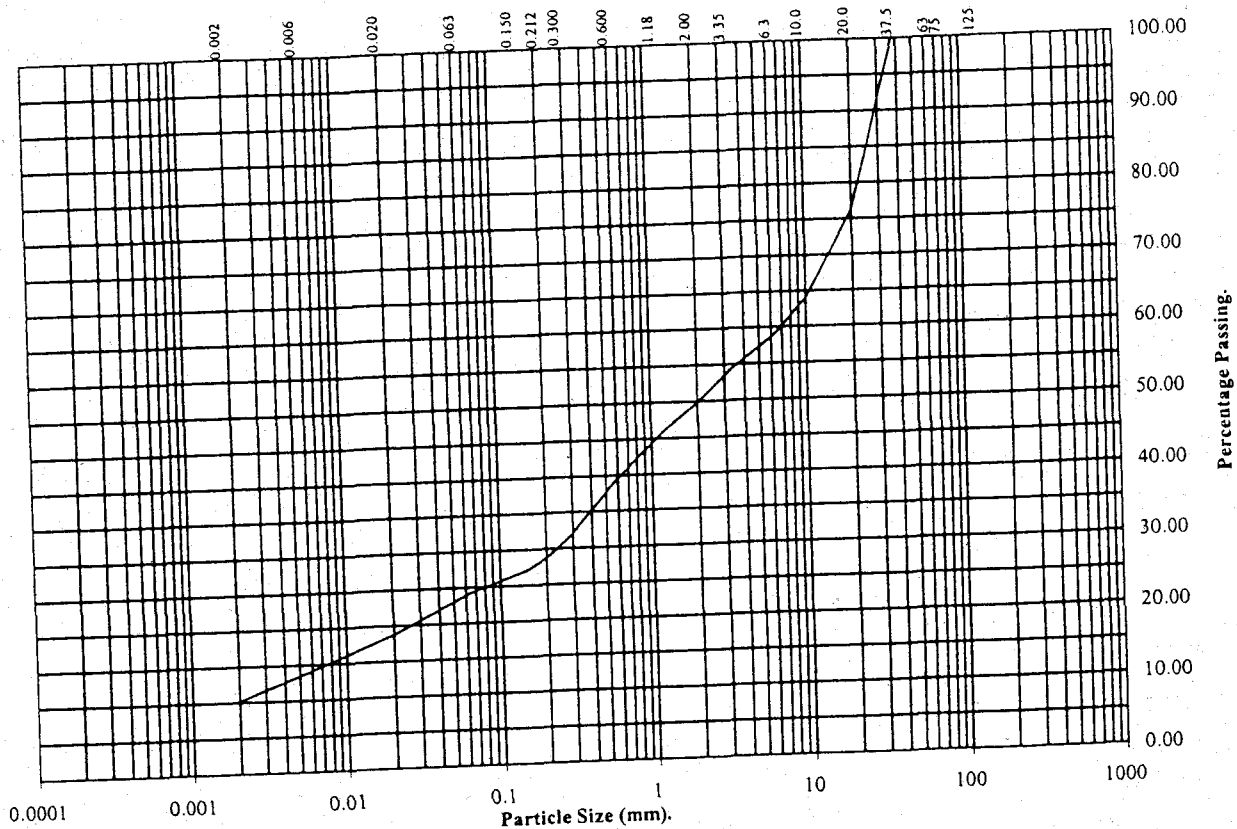
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 72

Depth (m): 0.60




BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	76
10	64
6.3	59
3.35	54
2	50
1.18	46
0.6	40
0.3	32
0.212	29
0.15	27
0.063	24

Particle Diameter	Percentage Passing
0.02	19
0.006	14
0.002	10

Soil Fraction	Total Percentage
Cobbles	0
Gravel	50
Sand	26
Silt	14
Clay	10

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>KL</i>	25/9/01	<i>KL</i>	25/9/01

 THYSSEN GEOTECHNICAL	BICESTER	Contract No.: NL211004
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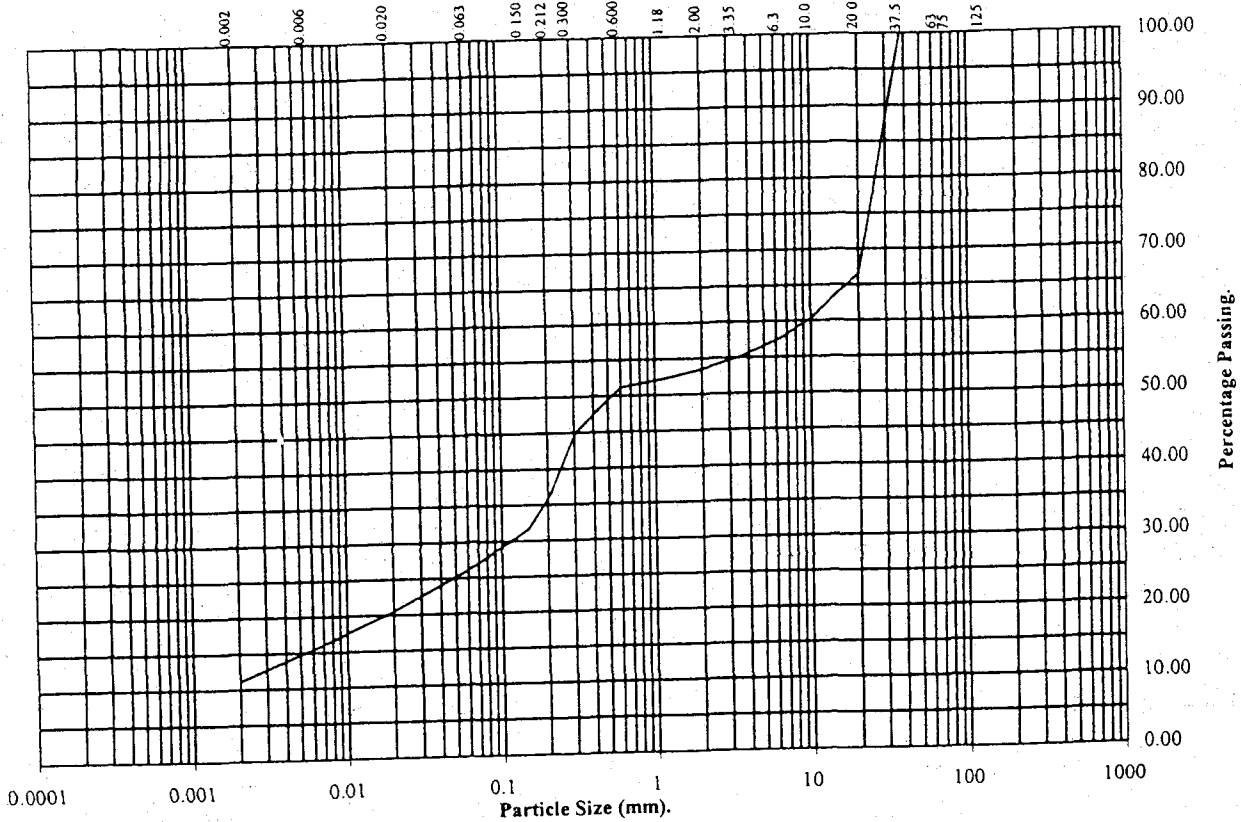
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 79

Depth (m): 0.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	66
10	60
6.3	58
3.35	55
2	53
1.18	52
0.6	51
0.3	45
0.212	37
0.15	32
0.063	26

Particle Diameter	Percentage Passing
0.02	20
0.006	15
0.002	11

Soil Fraction	Total Percentage
Cobbles	0
Gravel	47
Sand	27
Silt	15
Clay	11

Remarks:

See summary of soil descriptions.

Checked By	Date	Approved By	Date
<i>[Signature]</i>	25/9/01	<i>[Signature]</i>	25/9/01



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Contract No.:
NL211004