

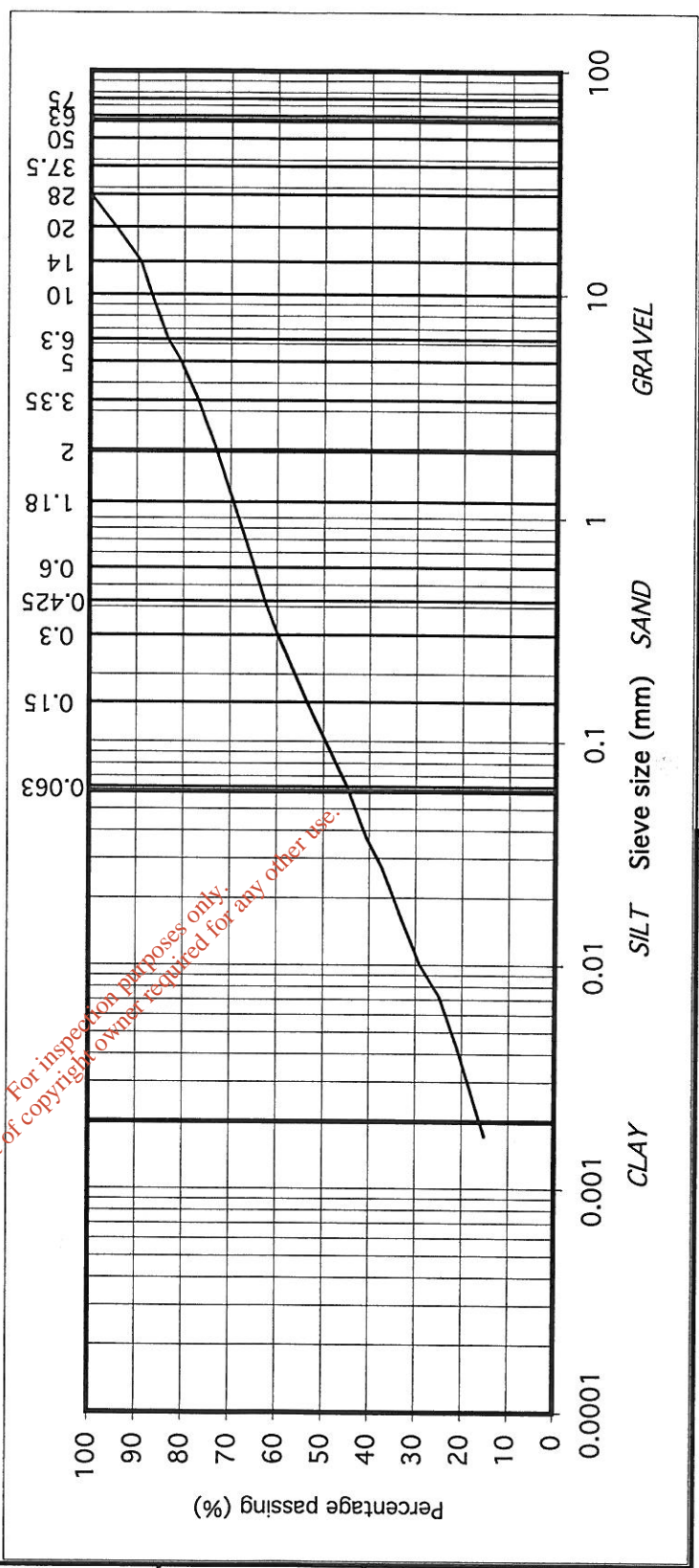
# TEST REPORT

## Determination of Particle Size Distribution

Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



|               |  |                      |            |
|---------------|--|----------------------|------------|
| Contract No:  | 15466  | Report No.           | R44994     |
| Contract:     | Drehid Landfill Site                               |                      |            |
| BH:           | BH1  |                      |            |
| Sample No.    | 4809   | Lab. Sample No.      | A11/2120   |
| Sample Type:  | B  |                      |            |
| Depth (m):    | 1.50   | Customer:            | Tobins     |
| Date Received | 26/10/2011   | Date Testing started | 28/10/2011 |
| Description:  | Brown slightly sandy, slightly gravelly, SILT/CLAY |                      |            |
| Remarks       |  |                      |            |



| particle size | % passing | Classification |
|---------------|-----------|----------------|
| 75            | 100       | COBBLES        |
| 63            | 100       |                |
| 50            | 100       |                |
| 37.5          | 100       |                |
| 28            | 100       |                |
| 20            | 95        |                |
| 14            | 89        |                |
| 10            | 87        | GRAVEL         |
| 6.3           | 83        |                |
| 5             | 81        |                |
| 3.35          | 77        |                |
| 2             | 73        |                |
| 1.18          | 69        |                |
| 0.6           | 65        |                |
| 0.425         | 63        | SAND           |
| 0.3           | 60        |                |
| 0.15          | 54        |                |
| 0.063         | 45        |                |
| 0.038         | 41        |                |
| 0.027         | 37        |                |
| 0.017         | 34        |                |
| 0.010         | 29        | SILT/CLAY      |
| 0.007         | 25        |                |
| 0.004         | 21        |                |
| 0.002         | 15        |                |

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|              |           |       |          |          |        |
|--------------|-----------|-------|----------|----------|--------|
| Approved by: | J Barrett | Date: | 15/11/11 | Page no: | 1 of 1 |
|--------------|-----------|-------|----------|----------|--------|

Persons authorized to approve reports: J Barrett (Quality Manager) H Byrne (Laboratory Manager)

# TEST REPORT

## Determination of Particle Size Distribution

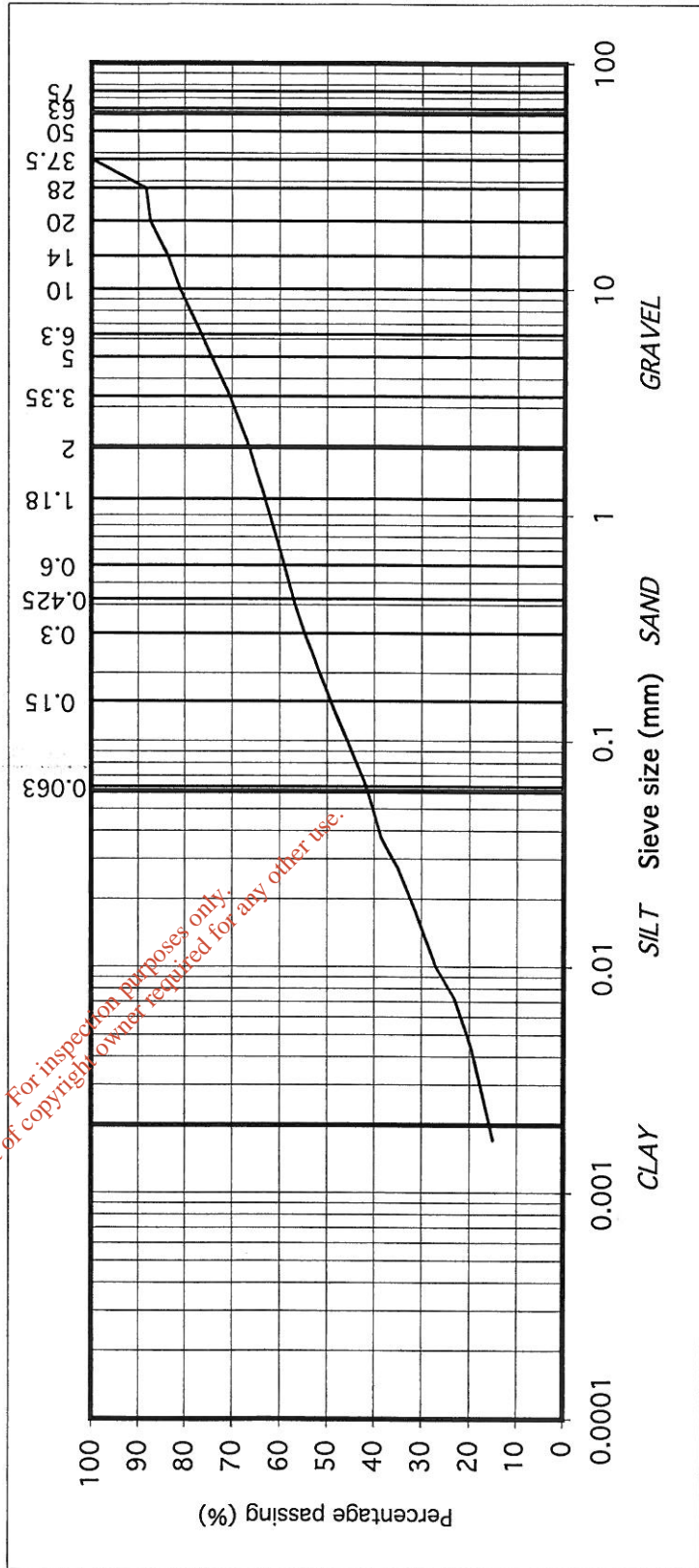
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44984  
 Contract: Drehid Landfill Site  
 BH: BH1  
 Sample No. 4813 Lab. Sample No. A11/2122  
 Sample Type: B  
 Depth (m): 5.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly sandy, slightly gravelly, SILT/CLAY

Remarks

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 100       |
| 28            | 88        |
| 20            | 87        |
| 14            | 84        |
| 10            | 81        |
| 6.3           | 77        |
| 5             | 74        |
| 3.35          | 70        |
| 2             | 66        |
| 1.18          | 63        |
| 0.6           | 59        |
| 0.425         | 57        |
| 0.3           | 55        |
| 0.15          | 49        |
| 0.063         | 42        |
| 0.037         | 39        |
| 0.027         | 35        |
| 0.017         | 31        |
| 0.010         | 27        |
| 0.007         | 23        |
| 0.004         | 19        |
| 0.002         | 15        |



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TEST REPORT

Determination of Particle Size Distribution

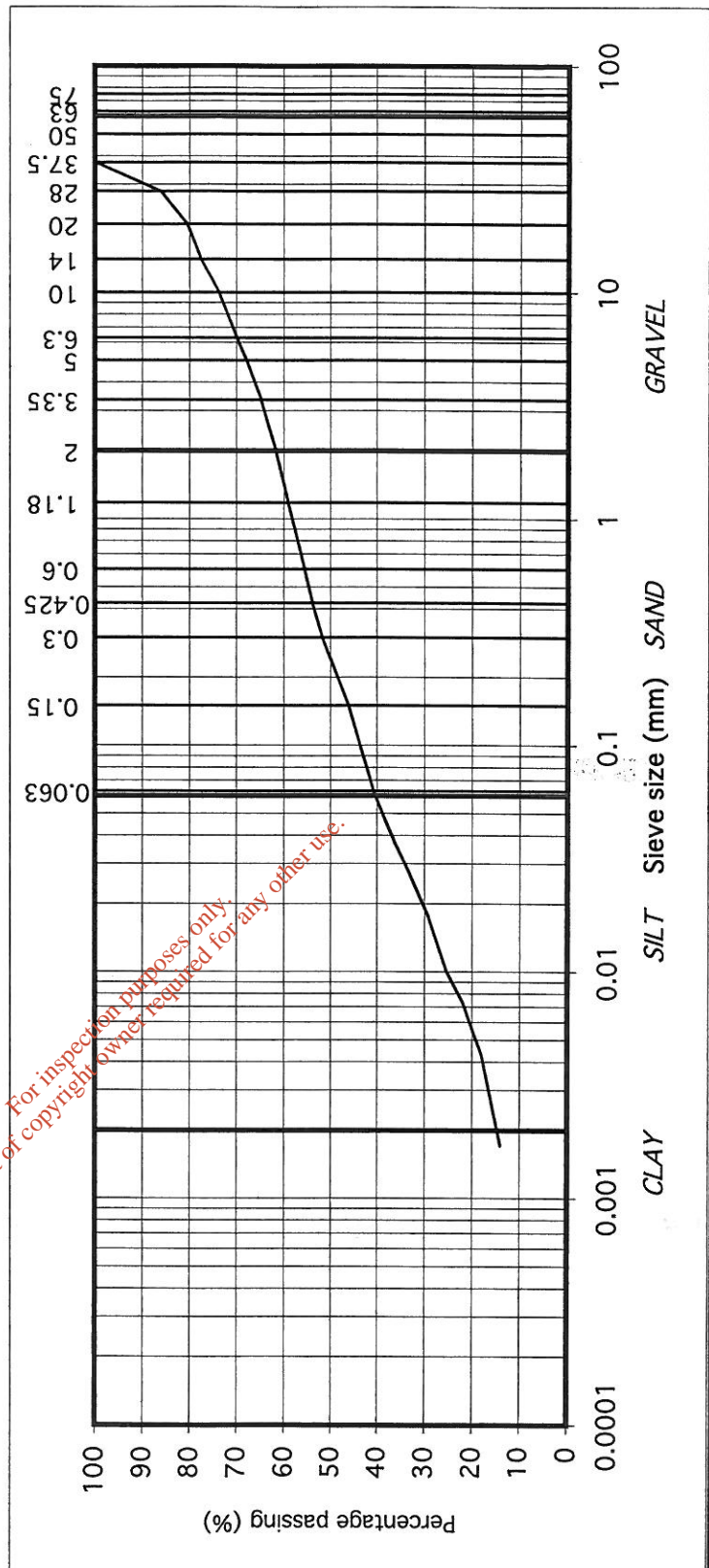
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44995  
 Contract: Drehid Landfill Site  
 BH: BH2  
 Sample No. 4834 Lab. Sample No. A11/2123  
 Sample Type: B  
 Depth (m): 2.00 Customer: Tobins  
 Date Received 26/10/2011 Date Testing started 28/10/2011  
 Description: Grey slightly sandy, gravelly, CLAY

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 100       |
| 28            | 86        |
| 20            | 80        |
| 14            | 78        |
| 10            | 74        |
| 6.3           | 70        |
| 5             | 68        |
| 3.35          | 65        |
| 2             | 62        |
| 1.18          | 59        |
| 0.6           | 56        |
| 0.425         | 54        |
| 0.3           | 52        |
| 0.15          | 46        |
| 0.063         | 41        |
| 0.038         | 36        |
| 0.027         | 33        |
| 0.017         | 29        |
| 0.010         | 26        |
| 0.007         | 22        |
| 0.004         | 18        |
| 0.002         | 14        |

Remarks



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TEST REPORT

Determination of Particle Size Distribution

Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44996  
 Contract: Drehid Landfill Site  
 BH: BH2  
 Sample No. 4839 Lab. Sample No. A11/2126  
 Sample Type: B  
 Depth (m): 7.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly sandy, slightly gravelly, SILT/CLAY

Remarks

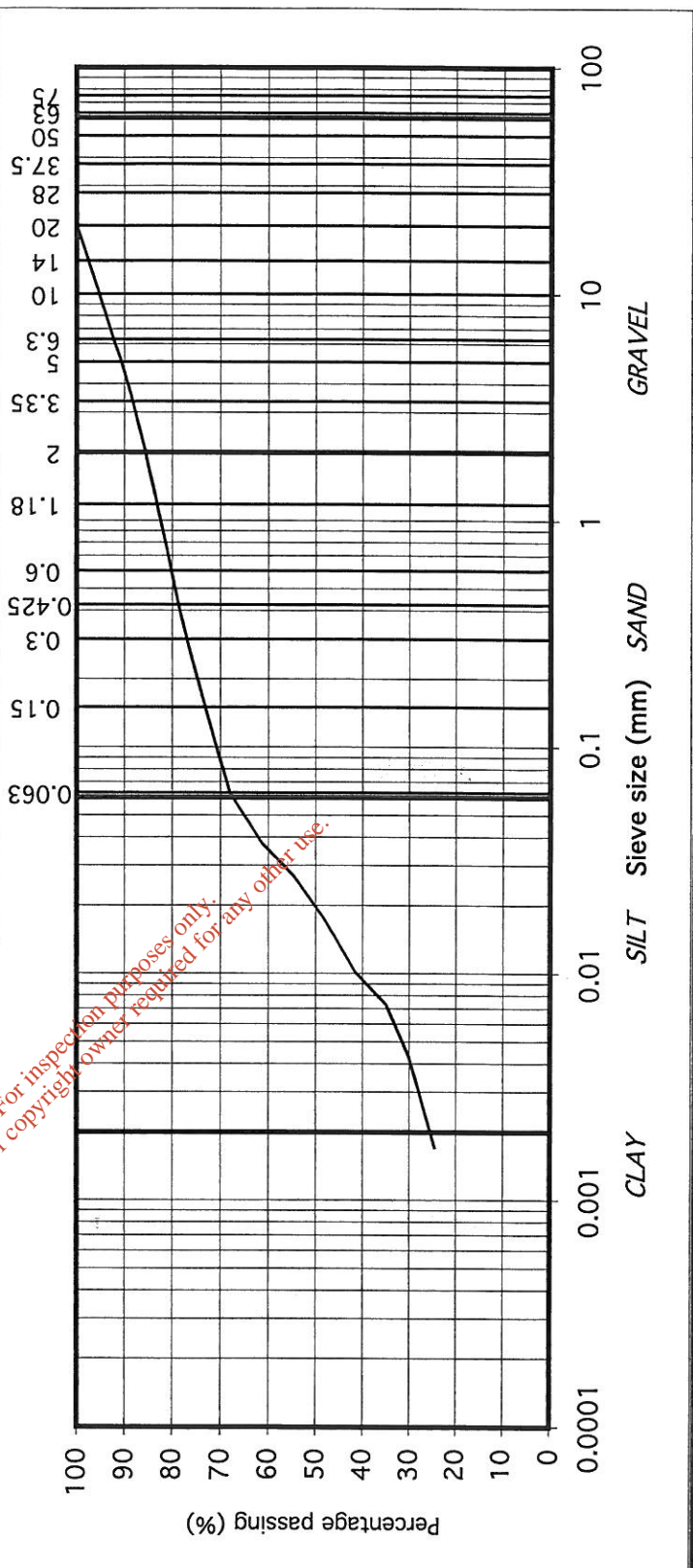
| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 100       |
| 28            | 100       |
| 20            | 100       |
| 14            | 98        |
| 10            | 95        |
| 6.3           | 92        |
| 5             | 91        |
| 3.35          | 88        |
| 2             | 86        |
| 1.18          | 83        |
| 0.6           | 80        |
| 0.425         | 79        |
| 0.3           | 77        |
| 0.15          | 73        |
| 0.063         | 68        |
| 0.038         | 61        |
| 0.027         | 55        |
| 0.017         | 48        |
| 0.010         | 42        |
| 0.007         | 35        |
| 0.004         | 30        |
| 0.002         | 25        |

COBBLES

GRAVEL

SAND

SILT/CLAY



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# TEST REPORT

## Determination of Particle Size Distribution

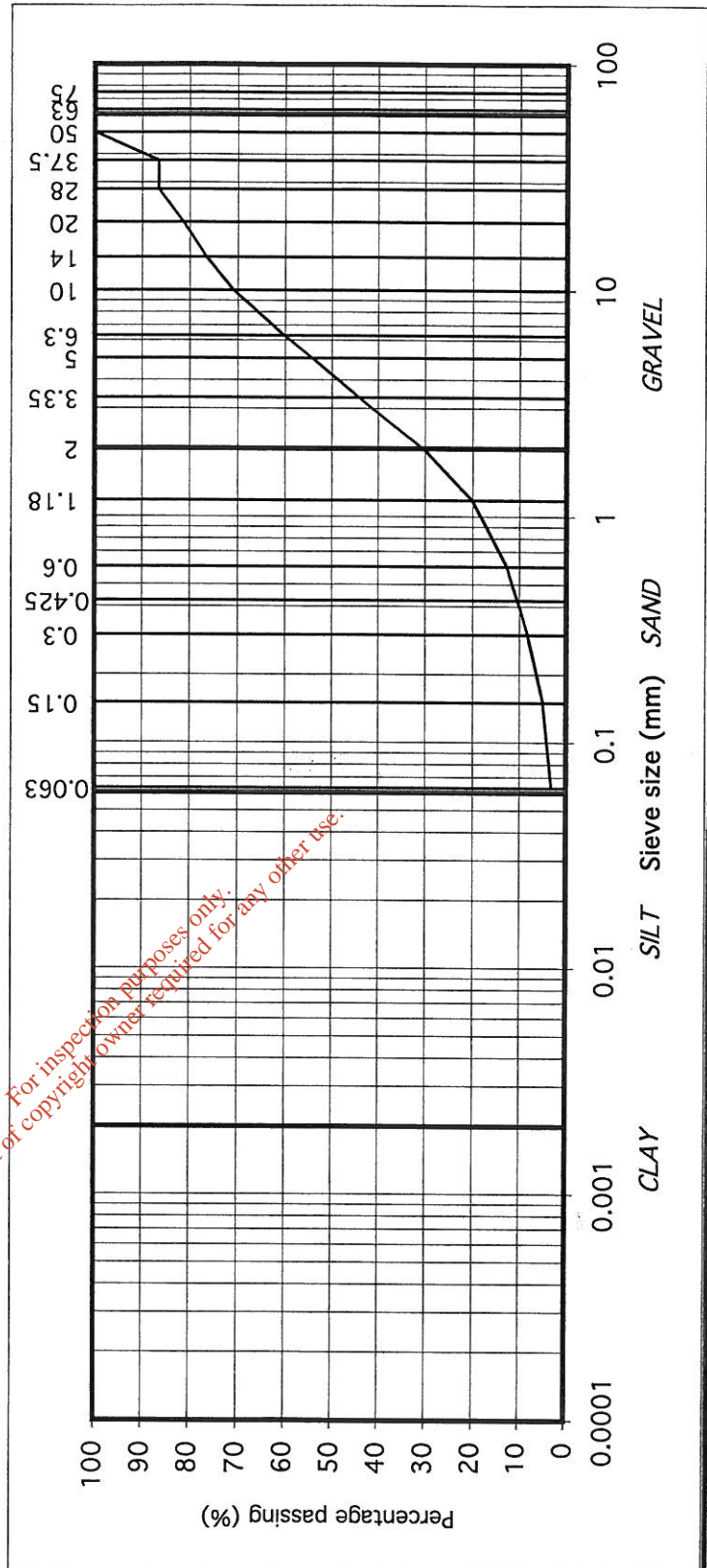
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44997  
 Contract: Drehid Landfill Site  
 BH: BH3  
 Sample No. 6695 Lab. Sample No. A11/2128  
 Sample Type: B  
 Depth (m): 6.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly clayey/silty, very sandy, GRAVEL

Remarks

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 87        |
| 28            | 87        |
| 20            | 81        |
| 14            | 77        |
| 10            | 71        |
| 6.3           | 60        |
| 5             | 54        |
| 3.35          | 44        |
| 2             | 31        |
| 1.18          | 20        |
| 0.6           | 13        |
| 0.425         | 10        |
| 0.3           | 8         |
| 0.15          | 5         |
| 0.063         | 3         |



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# TEST REPORT

## Determination of Particle Size Distribution

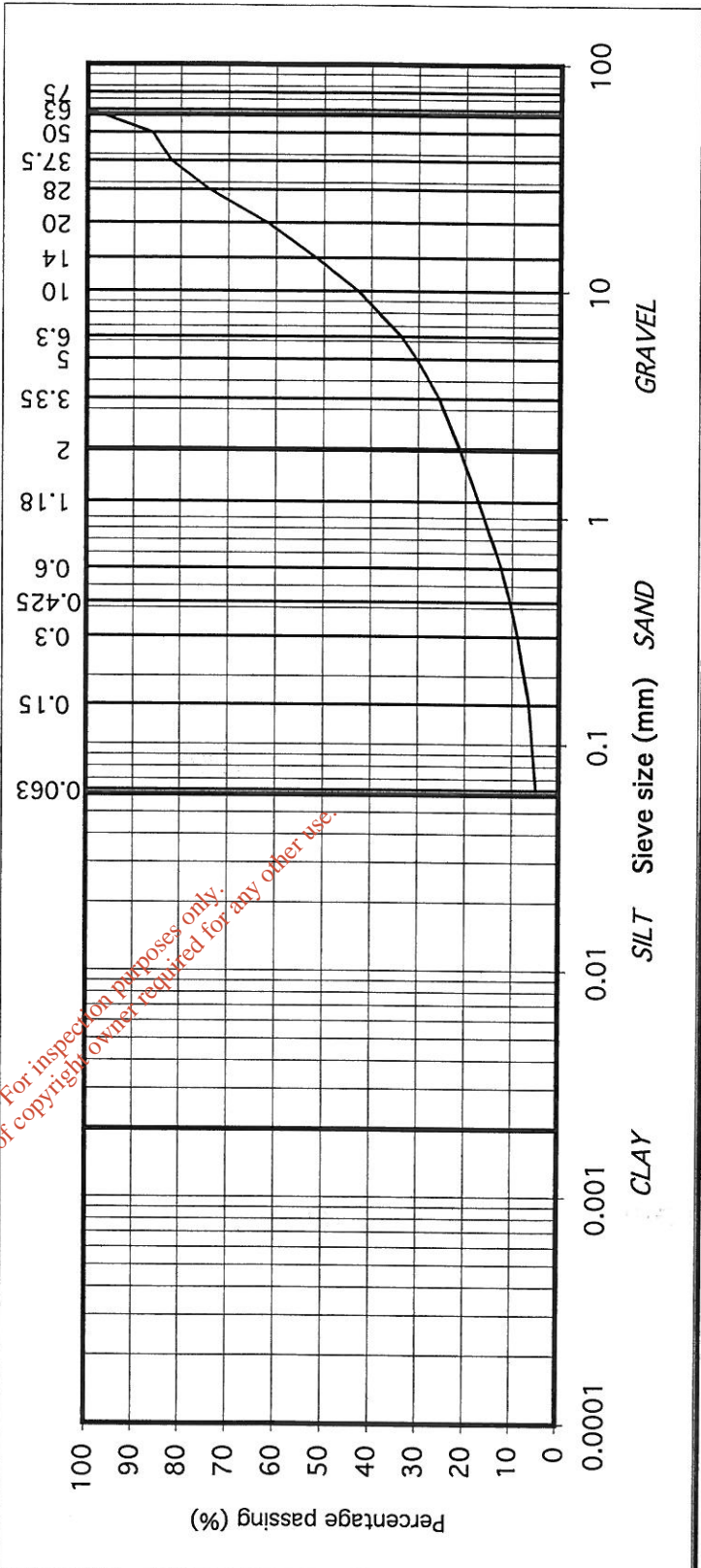
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44985  
 Contract: Drehid Landfill Site  
 BH: BH3  
 Sample No. 6698 Lab. Sample No. A11/2129  
 Sample Type: B  
 Depth (m): 9.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly clayey/silty, sandy, GRAVEL

| particle size | % passing | Classification |
|---------------|-----------|----------------|
| 75            | 100       | COBBLES        |
| 63            | 100       |                |
| 50            | 86        | GRAVEL         |
| 37.5          | 82        |                |
| 28            | 74        |                |
| 20            | 62        |                |
| 14            | 52        |                |
| 10            | 43        |                |
| 6.3           | 34        |                |
| 5             | 30        |                |
| 3.35          | 26        |                |
| 2             | 21        |                |
| 1.18          | 17        | SAND           |
| 0.6           | 12        |                |
| 0.425         | 11        |                |
| 0.3           | 9         |                |
| 0.15          | 6         | SILT/CLAY      |
| 0.063         | 5         |                |

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TEST REPORT

Determination of Particle Size Distribution

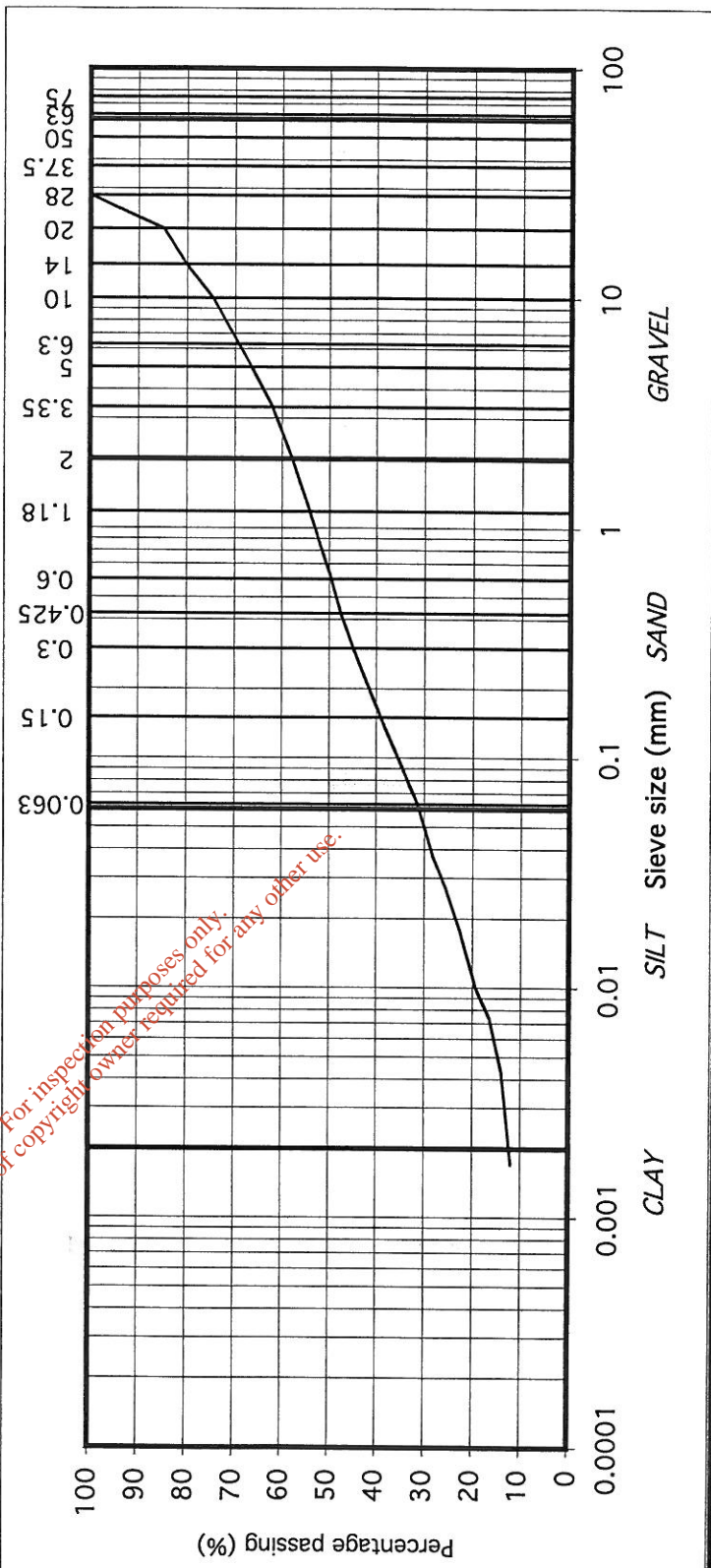
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44986  
 Contract: Drehid Landfill Site  
 BH: BH4  
 Sample No. 4845 Lab. Sample No. A11/2149  
 Sample Type: B  
 Depth (m): 6.00 Customer: Tobins  
 Date Received 26/10/2011 Date Testing started 28/10/2011  
 Description: Grey slightly sandy, gravelly, CLAY

Remarks

| particle size | % passing | COBBLES | GRAVEL | SAND | SILT/CLAY |
|---------------|-----------|---------|--------|------|-----------|
| 75            | 100       |         |        |      |           |
| 63            | 100       |         |        |      |           |
| 50            | 100       |         |        |      |           |
| 37.5          | 100       |         |        |      |           |
| 28            | 100       |         |        |      |           |
| 20            | 85        |         |        |      |           |
| 14            | 80        |         |        |      |           |
| 10            | 75        |         |        |      |           |
| 6.3           | 69        |         |        |      |           |
| 5             | 67        |         |        |      |           |
| 3.35          | 62        |         |        |      |           |
| 2             | 58        |         |        |      |           |
| 1.18          | 54        |         |        |      |           |
| 0.6           | 50        |         |        |      |           |
| 0.425         | 48        |         |        |      |           |
| 0.3           | 45        |         |        |      |           |
| 0.15          | 39        |         |        |      |           |
| 0.063         | 31        |         |        |      |           |
| 0.038         | 28        |         |        |      |           |
| 0.027         | 26        |         |        |      |           |
| 0.017         | 22        |         |        |      |           |
| 0.010         | 19        |         |        |      |           |
| 0.007         | 16        |         |        |      |           |
| 0.004         | 14        |         |        |      |           |
| 0.002         | 12        |         |        |      |           |



TEST REPORT

Determination of Particle Size Distribution

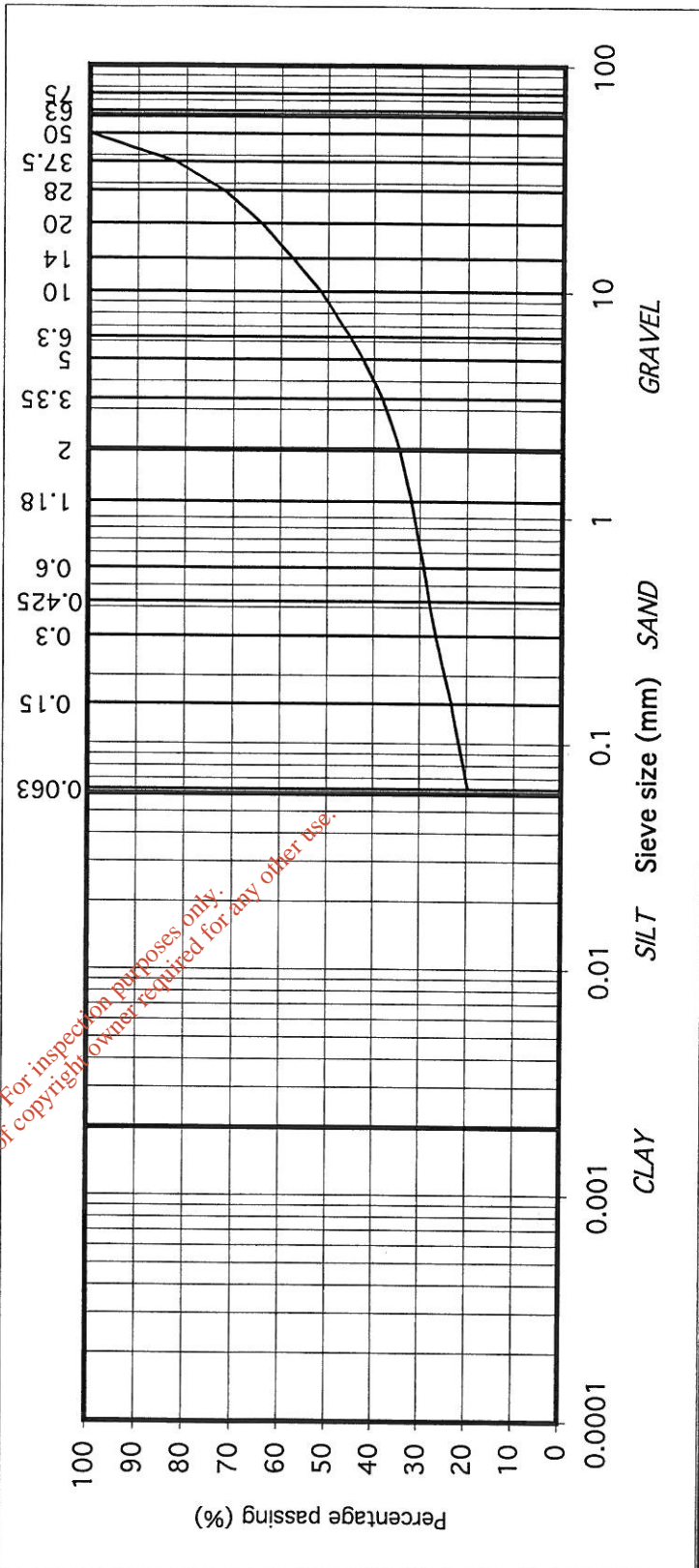
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44998  
 Contract: Drehid Landfill Site  
 BH: BH5  
 Sample No. 4822 Lab. Sample No. A11/2134  
 Sample Type: B  
 Depth (m): 6.00 Customer: Tobins  
 Date Received 26/10/2011 Date Testing started 28/10/2011  
 Description: Grey clayey, sandy, GRAVEL

Remarks

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 82        |
| 28            | 72        |
| 20            | 64        |
| 14            | 58        |
| 10            | 52        |
| 6.3           | 45        |
| 5             | 42        |
| 3.35          | 38        |
| 2             | 34        |
| 1.18          | 32        |
| 0.6           | 29        |
| 0.425         | 28        |
| 0.3           | 27        |
| 0.15          | 23        |
| 0.063         | 20        |



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 Date: 15/11/11  
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TEST REPORT

Determination of particle Size Distribution

Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5

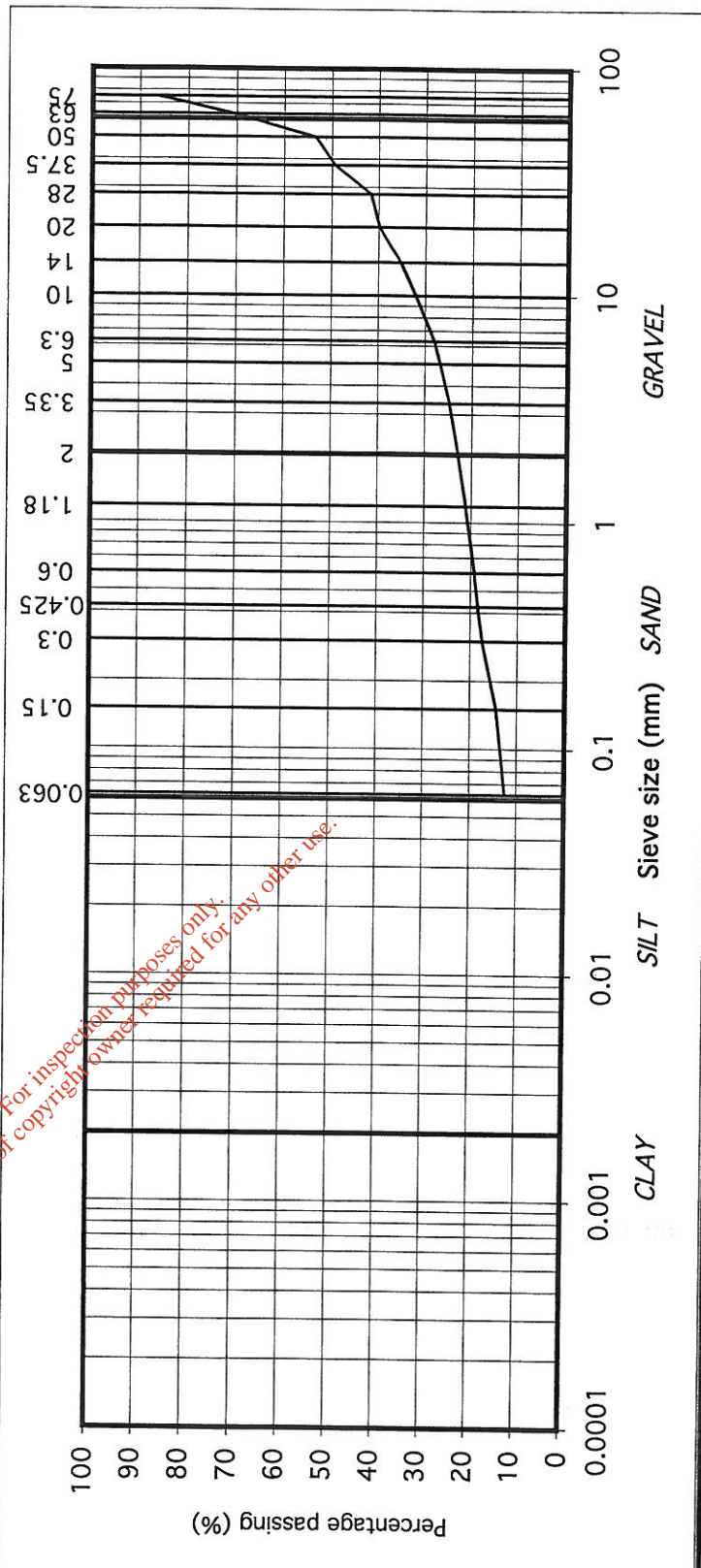
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44999  
 Contract: Drehid Landfill Site  
 BH: BH5  
 Sample No. 4824 Lab. Sample No. A11/2135  
 Sample Type: B  
 Depth (m): 8.00 Customer: Tobins  
 Date Received 26/10/2011 Date Testing started 28/10/2011  
 Description: Grey clayey/silty, sandy, GRAVEL with many cobbles

Remarks

| particle size | % passing |           |
|---------------|-----------|-----------|
| 75            | 86        | COBBLES   |
| 63            | 71        |           |
| 50            | 54        |           |
| 37.5          | 49        | GRAVEL    |
| 28            | 42        |           |
| 20            | 40        |           |
| 14            | 35        |           |
| 10            | 32        |           |
| 6.3           | 28        |           |
| 5             | 27        |           |
| 3.35          | 25        |           |
| 2             | 23        |           |
| 1.18          | 21        |           |
| 0.6           | 19        | SAND      |
| 0.425         | 19        |           |
| 0.3           | 18        |           |
| 0.15          | 15        | SILT/CLAY |
| 0.063         | 13        |           |



TEST REPORT

Determination of Particle Size Distribution

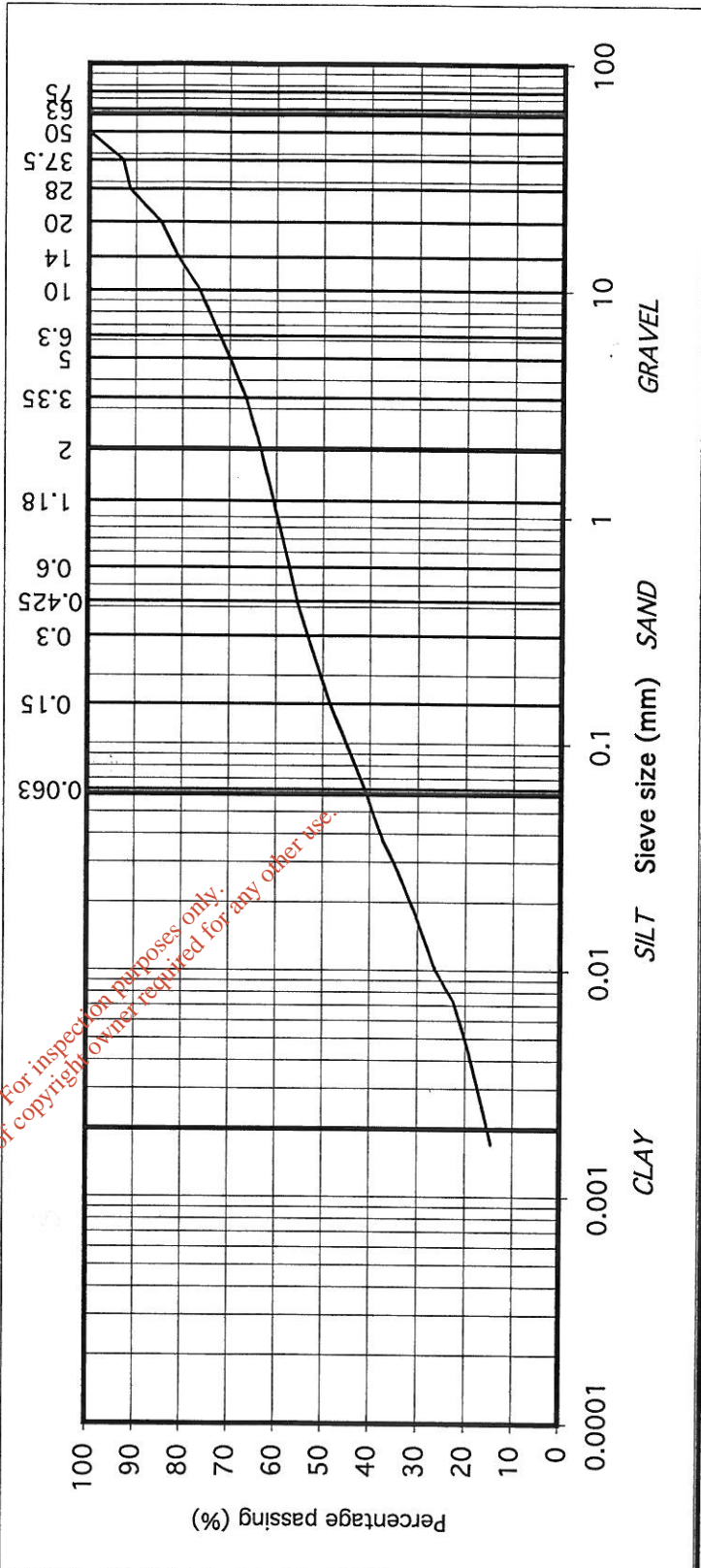
Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R44987  
 Contract: Drehid Landfill Site  
 BH: BH6  
 Sample No. 4828 Lab. Sample No. A11/2137  
 Sample Type: B  
 Depth (m): 4.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly sandy, gravelly, CLAY

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 100       |
| 37.5          | 93        |
| 28            | 91        |
| 20            | 85        |
| 14            | 81        |
| 10            | 76        |
| 6.3           | 72        |
| 5             | 70        |
| 3.35          | 67        |
| 2             | 63        |
| 1.18          | 61        |
| 0.6           | 57        |
| 0.425         | 56        |
| 0.3           | 53        |
| 0.15          | 49        |
| 0.063         | 41        |
| 0.038         | 37        |
| 0.027         | 34        |
| 0.017         | 30        |
| 0.010         | 26        |
| 0.007         | 22        |
| 0.004         | 19        |
| 0.002         | 15        |

Remarks



# TEST REPORT

## Determination of Particle Size Distribution

Tested in accordance with: BS1377:Part2:1990, clause 9.2 & 9.5  
(note: Sedimentation stage not accredited)



Contract No: 15466 Report No. R45000  
 Contract: Drehid Landfill Site  
 BH: BH7  
 Sample No. 4898 Lab. Sample No. A11/2156  
 Sample Type: B  
 Depth (m): 7.00 Customer: Tobins  
 Date Received: 26/10/2011 Date Testing started: 28/10/2011  
 Description: Grey slightly sandy, gravelly, CLAY

| particle size | % passing |
|---------------|-----------|
| 75            | 100       |
| 63            | 100       |
| 50            | 87        |
| 37.5          | 87        |
| 28            | 83        |
| 20            | 79        |
| 14            | 74        |
| 10            | 71        |
| 6.3           | 67        |
| 5             | 65        |
| 3.35          | 62        |
| 2             | 59        |
| 1.18          | 56        |
| 0.6           | 53        |
| 0.425         | 52        |
| 0.3           | 50        |
| 0.15          | 46        |
| 0.063         | 40        |
| 0.038         | 36        |
| 0.027         | 33        |
| 0.018         | 26        |
| 0.010         | 22        |
| 0.007         | 19        |
| 0.004         | 15        |
| 0.002         | 13        |

Remarks

