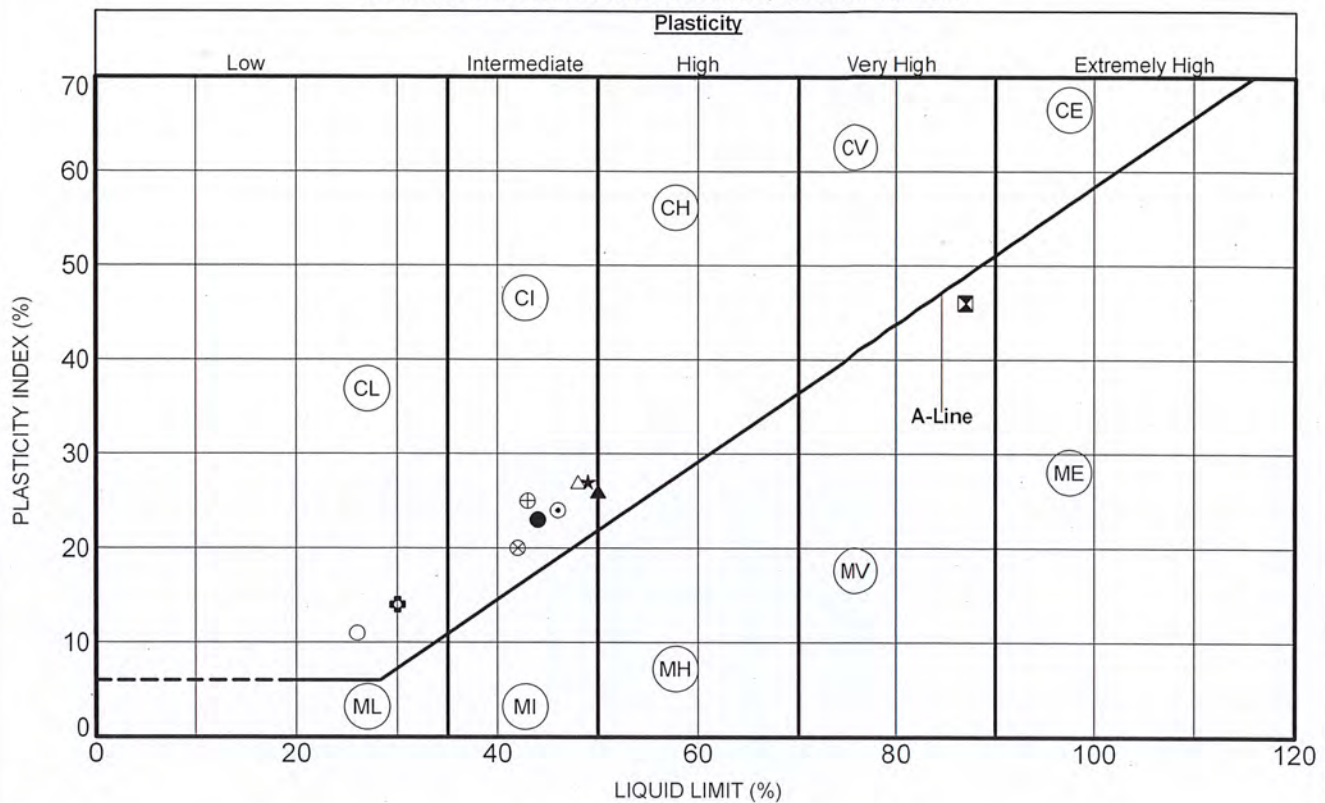


# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|-------------|
| ●MS\BH08             | 15.70     | J51              | 15.70              | 44 | 21 | 23 | 0.52           | Natural            |              | 33      | 05/08/2021  |
| ⊠MS\BH08             | 16.30     | J53              | 16.30              | 87 | 41 | 46 | 0.52           | Natural            |              | 65      | 05/08/2021  |
| ▲MS\BH08             | 17.80     | J55              | 17.80              | 50 | 24 | 26 | 0.00           | Natural            |              | 24      | 05/08/2021  |
| ★MS\BH08             | 20.35     | U59              | 20.35              | 49 | 22 | 27 | 0.11           | Natural            |              | 25      | 06/08/2021  |
| ⊙MS\BH08             | 20.80     | J60              | 20.80              | 46 | 22 | 24 | 0.25           | Natural            |              | 28      | 05/08/2021  |
| ⊕MS\BH08             | 23.30     | U63              | 23.30              | 30 | 16 | 14 | 0.14           | Natural            |              | 18      | 06/08/2021  |
| ○MS\BH08             | 24.35     | U67              | 24.35              | 26 | 15 | 11 | -0.36          | Natural            |              | 11      | 16/08/2021  |
| △MS\BH09             | 13.50     | J47              | 13.50              | 48 | 21 | 27 | 0.15           | Natural            |              | 25      | 10/08/2021  |
| ⊗MS\BH09             | 14.00     | J50              | 14.00              | 42 | 22 | 20 | -0.10          | Natural            |              | 20      | 10/08/2021  |
| ⊕MS\BH09             | 15.20     | J55              | 15.20              | 43 | 18 | 25 | -0.04          | Natural            |              | 17      | 10/08/2021  |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
If sample is prepared in the natural state we are unable to determine % retained on the 0.425mm test sieve.

Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



Signed :-

Date of issue :-

22/09/2021

Name :-

Certificate No :-

PI/4339/7

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AEG Contract No. :-

4339

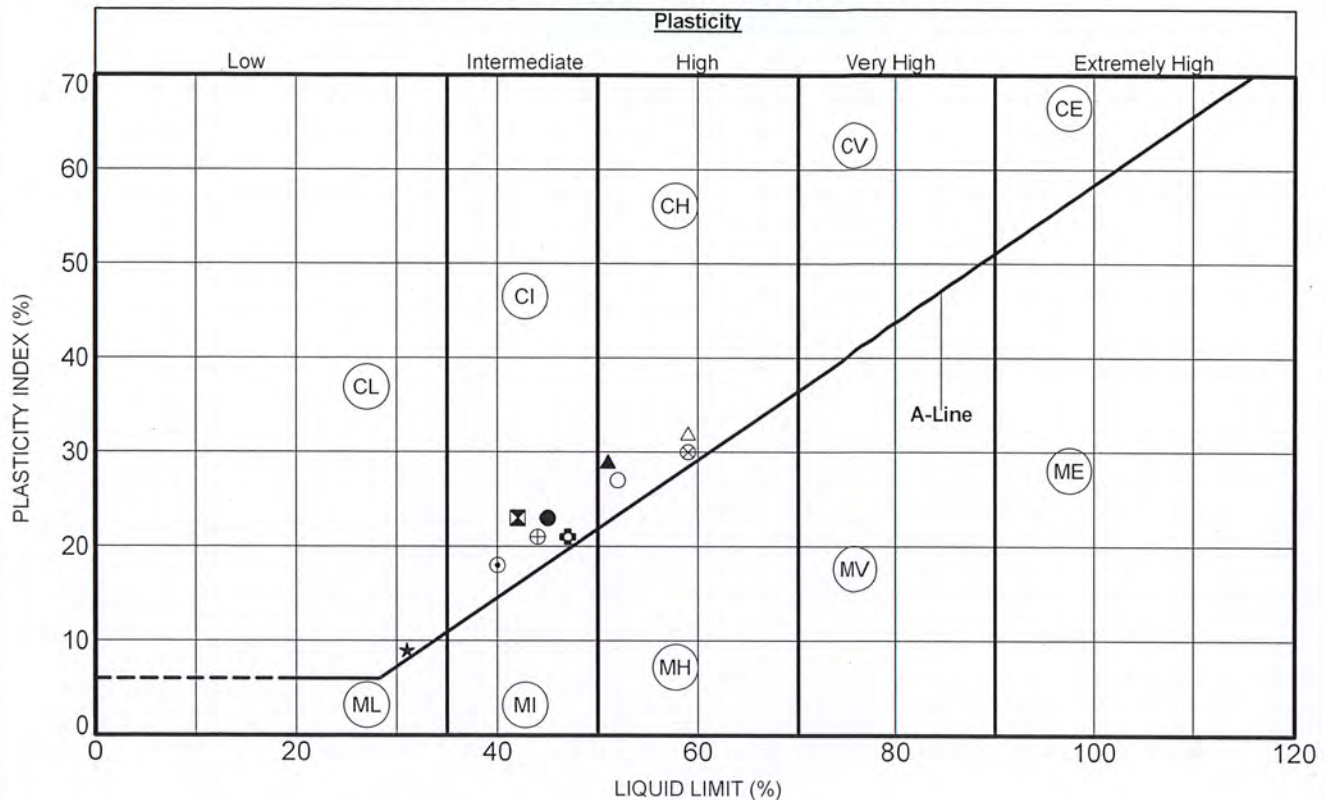


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Regional Office: Unit 20, Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL - Tel: 01772 735 300 Fax: 01772 735 999

## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|-------------|
| ●MS\BH09             | 15.70     | U57              | 15.70              | 45 | 22 | 23 | 0.00           | Natural            |              | 22      | 18/08/2021  |
| ⊗MS\BH09             | 18.00     | J61              | 18.00              | 42 | 19 | 23 | 0.26           | Natural            |              | 25      | 10/08/2021  |
| ▲MS\BH09             | 18.60     | J63              | 18.60              | 51 | 22 | 29 | 0.34           | Natural            |              | 32      | 10/08/2021  |
| ★MS\BH10             | 9.45      | J24              | 9.45               | 31 | 22 | 9  | 0.67           | Natural            |              | 28      | 10/08/2021  |
| ⊙MS\BH10             | 11.70     | U30              | 11.70              | 40 | 22 | 18 | 0.11           | Natural            |              | 24      | 16/08/2021  |
| ⊕MS\BH10             | 12.60     | J31              | 12.60              | 47 | 26 | 21 | 0.29           | Natural            |              | 32      | 12/08/2021  |
| ○MS\BH10             | 13.60     | J1               | 13.60              | 52 | 25 | 27 | 0.26           | Natural            |              | 32      | 10/08/2021  |
| △MS\BH10             | 14.10     | J35              | 14.10              | 59 | 27 | 32 | 0.34           | Natural            |              | 38      | 10/08/2021  |
| ⊗MS\BH10             | 15.10     | U38              | 15.10              | 59 | 29 | 30 | -0.13          | Natural            |              | 25      | 19/08/2021  |
| ⊕MS\BH10             | 17.25     | U44              | 17.25              | 44 | 23 | 21 | -0.14          | Natural            |              | 20      | 18/08/2021  |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
If sample is prepared in the natural state we are unable to determine % retained on the 0.425mm test sieve.

Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



Signed :-

[Redacted Signature]

Name :-

M. SELKIRK

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Date of issue :-

22/09/2021

Certificate No :-

PI/4339/8

AEG Contract No. :-

4339



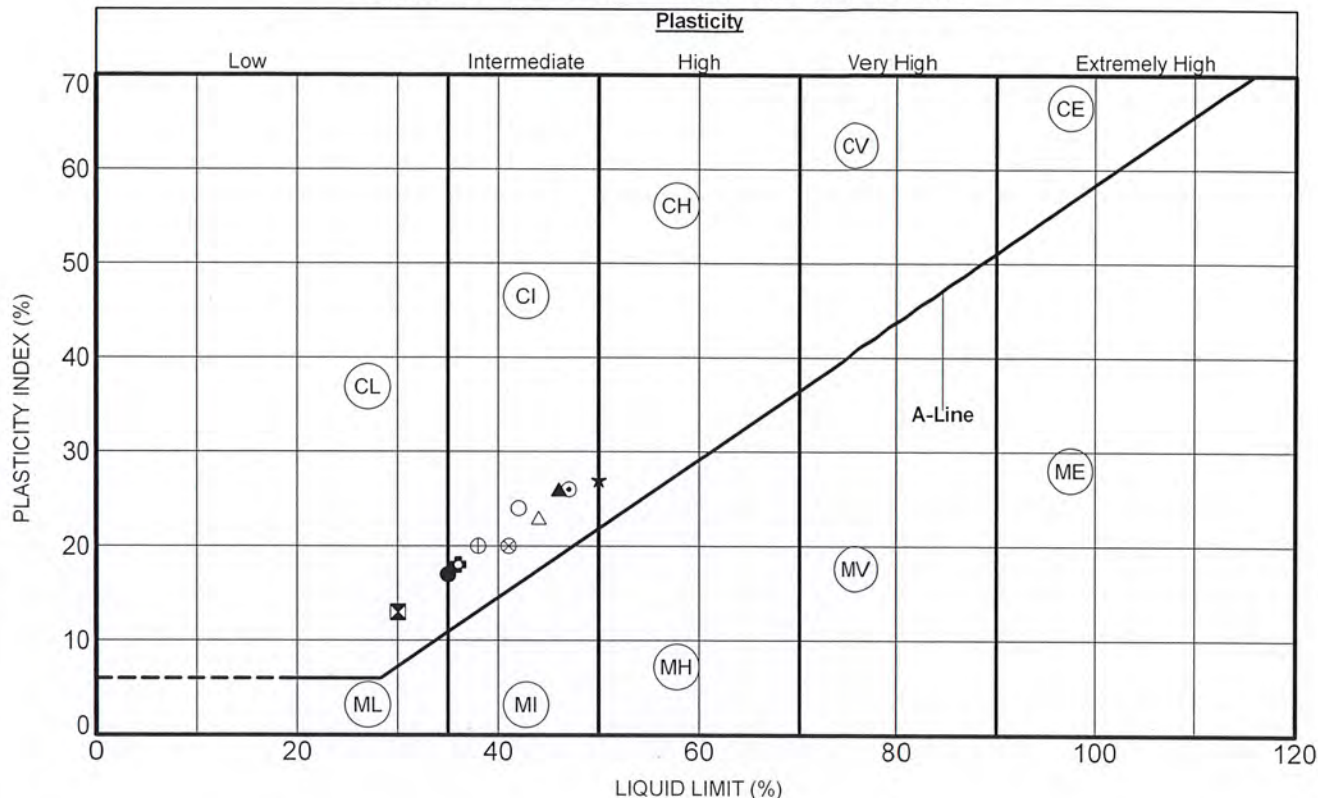


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Regional Office: Unit 20, Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL - Tel: 01772 735 300 Fax: 01772 735 999

## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|-------------|
| ●MS\BH11             | 12.90     | B43              | 12.90              | 35 | 18 | 17 | 0.24           | Natural            | 95.0         | 22      | 11/08/2021  |
| ⊗MS\BH11             | 13.20     | UT1              | 13.37              | 30 | 17 | 13 | 0.69           | Natural            |              | 26      | 06/08/2021  |
| ▲MS\BH11             | 15.90     | U51              | 15.90              | 46 | 20 | 26 | 0.08           | Natural            |              | 22      | 02/09/2021  |
| ★MS\BH11             | 16.35     | B52              | 16.35              | 50 | 23 | 27 | 0.00           | Natural            | 95.0         | 23      | 03/08/2021  |
| ⊙MS\BH11             | 17.20     | B54              | 17.20              | 47 | 21 | 26 | 0.04           | Natural            | 92.0         | 22      | 04/08/2021  |
| ⊕MS\BH11             | 17.55     | U55              | 17.85              | 36 | 18 | 18 | 0.06           | Natural            |              | 19      | 09/08/2021  |
| ○MS\BH12             | 5.80      | J18              | 5.80               | 42 | 18 | 24 | 0.79           | Natural            |              | 37      | 29/07/2021  |
| △MS\BH12             | 15.40     | J44              | 15.40              | 44 | 21 | 23 | 0.52           | Natural            |              | 33      | 29/07/2021  |
| ⊗MS\BH12             | 16.20     | UT1              | 16.25              | 41 | 21 | 20 | 0.55           | Natural            |              | 32      | 06/08/2021  |
| ⊕MS\BH12             | 16.65     | J46              | 16.65              | 38 | 18 | 20 | 0.15           | Natural            |              | 21      | 17/08/2021  |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
If sample is prepared in the natural state we are unable to determine % retained on the 0.425mm test sieve.

Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



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Date of issue :-

22/09/2021

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Certificate No :-

PI/4339/9

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AEG Contract No. :-

4339

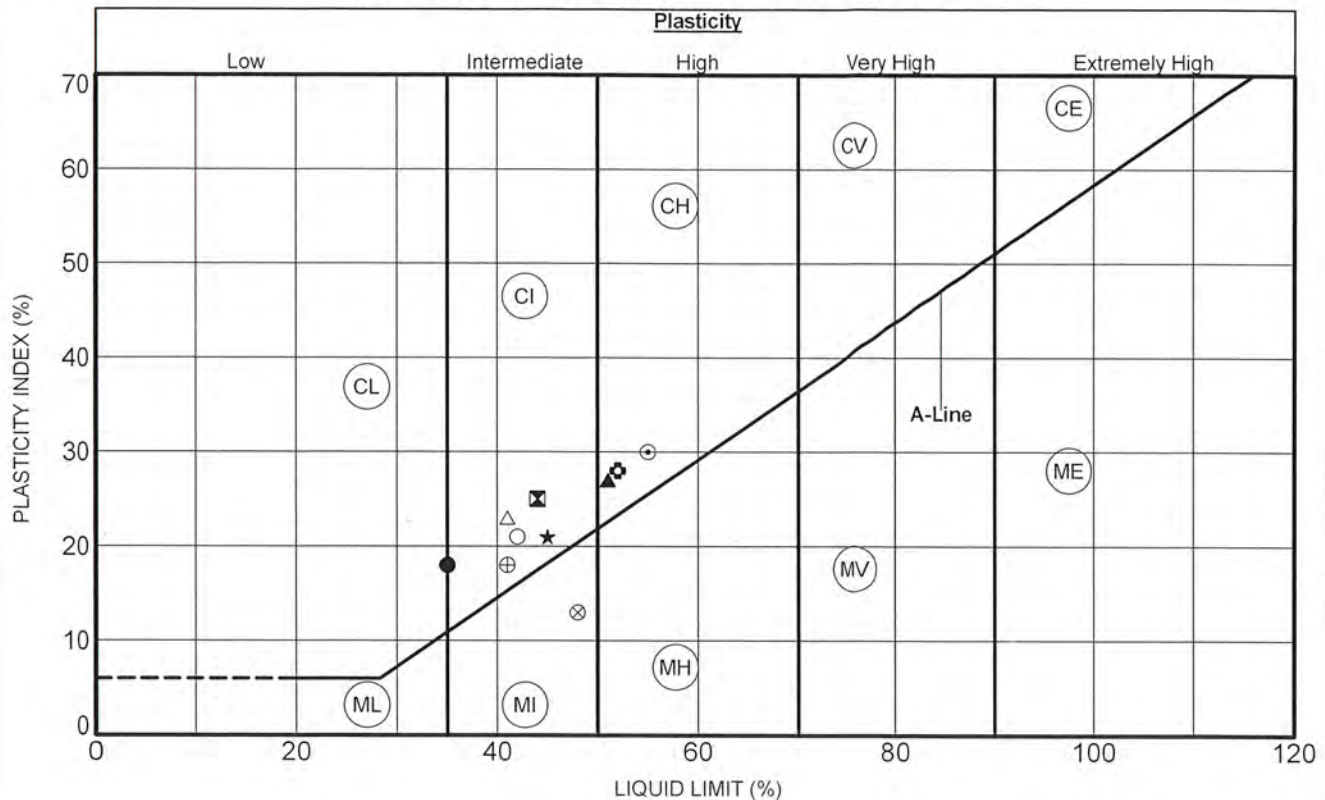


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Regional Office: Unit 20, Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL - Tel: 01772 735 300 Fax: 01772 735 999

## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested  |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|--------------|
| ●MS\BH12             | 18.90     | J48              | 18.90              | 35 | 17 | 18 | 0.06           | Natural            |              | 18      | 17/08/2021   |
| ⊗MS\BH13             | 3.00      | J16              | 3.00               | 44 | 19 | 25 | 0.40           | Natural            |              | 29      | 05/08/2021   |
| ▲MS\BH13             | 4.20      | B19              | 4.20               | 51 | 24 | 27 | 0.41           | Natural            | 99.0         | 35      | 02/08/2021   |
| ★MS\BH13             | 5.70      | UT1              | 5.70               | 45 | 24 | 21 | 0.71           | Natural            |              | 39      | 16/08/2021 # |
| ○MS\BH13             | 11.50     | J37              | 11.50              | 55 | 25 | 30 | 0.07           | Natural            |              | 27      | 05/08/2021   |
| ◆MS\BH13             | 11.70     | UT2              | 11.70              | 52 | 24 | 28 | 0.54           | Natural            |              | 39      | 16/08/2021   |
| ○MS\BH13             | 12.80     | U46              | 12.83              | 42 | 21 | 21 | -0.10          | Natural            |              | 19      | 16/08/2021   |
| △MS\BH13             | 14.70     | U49              | 14.70              | 41 | 18 | 23 | 0.13           | Natural            |              | 21      | 17/08/2021   |
| ⊗MS\BH14             | 4.50      | J17              | 4.50               | 48 | 35 | 13 | 0.15           | Natural            |              | 37      | 05/08/2021 # |
| ⊕MS\BH14             | 14.20     | U51              | 14.20              | 41 | 23 | 18 | -0.22          | Natural            |              | 19      | 18/08/2021   |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
If sample is prepared in the natural state we are unable to determine % retained on the 0.425mm test sieve.

Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



Signed :-

Date of issue :-

22/09/2021

Name :-

M. SELKIRK

Certificate No :-

PI/4339/10

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AEG Contract No. :-

4339



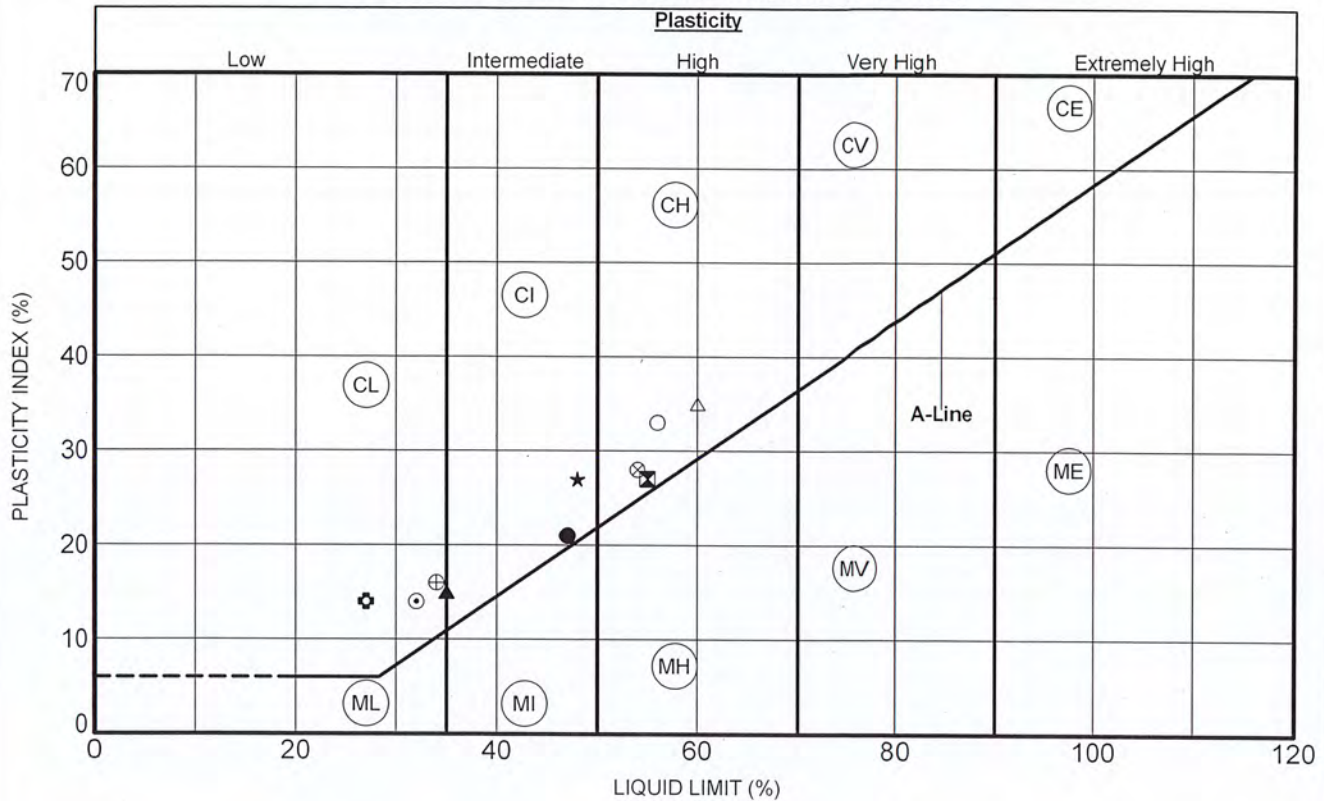


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## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested  |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|--------------|
| ●MS\BH14             | 15.05     | U54              | 15.05              | 47 | 26 | 21 | -0.14          | Natural            |              | 23      | 18/08/2021   |
| ⊗MS\BH14             | 15.60     | J56              | 15.60              | 55 | 28 | 27 | 0.07           | Natural            |              | 30      | 05/08/2021 # |
| ▲MS\BH14             | 16.62     | U59              | 16.62              | 35 | 20 | 15 | -0.20          | Natural            |              | 17      | 18/08/2021   |
| ★MS\BH15             | 1.25      | B6               | 1.25               | 48 | 21 | 27 | 0.19           | Natural            | 74.0         | 26      | 30/07/2021   |
| ○MS\BH15             | 14.00     | J52              | 14.00              | 32 | 18 | 14 | 0.29           | Natural            |              | 22      | 29/07/2021   |
| ⊕MS\BH15             | 14.70     | UT1              | 14.70              | 27 | 13 | 14 | 0.36           | Natural            |              | 18      | 16/08/2021   |
| ○MS\BH15             | 15.00     | J59              | 15.00              | 56 | 23 | 33 | 0.15           | Natural            |              | 28      | 29/07/2021   |
| △MS\BH15             | 16.00     | J65              | 16.00              | 60 | 25 | 35 | 0.14           | Natural            |              | 30      | 28/07/2021   |
| ⊗MS\BH15             | 17.70     | UT2              | 17.70              | 54 | 26 | 28 | 0.14           | Natural            |              | 30      | 16/08/2021   |
| ⊕MS\BH15             | 19.50     | J80              | 19.50              | 34 | 18 | 16 | -0.19          | Natural            |              | 15      | 29/07/2021   |

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Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



Signed :-

Date of issue :-

22/09/2021

Name :-

Certificate No :-

PI/4339/11

M. SELKIRK

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AEG Contract No. :-

4339

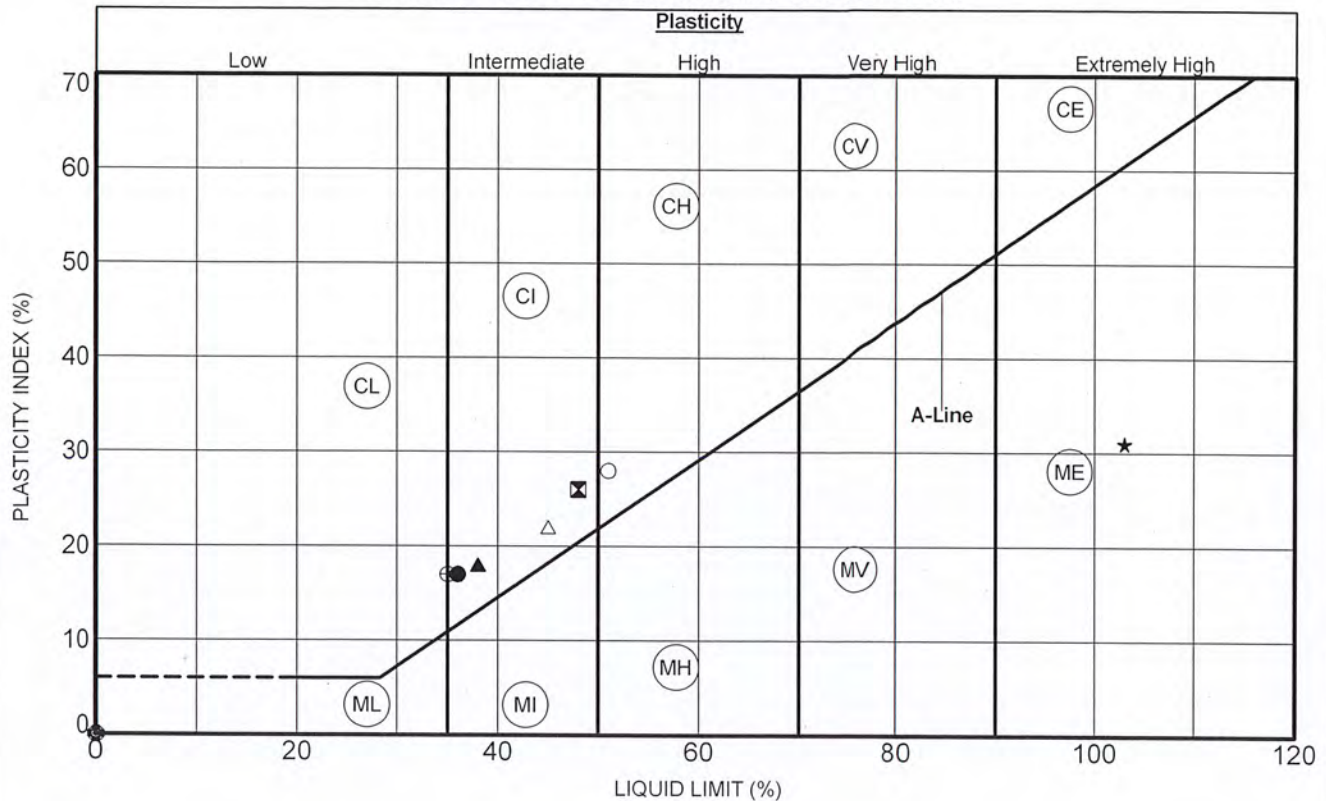


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## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL  | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested  |
|----------------------|-----------|------------------|--------------------|-----|----|----|----------------|--------------------|--------------|---------|--------------|
| ●MS\BH16             | 2.00      | J11              | 2.00               | 36  | 19 | 17 | -0.12          | Natural            |              | 17      | 05/08/2021   |
| ⊗MS\BH16             | 2.50      | J13              | 2.50               | 48  | 22 | 26 | 0.15           | Natural            |              | 26      | 05/08/2021 # |
| ▲MS\BH16             | 5.00      | J22              | 5.00               | 38  | 20 | 18 | 0.67           | Natural            |              | 32      | 29/07/2021   |
| ★MS\BH16             | 5.65      | J27              | 5.65               | 103 | 72 | 31 | 0.81           | Natural            |              | 97      | 29/07/2021   |
| ⊙MS\BH16             | 5.90      | B30              | 5.90               | NP  | NP | NP |                | Natural            | 99.0         | 22      | 29/07/2021   |
| ⊕MS\BH16             | 10.20     | B44              | 10.20              | NP  | NP | NP |                | Natural            | 98.0         | 21      | 02/08/2021   |
| ○MS\BH16             | 13.50     | J57              | 13.50              | 51  | 23 | 28 | 0.36           | Natural            |              | 33      | 29/07/2021   |
| ΔMS\BH16             | 14.70     | UT1              | 14.70              | 45  | 23 | 22 | 0.05           | Natural            |              | 24      | 16/08/2021   |
| ⊗MS\BH16             | 18.00     | J76              | 18.00              | 36  | 19 | 17 | 0.18           | Natural            |              | 22      | 05/08/2021   |
| ⊕MS\BH17             | 0.50      | B4               | 0.50               | 35  | 18 | 17 | -0.35          | Natural            | 70.0         | 12      | 02/08/2021   |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
If sample is prepared in the natural state we are unable to determine % retained on the 0.425mm test sieve.

Contract Title :-

Preliminary Onshore Ground Investigation for NZT

Client :-

AECOM



Signed :-

Date of Issue :-

22/09/2021

Name :-

M. SELKIRK

Certificate No :-

PI/4339/12

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AEG Contract No. :-

4339



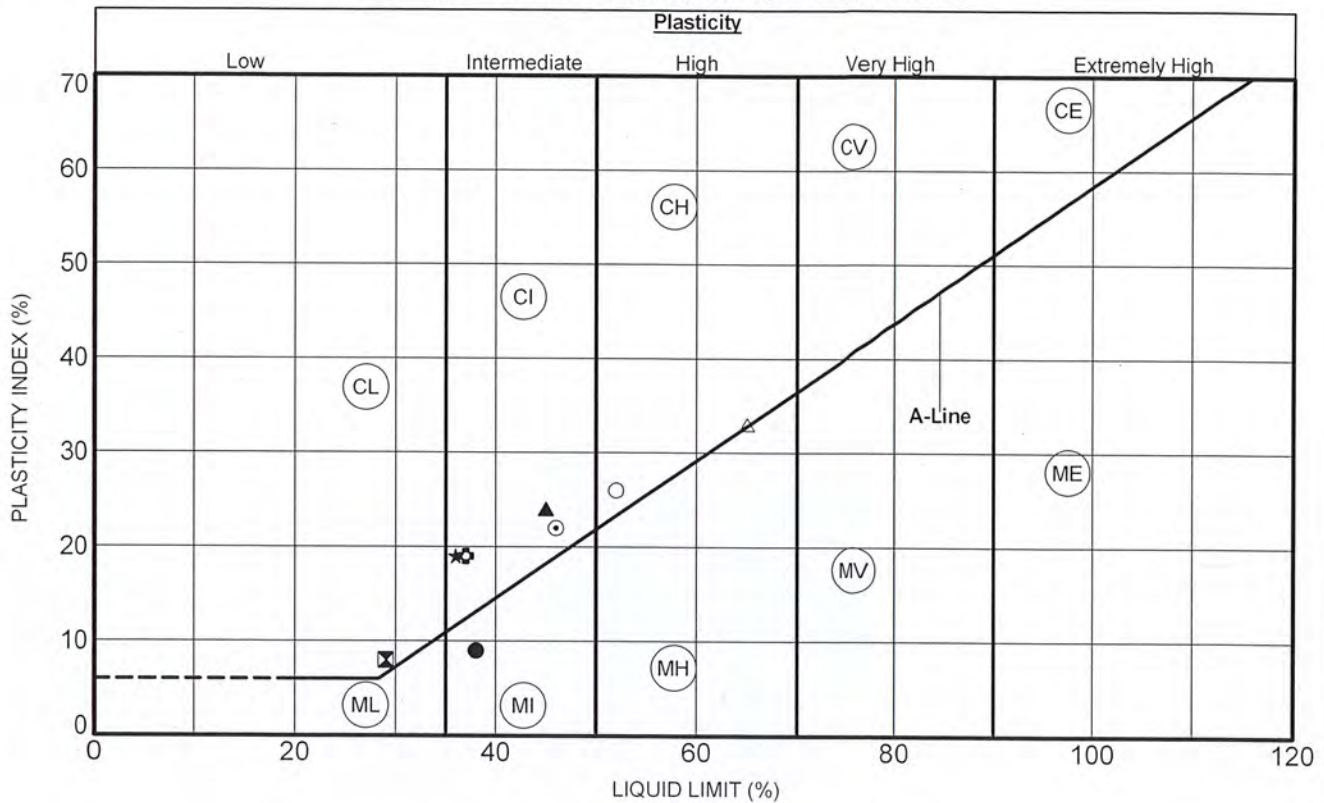


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## ATTERBERG LIMITS & NATURAL MOISTURE CONTENT

Test Method :- BS 1377 : Part 2 : Clause 3.2, 4.1 to 4.4 & 5 : 1990



| Exploratory Hole No. | Depth (m) | Sample Type/Ref. | Specific Depth (m) | LL | PL | PI | I <sub>L</sub> | Preparation Method | <0.425mm (%) | m/c (%) | Date Tested |
|----------------------|-----------|------------------|--------------------|----|----|----|----------------|--------------------|--------------|---------|-------------|
| ●MS\BH17             | 6.20      | B26              | 6.20               | 38 | 29 | 9  | -1.67          | Natural            | 16.0         | 14      | 03/08/2021  |
| ⊗MS\BH17             | 10.50     | J41              | 10.50              | 29 | 21 | 8  | 0.88           | Natural            |              | 28      | 05/08/2021  |
| ▲MS\BH17             | 14.70     | UT1              | 14.70              | 45 | 21 | 24 | 0.17           | Natural            |              | 25      | 16/08/2021  |
| ★MS\BH17             | 15.50     | J52              | 15.50              | 36 | 17 | 19 | 0.53           | Natural            |              | 27      | 05/08/2021  |
| ⊙MS\BH17             | 17.70     | UT2              | 17.70              | 46 | 24 | 22 | -0.09          | Natural            |              | 22      | 16/08/2021  |
| ◆MS\BH17             | 18.50     | J63              | 18.50              | 37 | 18 | 19 | 0.26           | Natural            |              | 23      | 05/08/2021  |
| ○MS\TP10             | 0.20      | J1               | 0.20               | 52 | 26 | 26 | -0.08          | Natural            |              | 24      | 10/08/2021  |
| △MS\TP10             | 0.40      | LB3              | 0.40               | 65 | 32 | 33 | -0.09          | Natural            | 89.0         | 29      | 06/08/2021  |

For description of sample please refer to the Laboratory Sample Description Sheet. # = Insufficient for 4 point PI  
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Contract Title :- Preliminary Onshore Ground Investigation for NZT

Client :- AECOM



Signed :-

[Redacted Signature]

Name :-

M. SELKIRK

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Date of issue :-

22/09/2021

Certificate No :-

PI/4339/13

AEG Contract No. :-

4339



## Determination of Density by Linear Measurement





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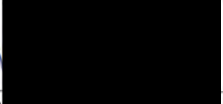
## DETERMINATION OF DENSITY BY LINEAR MEASUREMENT

BS 1377 : Part 2 : Clause 7 : 1990

| Exploratory Hole No.:- | Sample Type & No.:- | Sample Depth (m):- | Specific Depth (m):- | Bulk Density (Mg/m <sup>3</sup> ):- | Dry Density (Mg/m <sup>3</sup> ):- | Moisture Content (%):- | Date Tested | Test Method         |
|------------------------|---------------------|--------------------|----------------------|-------------------------------------|------------------------------------|------------------------|-------------|---------------------|
| LF\BH01                | B16                 | 3.65               | 3.65                 | 1.89                                | 1.52                               | 24                     | 04/08/2021  | 2.5kg Remould @ NMC |
| LF\BH01                | B28                 | 8.70               | 8.70                 | 1.94                                | 1.60                               | 21                     | 29/07/2021  | 2.5kg Remould @ NMC |
| LF\BH02                | B14                 | 4.20               | 4.20                 | 1.86                                | 1.56                               | 19                     | 04/08/2021  | 2.5kg Remould @ NMC |
| LF\TP01                | B8                  | 1.80               | 1.80                 | 1.59                                | 1.41                               | 13                     | 09/08/2021  | 2.5kg Remould @ NMC |
| MS\BH02                | B16                 | 3.40               | 3.40                 | 1.84                                | 1.51                               | 22                     | 04/08/2021  | 2.5kg Remould @ NMC |
| MS\BH03                | B16                 | 2.80               | 2.80                 | 2.00                                | 1.72                               | 16                     | 04/08/2021  | 2.5kg Remould @ NMC |
| MS\BH04                | B12                 | 2.70               | 2.70                 | 1.90                                | 1.60                               | 19                     | 12/08/2021  | 2.5kg Remould @ NMC |
| MS\BH04                | B18                 | 4.95               | 4.95                 | 1.86                                | 1.65                               | 13                     | 16/08/2021  | 2.5kg Remould @ NMC |
| MS\BH08                | B22                 | 6.30               | 6.30                 | 1.95                                | 1.63                               | 20                     | 10/08/2021  | 2.5kg Remould @ NMC |
| MS\BH08                | B28                 | 8.50               | 8.50                 | 1.85                                | 1.36                               | 36                     | 23/08/2021  | Undisturbed         |
| MS\BH08                | B30                 | 9.25               | 9.25                 | 1.70                                | 1.13                               | 51                     | 12/08/2021  | Undisturbed         |
| MS\BH11                | B25                 | 5.70               | 5.70                 | 1.97                                | 1.61                               | 22                     | 11/08/2021  | 2.5kg Remould @ NMC |
| MS\BH11                | B33                 | 8.70               | 8.70                 | 1.92                                | 1.60                               | 20                     | 11/08/2021  | 2.5kg Remould @ NMC |
| MS\BH13                | B19                 | 4.20               | 4.20                 | 1.81                                | 1.33                               | 36                     | 02/08/2021  | 2.5kg Remould @ NMC |
| MS\BH14                | B6                  | 1.20               | 1.20                 | 1.89                                | 1.55                               | 22                     | 30/07/2021  | 2.5kg Remould @ NMC |
| MS\BH15                | B10                 | 2.20               | 2.20                 | 2.48                                | 2.16                               | 15                     | 30/07/2021  | 2.5kg Remould @ NMC |
| MS\BH16                | B44                 | 10.20              | 10.20                | 1.94                                | 1.60                               | 21                     | 02/08/2021  | 2.5kg Remould @ NMC |
| MS\BH17                | B4                  | 0.50               | 0.50                 | 1.82                                | 1.64                               | 11                     | 02/08/2021  | 2.5kg Remould @ NMC |
| MS\BH17                | B22                 | 5.20               | 5.20                 | 1.99                                | 1.68                               | 18                     | 03/08/2021  | 2.5kg Remould @ NMC |

For description of sample please refer to the Laboratory Sample Description Sheet

|                                                                       |                    |
|-----------------------------------------------------------------------|--------------------|
| Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | Client :-<br>AECOM |
|-----------------------------------------------------------------------|--------------------|

|                                                                                     |                                                                                                  |                                  |                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------|
|  | Signed :-<br> | Name :-<br><b>M. SELKIRK</b>     | Page 1 of 2                        |
|                                                                                     | Date of issue :-<br>31/08/2021                                                                   | Certificate No :-<br>DENS/4339/1 | AEG Contract No. :-<br><b>4339</b> |



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## DETERMINATION OF DENSITY BY LINEAR MEASUREMENT

BS 1377 : Part 2 : Clause 7 : 1990

| Exploratory Hole No.:- | Sample Type & No.:- | Sample Depth (m):- | Specific Depth (m):- | Bulk Density (Mg/m <sup>3</sup> ):- | Dry Density (Mg/m <sup>3</sup> ):- | Moisture Content (%):- | Date Tested | Test Method         |
|------------------------|---------------------|--------------------|----------------------|-------------------------------------|------------------------------------|------------------------|-------------|---------------------|
| MSITP01                | B8                  | 1.40               | 1.40                 | 2.02                                | 1.79                               | 13                     | 13/08/2021  | 2.5kg Remould @ NMC |
| MSITP04                | B8                  | 1.40               | 1.40                 | 1.65                                | 1.51                               | 9.5                    | 10/08/2021  | 2.5kg Remould @ NMC |

For description of sample please refer to the Laboratory Sample Description Sheet

Contract Title :-

Preliminary Onshore Ground Investigation for NZT

Client :-

AECOM



Signed :-

[Redacted Signature]

Name :-

M. SELKIRK

Date of issue :-

31/08/2021

Certificate No :-

DENS/4339/2

AEG Contract No. :-

4339

Page 2 of 2





## Determination of Particle Density



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## DETERMINATION OF PARTICLE DENSITY

BS1377 : Part 2 : Clause 8.2 : 1990

| Exploratory Hole No. | Depth (m) | Sample Type & No. | Specific Depth (m) | Particle Density (Mg/m <sup>3</sup> ) | Date Tested |
|----------------------|-----------|-------------------|--------------------|---------------------------------------|-------------|
| LF\BH01              | 3.65      | B16               | 3.65               | 2.64                                  | 05/08/2021  |
| LF\BH02              | 4.20      | B14               | 4.20               | 2.61                                  | 05/08/2021  |
| MS\BH02              | 3.40      | B16               | 3.40               | 2.63                                  | 05/08/2021  |
| MS\BH02              | 5.70      | B24               | 5.70               | 2.66                                  | 01/09/2021  |
| MS\BH04              | 2.70      | B12               | 2.70               | 2.64                                  | 16/08/2021  |
| MS\BH04              | 4.95      | B18               | 4.95               | 2.70                                  | 25/08/2021  |
| MS\BH05              | 2.70      | J5                | 2.70               | 2.62                                  | 05/08/2021  |
| MS\BH06              | 1.20      | B32               | 1.20               | 2.69                                  | 16/08/2021  |
| MS\BH08              | 9.25      | B30               | 9.25               | 2.62                                  | 25/08/2021  |
| MS\BH09              | 1.95      | B9                | 1.95               | 2.35                                  | 16/08/2021  |
| MS\BH13              | 0.15      | B7                | 0.15               | 2.94                                  | 05/08/2021  |
| MS\BH13              | 4.20      | B19               | 4.20               | 2.52                                  | 05/08/2021  |
| MS\BH14              | 1.20      | B6                | 1.20               | 2.55                                  | 05/08/2021  |
| MS\BH15              | 2.20      | B10               | 2.20               | 2.96                                  | 05/08/2021  |
| MS\BH16              | 10.20     | B44               | 10.20              | 2.56                                  | 05/08/2021  |
| MS\BH17              | 0.50      | B4                | 0.50               | 2.50                                  | 04/08/2021  |
| MS\BH17              | 5.20      | B22               | 5.20               | 1.19                                  | 04/08/2021  |
| MS\TP01              | 1.40      | B8                | 1.40               | 2.60                                  | 16/08/2021  |
| MS\TP04              | 1.40      | B8                | 1.40               | 2.59                                  | 16/08/2021  |

For description of sample please refer to the Laboratory Sample Description Sheet

Contract Title :-

Preliminary Onshore Ground Investigation for NZT

Client :-

AECOM



Signed :-

[Redacted Signature]

Name :-

**M. SELKIRK**

Page 1 of 1

Date of issue :-

02/09/2021

Certificate No :-

PD/4339/1

AEG Contract No. :-

4339





## Particle Size Distribution Sieving and Sedimentation

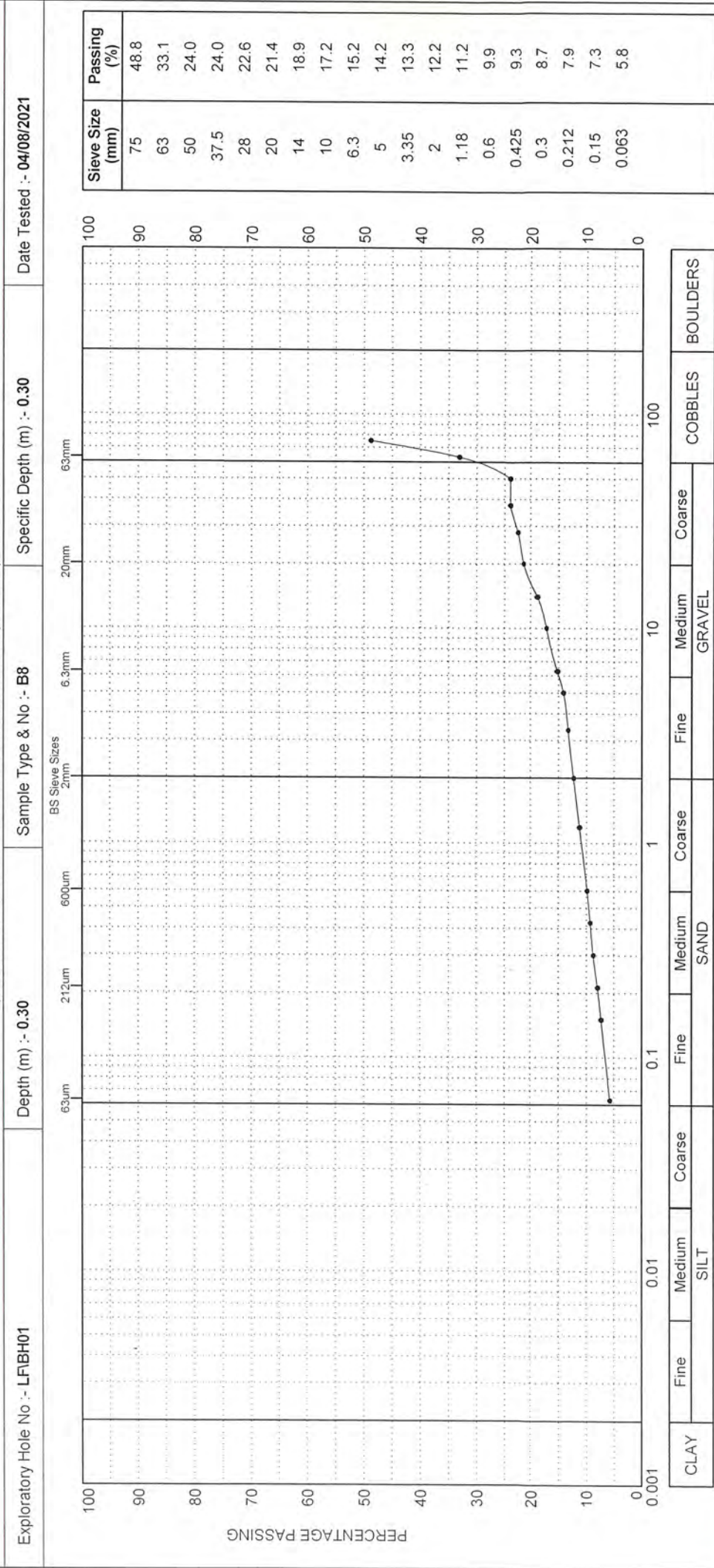


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990  
(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |                       |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|-----------------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH01/B8/0.30                         | Signature<br>[Redacted]    | Name :-<br>[Redacted] | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                       |             |





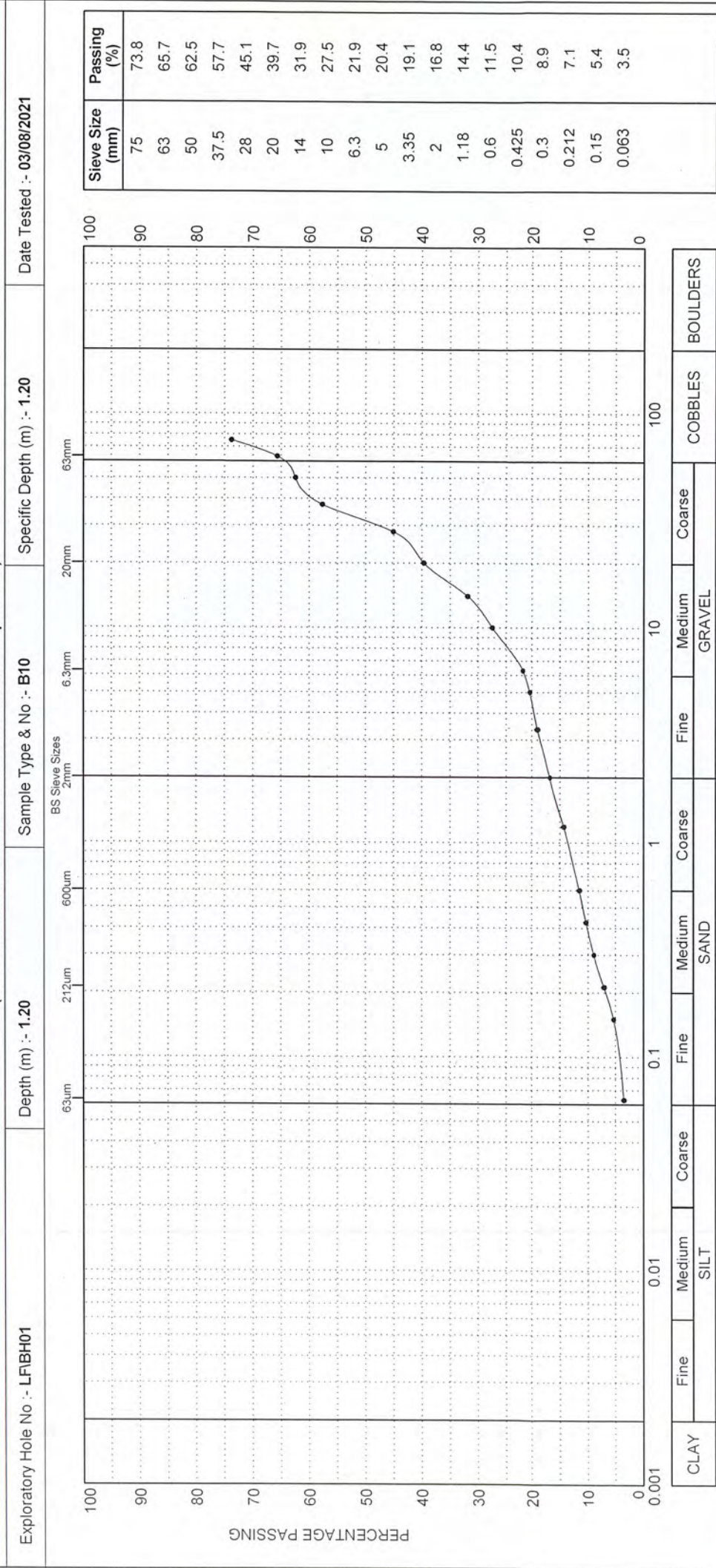
# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990

(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |  |             |                            |
|--|--------------------------------|-----------------------------------------------------------------------|--|-------------|----------------------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH01/B10/1.20                        |  | Name :-<br> | Page 1 of 1                |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT |  |             | AEG Contract No :-<br>4339 |



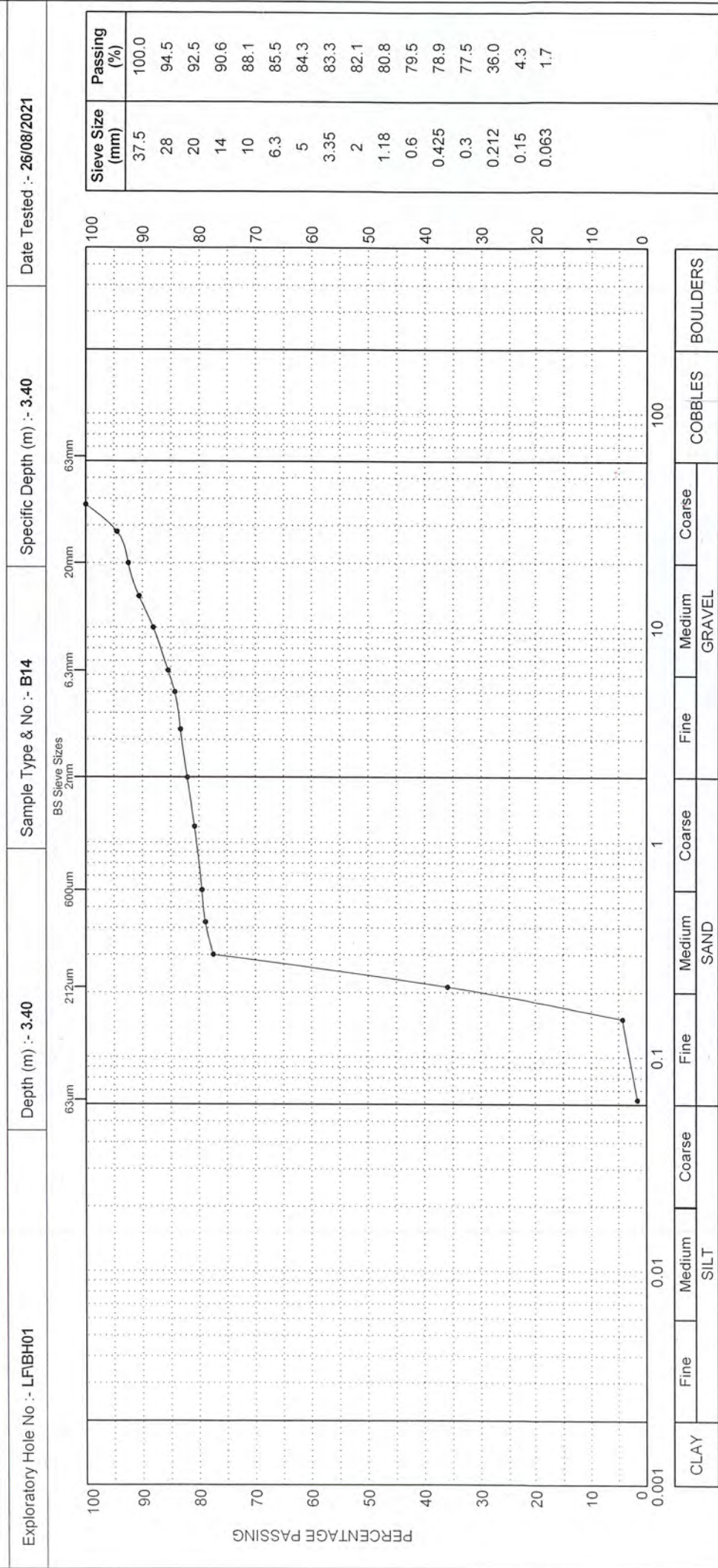


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|                     |                             |                                                                    |  |  |
|---------------------|-----------------------------|--------------------------------------------------------------------|--|--|
|                     | Date of issue :- 02/09/2021 | Certificate No :- PSD/4339/LF1BH01/B14/3.40                        |  |  |
|                     | Client :- AECOM             | Contract Title :- Preliminary Onshore Ground Investigation for NZT |  |  |
| Signed :-           |                             | Page 1 of 1                                                        |  |  |
| Contract No :- 4339 |                             | AEG Contract No :- 4339                                            |  |  |

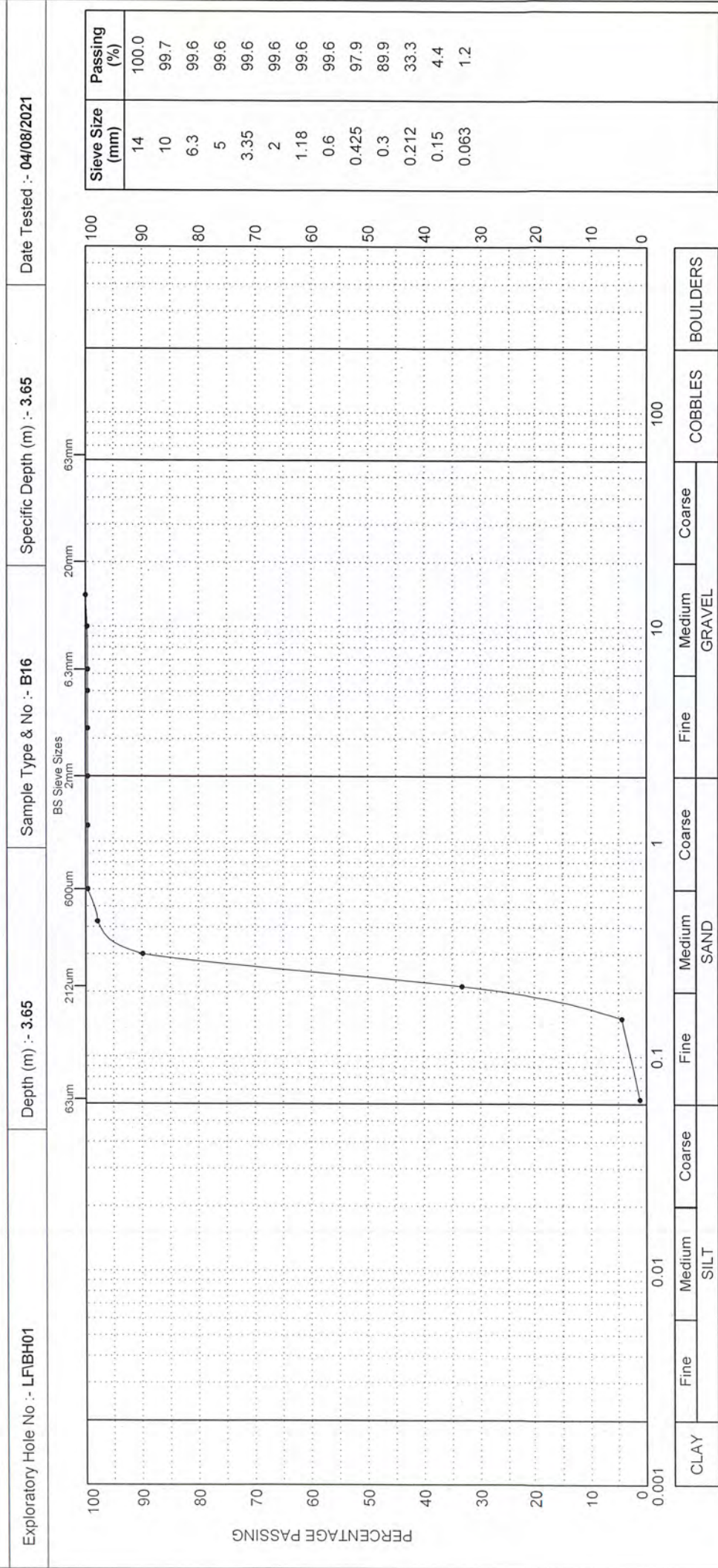


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|                                |                                                                       |                            |                       |             |
|--------------------------------|-----------------------------------------------------------------------|----------------------------|-----------------------|-------------|
| Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH01/B16/3.65                        | Signed :-<br>[Redacted]    | Name :-<br>[Redacted] | Page 1 of 1 |
| Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                       |             |



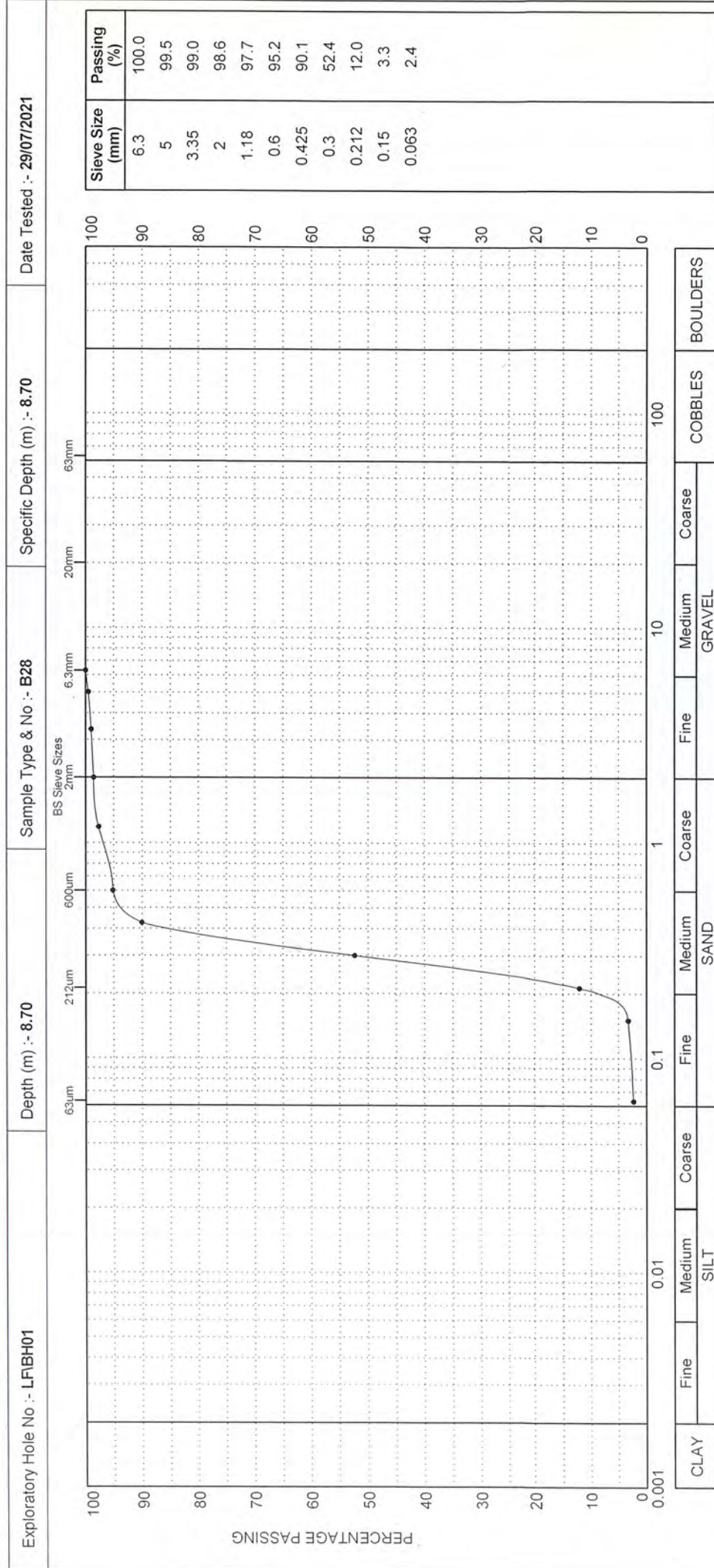


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

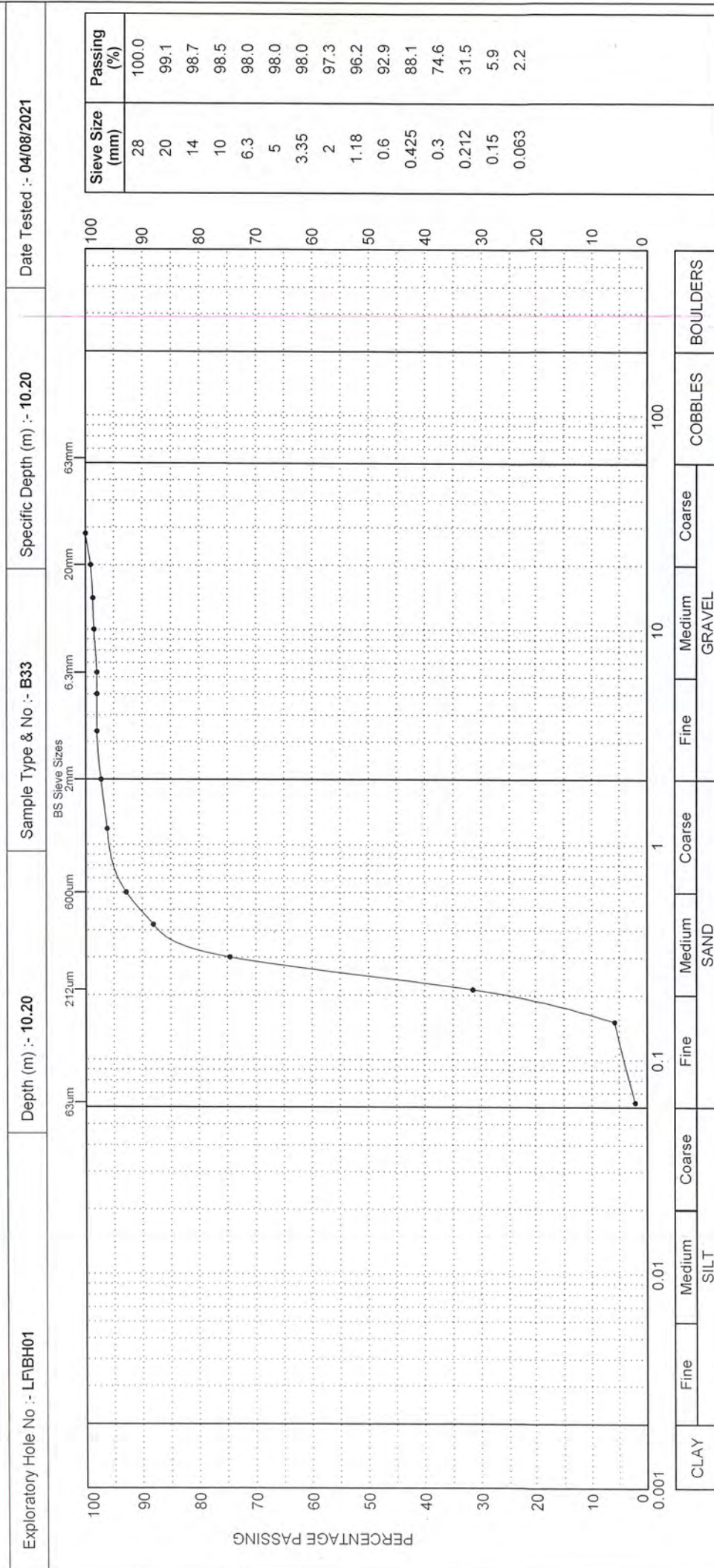
|  |                                |                                                                       |                            |                        |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|------------------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH01/B28/8.70                        | Signed :-<br>[Redacted]    | Name :-<br>M. SELVARAJ | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                        |             |

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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |  |                            |
|--|--------------------------------|-----------------------------------------------------------------------|--|----------------------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH01/B33/10.20                       |  | Page 1 of 1                |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT |  | AEG Contract No :-<br>4339 |





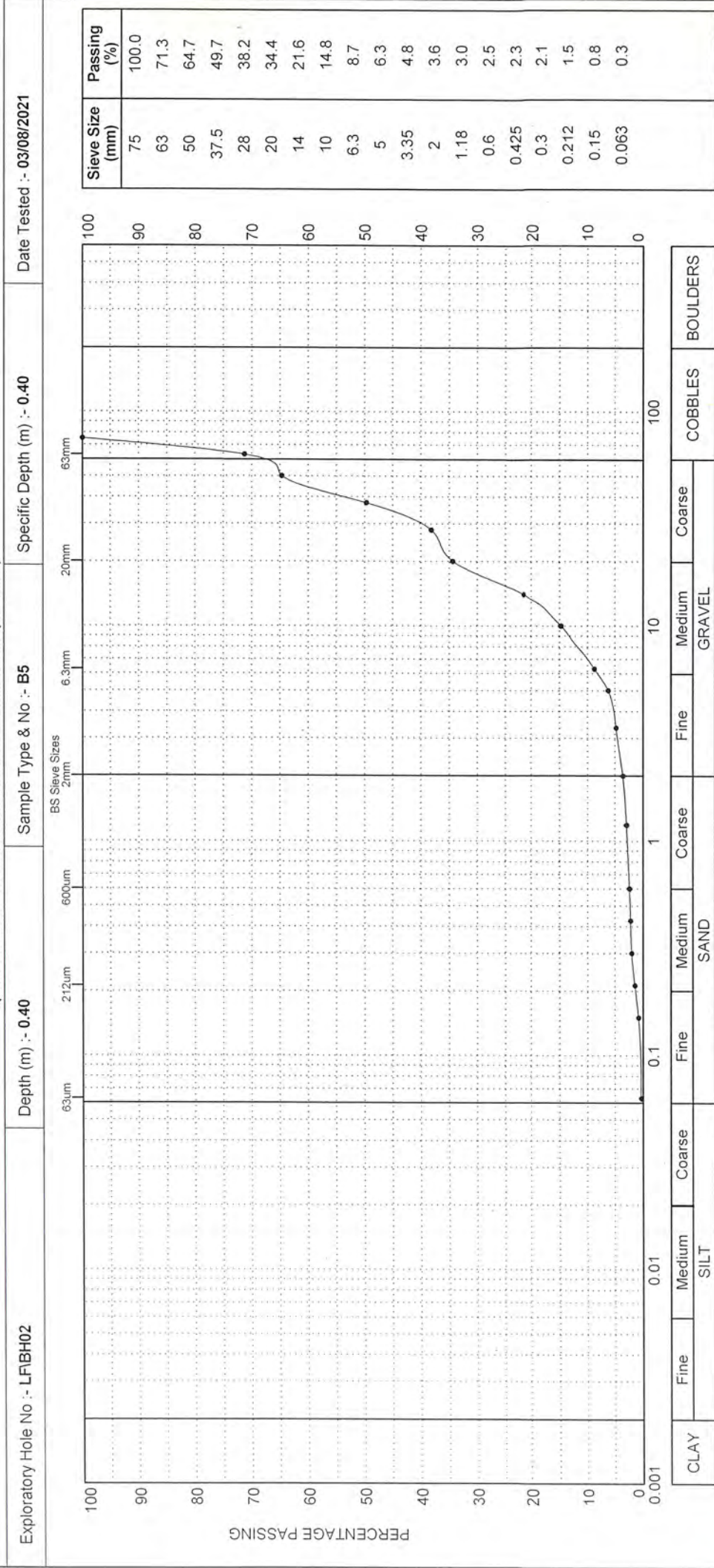
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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990

(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                             |                                                                    |  |                      |                                        |
|--|-----------------------------|--------------------------------------------------------------------|--|----------------------|----------------------------------------|
|  | Date of issue :- 19/08/2021 | Certificate No :- PSD/4339/LF1BH02/B5/0.40                         |  | Name :-<br>Signed :- | Page 1 of 1<br>AEG Contract No :- 4339 |
|  | Client :- AECOM             | Contract Title :- Preliminary Onshore Ground Investigation for NZT |  |                      |                                        |

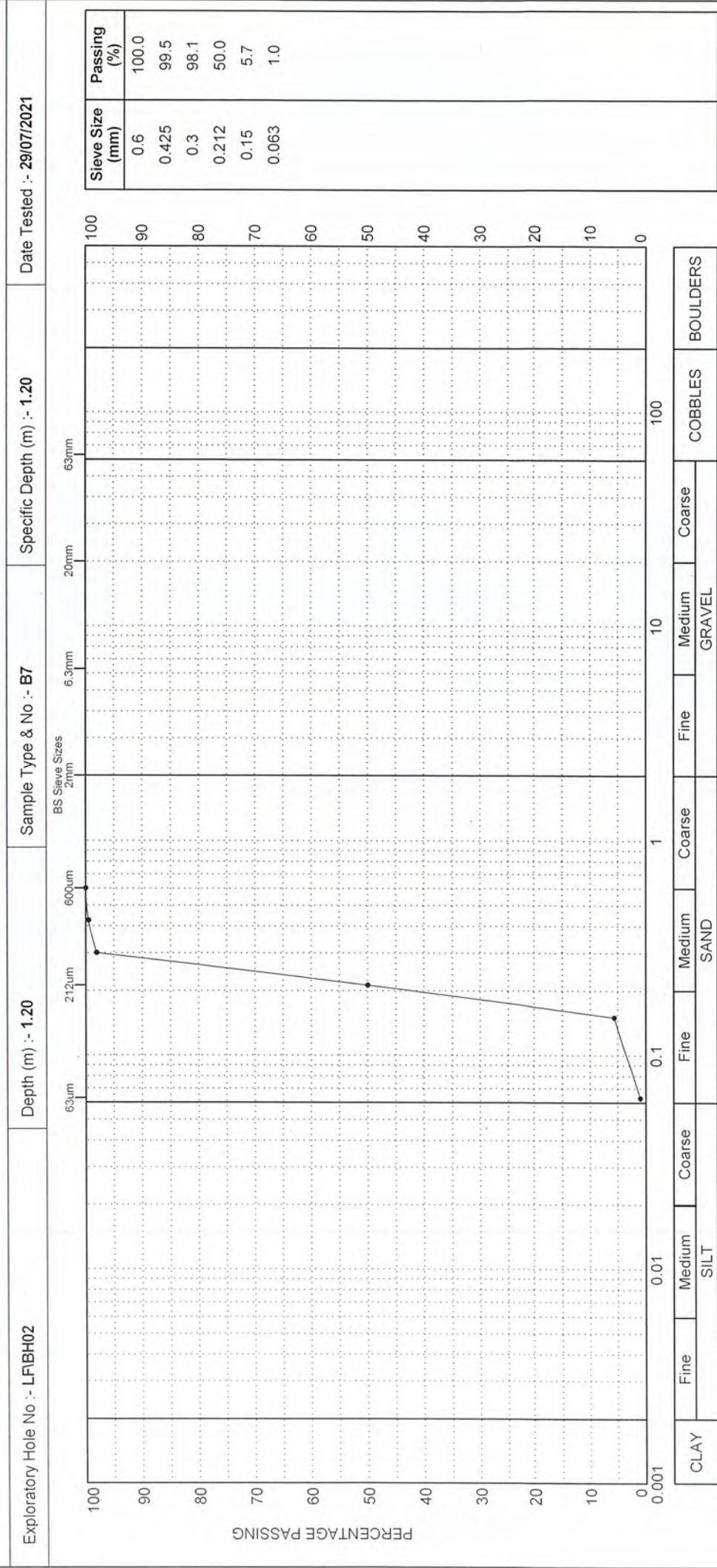


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Regional Office: Unit 20 Business Development Centre, Easing Wharf, Blackburn, BB1 5BL - Tel: 01772 735 300 Fax: 01772 735 999

## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|                                |                                                                       |                            |                        |                      |
|--------------------------------|-----------------------------------------------------------------------|----------------------------|------------------------|----------------------|
| Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH02/B7/1.20                         | Signed :-<br>[Redacted]    | Name :-<br>M. SELVARAJ | Page 1 of 1          |
| Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                        | UKAS TESTING<br>1367 |

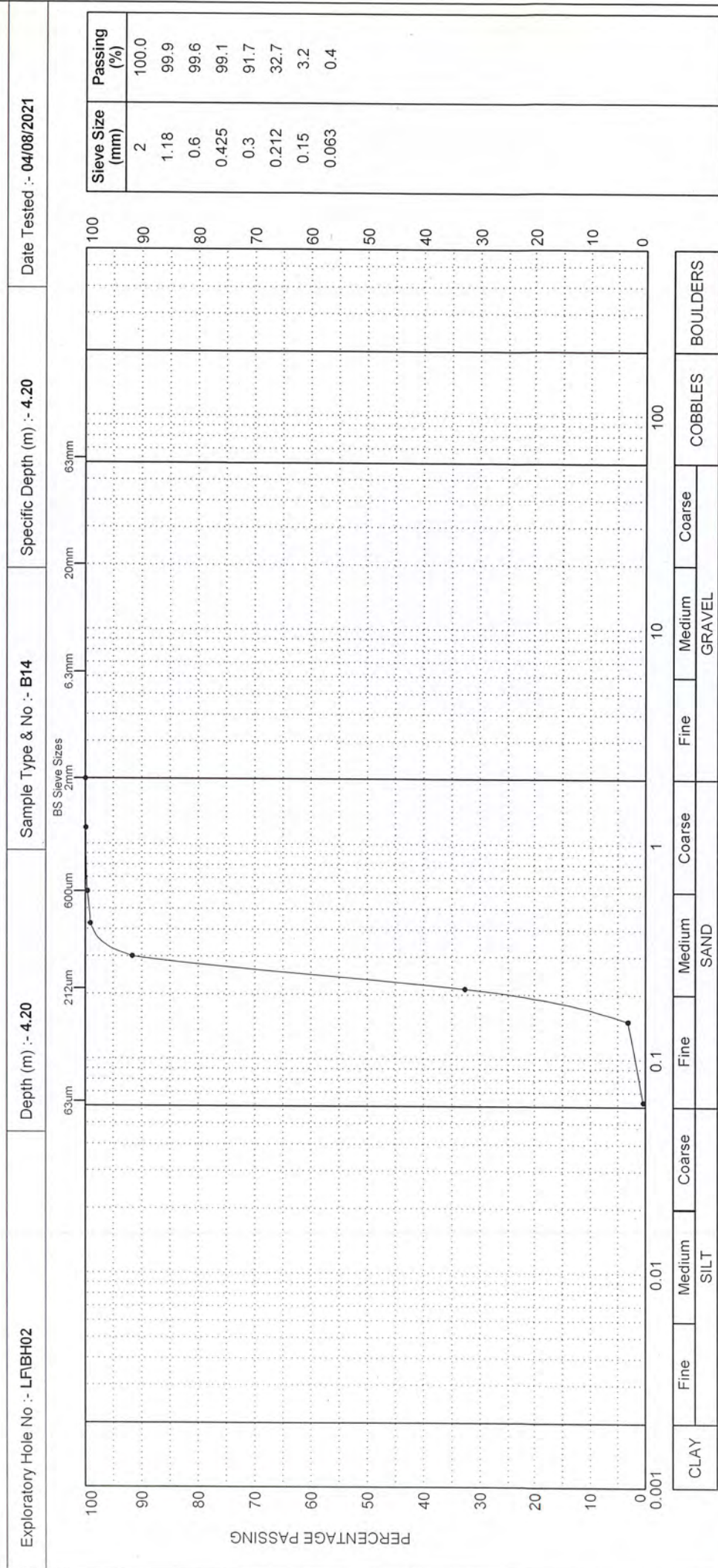


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |             |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|-------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1BH02/B14/4.20                        | Signed :-<br>              | Name :-<br> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |             |             |



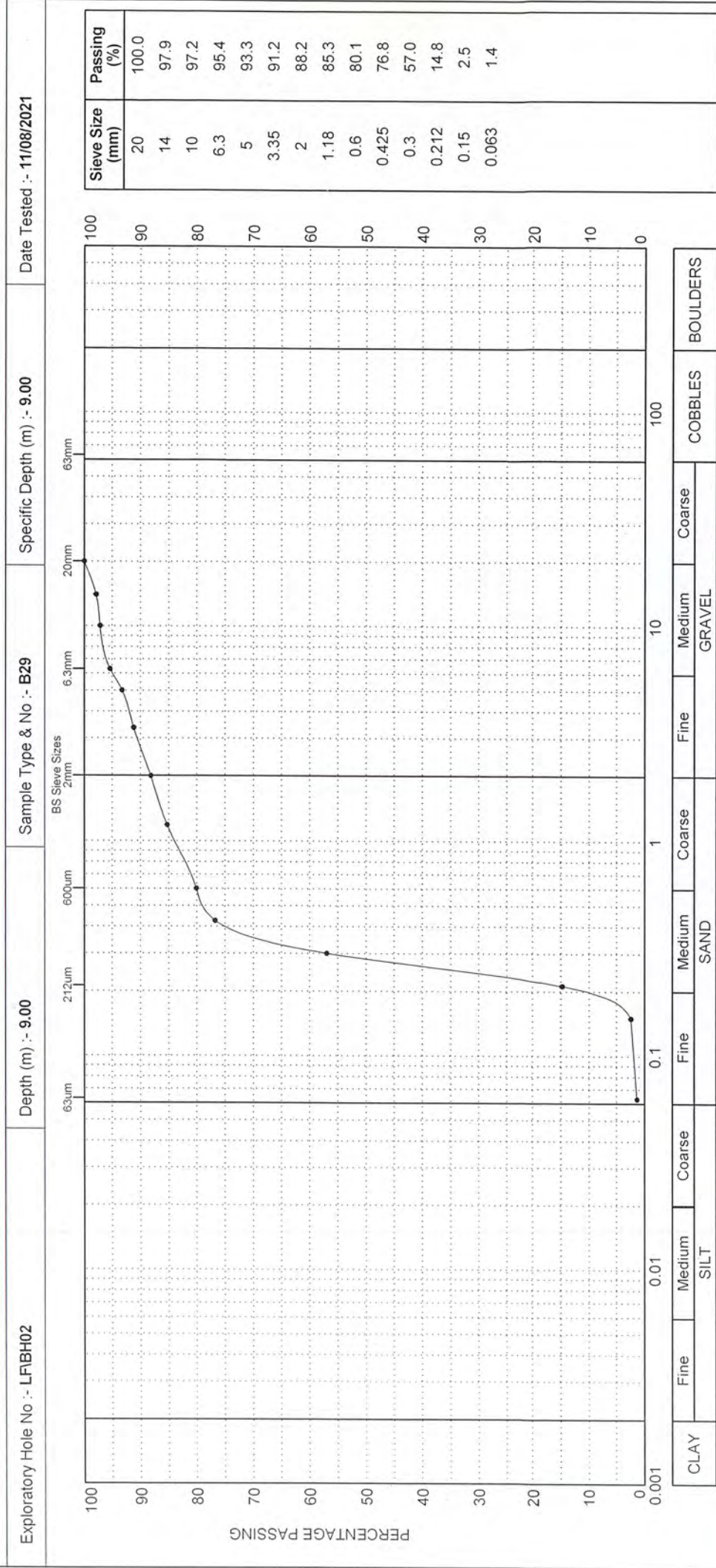


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



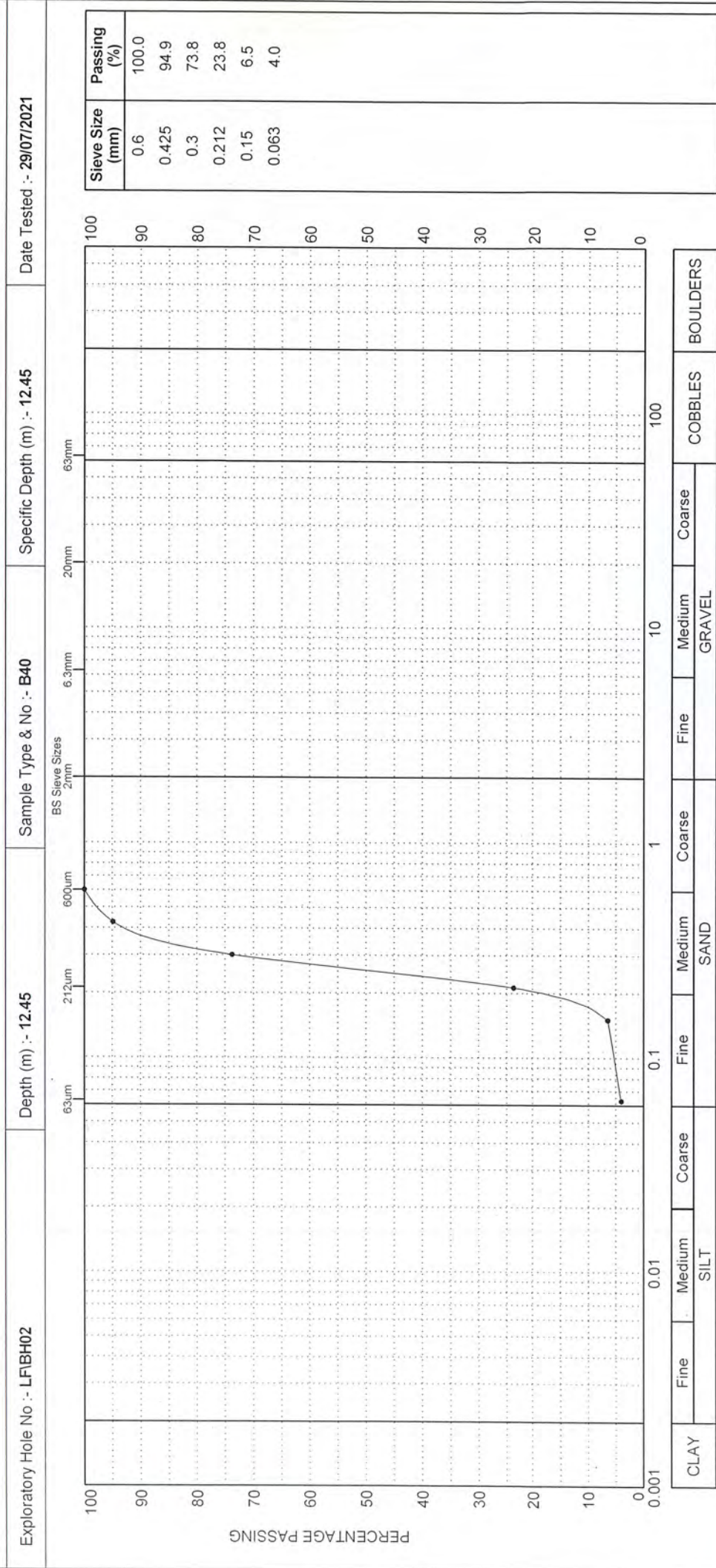


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

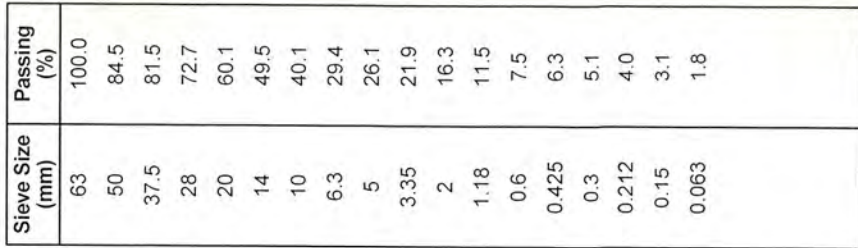
| Date of issue :- | Certificate No :-                                | Signed :-          | Name :-     | Page 1 of 1 |
|------------------|--------------------------------------------------|--------------------|-------------|-------------|
| 19/08/2021       | PSD/4339/LF1BH02/B40/12.45                       |                    | M. SELVARAJ |             |
| Client :-        | Contract Title :-                                | AEG Contract No :- |             |             |
| AECOM            | Preliminary Onshore Ground Investigation for NZT | 4339               |             |             |



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BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990  
 (Test deviated from standard due to insufficient sample mass)

Date Tested :- 09/08/2021



For description of sample please refer to the Laboratory Sample Description Sheet

PSD/4339/LF\TP01/B8/1.80

Signed \_\_\_\_\_

Name :-

Page 1 of 1

**Client :-**

AECOM

Contract Title :-

## Preliminary Onshore Ground Investigation for NZT

AEG Contract No :-  
4339





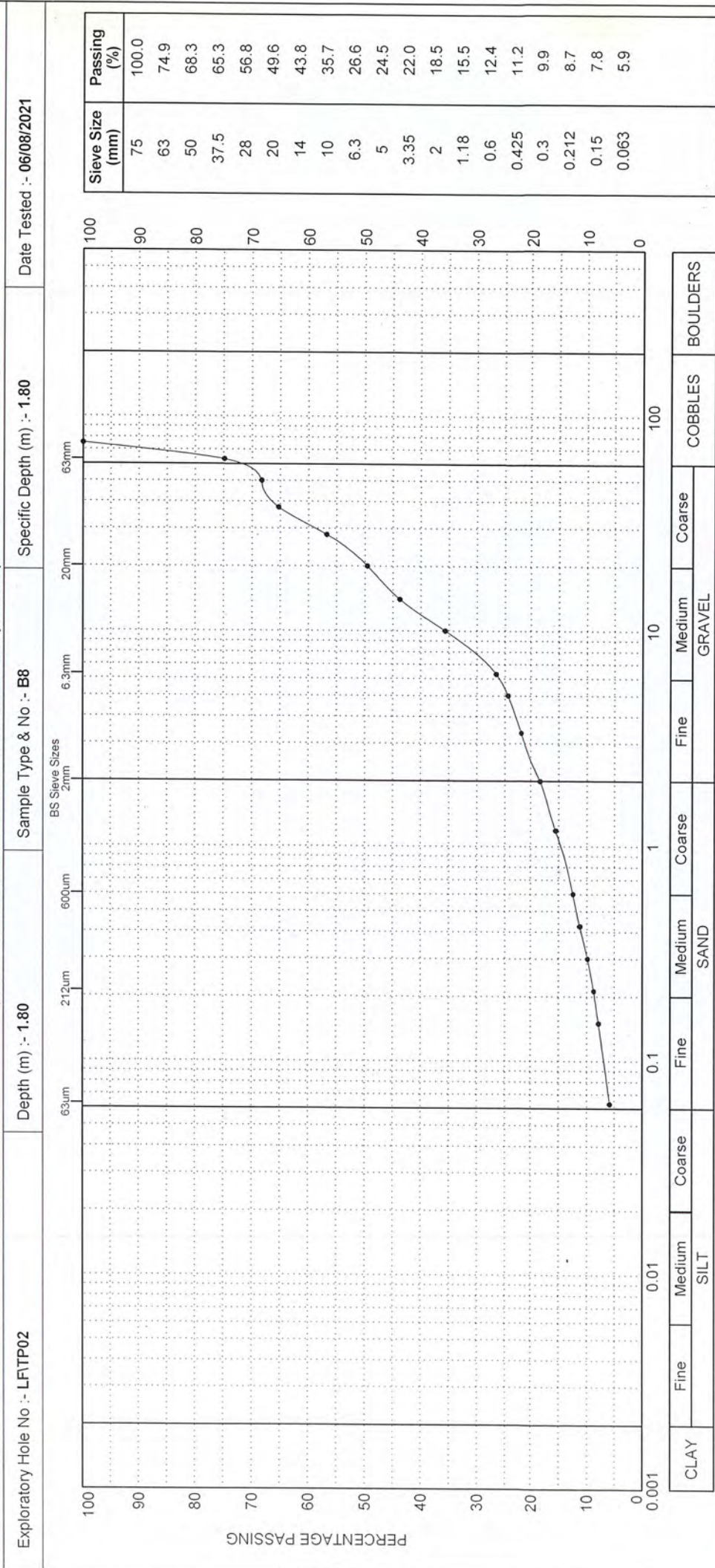
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Regional Office: Unit 20, Business Development Centre, Easingham Wharf, Blackburn, BB1 5BL. Tel: 01772 735 300 Fax: 01772 735 999

## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990

(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |  |             |               |             |
|--|--------------------------------|-----------------------------------------------------------------------|--|-------------|---------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LFTP02/B8/1.80                          |  | Name :-<br> | Signed :-<br> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT |  |             |               |             |



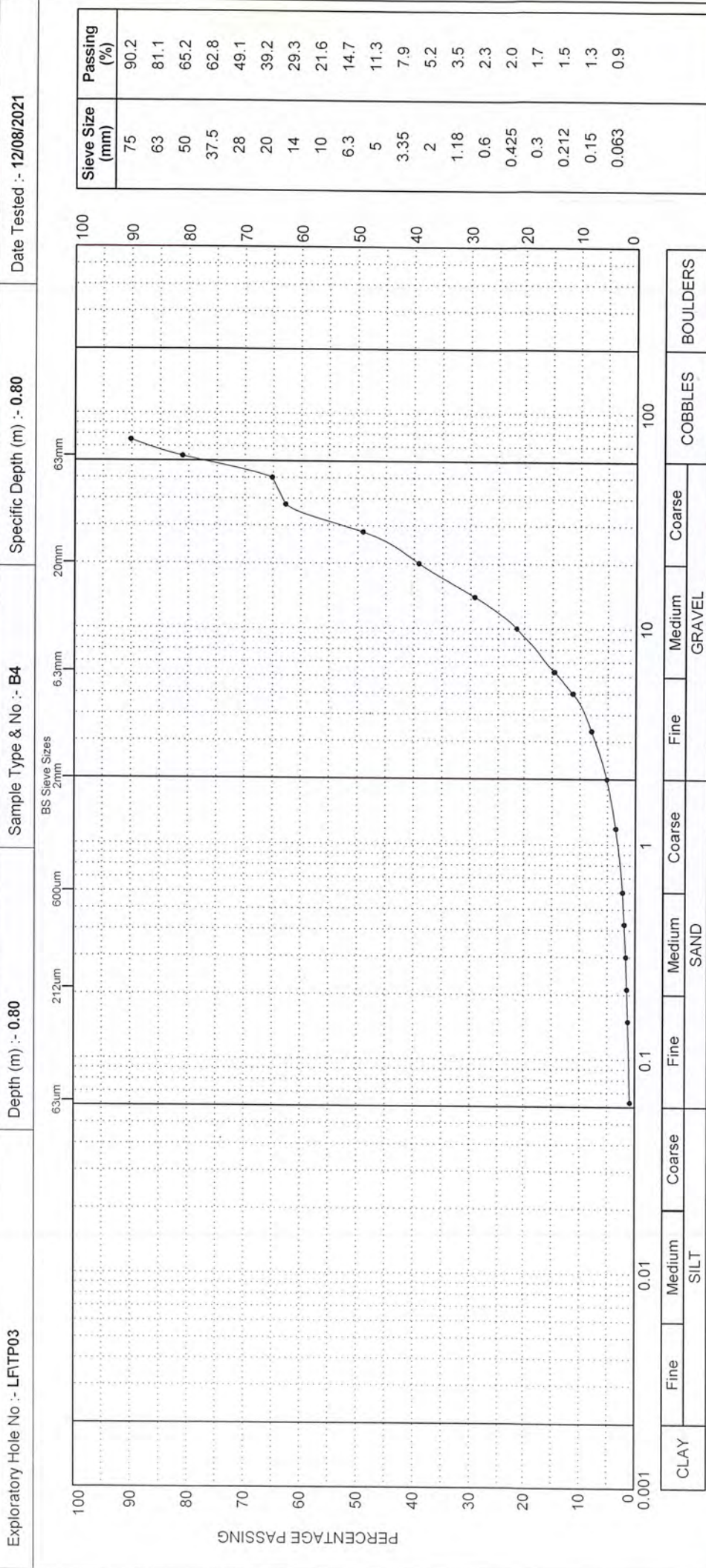


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990  
(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |                      |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|----------------------|-------------|
|  | Date of issue :-<br>20/08/2021 | Certificate No :-<br>PSD/4339/LFTP03/B4/0.80                          | Signed :-<br>[Redacted]    | Name :-<br>M. SELLER | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                      |             |





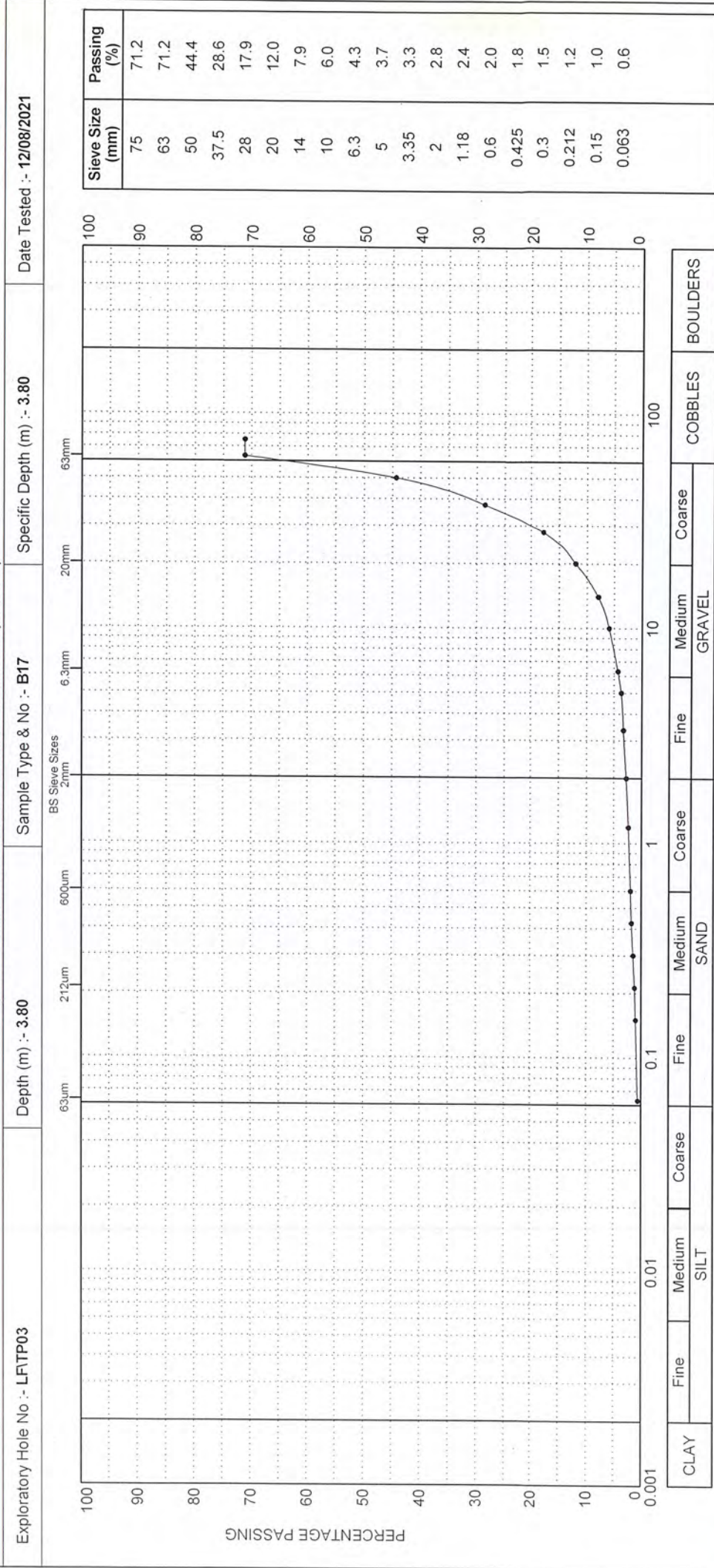
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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990

(Test deviated from standard due to insufficient sample mass)



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |             |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|-------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/LF1TP03/B17/3.80                        | Signed :-<br>              | Name :-<br> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |             |             |





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## BS1377 : Part 2 : Clause 9.2 &amp; 9.4 : 1990

For description of sample please refer to the Laboratory Sample Description Sheet

Page 1 of 1

Preliminary Onshore Ground Investigation for NZT

AEG Contract No :-  
4339



1367



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## BS1377 : Part 2 : Clause 9.2 &amp; 9.4 : 1990

For description of sample please refer to the Laboratory Sample Description Sheet

19/08/2021

Certificate No :-

PSD/4339/MS\BH02/B16/3.40

Signed :-

Name: -

Page 1 of 1

Client :-

AECOM

Contract Title :-

Preliminary Onshore Ground Investigation for NZT

AEG Contract No :-



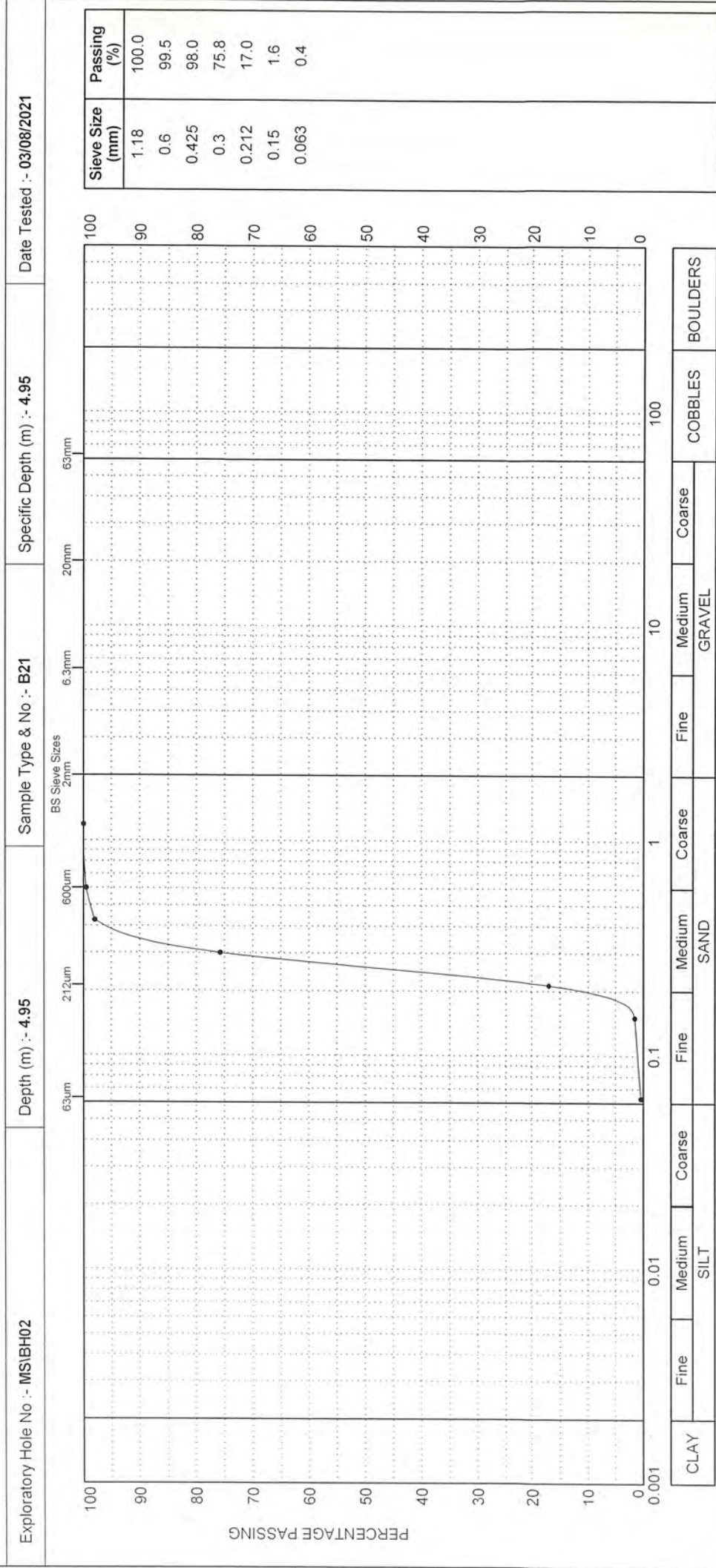
1367

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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |  |  |
|--|--------------------------------|-----------------------------------------------------------------------|--|--|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MS\BH02/B21/4.95                        |  |  |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT |  |  |

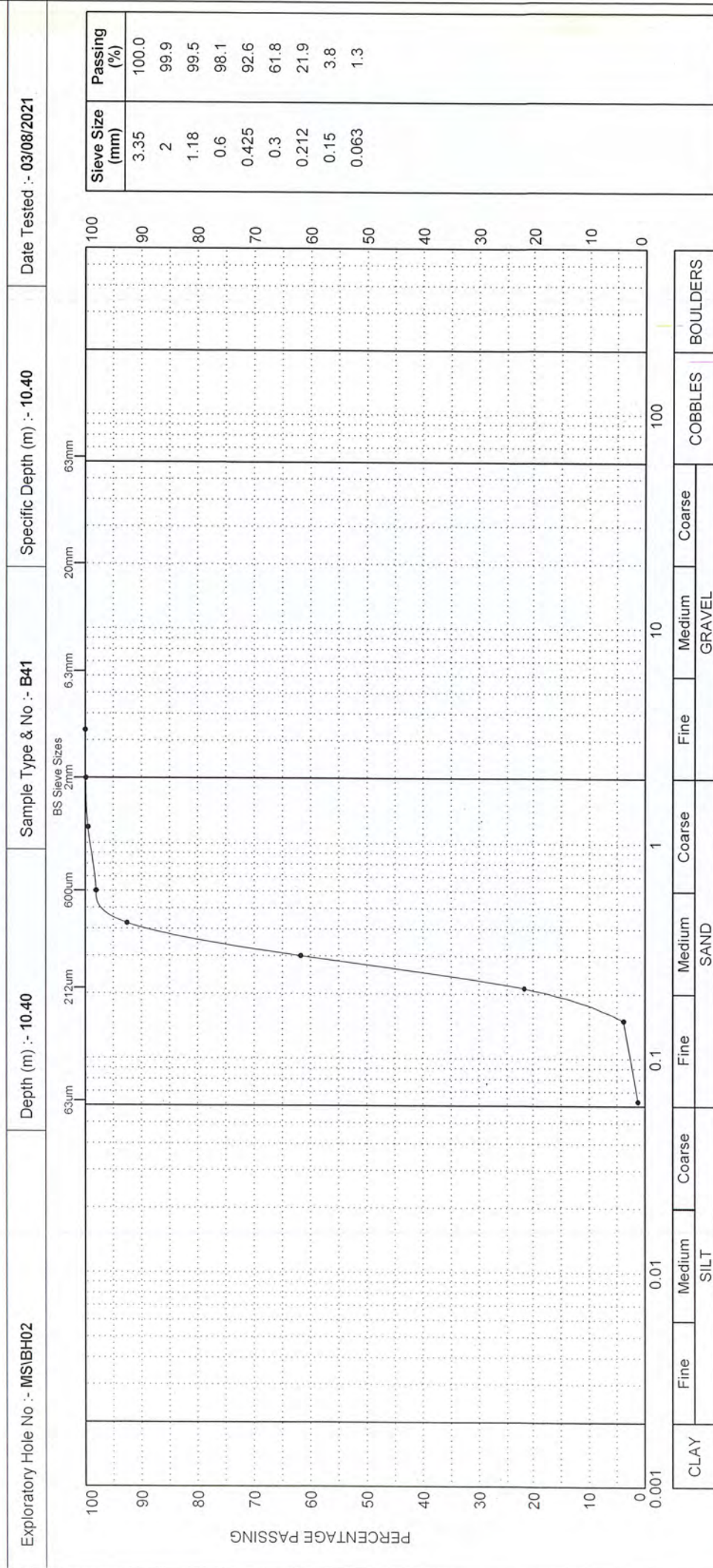


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Head Office: Unit 25, Stables, Gail Industrial Estate, Perton, Staffs, ST19 4JG. Tel: 0191 387 4700 Fax: 0191 387 4710  
Regional Office: Unit 20, Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL. Tel: 01772 735 300 Fax: 01772 735 999

## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |                              |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|------------------------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MS\BH02/B41/10.40                       | Signed :-<br>              | Name :-<br><b>M. SELKIRK</b> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                              |             |



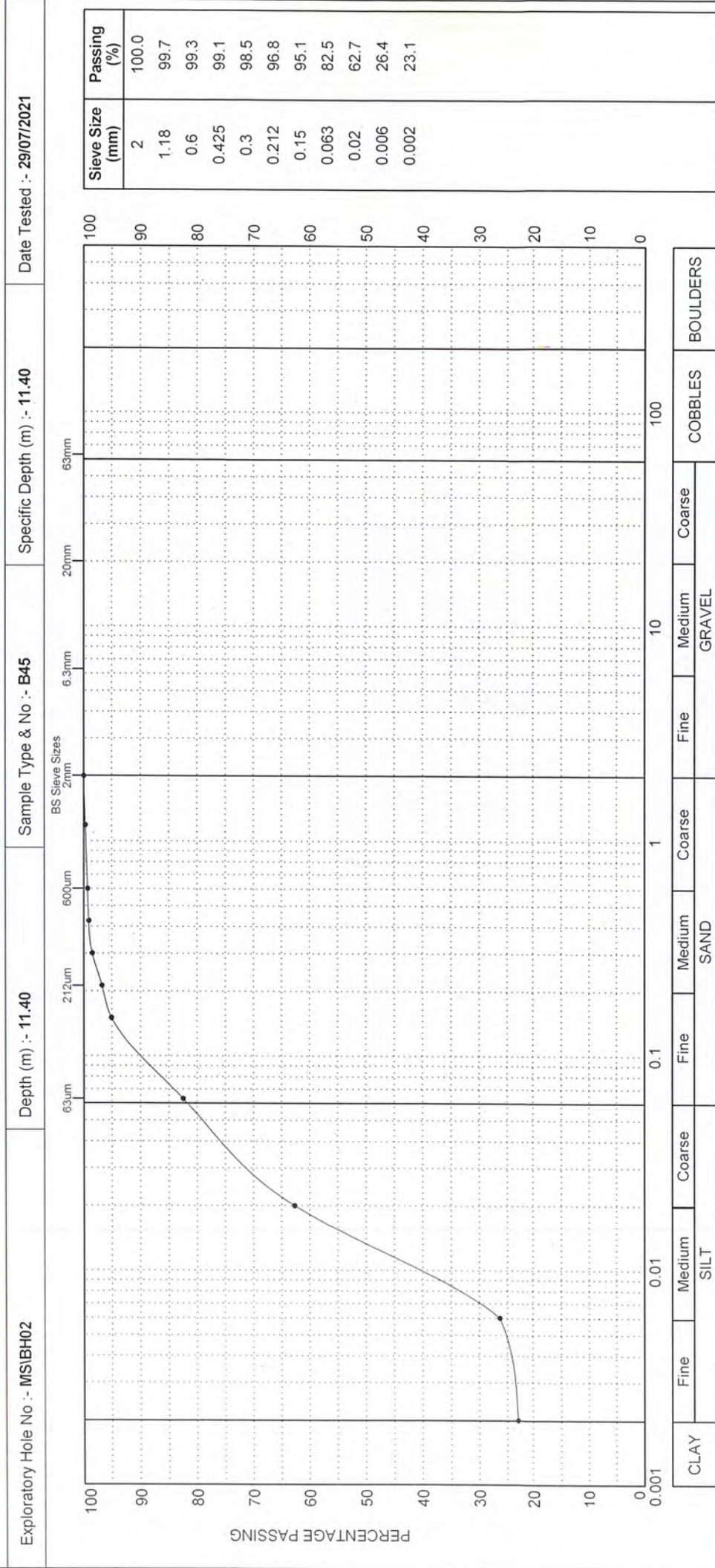


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |                              |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|------------------------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MSIBH02/B45/11.40                       | Signed :-<br>              | Name :-<br><b>M. SELKIRK</b> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                              |             |



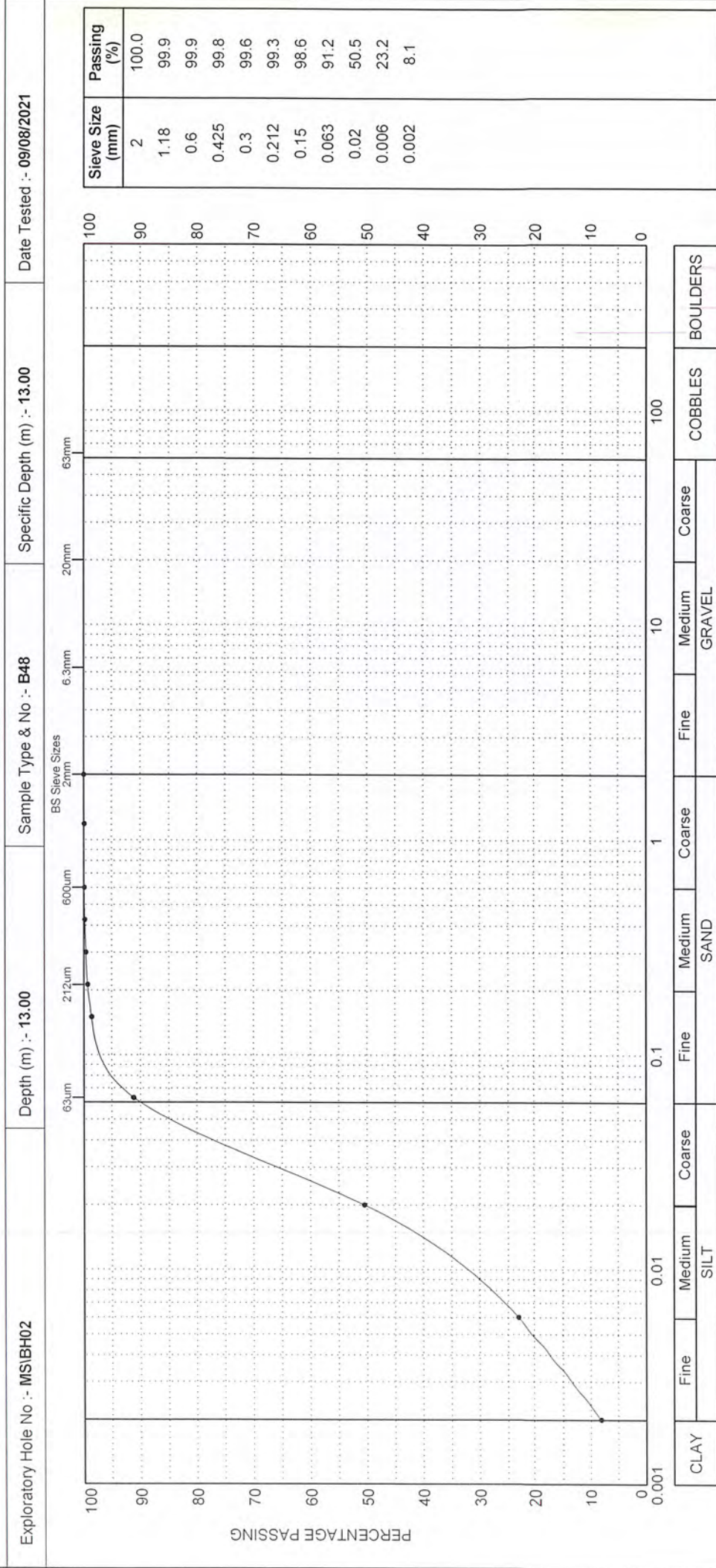


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

| Date of issue :- |  | Certificate No :-          |  | Signed :-                                        |  | Name :- |  | Page 1 of 1             |  |
|------------------|--|----------------------------|--|--------------------------------------------------|--|---------|--|-------------------------|--|
| 20/08/2021       |  | PSD/4339/MS/BH02/B48/13.00 |  |                                                  |  |         |  | AEG Contract No :- 4339 |  |
| Client :-        |  | Contract Title :-          |  | Preliminary Onshore Ground Investigation for NZT |  |         |  |                         |  |
| AECOM            |  |                            |  |                                                  |  |         |  |                         |  |



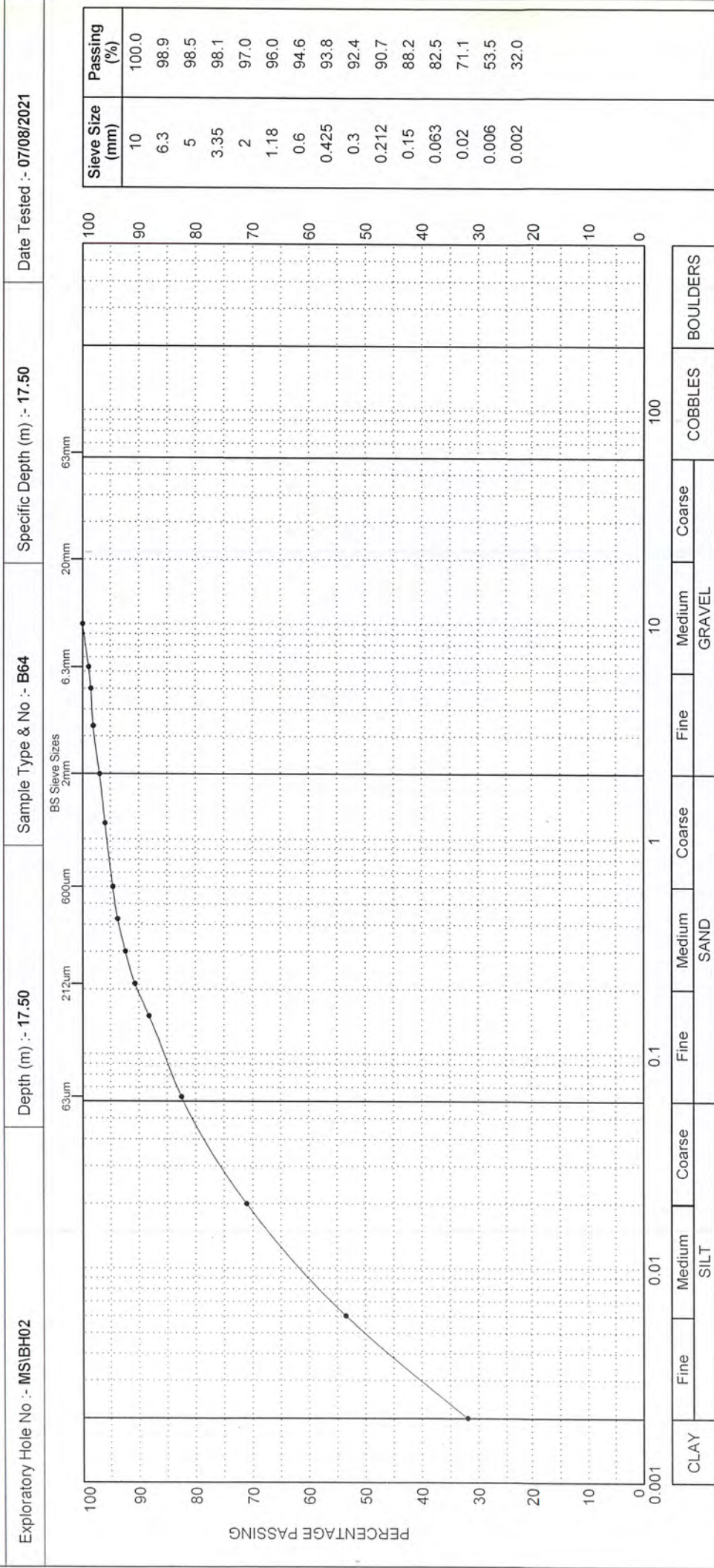


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |             |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|-------------|-------------|
|  | Date of issue :-<br>20/08/2021 | Certificate No :-<br>PSD/4339/MSIBH02/B64/17.50                       | Signed :-<br>              | Name :-<br> | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |             |             |



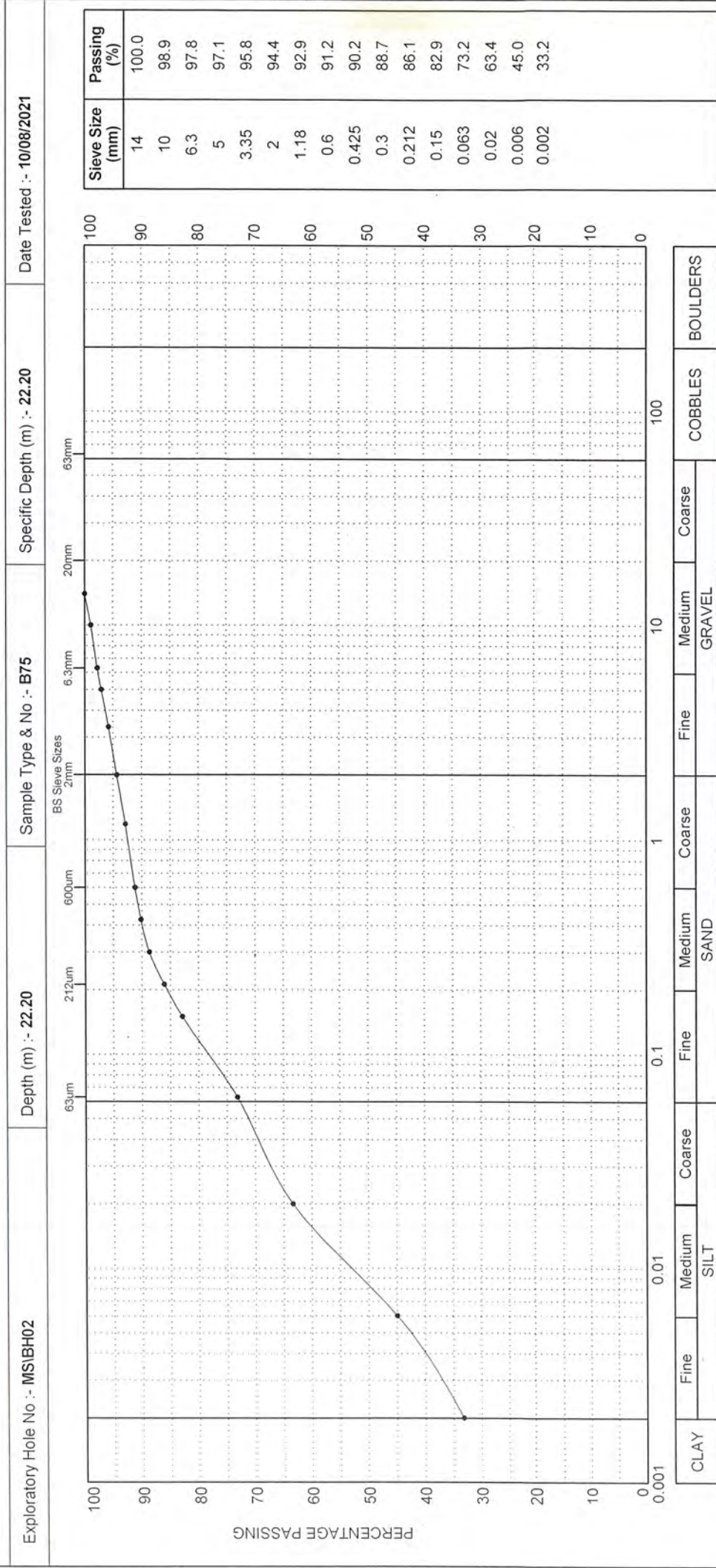


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                             |                                                                    |  |                         |
|--|-----------------------------|--------------------------------------------------------------------|--|-------------------------|
|  | Date of issue :- 31/08/2021 | Certificate No :- PSD/4339/MS1BH02/B75/22.20                       |  | Page 1 of 1             |
|  | Client :- AECOM             | Contract Title :- Preliminary Onshore Ground Investigation for NZT |  | AEG Contract No :- 4339 |

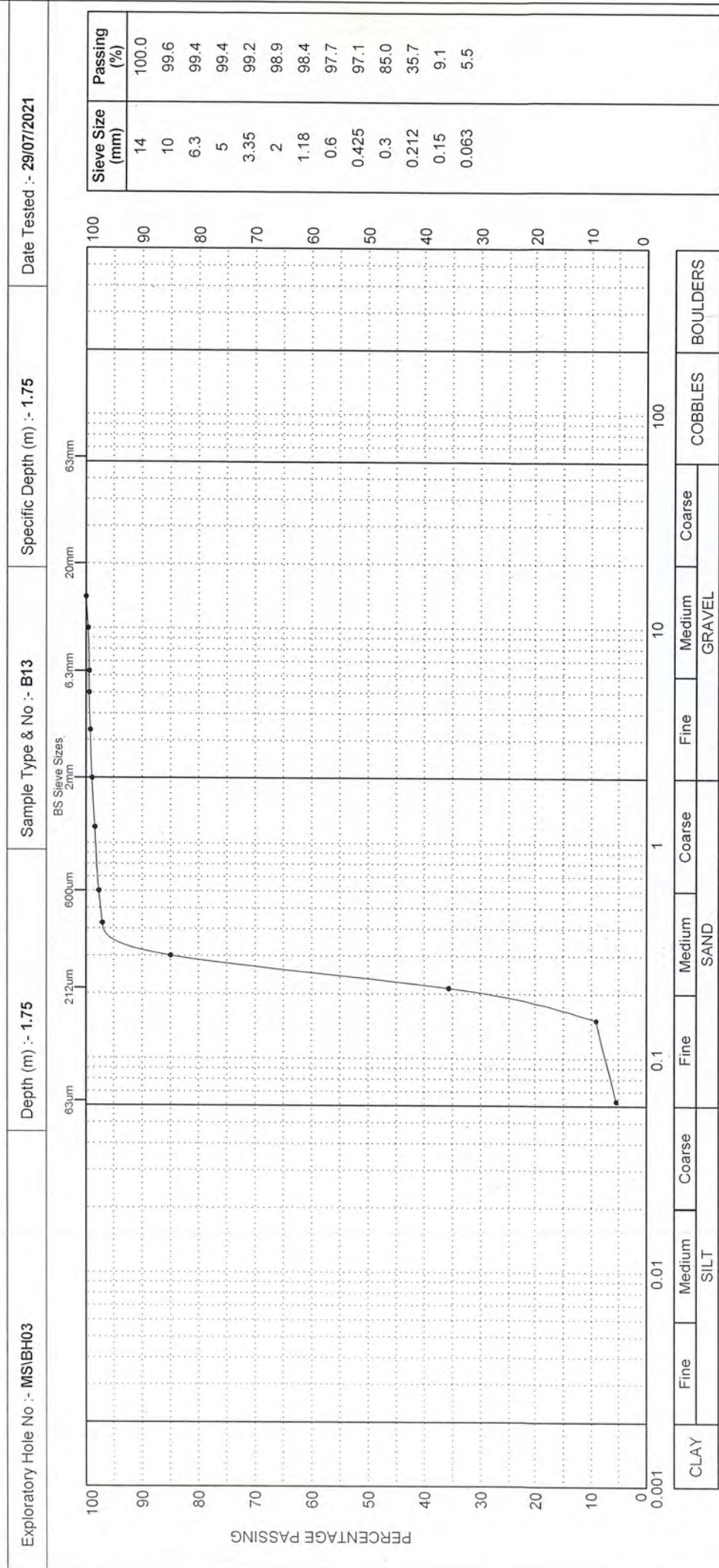


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                                |                                                                       |                            |                       |             |
|--|--------------------------------|-----------------------------------------------------------------------|----------------------------|-----------------------|-------------|
|  | Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MSIBH03/B13/1.75                        | Signed :-<br>[Redacted]    | Name :-<br>M. SELKIRK | Page 1 of 1 |
|  | Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                       |             |



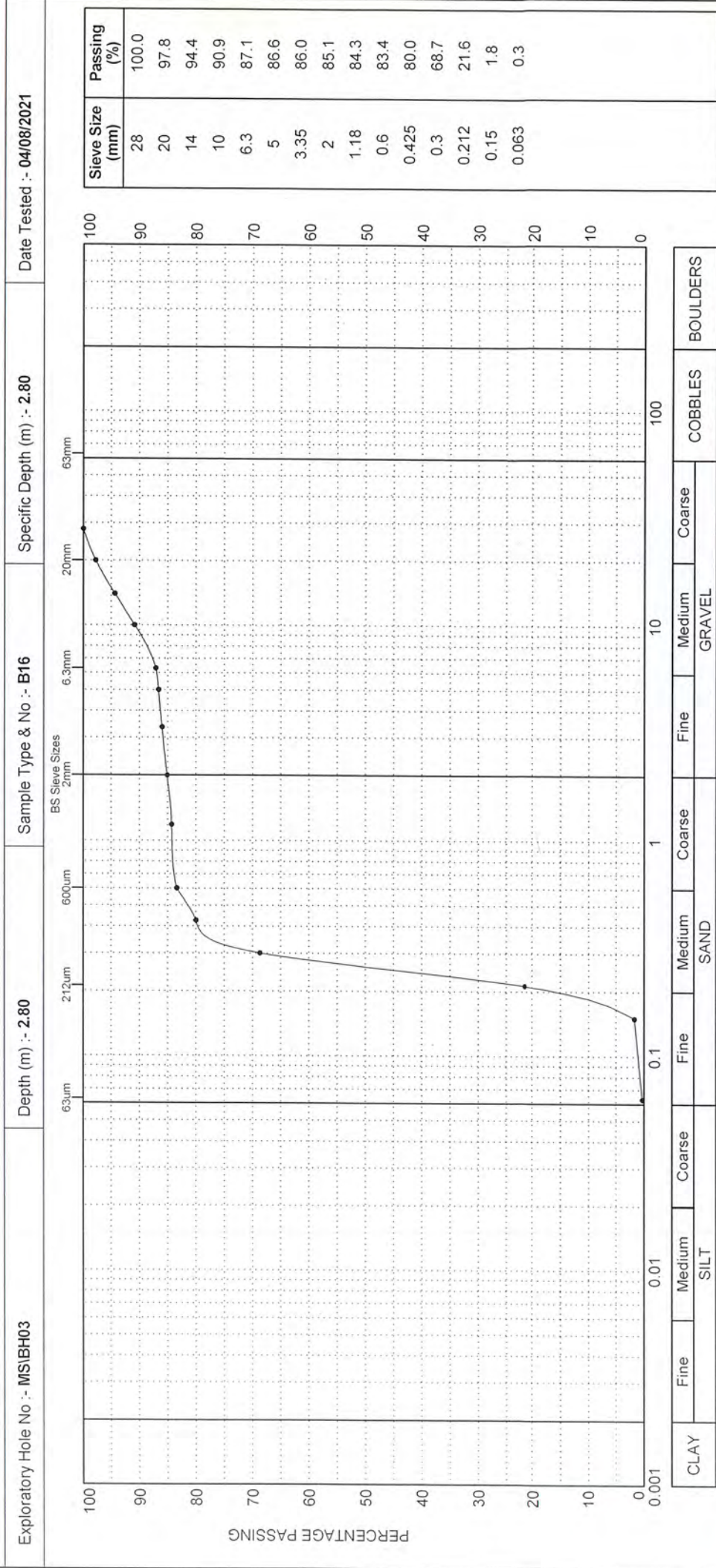


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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



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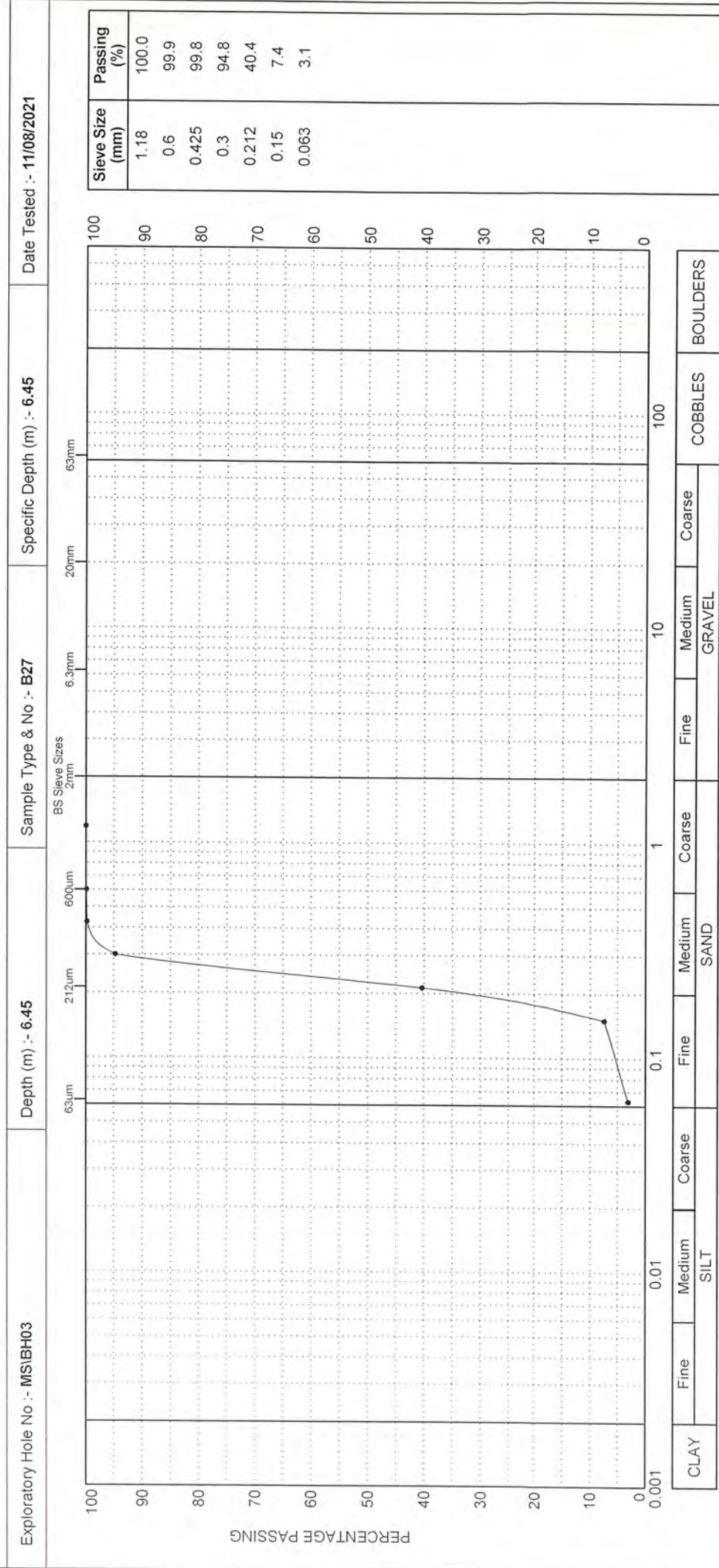
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| Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MSIBH03/B16/2.80                        | Signed<br>[Redacted]       | Name :-<br>[Redacted] | Page 1 of 1          |
| Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                       | UKAS TESTING<br>1367 |

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## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|                                |                                                                       |                            |                       |             |
|--------------------------------|-----------------------------------------------------------------------|----------------------------|-----------------------|-------------|
| Date of issue :-<br>19/08/2021 | Certificate No :-<br>PSD/4339/MSIBH03/B27/6.45                        | Signed :-<br>[Redacted]    | Name :-<br>[Redacted] | Page 1 of 1 |
| Client :-<br>AECOM             | Contract Title :-<br>Preliminary Onshore Ground Investigation for NZT | AEG Contract No :-<br>4339 |                       |             |



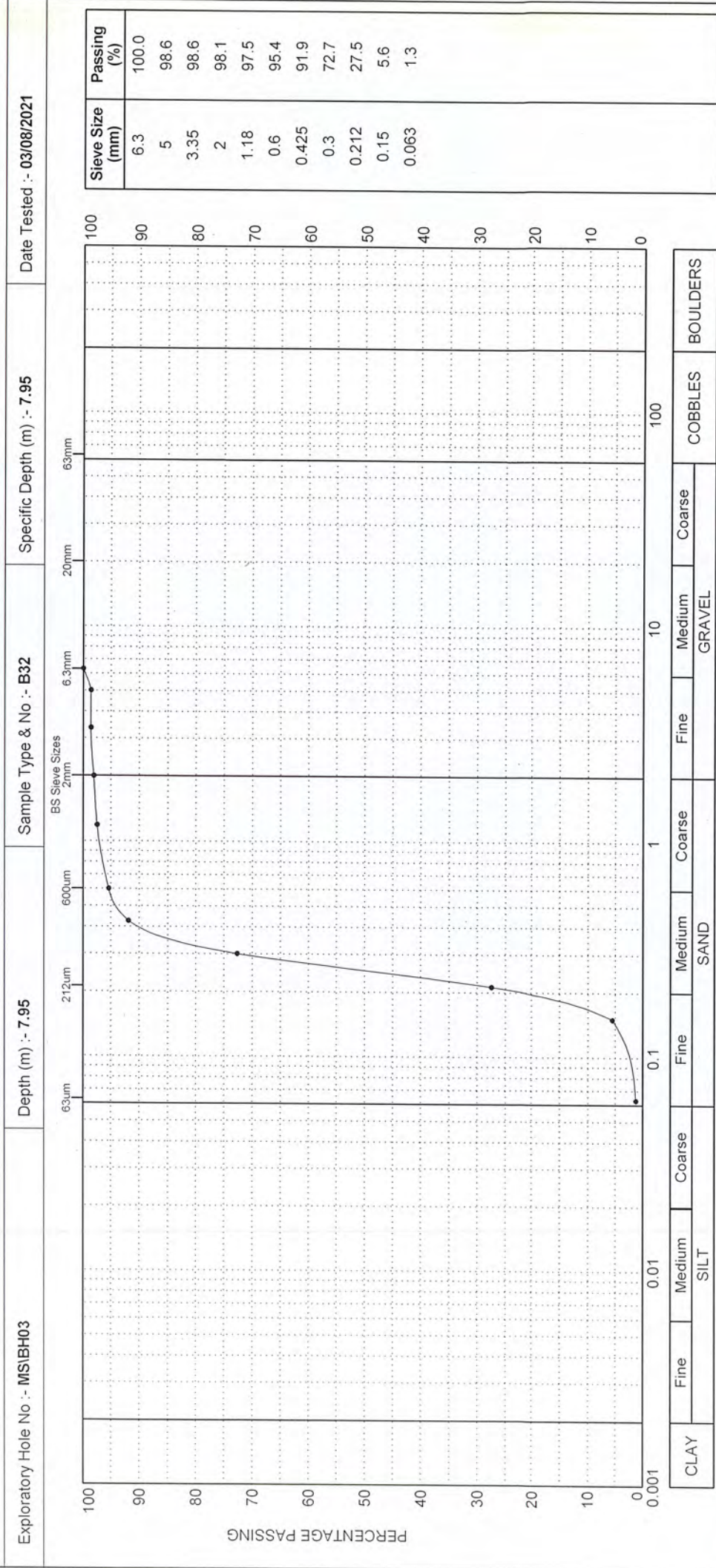


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Regional Office: Unit 20, Business Development Centre, Easingwold, Yorks, YO21 2EX. Tel: 01752 735 999 Fax: 01752 735 999

## PARTICLE SIZE DISTRIBUTION

BS1377 : Part 2 : Clause 9.2 & 9.4 : 1990



For description of sample please refer to the Laboratory Sample Description Sheet

|  |                  |            |                   |                                                  |                |            |                         |           |             |
|--|------------------|------------|-------------------|--------------------------------------------------|----------------|------------|-------------------------|-----------|-------------|
|  | Date of issue :- | 19/08/2021 | Certificate No :- | PSD/4339/MSIBH03/B32/7.95                        | Signed :-      | [Redacted] | Name :-                 | M. SAKHAK | Page 1 of 1 |
|  | Client :-        | AECOM      | Contract Title :- | Preliminary Onshore Ground Investigation for NZT | Contract No :- | 4339       | AEG Contract No :- 4339 |           |             |

