

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060 Fax:- 01327 860430 Email: groundtech@listersgeotechnics.co.uk

| PROJECT INFORMATION | | SAMPLE INFORMATION | | |
|--|--|--|---------------------------------------|--------------------------------|
| Site Location:- | Latchmere House, Church Road, Ham Common, Richmond, Surrey | Laboratory Tests Undertaken:- | | |
| Client:- | Jones Lang Lasalle | TEST TYPE | TEST METHOD | TESTED |
| Client Reference:- | - | Natural Moisture Contents (MC%) | (BS 1377:Part 2:1990 Clause 3.2) | ✓ |
| Date Samples Received:- | 25th July 2012 | Liquid Limits (%) | (BS 1377:Part 2:1990 Clause 4.3) | ✓ |
| Date Testing Completed:- | 23rd August 2012 | Plastic Limits (%) | (BS 1377:Part 2:1990 Clause 5.3) | ✓ |
| | | Plasticity Index (%) | (BS 1377:Part 2:1990 Clause 5.4) | ✓ |
| | | Linear Shrinkage (%) | (BS 1377:Part 2:1990 Clause 6.5) | |
| | | PSD - Wet Sieving | (BS 1377:Part 2:1990 Clause 9.2) | ✓ |
| | | Engineering Sample Descriptions | (BS 5930 : Section 6) | |
| | | Passing 425/63 (µm) | - | ✓ |
| | | Hydrometer | (BS 1377:Part 2:1990 Clause 9.5) | |
| | | Loss on Ignition (%) | - | ✓ |
| | | Soil Suctions (kPa) | BRE Digest IP 4/93, 1993 | |
| | | Bulk Density (Mg/m ³) | (BS 1377:Part 2:1990 Clause 7.2) | |
| | | Strength Tests | (BS 1377:Part 7:1990 Clause 8 & 9) | |
| | | Soluble Sulphate Content (SO ⁴ g/l) | (BS 1377:Part 3:1990 Clause 5.3) | ✓ |
| | | pH value | (BS 1377:Part 3:1990 Clause 9.4) | ✓ |
| | | California Bearing Ratios (CBR) | (BS 1377:Part 4:1990 Clause 7) | |
| | | Compaction Tests | (BS 1377:Part 4:1990 Clauses 3.0-3.6) | |
| The results relate only to the samples tested | | | | |
| This test-report may not be reproduced, except with full and written approval of GROUNDTECH LABORATORIES | | Laboratory testing in accord with BS EN ISO/IEC 17025-2000 and Quality Management in accord with ISO 9001 | | |
| Signed on behalf of GroundTech Laboratories:- _____ | | | Technical Signatory | Quality Assured to ISO 9001 |
| Report Date August 2012 | GEOTECHNICAL LABORATORY TEST RESULTS | | | Project Ref 12.07.020 |

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| SAMPLES | | | | CLASSIFICATION TESTS | | | | | | CLASSIFICATION TESTS | | | | | | STRENGTH TESTS | | | | | CHEMICAL TESTS | | | | | | | | | |
|-----------------------------------|-------------|-----------------|-----------|--------------------------------|--------------------|------|------|------------------|---------------|----------------------|-----------------|-------|-------|-----------------|--------------------|------------------|--------------------------------|-----------|---------------------------------|-----------------------------------|-------------------------------------|---------------------------------|---------------------|--|--|--|--|---|----------------|--|
| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 1 | D | 0.10 | PSD | 6 | | | | | | | | | | | 3 | | | | | | | | 5.0 | 0.06 | | | | | | |
| | D | 0.50 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.60 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 2 | D | 0.10 | PSD | 8 | | | | | | | | | | | 3 | | | | | | | | 6.1 | 0.12 | | | | | | |
| | D | 0.50 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.90 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 3 | D | 2.50 | PSD | 7 | | | | | | | | | | | | | | | | | | | 6.1 | 0.12 | | | | | | |
| | D | 0.10 | PSD | 12 | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | D | 0.60 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.60 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 1.75 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 4 | D | 2.00 | PSD | 4 | | | | | | | | | | | | | | | | | | | 6.1 | 0.12 | | | | | | |
| | D | 2.50 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.12 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
| Report Date August 2012 | | | | LABORATORY TEST RESULTS | | | | | | | | | | | | | | | | | | Project Ref 12.07.020 | | Client Ref - | | | | | | |

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| SAMPLES | | | | CLASSIFICATION TESTS | | | | | | CLASSIFICATION TESTS | | | | | | STRENGTH TESTS | | | | | CHEMICAL TESTS | | | | | | | | | |
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| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 4 | D | 0.40 | PSD | 16 | | | | | | | | | | | 3 | | | | | | | | 6.6 | 0.08 | | | | | | |
| | D | 0.90 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.10 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.00 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.50 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 5 | D | 4.00 | PSD | 10 | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| | D | 0.10 | PSD | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.70 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.10 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.00 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 3.50 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 6 | D | 4.00 | PSD | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.50 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 10 | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
| Report Date August 2012 | | | LABORATORY TEST RESULTS | | | | | | | | | | | | | | | | | Project Ref 12.07.020 | | Client Ref - | | | | | | | | |

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| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 6 | D | 0.60 | PSD | 6 | | | | | | | | | | | | | | | | | | | 6.1 | 0.12 | | | | | | |
| | D | 0.90 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.40 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 7 | D | 0.10 | PSD | 11 | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| | D | 0.50 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.10 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 8 | D | 1.50 | PSD | 4 | | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| | D | 0.10 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.50 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.10 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 9 | D | 2.00 | PSD | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.20 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.50 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | PSD | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.60 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
| Report Date August 2012 | | LABORATORY TEST RESULTS | | | | | | | | | | | | | | | | | | Project Ref 12.07.020 | | Client Ref - | | | | | | | | |

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| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 9 | D | 2.00 | | 15 | | | | | | | | | | | | | | | | | | | 6.6 | 0.08 | | | | | | |
| | D | 2.50 | PSD | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 10 | D | 0.13 | | 7 | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| | D | 0.40 | | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.10 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.70 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | PSD | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 11 | D | 0.10 | | 14 | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | D | 0.50 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | PSD | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | PSD | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 12 | D | 0.10 | | 10 | | | | | | | | | | | 5 | | | | | | | | | | | | | | | |
| | D | 0.40 | | 9 | | | | | | | | | | | | | | | | | | | 7.0 | 0.10 | | | | | | |
| | D | 0.90 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | PSD | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
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| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 12 | D | 2.50 | PSD | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.00 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.50 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.00 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.50 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 13 | D | 0.10 | PSD | 14 | | | | | | | | | | | 8 | | | | | | | | | | | | | | | |
| | D | 0.40 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.10 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 14 | D | 2.50 | PSD | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.05 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.25 | | 14 | | | | | | | | | | | | 3 | | | | | | | | 7.0 | 0.21 | | | | | |
| | D | 0.60 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 15 | D | 1.50 | PSD | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 0.07 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
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| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 15 | D | 0.25 | PSD | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.50 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.00 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3.50 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.00 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.50 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 16 | D | 5.00 | PSD | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 5.50 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.10 | | 11 | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| | D | 0.50 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.00 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.60 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 2.50 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 3.00 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
| Report Date August 2012 | | | | LABORATORY TEST RESULTS | | | | | | | | | | | | | | | | | | Project Ref 12.07.020 | | Client Ref - | | | | | | |

GroundTech Laboratories

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to ISO 9001**

| SAMPLES | | | | CLASSIFICATION TESTS | | | | | | CLASSIFICATION TESTS | | | | | | STRENGTH TESTS | | | | | CHEMICAL TESTS | | | | | | | | | |
|-----------------------------------|-------------|-----------------|-----------|--------------------------------|--------------------|------|------|------------------|---------------|----------------------|-----------------|-------|-------|-----------------|--------------------|------------------|--------------------------------|-----------|---------------------------------|-----------------------------------|-------------------------------------|---------------------------------|---------------------|--|------|--|--|---|----------------|--|
| Test Location | Sample Type | Sample Depth -m | Test Type | MC % | LL % | PL % | PI % | Passing 425 µm % | Modified PI % | Class | Passing 63 µm % | MC/LL | PL+2% | Liquidity Index | Loss on Ignition % | Soil Suction kPa | Bulk Density Mg/m ³ | Test Type | Cell Pressure kN/m ² | Deviator Stress kN/m ² | Apparent Cohesion kN/m ² | φ | pH Value | Soluble Sulphate Content SO ₄ g/l | | | | | | |
| CT 16 | D | 3.50 | PSD | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.00 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 4.50 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 17 | D | 0.10 | PSD | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.30 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.90 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT 18 | D | 1.50 | PSD | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.00 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 2.50 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 0.10 | | 17 | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| | D | 0.40 | | 13 | | | | | | | | | | | | | | | | | | | | 7.2 | 0.04 | | | | | |
| | D | 1.00 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.50 | PSD | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 1.90 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbols: | | | | U | Undisturbed Sample | | | | | R | Remoulded | | | | | PI | Plasticity Index | | | | | T | Triaxial Undrained | | | | | L | 100mm specimen | |
| | | | | D | Disturbed Sample | | | | | 63 | Passing 63µm | | | | | F | Filter Paper Suction Tests | | | | | M | Multistage Triaxial | | | | | S | 38mm specimen | |
| | | | | B | Bulk Sample | | | | | H | Hydrometer | | | | | CC | Continuous Core | | | | | HP | Hand Penetrometer | | | | | | | |
| | | | | W | Water Sample | | | | | PSD | Wet Sieving | | | | | V | Vane Test | | | | | | | | | | | | | |
| Report Date August 2012 | | | | LABORATORY TEST RESULTS | | | | | | | | | | | | | | | | | | Project Ref 12.07.020 | | Client Ref - | | | | | | |

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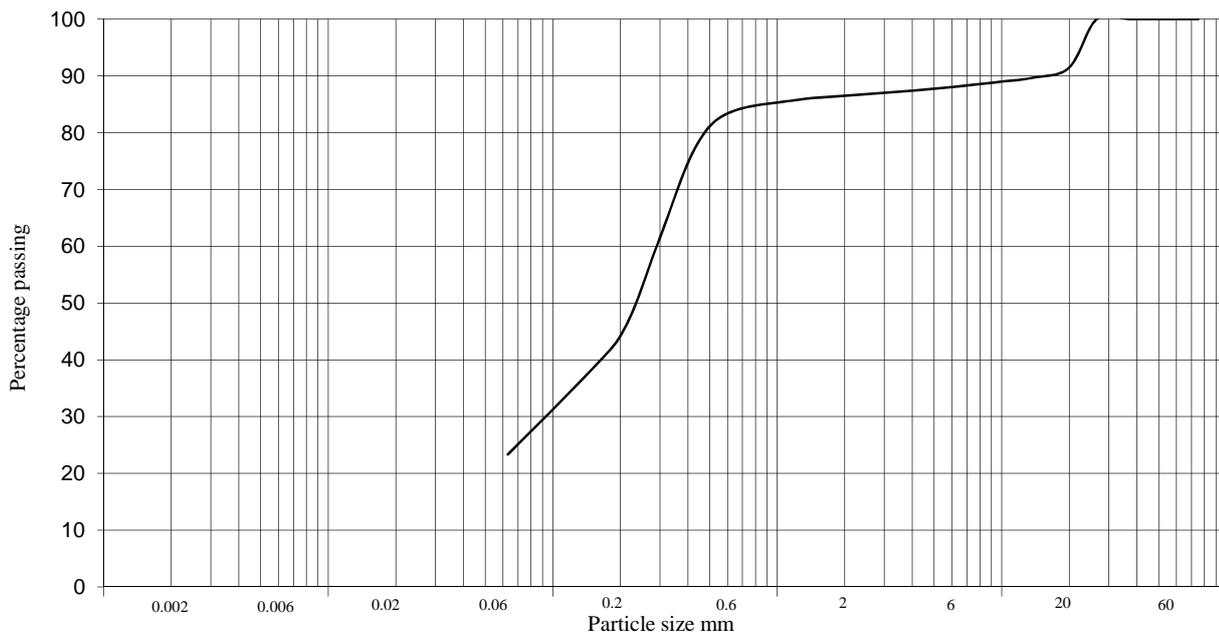
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| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 1 Sample Depth: 1.00m -1.60m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | 91.50 | | |
| | | 14mm | 89.72 | | |
| | | 10mm | 89.00 | | |
| | | 6.3mm | 88.13 | | |
| | | 5mm | 87.72 | | |
| | | 3.5mm | 87.17 | | |
| | | 2mm | 86.48 | | |
| | | 1.18mm | 85.69 | | |
| | | 600µm | 83.39 | | |
| | | 425µm | 76.89 | | |
| | | 300µm | 61.53 | | |
| | | 212µm | 46.02 | | |
| | | 150µm | 38.42 | | |
| | | 63µm | 23.33 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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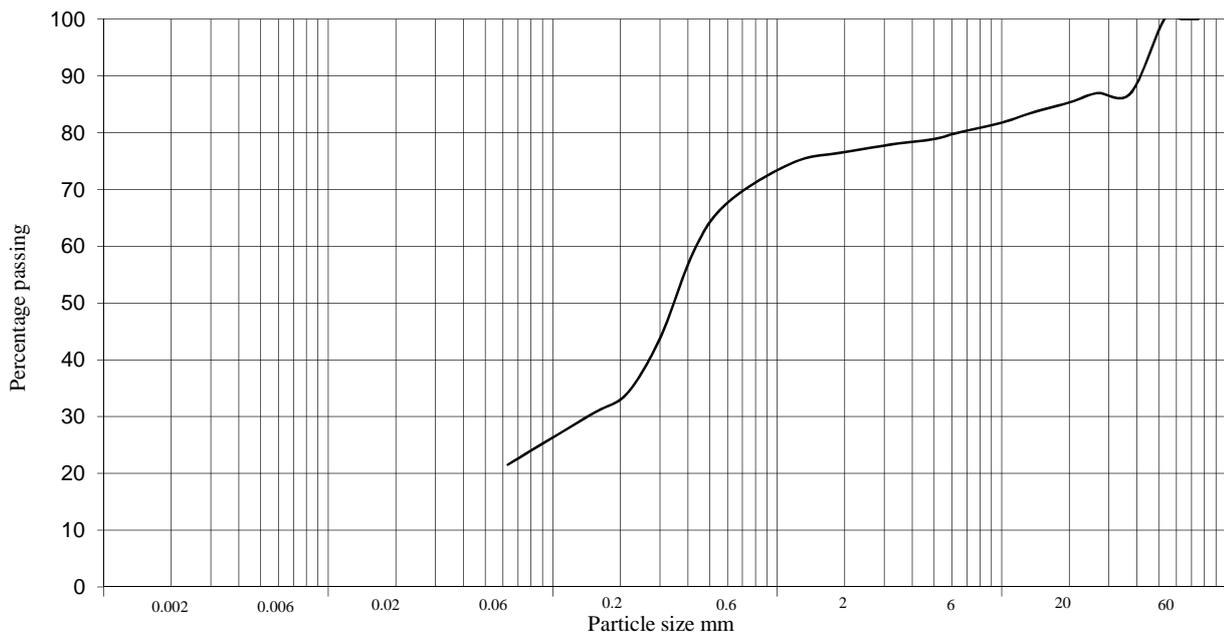
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Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

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| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 2 | 50mm | | | |
| Sample Depth: | 0.90m -1.50m | 37.5mm | 86.93 | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 83.65 | | |
| | | 10mm | 81.76 | | |
| | | 6.3mm | 79.93 | | |
| | | 5mm | 78.86 | | |
| Hydrometer No.: | | 3.5mm | 78.00 | | |
| SG Gs: | | 2mm | 76.54 | | |
| Water Visc. (N): | | 1.18mm | 74.74 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 67.65 | | |
| | | 425µm | 59.16 | | |
| | | 300µm | 43.74 | | |
| | | 212µm | 33.87 | | |
| | | 150µm | 30.49 | | |
| | | 63µm | 21.52 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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Client: Jones Lang Lasalle

Site: Latchmere House, Church Road, Ham
Common, Richmond

Test Location: CT 2

Sample Depth: 2.50m -3.00m

Sample Description:

Hydrometer No.:

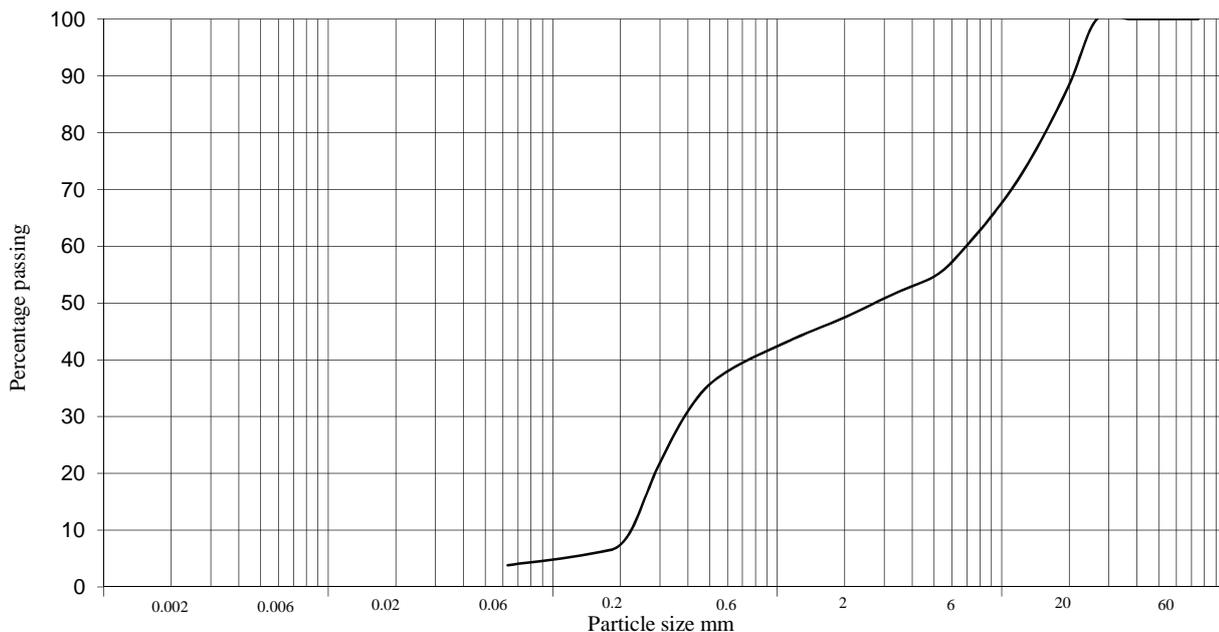
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

| BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
|---------------|------------------------------|---------------------------------|------------------------------|
| 75mm | | | |
| 63mm | | | |
| 50mm | | | |
| 37.5mm | | | |
| 26.5mm | | | |
| 20mm | 88.52 | | |
| 14mm | 76.58 | | |
| 10mm | 67.64 | | |
| 6.3mm | 58.12 | | |
| 5mm | 54.68 | | |
| 3.5mm | 51.72 | | |
| 2mm | 47.48 | | |
| 1.18mm | 43.68 | | |
| 600µm | 37.97 | | |
| 425µm | 32.50 | | |
| 300µm | 21.90 | | |
| 212µm | 8.54 | | |
| 150µm | 5.91 | | |
| 63µm | 3.81 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

Report Date
August 2012

PARTICLE SIZE DISTRIBUTION

Client Ref

Project Ref
12.07.020

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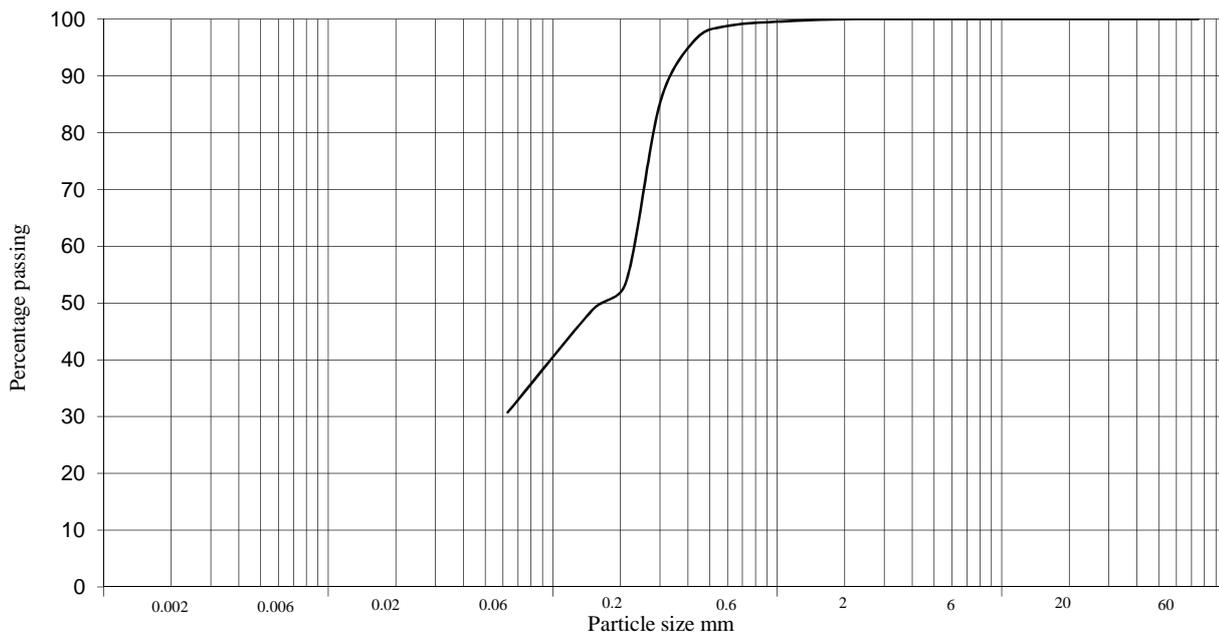
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Email: groundtech@listersgeotechnics.co.uk

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| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 3 Sample Depth: 1.00m -1.60m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | | | |
| | | 10mm | | | |
| | | 6.3mm | | | |
| | | 5mm | | | |
| | | 3.5mm | | | |
| | | 2mm | | | |
| | | 1.18mm | 99.67 | | |
| | | 600µm | 98.79 | | |
| | | 425µm | 96.12 | | |
| | | 300µm | 85.23 | | |
| | | 212µm | 53.75 | | |
| | | 150µm | 48.78 | | |
| | | 63µm | 30.76 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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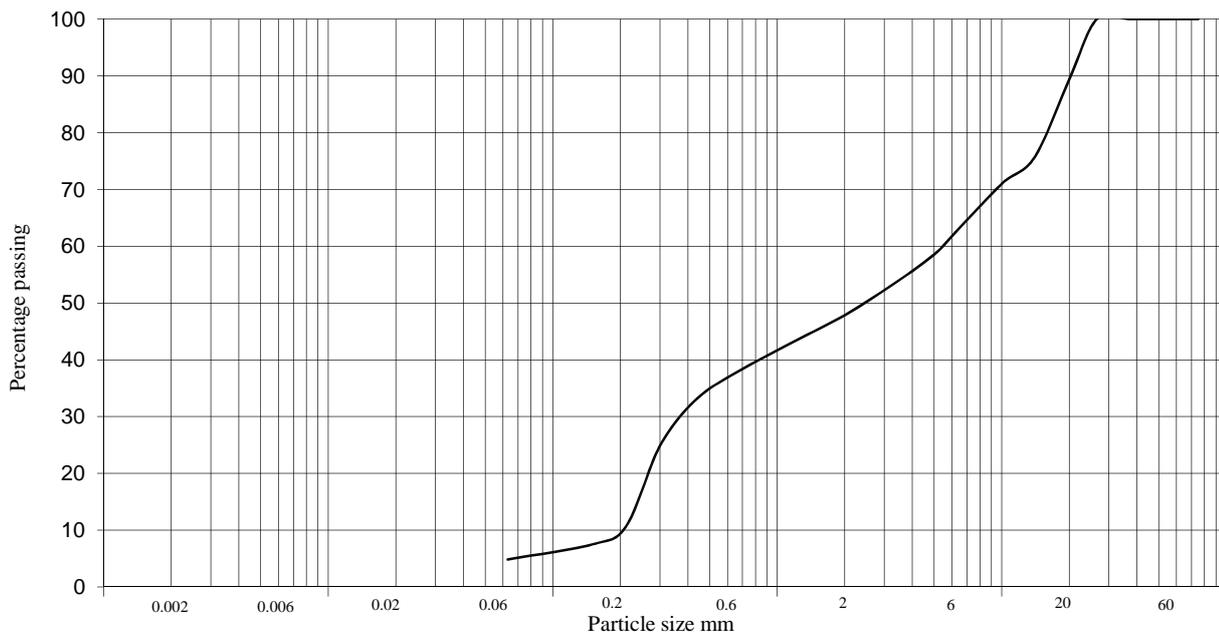
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Email: groundtech@listersgeotechnics.co.uk

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| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 3 | 50mm | | | |
| Sample Depth: | 2.00m -2.50m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 89.45 | | |
| | | 14mm | 75.70 | | |
| | | 10mm | 71.00 | | |
| | | 6.3mm | 62.71 | | |
| | | 5mm | 58.56 | | |
| Hydrometer No.: | | 3.5mm | 53.57 | | |
| SG Gs: | | 2mm | 47.87 | | |
| Water Visc. (N): | | 1.18mm | 43.19 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 36.89 | | |
| | | 425µm | 32.63 | | |
| | | 300µm | 24.86 | | |
| | | 212µm | 10.69 | | |
| | | 150µm | 7.50 | | |
| | | 63µm | 4.84 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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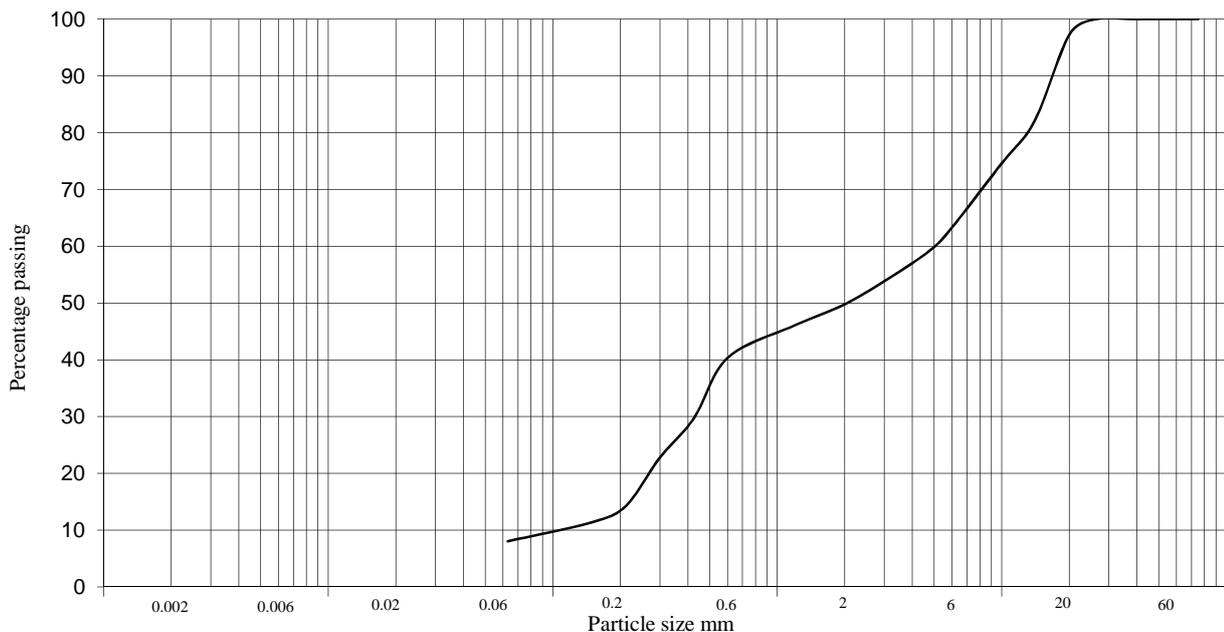
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 4 | 50mm | | | |
| Sample Depth: | 1.50m -2.10m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 97.27 | | |
| | | 14mm | 82.08 | | |
| | | 10mm | 74.62 | | |
| | | 6.3mm | 64.37 | | |
| | | 5mm | 59.89 | | |
| Hydrometer No.: | | 3.5mm | 55.05 | | |
| SG Gs: | | 2mm | 49.81 | | |
| Water Visc. (N): | | 1.18mm | 45.98 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 40.33 | | |
| | | 425µm | 29.72 | | |
| | | 300µm | 22.81 | | |
| | | 212µm | 14.32 | | |
| | | 150µm | 11.42 | | |
| | | 63µm | 8.05 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

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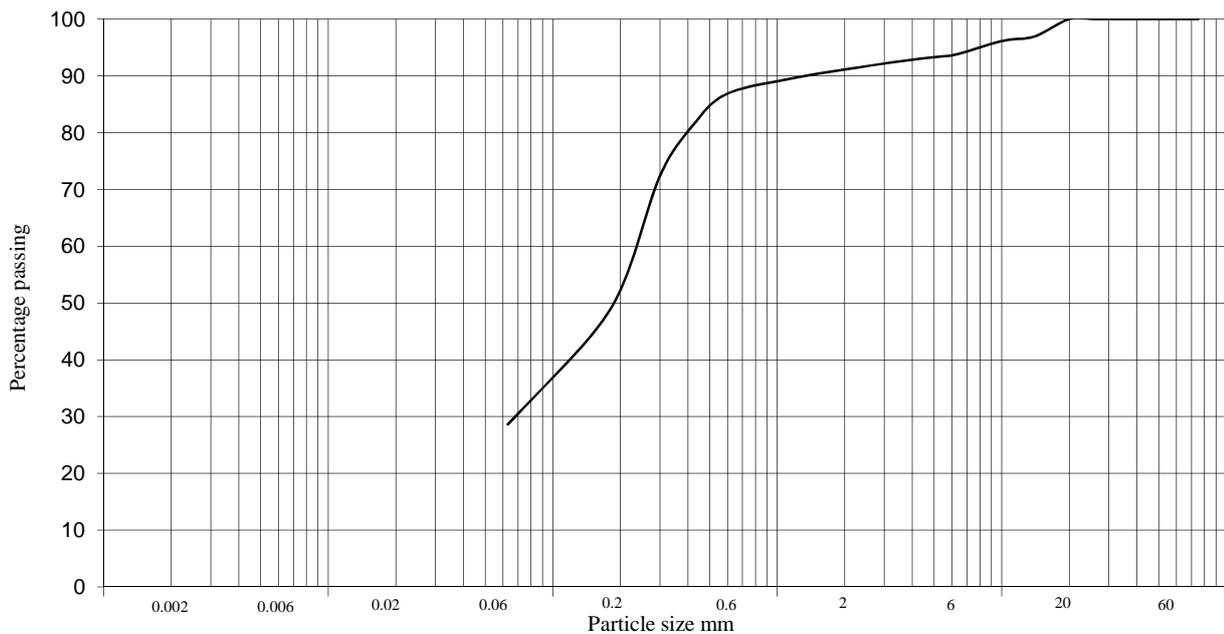
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Email: groundtech@listersgeotechnics.co.uk

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| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 5 Sample Depth: 1.10m -1.50m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 96.94 | | |
| | | 10mm | 96.13 | | |
| | | 6.3mm | 93.79 | | |
| | | 5mm | 93.30 | | |
| | | 3.5mm | 92.46 | | |
| | | 2mm | 91.11 | | |
| | | 1.18mm | 89.60 | | |
| | | 600µm | 86.86 | | |
| | | 425µm | 81.51 | | |
| | | 300µm | 72.39 | | |
| | | 212µm | 54.68 | | |
| | | 150µm | 44.53 | | |
| | | 63µm | 28.60 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

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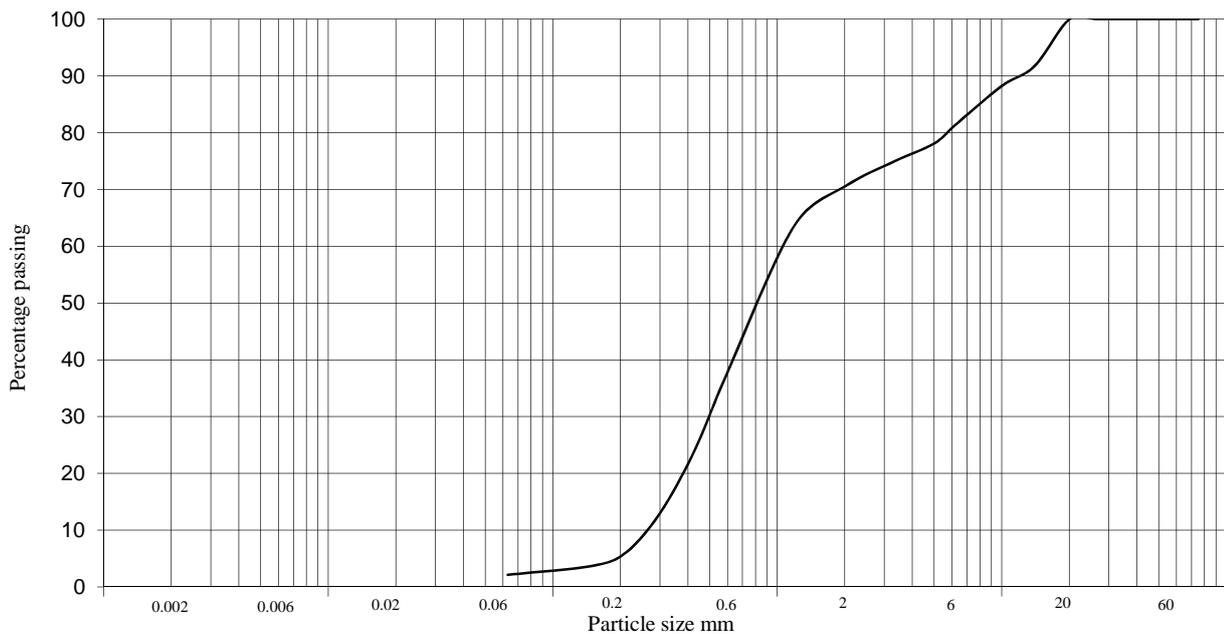
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Email: groundtech@listersgeotechnics.co.uk

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Assured
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| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 5 | 50mm | | | |
| Sample Depth: | 4.00m -4.50m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 91.75 | | |
| | | 10mm | 88.25 | | |
| | | 6.3mm | 81.59 | | |
| | | 5mm | 78.11 | | |
| Hydrometer No.: | | 3.5mm | 75.02 | | |
| SG Gs: | | 2mm | 70.56 | | |
| Water Visc. (N): | | 1.18mm | 63.40 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 37.83 | | |
| | | 425µm | 23.79 | | |
| | | 300µm | 12.99 | | |
| | | 212µm | 6.09 | | |
| | | 150µm | 3.69 | | |
| | | 63µm | 2.13 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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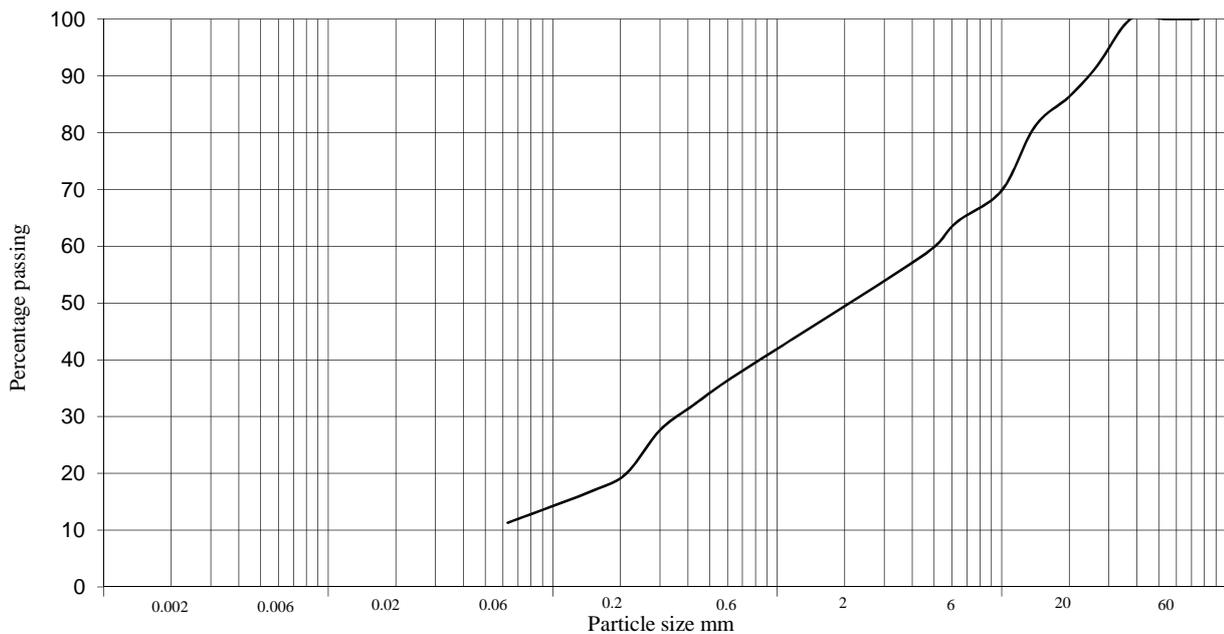
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 6 Sample Depth: 1.40m -2.00m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | 91.67 | | |
| | | 20mm | | | |
| | | 14mm | 81.04 | | |
| | | 10mm | 69.83 | | |
| | | 6.3mm | 64.25 | | |
| | | 5mm | 59.84 | | |
| | | 3.5mm | 55.12 | | |
| | | 2mm | 49.45 | | |
| | | 1.18mm | 43.74 | | |
| | | 600µm | 36.33 | | |
| | | 425µm | 32.07 | | |
| | | 300µm | 27.60 | | |
| | | 212µm | 19.93 | | |
| | | 150µm | 16.91 | | |
| | | 63µm | 11.29 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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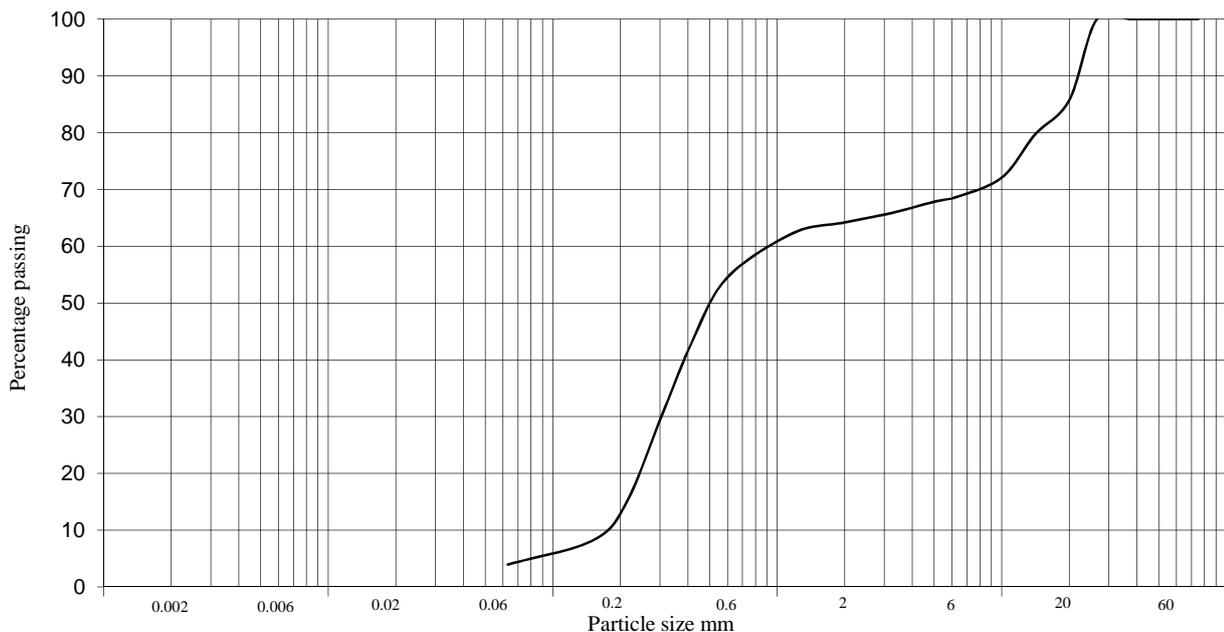
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

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| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 6 | 50mm | | | |
| Sample Depth: | 2.50m -3.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 85.77 | | |
| | | 14mm | 79.59 | | |
| | | 10mm | 72.09 | | |
| | | 6.3mm | 68.68 | | |
| | | 5mm | 67.84 | | |
| Hydrometer No.: | | 3.5mm | 66.01 | | |
| SG Gs: | | 2mm | 64.20 | | |
| Water Visc. (N): | | 1.18mm | 62.35 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 54.54 | | |
| | | 425µm | 43.95 | | |
| | | 300µm | 29.38 | | |
| | | 212µm | 14.75 | | |
| | | 150µm | 8.17 | | |
| | | 63µm | 3.95 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

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Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

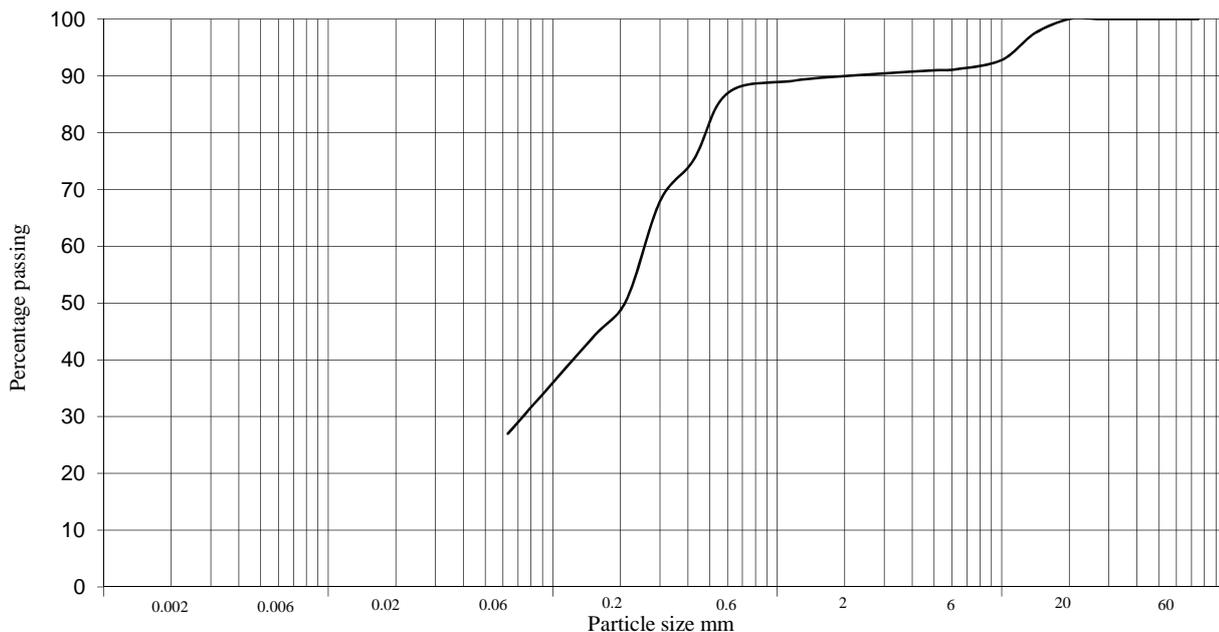
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 7 Sample Depth: 0.50m -1.10m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 97.46 | | |
| | | 10mm | 92.77 | | |
| | | 6.3mm | 91.14 | | |
| | | 5mm | 90.94 | | |
| | | 3.5mm | 90.54 | | |
| | | 2mm | 89.93 | | |
| | | 1.18mm | 89.10 | | |
| | | 600µm | 86.95 | | |
| | | 425µm | 75.24 | | |
| | | 300µm | 67.87 | | |
| | | 212µm | 50.38 | | |
| | | 150µm | 43.83 | | |
| | | 63µm | 26.97 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

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ISO 9001**

Client: Jones Lang Lasalle

Site: Latchmere House, Church Road, Ham
Common, Richmond

Test Location: CT 7

Sample Depth: 1.50m -2.10m

Sample Description:

Hydrometer No.:

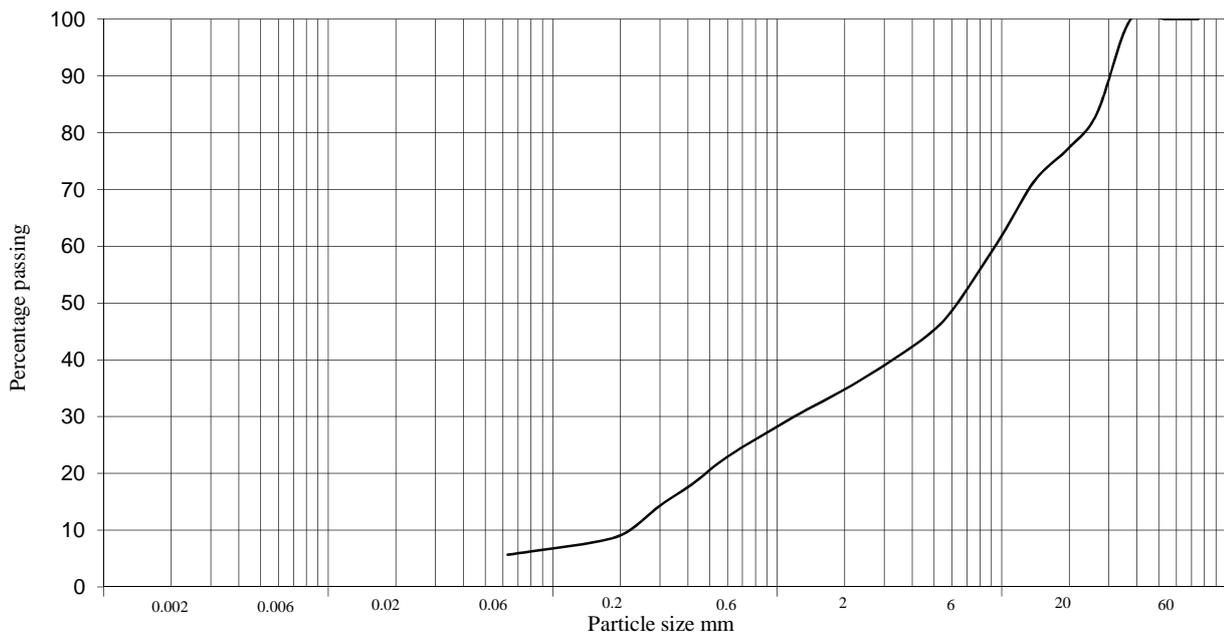
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

| BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
|---------------|------------------------------|---------------------------------|------------------------------|
| 75mm | | | |
| 63mm | | | |
| 50mm | | | |
| 37.5mm | | | |
| 26.5mm | 83.31 | | |
| 20mm | 77.39 | | |
| 14mm | 71.53 | | |
| 10mm | 61.87 | | |
| 6.3mm | 49.79 | | |
| 5mm | 45.27 | | |
| 3.5mm | 40.25 | | |
| 2mm | 34.79 | | |
| 1.18mm | 29.90 | | |
| 600µm | 22.93 | | |
| 425µm | 18.32 | | |
| 300µm | 14.30 | | |
| 212µm | 9.57 | | |
| 150µm | 7.81 | | |
| 63µm | 5.66 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

Report Date
August 2012

PARTICLE SIZE DISTRIBUTION

Client Ref

Project Ref
12.07.020

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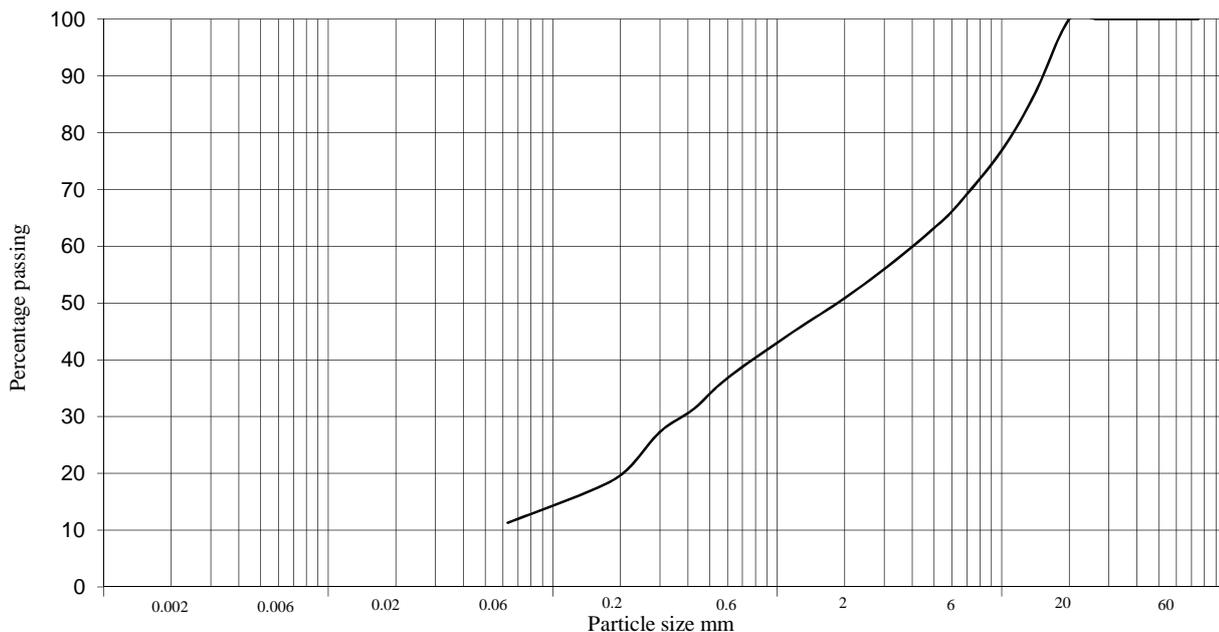
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

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| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 8 Sample Depth: 1.10m -1.50m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|--|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 86.79 | | |
| | | 10mm | 76.91 | | |
| | | 6.3mm | 67.08 | | |
| | | 5mm | 63.24 | | |
| | | 3.5mm | 57.48 | | |
| | | 2mm | 50.88 | | |
| | | 1.18mm | 44.98 | | |
| | | 600µm | 36.81 | | |
| | | 425µm | 31.38 | | |
| | | 300µm | 27.32 | | |
| | | 212µm | 20.50 | | |
| | | 150µm | 17.10 | | |
| | | 63µm | 11.32 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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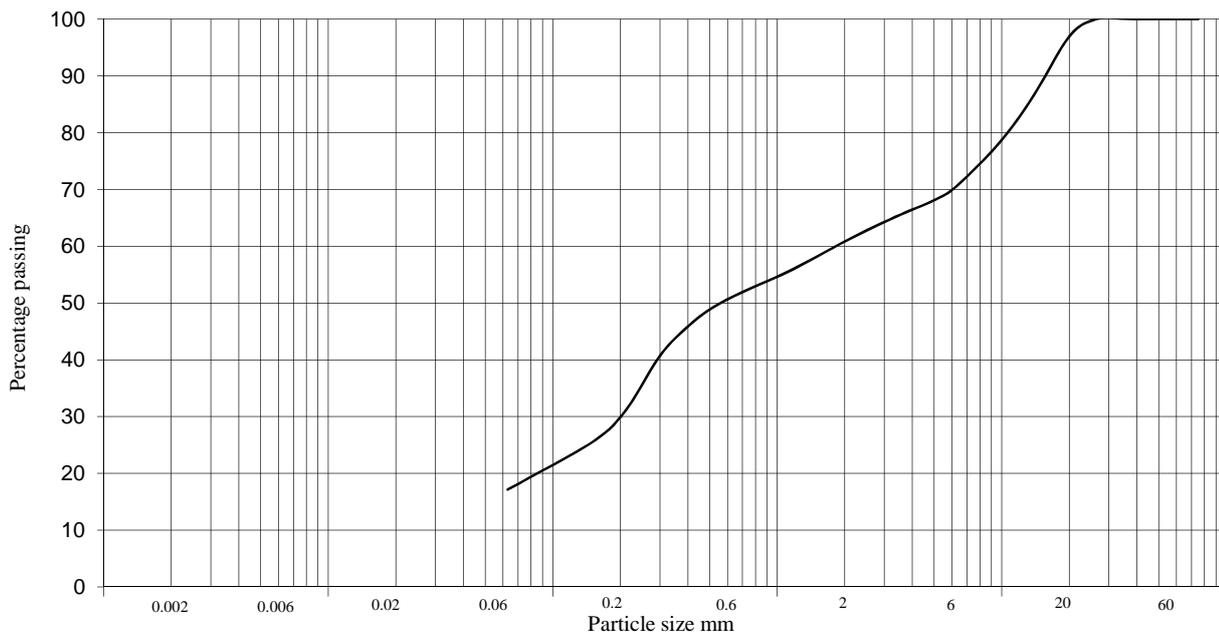
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

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| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 9 | 50mm | | | |
| Sample Depth: | 1.00m -1.60m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 96.96 | | |
| | | 14mm | 86.82 | | |
| | | 10mm | 78.72 | | |
| | | 6.3mm | 70.61 | | |
| | | 5mm | 68.12 | | |
| Hydrometer No.: | | 3.5mm | 65.14 | | |
| SG Gs: | | 2mm | 60.85 | | |
| Water Visc. (N): | | 1.18mm | 55.96 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 50.64 | | |
| | | 425µm | 46.77 | | |
| | | 300µm | 40.69 | | |
| | | 212µm | 31.17 | | |
| | | 150µm | 25.51 | | |
| | | 63µm | 17.13 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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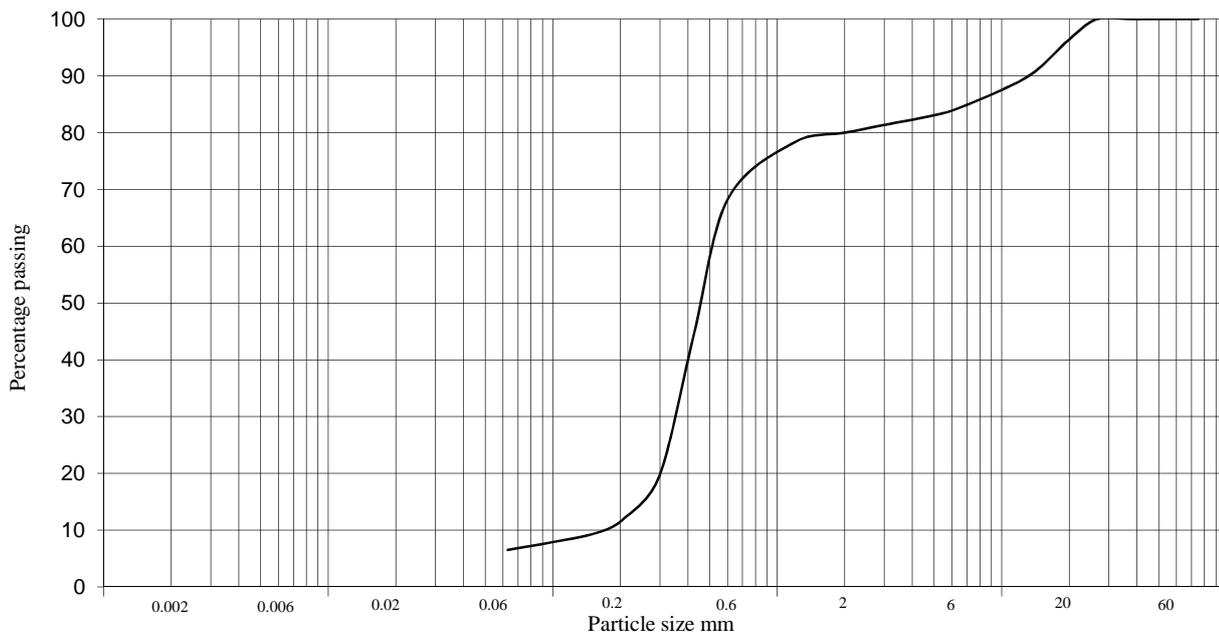
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 9 | 50mm | | | |
| Sample Depth: | 2.50m -3.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 96.47 | | |
| | | 14mm | 90.72 | | |
| | | 10mm | 87.55 | | |
| | | 6.3mm | 84.21 | | |
| | | 5mm | 83.08 | | |
| Hydrometer No.: | | 3.5mm | 81.73 | | |
| SG Gs: | | 2mm | 80.00 | | |
| Water Visc. (N): | | 1.18mm | 78.24 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 68.21 | | |
| | | 425µm | 44.50 | | |
| | | 300µm | 19.81 | | |
| | | 212µm | 12.34 | | |
| | | 150µm | 9.29 | | |
| | | 63µm | 6.51 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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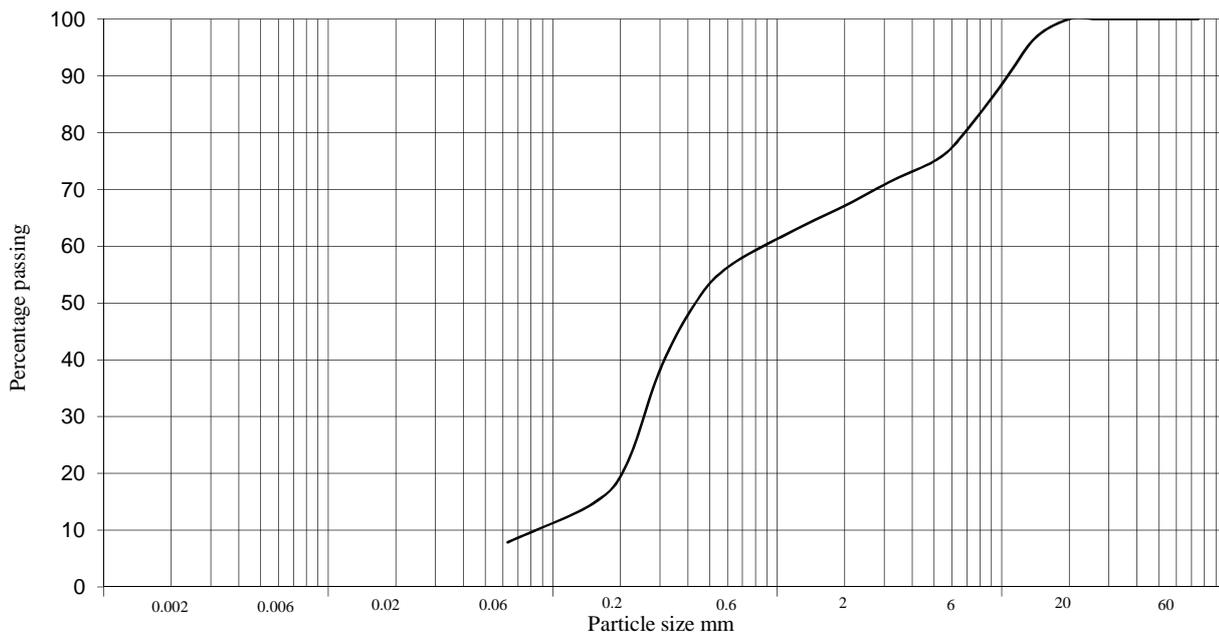
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 10 | 50mm | | | |
| Sample Depth: | 2.00m -2.50m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 96.58 | | |
| | | 10mm | 88.49 | | |
| | | 6.3mm | 78.31 | | |
| | | 5mm | 74.99 | | |
| Hydrometer No.: | | 3.5mm | 71.80 | | |
| SG Gs: | | 2mm | 67.15 | | |
| Water Visc. (N): | | 1.18mm | 62.75 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 56.28 | | |
| | | 425µm | 49.60 | | |
| | | 300µm | 38.21 | | |
| | | 212µm | 21.38 | | |
| | | 150µm | 14.64 | | |
| | | 63µm | 7.86 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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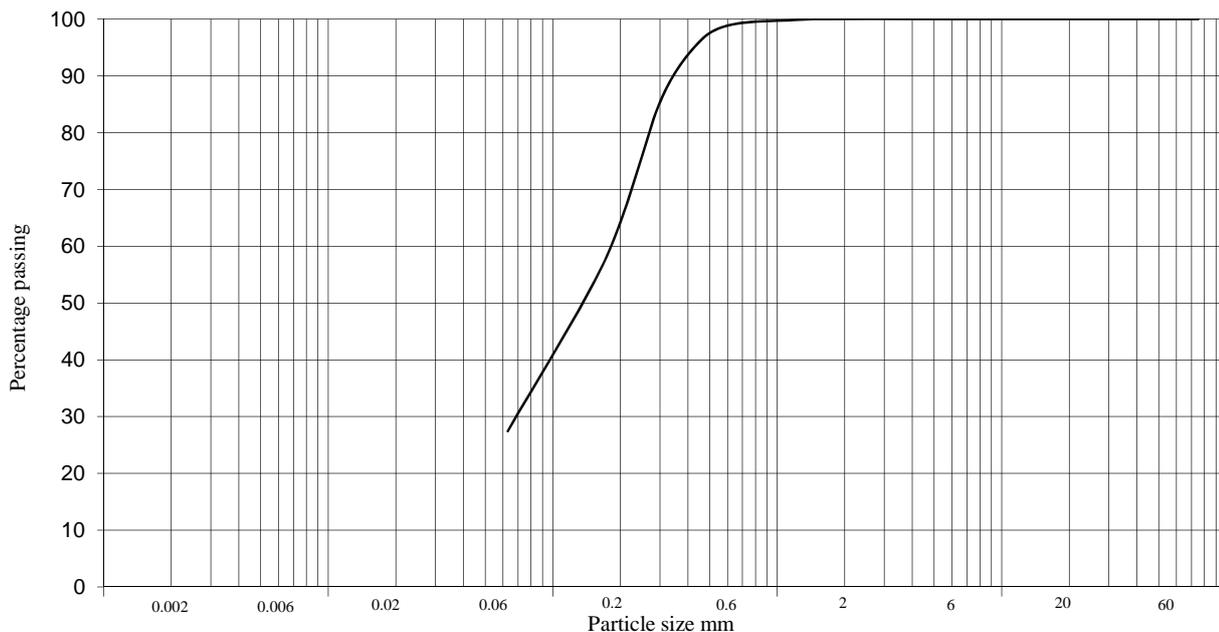
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
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ISO 9001**

| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 11 Sample Depth: 1.00m -1.50m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | | | |
| | | 10mm | | | |
| | | 6.3mm | | | |
| | | 5mm | | | |
| | | 3.5mm | | | |
| | | 2mm | | | |
| | | 1.18mm | 99.81 | | |
| | | 600µm | 98.83 | | |
| | | 425µm | 94.92 | | |
| | | 300µm | 85.33 | | |
| | | 212µm | 67.05 | | |
| | | 150µm | 53.11 | | |
| | | 63µm | 27.45 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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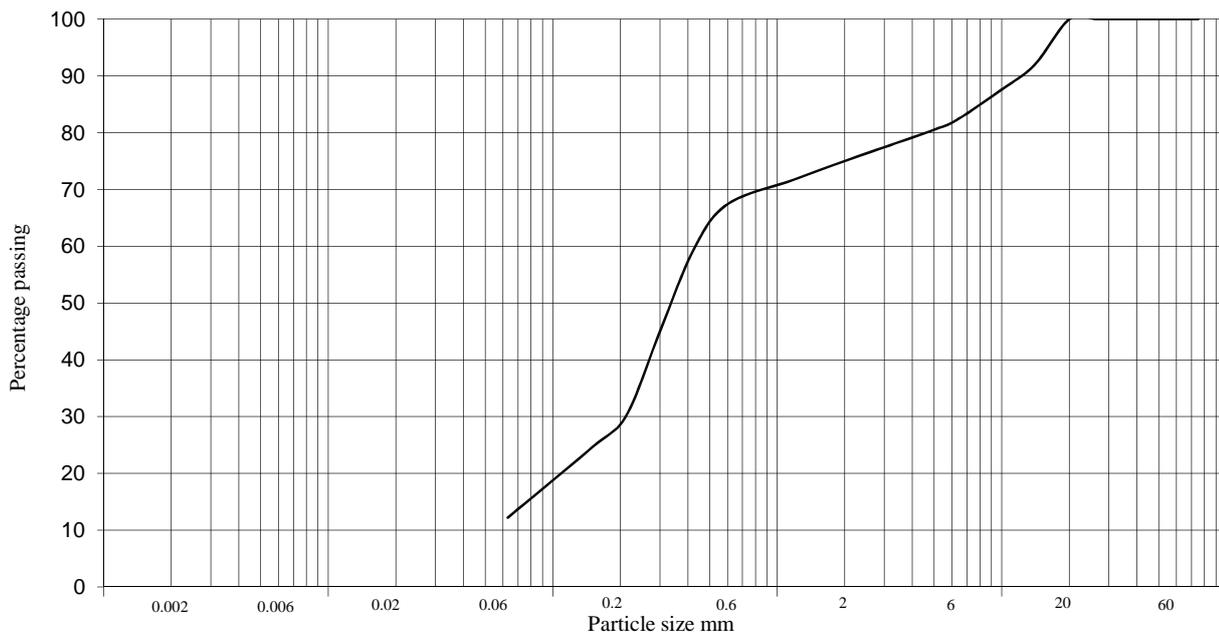
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 11 | 50mm | | | |
| Sample Depth: | 2.50m -3.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 91.94 | | |
| | | 10mm | 87.60 | | |
| | | 6.3mm | 82.23 | | |
| | | 5mm | 80.51 | | |
| Hydrometer No.: | | 3.5mm | 78.09 | | |
| SG Gs: | | 2mm | 75.01 | | |
| Water Visc. (N): | | 1.18mm | 71.68 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 67.39 | | |
| | | 425µm | 59.48 | | |
| | | 300µm | 45.00 | | |
| | | 212µm | 30.10 | | |
| | | 150µm | 24.60 | | |
| | | 63µm | 12.19 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

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|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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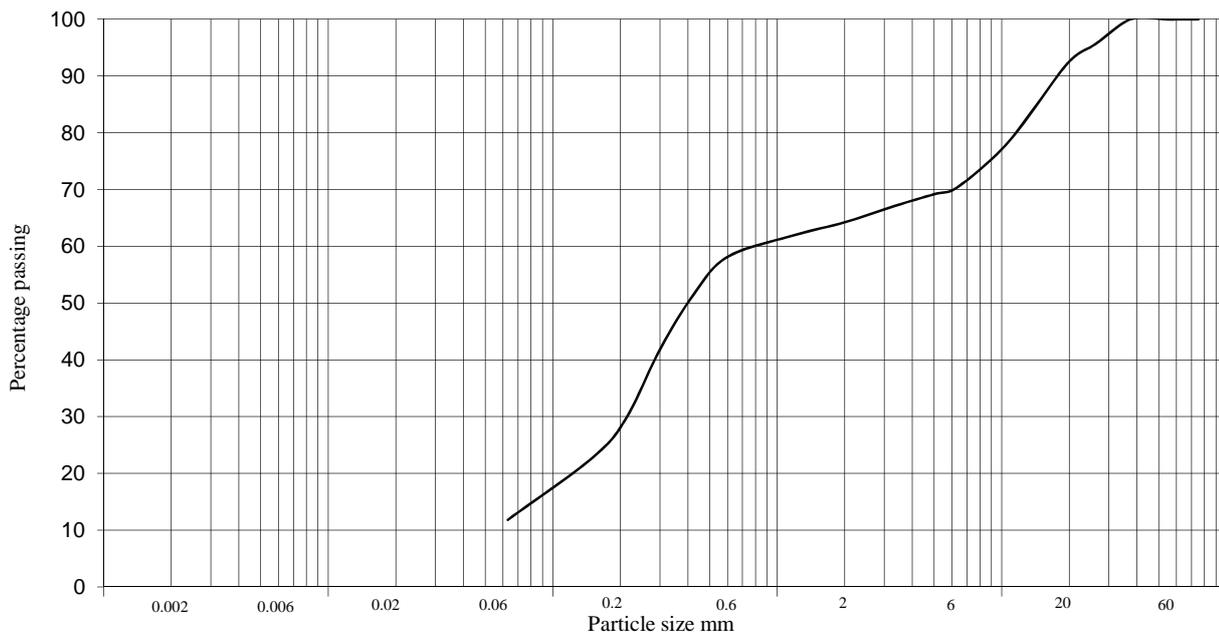
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 12 | 50mm | | | |
| Sample Depth: | 1.50m -2.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | 95.78 | | |
| | | 20mm | 92.57 | | |
| | | 14mm | 84.44 | | |
| | | 10mm | 77.09 | | |
| | | 6.3mm | 70.32 | | |
| | | 5mm | 69.18 | | |
| Hydrometer No.: | | 3.5mm | 67.14 | | |
| SG Gs: | | 2mm | 64.25 | | |
| Water Visc. (N): | | 1.18mm | 61.93 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 58.14 | | |
| | | 425µm | 51.60 | | |
| | | 300µm | 41.85 | | |
| | | 212µm | 29.71 | | |
| | | 150µm | 22.75 | | |
| | | 63µm | 11.82 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
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GroundTech Laboratories

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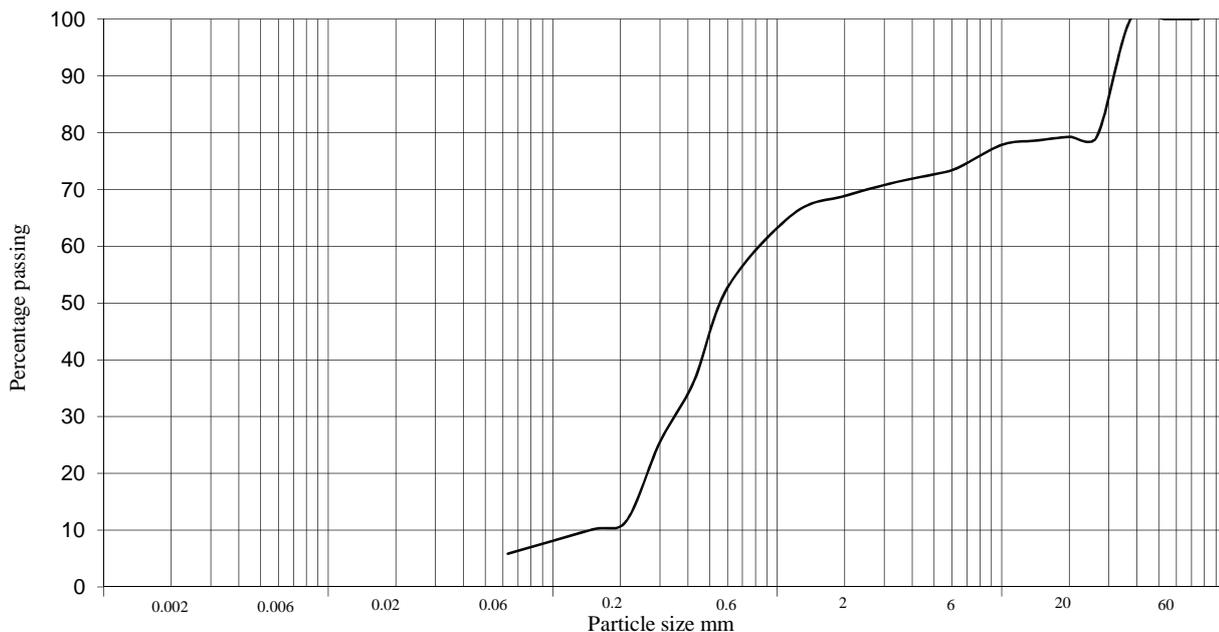
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Assured
ISO 9001**

| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 12 Sample Depth: 4.50m -5.00m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | 79.26 | | |
| | | 20mm | | | |
| | | 14mm | | | |
| | | 10mm | 77.85 | | |
| | | 6.3mm | 73.72 | | |
| | | 5mm | 72.65 | | |
| | | 3.5mm | 71.24 | | |
| | | 2mm | 68.84 | | |
| | | 1.18mm | 65.72 | | |
| | | 600µm | 52.70 | | |
| | | 425µm | 36.22 | | |
| | | 300µm | 25.55 | | |
| | | 212µm | 11.59 | | |
| | | 150µm | 10.14 | | |
| | | 63µm | 5.88 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

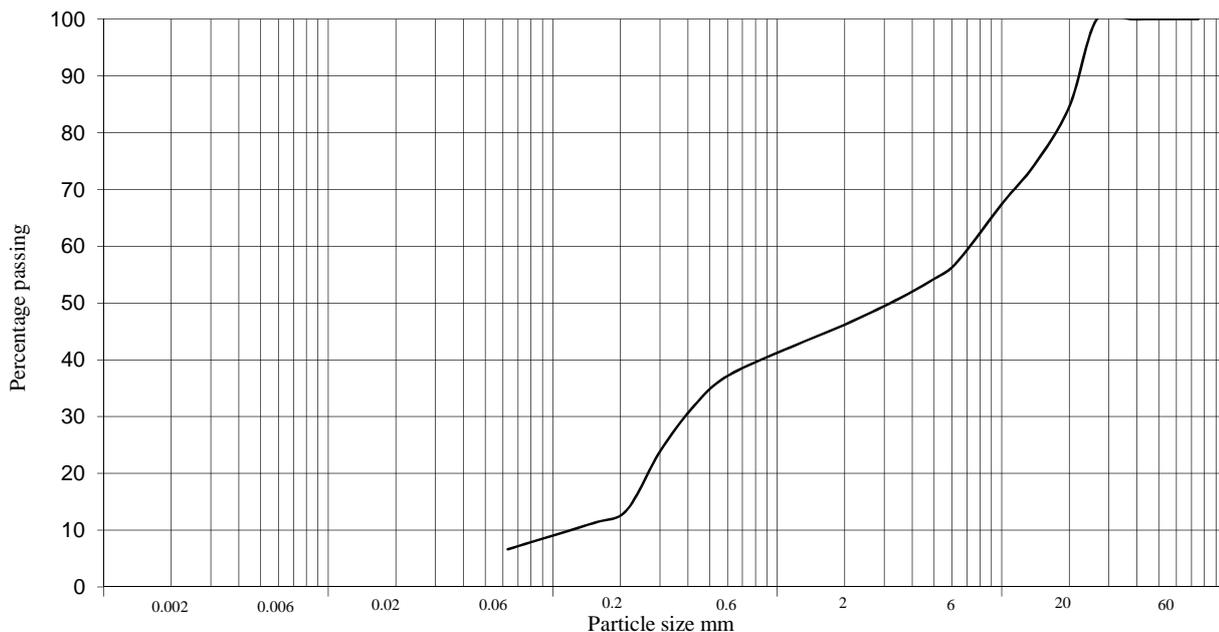
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 13 | 50mm | | | |
| Sample Depth: | 2.50m -3.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 84.62 | | |
| | | 14mm | 74.38 | | |
| | | 10mm | 67.43 | | |
| | | 6.3mm | 57.13 | | |
| | | 5mm | 54.24 | | |
| Hydrometer No.: | | 3.5mm | 50.42 | | |
| SG Gs: | | 2mm | 46.19 | | |
| Water Visc. (N): | | 1.18mm | 42.43 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 37.15 | | |
| | | 425µm | 31.85 | | |
| | | 300µm | 23.84 | | |
| | | 212µm | 13.39 | | |
| | | 150µm | 11.19 | | |
| | | 63µm | 6.62 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

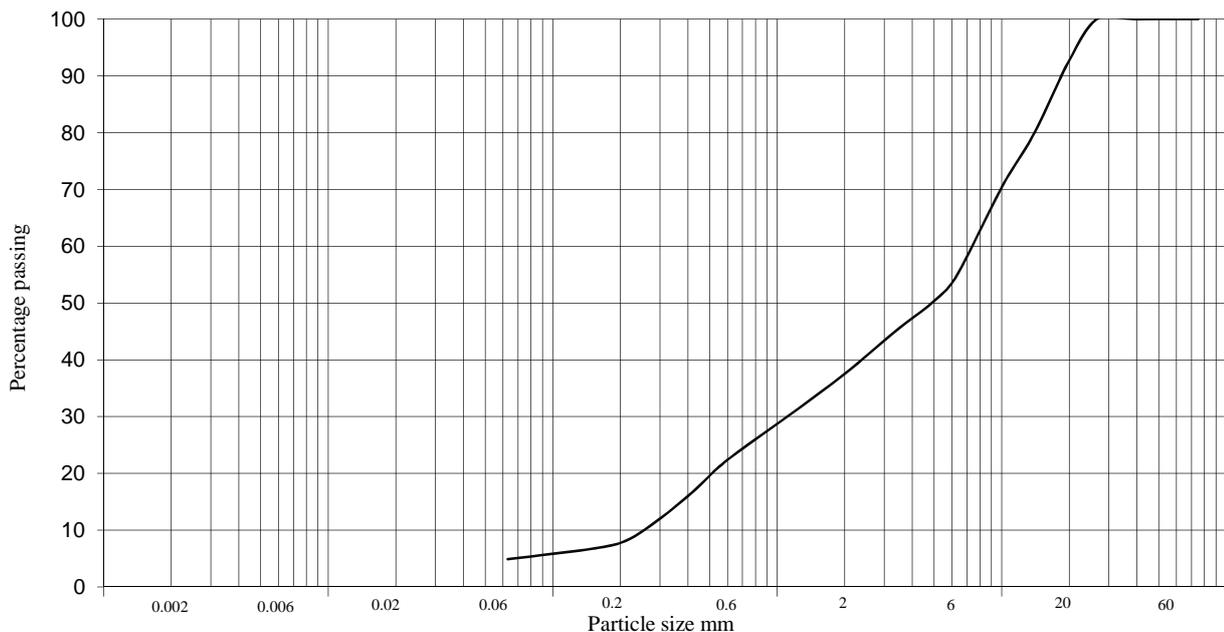
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 14 | 50mm | | | |
| Sample Depth: | 2.00m -2.50m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 92.83 | | |
| | | 14mm | 80.03 | | |
| | | 10mm | 70.42 | | |
| | | 6.3mm | 54.85 | | |
| | | 5mm | 50.39 | | |
| Hydrometer No.: | | 3.5mm | 45.02 | | |
| SG Gs: | | 2mm | 37.57 | | |
| Water Visc. (N): | | 1.18mm | 30.80 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 22.40 | | |
| | | 425µm | 16.94 | | |
| | | 300µm | 12.04 | | |
| | | 212µm | 8.17 | | |
| | | 150µm | 6.75 | | |
| | | 63µm | 4.91 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

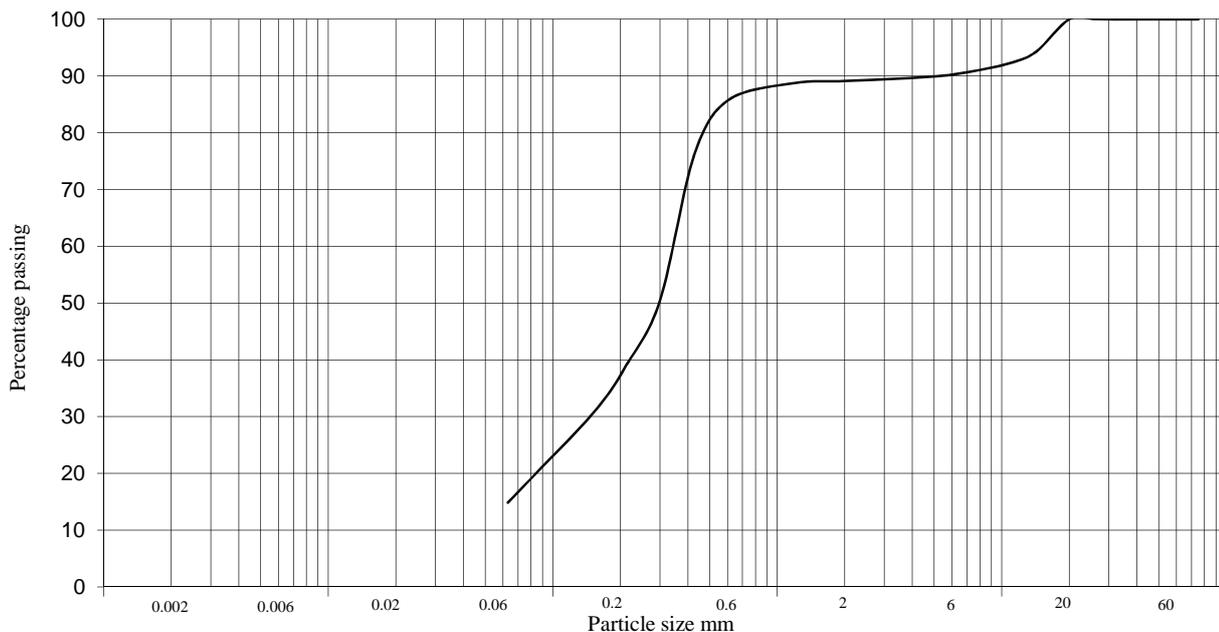
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 15 Sample Depth: 1.00m -1.50m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | | | |
| | | 14mm | 94.09 | | |
| | | 10mm | 91.89 | | |
| | | 6.3mm | 90.35 | | |
| | | 5mm | 89.92 | | |
| | | 3.5mm | 89.49 | | |
| | | 2mm | 89.10 | | |
| | | 1.18mm | 88.74 | | |
| | | 600µm | 85.66 | | |
| | | 425µm | 75.93 | | |
| | | 300µm | 50.45 | | |
| | | 212µm | 39.00 | | |
| | | 150µm | 30.47 | | |
| | | 63µm | 14.84 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

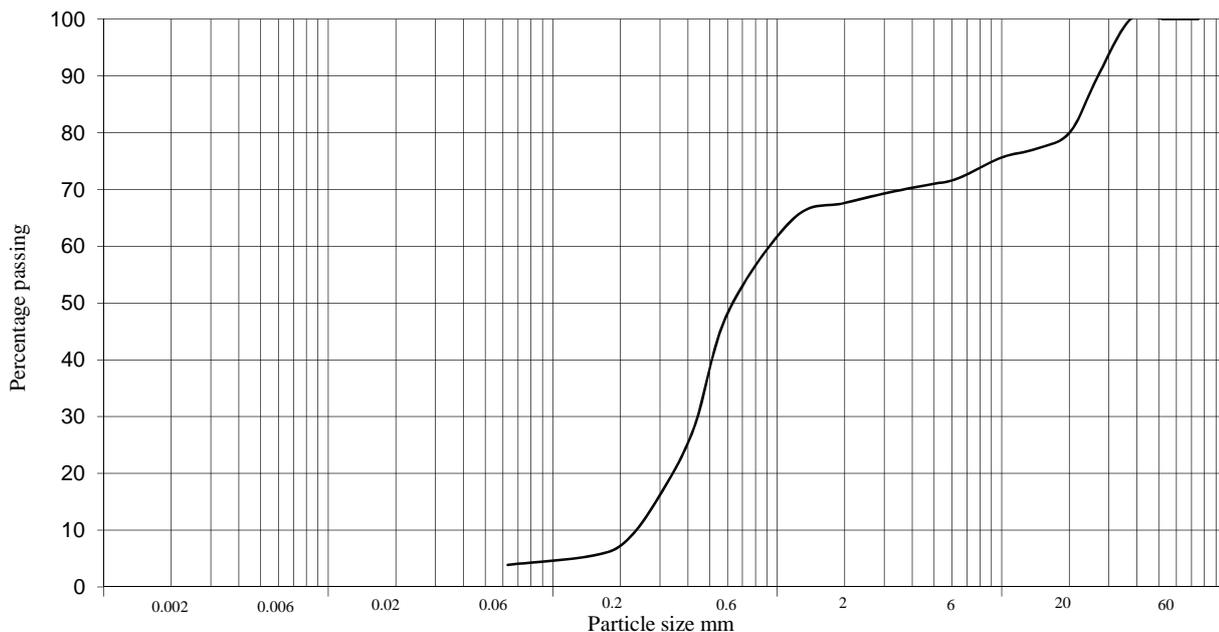
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 15 | 50mm | | | |
| Sample Depth: | 5.50m -6.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | 89.56 | | |
| | | 20mm | 79.96 | | |
| | | 14mm | 77.07 | | |
| | | 10mm | 75.62 | | |
| | | 6.3mm | 71.84 | | |
| | | 5mm | 71.00 | | |
| Hydrometer No.: | | 3.5mm | 69.68 | | |
| SG Gs: | | 2mm | 67.60 | | |
| Water Visc. (N): | | 1.18mm | 64.86 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 48.17 | | |
| | | 425µm | 28.00 | | |
| | | 300µm | 16.19 | | |
| | | 212µm | 8.07 | | |
| | | 150µm | 5.49 | | |
| | | 63µm | 3.87 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

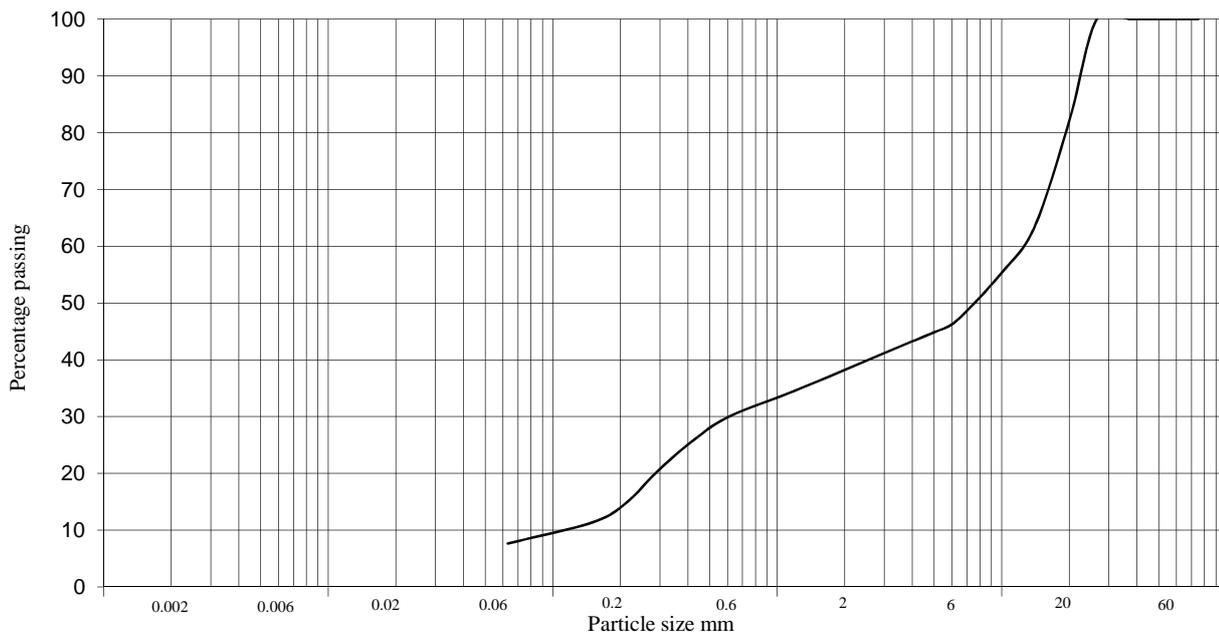
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 16 | 50mm | | | |
| Sample Depth: | 1.60m -2.00m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 82.15 | | |
| | | 14mm | 63.45 | | |
| | | 10mm | 55.37 | | |
| | | 6.3mm | 46.92 | | |
| | | 5mm | 44.87 | | |
| Hydrometer No.: | | 3.5mm | 42.02 | | |
| SG Gs: | | 2mm | 38.22 | | |
| Water Visc. (N): | | 1.18mm | 34.47 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 29.87 | | |
| | | 425µm | 25.88 | | |
| | | 300µm | 20.81 | | |
| | | 212µm | 14.79 | | |
| | | 150µm | 11.36 | | |
| | | 63µm | 7.64 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

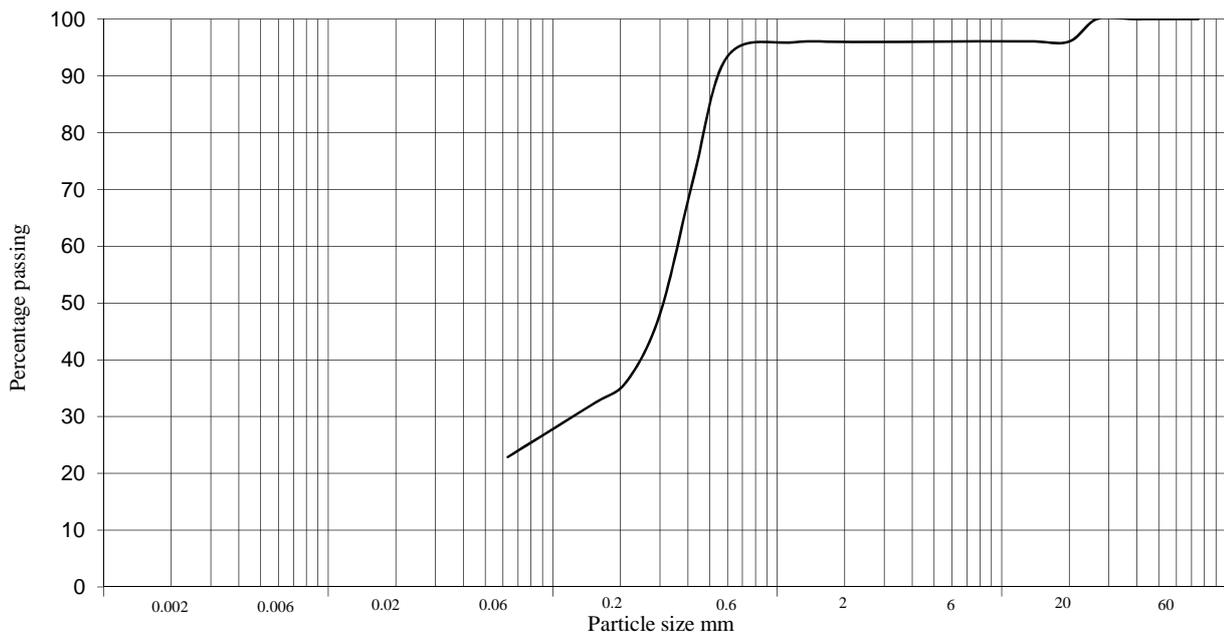
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|-------|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: Jones Lang Lasalle Site: Latchmere House, Church Road, Ham Common, Richmond Test Location: CT 17 Sample Depth: 0.90m -1.50m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g): | | 75mm | | | |
| | | 63mm | | | |
| | | 50mm | | | |
| | | 37.5mm | | | |
| | | 26.5mm | | | |
| | | 20mm | 96.03 | | |
| | | 14mm | | | |
| | | 10mm | | | |
| | | 6.3mm | | | |
| | | 5mm | | | |
| | | 3.5mm | 95.97 | | |
| | | 2mm | 95.93 | | |
| | | 1.18mm | 95.86 | | |
| | | 600µm | 93.43 | | |
| | | 425µm | 72.29 | | |
| | 300µm | 48.04 | | | |
| | 212µm | 36.06 | | | |
| | 150µm | 32.15 | | | |
| | 63µm | 22.87 | | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

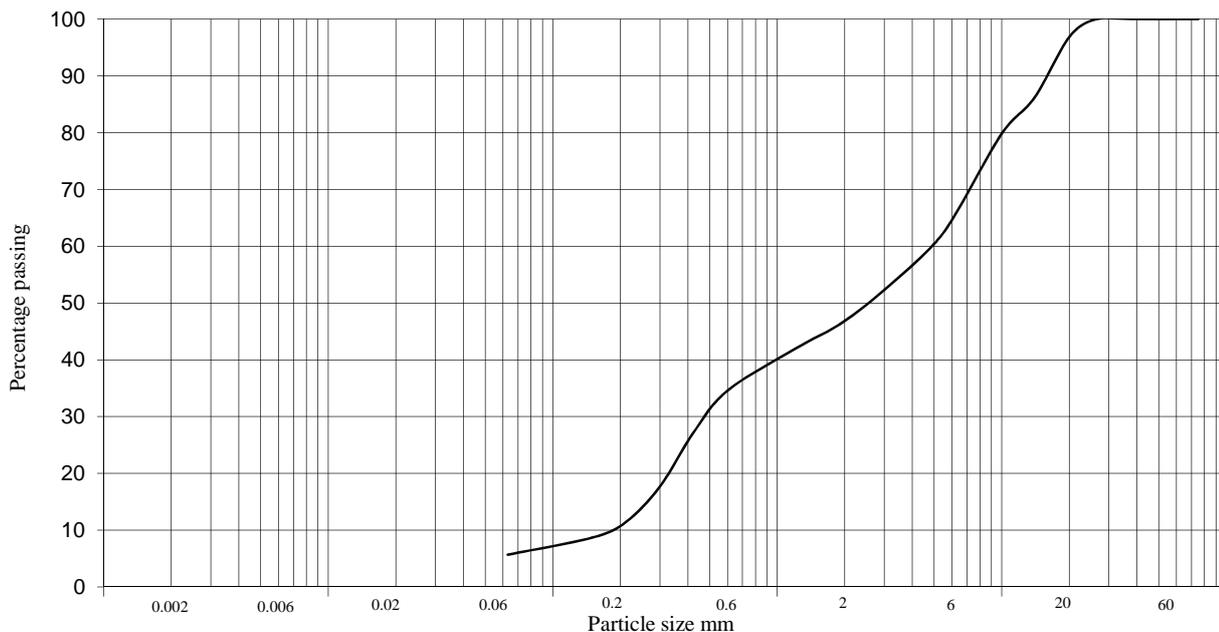
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 17 | 50mm | | | |
| Sample Depth: | 2.50m -2.80m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 96.88 | | |
| | | 14mm | 86.21 | | |
| | | 10mm | 79.86 | | |
| | | 6.3mm | 66.01 | | |
| | | 5mm | 60.43 | | |
| Hydrometer No.: | | 3.5mm | 53.98 | | |
| SG Gs: | | 2mm | 46.84 | | |
| Water Visc. (N): | | 1.18mm | 41.77 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 34.57 | | |
| | | 425µm | 27.31 | | |
| | | 300µm | 17.69 | | |
| | | 212µm | 11.45 | | |
| | | 150µm | 8.69 | | |
| | | 63µm | 5.67 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

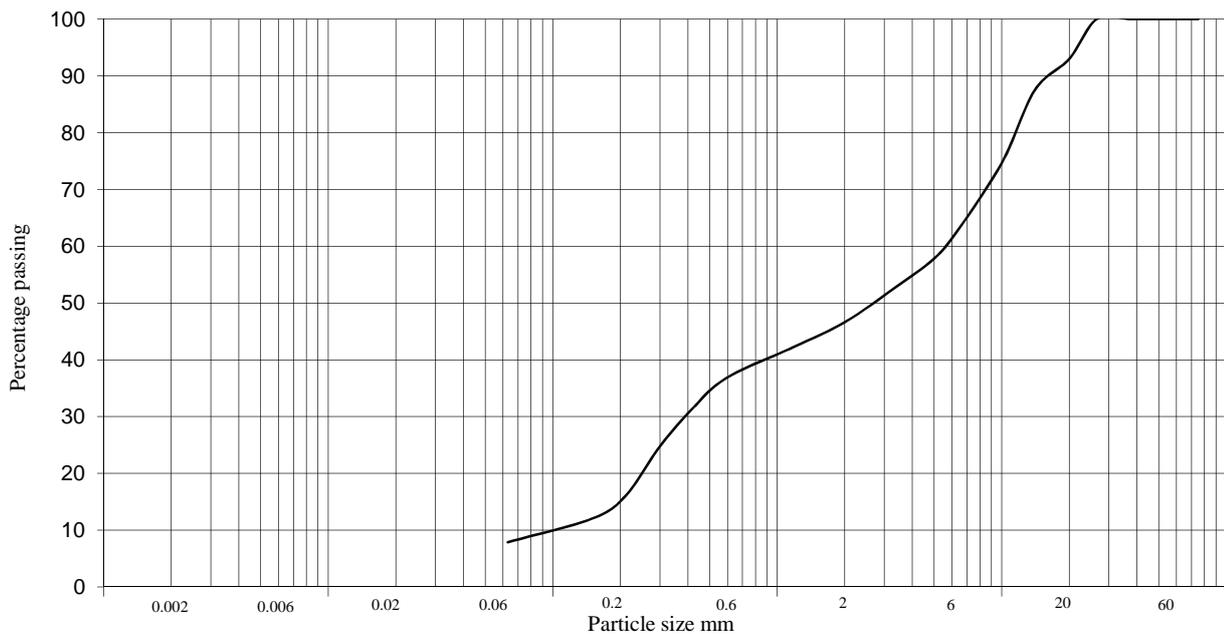
Telephone:- 01327 860947/860060

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Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

| | | Test Method: BS 1377 : Part 2 : 1990 : 9.2 | | | |
|---|--|--|------------------------|------------------------------|------------------------|
| | | BS test sieve | Cumulative Passing - % | Hydrometer Particle Diameter | Cumulative Passing - % |
| Client: | Jones Lang Lasalle | 75mm | | | |
| Site: | Latchmere House, Church Road, Ham Common, Richmond | 63mm | | | |
| Test Location: | CT 18 | 50mm | | | |
| Sample Depth: | 1.90m -2.60m | 37.5mm | | | |
| Sample Description: | | 26.5mm | | | |
| | | 20mm | 93.00 | | |
| | | 14mm | 87.43 | | |
| | | 10mm | 74.66 | | |
| | | 6.3mm | 62.56 | | |
| | | 5mm | 57.85 | | |
| Hydrometer No.: | | 3.5mm | 52.73 | | |
| SG Gs: | | 2mm | 46.64 | | |
| Water Visc. (N): | | 1.18mm | 42.23 | | |
| Dry Mass of Soil after pretreatment (g): | | 600µm | 36.92 | | |
| | | 425µm | 31.68 | | |
| | | 300µm | 24.78 | | |
| | | 212µm | 16.16 | | |
| | | 150µm | 12.06 | | |
| | | 63µm | 7.88 | | |



| | | | | | | | | | | |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coarse | COBBLES |
| | SILT | | | SAND | | | GRAVEL | | | |

| | | | |
|----------------------------|-----------------------------------|------------|--------------------------|
| Report Date August 2012 | PARTICLE SIZE DISTRIBUTION | Client Ref | Project Ref 12.07.020 |
|----------------------------|-----------------------------------|------------|--------------------------|

GroundTech Laboratories

Geotechnical Testing Facility

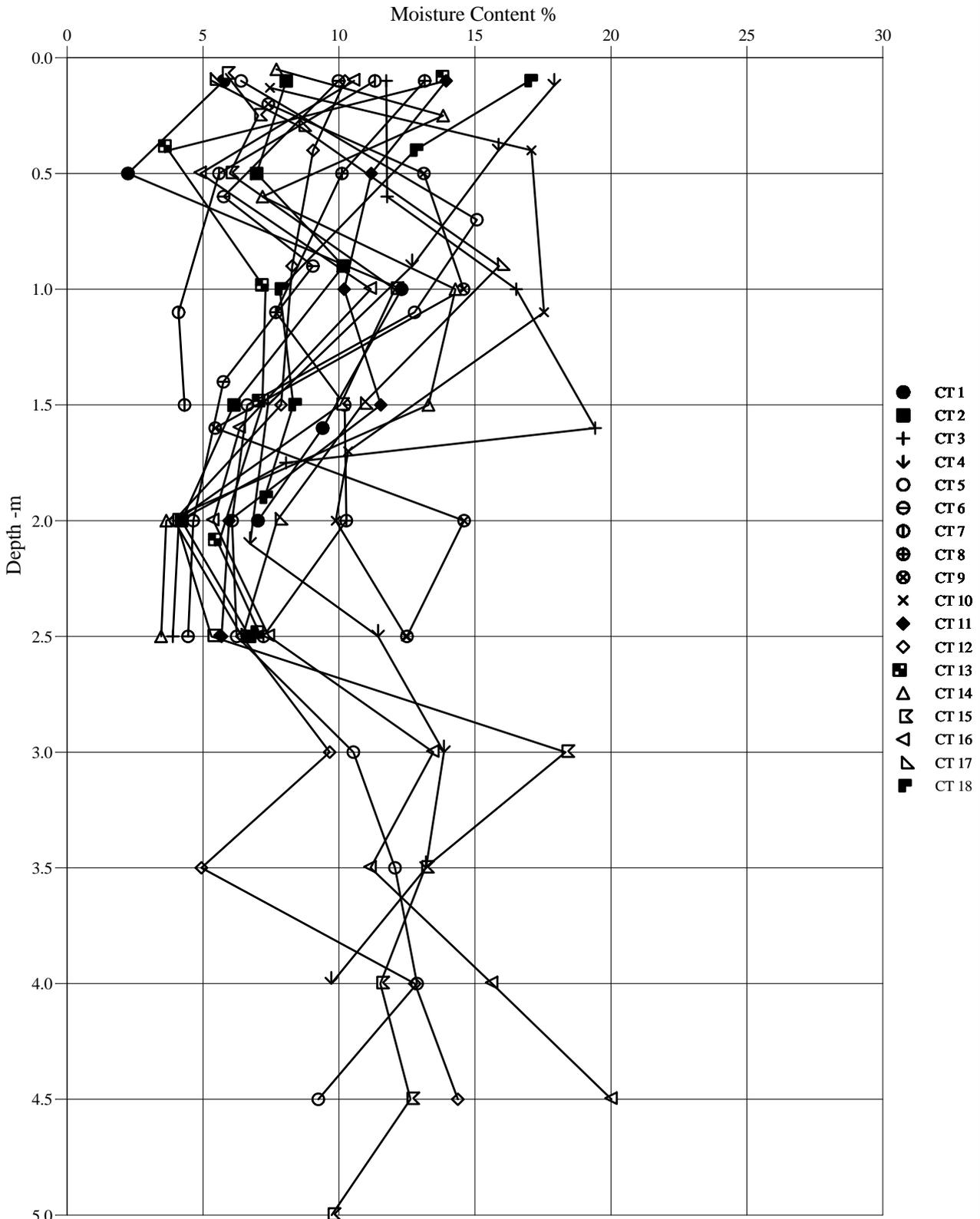
Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Quality Assured to ISO9001

Site: **Latchmere House, Church Road, Ham Common, Richmond, Surrey**



Date
August 2012

MOISTURE CONTENT v DEPTH

Lab Ref. **12.07.020**

Client Ref.

LABORATORY TEST REPORT

Results of analysis of 14 samples
 received 1 August 2012

Report Date
09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

| | | | | | 210410 | | | | | |
|------|------------------------------|---------|---------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | AH58704 | AH58705 | AH58706 | AH58707 | AH58708 | AH58709 |
| | | | | | 1 | 4 | 5 | 6 | 8 | 9 |
| | | | | | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 |
| | | | | | 0.50m | 0.40m | 0.70m | 0.60m | 0.50m | 0.50m |
| | | | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| SOP↓ | Determinand↓ | CAS No↓ | Units↓ | * | | | | | | |
| 2120 | Boron (hot water soluble) | 7440428 | mg kg ⁻¹ | M | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| 2450 | Arsenic | 7440382 | mg kg ⁻¹ | M | 5.6 | <2.0 | <2.0 | 3.7 | <2.0 | <2.0 |
| | Cadmium | 7440439 | mg kg ⁻¹ | M | 0.15 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| | Chromium | 7440473 | mg kg ⁻¹ | M | 10 | 12 | 12 | 16 | 8.9 | 10 |
| | Copper | 7440508 | mg kg ⁻¹ | M | 55 | 5.7 | 13 | 17 | <5.0 | <5.0 |
| | Mercury | 7439976 | mg kg ⁻¹ | M | 0.17 | <0.10 | 0.12 | 0.17 | <0.10 | <0.10 |
| | Nickel | 7440020 | mg kg ⁻¹ | M | 20 | 6.0 | 7.5 | 11 | 6.7 | 5.9 |
| | Lead | 7439921 | mg kg ⁻¹ | M | 430 | 9.4 | 55 | 640 | 18 | 11 |
| | Selenium | 7782492 | mg kg ⁻¹ | M | 0.62 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| | Zinc | 7440666 | mg kg ⁻¹ | M | 140 | 16 | 20 | 45 | <10 | 15 |
| 2670 | TPH >C5-C6 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C6-C7 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C7-C8 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C8-C10 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C10-C12 | | mg kg ⁻¹ | M | < 0.1 | 0.19 | 0.22 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C12-C16 | | mg kg ⁻¹ | M | < 0.1 | 2.2 | 1.6 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C16-C21 | | mg kg ⁻¹ | M | < 0.1 | 3.3 | 6.7 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C21-C35 | | mg kg ⁻¹ | M | < 0.1 | 6.8 | 20 | < 0.1 | < 0.1 | < 0.1 |
| | Total Petroleum Hydrocarbons | | mg kg ⁻¹ | U | < 10 | 12 | 28 | < 10 | < 10 | < 10 |
| 2700 | Naphthalene | 91203 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Acenaphthylene | 208968 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Acenaphthene | 83329 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Fluorene | 86737 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |

LABORATORY TEST REPORT

Results of analysis of 14 samples
 received 1 August 2012

Report Date
09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

| | | | | | 210410 | | | | | |
|------|------------------------------|---------|---------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | AH58710 | AH58711 | AH58712 | AH58713 | AH58714 | AH58715 |
| | | | | | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 |
| | | | | | 0.40m | 0.50m | 0.90m | 0.40m | 0.60m | 0.50m |
| | | | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| 2120 | Boron (hot water soluble) | 7440428 | mg kg ⁻¹ | M | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| 2450 | Arsenic | 7440382 | mg kg ⁻¹ | M | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | Cadmium | 7440439 | mg kg ⁻¹ | M | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| | Chromium | 7440473 | mg kg ⁻¹ | M | 5.5 | 13 | 12 | 17 | 9.1 | <5.0 |
| | Copper | 7440508 | mg kg ⁻¹ | M | <5.0 | 21 | <5.0 | 7.5 | <5.0 | <5.0 |
| | Mercury | 7439976 | mg kg ⁻¹ | M | <0.10 | 0.33 | <0.10 | <0.10 | <0.10 | <0.10 |
| | Nickel | 7440020 | mg kg ⁻¹ | M | <5.0 | 9.9 | 7.4 | 7.8 | <5.0 | <5.0 |
| | Lead | 7439921 | mg kg ⁻¹ | M | <5.0 | 200 | 73 | 29 | 36 | 7.6 |
| | Selenium | 7782492 | mg kg ⁻¹ | M | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| | Zinc | 7440666 | mg kg ⁻¹ | M | <10 | 57 | 20 | 20 | 13 | 12 |
| 2670 | TPH >C5-C6 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C6-C7 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C7-C8 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C8-C10 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | TPH >C10-C12 | | mg kg ⁻¹ | M | 0.31 | < 0.1 | 0.32 | < 0.1 | < 0.1 | 0.21 |
| | TPH >C12-C16 | | mg kg ⁻¹ | M | 1.4 | < 0.1 | 1.3 | 0.91 | < 0.1 | 2.0 |
| | TPH >C16-C21 | | mg kg ⁻¹ | M | 2.7 | < 0.1 | 2.6 | 1.5 | < 0.1 | 30 |
| | TPH >C21-C35 | | mg kg ⁻¹ | M | 8.7 | < 0.1 | 7.4 | 2.9 | < 0.1 | 64 |
| | Total Petroleum Hydrocarbons | | mg kg ⁻¹ | U | 13 | < 10 | 12 | < 10 | < 10 | 97 |
| 2700 | Naphthalene | 91203 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Acenaphthylene | 208968 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Acenaphthene | 83329 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Fluorene | 86737 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 0.12 |

LABORATORY TEST REPORT

Results of analysis of 14 samples
 received 1 August 2012

Report Date
 09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

210410

AH58716 AH58717

16 18

26/7/2012 26/7/2012

0.50m 0.40m

SOIL SOIL

| SOP↓ | Determinand↓ | CAS No↓ | Units↓ | | AH58716 | AH58717 |
|------|------------------------------|---------|---------------------|---|---------|---------|
| 2120 | Boron (hot water soluble) | 7440428 | mg kg ⁻¹ | M | <0.4 | <0.4 |
| 2450 | Arsenic | 7440382 | mg kg ⁻¹ | M | <2.0 | <2.0 |
| | Cadmium | 7440439 | mg kg ⁻¹ | M | <0.10 | <0.10 |
| | Chromium | 7440473 | mg kg ⁻¹ | M | <5.0 | 8.7 |
| | Copper | 7440508 | mg kg ⁻¹ | M | <5.0 | 5.4 |
| | Mercury | 7439976 | mg kg ⁻¹ | M | <0.10 | 0.10 |
| | Nickel | 7440020 | mg kg ⁻¹ | M | <5.0 | <5.0 |
| | Lead | 7439921 | mg kg ⁻¹ | M | 13 | 30 |
| | Selenium | 7782492 | mg kg ⁻¹ | M | <0.20 | <0.20 |
| | Zinc | 7440666 | mg kg ⁻¹ | M | <10 | 13 |
| 2670 | TPH >C5-C6 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 |
| | TPH >C6-C7 | | mg kg ⁻¹ | U | < 0.1 | < 0.1 |
| | TPH >C7-C8 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 |
| | TPH >C8-C10 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 |
| | TPH >C10-C12 | | mg kg ⁻¹ | M | < 0.1 | < 0.1 |
| | TPH >C12-C16 | | mg kg ⁻¹ | M | 1.8 | 0.86 |
| | TPH >C16-C21 | | mg kg ⁻¹ | M | 1.6 | 1.7 |
| | TPH >C21-C35 | | mg kg ⁻¹ | M | 3.1 | 5.6 |
| | Total Petroleum Hydrocarbons | | mg kg ⁻¹ | U | < 10 | < 10 |
| 2700 | Naphthalene | 91203 | mg kg ⁻¹ | M | 0.17 | 0.37 |
| | Acenaphthylene | 208968 | mg kg ⁻¹ | M | 0.23 | 0.94 |
| | Acenaphthene | 83329 | mg kg ⁻¹ | M | 0.28 | < 0.1 |
| | Fluorene | 86737 | mg kg ⁻¹ | M | 0.26 | 0.65 |

LABORATORY TEST REPORT

Results of analysis of 14 samples
 received 1 August 2012

Report Date
09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

| 210410 | | | | | | | | | | |
|--------|------------------------|--------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| | | | | AH58704 | AH58705 | AH58706 | AH58707 | AH58708 | AH58709 | |
| | | | | 1 | 4 | 5 | 6 | 8 | 9 | |
| | | | | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | |
| | | | | 0.50m | 0.40m | 0.70m | 0.60m | 0.50m | 0.50m | |
| | | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | |
| 2700 | Phenanthrene | 85018 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.37 | < 0.1 | < 0.1 | < 0.1 |
| | Anthracene | 120127 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Fluoranthene | 206440 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 1.1 | < 0.1 | < 0.1 | < 0.1 |
| | Pyrene | 129000 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 1.1 | < 0.1 | < 0.1 | < 0.1 |
| | Benzo[a]anthracene | 56553 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.77 | < 0.1 | < 0.1 | < 0.1 |
| | Chrysene | 218019 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.77 | < 0.1 | < 0.1 | < 0.1 |
| | Benzo[b]fluoranthene | 205992 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.7 | < 0.1 | < 0.1 | < 0.1 |
| | Benzo[k]fluoranthene | 207089 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.59 | < 0.1 | < 0.1 | < 0.1 |
| | Benzo[a]pyrene | 50328 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.75 | < 0.1 | < 0.1 | < 0.1 |
| | Dibenzo[a,h]anthracene | 53703 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | Indeno[1,2,3-cd]pyrene | 193395 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.44 | < 0.1 | < 0.1 | < 0.1 |
| | Benzo[g,h,i]perylene | 191242 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | 0.2 | < 0.1 | < 0.1 | < 0.1 |
| | Total (of 16) PAHs | | mg kg ⁻¹ | M | < 2 | < 2 | 6.9 | < 2 | < 2 | < 2 |

LABORATORY TEST REPORT

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 received 1 August 2012

Report Date
09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

| 210410 | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|
| AH58710 | AH58711 | AH58712 | AH58713 | AH58714 | AH58715 |
| 10 | 11 | 12 | 13 | 14 | 15 |
| 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 | 26/7/2012 |
| 0.40m | 0.50m | 0.90m | 0.40m | 0.60m | 0.50m |
| SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |

| 2700 | | | | | AH58710 | AH58711 | AH58712 | AH58713 | AH58714 | AH58715 |
|------|------------------------|--------|---------------------|---|---------|---------|---------|---------|---------|---------|
| | Phenanthrene | 85018 | mg kg ⁻¹ | M | 0.29 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 2.4 |
| | Anthracene | 120127 | mg kg ⁻¹ | M | 0.16 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 0.87 |
| | Fluoranthene | 206440 | mg kg ⁻¹ | M | 1.6 | < 0.1 | 0.69 | < 0.1 | < 0.1 | 7.5 |
| | Pyrene | 129000 | mg kg ⁻¹ | M | 1.3 | < 0.1 | 0.62 | < 0.1 | < 0.1 | 6.4 |
| | Benzo[a]anthracene | 56553 | mg kg ⁻¹ | M | 1.1 | < 0.1 | 0.22 | < 0.1 | < 0.1 | 4.1 |
| | Chrysene | 218019 | mg kg ⁻¹ | M | 1.1 | < 0.1 | 0.26 | < 0.1 | < 0.1 | 4.2 |
| | Benzo[b]fluoranthene | 205992 | mg kg ⁻¹ | M | 0.98 | < 0.1 | 0.33 | < 0.1 | < 0.1 | 3.2 |
| | Benzo[k]fluoranthene | 207089 | mg kg ⁻¹ | M | 0.67 | < 0.1 | 0.18 | < 0.1 | < 0.1 | 2.2 |
| | Benzo[a]pyrene | 50328 | mg kg ⁻¹ | M | 1.1 | < 0.1 | 0.17 | < 0.1 | < 0.1 | 3.8 |
| | Dibenzo[a,h]anthracene | 53703 | mg kg ⁻¹ | M | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 0.5 |
| | Indeno[1,2,3-cd]pyrene | 193395 | mg kg ⁻¹ | M | 0.68 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 0.67 |
| | Benzo[g,h,i]perylene | 191242 | mg kg ⁻¹ | M | 0.69 | < 0.1 | 0.22 | < 0.1 | < 0.1 | 2 |
| | Total (of 16) PAHs | | mg kg ⁻¹ | M | 9.7 | < 2 | 2.7 | < 2 | < 2 | 38 |

LABORATORY TEST REPORT

Results of analysis of 14 samples
 received 1 August 2012

Report Date
 09 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

| 210410 | |
|-----------|-----------|
| AH58716 | AH58717 |
| 16 | 18 |
| 26/7/2012 | 26/7/2012 |
| 0.50m | 0.40m |
| SOIL | SOIL |

| | | | | | | |
|------|------------------------|--------|---------------------|---|-------|------|
| 2700 | Phenanthrene | 85018 | mg kg ⁻¹ | M | < 0.1 | 0.73 |
| | Anthracene | 120127 | mg kg ⁻¹ | M | < 0.1 | 0.38 |
| | Fluoranthene | 206440 | mg kg ⁻¹ | M | 0.13 | 0.81 |
| | Pyrene | 129000 | mg kg ⁻¹ | M | < 0.1 | 0.28 |
| | Benzo[a]anthracene | 56553 | mg kg ⁻¹ | M | 0.3 | 0.28 |
| | Chrysene | 218019 | mg kg ⁻¹ | M | 1.4 | 0.24 |
| | Benzo[b]fluoranthene | 205992 | mg kg ⁻¹ | M | < 0.1 | 0.52 |
| | Benzo[k]fluoranthene | 207089 | mg kg ⁻¹ | M | 0.2 | 0.33 |
| | Benzo[a]pyrene | 50328 | mg kg ⁻¹ | M | 0.16 | 1.2 |
| | Dibenzo[a,h]anthracene | 53703 | mg kg ⁻¹ | M | 0.1 | 0.14 |
| | Indeno[1,2,3-cd]pyrene | 193395 | mg kg ⁻¹ | M | 0.28 | 0.96 |
| | Benzo[g,h,i]perylene | 191242 | mg kg ⁻¹ | M | 0.86 | 1.7 |
| | Total (of 16) PAHs | | mg kg ⁻¹ | M | 4.4 | 9.5 |

APPENDIX 'C'
Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

40288424_1_1

Customer Reference:

12.07.020

National Grid Reference:

518510, 171310

Slice:

A

Site Area (Ha):

3.5

Search Buffer (m):

1000

Site Details:

H M Resettlement Prison, Latchmere House

Church Road, Ham

RICHMOND

Surrey

TW10 5HH

Client Details:

MR M Bateman

Listers Geotechnical Consultants Ltd

Slapton Hill Barn

Blakesley Road

Slapton

Nr Towcester

Northants

NN12 8QD

| Report Section | Page Number |
|----------------------------------|--------------------|
| Summary | - |
| Agency & Hydrological | 1 |
| Waste | 12 |
| Hazardous Substances | - |
| Geological | 13 |
| Industrial Land Use | 23 |
| Sensitive Land Use | 29 |
| Data Currency | 30 |
| Data Suppliers | 36 |
| Useful Contacts | 37 |

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|-------------|---------|-----------|-------------|-----------------------------|
| Agency & Hydrological | | | | | |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 1 | | 2 | 2 | 3 |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | | | | | |
| Integrated Pollution Prevention And Control | | | | | |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 2 | | 1 | | 4 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 3 | | Yes | | |
| Pollution Incidents to Controlled Waters | pg 3 | | | 1 | 16 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Prosecutions Relating to Controlled Waters | | | | | |
| Registered Radioactive Substances | | | | | |
| River Quality | pg 6 | | | | 1 |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 6 | | | | (*19) |
| Water Industry Act Referrals | pg 11 | | | | 1 |
| Groundwater Vulnerability | pg 11 | Yes | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 11 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 11 | Yes | n/a | n/a | n/a |
| Source Protection Zones | | | | | |
| Extreme Flooding from Rivers or Sea without Defences | | | | n/a | n/a |
| Flooding from Rivers or Sea without Defences | | | | n/a | n/a |
| Areas Benefiting from Flood Defences | | | | n/a | n/a |
| Flood Water Storage Areas | | | | n/a | n/a |
| Flood Defences | | | | n/a | n/a |
| Waste | | | | | |
| BGS Recorded Landfill Sites | | | | | |
| Historical Landfill Sites | pg 12 | | | | 1 |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | | | | | |
| Local Authority Recorded Landfill Sites | | | | | |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | | | | | |
| Registered Waste Treatment or Disposal Sites | | | | | |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|-------------|---------|-----------|-------------|--------------------------------|
| Hazardous Substances | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |
| Geological | | | | | |
| BGS 1:625,000 Solid Geology | pg 13 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | pg 13 | Yes | Yes | Yes | Yes |
| BGS Recorded Mineral Sites | | | | | |
| BGS Urban Soil Chemistry | pg 18 | | Yes | Yes | Yes |
| BGS Urban Soil Chemistry Averages | pg 21 | Yes | | | |
| Brine Compensation Area | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | | | n/a | n/a | n/a |
| Mining Instability | | | n/a | n/a | n/a |
| Man-Made Mining Cavities | | | | | |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | | | | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 22 | Yes | | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 22 | | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | | | | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 22 | Yes | | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 22 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 22 | Yes | | n/a | n/a |
| Radon Potential - Radon Affected Areas | | | n/a | n/a | n/a |
| Radon Potential - Radon Protection Measures | | | n/a | n/a | n/a |
| Industrial Land Use | | | | | |
| Contemporary Trade Directory Entries | pg 23 | | 7 | 9 | 43 |
| Fuel Station Entries | pg 28 | | | | 3 |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| Sensitive Land Use | | | | | |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | pg 29 | 1 | | | |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | pg 29 | | | 1 | |
| National Parks | | | | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | pg 29 | 1 | | | |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | pg 29 | | | 1 | |
| Special Areas of Conservation | pg 29 | | | 1 | |
| Special Protection Areas | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 1 | Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Latchmere Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1312 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m | A13NE (NE) | 32 | 1 | 518600 171400 |
| 1 | Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Latchmere Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1312 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Thames Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m | A13NE (NE) | 32 | 1 | 518600 171400 |
| 2 | Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Parkleys Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1671 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Thames Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m | A12NE (NW) | 386 | 1 | 518100 171600 |
| 2 | Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Parkleys Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1671 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Thames Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m | A12NE (NW) | 386 | 1 | 518100 171600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 3 | <p>Discharge Consents</p> <p>Operator: Taylor Woodrow Plc Property Type: Industrial Parks & Estates Location: Former British Aerospace Site, Richmond Road, Kingston Upon Thames, Surrey Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntm.1615 Permit Version: 1 Effective Date: 25th October 1994 Issued Date: 25th October 1994 Revocation Date: 19th September 1995 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Into Land Discharge Environment: Receiving Water: Sands And Gravels Over London Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m</p> | A12SW (W) | 705 | 1 | 517700 171230 |
| 4 | <p>Discharge Consents</p> <p>Operator: Taylor Woodrow Plc Property Type: Industrial Parks & Estates Location: Former British Aerospace Site, Richmond Road, Kingston Upon Thames, Surrey Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntm.1614 Permit Version: 1 Effective Date: 25th October 1994 Issued Date: 25th October 1994 Revocation Date: 19th September 1995 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Into Land Discharge Environment: Receiving Water: Sands And Gravels Over London Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 763 | 1 | 517650 171330 |
| 5 | <p>Discharge Consents</p> <p>Operator: J. Hennequin Property Type: Domestic Property (Single) Location: 27a Trowlock Island, Teddington, Middlesex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.0626 Permit Version: 1 Effective Date: 30th January 1986 Issued Date: 30th January 1986 Revocation Date: 22nd May 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Receiving Water: River Thames Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m</p> | A7NW (SW) | 854 | 1 | 517610 170910 |
| 6 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: The Ryders Location: Church Road, Ham, Tw10 5hl Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 32 Dated: 13th February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A13NE (NE) | 117 | 2 | 518747 171412 |
| 7 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Divine Dry Cleaners Location: 424 Richmond Road, Ham, Kt2 5pu Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 24 Dated: 29th March 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A12NW (W) | 638 | 2 | 517805 171565 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|---------------|
| 8 | Local Authority Pollution Prevention and Controls Name: Albany Park Service Station Location: 215 Richmond Road, KINGSTON UPON THAMES, Surrey, KT2 5DD Authority: Royal Borough of Kingston upon Thames, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 659 | 3 | 518047 170637 |
| 9 | Local Authority Pollution Prevention and Controls Name: Ham Cross Service Station Location: 297 Richmond Road, KINGSTON UPON THAMES, Surrey, KT2 5QU Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 16/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | 2 | 517745 171527 |
| 10 | Local Authority Pollution Prevention and Controls Name: Shell Location: 164 London Road, KINGSTON UPON THAMES, Surrey, KT2 5HD Authority: Royal Borough of Kingston upon Thames, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address | A8SW (S) | 879 | 3 | 518192 170312 |
| | Nearest Surface Water Feature | A13NE (NE) | 120 | - | 518741 171438 |
| 11 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Richmond Park Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 4th April 1991 Incident Reference: SE910080 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A14NW (E) | 384 | 1 | 519000 171500 |
| 12 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 1st December 1991 Incident Reference: SE910346 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12NE (W) | 535 | 1 | 517880 171370 |
| 13 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: KINGSTON Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 26th November 1991 Incident Reference: SE910323 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 685 | 1 | 517800 170900 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 14 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: KINGSTON, Surrey Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 28th July 1997 Incident Reference: THSE1997028749 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12SW (W) | 706 | 1 | 517700 171200 |
| 15 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road, KINGSTON Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 21st February 1993 Incident Reference: SE930047 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 731 | 1 | 517730 170940 |
| 16 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: TEDDINGTON Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 28th July 1996 Incident Reference: SE960390 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 797 | 1 | 517700 170850 |
| 17 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: KINGSTON Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 8th February 1991 Incident Reference: SE910033 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12NW (W) | 816 | 1 | 517600 171400 |
| 18 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 29th June 1992 Incident Reference: SE920207 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 843 | 1 | 517950 170480 |
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th April 1992 Incident Reference: SE920139 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 851 | 1 | 517910 170500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Broom Park Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th May 1989 Incident Reference: N1890276 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 858 | 1 | 517900 170500 |
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: SE940286 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 858 | 1 | 517905 170495 |
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: One-Mile Tree Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 12th September 1991 Incident Reference: SE910265 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 862 | 1 | 517900 170495 |
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gosshill Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 30th September 1992 Incident Reference: SE920302 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 873 | 1 | 517900 170480 |
| 19 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Ham Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 30th September 1992 Incident Reference: SE920303 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 877 | 1 | 517900 170475 |
| 20 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Hamm Road Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th November 1993 Incident Reference: SE930367 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SW (SW) | 855 | 1 | 517800 170600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 20 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lower Hamm Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 22nd November 1993 Incident Reference: SE930368 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A7SW (SW) | 858 | 1 | 517800 170595 |
| 21 | Pollution Incidents to Controlled Waters Property Type: Not Given Location: KINGSTON UPON THAMES Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Yes Incident Date: 10th August 1992 Incident Reference: SE920253 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A11SE (W) | 909 | 1 | 517500 171300 |
| | River Quality Name: Thames GQA Grade: River Quality B Reach: Hogsmill - Teddington Estimated Distance (km): 2.7 Flow Rate: Flow less than 80 cumecs Flow Type: River Year: 2000 | A7NW (SW) | 795 | 1 | 517789 170710 |
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 101 Location: Richmond Golf Club - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A23SW (N) | 1021 | 1 | 518200 172450 |
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 100 Location: Richmond Golf Club - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 269 Yearly Rate (m3): 28200 Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 11th February 1974 Permit End Date: 30th September 2007 Positional Accuracy: Located by supplier to within 100m | A23SW (N) | 1021 | 1 | 518200 172450 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 101 Location: Richmond Golf Club - Borehole 'B' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A22SE (N) | 1221 | 1 | 518020 172600 |
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 100 Location: Richmond Golf Club - Borehole 'B' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 11th February 1974 Permit End Date: 30th September 2007 Positional Accuracy: Located by supplier to within 10m | A22SE (N) | 1221 | 1 | 518020 172600 |
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 101 Location: Richmond Golf Club - Borehole 'C' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A23NW (N) | 1383 | 1 | 518250 172830 |
| | Water Abstractions Operator: Richmond Golf Club Licence Number: 28/39/35/0005 Permit Version: 100 Location: Richmond Golf Club - Borehole 'C' Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Golf Club, Sudbrook Park Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 11th February 1974 Permit End Date: 30th September 2007 Positional Accuracy: Located by supplier to within 10m | A23NW (N) | 1383 | 1 | 518250 172830 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Lensbury Limited Licence Number: 28/39/34/0007 Permit Version: 102 Location: Borehole 'B' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Lensbury Club, Teddington, Middlesex. Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 23rd November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A11SW (W) | 1386 | 1 | 517020 171260 |
| | Water Abstractions Operator: Lensbury Limited Licence Number: 28/39/34/0007 Permit Version: 101 Location: Borehole 'B' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lensbury Club, Teddington, Middlesex Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 22nd December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A11SW (W) | 1386 | 1 | 517020 171260 |
| | Water Abstractions Operator: Trustees Of The Lensbury Club Licence Number: 28/39/34/0007 Permit Version: 100 Location: Borehole 'B' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 6000 Details: Lensbury Club, Teddington, Middlesex Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 25th October 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m | A11SW (W) | 1405 | 1 | 517000 171200 |
| | Water Abstractions Operator: Bg Plc Licence Number: 28/39/33/0020 Permit Version: 1 Location: Richmond Road, Kingston - Point 'B' Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Road, Kingston Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A2SE (S) | 1425 | 1 | 518000 169800 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Bg Plc Licence Number: 28/39/33/0020 Permit Version: 1 Location: Richmond Road, Kingston - Point 'A' Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richmond Road, Kingston Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A2SE (S) | 1553 | 1 | 517900 169700 |
| | Water Abstractions Operator: The Catholic Education Service Licence Number: 28/39/34/0010 Permit Version: 1 Location: Borehole 'A' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kingston Road, Teddington, M'Sex Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (W) | 1725 | 1 | 516680 171240 |
| | Water Abstractions Operator: The Catholic Education Service Licence Number: 28/39/34/0010 Permit Version: 1 Location: Borehole 'A' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Private Water Undertaking: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kingston Road, Teddington, M'Sex Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (W) | 1725 | 1 | 516680 171240 |
| | Water Abstractions Operator: Trustees Of The Lensbury Club Licence Number: 28/39/34/0007 Permit Version: 100 Location: Borehole 'A' At Lensbury Club, Teddington Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 6000 Details: Lensbury Club, Teddington, Middlesex Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 25th October 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m | (W) | 1805 | 1 | 516600 171200 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Petersham Nurseries Limited Licence Number: 28/39/35/0004 Permit Version: 100 Location: Gravels At 143 Petersham Road, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27 Yearly Rate (m3): 227 Details: Gravels At 143 Petersham Road, Richmond, Surrey Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 9th July 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m | (N) | 1872 | 1 | 518100 173300 |
| | Water Abstractions Operator: Petersham Nurseries Limited Licence Number: 28/39/35/0004 Permit Version: 100 Location: Gravels At 143 Petersham Road, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Horticulture and Nurseries: Spray Irrigation - Spray Irrigation Definition Order Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gravels At 143 Petersham Road, Richmond, Surrey Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 9th July 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (N) | 1872 | 1 | 518100 173300 |
| | Water Abstractions Operator: Petersham Nurseries Limited Licence Number: 28/39/35/0004 Permit Version: 102 Location: Gravels At 143 Petersham Road, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Petersham Nurseries, Petersham Road, Richmond, Surrey Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 15th May 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (N) | 1896 | 1 | 518080 173320 |
| | Water Abstractions Operator: Petersham Nurseries Limited Licence Number: 28/39/35/0004 Permit Version: 101 Location: Gravels At 143 Petersham Road, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gravels At 143 Petersham Road, Richmond, Surrey Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 11th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (N) | 1896 | 1 | 518080 173320 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Petersham Nurseries Limited Licence Number: 28/39/35/0004 Permit Version: 101 Location: Gravels At 143 Petersham Road, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Horticulture and Nurseries: Spray Irrigation - Spray Irrigation Definition Order Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gravels At 143 Petersham Road, Richmond, Surrey Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 11th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | (N) | 1896 | 1 | 518080 173320 |
| 22 | Water Industry Act Referrals Name: Bae Systems Plc Location: Military Aircraft Division, Richmond Road, KINGSTON UPON THAMES, Surrey, KT2 5QS Authority: Environment Agency, Thames Region Permit Reference: AE2951 Dated: 20th February 1992 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application cancelled Positional Accuracy: Manually positioned to the road within the address or location | A7SE (S) | 798 | 1 | 518149 170414 |
| | Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 39 West London Scale: 1:100,000 | A13NW (NW) | 0 | 1 | 518507 171311 |
| | Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 39 West London Scale: 1:100,000 | A13NW (N) | 0 | 1 | 518516 171411 |
| | Drift Deposits None | | | | |
| | Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Extreme Flooding from Rivers or Sea without Defences None | | | | |
| | Flooding from Rivers or Sea without Defences None | | | | |
| | Areas Benefiting from Flood Defences None | | | | |
| | Flood Water Storage Areas None | | | | |
| | Flood Defences None | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 23 | Historical Landfill Sites Licence Holder: Not Supplied Location: Broom Road Name: Broom Road Recreation Ground Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD11363 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 5810/0001 BGS Ref: Not Supplied Other Ref: 8RI001, RIC001 | A7NW (SW) | 825 | 1 | 517803 170642 |
| | Local Authority Landfill Coverage Name: Royal Borough of Kingston Upon Thames - Has supplied landfill data | | 0 | 3 | 518494 171295 |
| | Local Authority Landfill Coverage Name: London Borough of Richmond Upon Thames - Has no landfill data to supply | | 0 | 8 | 518507 171311 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|---------------|
| | BGS 1:625,000 Solid Geology Description: London Clay | A13NW (NW) | 0 | 4 | 518507 171311 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13NW (NW) | 0 | 5 | 518507 171311 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13SE (E) | 66 | 5 | 518690 171254 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13SW (S) | 147 | 5 | 518507 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13SE (S) | 176 | 5 | 518561 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13SE (SE) | 179 | 5 | 518753 171170 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A13SE (SE) | 305 | 5 | 518754 171000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|---------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14NW (E) | 311 | 5 | 518945 171408 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14NW (E) | 314 | 5 | 518951 171381 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14NW (E) | 358 | 5 | 519000 171311 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14SW (E) | 372 | 5 | 519000 171222 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A12NE (W) | 405 | 5 | 518000 171311 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A12SE (SW) | 461 | 5 | 518000 171000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14SW (SE) | 481 | 5 | 519000 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A19SW (NE) | 485 | 5 | 519000 171701 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A19SW (NE) | 491 | 5 | 518915 171787 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14SW (SE) | 503 | 5 | 519028 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A18NW (N) | 535 | 5 | 518507 172000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14NE (E) | 576 | 5 | 519215 171379 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A18NE (N) | 613 | 5 | 518771 172000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14SE (E) | 638 | 5 | 519279 171279 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A18NE (NE) | 642 | 5 | 518826 172000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A7NE (SW) | 679 | 5 | 518000 170649 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A7NW (SW) | 689 | 5 | 517805 170882 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A17NE (NW) | 713 | 5 | 518000 172000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A19NW (NE) | 717 | 5 | 519000 172000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A9NW (SE) | 724 | 5 | 519000 170655 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A12SW (W) | 739 | 5 | 517700 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A14SE (E) | 855 | 5 | 519434 171000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A9SW (SE) | 860 | 5 | 519000 170474 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic: no data Concentration: Cadmium: no data Concentration: Chromium: no data Concentration: Lead Concentration: no data Nickel: no data Concentration: | A7NW (SW) | 861 | 5 | 517729 170682 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic no data Concentration: Cadmium no data Concentration: Chromium no data Concentration: Lead Concentration: no data Nickel no data Concentration: | A15SW (E) | 955 | 5 | 519542 171000 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518729, 171261 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 22.00 mg/kg Concentration: Cadmium Measured 0.70 mg/kg Concentration: Chromium Measured 66.00 mg/kg Concentration: Lead Measured 299.00 mg/kg Concentration: Nickel Measured 27.00 mg/kg Concentration: | A13SE (E) | 106 | 4 | 518729 171261 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518252, 171247 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 47.00 mg/kg Concentration: Lead Measured 142.00 mg/kg Concentration: Nickel Measured 14.00 mg/kg Concentration: | A13SW (W) | 156 | 4 | 518252 171247 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518733, 171753 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 56.00 mg/kg Concentration: Lead Measured 93.00 mg/kg Concentration: Nickel Measured 12.00 mg/kg Concentration: | A18SE (NE) | 382 | 4 | 518733 171753 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518162, 171825 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 18.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 48.00 mg/kg Concentration: Lead Measured 100.00 mg/kg Concentration: Nickel Measured 12.00 mg/kg Concentration: | A17SE (NW) | 474 | 4 | 518162 171825 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518811, 170728 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 64.00 mg/kg Concentration: Lead Measured 159.00 mg/kg Concentration: Nickel Measured 22.00 mg/kg Concentration: | A8NE (SE) | 544 | 4 | 518811 170728 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518172, 170659 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 36.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 83.00 mg/kg Concentration: Lead Measured 1170.00 mg/kg Concentration: Nickel Measured 27.00 mg/kg Concentration: | A7NE (SW) | 569 | 4 | 518172 170659 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 517794, 171161 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 55.00 mg/kg Concentration: Lead Measured 188.00 mg/kg Concentration: Nickel Measured 18.00 mg/kg Concentration: | A12SW (W) | 614 | 4 | 517794 171161 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519264, 171291 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 43.00 mg/kg Concentration: Lead Measured 96.00 mg/kg Concentration: Nickel Measured 8.00 mg/kg Concentration: | A14SE (E) | 623 | 4 | 519264 171291 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519223, 171756 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 63.00 mg/kg Concentration: Lead Measured 59.00 mg/kg Concentration: Nickel Measured 12.00 mg/kg Concentration: | A19SE (NE) | 697 | 4 | 519223 171756 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 517788, 171803 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 52.00 mg/kg Concentration: Lead Measured 85.00 mg/kg Concentration: Nickel Measured 14.00 mg/kg Concentration: | A17SW (NW) | 758 | 4 | 517788 171803 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518755, 172256 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 59.00 mg/kg Concentration: Lead Measured 37.00 mg/kg Concentration: Nickel Measured 14.00 mg/kg Concentration: | A18NE (N) | 840 | 4 | 518755 172256 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518303, 172289 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 22.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 61.00 mg/kg Concentration: Lead Measured 135.00 mg/kg Concentration: Nickel Measured 19.00 mg/kg Concentration: | A18NW (N) | 841 | 4 | 518303 172289 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519261, 170743 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 57.00 mg/kg Concentration: Lead Measured 67.00 mg/kg Concentration: Nickel Measured 12.00 mg/kg Concentration: | A9NE (SE) | 846 | 4 | 519261 170743 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 517870, 172143 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 18.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 54.00 mg/kg Concentration: Lead Measured 81.00 mg/kg Concentration: Nickel Measured 15.00 mg/kg Concentration: | A17NE (NW) | 906 | 4 | 517870 172143 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518326, 170244 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 62.00 mg/kg Concentration: Lead Measured 766.00 mg/kg Concentration: Nickel Measured 25.00 mg/kg Concentration: | A3NW (S) | 914 | 4 | 518326 170244 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 517659, 170666 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 61.00 mg/kg Concentration: Cadmium Measured 4.40 mg/kg Concentration: Chromium Measured 145.00 mg/kg Concentration: Lead Measured 1795.00 mg/kg Concentration: Nickel Measured 131.00 mg/kg Concentration: | A7NW (SW) | 928 | 4 | 517659 170666 |
| | BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518738, 170255 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 18.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 63.00 mg/kg Concentration: Lead Measured 1219.00 mg/kg Concentration: Nickel Measured 28.00 mg/kg Concentration: | A3NE (S) | 933 | 4 | 518738 170255 |
| | BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7189 Arsenic Minimum 1.00 mg/kg Concentration: Arsenic Average 17.00 mg/kg Concentration: Arsenic Maximum 161.00 mg/kg Concentration: Cadmium Minimum 0.30 mg/kg Concentration: Cadmium Average 0.90 mg/kg Concentration: Cadmium Maximum 165.20 mg/kg Concentration: Chromium Minimum 13.00 mg/kg Concentration: Chromium Average 79.00 mg/kg Concentration: Chromium Maximum 2094.00 mg/kg Concentration: Lead Minimum 11.00 mg/kg Concentration: Lead Average 280.00 mg/kg Concentration: Lead Maximum 10000.00 mg/kg Concentration: Nickel Minimum 2.00 mg/kg Concentration: Nickel Average 28.00 mg/kg Concentration: Nickel Maximum 506.00 mg/kg Concentration: | A13NW (NW) | 0 | 4 | 518507 171311 |

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|--------|---|--|------------------------------|---------|---------------|
| | Coal Mining Affected Areas In an area that might not be affected by coal mining | | | | |
| | Non Coal Mining Areas of Great Britain No Hazard | | | | |
| | Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13SE (SE) | 181 | 4 | 518754 171169 |
| | Potential for Ground Dissolution Stability Hazards No Hazard | | | | |
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13SE (E) | 68 | 4 | 518692 171253 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13SE (SE) | 181 | 4 | 518754 171169 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 116 | 4 | 518556 171567 |
| | Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |
| | Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 4 | 518507 171311 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 24 | Contemporary Trade Directory Entries Name: G T Harris Location: 9, Garth Close, Kingston upon Thames, Surrey, KT2 5PA Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 15 | - | 518565 171220 |
| 25 | Contemporary Trade Directory Entries Name: S J M Cleaning Services Location: 131, Latchmere Lane, Kingston upon Thames, Surrey, KT2 5NX Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 73 | - | 518625 171197 |
| 26 | Contemporary Trade Directory Entries Name: Tudor Dry Cleaners Location: 172, Tudor Drive, Kingston upon Thames, Surrey, KT2 5QG Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 77 | - | 518387 171111 |
| 27 | Contemporary Trade Directory Entries Name: Shutter Light Ltd Location: 203, Tudor Drive, Kingston upon Thames, Surrey, KT2 5NU Classification: Shutters - Internal Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SE (S) | 94 | - | 518540 171089 |
| 28 | Contemporary Trade Directory Entries Name: Granada Office Equipment Location: 38, Cardinal Avenue, Kingston upon Thames, Surrey, KT2 5SB Classification: Office Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SW (S) | 154 | - | 518408 171004 |
| 28 | Contemporary Trade Directory Entries Name: Granada Typewriters & Copiers Location: 38, Cardinal Avenue, Kingston upon Thames, Surrey, KT2 5SB Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SW (S) | 154 | - | 518408 171004 |
| 29 | Contemporary Trade Directory Entries Name: Pels Location: 30 Latchmere La, Kingston upon Thames, Surrey, KT2 5PD Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A13SE (SE) | 156 | - | 518642 171098 |
| 30 | Contemporary Trade Directory Entries Name: Eden Scientific Ltd Location: 1, Beechrow, Church Road, Ham, Richmond, Surrey, TW10 5HE Classification: Laboratory Equipment, Instruments & Supplies Status: Active Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 354 | - | 518155 171625 |
| 31 | Contemporary Trade Directory Entries Name: A.S. Services Location: 347, Park Road, Kingston upon Thames, Surrey, KT2 5LY Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address | A14SW (SE) | 358 | - | 518893 171063 |
| 31 | Contemporary Trade Directory Entries Name: Sparkle & Shine Location: 4, Woodcote Close, Kingston upon Thames, Surrey, KT2 5LZ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address | A14SW (SE) | 361 | - | 518877 171040 |
| 32 | Contemporary Trade Directory Entries Name: M & S Partnership Location: 292, Tudor Drive, Kingston upon Thames, Surrey, KT2 5QL Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 425 | - | 518838 170914 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 33 | Contemporary Trade Directory Entries Name: Johnstone'S Layland Decorating Centre Location: Unit 14, St. Georges Industrial Estate, Richmond Road, Kingston upon Thames, Surrey, KT2 5BQ Classification: Painting & Decorating Supplies Status: Active Positional Accuracy: Automatically positioned to the address | A12SE (W) | 426 | - | 517984 171289 |
| 33 | Contemporary Trade Directory Entries Name: Automated Process & Control Manufacturing Co Ltd Location: Unit 11, St. Georges Industrial Estate, Richmond Road, Kingston upon Thames, Surrey, KT2 5BQ Classification: Valve Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address | A12NE (W) | 435 | - | 517982 171323 |
| 33 | Contemporary Trade Directory Entries Name: Anglo Abrasives Ltd Location: Unit 9, St. Georges Industrial Estate, Richmond Road, Kingston upon Thames, Surrey, KT2 5BQ Classification: Abrasive Products - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NE (W) | 437 | - | 517979 171342 |
| 34 | Contemporary Trade Directory Entries Name: Toolstation Location: Unit 4, St. Georges Industrial Estate, Richmond Road, Kingston upon Thames, Surrey, KT2 5BQ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address | A12NE (W) | 496 | - | 517919 171364 |
| 34 | Contemporary Trade Directory Entries Name: Brewers Location: St. Georges Ind Est, Richmond Rd, Kingston upon Thames, Surrey, KT2 5BQ Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality | A12NE (W) | 499 | - | 517918 171341 |
| 35 | Contemporary Trade Directory Entries Name: Ram Installations Location: 328, Richmond Road, Kingston upon Thames, Surrey, KT2 5PP Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address | A12SE (W) | 504 | - | 517920 171084 |
| 36 | Contemporary Trade Directory Entries Name: Brookbrae Location: 7, Cranleigh Gardens, Kingston Upon Thames, Surrey, KT2 5TX Classification: Clocks & Watches - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 518 | - | 518820 170770 |
| 37 | Contemporary Trade Directory Entries Name: Putney Builders Merchants Ltd Location: Unit 2, St. Georges Industrial Estate, Richmond Road, Kingston upon Thames, Surrey, KT2 5BQ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address | A12NE (W) | 534 | - | 517882 171357 |
| 37 | Contemporary Trade Directory Entries Name: Nikon Uk Ltd Location: Nikon House, 380, Richmond Road, Kingston upon Thames, Surrey, KT2 5PR Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 571 | - | 517845 171352 |
| 37 | Contemporary Trade Directory Entries Name: Nikon Location: Nikon House, 380, Richmond Road, Kingston upon Thames, Surrey, KT2 5PR Classification: Photographic Equipment Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 571 | - | 517845 171352 |
| 38 | Contemporary Trade Directory Entries Name: Microtees Location: 31, Barnfield Avenue, Kingston upon Thames, Surrey, KT2 5RD Classification: T-Shirts Status: Active Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 547 | - | 517905 171576 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 39 | Contemporary Trade Directory Entries Name: Ajinomoto Ag Location: 9, Spencer Court, Parkleys, Richmond, Surrey, TW10 5LP Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 558 | - | 517966 171709 |
| 40 | Contemporary Trade Directory Entries Name: B 'N' S Salvage Location: Flat 26, Cranmer Court, Richmond Road, Kingston upon Thames, Surrey, KT2 5PY Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 611 | - | 517819 171512 |
| 41 | Contemporary Trade Directory Entries Name: Divine Dry Cleaners Location: 424, Richmond Road, Kingston upon Thames, Surrey, KT2 5PU Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 639 | - | 517804 171566 |
| 41 | Contemporary Trade Directory Entries Name: Sketchley Retail Ltd Location: 424, Richmond Road, Kingston upon Thames, Surrey, KT2 5PU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 639 | - | 517804 171566 |
| 41 | Contemporary Trade Directory Entries Name: M & J Hardware Location: 6, Parkleys Parade, Upper Ham Road, Richmond, Surrey, TW10 5LF Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (NW) | 651 | - | 517806 171608 |
| 42 | Contemporary Trade Directory Entries Name: Four Seasons Garage Location: 215, Richmond Road, Kingston upon Thames, Surrey, KT2 5DG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 659 | - | 518047 170637 |
| 42 | Contemporary Trade Directory Entries Name: Albany Park Service Station Location: Richmond Road, Kingston upon Thames, Surrey, KT2 5DF Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 659 | - | 518047 170637 |
| 43 | Contemporary Trade Directory Entries Name: Aristocrat Cleaners Location: 311, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 677 | - | 517763 171561 |
| 43 | Contemporary Trade Directory Entries Name: Vetech Motor Services Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 43 | Contemporary Trade Directory Entries Name: Hamcross Self Serve Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 43 | Contemporary Trade Directory Entries Name: Crown Ltd Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 43 | Contemporary Trade Directory Entries Name: Crown Motorcycles Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 43 | Contemporary Trade Directory Entries Name: New 2 You Autos Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 43 | Contemporary Trade Directory Entries Name: Ham Cross Service Station Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 43 | Contemporary Trade Directory Entries Name: Calibre Cars Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 686 | - | 517745 171527 |
| 44 | Contemporary Trade Directory Entries Name: Albany Blind Co Location: Albany Boathouse, Lower Ham Road, Kingston upon Thames, Surrey, KT2 5BB Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 729 | - | 517934 170642 |
| 45 | Contemporary Trade Directory Entries Name: Cje Ceramics Location: 8, Dukes Avenue, Kingston upon Thames, Surrey, KT2 5QY Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 737 | - | 517700 171557 |
| 46 | Contemporary Trade Directory Entries Name: Surrey Dental Lab Location: 9, Dukes Avenue, Kingston upon Thames, Surrey, KT2 5QR Classification: Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 773 | - | 517656 171521 |
| 47 | Contemporary Trade Directory Entries Name: Hill Park Group Location: 110, Park Road, Kingston upon Thames, Surrey, KT2 5JZ Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 774 | - | 519020 170606 |
| 48 | Contemporary Trade Directory Entries Name: Lisa Burgess Location: 58, Burton Road, Kingston upon Thames, Surrey, KT2 5TF Classification: Lingerie Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address | A8SW (S) | 784 | - | 518373 170369 |
| 49 | Contemporary Trade Directory Entries Name: The Cassel Hospital Location: 1, Ham Common, Richmond, Surrey, TW10 7JF Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 819 | - | 517708 171791 |
| 50 | Contemporary Trade Directory Entries Name: Shell (Uk) Ltd Location: 164, Richmond Road, Kingston upon Thames, Surrey, KT2 5HD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address | A8SW (S) | 879 | - | 518192 170312 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 50 | Contemporary Trade Directory Entries Name: Shell Location: 164, Richmond Road, Kingston upon Thames, Surrey, KT2 5HD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address | A8SW (S) | 879 | - | 518192 170312 |
| 51 | Contemporary Trade Directory Entries Name: Lucy White Location: 173, Kings Road, Kingston upon Thames, Surrey, KT2 5JG Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address | A3NE (S) | 892 | - | 518580 170263 |
| 51 | Contemporary Trade Directory Entries Name: Trustid Services Location: 1778 Kings Rd, Kingston upon Thames, Surrey, KT2 5JG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A3NE (S) | 917 | - | 518585 170238 |
| 52 | Contemporary Trade Directory Entries Name: Smart Fleet Location: 47, Northweald Lane, Kingston upon Thames, Surrey, KT2 5GN Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address | A12NW (W) | 894 | - | 517518 171330 |
| 53 | Contemporary Trade Directory Entries Name: Sure-Kil (Building Preservations) Location: 7, Burton Road, Kingston upon Thames, Surrey, KT2 5TG Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address | A3NW (S) | 954 | - | 518406 170195 |
| 54 | Contemporary Trade Directory Entries Name: Park M O T Centre Location: 224, Kings Road, Kingston upon Thames, Surrey, KT2 5HX Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address | A9SW (S) | 959 | - | 518912 170299 |
| 54 | Contemporary Trade Directory Entries Name: V & P Autos Location: 224, Kings Road, Kingston upon Thames, Surrey, KT2 5HX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address | A9SW (S) | 959 | - | 518912 170299 |
| 54 | Contemporary Trade Directory Entries Name: Park M O T Location: 224, Kings Road, Kingston upon Thames, Surrey, KT2 5HX Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address | A9SW (S) | 959 | - | 518912 170299 |
| 54 | Contemporary Trade Directory Entries Name: County Coachworks Location: 220, Kings Road, Kingston upon Thames, Surrey, KT2 5HX Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address | A4NW (S) | 963 | - | 518898 170287 |
| 54 | Contemporary Trade Directory Entries Name: Park Service Location: 224-226 Kings Rd, Kingston upon Thames, Surrey, KT2 5HX Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location | A4NW (S) | 971 | - | 518919 170289 |
| 55 | Contemporary Trade Directory Entries Name: Iron Maiden Services Ltd Location: 135, Richmond Road, Kingston upon Thames, Surrey, KT2 5BZ Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address | A2NE (S) | 965 | - | 518169 170229 |
| 55 | Contemporary Trade Directory Entries Name: Mirror 4 U Location: 135, Richmond Road, Kingston upon Thames, Surrey, KT2 5BZ Classification: Mirrors & Decorative Glass Status: Inactive Positional Accuracy: Manually positioned to the address or location | A2NE (S) | 965 | - | 518169 170229 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 55 | Contemporary Trade Directory Entries Name: B R C Ltd Location: 129, Richmond Road, Kingston upon Thames, Surrey, KT2 5BZ Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address | A2NE (S) | 979 | - | 518174 170213 |
| 56 | Contemporary Trade Directory Entries Name: Kingscourt Coachworks Location: A, 94, Kings Road, Kingston upon Thames, Surrey, KT2 5HT Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address | A3NW (S) | 976 | - | 518491 170171 |
| 56 | Contemporary Trade Directory Entries Name: Mk Crash Repairs Location: The Flat, 92a, Kings Road, Kingston upon Thames, Surrey, KT2 5HT Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address | A3NW (S) | 980 | - | 518484 170168 |
| 57 | Fuel Station Entries Name: Albany Park Service Station Location: 215, Richmond Road, Kingston upon Thames, Surrey, KT2 5DD Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 659 | - | 518047 170637 |
| 58 | Fuel Station Entries Name: Ham Cross Service Station Location: 297, Richmond Road, Kingston upon Thames, Surrey, KT2 5QU Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address | A12NW (W) | 686 | - | 517745 171527 |
| 59 | Fuel Station Entries Name: Shell Kingstonian Location: 164, Richmond Road, Kingston upon Thames, Surrey, KT2 5HD Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address | A8SW (S) | 879 | - | 518192 170312 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 60 | Local Nature Reserves Name: Ham Common, Richmond, London Multiple Area: N Area (m2): 402679.52 Source: Natural England Designation Date: 1st January 2001 | A13NE (N) | 0 | 6 | 518530 171397 |
| 61 | National Nature Reserves Name: Richmond Park Multiple Areas: N Total Area (m2): 8466210.92 Source: Natural England Reference: 1007634 Designation Date: Not Supplied | A14NW (E) | 285 | 6 | 518916 171435 |
| 62 | Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | A13NW (NW) | 0 | 7 | 518507 171311 |
| 63 | Sites of Special Scientific Interest Name: Richmond Park Multiple Areas: N Total Area (m2): 8466210.92 Source: Natural England Reference: 1002388 Designation Details: Local Nature Reserve Designation Date: 4th March 1992 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 4th March 1992 Date Type: Notified | A14NW (E) | 285 | 6 | 518916 171435 |
| 64 | Special Areas of Conservation Name: Richmond Park Multiple Areas: N Total Area (m2): 8466210.92 Source: Natural England Reference: UK0030246 Status: Designated | A14NW (E) | 285 | 6 | 518916 171435 |

| Agency & Hydrological | Version | Update Cycle |
|--|---|--|
| Contaminated Land Register Entries and Notices Epsom And Ewell Borough Council - Environmental Health Department London Borough of Wandsworth - Environmental Health Department Spelthorne Borough Council - Environmental Health Department Elmbridge Borough Council - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Hounslow - Contaminated Land Section London Borough of Richmond upon Thames - Planning and Review Department Royal Borough of Kingston upon Thames - Environmental Health Department | January 2012 January 2012 January 2012 June 2011 June 2012 November 2011 November 2011 November 2011 | Annual Rolling Update Annual Rolling Update |
| Discharge Consents Environment Agency - Thames Region | April 2012 | Quarterly |
| Enforcement and Prohibition Notices Environment Agency - Thames Region | June 2012 | Quarterly |
| Integrated Pollution Controls Environment Agency - Thames Region | October 2008 | Not Applicable |
| Integrated Pollution Prevention And Control Environment Agency - Thames Region | April 2012 | Quarterly |
| Local Authority Integrated Pollution Prevention And Control London Borough of Richmond upon Thames - Environmental Health Department Spelthorne Borough Council - Environmental Health Department London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department Epsom And Ewell Borough Council - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Merton - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department Elmbridge Borough Council - Environmental Health Department | April 2012 April 2012 August 2011 December 2011 February 2012 January 2012 June 2011 March 2006 May 2012 | Annual Rolling Update Annual Rolling Update |
| Local Authority Pollution Prevention and Controls London Borough of Richmond upon Thames - Environmental Health Department London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department Epsom And Ewell Borough Council - Environmental Health Department London Port Health Authority - Environmental Services Elmbridge Borough Council - Environmental Health Department London Borough of Merton - Environmental Health Department Spelthorne Borough Council - Environmental Health Department | April 2012 August 2011 December 2011 February 2006 February 2012 January 2012 June 2011 June 2011 May 2011 | Annual Rolling Update Annual Rolling Update |
| Local Authority Pollution Prevention and Control Enforcements London Borough of Richmond upon Thames - Environmental Health Department London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department Epsom And Ewell Borough Council - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Merton - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department Spelthorne Borough Council - Environmental Health Department Elmbridge Borough Council - Environmental Health Department | April 2012 August 2011 December 2011 February 2012 January 2012 June 2011 June 2011 March 2006 May 2011 May 2012 | Annual Rolling Update Annual Rolling Update |
| Nearest Surface Water Feature Ordnance Survey | December 2011 | Quarterly |
| Pollution Incidents to Controlled Waters Environment Agency - Thames Region | September 1999 | Not Applicable |
| Prosecutions Relating to Authorised Processes Environment Agency - Thames Region | June 2012 | Monthly |

| Agency & Hydrological | Version | Update Cycle |
|--|--------------------------|------------------------|
| Prosecutions Relating to Controlled Waters Environment Agency - Thames Region | June 2012 | Monthly |
| Registered Radioactive Substances Environment Agency - Thames Region | April 2012 | Quarterly |
| River Quality Environment Agency - Head Office | November 2001 | Not Applicable |
| River Quality Biology Sampling Points Environment Agency - Head Office | January 2011 | Annually |
| River Quality Chemistry Sampling Points Environment Agency - Head Office | January 2011 | Annually |
| Substantiated Pollution Incident Register Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | April 2012 April 2012 | Quarterly Quarterly |
| Water Abstractions Environment Agency - Thames Region | April 2012 | Quarterly |
| Water Industry Act Referrals Environment Agency - Thames Region | April 2012 | Quarterly |
| Groundwater Vulnerability Environment Agency - Head Office | January 2011 | Not Applicable |
| Drift Deposits Environment Agency - Head Office | January 1999 | Not Applicable |
| Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service | September 2011 | Annually |
| Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service | September 2011 | Annually |
| Source Protection Zones Environment Agency - Head Office | April 2012 | Quarterly |
| Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office | May 2012 | Quarterly |
| Flooding from Rivers or Sea without Defences Environment Agency - Head Office | May 2012 | Quarterly |
| Areas Benefiting from Flood Defences Environment Agency - Head Office | May 2012 | Quarterly |
| Flood Water Storage Areas Environment Agency - Head Office | May 2012 | Quarterly |
| Flood Defences Environment Agency - Head Office | May 2012 | Quarterly |

| Waste | Version | Update Cycle |
|--|--|--|
| BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service | June 1996 | Not Applicable |
| Historical Landfill Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | January 2012 January 2012 | Quarterly Quarterly |
| Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region | October 2008 | Not Applicable |
| Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | April 2012 April 2012 | Quarterly Quarterly |
| Licensed Waste Management Facilities (Locations) Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | April 2012 April 2012 | Quarterly Quarterly |
| Local Authority Landfill Coverage Elmbridge Borough Council - Environmental Health Department Epsom And Ewell Borough Council - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Richmond upon Thames London Borough of Wandsworth - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department Spelthorne Borough Council - Environmental Health Department Surrey County Council | May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 | Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable |
| Local Authority Recorded Landfill Sites London Borough of Wandsworth - Environmental Health Department Elmbridge Borough Council - Environmental Health Department Epsom And Ewell Borough Council - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Richmond upon Thames Spelthorne Borough Council - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department Surrey County Council | April 2003 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 September 2003 September 2003 | Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable |
| Registered Landfill Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | March 2003 March 2003 | Not Applicable Not Applicable |
| Registered Waste Transfer Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | March 2003 March 2003 | Not Applicable Not Applicable |
| Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area | March 2003 March 2003 | Not Applicable Not Applicable |

| Hazardous Substances | Version | Update Cycle |
|--|---|--|
| Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive | May 2012 | Bi-Annually |
| Explosive Sites Health and Safety Executive | June 2012 | Bi-Annually |
| Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive | November 2000 | Not Applicable |
| Planning Hazardous Substance Enforcements Elmbridge Borough Council Royal Borough of Kingston upon Thames London Port Health Authority - Environmental Services London Borough of Richmond upon Thames London Borough of Merton Surrey County Council Epsom And Ewell Borough Council - Planning Department London Borough of Wandsworth - Technical Services Spelthorne Borough Council - Planning Department London Borough of Hounslow | April 2012 April 2012 January 2008 January 2012 May 2012 May 2012 November 2011 November 2011 November 2011 September 2011 | Annual Rolling Update Annual Rolling Update |
| Planning Hazardous Substance Consents Elmbridge Borough Council Royal Borough of Kingston upon Thames London Port Health Authority - Environmental Services London Borough of Richmond upon Thames London Borough of Merton Surrey County Council Epsom And Ewell Borough Council - Planning Department London Borough of Wandsworth - Technical Services Spelthorne Borough Council - Planning Department London Borough of Hounslow | April 2012 April 2012 January 2008 January 2012 May 2012 May 2012 November 2011 November 2011 November 2011 September 2011 | Annual Rolling Update Annual Rolling Update |

| Geological | Version | Update Cycle |
|---|----------------|---------------------|
| BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service | August 1996 | Not Applicable |
| BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service | January 2010 | Variable |
| BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service | April 2012 | Bi-Annually |
| BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service | June 2011 | Variable |
| BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service | June 2011 | Variable |
| Brine Compensation Area Cheshire Brine Subsidence Compensation Board | August 2011 | Not Applicable |
| Coal Mining Affected Areas The Coal Authority - Mining Report Service | August 2011 | As notified |
| Mining Instability Ove Arup & Partners | October 2000 | Not Applicable |
| Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service | February 2011 | Not Applicable |
| Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service | February 2011 | Annually |
| Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service | July 2011 | As notified |
| Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service | July 2011 | As notified |
| Industrial Land Use | Version | Update Cycle |
| Contemporary Trade Directory Entries Thomson Directories | May 2012 | Quarterly |
| Fuel Station Entries Catalist Ltd - Experian | February 2012 | Quarterly |

| Sensitive Land Use | Version | Update Cycle |
|--|---------------|----------------|
| Areas of Adopted Green Belt | | |
| Elmbridge Borough Council | April 2012 | As notified |
| Epsom And Ewell Borough Council - Planning Department | April 2012 | As notified |
| London Borough of Hounslow | April 2012 | As notified |
| London Borough of Richmond upon Thames | April 2012 | As notified |
| Royal Borough of Kingston upon Thames | April 2012 | As notified |
| Spelthorne Borough Council | April 2012 | As notified |
| Areas of Unadopted Green Belt | | |
| Elmbridge Borough Council | April 2012 | As notified |
| Epsom And Ewell Borough Council - Planning Department | April 2012 | As notified |
| London Borough of Hounslow | April 2012 | As notified |
| London Borough of Richmond upon Thames | April 2012 | As notified |
| Royal Borough of Kingston upon Thames | April 2012 | As notified |
| Spelthorne Borough Council | April 2012 | As notified |
| Areas of Outstanding Natural Beauty | | |
| Natural England | February 2012 | Bi-Annually |
| Environmentally Sensitive Areas | | |
| Natural England | February 2012 | Annually |
| Forest Parks | | |
| Forestry Commission | April 1997 | Not Applicable |
| Local Nature Reserves | | |
| Natural England | February 2012 | Bi-Annually |
| Marine Nature Reserves | | |
| Natural England | February 2012 | Bi-Annually |
| National Nature Reserves | | |
| Natural England | February 2012 | Bi-Annually |
| National Parks | | |
| Natural England | February 2012 | Bi-Annually |
| Nitrate Sensitive Areas | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | February 2012 | Not Applicable |
| Nitrate Vulnerable Zones | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | February 2012 | Annually |
| Ramsar Sites | | |
| Natural England | February 2012 | Bi-Annually |
| Sites of Special Scientific Interest | | |
| Natural England | February 2012 | Bi-Annually |
| Special Areas of Conservation | | |
| Natural England | February 2012 | Bi-Annually |
| Special Protection Areas | | |
| Natural England | February 2012 | Bi-Annually |

A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|--|---|
| Ordnance Survey |  |
| Environment Agency |  |
| Scottish Environment Protection Agency |  |
| The Coal Authority |  |
| British Geological Survey |  <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p> |
| Centre for Ecology and Hydrology |  <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p> |
| Countryside Council for Wales |  <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p> |
| Scottish Natural Heritage |  |
| Natural England |  |
| Health Protection Agency |  |
| Ove Arup |  |
| Peter Brett Associates |  |

| Contact | Name and Address | Contact Details |
|---------|---|---|
| 1 | Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk |
| 2 | London Borough of Richmond upon Thames - Environmental Health Department 4 Waldegrave Road, Teddington, Middlesex, TW11 8EN | Telephone: 020 8891 1411 Fax: 020 8891 7702 Website: www.richmond.gov.uk |
| 3 | Royal Borough of Kingston upon Thames - Environmental Health Department Guildhall 2, High Street, Kingston-upon-thames, Surrey, KT1 1EU | Telephone: 0208 547 5757 Fax: 0181 547 5363 Website: www.kingston.gov.uk |
| 4 | British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk |
| 5 | Landmark Information Group Limited 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY | Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk |
| 6 | Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA | Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk |
| 7 | Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT | Telephone: 0113 2613333 Fax: 0113 230 0879 |
| 8 | London Borough of Richmond upon Thames Civic Centre, 44 York Street, Twickenham, Middlesex, TW1 3BZ | Telephone: 020 8891 1411 Fax: 020 8891 7702 Website: www.richmond.gov.uk |
| - | Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk |
| - | Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB | Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk |

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Envirocheck[®] Report:

BGS Boreholes Datasheet

Order Details:

Order Number:

40288424_1_1

Customer Reference:

12.07.020

National Grid Reference:

518510, 171310

Slice:

A

Site Area (Ha):

3.5

Borehole Search Buffer (m):

1000

Site Details:

H M Resettlement Prison, Latchmere House
Church Road, Ham
RICHMOND
Surrey
TW10 5HH

Client Details:

MR M Bateman
Listers Geotechnical Consultants Ltd
Slapton Hill Barn
Blakesley Road
Slapton
Nr Towcester
Northants
NN12 8QD

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|------------------|--------------------|----------------|------------------|--------------------|---------------------|
| BGS Boreholes | pg 1 | None | None | 5 | 6 |

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

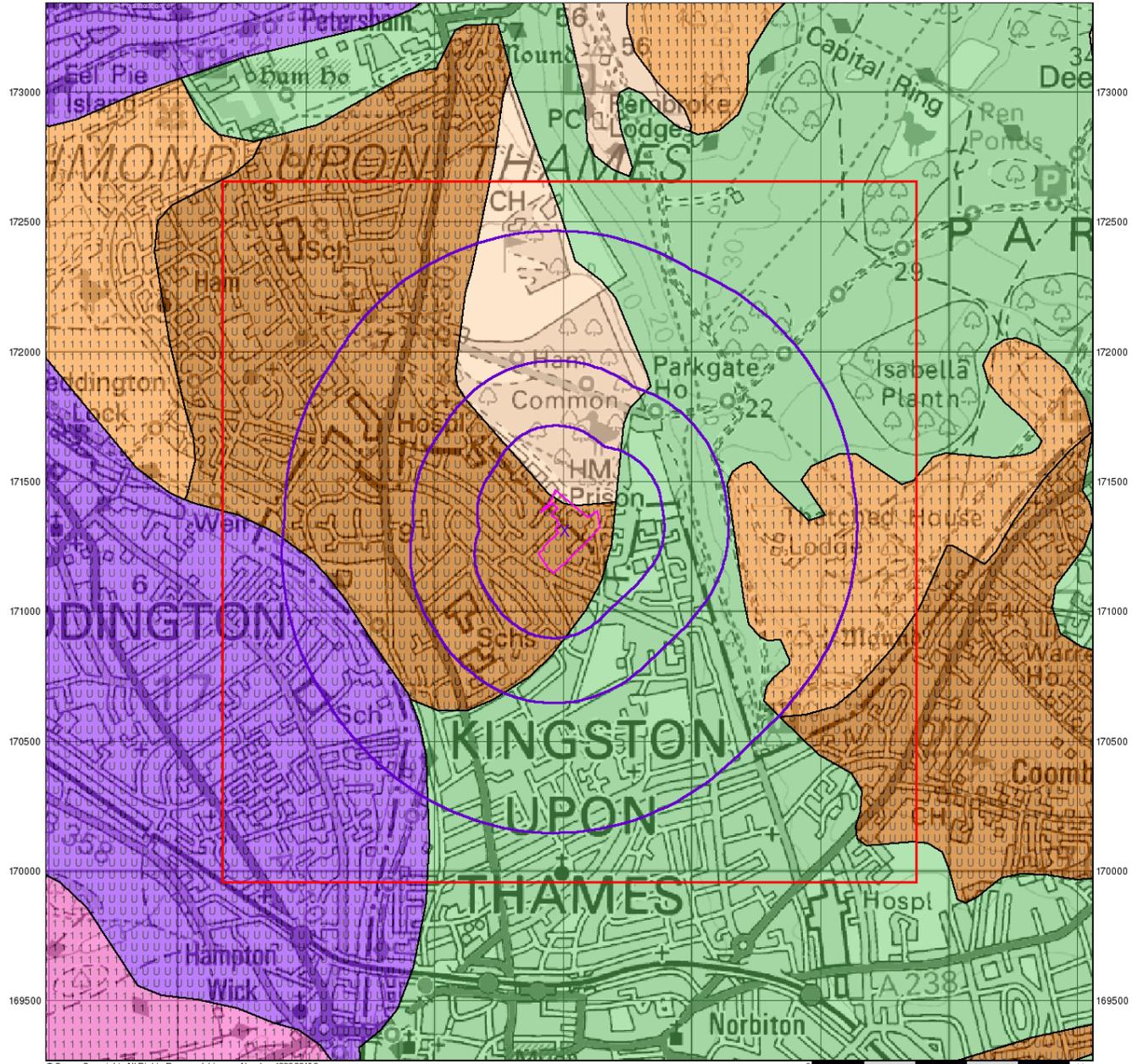
Report Version v47.0

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 65 | BGS Boreholes BGS Reference: Tq17se11 Drilled Length (m): 6.1 Borehole Name: Parkgate House Richmond 3 | A18SE (N) | 268 | 4 | 518600 171700 |
| 65 | BGS Boreholes BGS Reference: Tq17se210 Drilled Length (m): 5.41 Borehole Name: Ham Common | A18SE (N) | 279 | 4 | 518560 171730 |
| 66 | BGS Boreholes BGS Reference: Tq17se243 Drilled Length (m): 9.44 Borehole Name: Parkgate Farm Housing Development 3 | A8NE (SE) | 355 | 4 | 518720 170900 |
| 67 | BGS Boreholes BGS Reference: Tq17se242 Drilled Length (m): 9.14 Borehole Name: Parkgate Farm Housing Development 2 | A8NE (SE) | 421 | 4 | 518730 170820 |
| 68 | BGS Boreholes BGS Reference: Tq17se241 Drilled Length (m): 9.14 Borehole Name: Parkgate Farm Housing Development 1 | A8NE (SE) | 495 | 4 | 518760 170750 |
| 69 | BGS Boreholes BGS Reference: Tq17se282 Drilled Length (m): Not Supplied Borehole Name: Thatched House Lodge Richmond Park 2 | A14SE (E) | 628 | 4 | 519268 171265 |
| 70 | BGS Boreholes BGS Reference: Tq17se13 Drilled Length (m): 6.7 Borehole Name: Leyland Factory Kingston 2 | A12SW (W) | 656 | 4 | 517750 171250 |
| 71 | BGS Boreholes BGS Reference: Tq17se225 Drilled Length (m): 5.79 Borehole Name: Half Mile Tree, Lower Ham Road, Ham | A7NW (SW) | 696 | 4 | 517810 170860 |
| 72 | BGS Boreholes BGS Reference: Tq17se226 Drilled Length (m): 5.33 Borehole Name: Ham Common | A17SW (NW) | 849 | 4 | 517710 171850 |
| 73 | BGS Boreholes BGS Reference: Tq17se100 Drilled Length (m): 6 Borehole Name: Sudbrook Park Golf Club | A18NW (N) | 878 | 4 | 518200 172300 |
| 74 | BGS Boreholes BGS Reference: Tq17se158 Drilled Length (m): 6.5 Borehole Name: 289 Petersham Road Richmond | A17NE (NW) | 893 | 4 | 517910 172160 |

| BGS Boreholes | Version | Update Cycle |
|---|------------|--------------|
| BGS Boreholes British Geological Survey - National Geoscience Information Service | April 2012 | Quarterly |

| Contact Details | Contact Logo |
|---|--|
| <p>4 British Geological Survey - Enquiry Service</p> <p>British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG</p> <p>Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk</p> |  <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p> |
| <p>- Landmark Information Group Limited</p> <p>The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB</p> <p>Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk</p> |  |

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Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

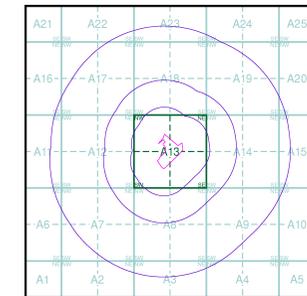
Agency and Hydrological

Geological Classes

- | | | |
|---|--|-----------------------|
| Major Aquifer (Highly Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Minor Aquifer (Variably Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Non Aquifer (Negligibly Permeable) | | |
| Water or Sea | | |
| Drift Deposit | | |

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 40288424_1_1
 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

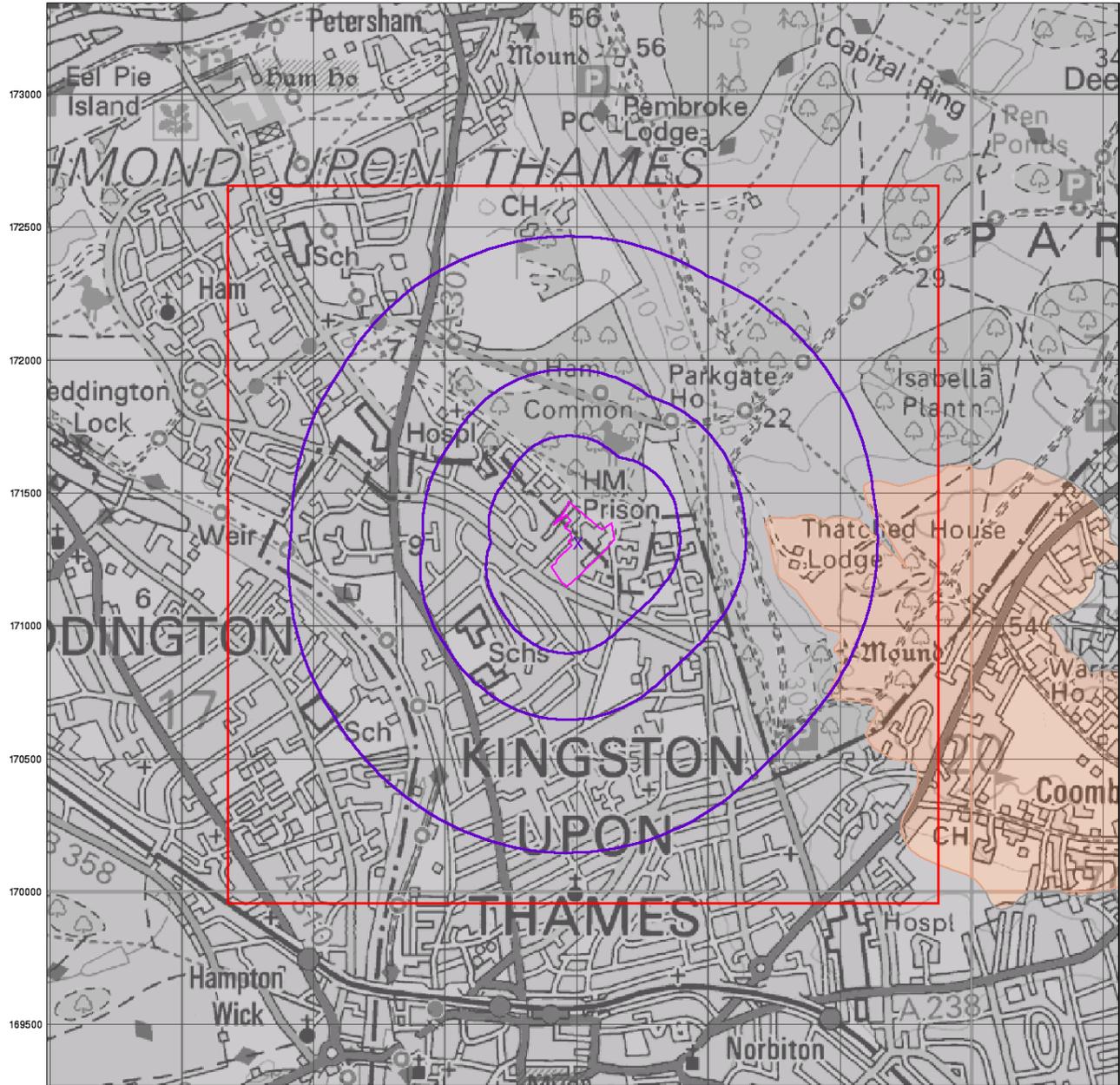
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



Tel: 0844 844 9952
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 Web: www.envirocheck.co.uk

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Bedrock Aquifer Designation

General

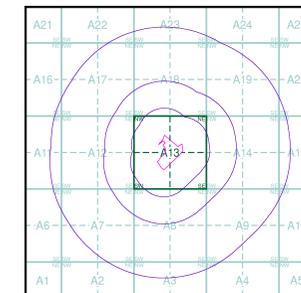
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

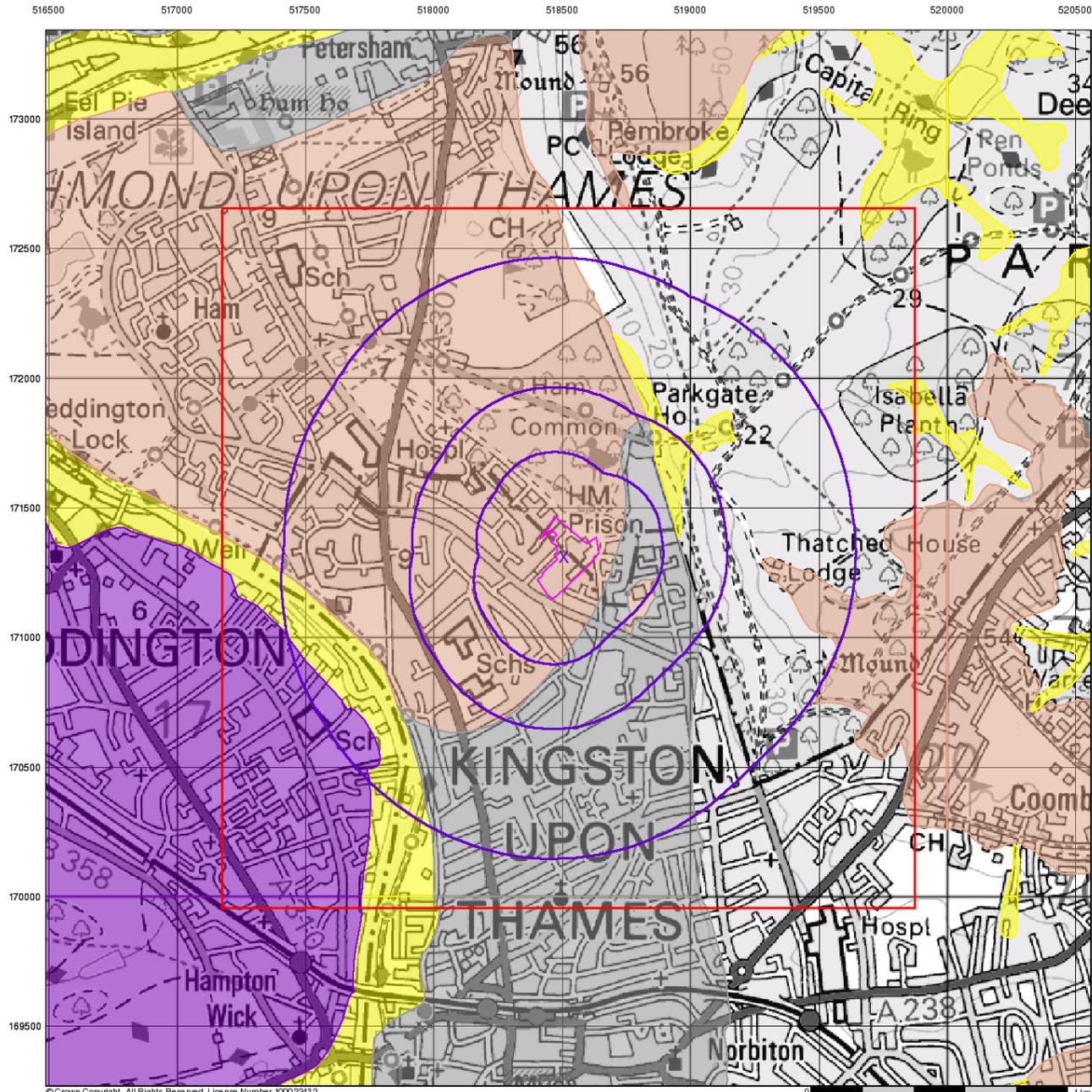
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 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

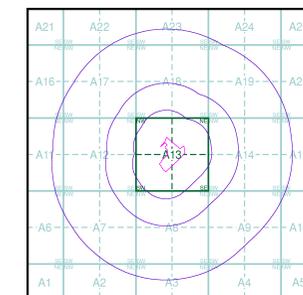
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 40288424_1_1
 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

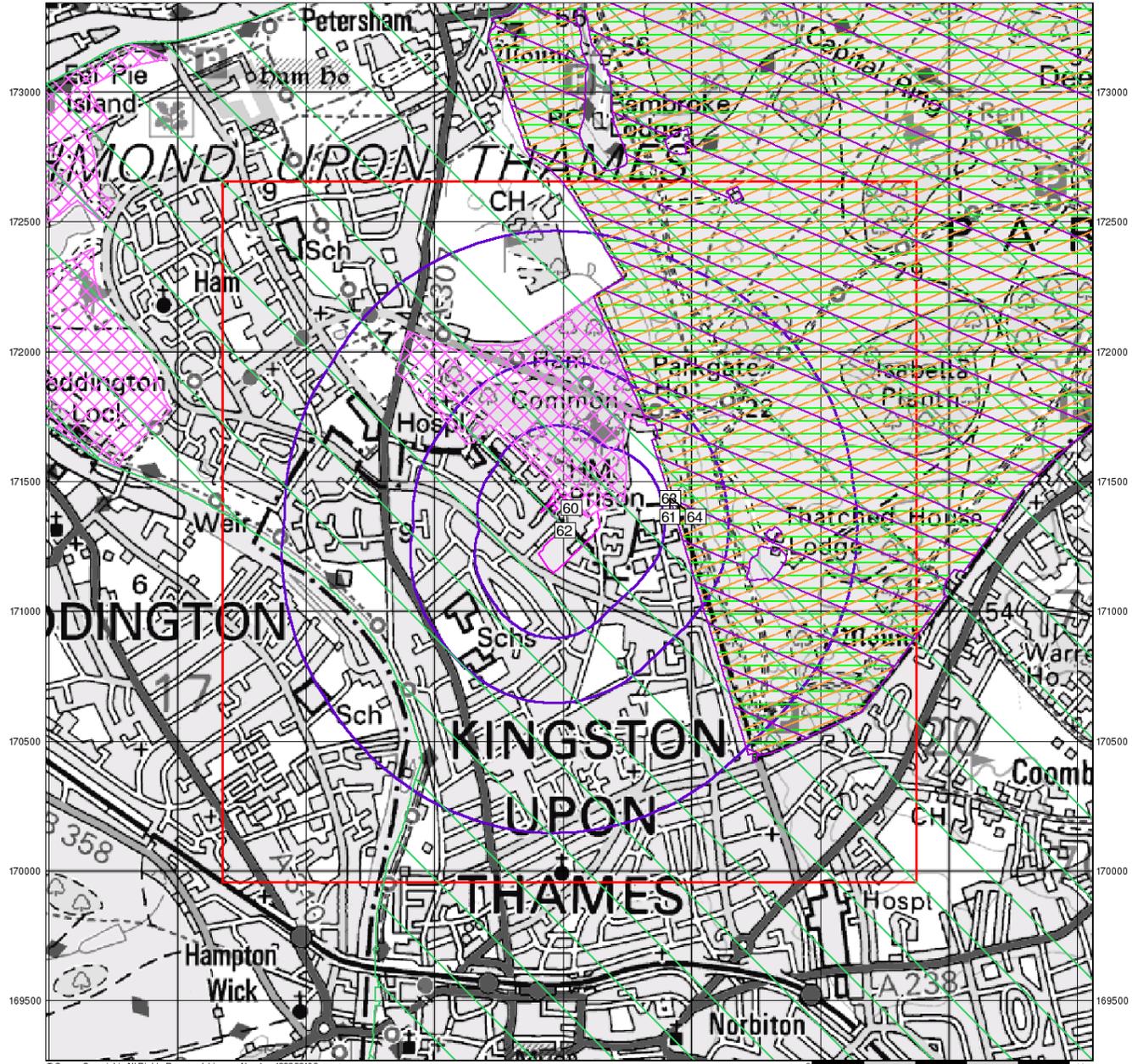
Site Details

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Sensitive Land Uses

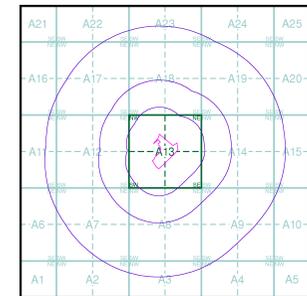
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 40288424_1_1
 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

Site Details

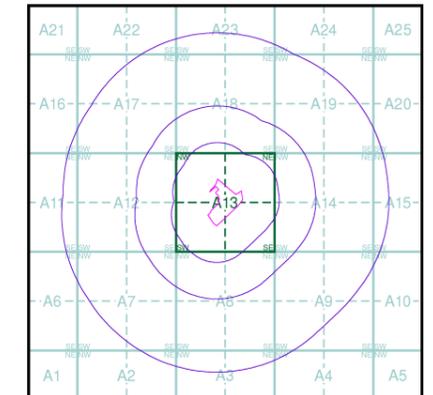
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 Web: www.envirocheck.co.uk

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Slice A

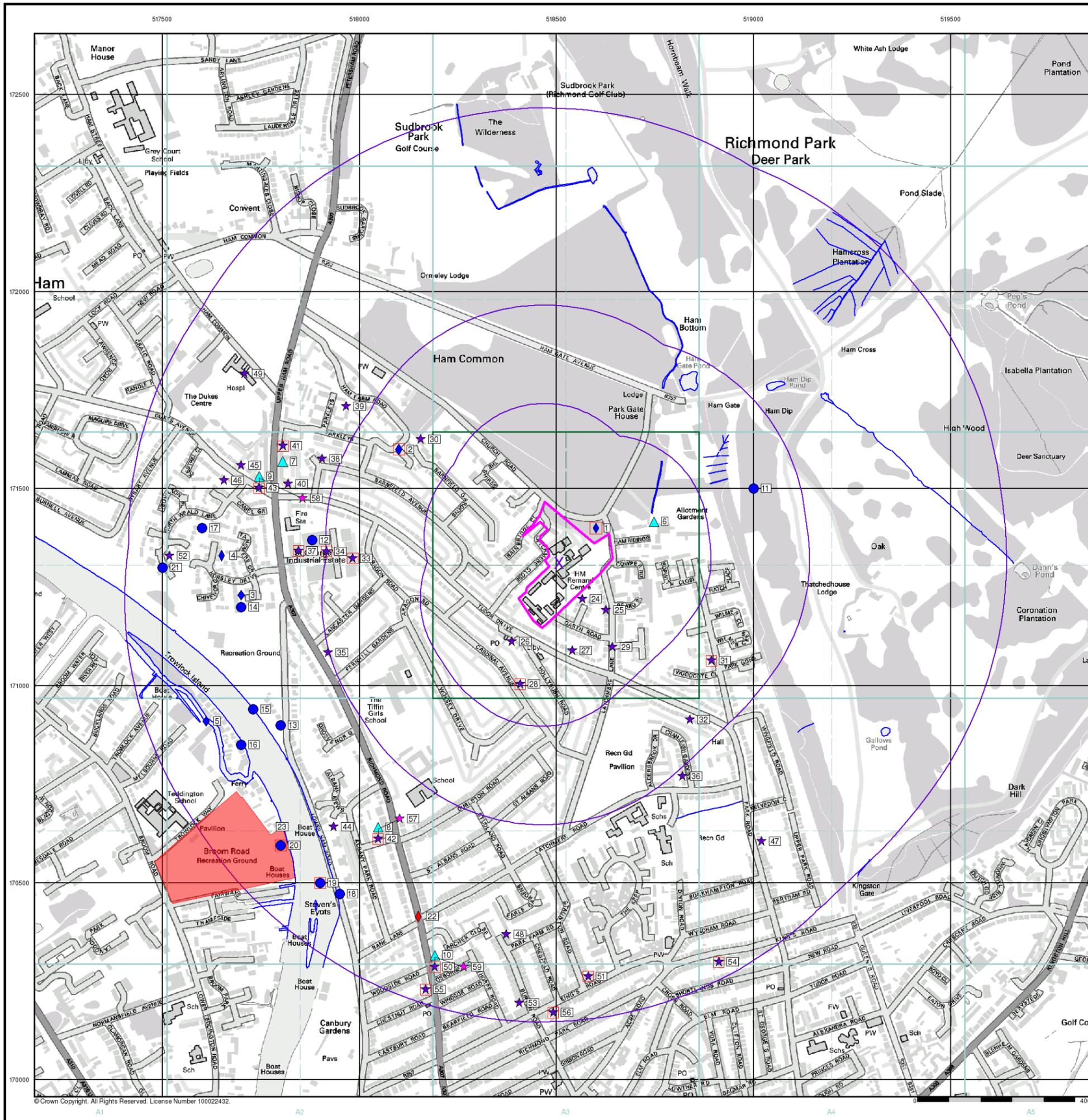


Order Details

Order Number: 40288424_1_1
 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



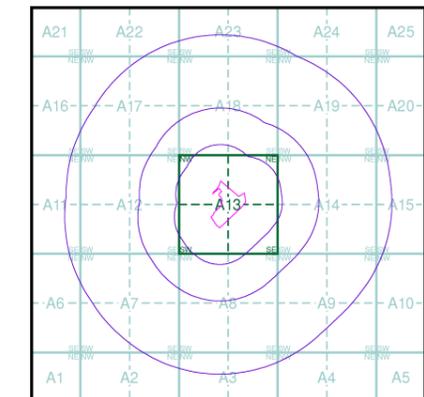
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number: 40288424_1_1
 Customer Ref: 12.07.020
 National Grid Reference: 518510, 171310
 Slice: A
 Site Area (Ha): 3.5
 Search Buffer (m): 1000

Site Details

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