

# TWICKENHAM STATION

LONDON BOROUGH OF RICHMOND UPON THAMES  
ES VOLUME III - TECHNICAL APPENDICES

Twickenham Station 

PREPARED FOR: SOLUM REGENERATION LTD  
APRIL 2011

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**APPENDIX A – SCOPING**

- Appendix A-1: Scoping Report – Submitted on 27th April 2010
- Appendix A-2: London Borough of Richmond Upon Thames Scoping Response – Received on 10th June 2010
- Appendix A-3: Design Evolution Images
- Appendix A-4: Proposed Scheme Images
- Appendix A-5: Indicative Construction Programme, Phasing and Site Waste Management Plan

**APPENDIX B – SOCIO ECONOMICS**

- Appendix B-1: Breakdown of Primary School Provision (2 miles)
- Appendix B-2: Breakdown of Secondary School Provision (3 miles)
- Appendix B-3: Consultees

**APPENDIX C – TRANSPORT**

- Appendix C-1: Transport Statement

**APPENDIX D – AIR QUALITY**

- Appendix D-1: NO2 results certificate

**APPENDIX E – NOISE AND VIBRATION**

- Appendix E-1: Noise and Vibration Monitoring Locations
- Appendix E-2: Calibration Certificates
- Appendix E-3: Noise Monitoring Results
- Appendix E-4: Vibration Monitoring Results

**APPENDIX F – GROUND CONDITIONS**

- Appendix F-1: Capita Symonds Phase 1 Ground Contamination Desk Study Report, Twickenham Railways Station, October 2007 (Ref: version 1.0, October 2007)
- Appendix F-2: RSK Group, Twickenham Railway Station, London Road, Geotechnical Report, August 2010 (Ref: 241458-01(00))
- Appendix F-3: Waterman Energy, Environment & Design Ltd, Generic Quantitative Environmental Risk Assessment, Interpretative Environmental Report on Ground Investigation at Twickenham Railway Station, February 2011 (Ref: EED11251-100/R/1.1.3/GB)
- Appendix F-4: Type 2 Asbestos Survey, Osborne on behalf of Network Rail, 2009

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**APPENDIX G – WATER RESOURCES**

Appendix G-1: Flood Risk Assessment

**APPENDIX H – ECOLOGY**

Appendix H-1: Extended Phase 1 Plan

Appendix H-2: Tree Constraints Plan

Appendix H-3: Arboricultural Survey Sheets

Appendix H-4: Target Notes

Appendix H-5: Japanese Knotweed Plan

Appendix H-6: Bat Survey Sheets

Appendix H-7: Pollution Prevention Guidelines 1 and 5

**APPENDIX I – DAYLIGHT, SUNLIGHT, OVERSHADOWING AND SOLAR GLARE**

Appendix I-1: Permanent and Transient Shadow Analysis

Appendix I-2: BRE Information Paper (Solar Dazzle)

Appendix I-3: Solar Dazzle Analysis

Appendix I-4: Daylight Sunlight Results

Appendix I-5: Daylight Distribution Results

Appendix I-6: Assessment Modelling