

Mr. John Macholc
Head of Planning Services
Ribble Valley Borough Council
Church Walk
Clitheroe
BB7 2RA.

Our Ref: RVBC-MH-APP-002

Date: 23/06/2021

PLANNING APPLICATION: Haweswater Aqueduct Resilience Programme – Proposed Marl Hill Section (Ribble Valley Borough Council)

Dear Mr. Macholc

APPLICANT: United Utilities Water Limited

PROPOSED DEVELOPMENT: Proposed works for and use of replacement section of aqueduct, including earthworks and ancillary infrastructure including: new valve house buildings within fenced compounds with permanent vehicular access provision. With the installation of tunnel shafts; open cut connection areas at either end of the replacement section within temporary construction compounds, to include site accesses, storage areas, plant and machinery, and drainage infrastructure. In addition, a temporary haul route with bridge over the River Ribble (as one of two options for vehicular access to the temporary construction compound); a series of local highway works together with a temporary satellite park and ride facility and a vehicle marshalling area.

DEVELOPMENT LOCATION: From land northwest of New Laithe Farm off the B6478 Slaidburn Road; and land north of Cross Lane, near Sandy Ford Brook, off the B6478 Slaidburn Road; with highway mitigation works at various locations from Pimlico Link Road, Clitheroe to Slaidburn Road, north of Waddington, via Chatburn Road, Ribble Lane and Grindleton Road; a haul route from land south of West Bradford Bridge to West Bradford Road, west of Healings Farm, West Bradford; a vehicle marshalling facility on land at the Ribblesdale Cement Works, West Bradford Road, Clitheroe and a park and ride facility at the existing Ribblesdale Cement Works car park to the west of West Bradford Road.

Further to our previous discussions with your Authority, we have now submitted a planning application, supported by an Environmental Statement (ES), to your authority for the Proposed Marl Hill Section of the Haweswater Aqueduct Resilience Programme (HARP) within Ribble Valley Borough Council.

The Planning application form has been submitted via the planning portal, along with the newspaper notice (regarding unknown owners) and the list of known landowners/tenants, and the supporting documentation has been provided directly to Ribble Valley Borough Council via electronic file transfer. We will work with your authority to ensure that you have been able to download all the submitted documents to enable you to validate this application. You have previously confirmed that you require one hard copy of the application documents. We have also agreed that we will provide your authority with the hard copies in the coming days and that this will not delay validation of the application.

A full list of documents and drawings submitted is attached to this letter and includes the following:

- Planning Application Form, schedule of owners and agricultural tenants, and a copy of the unknown owner(s) notice from local newspaper (all sent via the Planning Portal)
- Planning Drawings:
 - Scheme Overview drawings
 - Site Locations Plans
 - Site Layouts

- General Arrangements – Scheme extents
- General Arrangements – Compound Construction Phase
- General Arrangements – Compound Connection Phase
- Compound Cross Sections
- Multi-Line Syphon Connection and Other Connections Cross Sections
- Compound Elevations
- General Arrangements and Elevations of structures/buildings
- General Arrangements – Compound Access Junctions
- Highways Works
- Satellite/Park & Ride Compound Layouts.
- Planning, Design and Access Statement including Appendices as follows:
 - Major Development Test
 - Land Drainage Statement
 - SUDS Proforma
 - Land Stability Report.
- Statement of Community Involvement
- Construction Traffic Management Plan
- Lighting Management Plan
- Biodiversity Net Gain Strategy
- Habitats Regulations Assessment Screening Report
- SSSI Assessment
- Marl Hill Environmental Statement consisting of:
 - Volume 1: Non-Technical Summary
 - Volume 2: Environmental Statement
 - Volume 3: Figures
 - Volume 4: Technical Appendices (including Environmental Masterplans)
 - Volume 5: Off-site Highways Works
 - Volume 6: Proposed Ribble Crossing.

Finally, we will continue to work collaboratively with the Local Planning Authority and other stakeholders during the determination of the application, and appreciate that we may need to be provide further information in response to consultation feedback. Should you require anything further at this stage, please do not hesitate to contact me.

Yours sincerely

James Cullen

James Cullen

Principal Environmental Planner

United Utilities Water Limited

Proposed Marl Hill Section - Ribble Valley Borough Council Planning Submission Documents and Drawings

1. Schedule of Planning Documents

Document Title	Document Reference
Application Form with Land Ownership Details	n/a
Application Covering Letter (with guide to the application and schedule of documents)	RVBC-MH-APP-002
Planning, Design & Access Statement (including Major Development Test, Drainage Statement, SUDS Proforma and Land Stability Statement)	RVBC-MH-APP-003
Marl Hill Section Compounds Lighting Management Plan	RVBC-MH-APP-005
Marl Hill Section Statement of Community Involvement	RVBC-MH-APP-006
Construction Traffic Management Plan (Existing Highways)	RVBC-MH-APP-007_01 Split into main report and Appendices Parts
Construction Traffic Management Plan (Ribble Crossing)	RVBC-MH-APP-007_02 Split into main report and Appendices Parts
Marl Hill Section BNG Strategy - on site	RVBC-MH-APP-008_01
Marl Hill Section BNG Strategy - off site	RVBC-MH-APP-008_02
Marl Hill Section SSSI Assessment	RVBC-MH-APP-009
Marl Hill Section HRA Report	RVBC-MH-APP-010

2. Schedule of Planning Drawings and References

Drawing Title	Drawing Reference
Scheme Overview Plans	RVBC-MH-APP-004-01-01
Section Overview Plans	RVBC-MH-APP-004-01-02
Site Location Red Line Plan	RVBC-MH-APP-004-02
Site Layout Plans (Existing Site - Bonstone Compound - Sheet 1 of 2)	80061155-01-JAC-TR4-97-DR-C-00001
Site Layout Plans (Existing Site - Bonstone Compound - Sheet 2 of 2)	80061155-01-JAC-TR4-97-DR-C-00009
Site Layout Plans (Proposed Permanent - Bonstone Compound - Sheet 1 of 2)	80061155-01-JAC-TR4-97-DR-C-00002
Site Layout Plans (Proposed Permanent - Bonstone Compound - Sheet 2 of 2)	80061155-01-JAC-TR4-97-DR-C-00010
Site Layout Plans (Existing Site - Braddup Compound - Sheet 1 of 2)	80061155-01-JAC-TR4-97-DR-C-00003
Site Layout Plans (Existing Site - Braddup Compound - Sheet 2 of 2)	80061155-01-JAC-TR4-97-DR-C-00011
Site Layout Plans (Proposed Permanent - Braddup Compound Sheet 1 of 2)	80061155-01-JAC-TR4-97-DR-C-00004
Site Layout Plans (Proposed Permanent - Braddup Compound Sheet 2 of 2)	80061155-01-JAC-TR4-97-DR-C-00012
General Arrangement - Scheme Extents (Sheet 1 of 4)	RVBC-MH-APP-004-04_01
General Arrangement - Scheme Extents (Sheet 2 of 4)	RVBC-MH-APP-004-04_02
General Arrangement - Scheme Extents (Sheet 3 of 4)	RVBC-MH-APP-004-04_03
General Arrangement - Scheme Extents (Sheet 4 of 4)	RVBC-MH-APP-004-04_04
General Arrangements - Scheme Extents (River Ribble Crossing)	80061155-01-JAC-TR4-97-DR-C-00005
PROPOSED BONSTONE COMPOUND CONSTRUCTION PHASE DRAWING SHEET 1 OF 2	RVBC-MH-APP-004-05_01
PROPOSED BONSTONE COMPOUND CONSTRUCTION PHASE DRAWING SHEET 2 OF 2	RVBC-MH-APP-004-05_02
PROPOSED BRADDUP COMPOUND CONSTRUCTION PHASE DRAWING SHEET 1 OF 2	RVBC-MH-APP-004-05_03
PROPOSED BRADDUP COMPOUND CONSTRUCTION PHASE DRAWING SHEET 2 OF 2	RVBC-MH-APP-004-05_04
PROPOSED BONSTONE COMPOUND CONNECTION PHASE DRAWING SHEET 1 OF 2	RVBC-MH-APP-004-06_01

Drawing Title	Drawing Reference
PROPOSED BONSTONE COMPOUND CONNECTION PHASE DRAWING SHEET 2 OF 2	RVBC-MH-APP-004-06_02
PROPOSED BRADDUP COMPOUND CONNECTION PHASE DRAWING SHEET 1 OF 2	RVBC-MH-APP-004-06_03
PROPOSED BRADDUP COMPOUND CONNECTION PHASE DRAWING SHEET 2 OF 2	RVBC-MH-APP-004-06_04
COMPOUND SECTIONS - BONSTONE COMPOUND	RVBC-MH-APP-004-07_01
COMPOUND SECTIONS - BRADDUP COMPOUND	RVBC-MH-APP-004-07_02
Bonstone Compound - Pipeline Open Cut Construction Easement - Cross Section	80061155-01-UU-TR4-XX-DR-C-20011
Bonstone Compound - Proposed Pipeline Connection Layout	80061155-01-UU-TR4-XX-DR-C-20012
Braddup Compound - Pipeline Open Cut Construction Easement - Cross Section	80061155-01-UU-TR4-XX-DR-C-20013
Braddup Compound - Proposed Pipeline Connection Layout	80061155-01-UU-TR4-XX-DR-C-20014
COMPOUND ELEVATIONS - BONSTONE COMPOUND	RVBC-MH-APP-004-09_01
COMPOUND ELEVATIONS - BRADDUP COMPOUND	RVBC-MH-APP-004-09_02
BONSTONE COMPOUND PROPOSED VALVE HOUSE BUILDING ELEVATIONS	80061155-01-UU-TR4-XX-DR-C-00033
BRADDUP COMPOUND PROPOSED VALVE HOUSE BUILDING ELEVATIONS	80061155-01-UU-TR4-XX-DR-C-00034
BONSTONE COMPOUND TYPICAL RAISED CHAMBER DETAIL	80061155-01-UU-TR4-XX-DR-C-00035
BRADDUP COMPOUND TYPICAL RAISED CHAMBER DETAIL	80061155-01-UU-TR4-XX-DR-C-00036
BONSTONE COMPOUND PROPOSED FENCING AND GATE DETAIL	80061155-01-UU-TR4-XX-DR-C-00037
BRADDUP COMPOUND PROPOSED FENCING AND GATE DETAIL	80061155-01-UU-TR4-XX-DR-C-00038
PROPOSED RIBBLE CROSSING BRIDGE GENERAL ARRANGEMENT AND ELEVATIONS	80061155-01-JAC-TR4-97-DR-C-00008
General Arrangement – Compound Junction Access Details (Bonstone Compound)	RVBC-MH-APP-004-11_01
General Arrangement – Compound Junction Access Details (Braddup Compound)	RVBC-MH-APP-004-11_02
HIGHWAYS WORKS PROPOSALS (SHEET LOCATIONS) SHEET 1 of 12	RVBC-MH-APP-004-12_01
Highways Works Proposals (Sheet 2 of 12)	RVBC-MH-APP-004-12_02

Drawing Title	Drawing Reference
Highways Works Proposals (Sheet 3 of 12)	RVBC-MH-APP-004-12_03
Highways Works Proposals (Sheet 4 of 12)	RVBC-MH-APP-004-12_04
Highways Works Proposals (Sheet 5 of 12)	RVBC-MH-APP-004-12_05
Highways Works Proposals (Sheet 6 of 12)	RVBC-MH-APP-004-12_06
Highways Works Proposals (Sheet 7 of 12)	RVBC-MH-APP-004-12_07
Highways Works Proposals (Sheet 8 of 12)	RVBC-MH-APP-004-12_08
Highways Works Proposals (Sheet 9 of 12)	RVBC-MH-APP-004-12_09
Highways Works Proposals (Sheet 10 of 12)	RVBC-MH-APP-004-12_10
HIGHWAYS WORKS PROPOSALS - TYPICAL PASSING PLACE CROSS SECTIONS - SHEET 11 of 12	RVBC-MH-APP-004-12_11
HIGHWAYS WORKS PROPOSALS - TYPICAL ROAD WIDENING CROSS SECTIONS - SHEET 12 of 12	RVBC-MH-APP-004-12_12
Highways Works Proposals (Ribble Crossing Sheet 1 of 2)	80061155-01-JAC-TR4-97-DR-C-00006
Highways Works Proposals (Ribble Crossing - Sheet 2 of 2)	80061155-01-JAC-TR4-97-DR-C-00007
General Arrangement - Clitheroe Park & Ride Facility and HGV Holding Area	80061155-01-JAC-TR4-XX-DR-C-00030

3. Environmental Statement

Volume	Document Title	Document Reference
Volume 1	Non-Technical Summary	RVBC-MH-ES-NTS
Volume 2	Chapter 1: Introduction	RVBC-MH-ES-001
Volume 2	Chapter 2: Environmental Context	RVBC-MH-ES-002
Volume 2	Chapter 3: Design Evolution & Development Description	RVBC-MH-ES-003
Volume 2	Chapter 4: EIA Methodology	RVBC-MH-ES-004
Volume 2	Chapter 5: Planning Policy & Context	RVBC-MH-ES-005
Volume 2	Chapter 6: Landscape & Arboriculture	RVBC-MH-ES-006
Volume 2	Chapter 7: Water Environment	RVBC-MH-ES-007
Volume 2	Chapter 8: Flood Risk	RVBC-MH-ES-008
Volume 2	Chapter 9A: Terrestrial Ecology	RVBC-MH-ES-009-01
Volume 2	Chapter 9B: Aquatic Ecology	RVBC-MH-ES-009-02
Volume 2	Chapter 10: Cultural Heritage	RVBC-MH-ES-010
Volume 2	Chapter 11: Soils, Geology & Land Quality	RVBC-MH-ES-011
Volume 2	Chapter 12: Materials & Waste	RVBC-MH-ES-012
Volume 2	Chapter 13: Public Access & Recreation	RVBC-MH-ES-013
Volume 2	Chapter 14: Communities & Health	RVBC-MH-ES-014
Volume 2	Chapter 15: Major Accidents	RVBC-MH-ES-015
Volume 2	Chapter 16: Transport Planning	RVBC-MH-ES-016
Volume 2	Chapter 17: Noise & Vibration	RVBC-MH-ES-017
Volume 2	Chapter 18: Air Quality & Climate Change	RVBC-MH-ES-018
Volume 2	Chapter 19: Cumulative Effects	RVBC-MH-ES-019
Volume 2	Chapter 20: Environmental Mitigation	RVBC-MH-ES-020
Volume 2	Chapter 21: Summary of Significant Effects	RVBC-MH-ES-021
Volume 3	Figure 1.1: Proposed Programme of Works	RVBC-MH-FIG-001-001
Volume 3	Figure 1.2: Planning Proposed Marl Hill Section	RVBC-MH-FIG-001-002
Volume 3	Figure 3.1A: Planning Application Boundary Marl Hill Section	RVBC-MH-FIG-003-001A
Volume 3	Figure 3.1B: Highways Works Planning Application Boundary Marl Hill Section	RVBC-MH-FIG-003-001B
Volume 3	Figure 6.1: Zone of Theoretical Visibility (ZTV)	RVBC-MH-FIG-006-001
Volume 3	Figure 6.2: Representative Viewpoint Locations and Photomontage Locations	RVBC-MH-FIG-006-002
Volume 3	Figure 6.3: Landscape Context	RVBC-MH-FIG-006-003
Volume 3	Figure 6.4: Landscape Character	RVBC-MH-FIG-006-004

Volume	Document Title	Document Reference
Volume 3	Figure 6.5: Tree Constraints and Assessment Plan	RVBC-MH-FIG-006-005
Volume 3	Figure 6.6: Preliminary Trees at Risk Plan	RVBC-MH-FIG-006-006
Volume 3	Figure 6.7: Representative Viewpoint Photos	RVBC-MH-FIG-006-007
Volume 3	Figure 6.8: Viewpoint TR04_01 Photomontages	RVBC-MH-FIG-006-008
Volume 3	Figure 6.9: Viewpoint TR04_02 Photomontages	RVBC-MH-FIG-006-009
Volume 3	Figure 6.10: Viewpoint TR04_03 Photomontages	RVBC-MH-FIG-006-010
Volume 3	Figure 7.1: Water Environment Assessment Area	RVBC-MH-FIG-007-001
Volume 3	Figure 7.2: Geomorphology Baseline	RVBC-MH-FIG-007-002
Volume 3	Figure 7.3: Surface Water Quality Baseline	RVBC-MH-FIG-007-003
Volume 3	Figure 7.4: Bedrock Aquifer Designation Map and GI Borehole Locations	RVBC-MH-FIG-007-004
Volume 3	Figure 7.5: Superficial Aquifer Designation Map and GI Borehole Locations	RVBC-MH-FIG-007-005
Volume 3	Figure 7.6: Private Water Supply Locations, Source Protection Zones and Spring Discharges as Recorded on Ordnance Survey Maps, GWDTE Surveys and documented by Preene Groundwater Consultancy Ltd (2014)	RVBC-MH-FIG-007-006
Volume 3	Figure 7.7: Groundwater Dependent Terrestrial Ecosystems - Location Plan	RVBC-MH-FIG-007-007
Volume 3	Figure 7.8: Groundwater Dependent Terrestrial Ecosystems - Site-Specific Mitigation Measures	RVBC-MH-FIG-007-008
Volume 3	Figure 9A.1: Ecological Statutory Designations with 5km Buffer	RVBC-MH-FIG-009-01-01
Volume 3	Figure 9A.2: Ecological Non-Statutory Designations with 2km Buffer	RVBC-MH-FIG-009-01-02
Volume 3	Figure 9A.3: Priority Habitats and Ancient Woodland Within 1km	RVBC-MH-FIG-009-01-03
Volume 3	Figure 9A.4: Species Desktop Records – Overview Marl Hill Section	RVBC-MH-FIG-009-01-04
Volume 3	Figure 9A.5: Phase 1 Habitat Survey	RVBC-MH-FIG-009-01-05
Volume 3	Figure 9A.6: Hedgerow Assessment Plan	RVBC-MH-FIG-009-01-06
Volume 3	Figure 9A.7: National Vegetation Classification Plan	RVBC-MH-FIG-009-01-07
Volume 3	Figure 9A.8: Badger Sett Location Plan [CONFIDENTIAL]	RVBC-MH-FIG-009-01-08
Volume 3	Figure 9A.9: Trees with Bat Roost Potential	RVBC-MH-FIG-009-01-09
Volume 3	Figure 9A.10: Bat Transect Survey Results and Static Detectors	RVBC-MH-FIG-009-01-10
Volume 3	Figure 9A.11: Breeding Bird Survey - Visit 1 (April 2019 and 2020)	RVBC-MH-FIG-009-01-11

Volume	Document Title	Document Reference
Volume 3	Figure 9A.12: Breeding Bird Survey - Visit 2 (May 2019 and 2020)	RVBC-MH-FIG-009-01-12
Volume 3	Figure 9A.13: Breeding Bird Survey - Visit 3 (June 2019 and 2020)	RVBC-MH-FIG-009-01-13
Volume 3	Figure 9A.14: Winter Bird Survey – Visit 1 (September 2019)	RVBC-MH-FIG-009-01-14
Volume 3	Figure 9A.15: Winter Bird Survey – Visit 2 (October 2019)	RVBC-MH-FIG-009-01-15
Volume 3	Figure 9A.16: Winter Bird Survey – Visit 3 (November 2019)	RVBC-MH-FIG-009-01-16
Volume 3	Figure 9A.17: Winter Bird Survey – Visit 4 (December 2019)	RVBC-MH-FIG-009-01-17
Volume 3	Figure 9A.18: Winter Bird Survey – Visit 5 (January 2020)	RVBC-MH-FIG-009-01-18
Volume 3	Figure 9A.19: Winter Bird Survey – Visit 6 (February 2020)	RVBC-MH-FIG-009-01-19
Volume 3	Figure 9A.20: Winter Bird Survey – Visit 7 (March 2020)	RVBC-MH-FIG-009-01-20
Volume 3	Figure 9A.21: GCN Pond Location Plan	RVBC-MH-FIG-009-01-21
Volume 3	Figure 9B.1: Aquatic Ecology Baseline	RVBC-MH-FIG-009-02-01
Volume 3	Figure 9B.2: Otter Baseline	RVBC-MH-FIG-009-02-02
Volume 3	Figure 9B.3: Water Vole Baseline	RVBC-MH-FIG-009-02-03
Volume 3	Figure 10.1: Cultural Heritage Assets within Study Area	RVBC-MH-FIG-010-001
Volume 3	Figure 10.2: Designated Cultural Heritage Assets within ZTV	RVBC-MH-FIG-010-002
Volume 3	Figure 10.3: Environment Agency LiDAR Digital Surface Model (DSM)	RVBC-MH-FIG-010-003
Volume 3	Figure 11.1: Bedrock Geology	RVBC-MH-FIG-011-001
Volume 3	Figure 11.2: Superficial Geology and Artificial Ground	RVBC-MH-FIG-011-002
Volume 3	Figure 11.3: Agricultural Land Classification	RVBC-MH-FIG-011-003
Volume 3	Figure 11.4: Geological Designation and Resources	RVBC-MH-FIG-011-004
Volume 3	Figure 13.1: Public Access and Recreation Baseline	RVBC-MH-FIG-013-001
Volume 3	Figure 14.1: Regional Community Assessment Area (RCAA) Boundary	RVBC-MH-FIG-014-001
Volume 3	Figure 14.2: LCAA Boundary and Community Areas	RVBC-MH-FIG-014-002
Volume 3	Figure 14.3: Community and Health Receptors	RVBC-MH-FIG-014-003
Volume 3	Figure 16.1: Traffic Count Survey Locations	RVBC-MH-FIG-016-001
Volume 3	Figure 16.2: Proposed Vehicle Routing	RVBC-MH-FIG-016-002

Volume	Document Title	Document Reference
Volume 3	Figure 17.1: Baseline Sound Level Monitoring Locations and Assessment Sample Receptor Locations	RVBC-MH-FIG-017-001
Volume 3	Figure 18.1: Modelled Generator Locations, Receptor Locations and Modelled Road Network	RVBC-MH-FIG-018-001
Volume 3	Figure 19.1: Cumulative Effects	RVBC-MH-FIG-019-001
Volume 3	Figure 20.1: Environmental Masterplan (Page 1 of 4)	RVBC-MH-FIG-020-001_pg1
Volume 3	Figure 20.1: Environmental Masterplan (Page 2 of 4)	RVBC-MH-FIG-020-001_pg2
Volume 3	Figure 20.1: Environmental Masterplan (Page 3 of 4)	RVBC-MH-FIG-020-001_pg3
Volume 3	Figure 20.1: Environmental Masterplan (Page 4 of 4)	RVBC-MH-FIG-020-001_pg4
Volume 4	Appendix 1.1: Project Team	RVBC-MH-TA-001-001
Volume 4	Appendix 1.2: Glossary and Key Terms	RVBC-MH-TA-001-002
Volume 4	Appendix 3.1: Development Description	RVBC-MH-TA-003-001
Volume 4	Appendix 3.2: Construction Code of Practice	RVBC-MH-TA-003-002
Volume 4	Appendix 4.1: Schedule of Consultation	RVBC-MH-TA-004-001
Volume 4	Appendix 5.1: Planning Policy Reference Document	RVBC-MH-TA-005-001
Volume 4	Appendix 6.1: Landscape and Visual Impact Assessment Methodology, Zone of Theoretical Visibility Methodology and Photomontage Methodology	RVBC-MH-TA-006-001
Volume 4	Appendix 6.2: Landscape Character Baseline	RVBC-MH-TA-006-002
Volume 4	Appendix 6.3: Landscape Sensitivity Schedule	RVBC-MH-TA-006-003
Volume 4	Appendix 6.4: Schedule of Landscape Effects	RVBC-MH-TA-006-004
Volume 4	Appendix 6.5: Schedule of Visual Effects	RVBC-MH-TA-006-005
Volume 4	Appendix 6.6: Arboricultural Impact Assessment	RVBC-MH-TA-006-006
Volume 4	Appendix 7.1: Water Framework Directive Assessment	RVBC-MH-TA-007-001
Volume 4	Appendix 7.2: GWDTE Assessment	RVBC-MH-TA-007-002
Volume 4	Appendix 7.3: Geomorphology Proformas	RVBC-MH-TA-007-003
Volume 4	Appendix 7.4: Water Quality Baseline Conditions	RVBC-MH-TA-007-004
Volume 4	Appendix 7.5: Earthworks Dewatering and Groundwater Flow Disruption	RVBC-MH-TA-007-005
Volume 4	Appendix 7.6: Shaft Dewatering Calculations	RVBC-MH-TA-007-006
Volume 4	Appendix 8.1: Flood Risk Assessment	RVBC-MH-TA-008-001
Volume 4	Appendix 9A.1: Desk Based Assessment	RVBC-MH-TA-009-01-01
Volume 4	Appendix 9A.2: Phase 1 Habitat Appendix	RVBC-MH-TA-009-01-02
Volume 4	Appendix 9A.3 Hedgerow Assessment	RVBC-MH-TA-009-01-03

Volume	Document Title	Document Reference
Volume 4	Appendix 9A.4: National Vegetation Classification Surveys	RVBC-MH-TA-009-01-04
Volume 4	Appendix 9A.5: Badger Surveys [CONFIDENTIAL]	RVBC-MH-TA-009-01-05
Volume 4	Appendix 9A.6: Bats Surveys	RVBC-MH-TA-009-01-06
Volume 4	Appendix 9A.7: Breeding Birds Surveys	RVBC-MH-TA-009-01-07
Volume 4	Appendix 9A.8: Amphibian Surveys	RVBC-MH-TA-009-01-08
Volume 4	Appendix 9B.1: Aquatic Ecology Baseline	RVBC-MH-TA-009-02-01
Volume 4	Appendix 9B.2: Otter Baseline	RVBC-MH-TA-009-02-02
Volume 4	Appendix 9B.3: Water Vole Baseline	RVBC-MH-TA-009-02-03
Volume 4	Appendix 10.1: Cultural Heritage Desk Based Survey	RVBC-MH-TA-010-001
Volume 4	Appendix 10.2: Cultural Heritage Gazetteer	RVBC-MH-TA-010-002
Volume 4	Appendix 10.3: Geophysical Survey Report of Proposed Bonstone Compound Haweswater Aqueduct Resilience Programme – Proposed Marl Hill Section	RVBC-MH-TA-010-003
Volume 4	Appendix 10.4: Geophysical Survey Report of Proposed Braddup Compound Haweswater Aqueduct Resilience Programme – Proposed Marl Hill Section	RVBC-MH-TA-010-004
Volume 4	Appendix 11.1: United Utilities Geotechnical and Geo-environmental Desk Study TR4	RVBC-MH-TA-011-001
Volume 4	Appendix 11.2: Soils, Geology & Land Quality Baseline	RVBC-MH-TA-011-002
Volume 4	Appendix 13.1: Public Access & Recreation Baseline	RVBC-MH-TA-013-001
Volume 4	Appendix 14.1: Health Assessment	RVBC-MH-TA-TA-014-001
Volume 4	Appendix 16.1: Transport Assessment	RVBC-MH-TA-016-001
Volume 4	Appendix 17.1: Legislation, Policy & Guidance Summary	RVBC-MH-TA-017-001
Volume 4	Appendix 17.2: Construction Assessment Approach & Scenarios	RVBC-MH-TA-017-002
Volume 4	Appendix 17.3: Baseline Sound Levels Review Report	RVBC-MH-TA-017-003
Volume 4	Appendix 17.4: Construction Vibration	RVBC-MH-TA-017-004
Volume 4	Appendix 18.1: Dispersion Model Input Parameters	RVBC-MH-TA-018-001
Volume 4	Appendix 18.2: Dispersion Model Results	RVBC-MH-TA-018-002
Volume 4	Appendix 20.1: Schedule of Mitigation	RVBC-MH-TA-020-001
Volume 4	Appendix 20.2: Planting Proposals	RVBC-MH-TA-020-002
Volume 5	Marl Hill and Newton-in-Bowland Compounds Highways Works Part I: Environmental Assessment (excluding Ecology)	RVBC-MH-ES-V5-P1-001

Volume	Document Title	Document Reference
Volume 5	Marl Hill and Newton-in-Bowland Compounds Highways Works Master Plan	RVBC-MH-FIG-V5-P1-001
Volume 5	Marl Hill and Newton-in-Bowland Compounds Highways Works Environmental Assessment Figures	RVBC-MH-FIG-V5-P1-002
Volume 5	Off-Site Highways Works Part II: Ecology Assessment	RVBC-MH-ES-V5-P2-001
Volume 5	Off-Site Highways Works Ecology Figure 1: Ecological Statutory Designations within 5km	RVBC-MH-FIG-V5-P2.01
Volume 5	Off-Site Highways Works Ecology Figure 2: Ecological Non-Statutory Designations within 2km	RVBC-MH-FIG-V5-P2.02
Volume 5	Off-Site Highways Works Ecology Figure 3: Priority Habitats and Ancient Woodland within 1km	RVBC-MH-FIG-V5-P2.03
Volume 5	Off-Site Highways Works Ecology Figure 4: Desktop Data	RVBC-MH-FIG-V5-P2.04
Volume 5	Off-Site Highways Works Ecology Figure 5: Phase 1 Survey	RVBC-MH-FIG-V5-P2.05
Volume 5	Off-Site Highways Works Appendix 1: Citations for Wildlife Designations	RVBC-MH-TA-V5-P2-01
Volume 6	Chapter 1: Introduction	RVBC-MH-RC-ES-001
Volume 6	Chapter 2: Environmental Context	RVBC-MH-RC-ES-002
Volume 6	Chapter 3: Design Evolution & Scheme Description	RVBC-MH-RC-ES-003
Volume 6	Chapter 4: EIA Methodology	RVBC-MH-RC-ES-004
Volume 6	Chapter 5: Planning Policy & Context	RVBC-MH-RC-ES-005
Volume 6	Chapter 6: Landscape & Arboriculture	RVBC-MH-RC-ES-006
Volume 6	Chapter 7: Water Environment	RVBC-MH-RC-ES-007
Volume 6	Chapter 8: Flood Risk	RVBC-MH-RC-ES-008
Volume 6	Chapter 9A: Terrestrial Ecology	RVBC-MH-RC-ES-009-01
Volume 6	Chapter 9B: Aquatic Ecology	RVBC-MH-RC-ES-009-02
Volume 6	Chapter 10: Cultural Heritage	RVBC-MH-RC-ES-010
Volume 6	Chapter 11: Soils, Geology & Land Quality	RVBC-MH-RC-ES-011
Volume 6	Chapter 12: Materials & Waste	RVBC-MH-RC-ES-012
Volume 6	Chapter 13: Public Access & Recreation	RVBC-MH-RC-ES-013
Volume 6	Chapter 14: Communities & Health	RVBC-MH-RC-ES-014
Volume 6	Chapter 15: Major Accidents & Disasters	RVBC-MH-RC-ES-015
Volume 6	Chapter 16: Transport Planning	RVBC-MH-RC-ES-016
Volume 6	Chapter 17: Noise & Vibration	RVBC-MH-RC-ES-017
Volume 6	Chapter 18: Air Quality	RVBC-MH-RC-ES-018
Volume 6	Chapter 19: Cumulative Effects	RVBC-MH-RC-ES-019

Volume	Document Title	Document Reference
Volume 6	Chapter 20: Environmental Mitigation	RVBC-MH-RC-ES-020
Volume 6	Chapter 21: Summary of Significant Effects	RVBC-MH-RC-ES-021
Volume 6	Figure 3.1: Ribble Crossing Location Plan	RVBC-MH-RC-FIG-003-001
Volume 6	Figure 6.1: Zone of Theoretical Visibility (ZTV)	RVBC-MH-RC-FIG-006-001
Volume 6	Figure 6.2: Representative Viewpoint Locations	RVBC-MH-RC-FIG-006-002
Volume 6	Figure 6.3: Landscape Context	RVBC-MH-RC-FIG-006-003
Volume 6	Figure 6.4: Landscape Character	RVBC-MH-RC-FIG-006-004
Volume 6	Figure 6.5: Tree Constraints and Assessment Plan	RVBC-MH-RC-FIG-006-005
Volume 6	Figure 6.6: Preliminary Trees at Risk Plan	RVBC-MH-RC-FIG-006-006
Volume 6	Figure 6.7: Representative Viewpoint Photos	RVBC-MH-RC-FIG-006-007
Volume 6	Figure 6.8: Viewpoint RC/06 Photomontages	RVBC-MH-RC-FIG-006-008
Volume 6	Figure 6.9: Viewpoint RC/10 Photomontages	RVBC-MH-RC-FIG-006-009
Volume 6	Figure 6.10: Viewpoint RC/13 Photomontages	RVBC-MH-RC-FIG-006-010
Volume 6	Figure 7.1: Water Environment Study Area	RVBC-MH-RC-FIG-007-001
Volume 6	Figure 7.2: Geomorphology Baseline	RVBC-MH-RC-FIG-007-002
Volume 6	Figure 7.3: Surface Water Quality Baseline	RVBC-MH-RC-FIG-007-003
Volume 6	Figure 7.4: Superficial Aquifers	RVBC-MH-RC-FIG-007-004
Volume 6	Figure 9A.1: Ecological Statutory Designations within 5km	RVBC-MH-RC-FIG-009-01-001
Volume 6	Figure 9A.2: Ecological Non-Statutory Designations within 2km	RVBC-MH-RC-FIG-009-01-002
Volume 6	Figure 9A.3: Priority Habitats and Ancient Woodland Within 1km	RVBC-MH-RC-FIG-009-01-003
Volume 6	Figure 9A.4: Species Desktop Records	RVBC-MH-RC-FIG-009-01-004
Volume 6	Figure 9A.5: Phase 1 Habitat Survey	RVBC-MH-RC-FIG-009-01-005
Volume 6	Figure 9A.6: Hedgerow Assessment Plan	RVBC-MH-RC-FIG-009-01-006
Volume 6	Figure 9A.7: Trees with Bat Roost Suitability	RVBC-MH-RC-FIG-009-01-007
Volume 6	Figure 9A.8: Winter Birds Survey Visit 1 December 2020	RVBC-MH-RC-FIG-009-01-008
Volume 6	Figure 9A.9: Winter Birds Survey Visit 2 January 2021	RVBC-MH-RC-FIG-009-01-009
Volume 6	Figure 9A.10: Winter Birds Survey Visit 3 February 2021	RVBC-MH-RC-FIG-009-01-010
Volume 6	Figure 9A.11: Winter Birds Survey Visit 4 March 2021	RVBC-MH-RC-FIG-009-01-011
Volume 6	Figure 9A.12: GCN Pond Location Plan	RVBC-MH-RC-FIG-009-01-012
Volume 6	Figure 9B.1: Aquatic Ecology Baseline	RVBC-MH-RC-FIG-009-02-001
Volume 6	Figure 10.1: Cultural Heritage Assets within Study Area	RVBC-MH-RC-FIG-010-001

Volume	Document Title	Document Reference
Volume 6	Figure 10.2: Designated Cultural Heritage Assets within ZTV	RVBC-MH-RC-FIG-010-002
Volume 6	Figure 10.3: Cultural Heritage Lidar	RVBC-MH-RC-FIG-010-003
Volume 6	Figure 11.1: Superficial Geology	RVBC-MH-RC-FIG-011-001
Volume 6	Figure 11.2: Bedrock Geology	RVBC-MH-RC-FIG-011-002
Volume 6	Figure 11.3: Geological Designation and Resources	RVBC-MH-RC-FIG-011-003
Volume 6	Figure 13.1: Public Access and Recreation Baseline	RVBC-MH-RC-FIG-013-001
Volume 6	Figure 14.1: Regional Community Assessment Area (RCAA) Boundary	RVBC-MH-RC-FIG-014-001
Volume 6	Figure 14.2: LCAA Boundary and Community Areas	RVBC-MH-RC-FIG-014-002
Volume 6	Figure 14.3: Community and Health Receptors	RVBC-MH-RC-FIG-014-003
Volume 6	Figure 16.1: Traffic Count Site Locations	RVBC-MH-RC-FIG-016-001
Volume 6	Figure 16.2: Proposed Vehicle Routing	RVBC-MH-RC-FIG-016-002
Volume 6	Figure 17.1: Noise and Vibration Sample Receptor Locations Ribble Crossing	RVBC-MH-RC-FIG-017-001
Volume 6	Figure 18.1: Sensitive Locations, Operation Traffic Flows, Affected Road Network surrounding the Proposed Ribble Crossing	RVBC-MH-RC-FIG-018-001
Volume 6	Figure 20.1: Environmental Masterplan (Page 1 of 2)	RVBC-MH-RC-FIG-020-001_pg1
Volume 6	Figure 20.1: Environmental Masterplan (Page 2 of 2)	RVBC-MH-RC-FIG-020-001_pg2
Volume 6	Appendix 6.1: Landscape Character Baseline Information	RVBC-MH-RC-TA-006-001
Volume 6	Appendix 6.2: Landscape Sensitivity Schedule	RVBC-MH-RC-TA-006-002
Volume 6	Appendix 6.3: Schedule of Landscape Effects	RVBC-MH-RC-TA-006-003
Volume 6	Appendix 6.4: Schedule of Visual Effects	RVBC-MH-RC-TA-006-004
Volume 6	Appendix 6.5: Arboricultural Impact Assessment	RVBC-MH-RC-TA-006-005
Volume 6	Appendix 6.6: Photomontage Methodology	RVBC-MH-RC-TA-006-006
Volume 6	Appendix 7.1: Preliminary Water Environmental Regulations Compliance Assessment	RVBC-MH-RC-TA-007-001
Volume 6	Appendix 7.2: Geomorphology Proforma	RVBC-MH-RC-TA-007-002
Volume 6	Appendix 7.3: Water Quality - Baseline Conditions	RVBC-MH-RC-TA-007-003
Volume 6	Appendix 8.1: Flood Risk Assessment	RVBC-MH-RC-TA-008-001
Volume 6	Appendix 9A.1: Desk Based Assessment	RVBC-MH-RC-TA-009-01-001
Volume 6	Appendix 9A.2: Habitats	RVBC-MH-RC-TA-009-01-002
Volume 6	Appendix 9A.3: Bats	RVBC-MH-RC-TA-009-01-003
Volume 6	Appendix 9A.4: Birds	RVBC-MH-RC-TA-009-01-004
Volume 6	Appendix 9A.5: Amphibians	RVBC-MH-RC-TA-009-01-005

Volume	Document Title	Document Reference
Volume 6	Appendix 9B.1: Aquatic Ecology Baseline	RVBC-MH-RC-TA-009-02-01
Volume 6	Appendix 9B.2: Protected Species Survey Report	RVBC-MH-RC-TA-009-02-02
Volume 6	Appendix 11.1: Geotechnical and Geo-environmental Site Briefing (Desk Study) Report	RVBC-MH-RC-TA-011-001
Volume 6	Appendix 11.2: Soils, Geology & Land Quality Baseline	RVBC-MH-RC-TA-011-002
Volume 6	Appendix 13.1: Public Access and Recreation Baseline	RVBC-MH-RC-TA-013-001
Volume 6	Appendix 16.1: Transport Assessment	RVBC-MH-RC-TA-016-001
Volume 6	Appendix 17.1: Additional Baseline Location	RVBC-MH-RC-TA-017-001
Volume 6	Appendix 17.2: Construction Plant List	RVBC-MH-RC-TA-017-002