HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS



<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reporte in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features when screened against the predicted impacts associated with the proposed off-site highway works using the same methodology described in Volume 2, is anticipated to give rise to likel significant effects.

HIGHWAYS WORKS LOCATION: RW28

	Likely Significant Effects - Pre-mitigation
ו	No likely significant effects.
ed ss, /s ly	

Mitigation / Reinstatement No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d



1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where ikely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of three topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting in the figures for this topic. Effects on arboricultural enskada reports in Volume 5.0ft-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3 Anticipated effects on wider community areas are not reported on this set of figures, but are instead const Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not add reported separately in Volume 5, Off-Site Highways Works, Part 2: Environmer Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning A





Farm

Likely significant effect from noise and vibration on the residents of a farm 40m from the highway improvement works, during construction.

Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L correst of the control of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document. Use of Ordnance Survey may data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escreted and may not be reproduced, either wholly or in part, in any way whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document of the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escrete a copyright and database rights 2020 Ordnance Survey 010031673. The most publicly available up to date Historic England GIS Data can be obtained form HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained form HistoricEngland. Copyright and database right 2020. Contains OS data © Crown copyright and dat

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting nhe figures of this topic. Effects on arboricultura enishead reports in Volume 5. Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Sector ES.

3.Anlicipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are ins reported separately in Volume 5, Off-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Applic

Legend

Highways Works

Planning Application Boundary

Road Widening (RW)

Environmental Constraints

Bowland Fells National Character Area

Area of Outstanding Natural Beauty

Arboriculture Tree Group Canopies - RAG Impacts

Tree Group/Woodland/Hedgerow Feature to be Removed

Tree Group/Woodland/Hedgerow Feature at Risk of Removal but Aiming to Retain

Tree Group/Woodland/Hedgerow Feature to be Retained with Protection Measures

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: PP02

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

L correst of the control of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document. Use of Ordnance Survey may data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escreted and may not be reproduced, either wholly or in part, in any way whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document of the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escrete a copyright and database rights 2020 Ordnance Survey 010031673. The most publicly available up to date Historic England GIS Data can be obtained form HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained form HistoricEngland. Copyright and database right 2020. Contains OS data © Crown copyright and dat

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reporte in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3 Anticipated effects on wider community areas are not reported on this set of figures, but are instead con Volume 5, Off-Site Highways Works, Part 1 report.

4. Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not ac reported separately in Volume 5, Off-Site Highways Works, Part 2: Environm Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Plan

Baseline

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

HIGHWAYS WORKS LOCATION: RW25

Likely Significant Effects - Pre-mitigation

No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where ikely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of three topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboricultural entesded reports in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section E.S.

3.Anlicipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are ins reported separately in Volume 5, Off-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Applicatio

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where ikely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of three topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reporter in Volume 5, OffSite Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anlicipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are ins reported separately in Volume 5, Off-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

L correst of the control of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document. Use of Ordnance Survey may data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escreted and may not be reproduced, either wholly or in part, in any way whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document of the controller of H.M. Stationery Office. OS Licence Number 100019326, Crown copyright escrete a copyright and database rights 2020 Ordnance Survey 010031673. The most publicly available up to date Historic England GIS Data can be obtained form HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained from HistoricEngland. Org.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. England GIS Data can be obtained form HistoricEngland. Copyright and database right 2020. Contains OS data © Crown copyright and dat

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reports in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3Anticipated effects on wider community areas are not reported on this set of figures, but are instead co Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment arr reported separately in Volume 5, Off-Site Highways Works, Part 2: En Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Pla

Bonstone Brook, Unnamed Watercourse 2096

Likely temporary significant effect to Bonstone Brook from increased fine sediment input. Likely Add coarse sediment where impact occurs. Reinstatement to be supervised by a permanent significant effect to Unnamed Watercourse 2096 due to potential channel instability. geomorphologist or Ecological Clerk of Works.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of United Utilities Water Limited Trans or the optimal was obtained on 07/08/2020. Contains Ordnance Survey data © Crown copyright and database rights 2020 Ordnance Survey of 000031673. The most publicly available up to date Historic England GIS Data contained on 07/08/2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of date @ Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS dat

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated.
2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting of the figures for this block. Effects on arboricultural era instead exposition to SUMMERS (Section 5.)

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead cor Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are no reported separately in Volume 5, Off-Site Highways Works, Part 2: Enviror Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Plan

Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Landscape and Visual	Landscape and Visual
Likely significant effect to the users of PRoW 3-43-FP 1 (T4A/12) from visual impact during construction.	Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward and stone walls.
Noise and Vibration	Noise and Vibration
Likely significant effect from noise and vibration on the residents along Ribble Lane representative of multiple receptors in Chatburn, 10m from the highway improvement works, representative of multiple receptors in Chatburn, during construction.	Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content may not be used by, or its contents div

6/18/2021 United Utilities Water for the North West

Far Brown

DATE

A3

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME NEWTON AND MARL HILL HIGHWAYS WORKS -ENVIRONMENTAL ASSESSMENT FIGURES PAGE 9 OF 33

SHEET SIZE REVISION 01 DRAWING NUMBER RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW21

Baseline	Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement					
Landscape and Visual	Landscape and Visual	Landscape and Visual					
PRoW 3-43-FP 1 (T4A/12)	Likely significant effect to the users of PRoW 3-43-FP 1 (T4A/12) from visual impact during construction.	Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward and stone walls.					
The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this docume	nt may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoev	er. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limiter					
right Asknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. Isitoric England 2020. Contains Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. Isitoric England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland.org.uk.© Natural England copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database right 2020. Contains Of data © Crown copyright and database							

RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW20

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document, which is a been supplied and may not be reproduced, either wholly or in part, in any way whatseever. It may not be used by, or its contents divulged to any other person whatseever without the prior written permission of United Utilities Water Limited. The content of this document, which is a been supplied and may not be reproduced, either wholly or in part, in any way whatseever. It may not be used by, or its contents divulged to any other person whatseever without the prior written permission of United Utilities Water Limited. The content of this document unitinges copyright. Conver copyright and tatabase rights 2020 Ordnance Survey () 10003 1673. It Historic England GIS Data can be obtained from Historic England GIS Data contained in this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from Historic England Copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of d

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arborcultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures of this topic. Effects on arborcultura en instead reports in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3 Anticipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are inst reported separately in Volume 5, Off-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application

•

.

.

.

<u>Highways Works</u>

Planning Application Boundary
· Road Widening (RW)

- Passing Place (PP) Environmental Constraints
 - Bowland Fells National Character Area
 - Area of Outstanding Natural Beauty

DRAWING NUMBER RVBC-BO-FIG-V5-P1-002

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arborcultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures of this topic. Effects on arborcultura en instead reports in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are ins reported separately in Volume 5, OIF-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

DRAWING NUMBER RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		in Carton		•	• • • • • •	•			STORES FORM	ない 一般の な				and the second														
	0	1				Ale and				三、秦令					Ň			1.1		1					4.	/	÷	
	EAN	行行	C Alan			State 1		12 2 2							W S E	Ξ										(
S				-	- Alexandra	and the second							a san	A CONTRACTOR	Ś							-				1-		
						N. Cal			i si Lida		State -		- star	Cong R												1		
	7	an Other	A Part	. •	A Million				•) 7	1.907	15	T.S. LINE	A STATE	2000						14.1			1			1	_	
a Plan in						Meren -	1	A.C. St.	1. 1. 1.		69.00		近日の													(
				•		Sec. 12.	(ip)		9. E.S		•		12000								0							_
all and and	£	E ala				MAC.		MAR C.						and the state of					*		÷.,					-		1
						*		10.1	1 - A - A -				Ast El	A Part						_						(_
Section 10			ALC: N	4					- 1	一個身			a start	and the second		-	-		-			11				-)	÷	-
				il.	e op.			第二百	1.1			1.40	19 2 St													/		_
					10					. Aline	1°						÷.	+.	+.1	. +					+	(-		
L. Surpling		212	-	C. Marine				A Res	E.												- 1							-
					The state	0 9 H			2.º Al			1. John the	AT THE	a the			1.0									}		
R Santa		and the second	A A A A A A A A A A A A A A A A A A A				•	Not and	and the		AN E IS	0 2	and the second													/		
•	•		Toba				5	1. 1	- 0 2	NOT			15 AN	5. C. 6.							•))		
					A State	- Carlos			C. P.	ともない		Sec.	A TAK	4.00-140							-	11		-	(-	-
		1.4	1.1				28. I	121-3			2	A CAR)			
				ALL.				Mr. E.			A SUN	Mar Al	(1) 法国	Ed and									-					-
		the seal						Person .	1	E La		N.S.	e critta									-						
			Mar Vi	Page 19		tyl de		all the second	11 21	PAR -	-	- ART	- 13 (m)	N 19						- 4				E.				-
	1 Party	of the state		-					1 1 1 2 2	A L	-	- start	And the state)	\wedge			
and the second	1	10 10	4. · ·		560			8n - 13/	1				The second					_				-		/	11 1		/	<
	TR.	1.73			The W	. di		H.	State of the state				THE SAL										1		//	X		1
	1.	50.00		10		•		FOR		1		1 CE	and the second	Section .								-	LX-	_	IF	- 4	1	_
0		50	1000	10	00			The		17 × 24		AR AN	a line		0		30			60	ן דר		A		1/)	-	٢
SCALE @	A3 1:2,00	0		and the second	metres			1 State		- F	2.				SCALE @ A	3 1:1,000				metre	es	-	11			/		_
		107 ×	and the second second			e stand.	And a state of the local division of the loc	and a second sec	and the second s	and the second states	and the second se	Address of the Address of the	A DECEMBER OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE	A REAL PROPERTY AND A										1	11	/		—

HIGHWAYS WORKS LOCATION: RW17

Baseline

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation

No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever, may data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 010031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database rights 2020. The Historic England GIS Data contained in this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland.org.uk.© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not antiopated.

2. Given the geographically broad nature of anticipated effects on aboricultural resources are interpreted, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reported in Volume 5, OK-site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3 Anticipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are instear reported separately in Volume 5, 0ff-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swatther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application Drawings

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW16

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where ikely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of three topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures of this topic. Effects on arboricultural enskade arborits in Volume 5, Of Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anlicipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are im reported separately in Volume 5, OIF-Site Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Appli

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of ancipated. and an analyse text has been included in the reporting on the figures for this back. Effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this back. Effects on arboricultural resources in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section E.S.

3 Anticipated effects on wider community areas are not reported on this set of figures, but are instead cor Volume 5, Off-Site Highways Works, Part 1 report.

4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report. 5.The findings of the terrestrial and aquatic ecological assessment are not add reported separately in Volume 5, Off-Site Highways Works, Part 2: Environment Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning J

Legend

Highways Works

Planning Application Boundary

- Road Widening (RW)

Passing Place (PP)

Environmental Constraints

Bowland Fringe and Pendle Hill National Character Area

Area of Outstanding Natural Beauty

Arboriculture Tree Point - RAG Impacts

Individual tree to be removed

Arboriculture Tree Group Canopies - RAG Impacts

Tree Group/Woodland/Hedgerow Feature to be Removed

RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW14

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where kiely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures for those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipate effects on arboricultural resources illustrated on this set of figures, no anarative text has been included in the reporting on the figures of this topic. Effects on arboricultural enskade aroperta in Volume 5, Of Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3Anticipated effects on wider community areas are not reported on this set of figures, but are instead co Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not ac reported separately in Volume 5, Off-Site Highways Works, Part 2: Environm Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Pla

6/18/2021

DATE

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

Likely Significant Effects - Pre-mitigation

Mitigation / Reinstatement

No mitigation required.

DRAWING NUMBER RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW12

Baseline	Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Noise and Vibration	Noise and Vibration	Noise and Vibration
Farm	Likely significant effect from noise and vibration on the residents at a farm 50m from the highway improvement works, during construction and reinstatement.	Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.
Landscape and Visual	Landscape and Visual	Landscape and Visual
Farmhouse (T4A/17).	Likely significant effect to the residents (T4A/17) from visual impact during construction.	Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward and hedgerows.

RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

Noise and Vibration

Farm

Landscape and V

Redidential proper

	Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
on	Noise and Vibration	Noise and Vibration
	Likely significant effect from noise and vibration on the residents at a farm 10m from the highway improvement works, during construction and reinstatement.	Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.
isual	Landscape and Visual	Landscape and Visual
ty (T4A/17a).	Likely significant effect to the residents (T4A/17a) from visual impact during construction and operation.	Tree and shrub planting to replace any removed vegetation. Land reinstated to original pr and returned to agricultural use. Reinstatement of grass sward and hedgerows.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright escreed. Unauthorised production infringes copyright escreed. Unauthorised production infringes copyright and database rights 2020 Ordnance Survey 0100031673. Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data can be obtained from Historic/England corg.uk.® Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. England database right 2020. England database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyright and database right 2020. Contains OS data © Crown Copyr

2. Given the geographically broad nature of anticipated.
2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures of this topic. Effects on abdorculture are instead reports in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead con Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5. The findings of the terrestrial and aquatic ecological assessment are not add reported separately in Volume 5, Off-Site Highways Works, Part 2: Environmer Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning A

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation

No likely significant effects.

Mitigation / Reinstatement

No mitigation required.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from Historic England GIS Data contained on this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains Of an database right 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland org.uk.® Natural England Copyright. Contains Ordnance Survey 0100031673. Historic England database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a propriet and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a database right 2020. Contains Of a most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland corg.uk.® Natural England Copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains Of an a database right 2020. Contains Of an a database right 2020. Contains Of a data base right 2020. Contains Of a database right 2020. Contains Off and a database right 2020. Contains Off and a database right 2020. Contains Off an a database right 2020. Contains Off an a d

NEWTON-IN-BOWLAND AND MARL HILL **COMPOUNDS HIGHWAYS WORKS**

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this sort of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reported in Volume 5, OffSite Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section E.S.

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are insi reported separately in Volume 5, OIF-Ste Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application

Legend

Highways Works

Planning Application Boundary

------ Road Widening (RW)

Passing Place (PP)

Environmental Constraints

--- Footpath

Bowland Fringe and Pendle Hill National Character Area

Area of Outstanding Natural Beauty

Arboriculture Tree Point - RAG Impacts

Individual tree at risk of removal aiming to retain

 \bigcirc Individual tree to be retained with protection measures

Arboriculture Tree Group Canopies - RAG Impacts

Tree Group/Woodland/Hedgerow Feature to be Removed Tree Group/Woodland/Hedgerow Feature at Risk of Removal but Aiming to Retain

Tree Group/Woodland/Hedgerow Feature to be Retained with Protection Measures

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

Baseline

Noise and Vibration

Residential properties.

Landscape and Visual

Farm (T4A/20b).

Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Noise and Vibration	Noise and Vibration
Likely significant effect from noise and vibration on the residents 30m from the highway improvement works, during construction and reinstatement.	Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.
Landscape and Visual	Landscape and Visual
Likely significant effect to the residents of the farm (T4A/20b) from visual impact during construction.	Tree and shrub planting to replace any removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward and hedgerows.

Baseline

Noise and Vibration

Residential property and settlement of Waddington

Landscape and Visual

Residential property (T4A/21).

Likely Significant Effects - Pre-mitigation

Noise and Vibration

Likely significant effect from noise and vibration on the residents of Waddington 20m from the highway improvement works, during construction and reinstatement.

Landscape and Visual

Likely significant effect to the residents (T4A/21) from visual impact during construction.

Mitigation / Reinstatement Noise and Vibration

Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.

Landscape and Visual

Tree and shrub planting to replace any removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward.

1. The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where kkey significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures for those topics where likely significant effects are not anticipated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on aboricultural enskade apport in Volume 5, Off-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead cor Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not add reported separately in Volume 5, Off-Site Highways Works, Part 2: Environment Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Ap

Legend Highways Works Planning Application Boundary Passing Place (PP) Environmental Constraints Grade II Listed Building Viewpoint Location 6 --- Footpath Bowland Fringe and Pendle Hill National Character Area Area of Outstanding Natural Beauty Arboriculture Tree Point - RAG Impacts Individual tree to be retained with protection measures Arboriculture Tree Group Canopies - RAG Impacts Tree Group/Woodland/Hedgerow Feature to be Removed Tree Group/Woodland/Hedgerow Feature at Risk of Removal but Aiming to Retain Tree Group/Woodland/Hedgerow Feature to be Retained with Protection Measures Waddington Bro 01 KB LT SH PLANNING SUBMISSION 6/18/2021 VERSION AUTH CHKD REVD REASON FOR ISSUE DATE United Water for the North West UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME NEWTON AND MARL HILL HIGHWAYS WORKS -ENVIRONMENTAL ASSESSMENT FIGURES PAGE 23 OF 33 SHEET SIZE A3 REVISION 01 DRAWING NUMBER RVBC-BO-FIG-V5-P1-002

CONTEXT PLAN	HIGHWAYS WORKS AND ENVI	
		\sim
		\
		20
0 50 100 metres SCALE @ A3 1:2,000	SCALE @ A3 1:1,000	metres
	HIGHWAYS WORKS LOCATION: RW07	
Baseline	Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Noise and Vibration	Noise and Vibration	Noise and Vibration Implementation of CCoP for control of disruption during construction noise. In addition
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway	
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
Residential properties.	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.
	Likely significant effect from noise and vibration on the residents 60m from the highway improvement works, during construction and reinstatement.	screening of particularly noisy activities will be considered.

The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright and database rights 2020 Ordnance Survey 010031673. © Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contained from HistoricEngland.org.uk.© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Each actine do no 70/08/2020. The most publicly available up to date Historic England GIS Data contained from HistoricEngland.org.uk.© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Each actine do no 70/08/2020. The most publicly available up to date Historic England distand corg.uk.© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright and database right 2020. Contains OS data © Crown copyright

RVBC-BO-FIG-V5-P1-002

n the

<u>Baseline</u>

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

Likely Significant Effects - Pre-mitigation

No likely significant effects.

Mitigation / Reinstatement No mitigation required.

The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document, which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document, which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of this document wholly or in part, in any way whatsever: It may not be used by, or its contents divulged to any other person whatsever without the prior written permission of United Utilities Water Limited. The content of UNIDES and the prior written permission of United Utilities Water Limited production infinges copyright and database rights 2020 Contains Ordnance Survey (100031673. It has been sight 2020. Contains Ordnance Survey data © Crown copyright

NEWTON-IN-BOWLAND AND MARL HILL COMPOUNDS HIGHWAYS WORKS

The findings of the off-site highways works environmental topic appraisals are only reported on the individual pages of this set of figures for those topics where likely significant effects are considered likely to occur. As such, no text is included on the individual pages of this set of figures of those topics where likely significant effects are not antiopated.

2. Given the geographically broad nature of anticipated effects on arboricultural resources illustrated on this set of figures, no narrative text has been included in the reporting on the figures for this topic. Effects on arboriculture are instead reported in Volume 5, OFI-Site Highways Works, Part 1: Environmental Assessment (excluding Ecology) report of the Proposed Swarther Section ES.

3.Anticipated effects on wider community areas are not reported on this set of figures, but are instead considered in the Volume 5, Off-Site Highways Works, Part 1 report. 4.Given the geographically broad nature of anticipated effects on transport planning, this topic is not addressed on this set of figures, but is instead reported in the Volume 5, Off-Site Highways Works, Part 1 report.

5.The findings of the terrestrial and aquatic ecological assessment are not addressed on this set of figures, and are instear reported separately in Volume 5, 01F-SR Highways Works, Part 2: Environmental Assessment - Terrestrial and Aquatic Ecology report of the Proposed Swarther Section ES.

6.For further detail of the planning application boundary refer to Series 12 of the Planning Application D

01	KB	LT	SH	PLANNING SUBMISSION	6/18/2021			
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE			
	United Utilities Water for the North West							
	UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME NEWTON AND MARL HILL HIGHWAYS WORKS - ENVIROMENTAL ASSESSMENT FIGURES PAGE 25 OF 33							
	SHEET SIZE A3							
DRAWIN RVBC-E	G NUMBE 30-FIG-	ER V5-P1-0	02		REVISION 01			

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

Baseline

Noise and Vibration

Residential properties

Landscape and Visual

Community of Grindleton (T4A/25)

Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Noise and Vibration	Noise and Vibration
Likely significant effect from noise and vibration on the residents 10m from the highway improvement works, during construction and reinstatement.	Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.
Landscape and Visual	Landscape and Visual
Likely significant effect to the community of Grindleton (T4A/25) from visual impact during construction.	Tree and shrub planting to replace any removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward and masonry walls.

The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document, which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever than not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document, which it has been supplied and may not be reproduced, either wholly or in part, in any way whatsoever. It may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document under the person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document under the person whatsoever without the prior written permission of United Utilities Water Limited. Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019526. Crown copyright and database rights 2020 Ordnance Survey 0100031673. It historic England GIS Data can be obtained from Historic England GIS Data contained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland.org.uk.® Natural England Copyright and database right 2020. Contains OS data @ Crown copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @ Crown Copyright and database right 2020. Contains OS data @

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

Baseline

Public Access and Recreation

PRoW 3-21-FP 57

Noise and Vibration

Residential property and offices

Landscape and Visual

PRoW 3-21-FP 57 (T4A/26) and the community of Grindleton (T4A/25)

Public Access and Recreation

Likely Significant Effects - Pre-mitigation

Likely significant effect to users of PRoW 3-21-FP 57 due to its diversion.

Noise and Vibration

Likely significant effect to users of PRoW 3-21-FP 57 (T4A/26) and the community of Grindleton (T4A/25) from visual impact during construction.

Landscape and Visual

Likely significant effect from noise and vibration on the residents and office workers 60m from the highway improvement works, during construction and reinstatement.

Mitigation / Reinstatement

Public Access and Recreation

Where diversions are required, they would be for the shortest duration practicable, and reinstated on completion of the works. Implementation of mitigation measures as proposed in the CCoP.

Noise and Vibration

Implementation of CCoP for control of disruption during construction noise. In addition the screening of particularly noisy activities will be considered.

Landscape and Visual

Tree and shrub planting to replace aby removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of masonry walls and fences.

CONTEXT PLAN HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS E W-O T4A/26 S **T4A/26** 0 30 60 SCALE @ A3 1:1,000 SCALE @ A3 1:2,000 **HIGHWAYS WORKS LOCATION: RW03** Likely Significant Effects - Pre-mitigation **Baseline** Mitigation / Reinstatement Landscape and Visual Landscape and Visual Landscape and Visual Tree and shrub planting to replace removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward, masonry walls and fences. PRoW 3-11-FP 5 (T4A/28) and 3-21-FP 57 (T3H/26) Likely significant effect to users of PRoW 3-11-FP 5 (T4A/28) and 3-21-FP 57 (T3H/26) from visual impact during construction.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in may well whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part, in may well whatsoever, it may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Water Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Vater Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Vater Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Vater Limited. The content of this document may not be used by, or its contents divulged to any other person whatsoever without the prior written permission of United Utilities Vater Limited. The content on UNIX2020. The most publicity available up to date Historic England GIS Data can be obtained from HistoricEngland corp. wk.® Natural England Corp. Water Limited The content of this document may not be reproduced in th

HIGHWAYS WORKS AND ENVIRONMENTAL CONSTRAINTS

HIGHWAYS WORKS LOCATION: RW02

Baseline

Public Access and Recreation

PRoW 3-11-FP 5

Landscape and Visual

PRoW 3-11-FP 5 (T4A/28)

Likely Significant Effects - Pre-mitigation

Public Access and Recreation

Likely significant effect to users of PRoW 3-11-FP 5 due to its diversion.

Landscape and Visual

Likely significant effect to users of PRoW 3-11-FP 5 (T4A/28) from visual impact during construction.

Mitigation / Reinstatement

Public Access and Recreation

Where diversions are required, they would be for the shortest duration practicable, and reinstated on completion of the works. Implementation of mitigation measures as proposed in the CCoP.

Landscape and Visual

Tree and shrub planting to replace any removed vegetation. Land reinstated to original profiles and returned to agricultural use. Reinstatement of grass sward, masonry walls and fences.

L The copyright of this document, which contains information of a proprietary nature, is vested in United Utilities Water Limited. The content of this document, which is a been supplied and may not be reproduced, either wholly or in part, in any way whatseever. It may not be used by, or its contents divulged to any other person whatseever without the prior written permission of United Utilities Water Limited. The content of this document, which is a been supplied and may not be reproduced, either wholly or in part, in any way whatseever. It may not be used by, or its contents divulged to any other person whatseever without the prior written permission of United Utilities Water Limited. The content of this document unitinges copyright. Conver copyright and tatabase rights 2020 Ordnance Survey () 10003 1673. It Historic England GIS Data can be obtained from Historic England GIS Data contained in this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from Historic England Copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of database right 2020. Contains Of data @ Crown copyright and database right 2020. Contains Of d

RVBC-BO-FIG-V5-P1-002

HIGHWAYS WORKS LOCATION: RW01

Baseline	Likely Significant Effects - Pre-mitigation	Mitigation / Reinstatement
Noise and Vibration	Noise and Vibration	Noise and Vibration
Clitheroe community hospital.	Likely significant effect from noise and vibration on the users of Clitheroe community hospital 20m from the highway improvement works, during construction.	Implementation of CCoP for control of disruption during construction noise. In addition t screening of particularly noisy activities will be considered.
The convictor of this document, which contains information of a proprietary pature, is vested in United Utilities Water Limited. The content of this document	Int may not be used for purposes other than that for which it has been supplied and may not be reproduced, either wholly or in part in any way whatsney	er. It may not be used by or its contents divulged to any other person whatspever without the prior written permission of I bited Utilities We
Copyright Äcknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326 material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland.org.uk.® Esri, HERE, Garimi, (c) OpenStreetMap contributors, and the GIS user community.	. Crown copyright reserved. Unauthorised production infinges copyright. Crown copyright and database rights 2020 Ordnance Survey 0100031673. B Vatural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2020. Contains OS data © Crown Copyright and datab	fistoric England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020. The Historic England GIS Data contai ase right 2020

This reporting sheet shows baseline environmental features, designations and assets which have been considered in the environmental assessment process. Accounting for the topic reporting exclusions described in the 'Notes' section of this sheet (which are instead reported in the Volume 5, Off-Site Highways Works, Part 1 and Part 2 reports), none of these features, when screened against the predicted impacts associated with the proposed off-site highways works using the same methodology described in Volume 2, is anticipated to give rise to likely significant effects.

No likely significant effects.

No mitigation required.

Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crowin copyright reserved. Unauthorised production infringes copyright. Crowin copyright and database rights 2020 Ordnance Survey 0100031673. Historic England 2020. Contains Ordnance Survey data Crowin copyright and database rights 2020. Ordnance Survey 0100031673. Historic England GIS Data can be obtained from HistoricEngland. GIS Data can be obtained from HistoricEngland. corg.uk. Natural England copyright. Contains Ordnance Survey data Crowin copyright and database rights 2020. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community Contains Os data Community.

NEWTON-IN-BOWLAND AND MARL HILL

dingt Ider f	ion fill Sur	0	plow F	est Bradford iii Cross Hill Pimilco A571 Clitheroe	Bear				
01	KB	LT	SH	PLANNING SUBMISSION	6/18/2021				
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE				
United Utilities Water for the North West									
UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME NEWTON AND MARL HILL HIGHWAYS WORKS - ENVIRONMENTAL ASSESSMENT FIGURES PAGE 32 OF 33									
					SHEET SIZE				
					A3				
RVBC-E	RVBC-BO-FIG-V5-P1-002								

VV.

significant effects.

Copyright Acknowledgement: Use of Ordnance Survey map data sanctioned by the controller of H.M. Stationery Office. OS Licence Number 100019326. Crown copyright reserved. Unauthorised production infringes copyright. Crown copyright and database rights 2020 Ordnance Survey of 100031673. @ Historic England GIS Data contained in this material was obtained on 07/08/2020. The most publicly available up to date Historic England GIS Data can be obtained from HistoricEngland copyright. Contains Ordnance Survey data @ Crown copyright and database right 2020. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community Contains Of anace Survey data @ Crown copyright and database right 2020. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community Esri, HERE, Gammin, (c) Openative Material Bus Community.

NEWTON-IN-BOWLAND AND MARL HILL

iding Ider fr	ton	0		ill Pimico Later Clitheroe	Chatba		
01	KB	LT	SH	PLANNING SUBMISSION	6/18/2021		
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE		
		W	ater	United Utilities for the North West			
	ŀ	HAWES\ NEW El	UNITI VATER TON AI	ED UTILITIES WATER LIMITED AQUEDUCT RESILIENCE PROGRAMME ND MARL HILL HIGHWAYS WORKS - IMENTAL ASSESSMENT FIGURES PAGE 33 OF 33			
					SHEET SIZE A3		
DRAWIN RVBC-E	DRAWING NUMBER RVBC-BO-FIG-V5-P1-002						