

VIEWPOINT T4/02



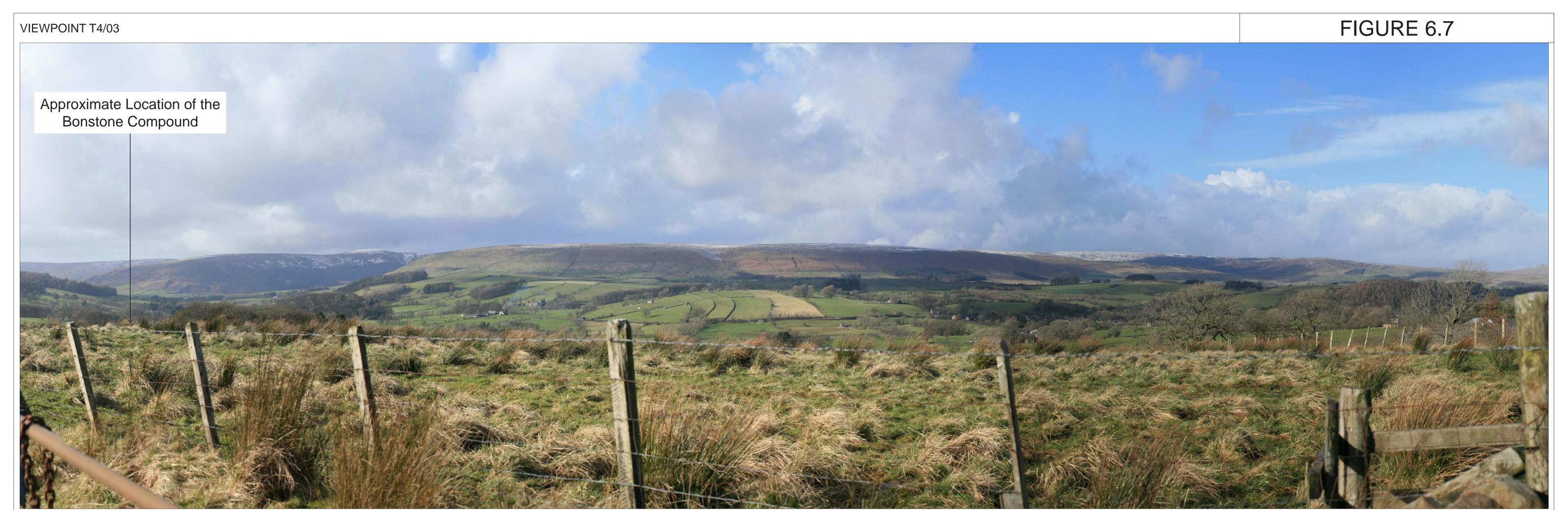
VISUALISATION DATA: VIEWPOINT T4/01 VISUALISATION DATA: VIEWPOINT T4/02 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/01 & VIEWPOINT T4/02 SHEET 1 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SEASON: Spring DATE & TIME: 14/05/2020, 11:50 SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 315° from N

SCALE
NTS (100% @ A1, 50% @ A3) SENSOR / LENS: FFS + Canon, 50mm SEASON: Winter NF DB Final Issue FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 270° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 26/02/2020, 14:10
PROJECTION: Cylindrical
SHEET SIZE: A1 Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007 REVISION SHEET SIZE PROJECTION: Cylindrical SHEET SIZE: A1 VERSION AUTH CHKD REVD REASON FOR ISSUE Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II



VIEWPOINT T4/04



VISUALISATION DATA: VIEWPOINT T4/03 VISUALISATION DATA: VIEWPOINT T4/04 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/03 & VIEWPOINT T4/04 SHEET 2 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 45° from N

SCALE
NTS (100% @ A1, 50% @ A3) SEASON: Winter SEASON: Winter SENSOR / LENS: FFS + Canon, 50mm NF DB Final Issue FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 315° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 26/02/2020, 16:14
PROJECTION: Cylindrical
SHEET SIZE: A1 Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007 SHEET SIZE REVISION DATE & TIME: 26/02/2020, 14:30 PROJECTION: Cylindrical SHEET SIZE: A1 VERSION AUTH CHKD REVD REASON FOR ISSUE Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length. CAMERA: Canon EOS 5D MARK II CAMERA: Canon EOS 5D MARK II





VISUALISATION DATA: VIEWPOINT T4/07

SENSOR / LENS: FFS + Canon, 50mm

Notes: To be viewed at comfortable arm's

DIRECTION OF VIEW: 185° from N

FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | SCALE

VISUALISATION TYPE: Type 1

CAMERA: Canon EOS 5D MARK II

ENLARGEMENT FACTOR: 96% @ A1 length.

PROJECTION: Cylindrical

SEASON: Spring

FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | DATE & TIME: 15/05/2020, 10:07

Notes: To be viewed at comfortable arm's | SHEET SIZE: A1

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

NTS (100% @ A1, 50% @ A3)

SHEET SIZE

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VIEWPOINT T4/06 & VIEWPOINT T4/07

SHEET 3 OF 13

REVISION

DRAWING NUMBER

Water for the North West RVBC-MH-FIG-006-007

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VISUALISATION DATA: VIEWPOINT T4/06

SENSOR / LENS: FFS + Canon, 50mm

DIRECTION OF VIEW: 210° from N

VISUALISATION TYPE: Type 1

PROJECTION: Cylindrical

DATE & TIME: 15/05/2020, 09:52

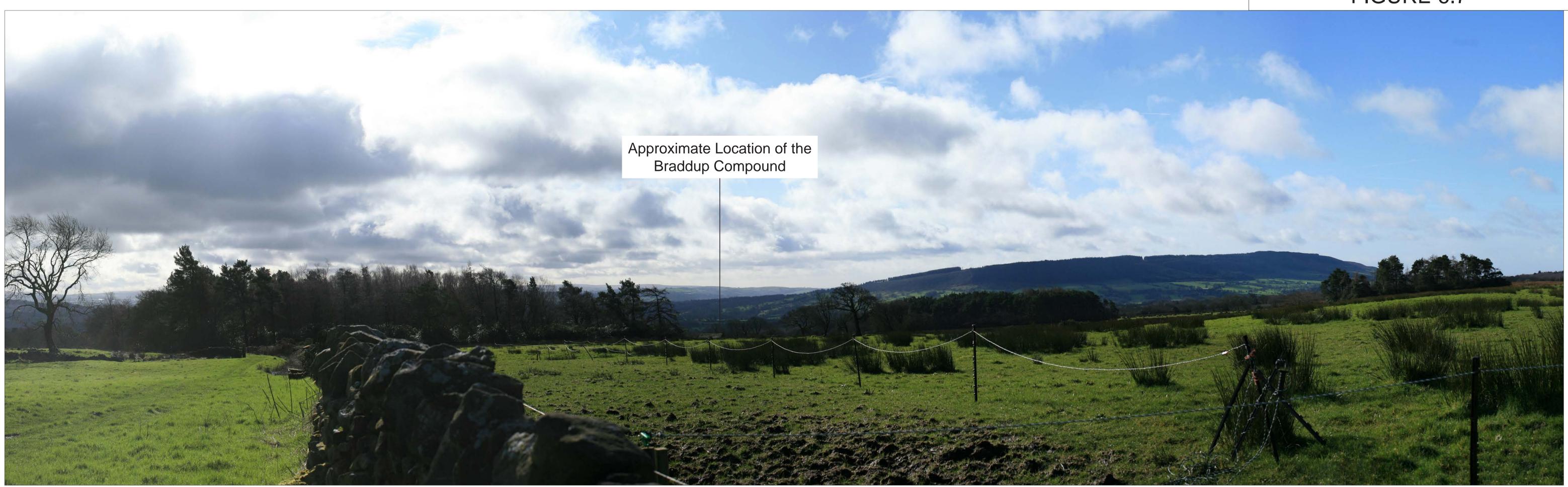
CAMERA: Canon EOS 5D MARK II

ENLARGEMENT FACTOR: 96% @ A1 length.

SEASON: Summer

SHEET SIZE: A1

| VERSION | AUTH | CHKD | REVD | REASON FOR ISSUE



VIEWPOINT T4/09



VISUALISATION DATA: VIEWPOINT T4/08 VISUALISATION DATA: VIEWPOINT T4/09 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/08 & VIEWPOINT T4/09 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SEASON: Winter SENSOR / LENS: FFS + Canon, 50mm SEASON: Winter SENSOR / LENS: FFS + Canon, 50mm NF DB Final Issue FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) DATE & TIME: 26/02/2020, 11:34 PROJECTION: Cylindrical FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | SCALE SHEET SIZE DRAWING NUMBER DATE & TIME: 26/02/2020, 11:47 Water for the North West | RVBC-MH-FIG-006-007 NTS (100% @ A1, 50% @ A3) DIRECTION OF VIEW: 160° from N VERSION AUTH CHKD REVD REASON FOR ISSUE PROJECTION: Cylindrical Notes: To be viewed at comfortable arm's SHEET SIZE: A1 SHEET SIZE: A1 Notes: To be viewed at comfortable arm's ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II

CAMERA: Canon EOS 5D MARK II

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SHEET 4 OF 13



VIEWPOINT T4/11



VISUALISATION DATA: VIEWPOINT T4/10 VISUALISATION DATA: VIEWPOINT T4/11 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/10 & VIEWPOINT T4/11 SHEET 5 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 130° from N
Notes: To be viewed at comfortable arm's

VICONTION TO LE 17,50 TO LE 17, SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 120° from N

SCALE
NTS (100% @ A1, 50% @ A3) SEASON: Spring DATE & TIME: 22/05/2020, 11:58 DB Final Issue Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007 REVISION SHEET SIZE PROJECTION: Cylindrical SHEET SIZE: A1 VERSION AUTH CHKD REVD REASON FOR ISSUE Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II

FIGURE 6.7



## VIEWPOINT T4/13



VISUALISATION DATA: VIEWPOINT T4/12 VISUALISATION DATA: VIEWPOINT T4/13 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/12 & VIEWPOINT T4/13 SHEET 6 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 250° from N

SCALE
NTS (10 SEASON: Spring SENSOR / LENS: FFS + Canon, 50mm SEASON: Winter FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 260° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 26/02/2020, 13:10
PROJECTION: Cylindrical
SHEET SIZE: A1 Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007 REVISION SHEET SIZE DATE & TIME: 22/05/2020, 12:36 NTS (100% @ A1, 50% @ A3) PROJECTION: Cylindrical VERSION AUTH CHKD REVD REASON FOR ISSUE SHEET SIZE: A1 Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length. CAMERA: Canon EOS 5D MARK II CAMERA: Canon EOS 5D MARK II







VISUALISATION DATA: VIEWPOINT T4/15 VISUALISATION DATA: VIEWPOINT T4/14 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T4/14 & VIEWPOINT T4/15 SHEET 7 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SENSOR / LENS: FFS + Canon, 50mm SEASON: Spring SEASON: Winter SENSOR / LENS: FFS + Canon, 50mm DB Final Issue FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 315° from N

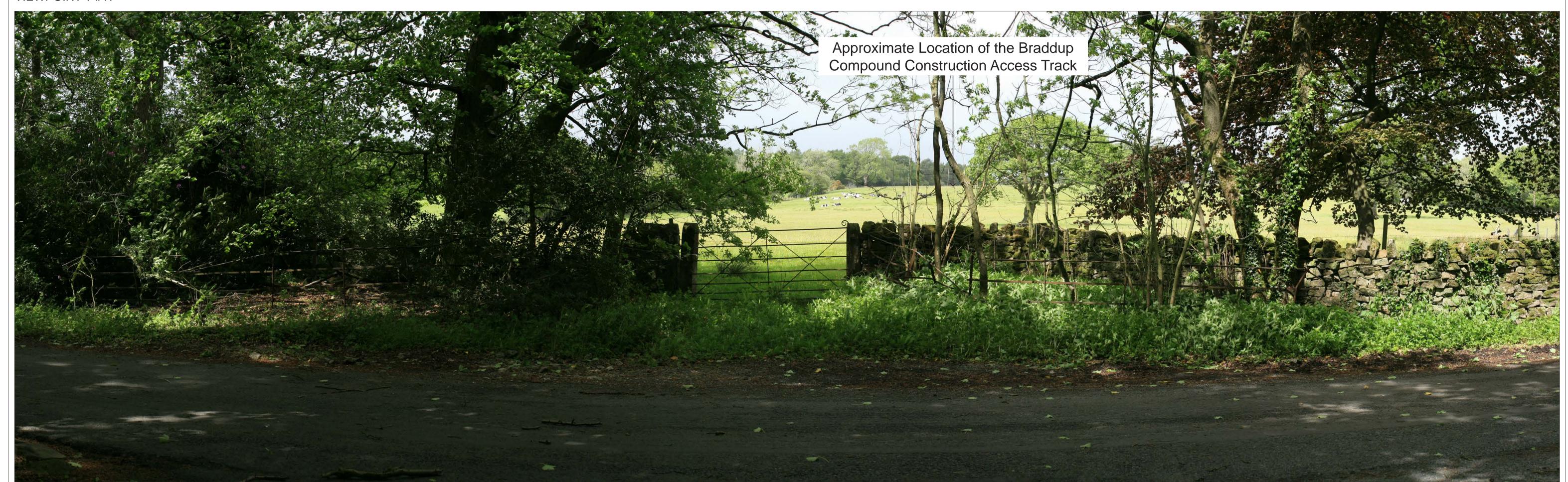
DATE & TIME: 22/05/2020, 13:40
PROJECTION: Cylindrical SHEET SIZE DRAWING NUMBER REVISION FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | SCALE DATE & TIME: 26/02/2020, 13:00 DIRECTION OF VIEW: 280° from N NTS (100% @ A1, 50% @ A3) Water for the North West RVBC-MH-FIG-006-007 VERSION AUTH CHKD REVD REASON FOR ISSUE PROJECTION: Cylindrical SHEET SIZE: A1 Notes: To be viewed at comfortable arm's | SHEET SIZE: A1 Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II









NF DB Final Issue VERSION AUTH CHKD REVD REASON FOR ISSUE VISUALISATION DATA: VIEWPOINT T4/16

VISUALISATION TYPE: Type 1

DATE & TIME: 22/05/2020, 13:34

CAMERA: Canon EOS 5D MARK II

ENLARGEMENT FACTOR: 96% @ A1 length.

PROJECTION: Cylindrical

SEASON: Spring

SHEET SIZE: A1

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) DATE & TIME: 22/05/2020, 13:52 DIRECTION OF VIEW: 310° from N Notes: To be viewed at comfortable arm's | SHEET SIZE: A1

VISUALISATION DATA: VIEWPOINT T4/17 VISUALISATION TYPE: Type 1 SEASON: Spring PROJECTION: Cylindrical

CAMERA: Canon EOS 5D MARK II

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | SCALE DIRECTION OF VIEW: 350° from N Notes: To be viewed at comfortable arm's ENLARGEMENT FACTOR: 96% @ A1 length.

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

NTS (100% @ A1, 50% @ A3)

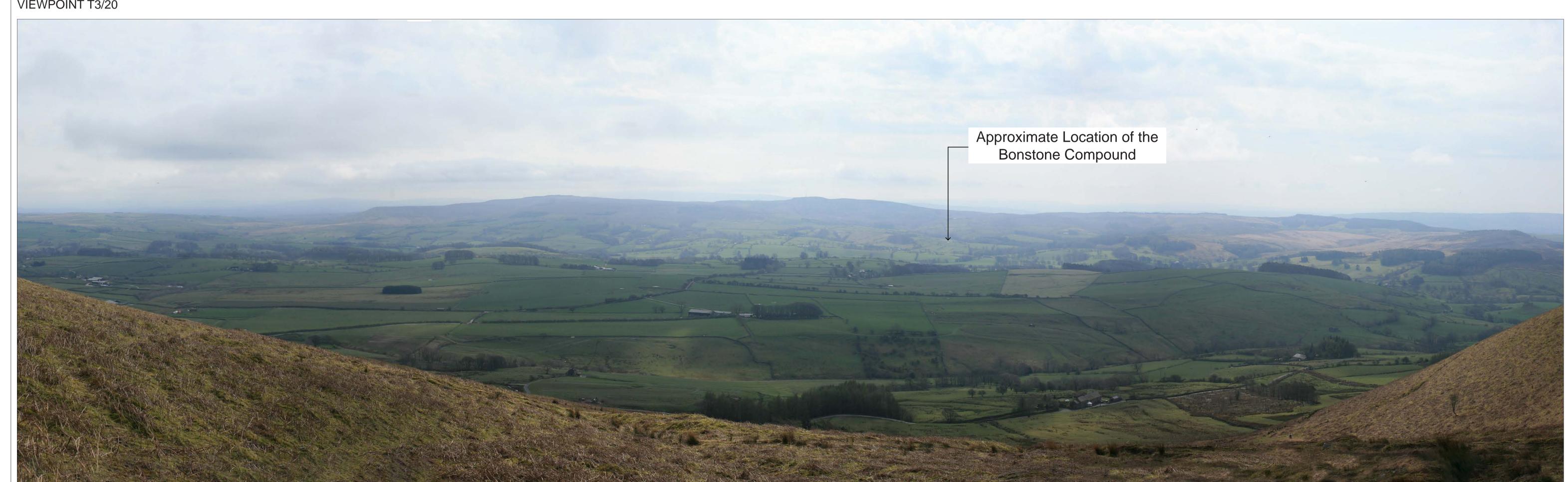


SHEET SIZE

VIEWPOINT T4/16 & VIEWPOINT T4/17 SHEET 8 OF 13

DRAWING NUMBER Water for the North West | RVBC-MH-FIG-006-007





VISUALISATION DATA: VIEWPOINT T3/20

SENSOR / LENS: FFS + Canon, 50mm

Notes: To be viewed at comfortable arm's

DIRECTION OF VIEW: 140° from N

FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) | SCALE

VISUALISATION TYPE: Type 1

CAMERA: Canon EOS 5D MARK II

ENLARGEMENT FACTOR: 96% @ A1 length.

SEASON: Spring

FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 70° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 09/04/2020, 11:55
PROJECTION: Cylindrical
SHEET SIZE: A1

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

NTS (100% @ A1, 50% @ A3)

SHEET SIZE

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VIEWPOINT T4/20 & VIEWPOINT T3/20

SHEET 9 OF 13

REVISION

DRAWING NUMBER

Water for the North West RVBC-MH-FIG-006-007

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VISUALISATION DATA: VIEWPOINT T4/20

SENSOR / LENS: FFS + Canon, 50mm

VISUALISATION TYPE: Type 1

PROJECTION: Cylindrical

DATE & TIME: 22/05/2020, 11:45

CAMERA: Canon EOS 5D MARK II

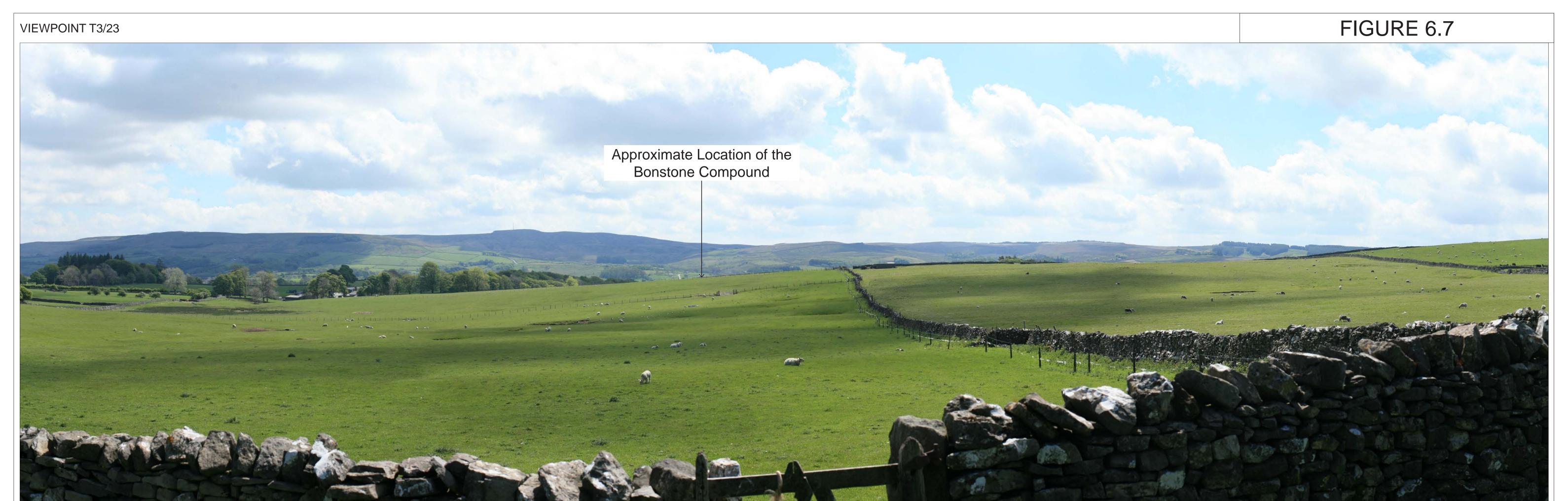
ENLARGEMENT FACTOR: 96% @ A1 length.

SEASON: Spring

SHEET SIZE: A1

NF DB Final Issue

VERSION AUTH CHKD REVD REASON FOR ISSUE







VISUALISATION DATA: VIEWPOINT T3/24 VISUALISATION DATA: VIEWPOINT T3/23 UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME VIEWPOINT T3/23 & VIEWPOINT T3/24 SHEET 10 OF 13 VISUALISATION TYPE: Type 1 VISUALISATION TYPE: Type 1 SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 175° from N

SCALE
NTS (10 SEASON: Spring SEASON: Spring SENSOR / LENS: FFS + Canon, 50mm DB Final Issue FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 130° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 14/05/2020, 15:02
PROJECTION: Cylindrical
SHEET SIZE: A1 Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007 REVISION SHEET SIZE DATE & TIME: 21/05/2020, 12:29 NTS (100% @ A1, 50% @ A3) PROJECTION: Cylindrical | VERSION | AUTH | CHKD | REVD | REASON FOR ISSUE SHEET SIZE: A1 Notes: To be viewed at comfortable arm's 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. ENLARGEMENT FACTOR: 96% @ A1 length. ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II



VIEWPOINT T3/30/SE



NF DB Final Issue | VERSION | AUTH | CHKD | REVD | REASON FOR ISSUE

VISUALISATION DATA: VIEWPOINT T3/28 VISUALISATION TYPE: Type 1

SEASON: Spring DATE & TIME: 26/02/2020 15:35

CAMERA: Canon EOS 5D MARK II

PROJECTION: Cylindrical SHEET SIZE: A1

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 180° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 07/05/20, 15:16
PROJECTION: Cylindrical
SHEET SIZE: A1 ENLARGEMENT FACTOR: 96% @ A1 length.

VISUALISATION TYPE: Type 1 SEASON: Spring

CAMERA: Canon EOS 5D MARK II

VISUALISATION DATA: VIEWPOINT T3/30/SE

SENSOR / LENS: FFS + Canon, 50mm
FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 135° from N

SCALE
NTS (10 Notes: To be viewed at comfortable arm's ENLARGEMENT FACTOR: 96% @ A1 length.

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

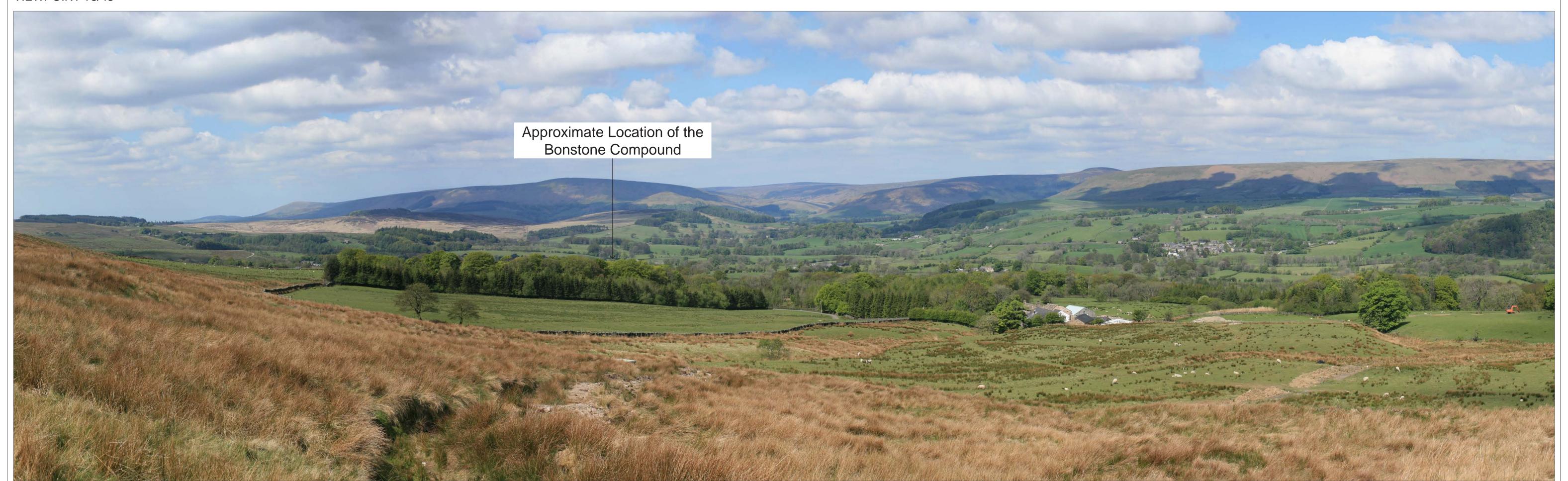
SHEET SIZE NTS (100% @ A1, 50% @ A3)



VIEWPOINT T3/28 & VIEWPOINT T3/30/SE SHEET 11 OF 13







VERSION AUTH CHKD REVD REASON FOR ISSUE

VISUALISATION DATA: VIEWPOINT T3/40 VISUALISATION TYPE: Type 1 SEASON: Spring DATE & TIME: 14/05/2020, 14:07

PROJECTION: Cylindrical

CAMERA: Canon EOS 5D MARK II

SHEET SIZE: A1

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV)
DIRECTION OF VIEW: 265° from N
Notes: To be viewed at comfortable arm's

DATE & TIME: 14/05/2020, 11:02
PROJECTION: Cylindrical
SHEET SIZE: A1 ENLARGEMENT FACTOR: 96% @ A1 length.

VISUALISATION DATA: VIEWPOINT T3/43 VISUALISATION TYPE: Type 1 SEASON: Spring

CAMERA: Canon EOS 5D MARK II

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) SCALE DIRECTION OF VIEW: 280° from N NTS (10 Notes: To be viewed at comfortable arm's ENLARGEMENT FACTOR: 96% @ A1 length.

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

SHEET SIZE NTS (100% @ A1, 50% @ A3)

Water for the North West RVBC-MH-FIG-006-007

VIEWPOINT T3/40 & VIEWPOINT T3/43 SHEET 12 OF 13

DRAWING NUMBER



0	JE	NF	DB	Final Issue	June 2021
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE

VISUALISATION DATA: VIEWPOINT T3/44 VISUALISATION TYPE: Type 1 SEASON: Spring DATE & TIME: 14/05/2020, 10:44 PROJECTION: Cylindrical SHEET SIZE: A1 ENLARGEMENT FACTOR: 96% @ A1 length.

CAMERA: Canon EOS 5D MARK II

SENSOR / LENS: FFS + Canon, 50mm FIELD OF VIEW: 90°(HFoV) x 27°(VFoV) DIRECTION OF VIEW: 300° from N Notes: To be viewed at comfortable arm's

UNITED UTILITIES WATER LIMITED HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

NTS (100% @ A1, 50% @ A3)

SHEET SIZE

VIEWPOINT T3/44 SHEET 13 OF 13

Water for the North West

DRAWING NUMBER
RVBC-MH-FIG-006-007