



Dynamic Rivers
(Survey and
Design) Ltd



**Warwickshire
Wildlife Trust**

Brandon Marsh
Nature Centre,
Brandon Lane,
Coventry,
CV3 3GW

REVISION	DATE
1	04/01

LEGEND:

- Deep pond
- Slopes
- Spoil Locations
- Inset floodplain
- Embankment removal
- Channel widening
- Riffle
- Scrape
- Wetland
- Pond

NOTES:

ALL LEVELS ARE GIVEN IN m A.O.D. (METRES ABOVE ORDNANCE DATUM) AND DEPTH CUTS ARE GIVEN IN m (METRES). CHAINAGE MEASUREMENTS ARE IN METRES. ALL ARISING TO BE STOCKPILED FOR DISPOSAL OFF SITE OR LOCAL SPREADING OUTSIDE OF THE FLOODPLAIN

REFER TO FEATURE BOUNDARY COORDINATES DR-2023-0202-Lake_View_Coordinates" FOR EXACT INDIVIDUAL FEATURE SHAPES

ALL TEMPORARY WORKS INCLUDING SHORING ARE TO CONTRACTORS DESIGN

DO NOT SCALE FROM THIS DRAWING

ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH BUILDING REGS AND GOOD BUILDING PRACTICE

PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
OVERVIEW

AUTHORS:

Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
AT A1

SHEET:

1



Dynamic Rivers cannot ensure completeness of the services search undertaken. The contractor should review the services search drawing prior to construction and for potential access routes as some may be crossed to deliver the works. The client and/or contractor should undertake another services search prior to the works.

Dynamic Rivers accept no liability of any kind for the accuracy, currency or completeness of the information provided on this plan. This plan is a compiled cartographical representation of information received from numerous mapping sources of varying scales, quality and resolutions. The source utility companies do not guarantee the correctness of the data provided.

Only use this plan in conjunction with the compiled responses which include further detail, legends, notes and warnings. It is critical that the location of any utility services and apparatus is confirmed on site prior to any excavation work.

Contractor to undertake C.A.T4/ Radio-detection scanning prior to excavation works

Service search undertaken in 2022, contractors should undertake additional services search.



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LEGEND:

- Deep pond
- Slopes
- Spoil Locations
- Inset floodplain
- Embankment removal
- Channel widening
- Riffle
- Scrape
- Wetland
- Pond
- Openreach
- 11 kV Electric
- LV Electric
- Surface waste water
- Gas - Cadent
- Waste water

NOTES:

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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
SERVICES MAP

AUTHORS:

Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
AT A1

SHEET:

2



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LEGEND:

- Deep pond
- Slopes
- Spoil Locations
- Inset floodplain
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- Riffle
- Scrape
- Wetland
- Pond

- Infill levels
- Excavation levels
- Depth cuts

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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
LEVELS MAP

AUTHORS:

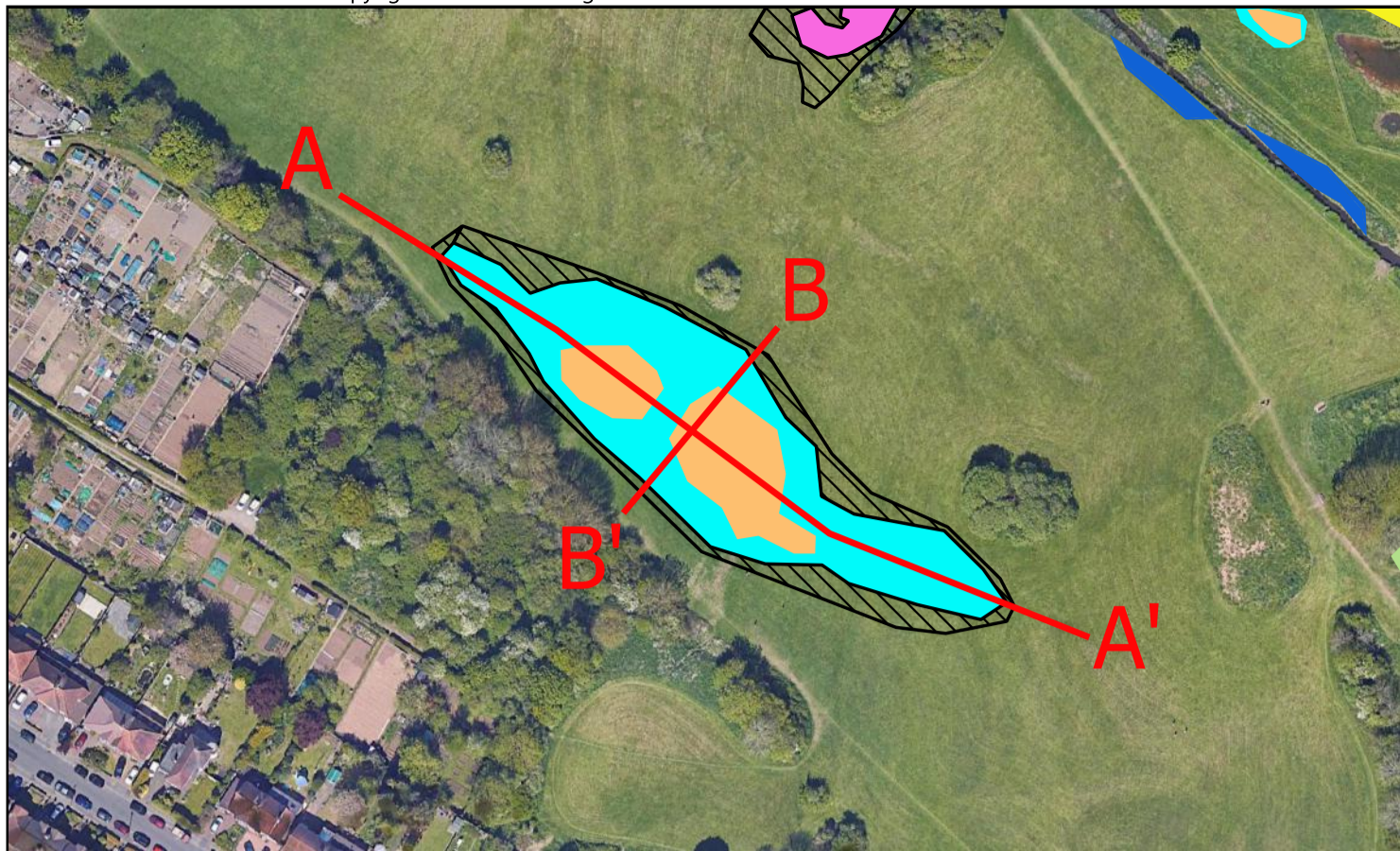
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
AT A1

SHEET:

3



POND SPECIFICATION TABLE

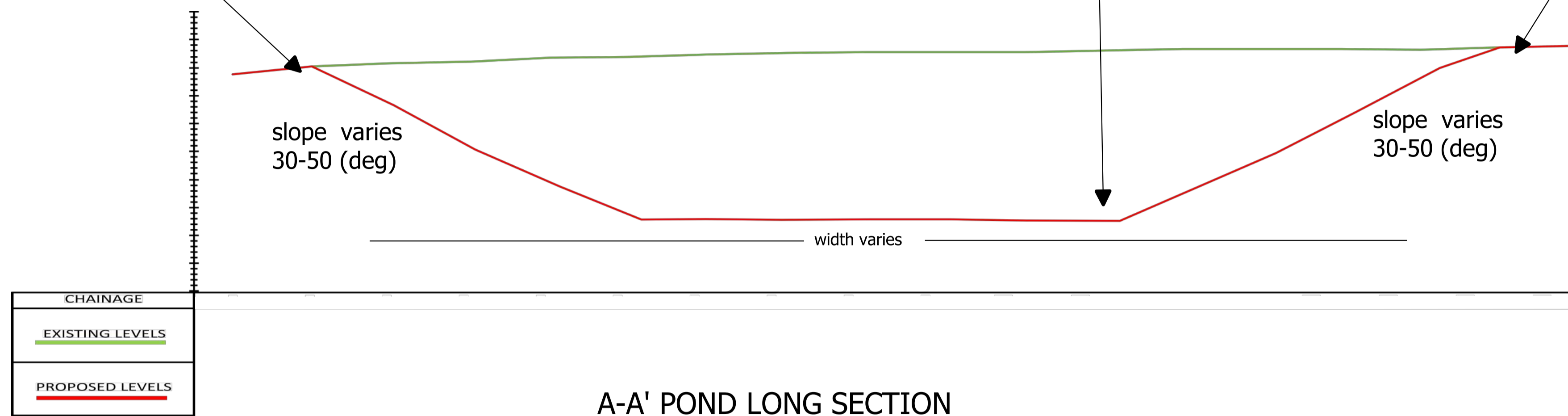
FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT DEPTH (m)	FEATURE SHELF CUT DEPTH (m)
1	431360.030,279546.128	26.3	14.2	0.9- 1.1	0.4-0.5
2	431427.142,279525.156	31.2	27.8	0.9- 1.1	0.4-0.5
3	431410.830,279366.930	162.3	35.8	0.9- 1.1	0.4-0.5
4	431607.505,279426.585	16.2	10.1	0.9- 1.1	0.4-0.5



GRADE SLOPES TO EXISTING FLOODPLAIN LEVEL OR CONNECTING FEATURE (REFER TO FEATURE TABLE)

EXCAVATE BY DEPTH PROPOSED IN FEATURE TABLE TO CREATE POND. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPES

GRADE SLOPES TO EXISTING FLOODPLAIN OR CONNECTING FEATURE LEVEL (REFER TO FEATURE TABLE)



A-A' POND LONG SECTION

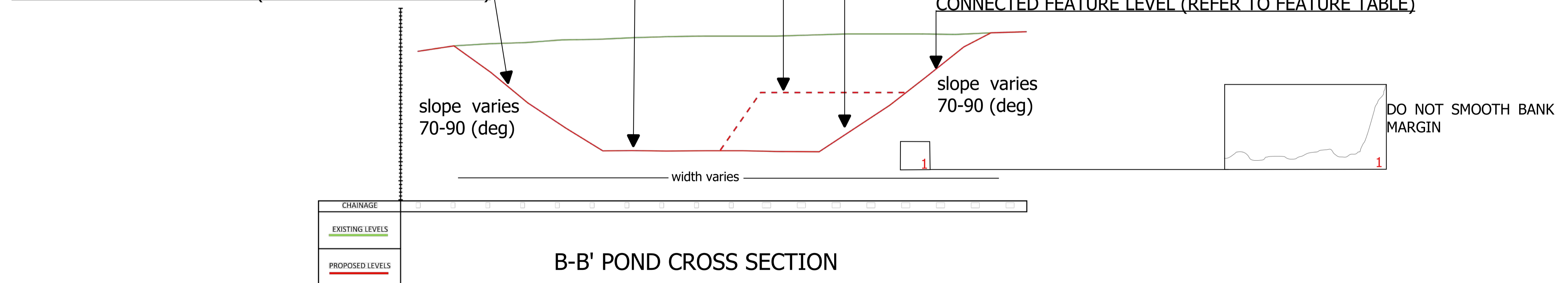
EXCAVATE BY DEPTH PROPOSED IN FEATURE TABLE TO CREATE POND. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPES

WHERE APPLICABLE EXCAVATE TO CUT DEPTH PROPOSED IN FEATURE TABLE TO CREATE POND SHELF

SHELF MARGINS TO BE MARKED OUT BY ON SITE GEOMORPHOLOGIST

GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)

GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)



B-B' POND CROSS SECTION



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REFER TO FEATURE BOUNDARY COORDINATES DR-2023-0202-Lake_View_Coordinates" FOR EXACT INDIVIDUAL FEATURE SHAPES

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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
POND SECTIONS

AUTHORS:

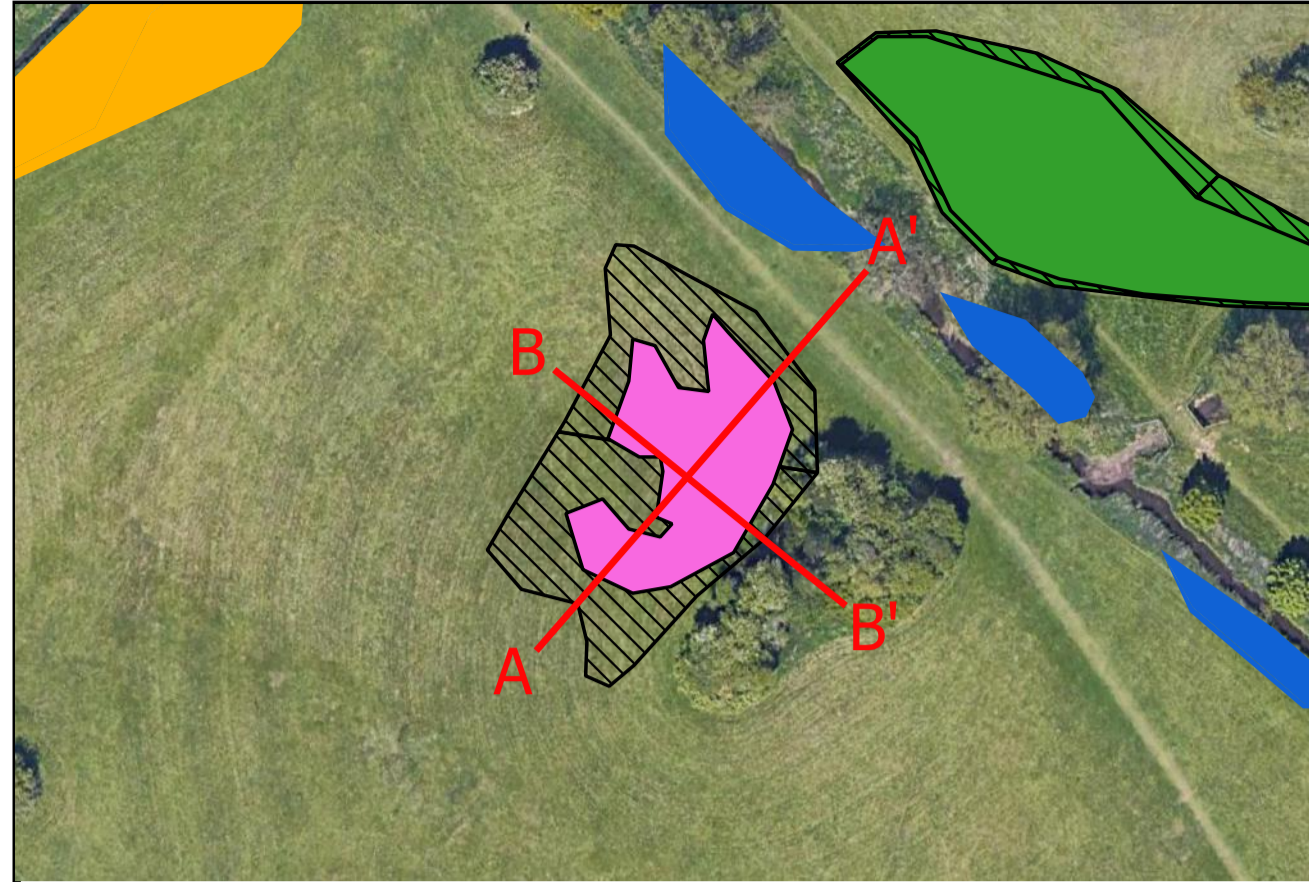
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

SHEET:

4

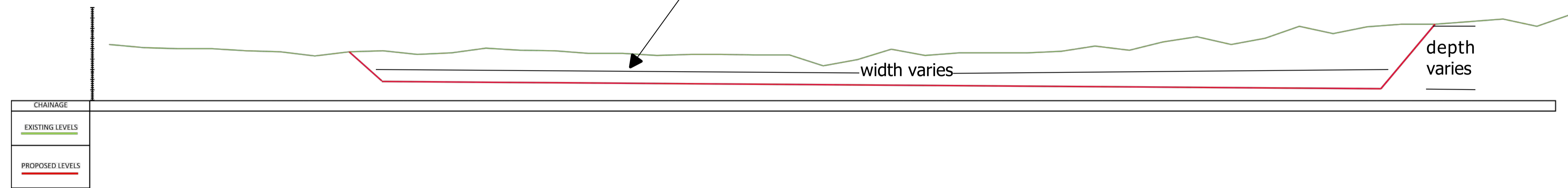


SCRAPE SPECIFICATIONS TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT DEPTH (m)
1	431398.363,279555.449	18.7	7.1	0.3-0.5
2	431495.768,279439.169	44.9	30.2	0.4-0.6
3	431664.480,279374.853	21.1	12.3	0.3-0.5

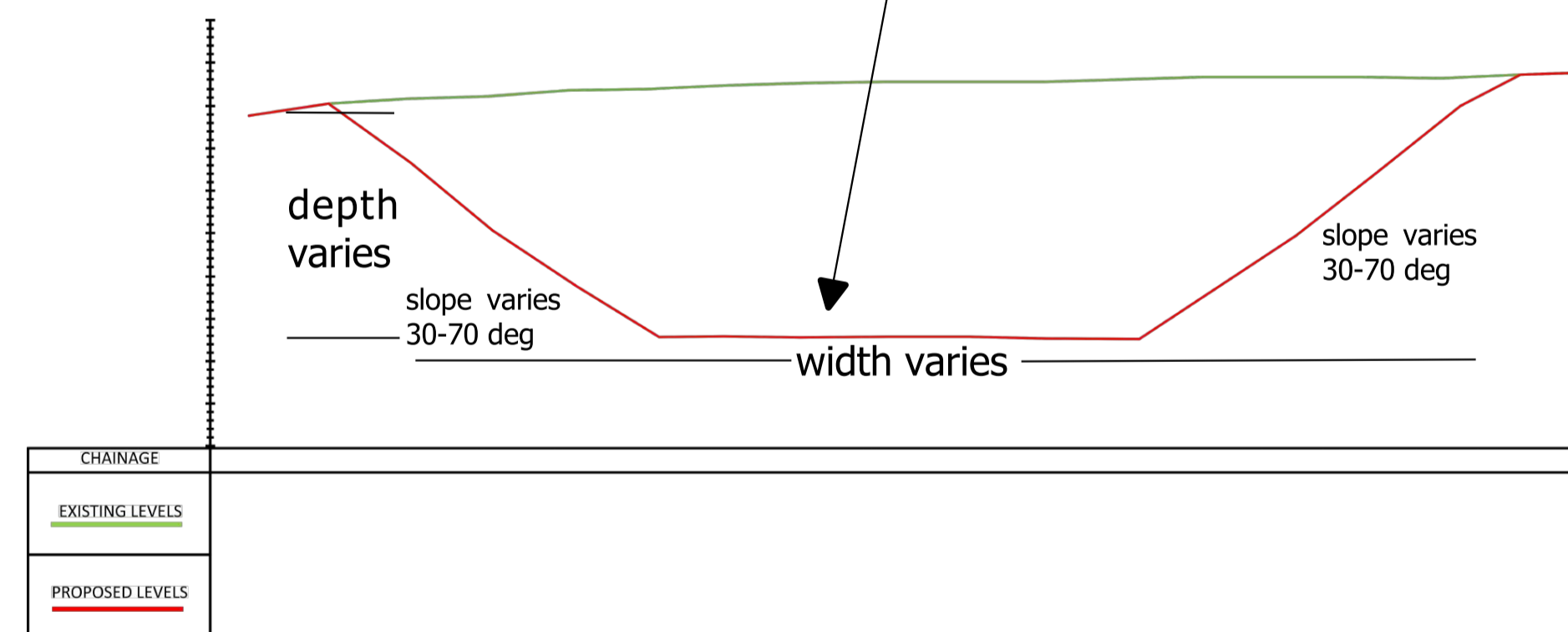


EXCAVATE BY DEPTH PROPOSED IN FEATURE SPECIFICATION TABLE TO CREATE SCRAPE. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPE



A-A' SCRAPE LONG SECTION

EXCAVATE BY DEPTH PROPOSED IN FEATURE SPECIFICATION TABLE TO CREATE SCRAPE. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPE



B-B' SCRAPE CROSS SECTION



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PROJECT TITLE:
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PROJECT NUMBER:
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SHEET TITLE:
SCRAPE SECTIONS

AUTHORS:

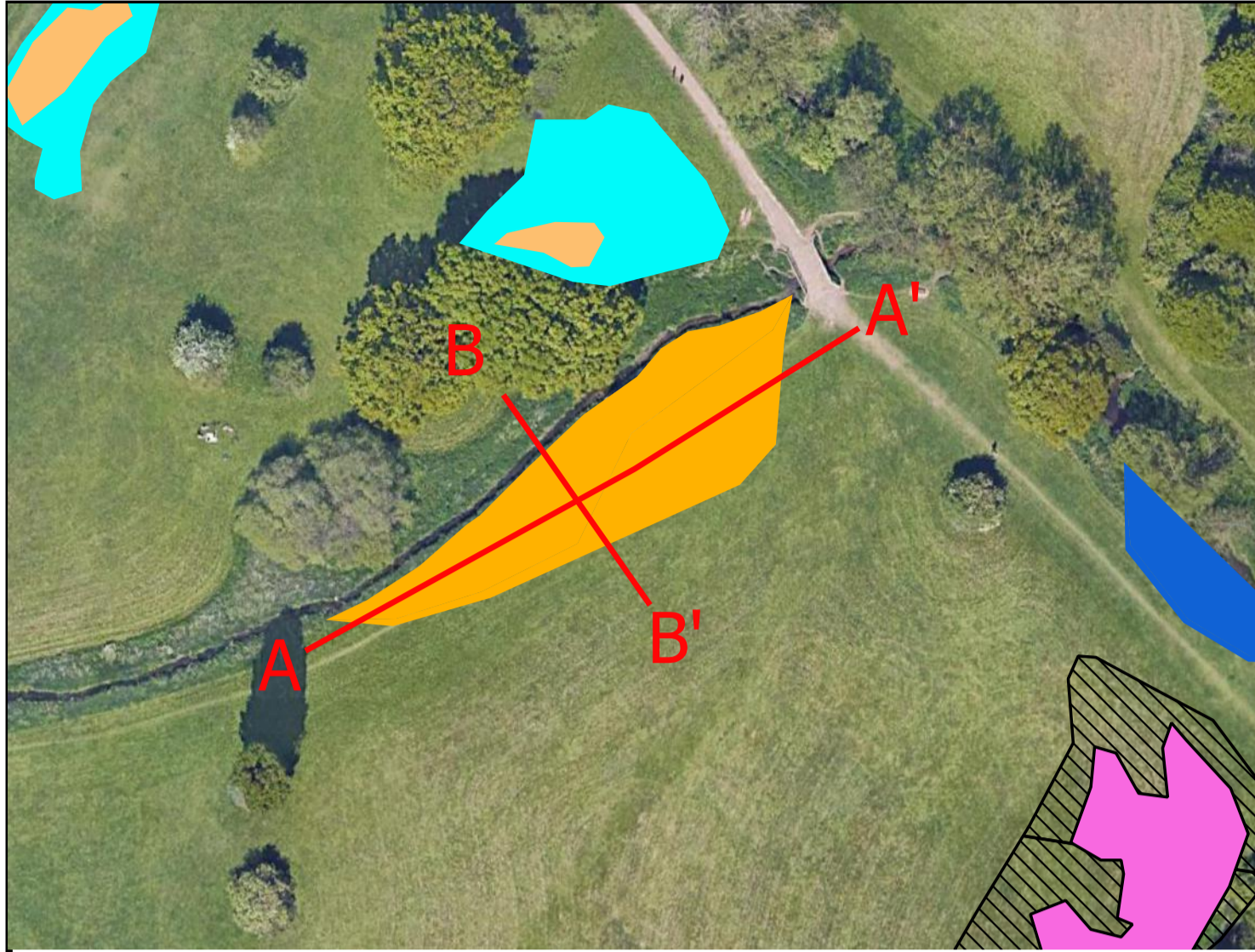
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

SHEET:

5

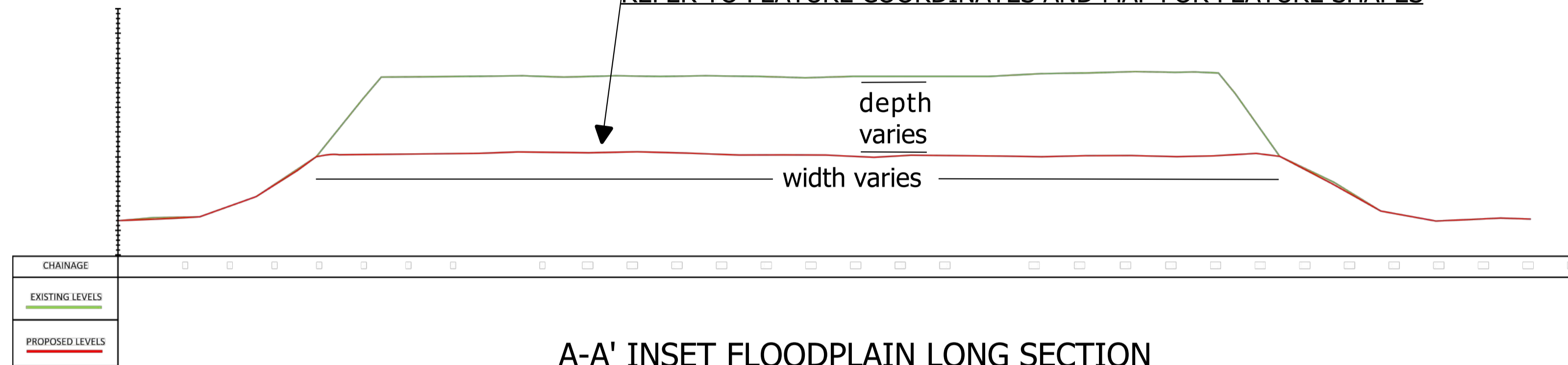


INSET FLOODPLAIN SPECIFICATION TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT LEVEL (m)
1	431407.185, 279466.982	77.7	19.2	84.5

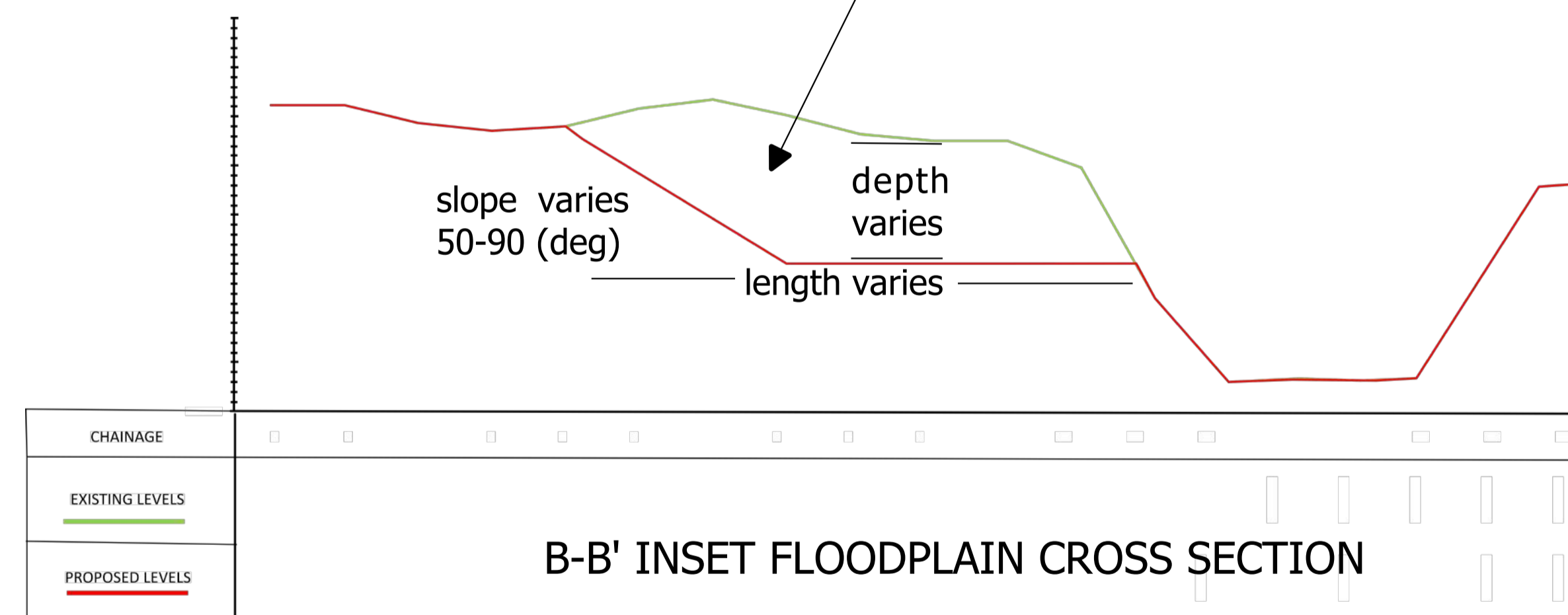


EXCAVATE TO LEVELS PROPOSED IN FEATURE TABLE TO CREATE INSET FLOODPLAIN. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPES



A-A' INSET FLOODPLAIN LONG SECTION

EXCAVATE TO LEVELS PROPOSED IN FEATURE TABLE TO CREATE INSET FLOODPLAIN. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPES



B-B' INSET FLOODPLAIN CROSS SECTION



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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
INSET FLOODPLAIN SECTIONS

AUTHORS:

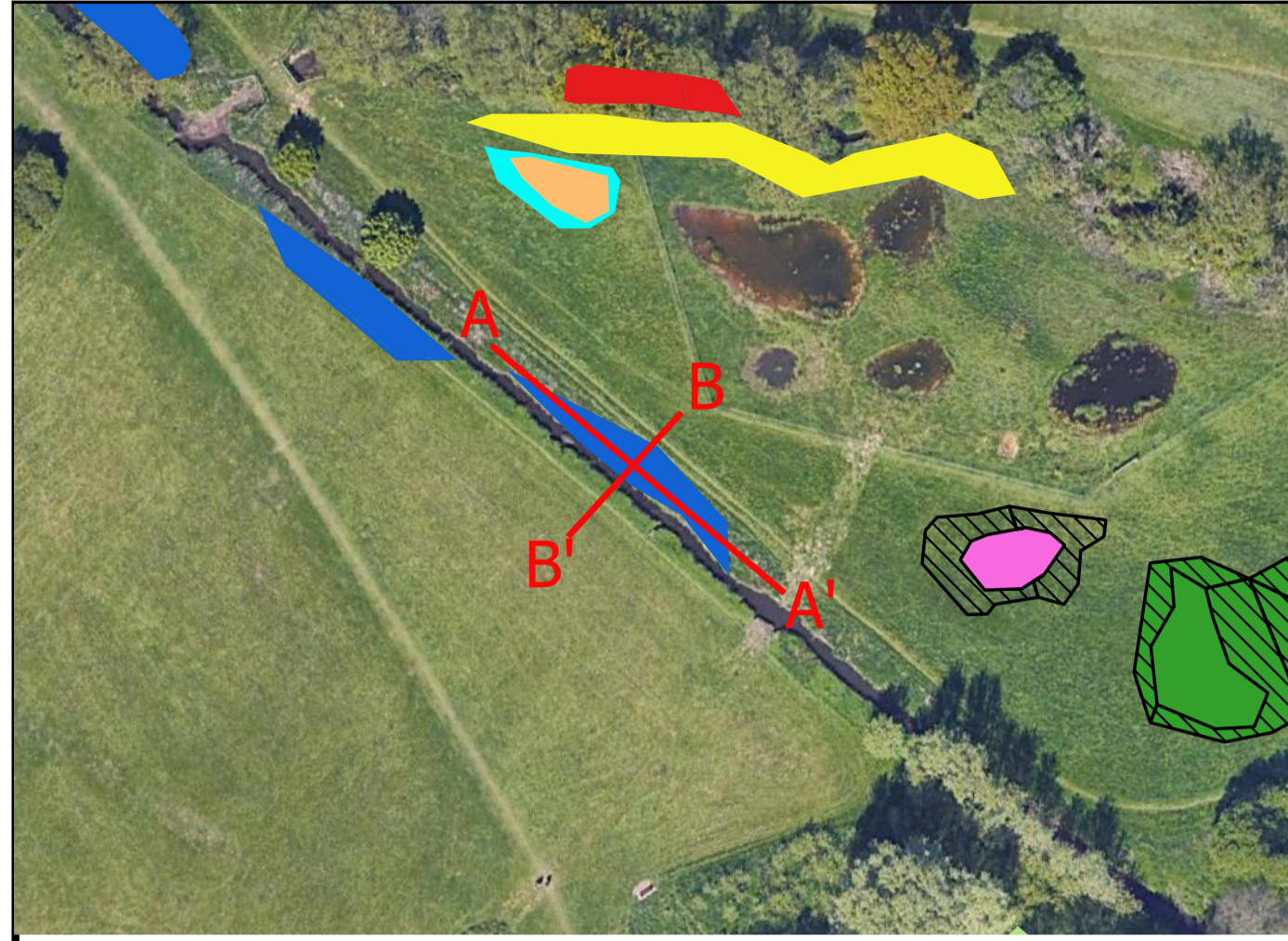
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

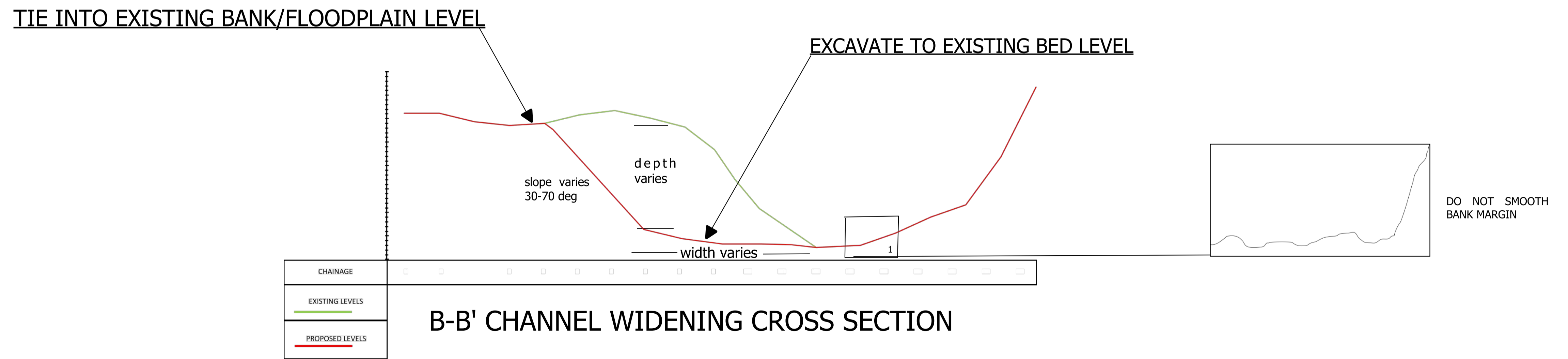
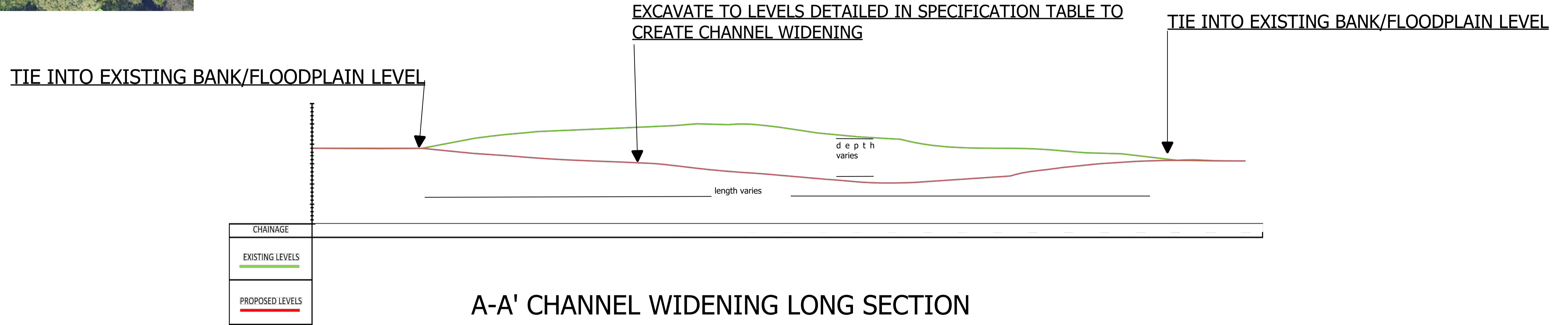
SHEET:

6



CHANNEL WIDENING SPECIFICATION TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT LEVEL (m AOD)
1	431508.672,279485.075	35.9	9.6	83.9
2	431546.889,279451.985	25.1	9.9	83.7
3	431575.784,279417.264	33.9	4.3	83.7
4	431612.137,279395.126	38.6	5.6	83.6



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LEGEND:

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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
CHANNEL WIDENING SECTIONS

AUTHORS:

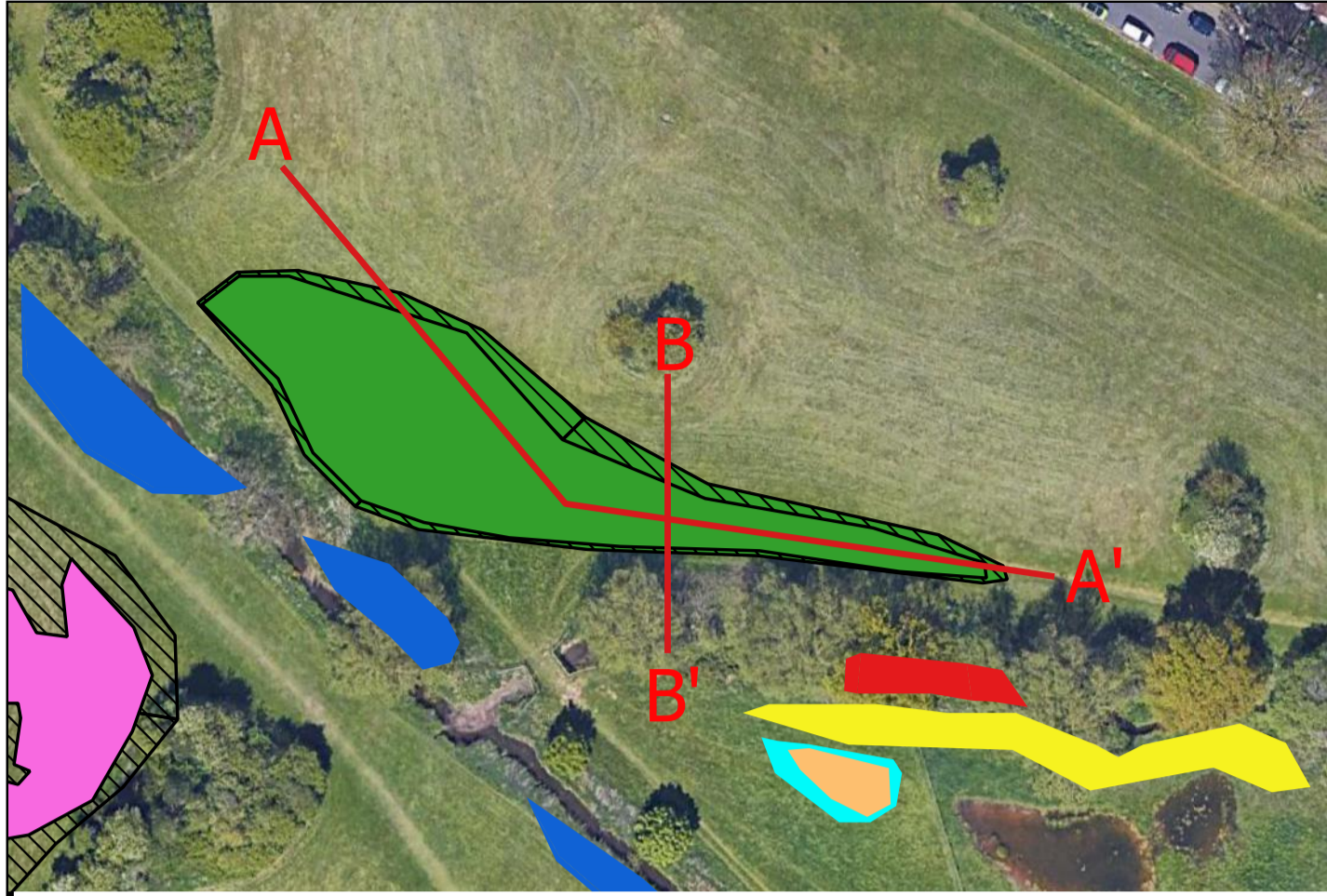
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

SHEET:

7



WETLAND SPECIFICATION TABLE

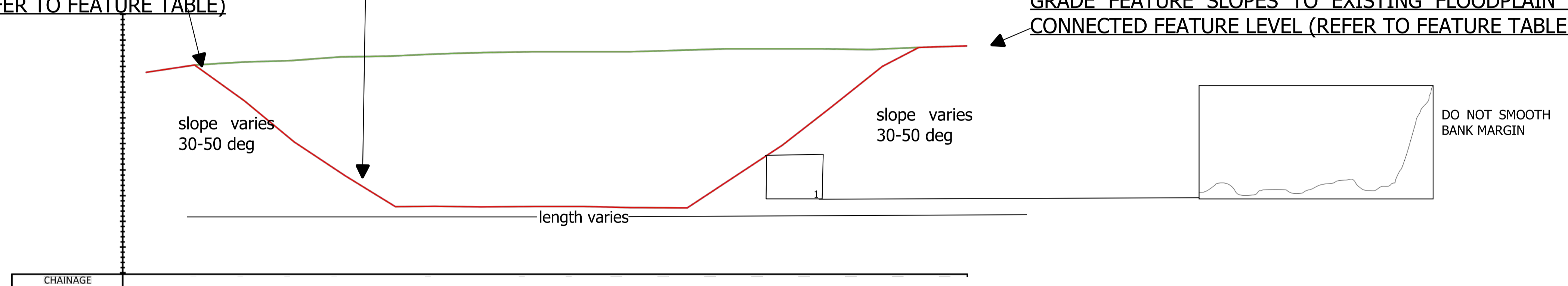
FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT DEPTH (m)
1	431533.868,279483.910	102.3	16.4	0.5 - 0.7
2	431694.191,279369.260	38.5	20.5	0.5 - 0.7



GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)

EXCAVATE BY DEPTH PROPOSED IN SPECIFICATION TABLE TO CREATE WETLAND. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPE

GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)

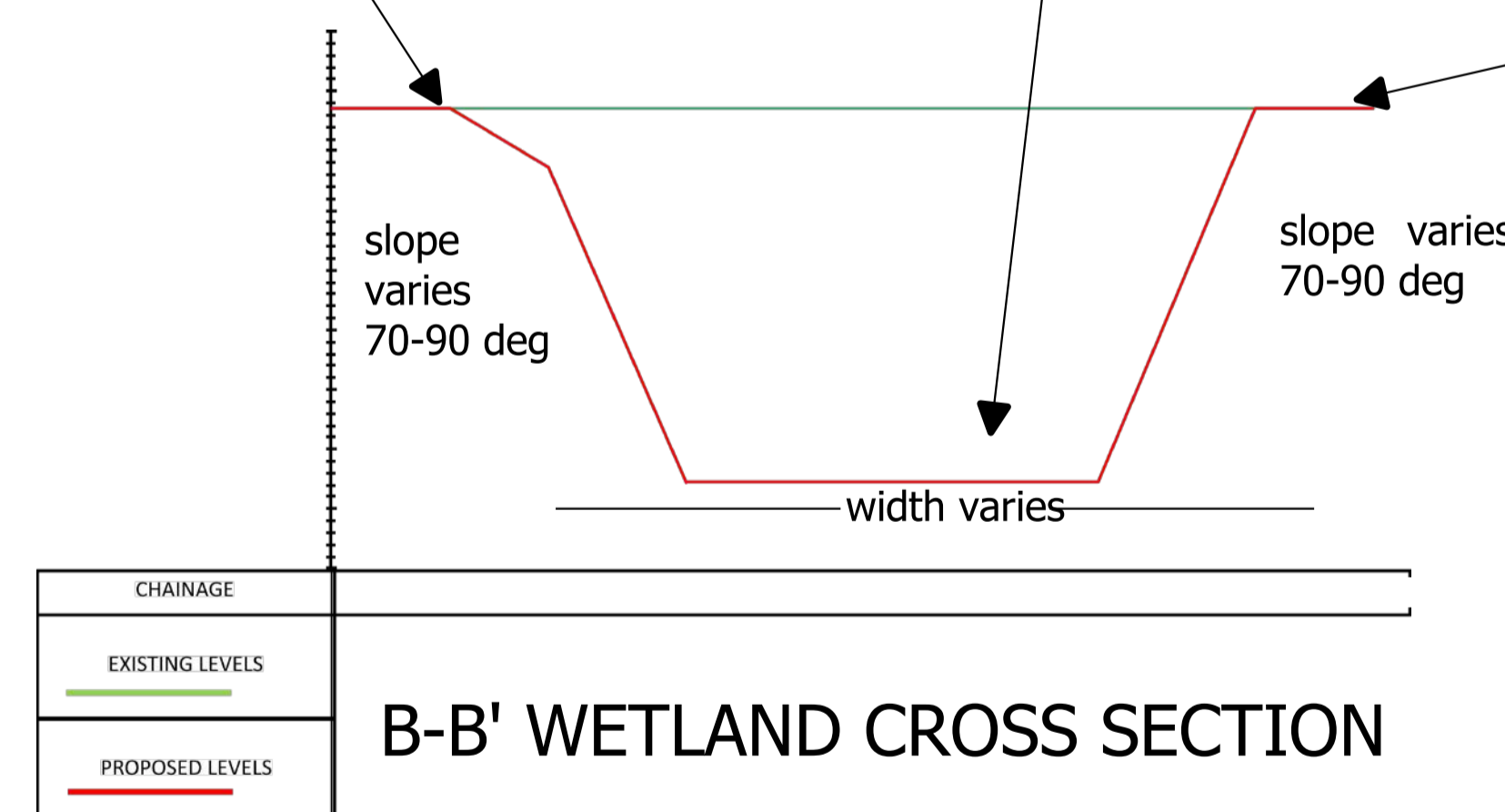


A-A' WETLAND LONG SECTION

GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)

EXCAVATE BY DEPTH PROPOSED IN SPECIFICATION TABLE TO CREATE WETLAND. REFER TO FEATURE COORDINATES AND MAP FOR FEATURE SHAPE

GRADE FEATURE SLOPES TO EXISTING FLOODPLAIN OR CONNECTED FEATURE LEVEL (REFER TO FEATURE TABLE)



B-B' WETLAND CROSS SECTION



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REVISION	DATE
1	04/01

LEGEND:

NOTES:

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PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
WETLAND SECTIONS

AUTHORS:

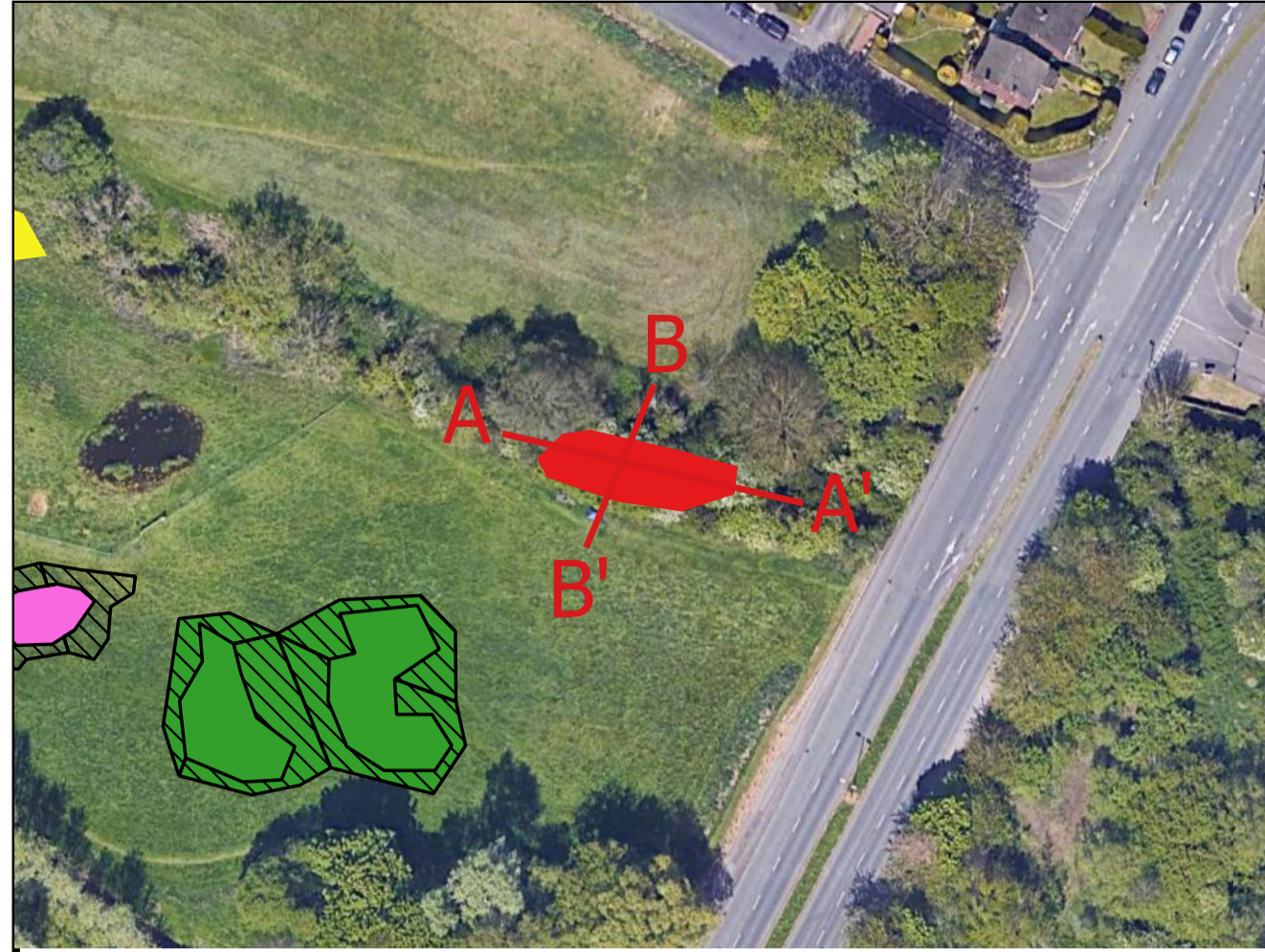
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

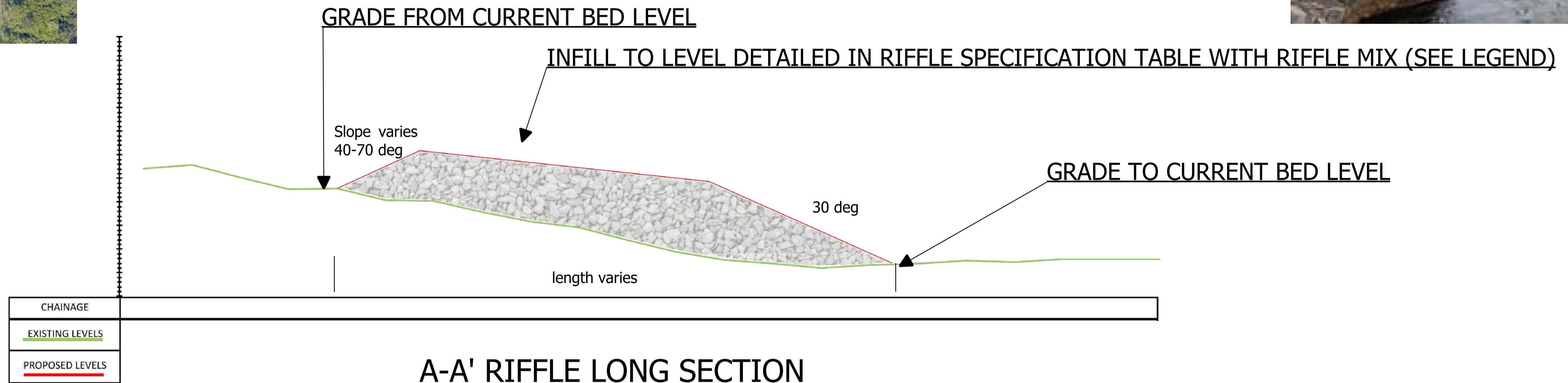
SHEET:

8



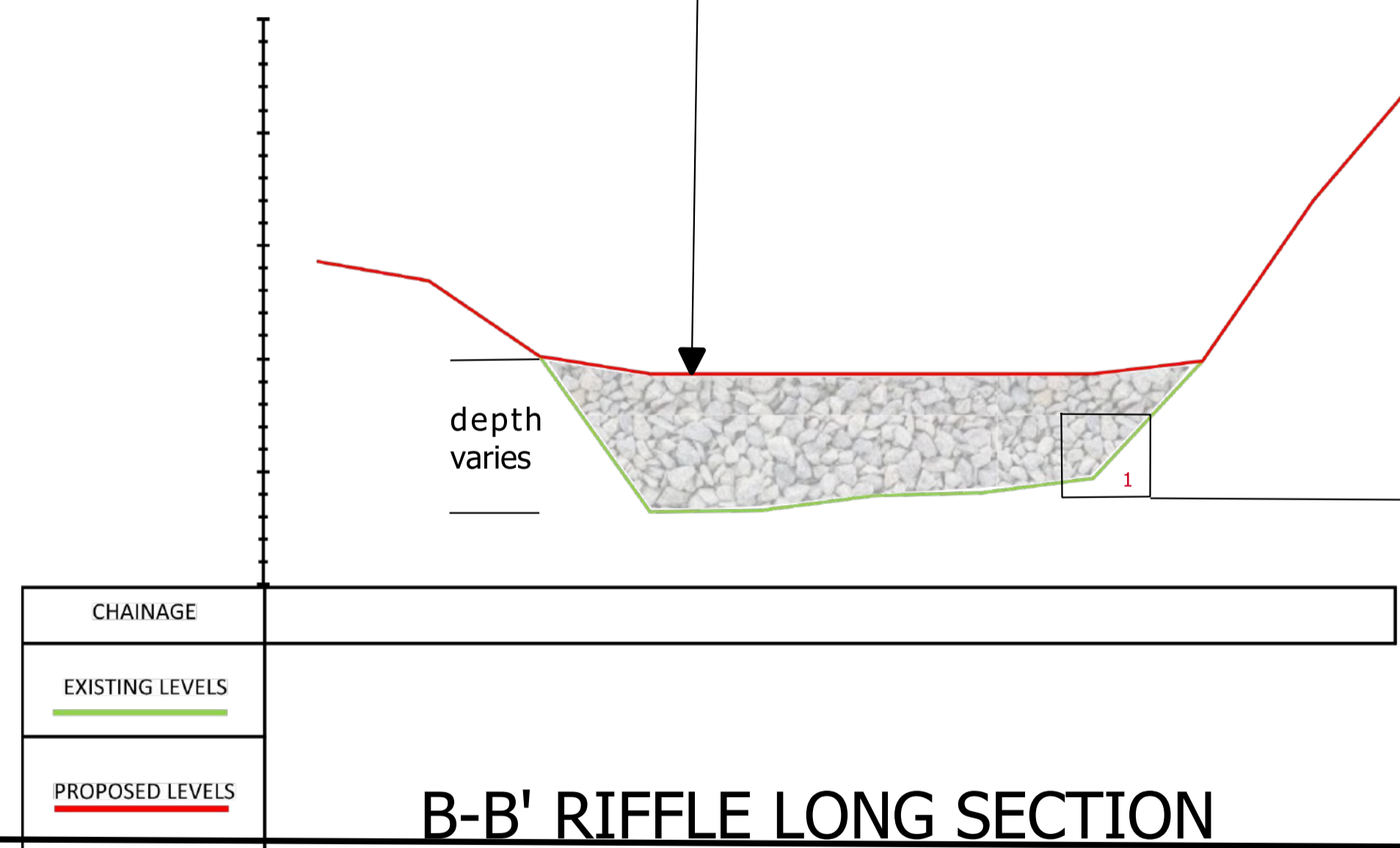
RIFFLE SPECIFICATION TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	MAX UST BASELINE LEVEL (m AOD)	MAX DST BASELINE LEVEL (m AOD)	MAX UST CREST LEVEL (m AOD)	MAX DST CREST LEVEL (m AOD)
1	431614.700,279437.771	20.3	FULL CHANNEL WIDTH	83.2	83.0	83.7	83.5
2	431742.865,279396.525	27.7	FULL CHANNEL WIDTH	82.5	82.4	83.3	83.2



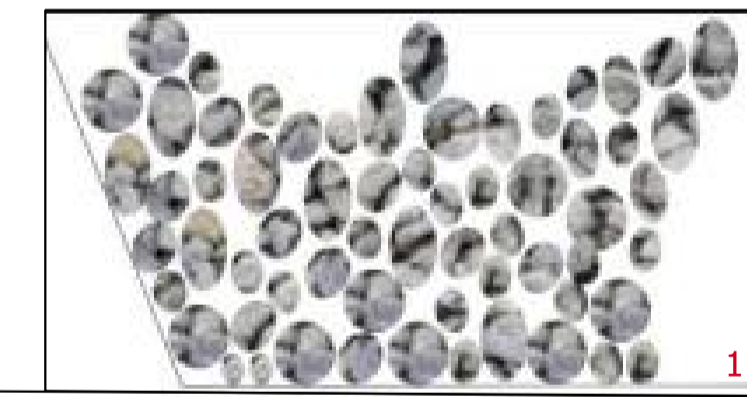
A-A' RIFFLE LONG SECTION

INFILL TO LEVEL DETAILED IN RIFFLE SPECIFICATION TABLE WITH RIFFLE MIX (SEE LEGEND)



B-B' RIFFLE LONG SECTION

COMPACT AND ROUGHEN TO CREATE IRREGULAR SURFACE WITH VARIATION > 2 x LARGEST CLAST



USE SPECIFIED MATERIAL MIX, ENSURE ALL SIZES ARE WELL MIXED



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LEGEND:

RIFFLE GRAVEL MIX

25%	50-100 mm
55%	20-50 mm
20%	2-20 mm

NOTE: Check flow is across the surface of the feature during low flow and ensure no significant seepage occurs that results in the water surface falling below the crest of the feature. Careful mixing of stated sediment size composition should avoid this occurring. Ensure the full range of stated sediment sizes in each category is used.

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RIFFLE SECTIONS

AUTHORS:

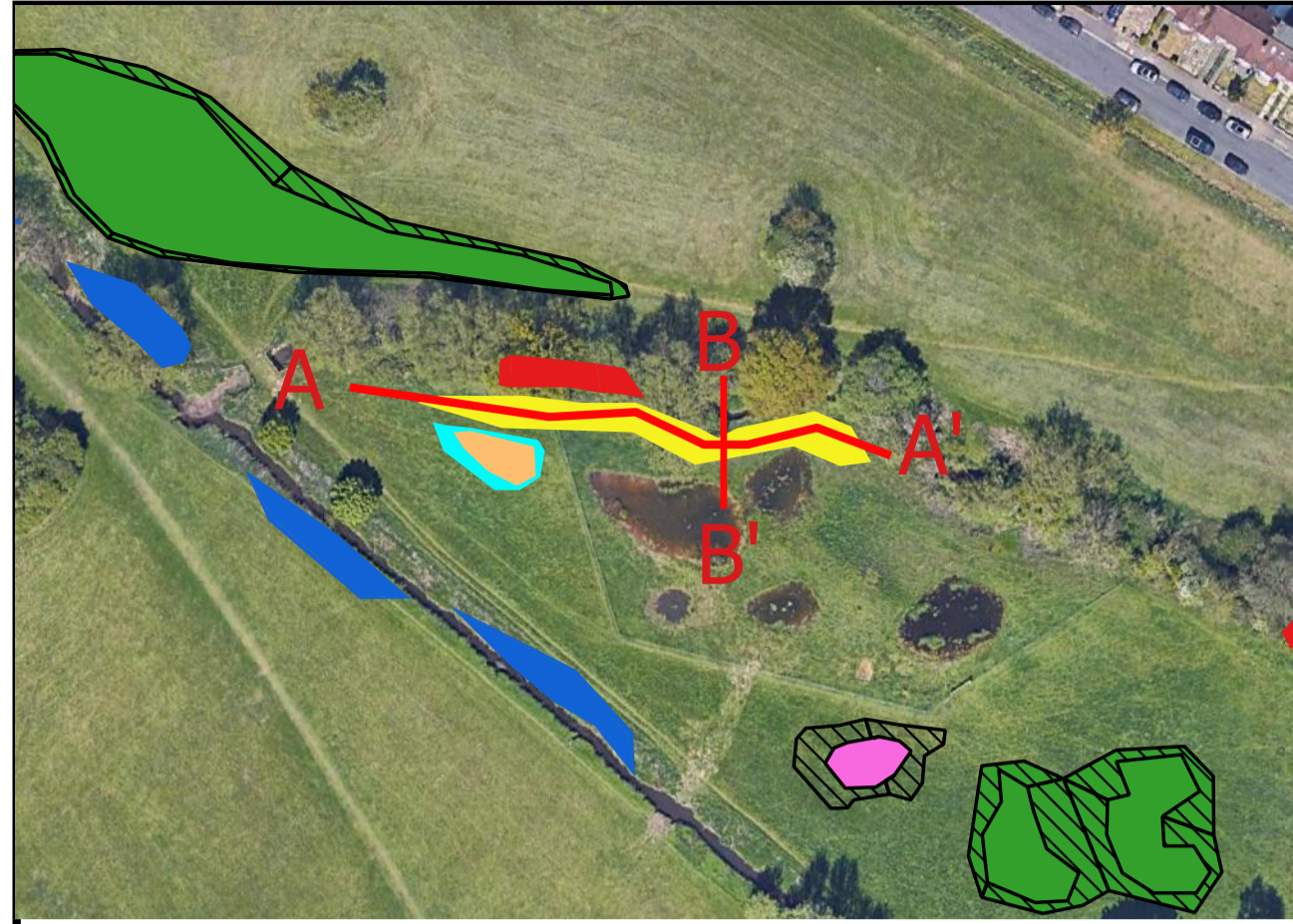
Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

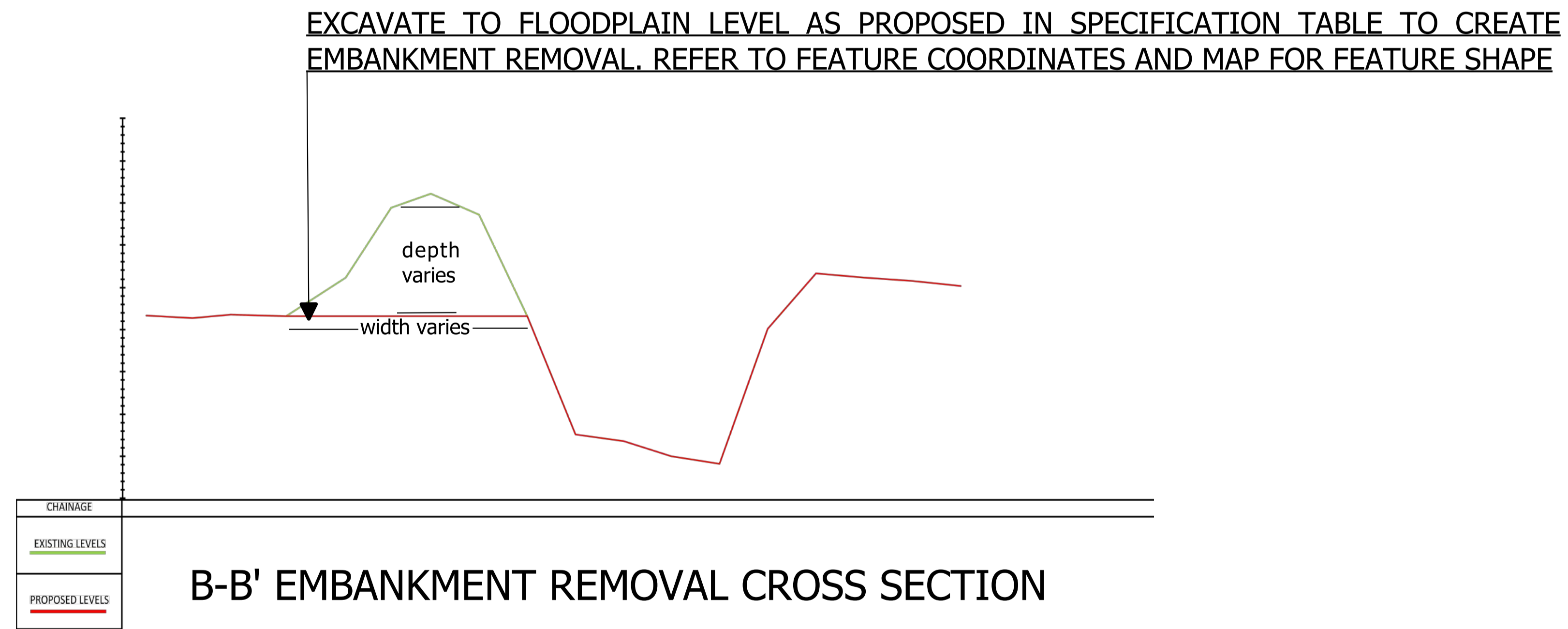
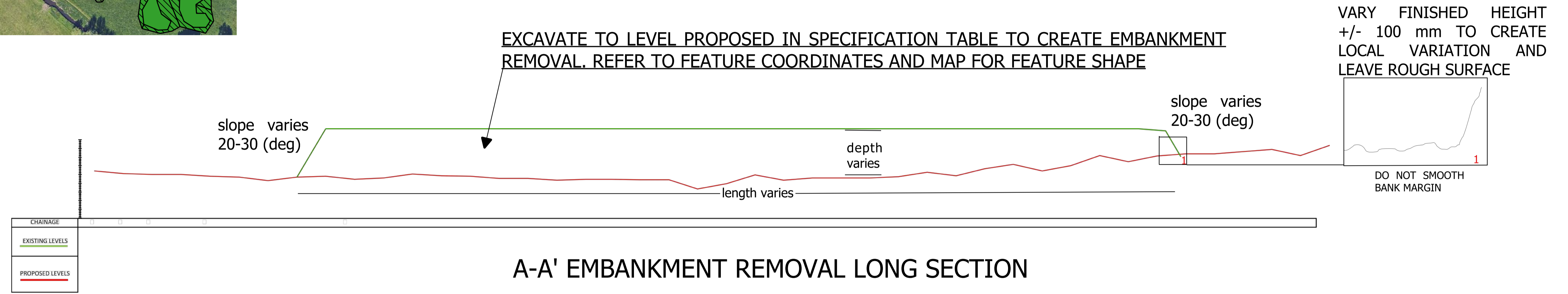
SHEET:

9



EMBANKMENT REMOVAL SPECIFICATION TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	FEATURE CUT LEVEL (m AOD)
1	431605.437,279432.702	75.8	6.7	83.8



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EMBANKMENT REMOVAL SECTIONS

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Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

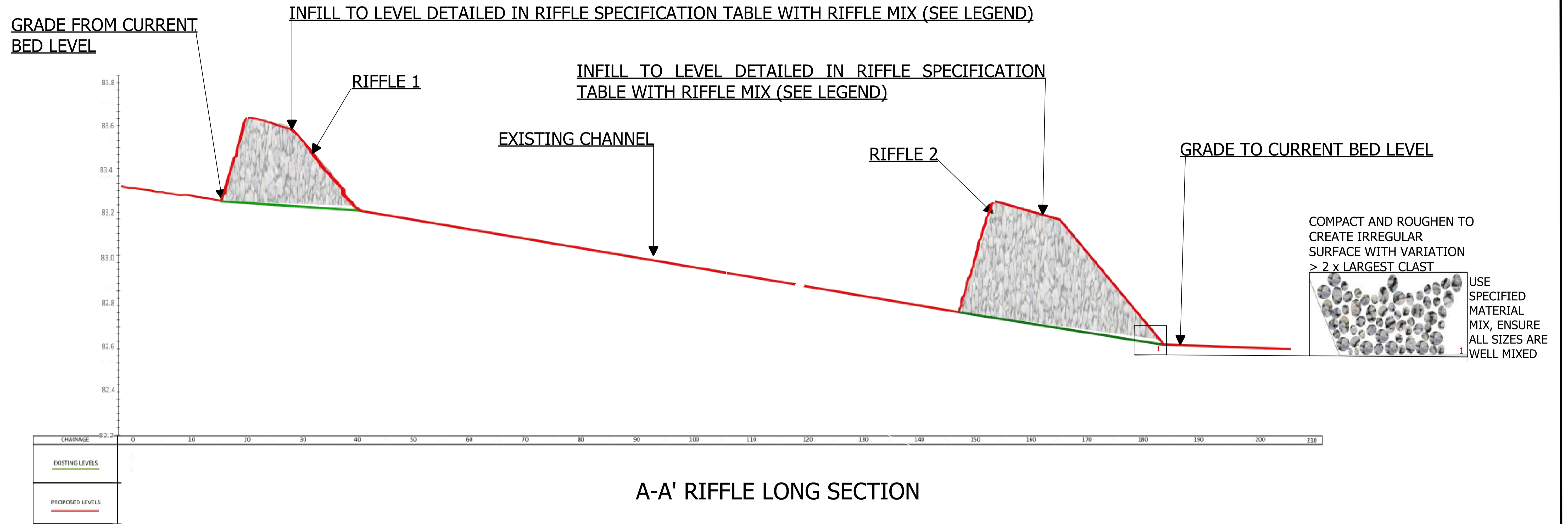
SHEET:

10



RIFFLE SPECIFICATION TABLE

FEATURE NUMBER	UPSTREAM STARTING COORDINATE (OSGB)	AVERAGE FEATURE LENGTH (m)	AVERAGE FEATURE WIDTH (m)	MAX UST BASELINE LEVEL (m AOD)	MAX DST BASELINE LEVEL (m AOD)	MAX UST CREST LEVEL (m AOD)	MAX DST CREST LEVEL (m AOD)
1	431614.700,279437.771	20.3	FULL CHANNEL WIDTH	83.2	83.0	83.7	83.5
2	431742.865,279396.525	27.7	FULL CHANNEL WIDTH	82.5	82.4	83.3	83.2



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(Survey and Design) Ltd



Brandon Marsh
Nature Centre,
Brandon Lane,
Coventry,
CV3 3GW

REVISION	DATE
1	04/01

LEGEND:

RIFFLE GRAVEL MIX

25%	50-100 mm
55%	20-50 mm
20%	2-20 mm

NOTE: Check flow is across the surface of the feature during low flow and ensure no significant seepage occurs that results in the water surface falling below the crest of the feature. Careful mixing of stated sediment size composition should avoid this occurring. Ensure the full range of stated sediment sizes in each category is used.

NOTES:

ALL LEVELS ARE GIVEN IN m A.O.D. (METRES ABOVE ORDNANCE DATUM) AND DEPTH CUTS ARE GIVEN IN m (METRES). CHAINAGE MEASUREMENTS ARE IN METRES. ALL ARISING TO BE STOCKPILED FOR DISPOSAL OFF SITE OR LOCAL SPREADING OUTSIDE OF THE FLOODPLAIN

REFER TO FEATURE BOUNDARY COORDINATES DR-2023-0202-Lake_View_Coordinates" FOR EXACT INDIVIDUAL FEATURE SHAPES

ALL TEMPORARY WORKS INCLUDING SHORING ARE TO CONTRACTORS DESIGN

DO NOT SCALE FROM THIS DRAWING

ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH BUILDING REGS AND GOOD BUILDING PRACTICE

PROJECT TITLE:
Lake View

PROJECT NUMBER:
DR-2023-0202

SHEET TITLE:
RIFFLE LONG SECTION

AUTHORS:

Author: AR
Checked: RW
Approved: GH & SB

SCALE:

MAP SCALE:
NTS

SHEET:

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