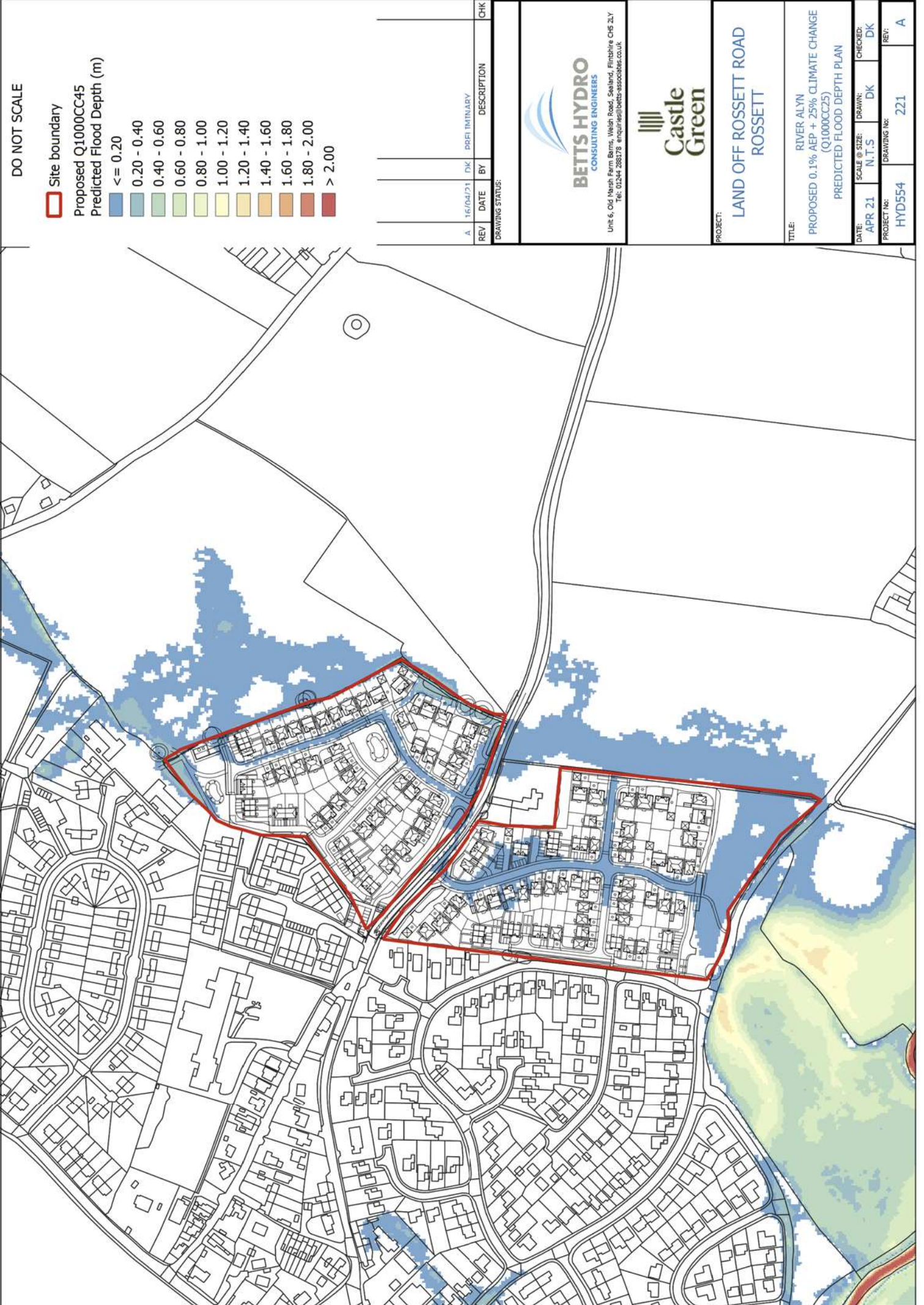


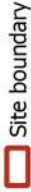
APPENDIX E: PROPOSED SCENARIO FLOOD PLANS

Drawing no. HYD554/221/A 1 IN 1000CC25 YEAR PROPOSED FLOOD DEPTH
Drawing no. HYD554/222/A 1 IN 1000CC25 YEAR PROPOSED FLOOD LEVEL
Drawing no. HYD554/223/A 1 IN 1000CC45 YEAR PROPOSED FLOOD DEPTH
Drawing no. HYD554/224/A 1 IN 1000CC45 YEAR PROPOSED FLOOD LEVEL
Drawing no. HYD554/225/A 1 IN 100 YEAR PROPOSED BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/226/A 1 IN 100 YEAR PROPOSED BLOCKAGE FLOOD LEVEL
Drawing no. HYD554/227/A 1 IN 100CC25 YEAR PROPOSED BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/228/A 1 IN 100CC25 YEAR PROPOSED BLOCKAGE FLOOD LEVEL
Drawing no. HYD554/229/A 1 IN 100CC45 YEAR PROPOSED BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/230/A 1 IN 100CC45 YEAR PROPOSED BLOCKAGE FLOOD LEVEL

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DO NOT SCALE



Site boundary

Proposed Q1000CC45

Predicted Flood Depth (m)

<= 0.20

0.20 - 0.40

0.40 - 0.60

0.60 - 0.80

0.80 - 1.00

1.00 - 1.20

1.20 - 1.40

1.40 - 1.60

1.60 - 1.80

1.80 - 2.00

> 2.00

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				



BETTS HYDRO
CONSULTING ENGINEERS

Unit 6, Old Nash Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288378 enquiries@betts-associates.co.uk

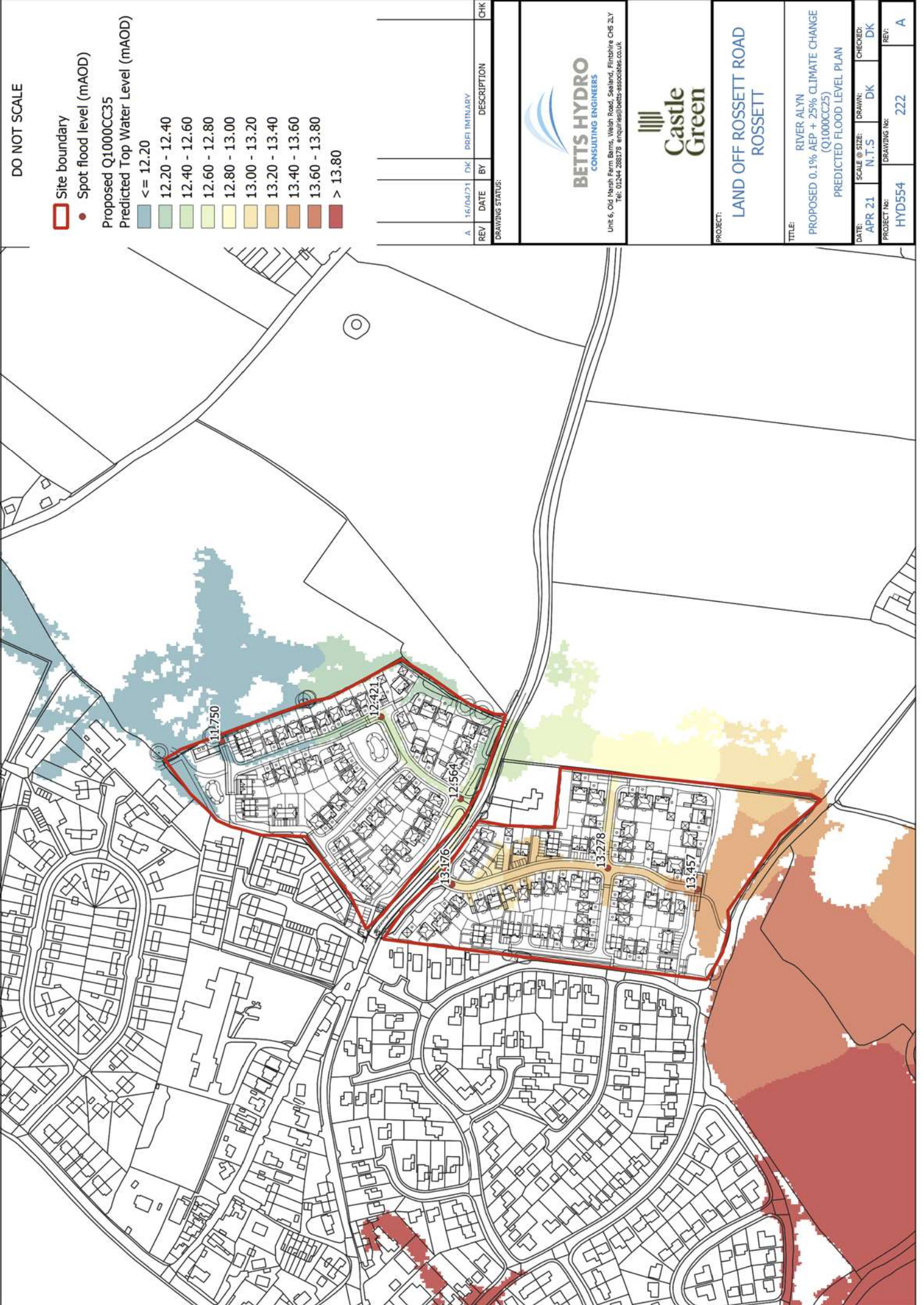


**Castle
Green**

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
PROPOSED 0.1% AEP + 25% CLIMATE CHANGE
(Q1000CC25)
PREDICTED FLOOD DEPTH PLAN

DATE: APR 21	SCALE @ SIZE: N.T.S	DRAWN: DK	CHECKED: DK
PROJECT No: HYD554	DRAWING No: 221	REV: A	



DO NOT SCALE

- Site boundary
- Spot flood level (mAOD)

Proposed Q1000CC35
Predicted Top Water Level (mAOD)

- <= 12.20
- 12.20 - 12.40
- 12.40 - 12.60
- 12.60 - 12.80
- 12.80 - 13.00
- 13.00 - 13.20
- 13.20 - 13.40
- 13.40 - 13.60
- 13.60 - 13.80
- > 13.80

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

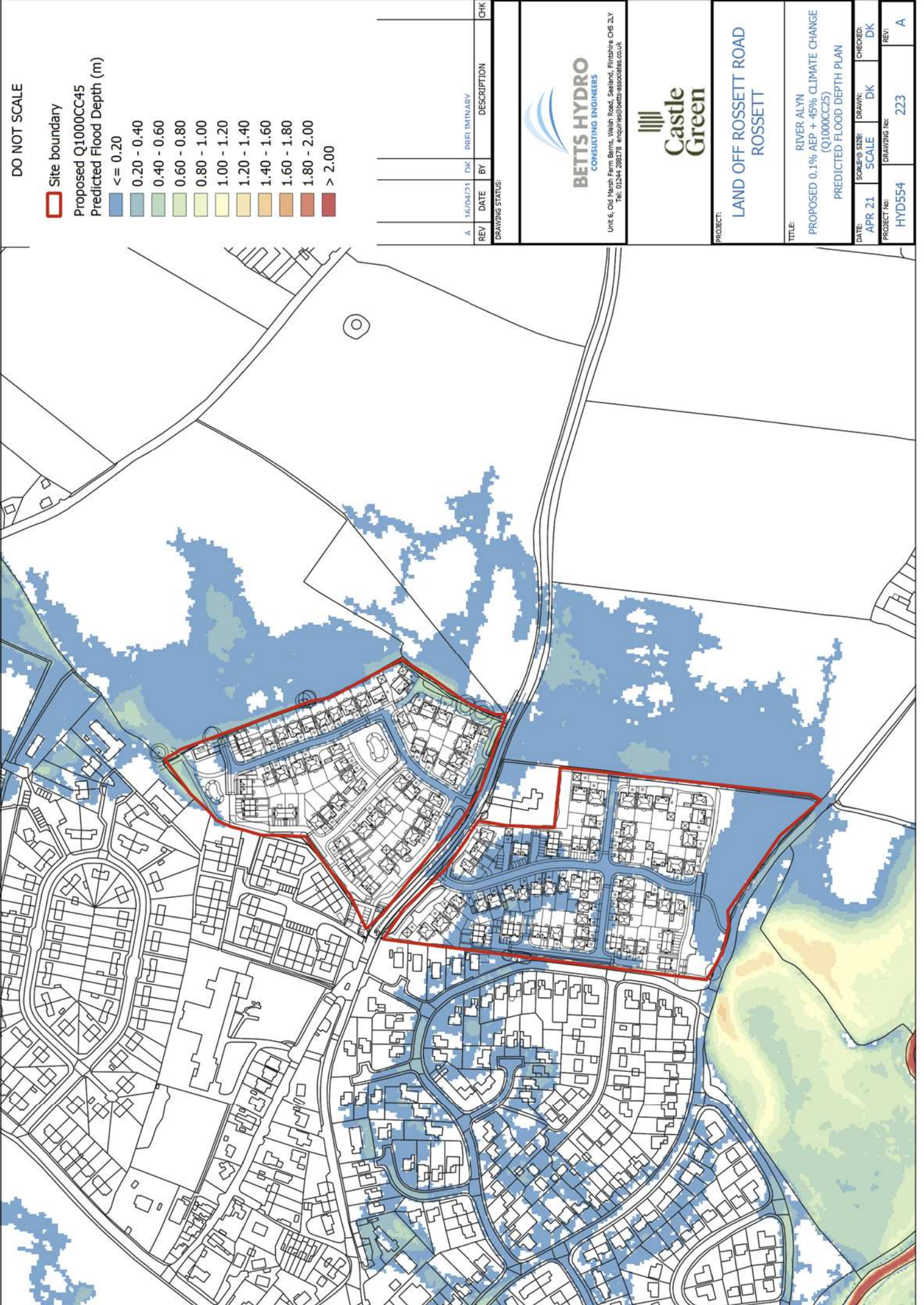
Unit 6, Old Nash Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288378 enquiries@betts-associates.co.uk

Castle Green

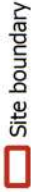
PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
PROPOSED 0.1% AEP + 25% CLIMATE CHANGE
(Q1000CC25)
PREDICTED FLOOD LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
APR 21	N.T.S	DK	DK
PROJECT No:	DRAWING No:		REV:
HYD554	222		A



DO NOT SCALE



Site boundary

Proposed Q1000CC45

Predicted Flood Depth (m)

<= 0.20

0.20 - 0.40

0.40 - 0.60

0.60 - 0.80

0.80 - 1.00

1.00 - 1.20

1.20 - 1.40

1.40 - 1.60

1.60 - 1.80

1.80 - 2.00

> 2.00

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				



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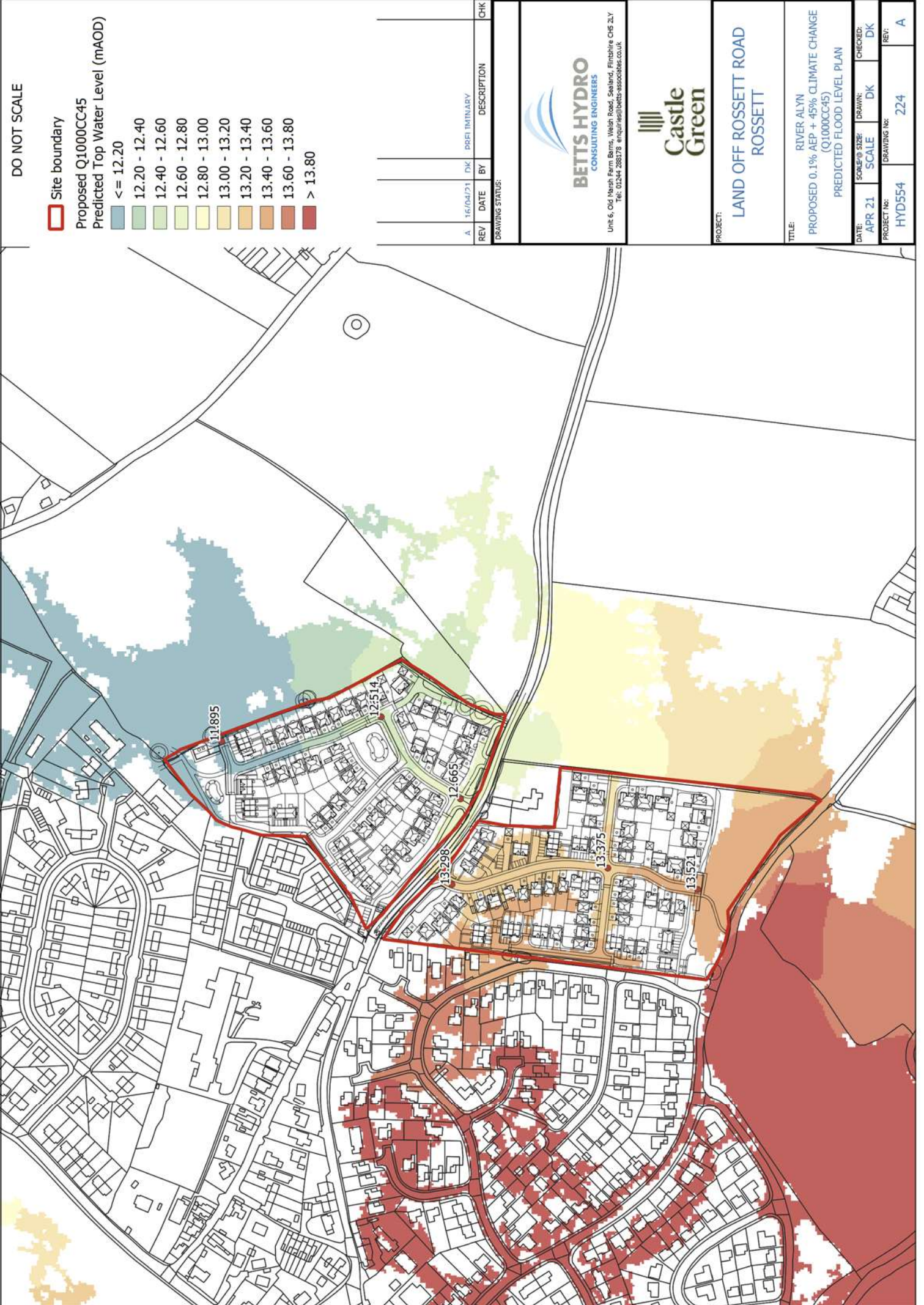


**Castle
Green**

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
PROPOSED 0.1% AEP + 45% CLIMATE CHANGE
(Q1000CC25)
PREDICTED FLOOD DEPTH PLAN

DATE:	SCALE:	DRAWN:	CHECKED:
APR 21	SCALE	DK	DK
PROJECT No:	DRAWING No:		
HYD554	223		A



DO NOT SCALE

Site boundary

Proposed Q1000CC45
Predicted Top Water Level (mAOD)

- <= 12.20
- 12.20 - 12.40
- 12.40 - 12.60
- 12.60 - 12.80
- 12.80 - 13.00
- 13.00 - 13.20
- 13.20 - 13.40
- 13.40 - 13.60
- 13.60 - 13.80
- > 13.80

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

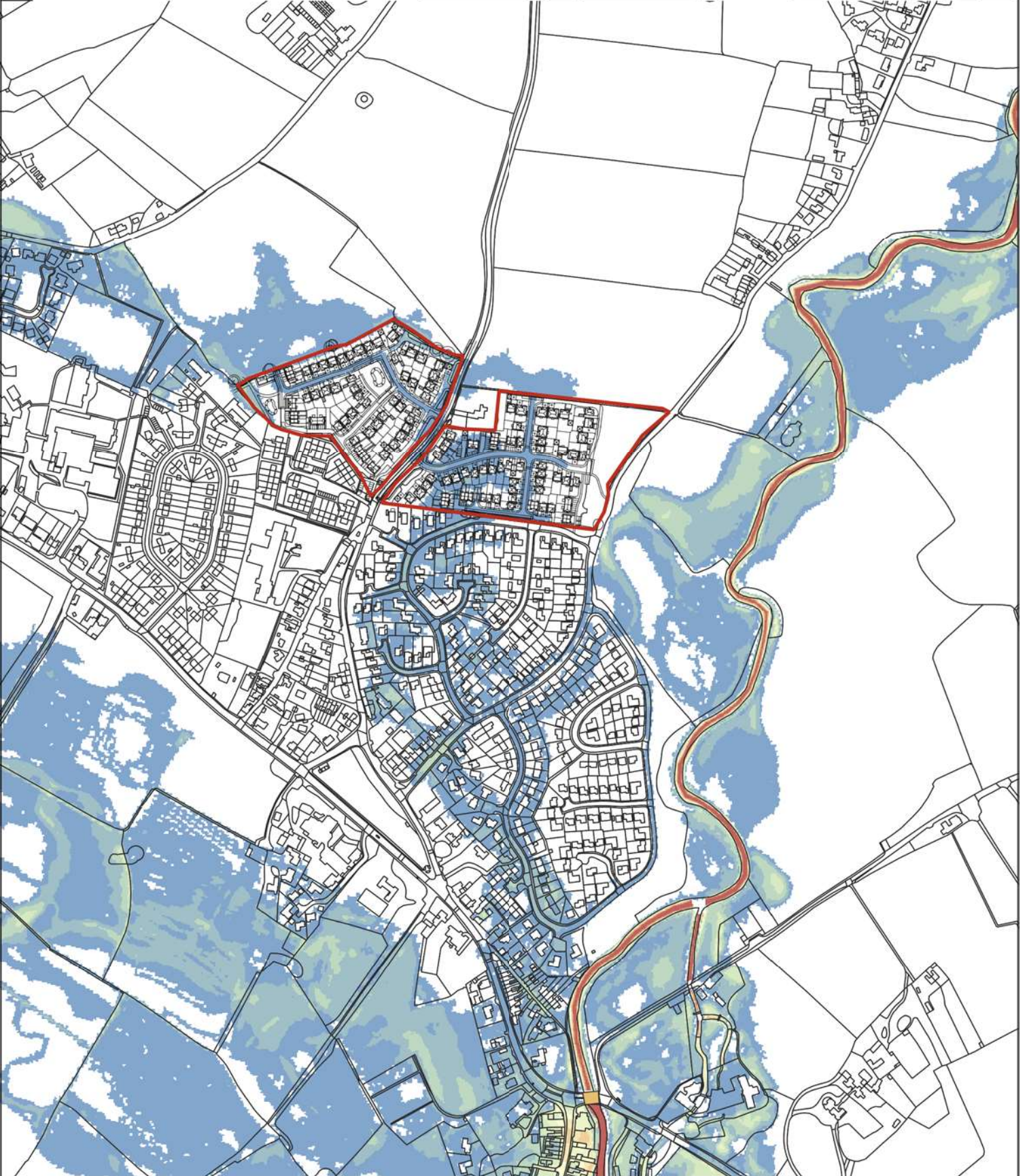
Unit 6, Old Nash Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 283178 enquiries@betts-associates.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
PROPOSED 0.1% AEP + 45% CLIMATE CHANGE
(Q1000CC45)
PREDICTED FLOOD LEVEL PLAN

DATE:	SCALE:	DRAWN:	CHECKED:
APR 21	SCALE	DK	DK
PROJECT No:	DRAWING No:		REV:
HYD554	224		A



DO NOT SCALE

- Site boundary
- Blockage location

Proposed Q100

Predicted Flood Depth (m)

- <= 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- 1.20 - 1.40
- 1.40 - 1.60
- 1.60 - 1.80
- 1.80 - 2.00
- > 2.00

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				



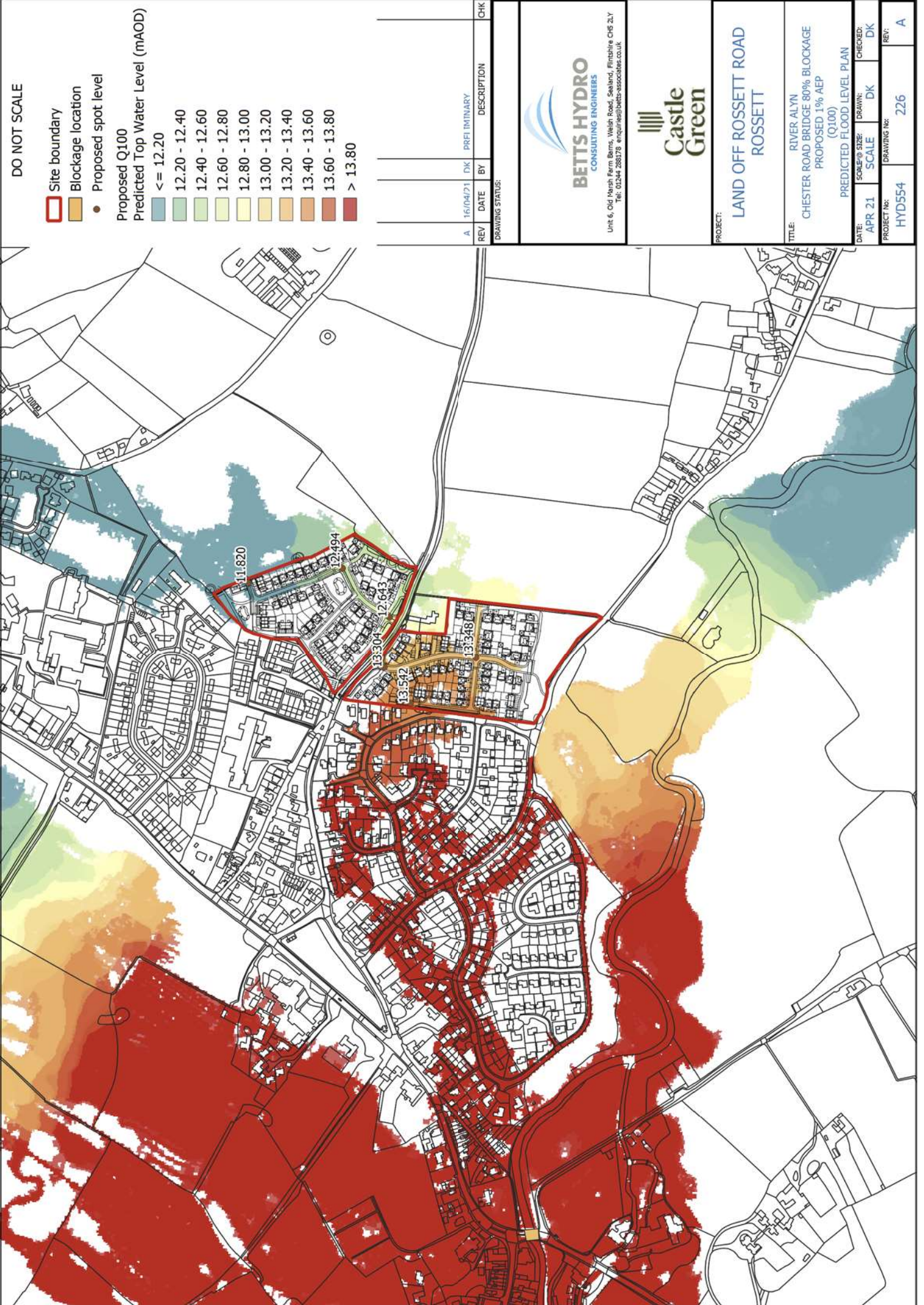
BETTS HYDRO
CONSULTING ENGINEERS

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288378 enquiries@betts-hydro.co.uk



**Castle
Green**

PROJECT:				
LAND OFF ROSSETT ROAD ROSSETT				
TITLE:				
RIVER ALYN CHESTER ROAD BRIDGE 80% BLOCKAGE PROPOSED 1% AEP (Q100) PREDICTED FLOOD DEPTH PLAN				
DATE:	SCALE:	DRAWN:	CHECKED:	REV:
APR 21	1:1000	DK	DK	
PROJECT No:		DRAWING No:		
HYD554		225		A



DO NOT SCALE

- Site boundary
- Blockage location
- Proposed spot level

Proposed Q100

Predicted Top Water Level (mAOD)

- <= 12.20
- 12.20 - 12.40
- 12.40 - 12.60
- 12.60 - 12.80
- 12.80 - 13.00
- 13.00 - 13.20
- 13.20 - 13.40
- 13.40 - 13.60
- 13.60 - 13.80
- > 13.80

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

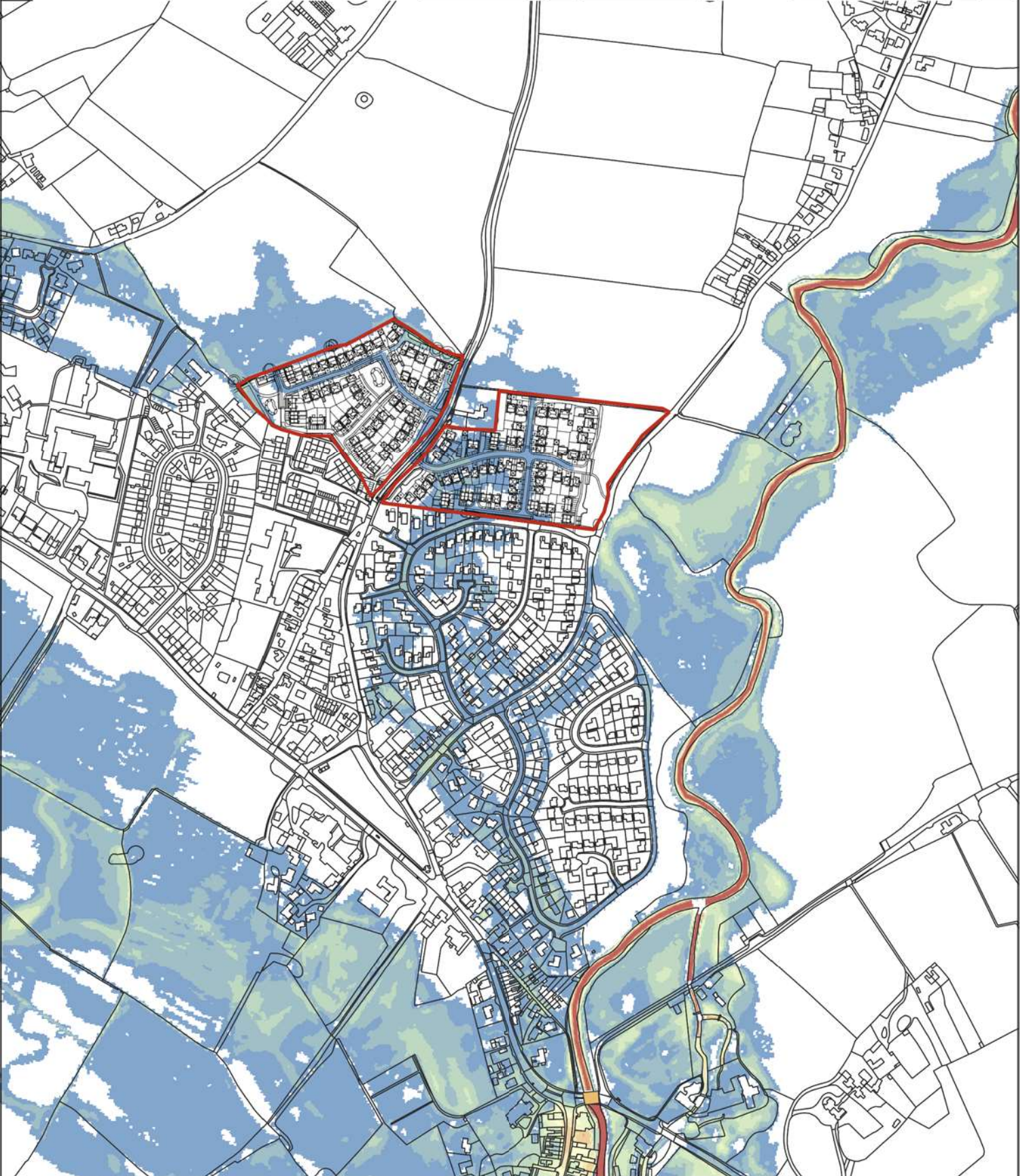
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-associates.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
PROPOSED 1% AEP
(Q100)
PREDICTED FLOOD LEVEL PLAN

DATE:	SCALE:	DRAWN:	CHECKED:
APR 21	1:1	DK	DK
PROJECT No:	DRAWING No:	REV:	
HYD554	226	A	



DO NOT SCALE

- Site boundary
- Blockage location

Proposed Q100CC25
Predicted Flood Depth (m)

- <= 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- 1.20 - 1.40
- 1.40 - 1.60
- 1.60 - 1.80
- 1.80 - 2.00
- > 2.00

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				

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CONSULTING ENGINEERS

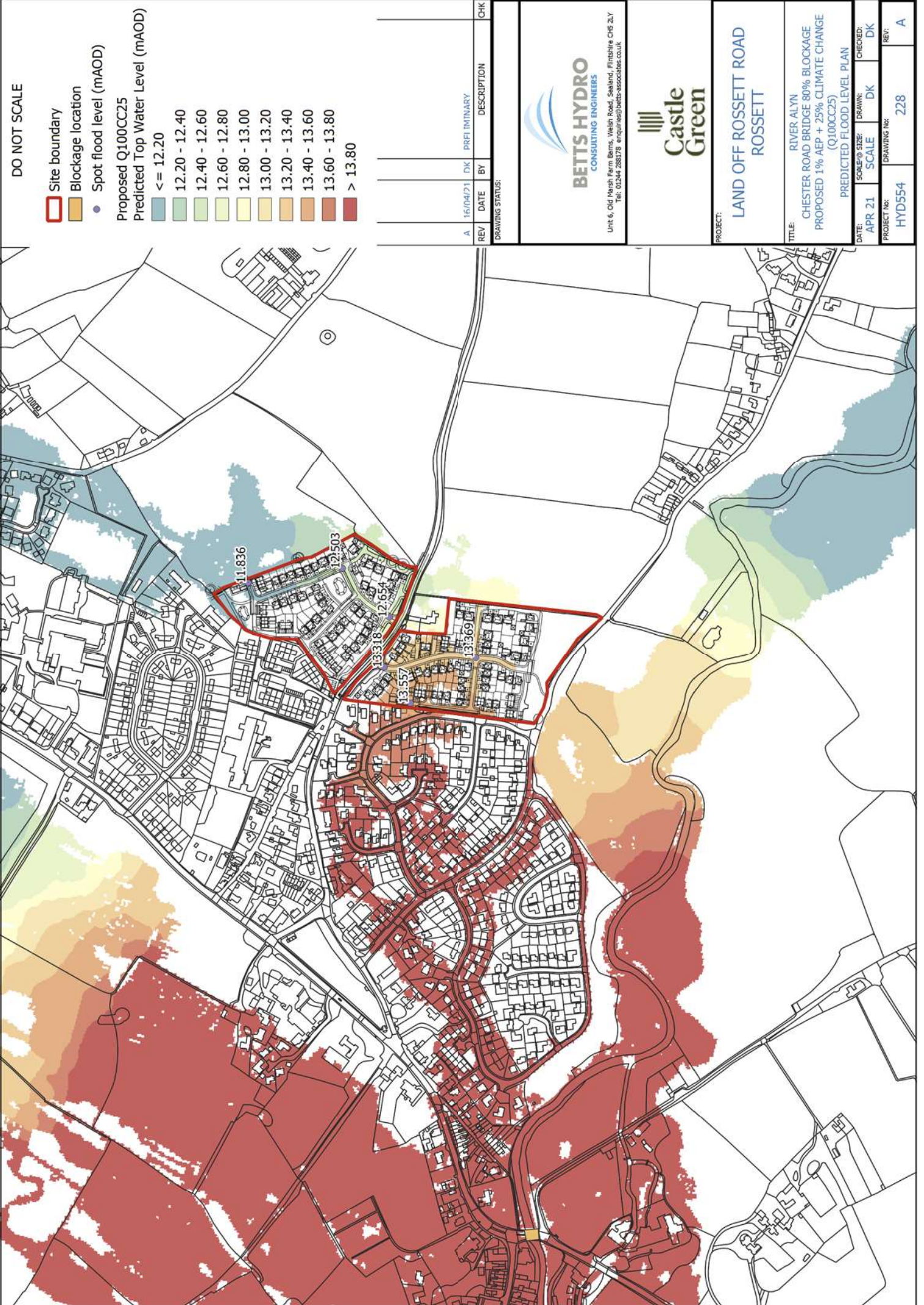
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288378 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
PROPOSED 1% AEP + 25% CLIMATE CHANGE
(Q100CC25)
PREDICTED FLOOD DEPTH PLAN

DATE: APR 21	SCALE: 1:1000	DRAWN: DK	CHECKED: DK
PROJECT No: HYD554	DRAWING No: 227	REV: A	



DO NOT SCALE

- Site boundary
- Blockage location
- Spot flood level (mAOD)

Proposed Q100CC25
Predicted Top Water Level (mAOD)

- <= 12.20
- 12.20 - 12.40
- 12.40 - 12.60
- 12.60 - 12.80
- 12.80 - 13.00
- 13.00 - 13.20
- 13.20 - 13.40
- 13.40 - 13.60
- 13.60 - 13.80
- > 13.80

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				



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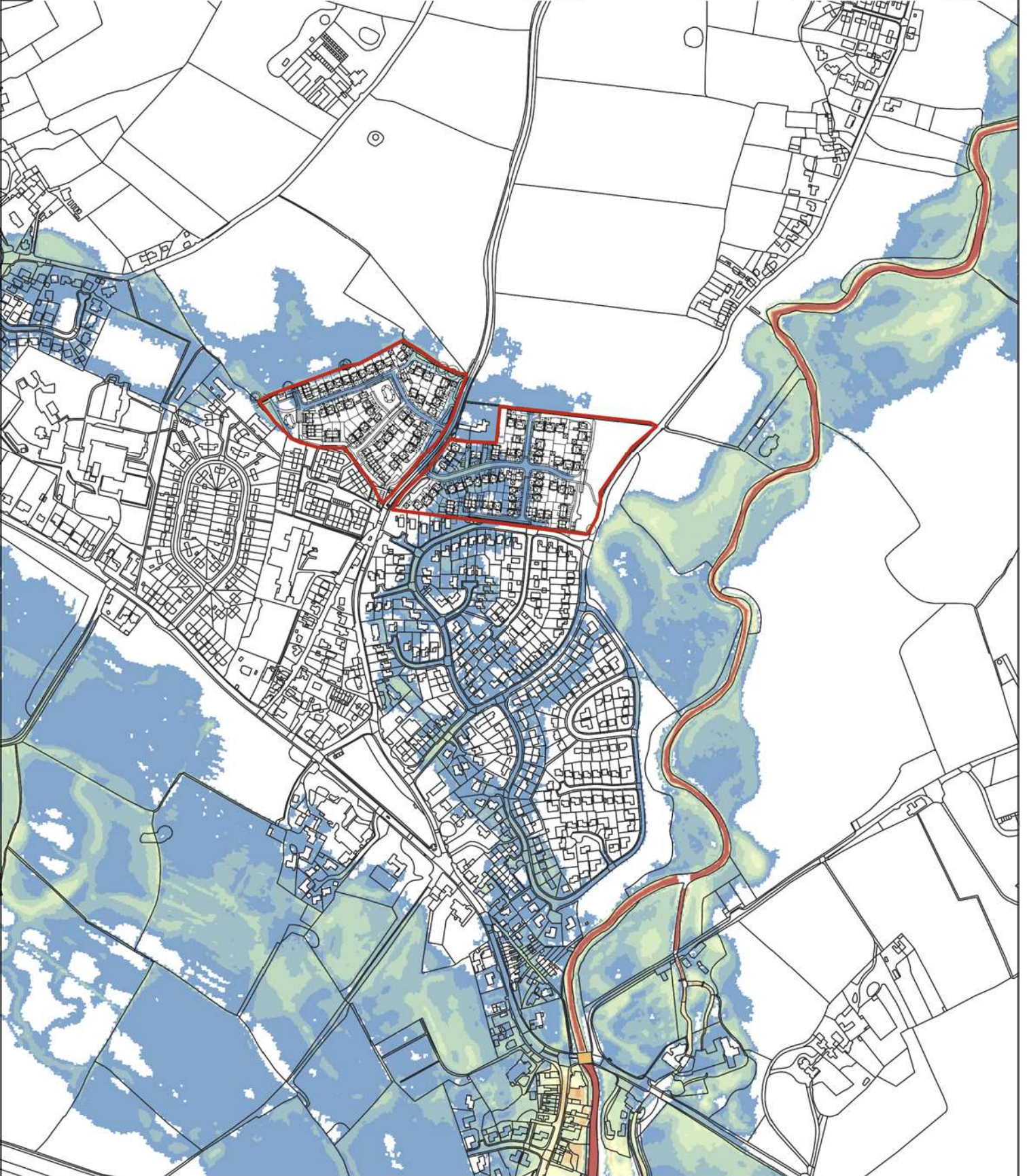


**Castle
Green**

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
PROPOSED 1% AEP + 25% CLIMATE CHANGE
(Q100CC25)
PREDICTED FLOOD LEVEL PLAN

DATE: APR 21	SCALE: 1:1000	DRAWN: DK	CHECKED: DK
PROJECT No: HYD554	DRAWING No: 228	REV: A	



DO NOT SCALE

- Site boundary
- Blockage location

Proposed Q100CC25
Predicted Flood Depth (m)

- <= 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- 1.20 - 1.40
- 1.40 - 1.60
- 1.60 - 1.80
- 1.80 - 2.00
- > 2.00

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				



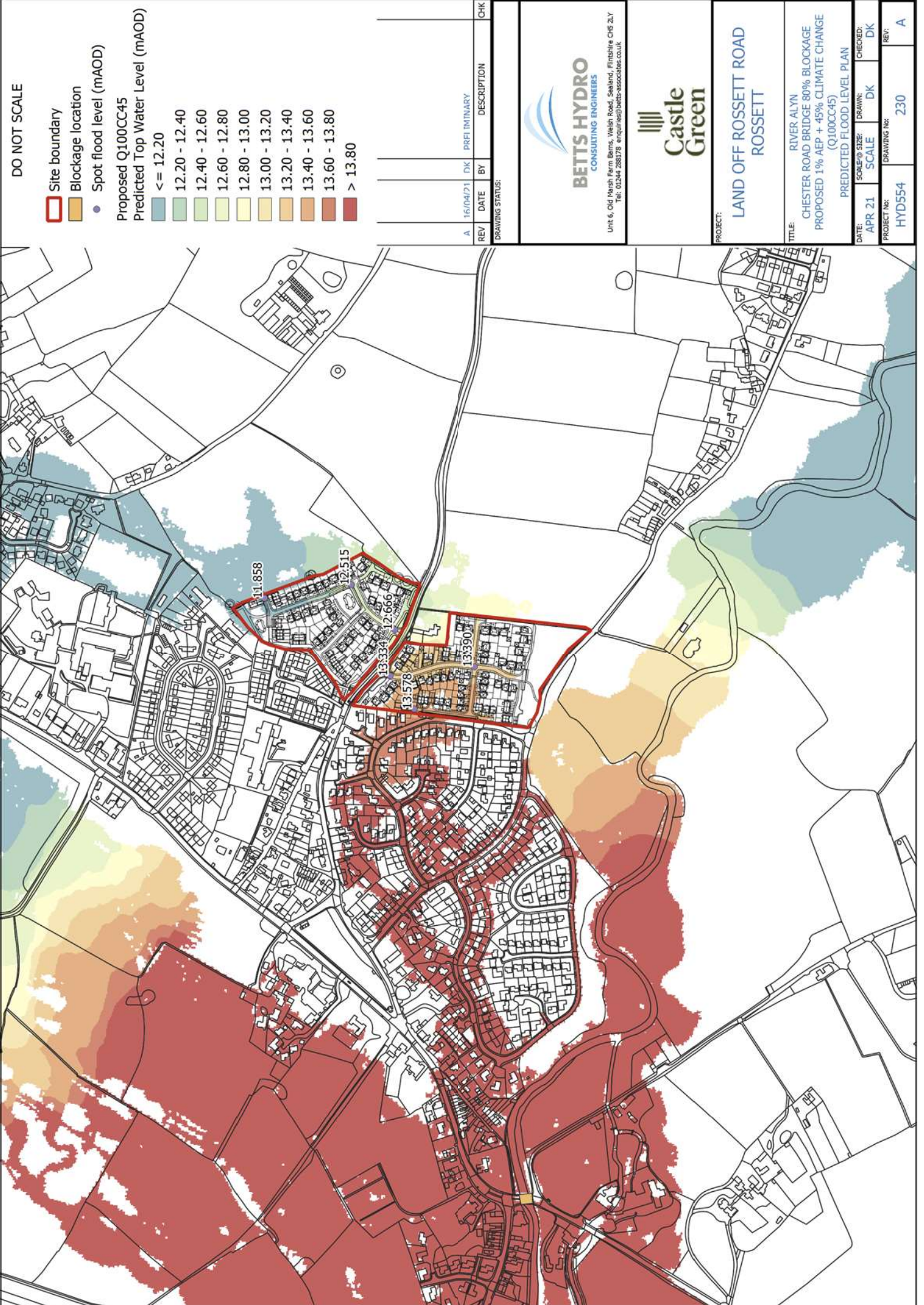
BETTS HYDRO
CONSULTING ENGINEERS

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288378 enquiries@betts-associates.co.uk



**Castle
Green**

PROJECT:		LAND OFF ROSSETT ROAD ROSSETT	
TITLE:		RIVER ALYN CHESTER ROAD BRIDGE 80% BLOCKAGE PROPOSED 1% AEP + 45% CLIMATE CHANGE (Q100CC25) PREDICTED FLOOD DEPTH PLAN	
DATE:	SCALE @ SIZE:	DRAWN:	CHECKED:
APR 21	N.T.S	DK	DK
PROJECT No:	DRAWING No:	REV:	
HYD554	229	A	



DO NOT SCALE

- Site boundary
- Blockage location
- Spot flood level (mAOD)

Proposed Q100CCC45

Predicted Top Water Level (mAOD)

- <= 12.20
- 12.20 - 12.40
- 12.40 - 12.60
- 12.60 - 12.80
- 12.80 - 13.00
- 13.00 - 13.20
- 13.20 - 13.40
- 13.40 - 13.60
- 13.60 - 13.80
- > 13.80

REV	DATE	BY	DESCRIPTION	CHK
A	16/04/21	DK	PRELIMINARY	
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

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Tel: 01244 288178 enquiries@betts-associates.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
PROPOSED 1% AEP + 45% CLIMATE CHANGE
(Q100CCC45)
PREDICTED FLOOD LEVEL PLAN

DATE:	SCALE:	DRAWN:	CHECKED:
APR 21	1:1000	DK	DK
PROJECT No:	DRAWING No:	REV:	
HYD554	230	A	