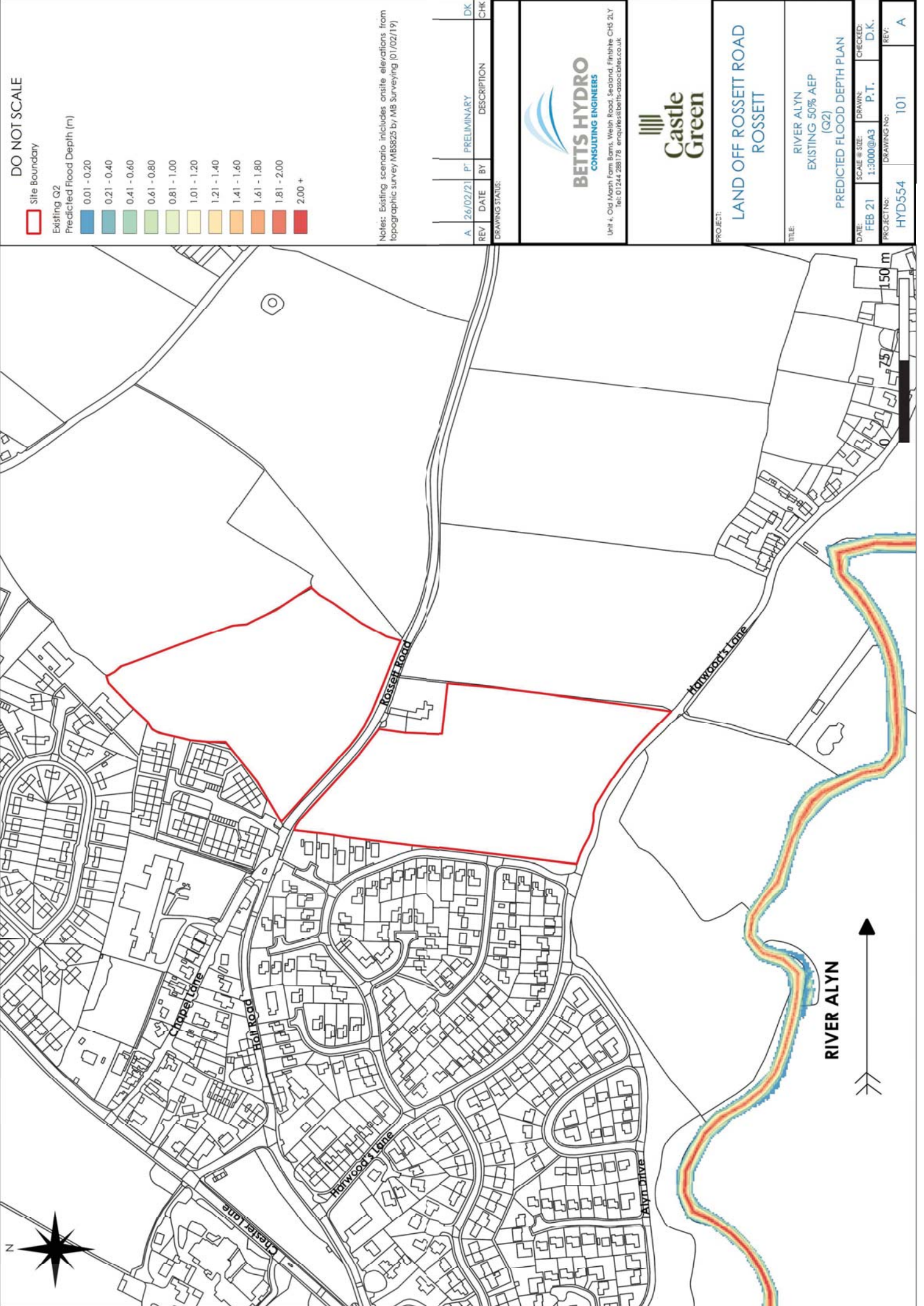


APPENDIX D: EXISTING SCENARIO FLOOD PLANS

Drawing no. HYD554/101/A 1 IN 2 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/102/A 1 IN 2 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/103/A 1 IN 10 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/104/A 1 IN 10 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/105/A 1 IN 20 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/106/A 1 IN 20 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/107/A 1 IN 30 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/108/A 1 IN 30 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/109/A 1 IN 50 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/110/A 1 IN 50 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/111/A 1 IN 75 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/112/A 1 IN 75 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/113/A 1 IN 100 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/114/A 1 IN 100 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/115/A 1 IN 1000 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/116/A 1 IN 1000 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/117/A 1 IN 100CC25 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/118/A 1 IN 100CC25 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/119/A 1 IN 100CC45 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/120/A 1 IN 100CC45 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/121/B 1 IN 1000CC25 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/122/B 1 IN 1000CC25 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/123/B 1 IN 1000CC45 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/124/B 1 IN 1000CC45 YEAR EXISTING FLOOD LEVEL
Drawing no. HYD554/125/B 1 IN 100 YEAR EXISTING BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/126/B 1 IN 100 YEAR EXISTING BLOCKAGE FLOOD LEVEL
Drawing no. HYD554/127/B 1 IN 100CC25 YEAR EXISTING BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/128/B 1 IN 100CC25 YEAR EXISTING BLOCKAGE FLOOD LEVEL
Drawing no. HYD554/129/B 1 IN 100CC45 YEAR EXISTING BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/130/B 1 IN 100CC45 YEAR EXISTING BLOCKAGE FLOOD LEVEL

This page has been left intentionally blank.



DO NOT SCALE

Site Boundary

Existing Q2

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO

CONSULTING ENGINEERS

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

Castle Green

PROJECT:

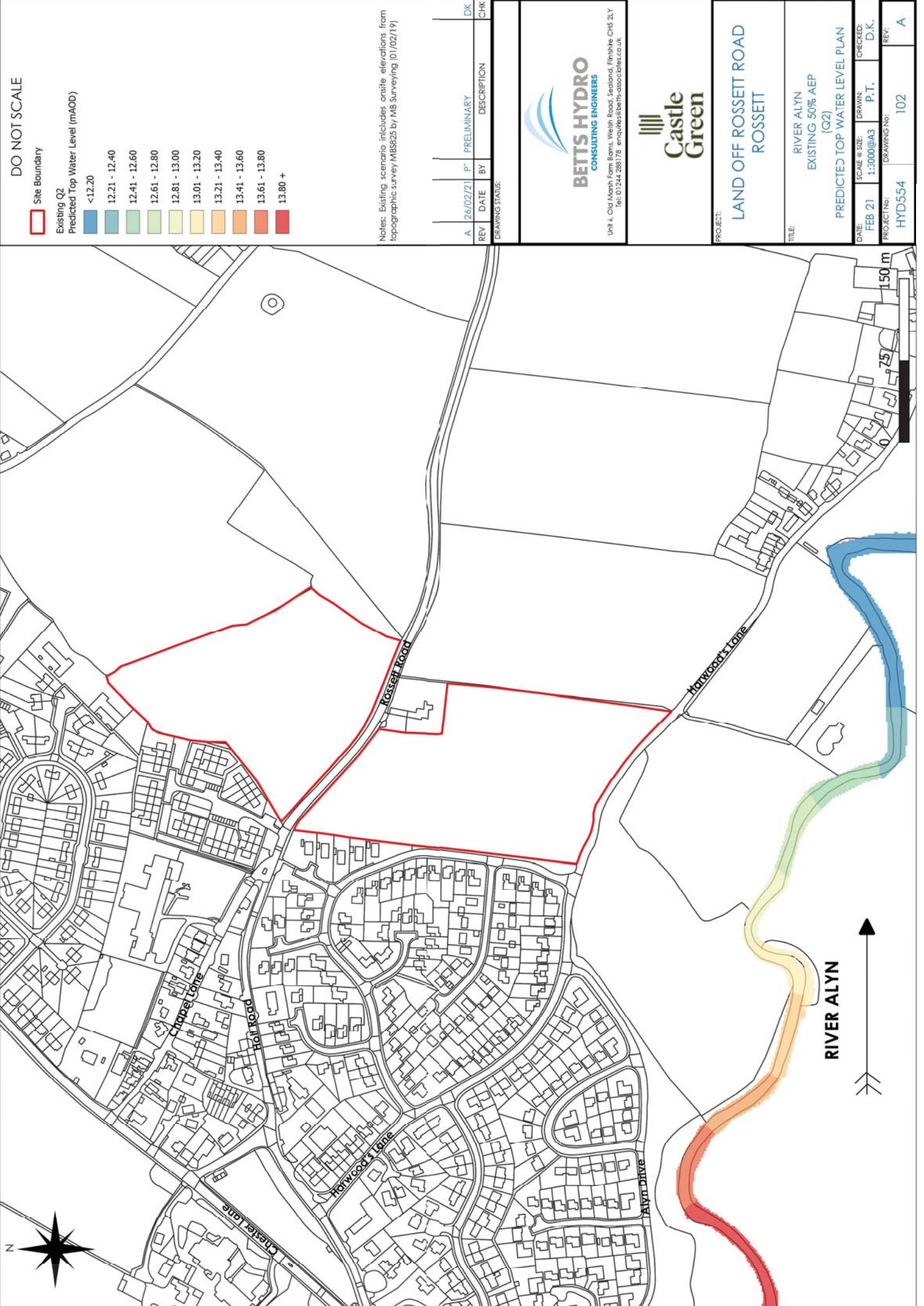
LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
EXISTING 50% AEP
(Q2)
PREDICTED FLOOD DEPTH PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.

PROJECT No:	DRAWING No:	REV:
HYD554	101	A



DO NOT SCALE

- Site Boundary
- Existing Q2
- Predicted Top Water Level (mAOD)
- <12.20
- 12.21 - 12.40
- 12.41 - 12.60
- 12.61 - 12.80
- 12.81 - 13.00
- 13.01 - 13.20
- 13.21 - 13.40
- 13.41 - 13.60
- 13.61 - 13.80
- 13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK



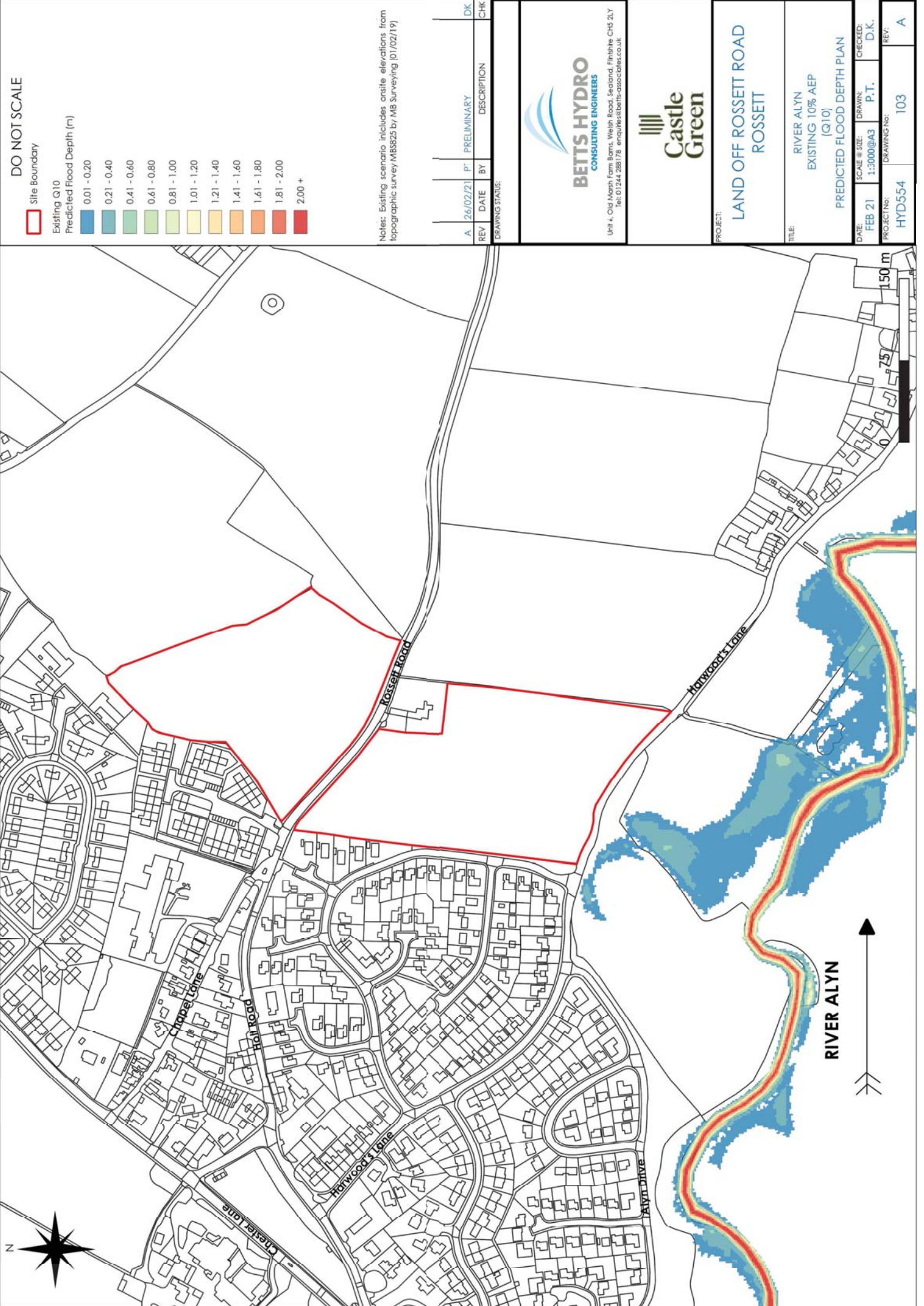
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 4, Old Mersh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 email: enquiries@betts-hydro.co.uk

PROJECT: LAND OFF ROSSETT ROAD ROSSETT			
TITLE: RIVER ALYN EXISTING 50% AEP (Q2) PREDICTED TOP WATER LEVEL PLAN			
DATE: FEB 21	SCALE & SIZE: 1:3000@A3	DRAWN: P.T.	CHECKED: D.K.
PROJECT No: HYD554	DRAWING No: 102	REV: A	



DO NOT SCALE

Site Boundary

Existing Q10

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK

BETTS HYDRO
CONSULTING ENGINEERS

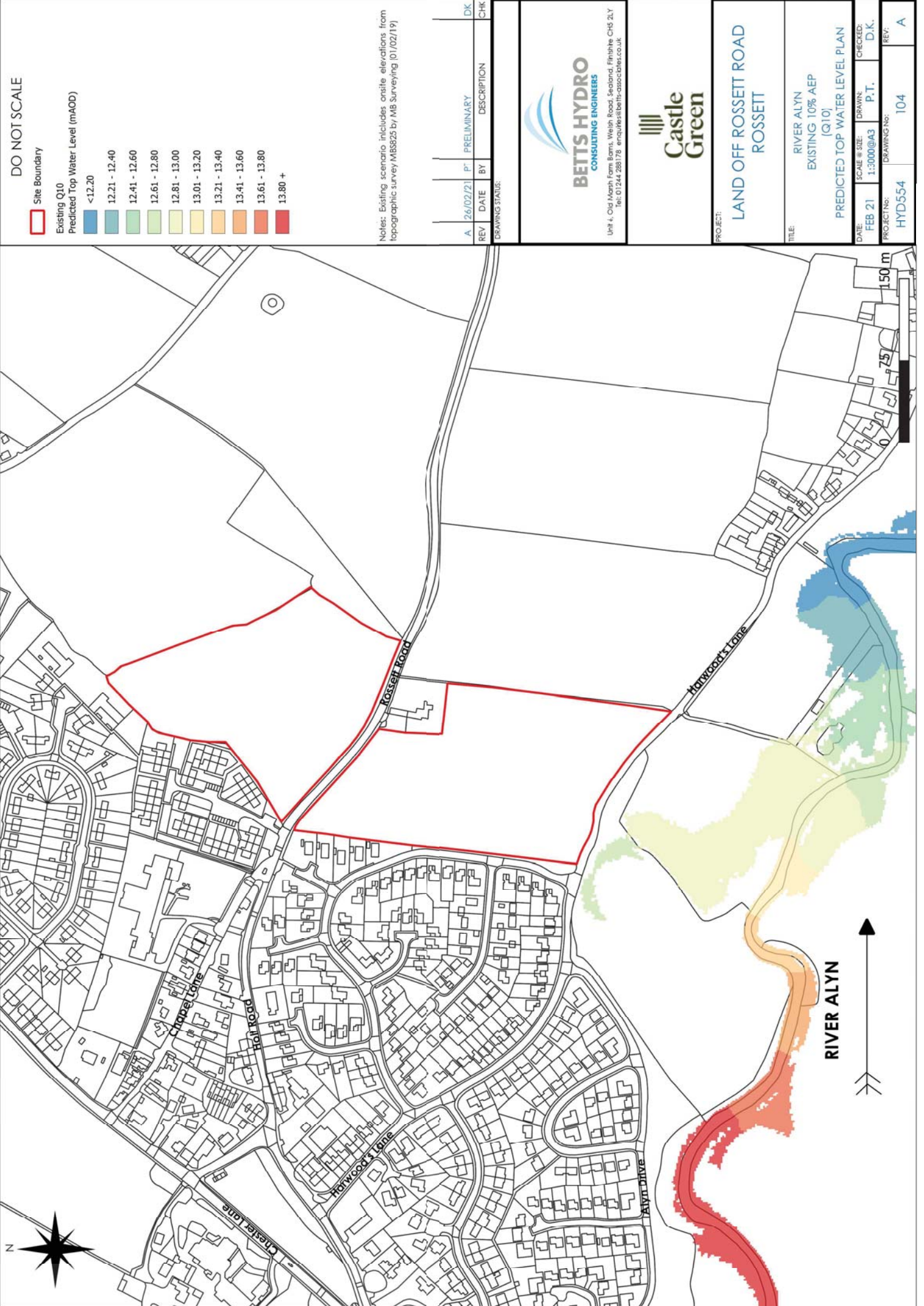
Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
**RIVER ALYN
EXISTING 10% AEP
(Q10)
PREDICTED FLOOD DEPTH PLAN**

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	103	A	



DO NOT SCALE

- Site Boundary
- Existing Q10
- Predicted Top Water Level (mAOD)
- <12.20
 - 12.21 - 12.40
 - 12.41 - 12.60
 - 12.61 - 12.80
 - 12.81 - 13.00
 - 13.01 - 13.20
 - 13.21 - 13.40
 - 13.41 - 13.60
 - 13.61 - 13.80
 - 13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK

BETTS HYDRO
CONSULTING ENGINEERS

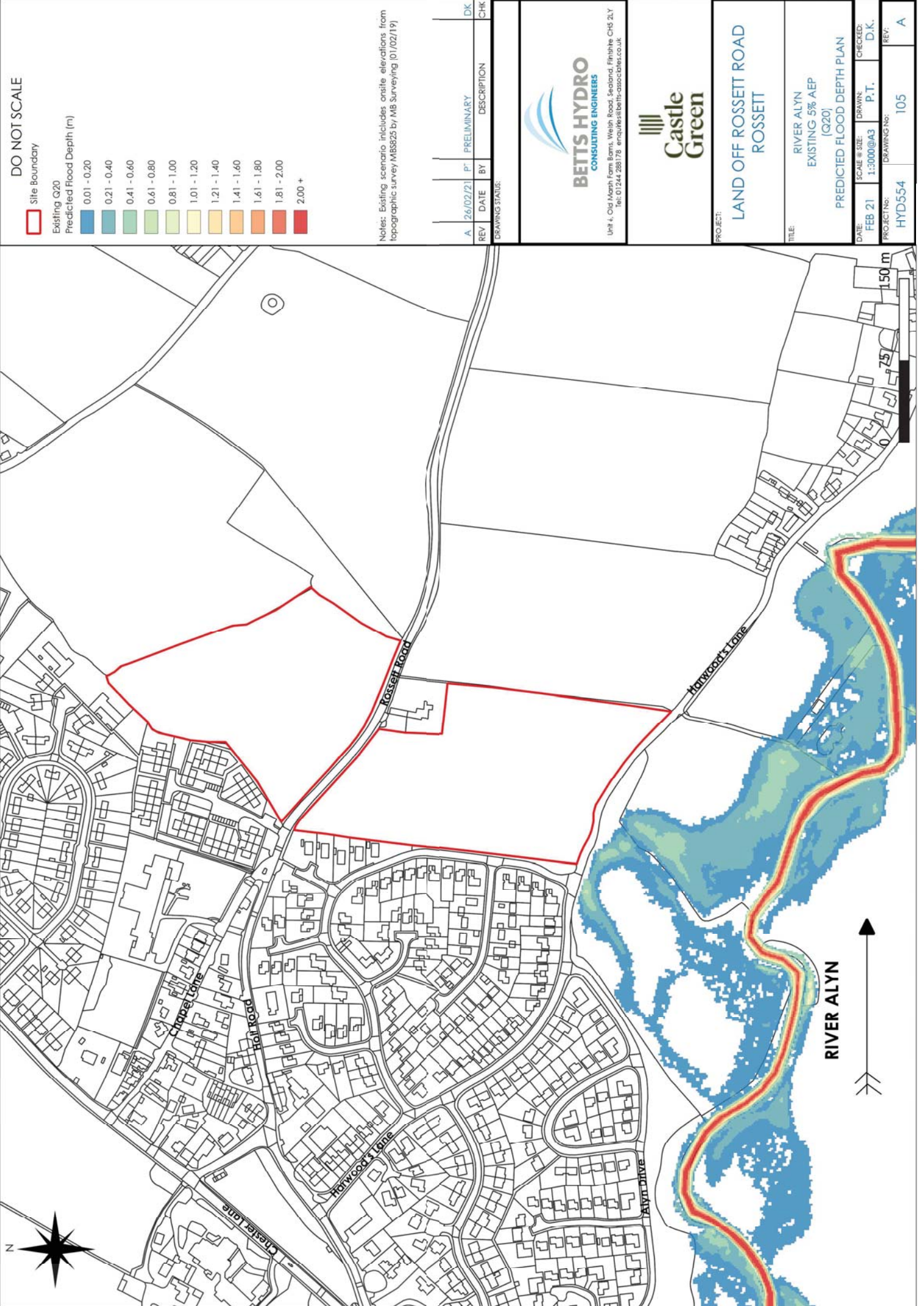
Unit 4, Old Mersh Farm Barns, Welsh Road, Sealand, Fintona CH5 2LY
Tel: 01244 288178 email: betts@betts-associates.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
**RIVER ALYN
EXISTING 10% AEP
(Q10)
PREDICTED TOP WATER LEVEL PLAN**

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	104	A	



DO NOT SCALE

Site Boundary

Existing Q20

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK



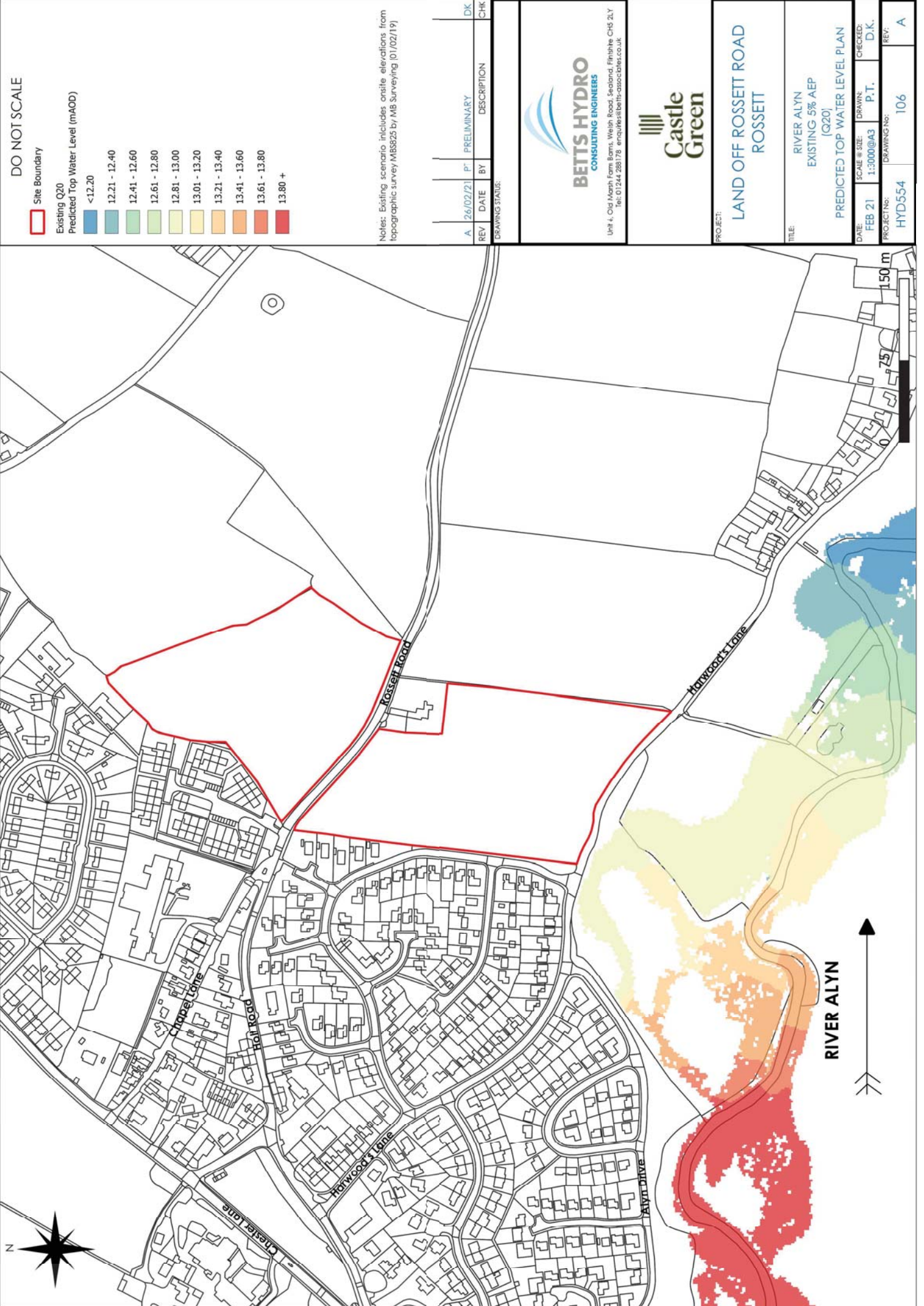
BETTS HYDRO
CONSULTING ENGINEERS

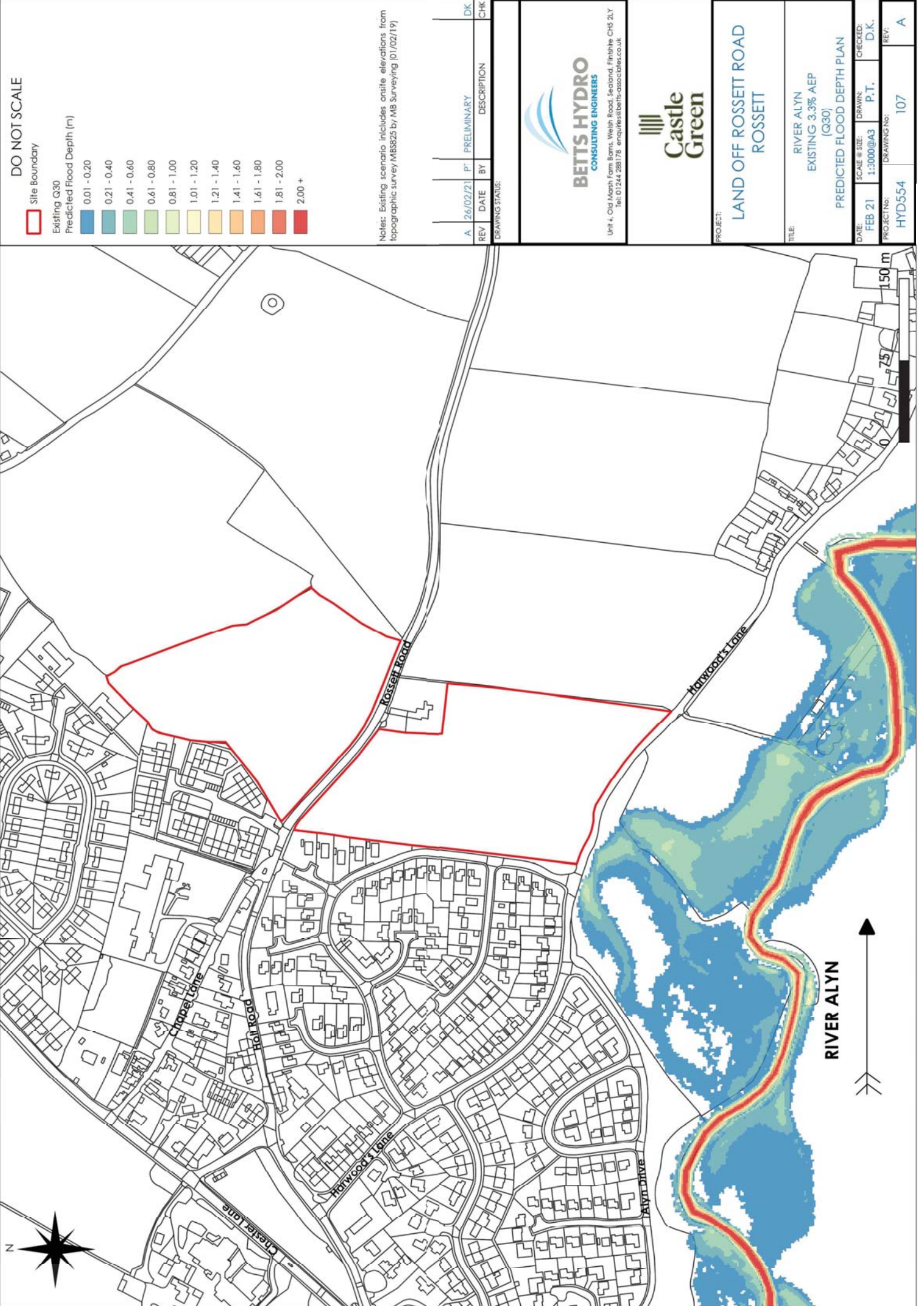


**Castle
Green**

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

PROJECT:				LAND OFF ROSSETT ROAD ROSSETT			
TITLE:				RIVER ALYN EXISTING 5% AEP (Q20) PREDICTED FLOOD DEPTH PLAN			
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	PROJECT No:	DRAWING No:	REV:	
FEB 21	1:3000@A3	P.T.	D.K.	HYD554	105		A





DO NOT SCALE

Site Boundary

Existing Q30

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK



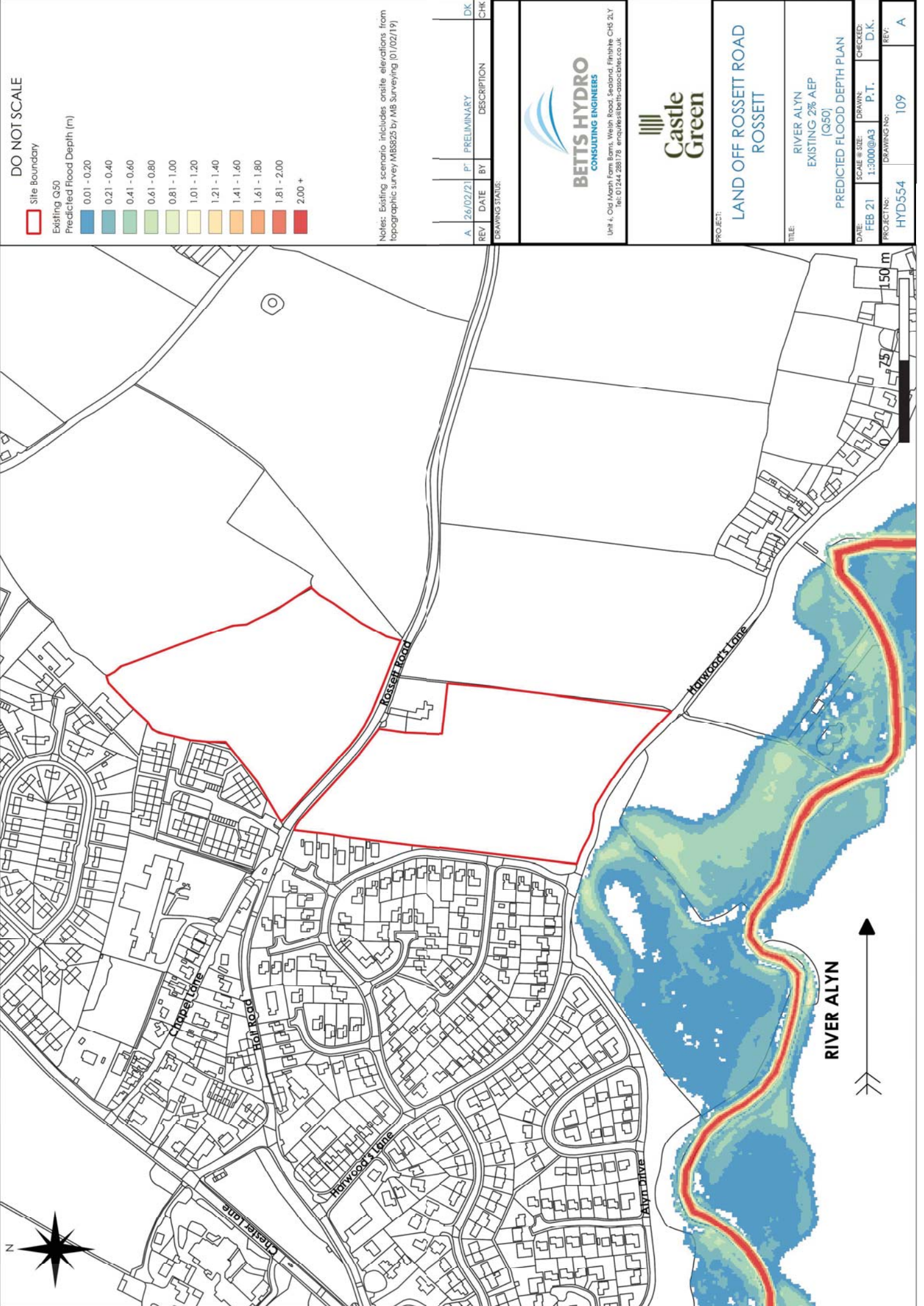
BETTS HYDRO
CONSULTING ENGINEERS



**Castle
Green**

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 email: enquiries@betts-hydro.co.uk

PROJECT:		LAND OFF ROSSETT ROAD ROSSETT	
TITLE:		RIVER ALYN EXISTING 3.3% AEP (Q30) PREDICTED FLOOD DEPTH PLAN	
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	107	A	



DO NOT SCALE

Site Boundary

Existing Q50

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO

CONSULTING ENGINEERS

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 • enquiries@betts-hydro.co.uk

Castle Green

PROJECT:

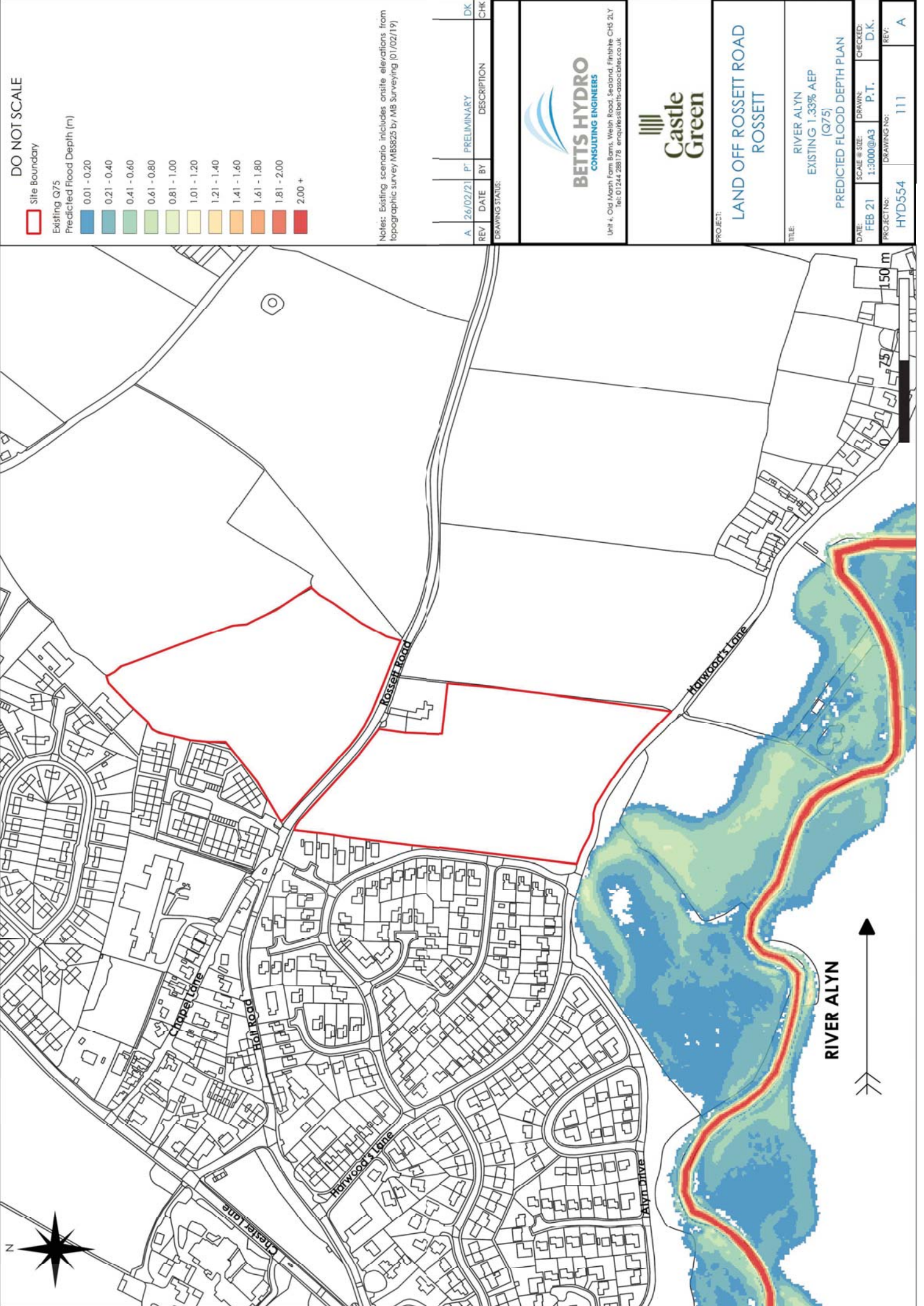
LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
EXISTING 2% AEP
(Q50)
PREDICTED FLOOD DEPTH PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.

PROJECT No:	DRAWING No:	REV:
HYD554	109	A



DO NOT SCALE

Site Boundary

Existing Q75

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	P	PRELIMINARY	DK

DRAWING STATUS:



Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 e: enquiries@botts-associates.co.uk



PROJECT:

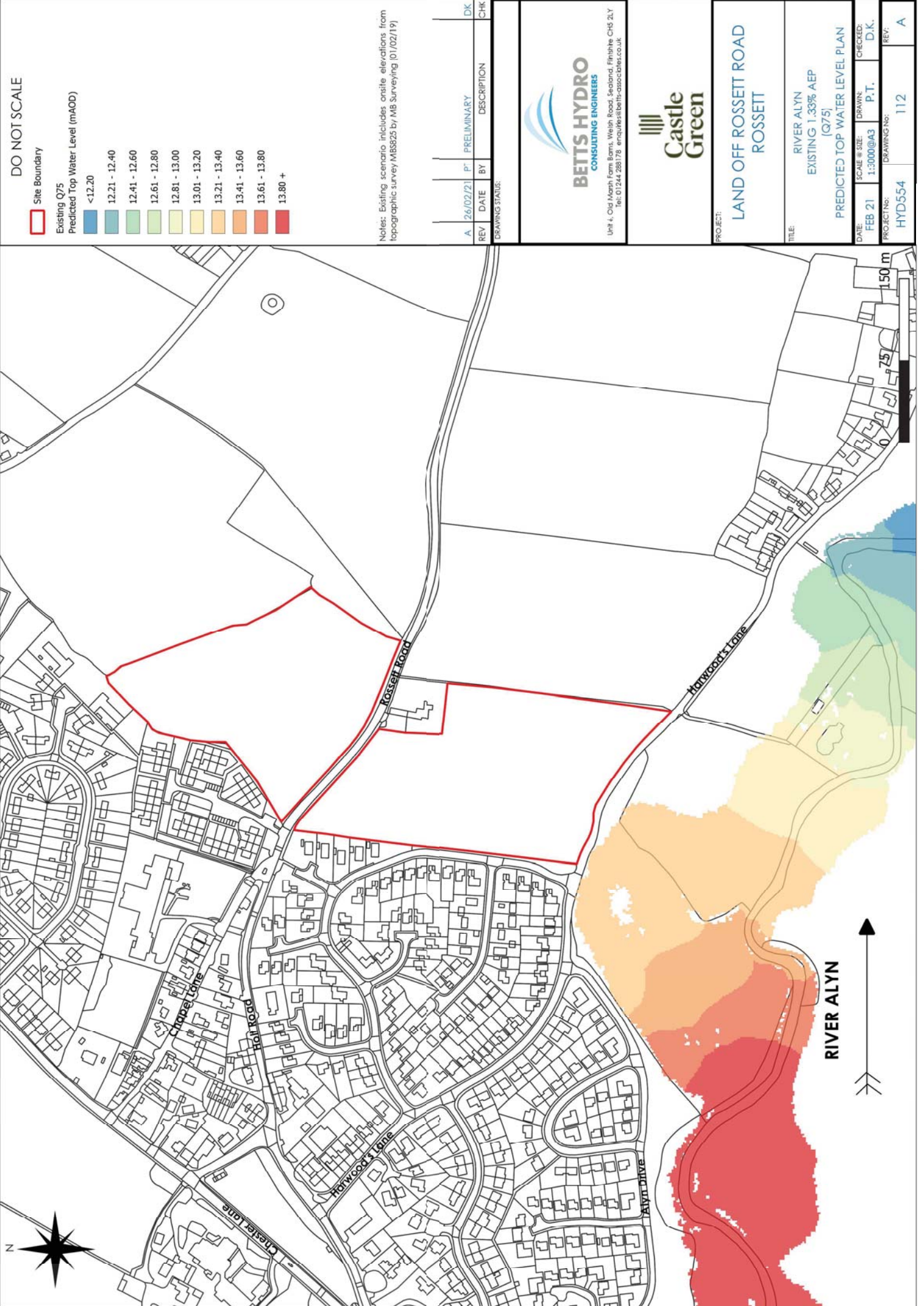
LAND OFF ROSSETT ROAD
ROSSETT

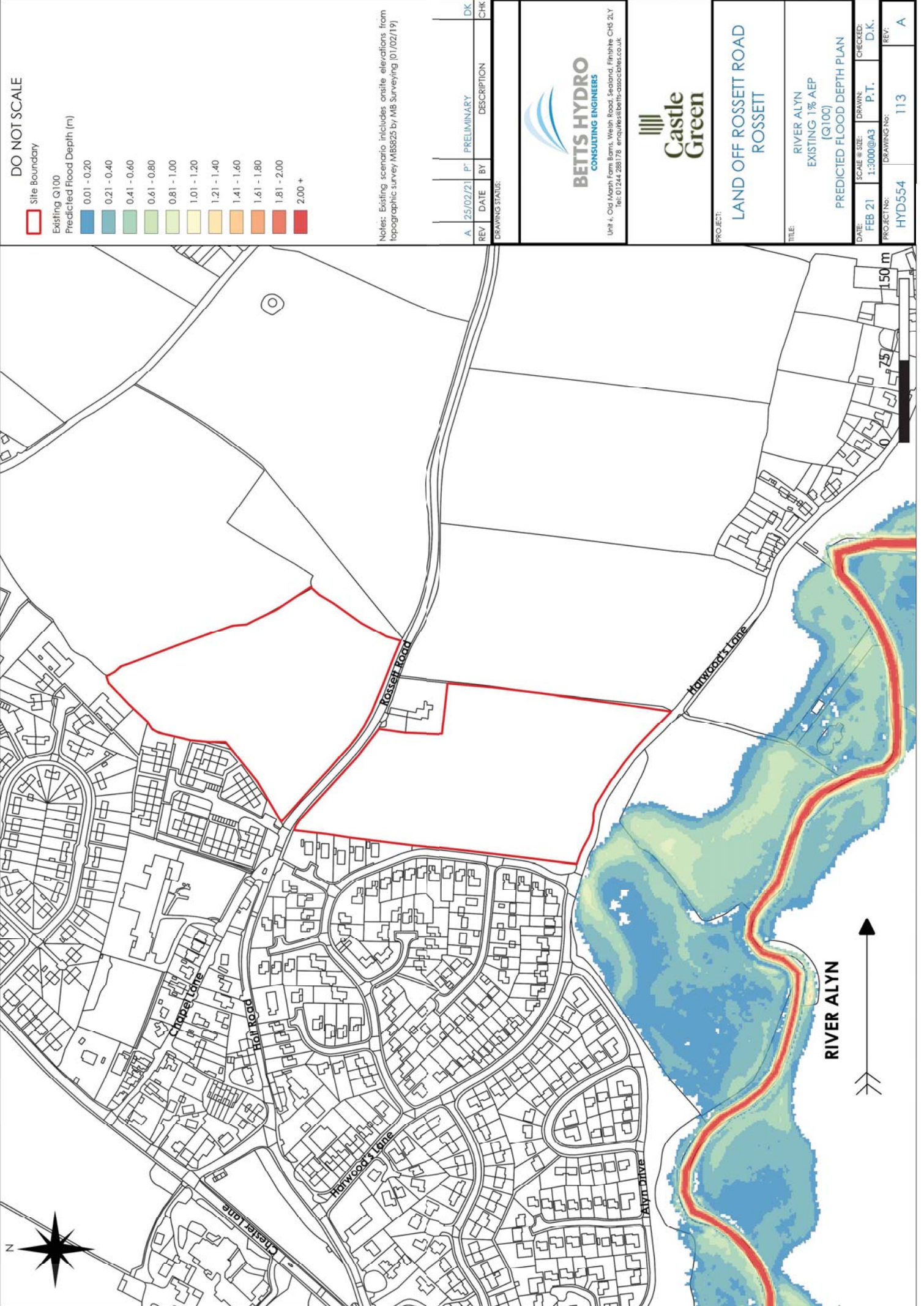
TITLE:

RIVER ALYN
EXISTING 1.33% AEP
(Q75)

PREDICTED FLOOD DEPTH PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	111	A	





DO NOT SCALE

Site Boundary

Existing Q100

Predicted Flood Depth (m)

- 0.01 - 0.20
- 0.21 - 0.40
- 0.41 - 0.60
- 0.61 - 0.80
- 0.81 - 1.00
- 1.01 - 1.20
- 1.21 - 1.40
- 1.41 - 1.60
- 1.61 - 1.80
- 1.81 - 2.00
- 2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M8825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK



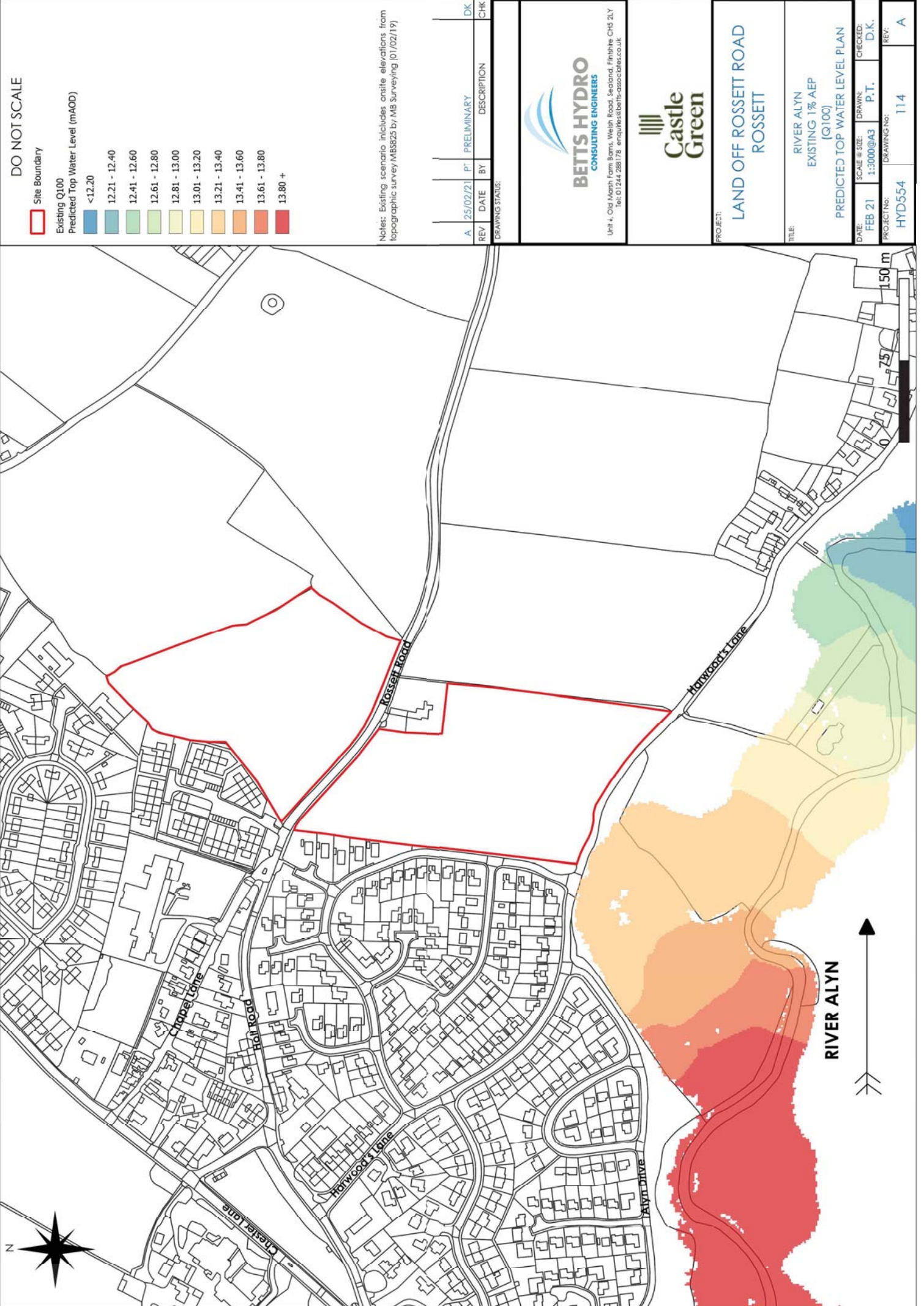
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 email: betts@betts-associates.co.uk

PROJECT:				LAND OFF ROSSETT ROAD ROSSETT			
TITLE:				RIVER ALYN EXISTING 1% AEP [Q100] PREDICTED FLOOD DEPTH PLAN			
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	PROJECT No:	DRAWING No:	REV:	
FEB 21	1:3000@A3	P.T.	D.K.	HYD554	113		A



DO NOT SCALE

Site Boundary

Existing Q100

Predicted Top Water Level (mAOD)

<12.20

12.21 - 12.40

12.41 - 12.60

12.61 - 12.80

12.81 - 13.00

13.01 - 13.20

13.21 - 13.40

13.41 - 13.60

13.61 - 13.80

13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M88525 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO

CONSULTING ENGINEERS

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:

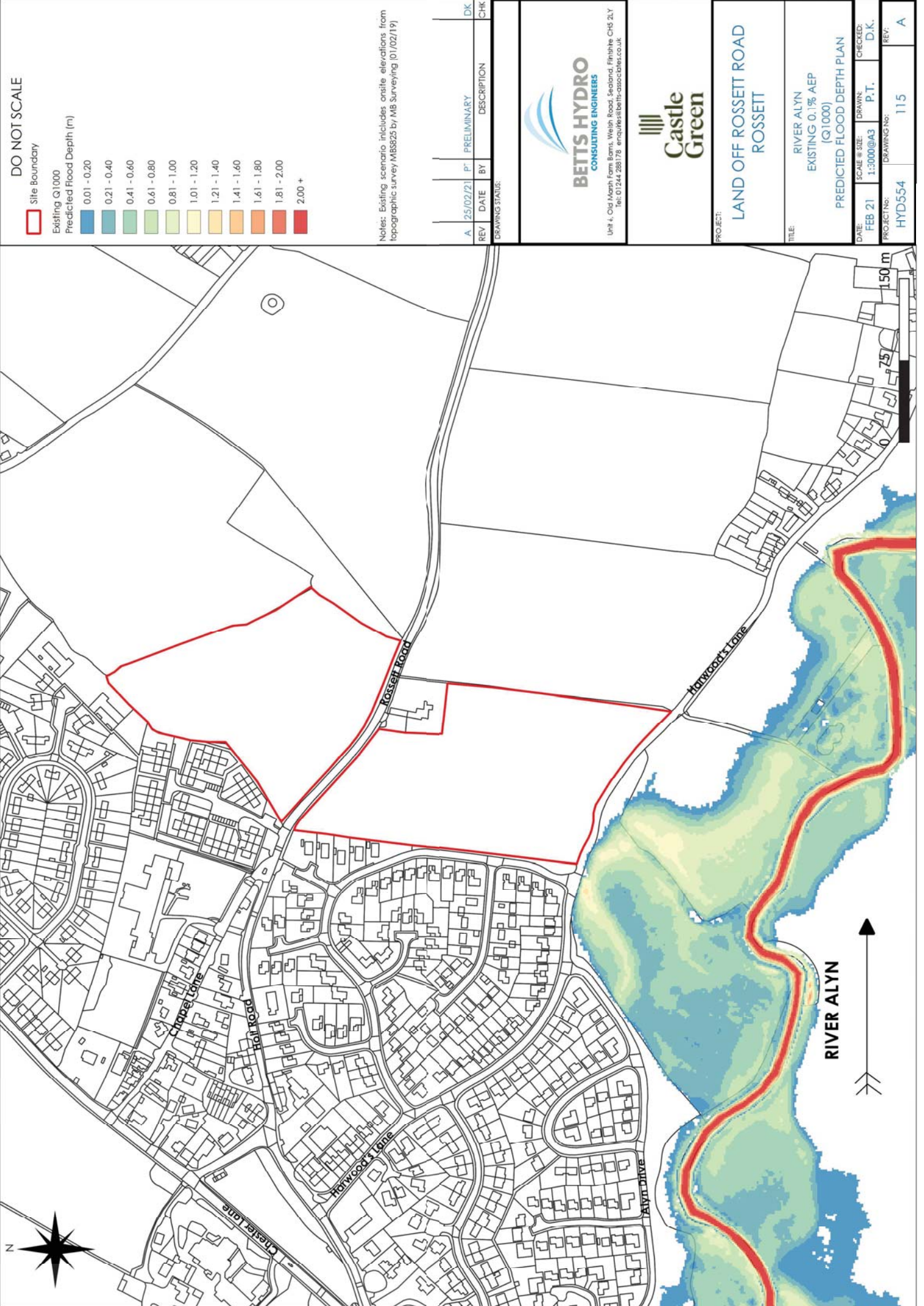
LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
EXISTING 1% AEP
[Q100]
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.

PROJECT No:	DRAWING No:	REV:
HYD554	114	A



DO NOT SCALE

Site Boundary

Existing Q1000
Predicted Flood Depth (m)

- 0.01 - 0.20
- 0.21 - 0.40
- 0.41 - 0.60
- 0.61 - 0.80
- 0.81 - 1.00
- 1.01 - 1.20
- 1.21 - 1.40
- 1.41 - 1.60
- 1.61 - 1.80
- 1.81 - 2.00
- 2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

BETTS HYDRO
CONSULTING ENGINEERS

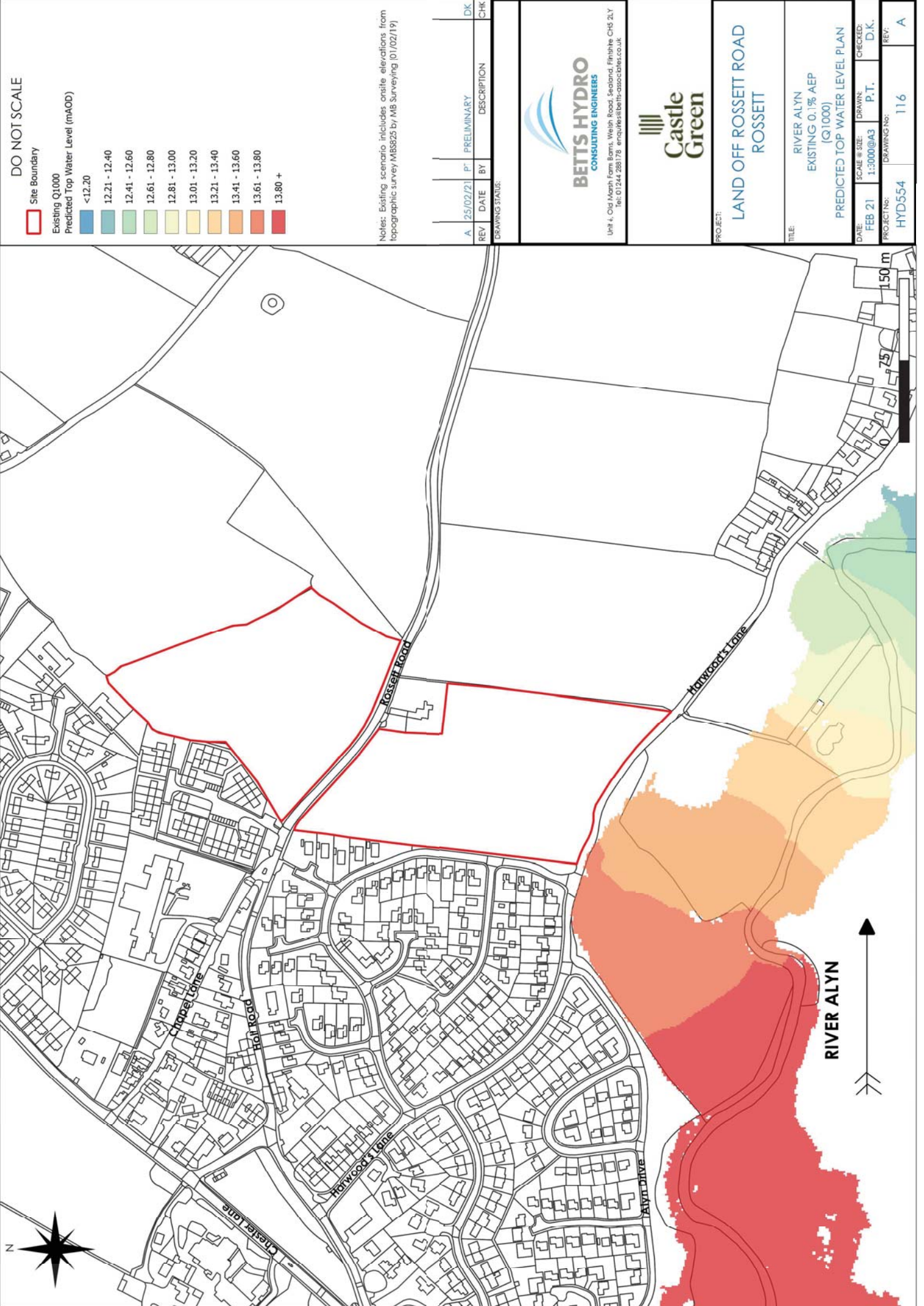
Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
**RIVER ALYN
EXISTING 0.1% AEP
(Q1000)
PREDICTED FLOOD DEPTH PLAN**

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	115	REV:
HYD554			A



DO NOT SCALE

Site Boundary

Existing Q1000

Predicted Top Water Level (maod)

<12.20

12.21 - 12.40

12.41 - 12.60

12.61 - 12.80

12.81 - 13.00

13.01 - 13.20

13.21 - 13.40

13.41 - 13.60

13.61 - 13.80

13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK



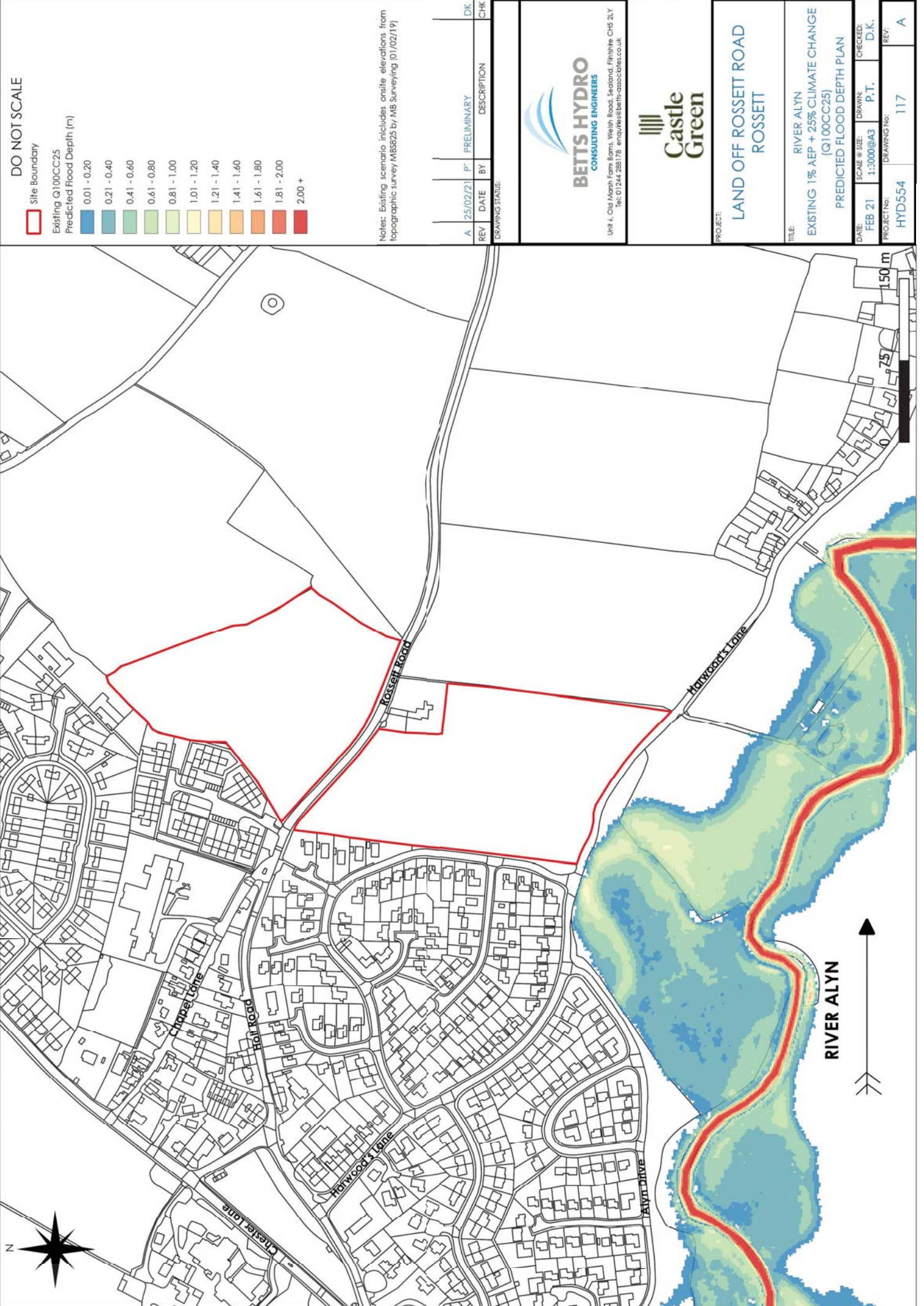
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 email: enquiries@betts-hydro.co.uk

PROJECT: LAND OFF ROSSETT ROAD ROSSETT			
TITLE: RIVER ALYN EXISTING 0.1% AEP (Q1000) PREDICTED TOP WATER LEVEL PLAN			
DATE: FEB 21	SCALE & SIZE: 1:3000@A3	DRAWN: P.T.	CHECKED: D.K.
PROJECT No: HYD554	DRAWING No: 116	REV: A	



DO NOT SCALE

Site Boundary

Existing Q100CC25

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M88825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

DRAWING STATUS:



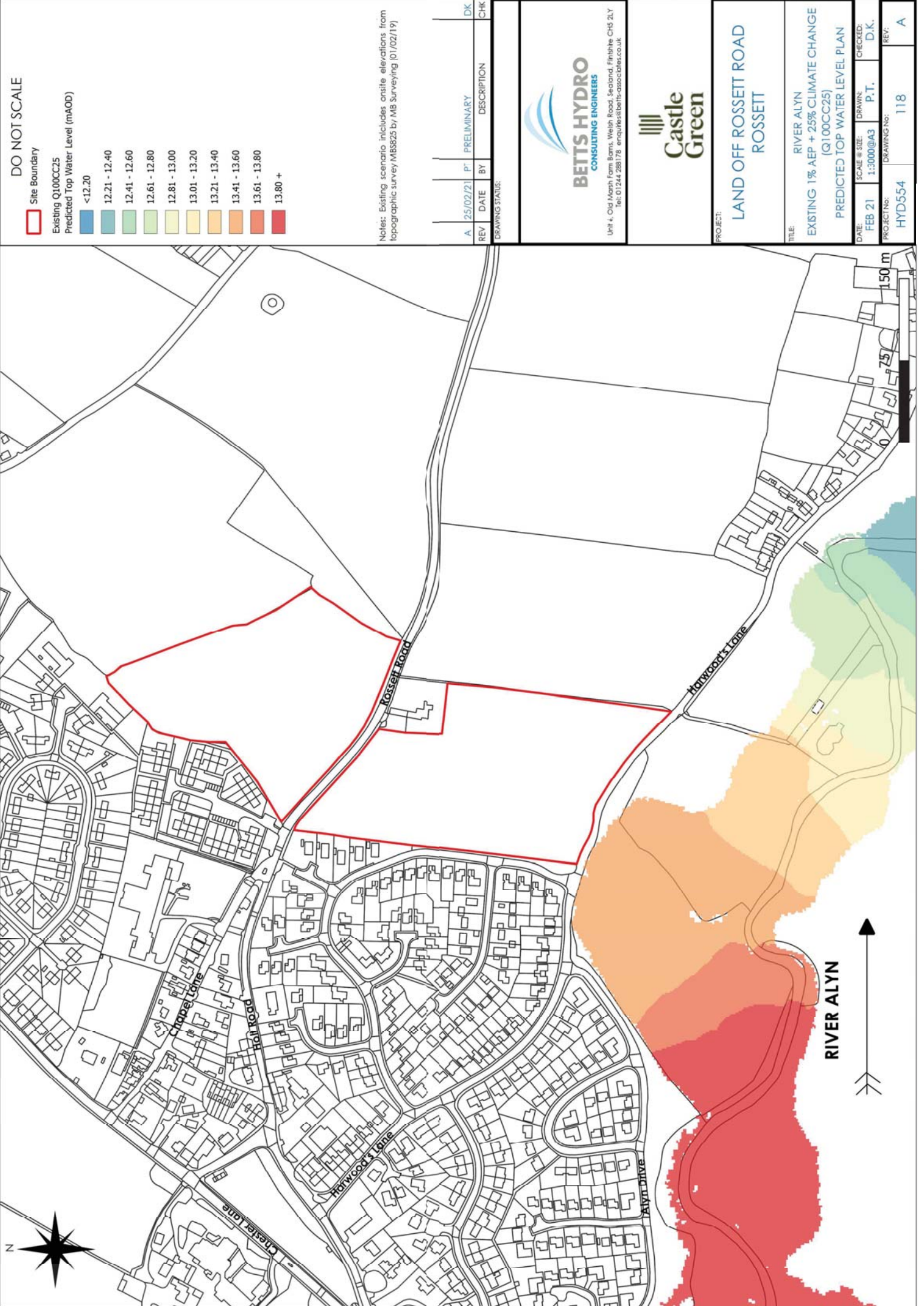
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

PROJECT:				LAND OFF ROSSETT ROAD ROSSETT			
TITLE:				RIVER ALYN EXISTING 1% AEP + 25% CLIMATE CHANGE (Q100CC25) PREDICTED FLOOD DEPTH PLAN			
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	PROJECT No:	DRAWING No:	REV:	
FEB 21	1:3000@A3	P.T.	D.K.	HYD554	117		A



DO NOT SCALE



Existing Q100CC25
Predicted Top Water Level (mAOD)

- <12.20
- 12.21 - 12.40
- 12.41 - 12.60
- 12.61 - 12.80
- 12.81 - 13.00
- 13.01 - 13.20
- 13.21 - 13.40
- 13.41 - 13.60
- 13.61 - 13.80
- 13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M88525 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

DRAWING STATUS:



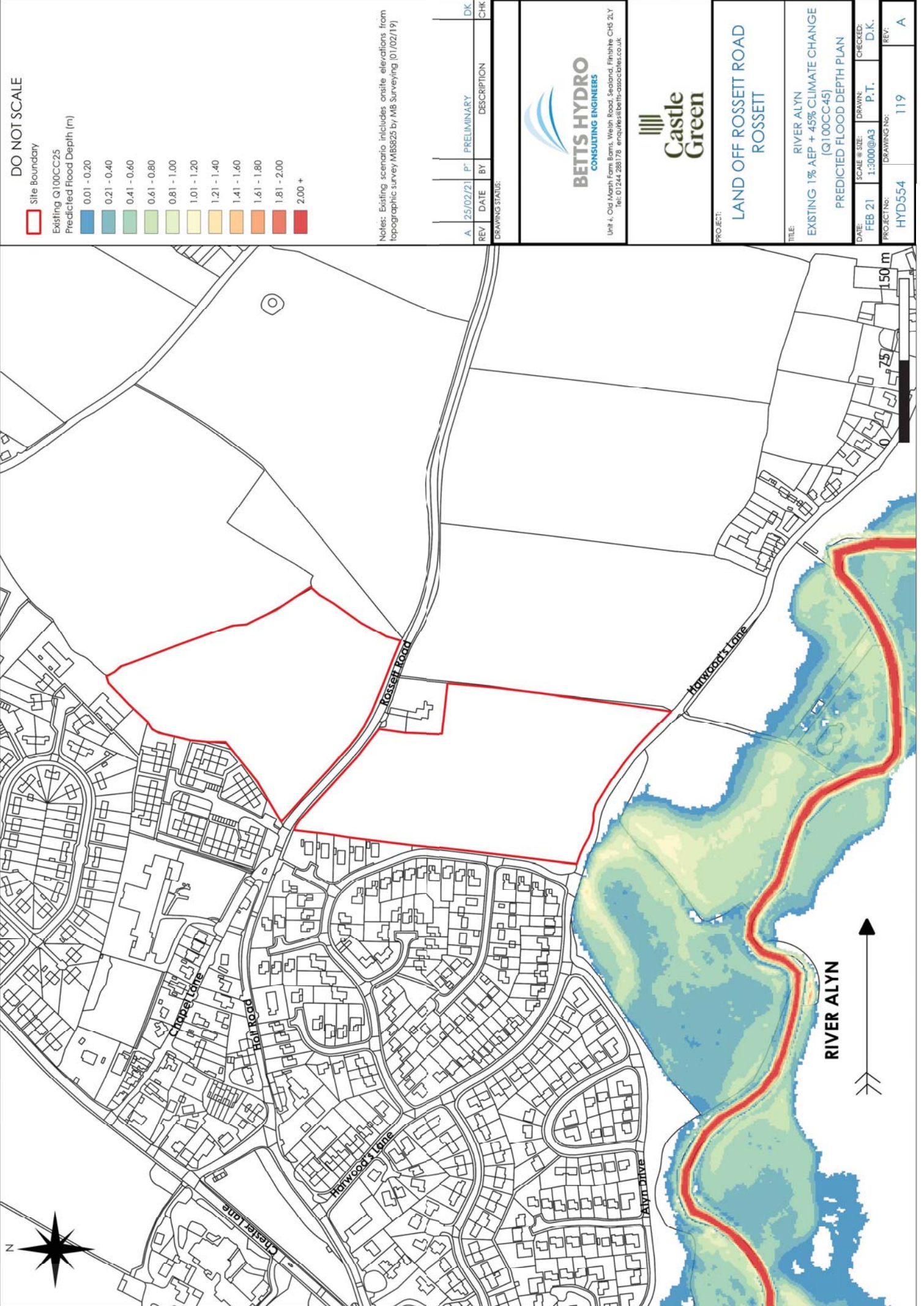
Unit 4, Old Mersh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk



PROJECT:
LAND OFF ROSSETT ROAD
ROSSETT

TITLE:
RIVER ALYN
EXISTING 1% AEP + 25% CLIMATE CHANGE
(Q100CC25)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	118	A	



DO NOT SCALE

Site Boundary

Existing Q100CC25

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

BETTS HYDRO
CONSULTING ENGINEERS

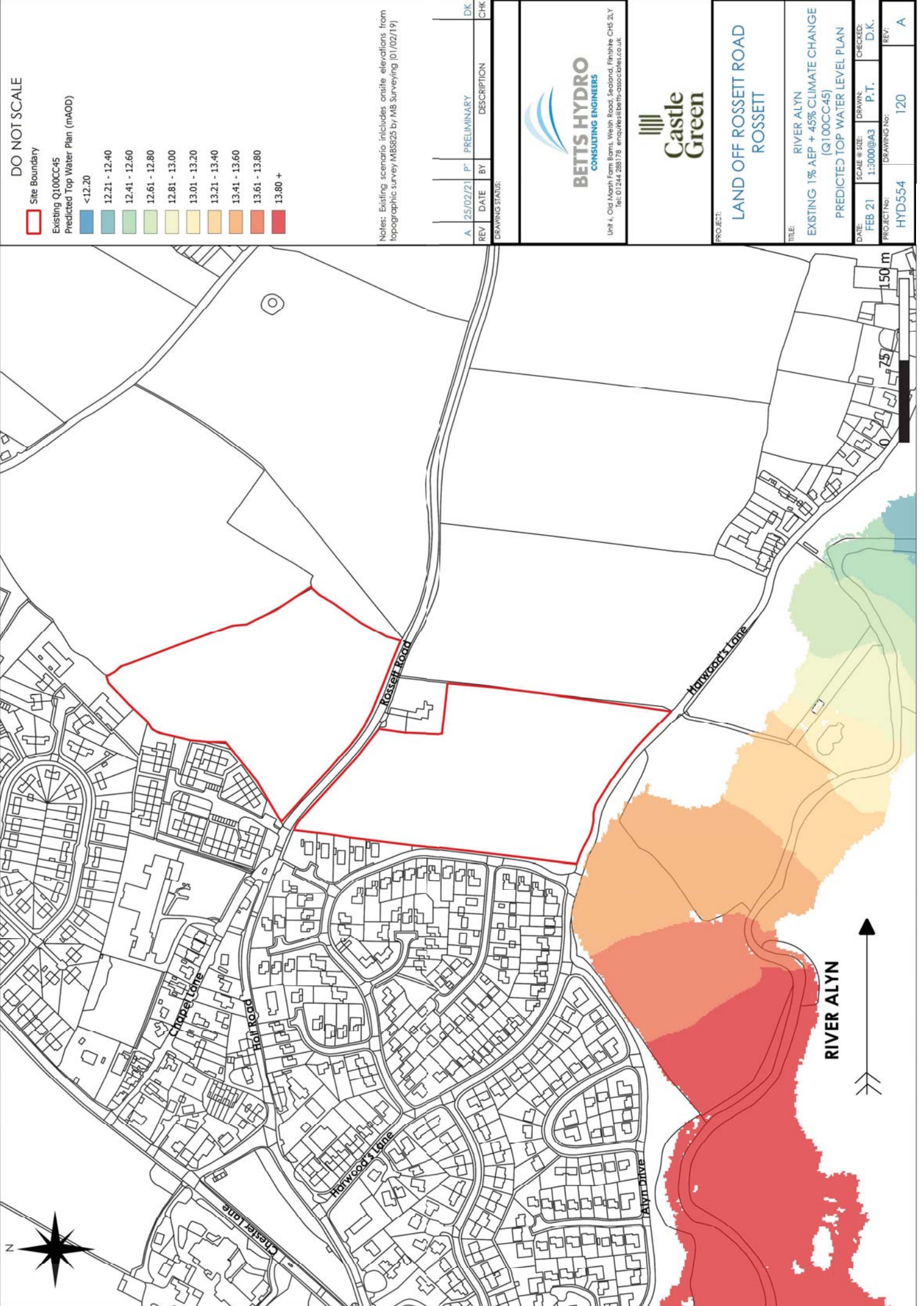
Unit 4, Old Maph Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

PROJECT: LAND OFF ROSSETT ROAD
ROSSETT

TITLE: RIVER ALYN
EXISTING 1% AEP + 45% CLIMATE CHANGE
(Q100CC45)
PREDICTED FLOOD DEPTH PLAN

DATE: FEB 21	SCALE & SIZE: 1:3000@A3	DRAWN: P.T.	CHECKED: D.K.
PROJECT No: HYD554	DRAWING No: 119	REV: A	



DO NOT SCALE

Site Boundary

Existing Q100CC45

Predicted Top Water Plan (mAOD)

<12.20

12.21 - 12.40

12.41 - 12.60

12.61 - 12.80

12.81 - 13.00

13.01 - 13.20

13.21 - 13.40

13.41 - 13.60

13.61 - 13.80

13.80 +

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	P	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO
CONSULTING ENGINEERS

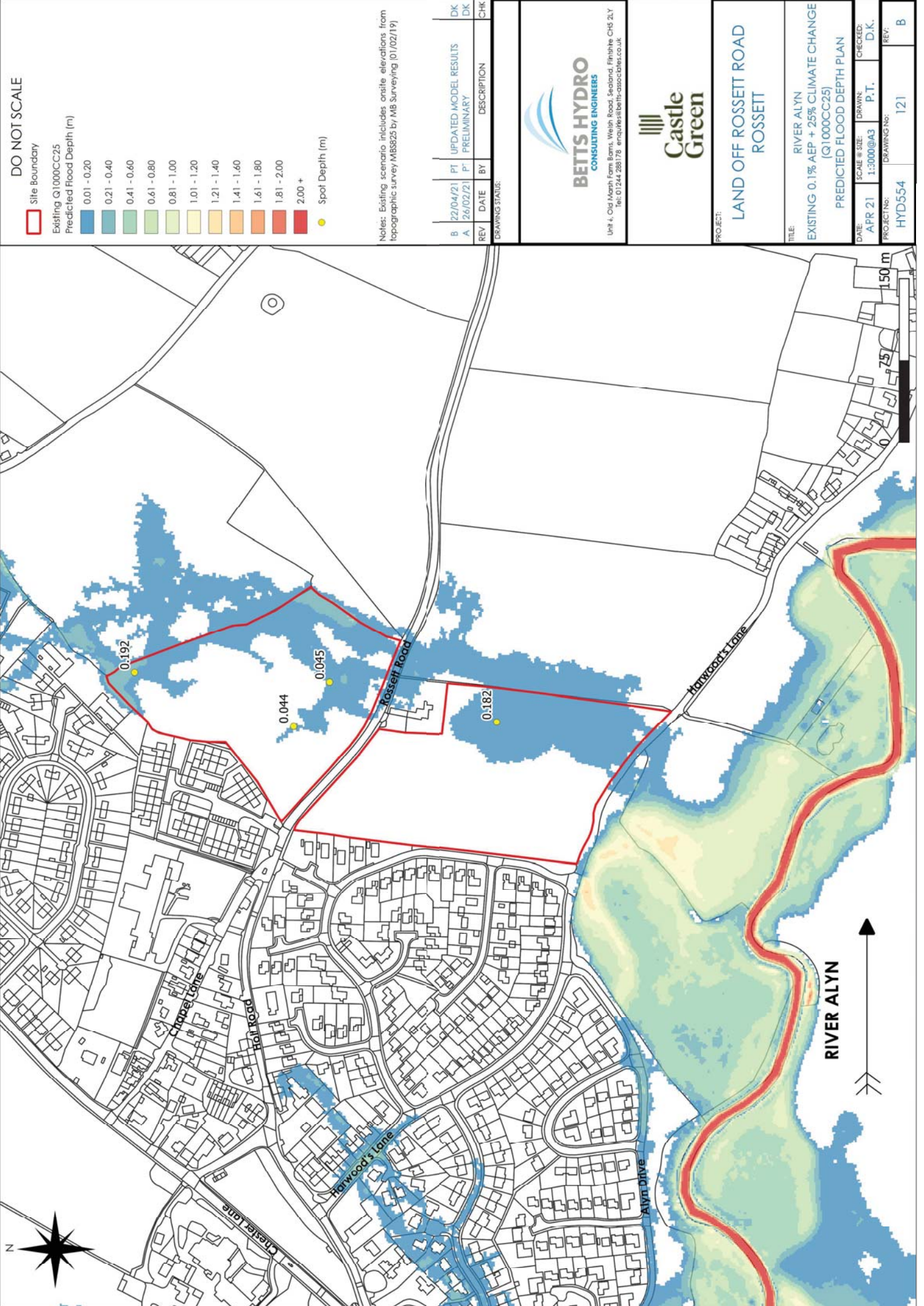
Unit 4, Old Mersh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 email: betts@betts-associates.co.uk

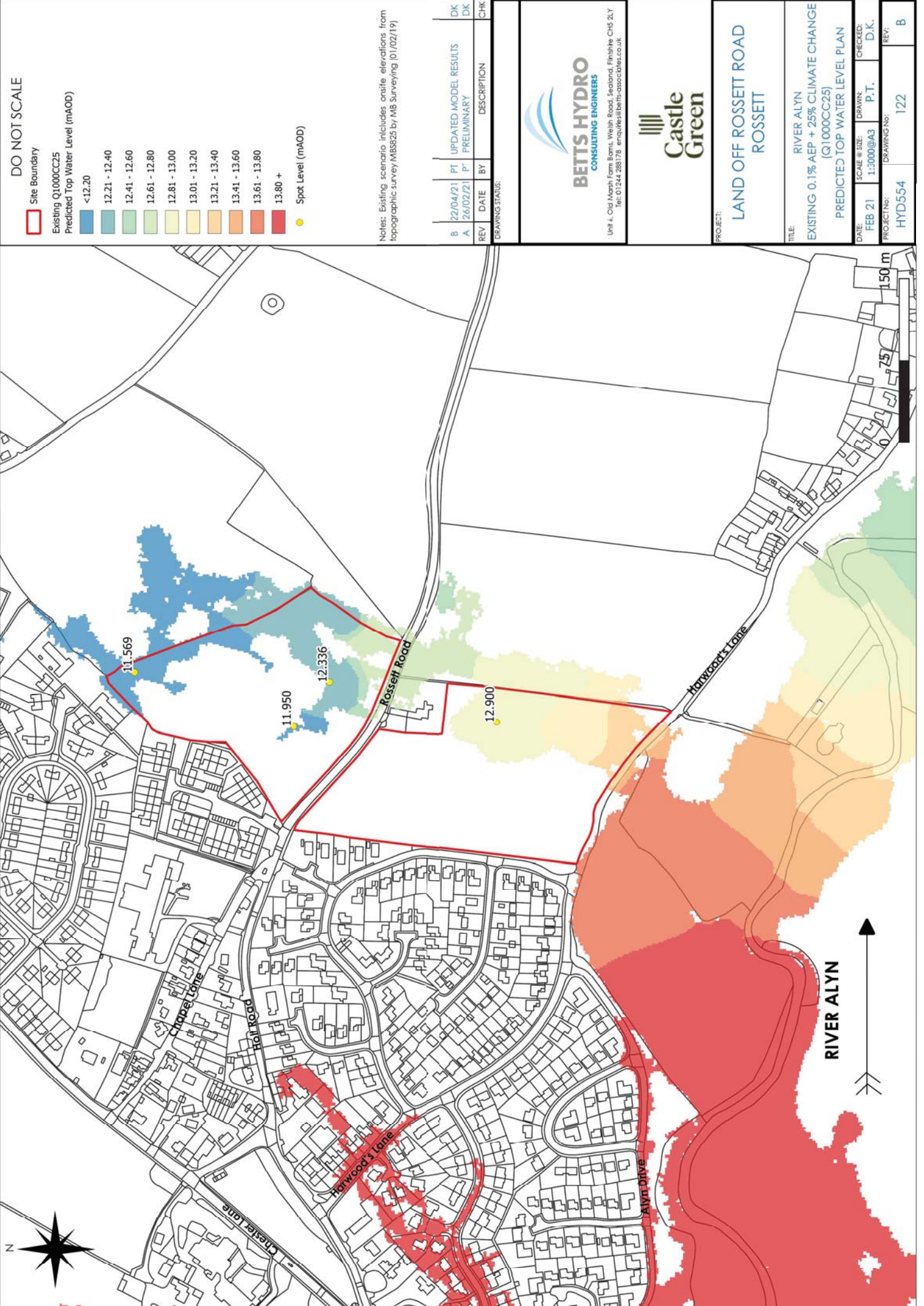
Castle Green

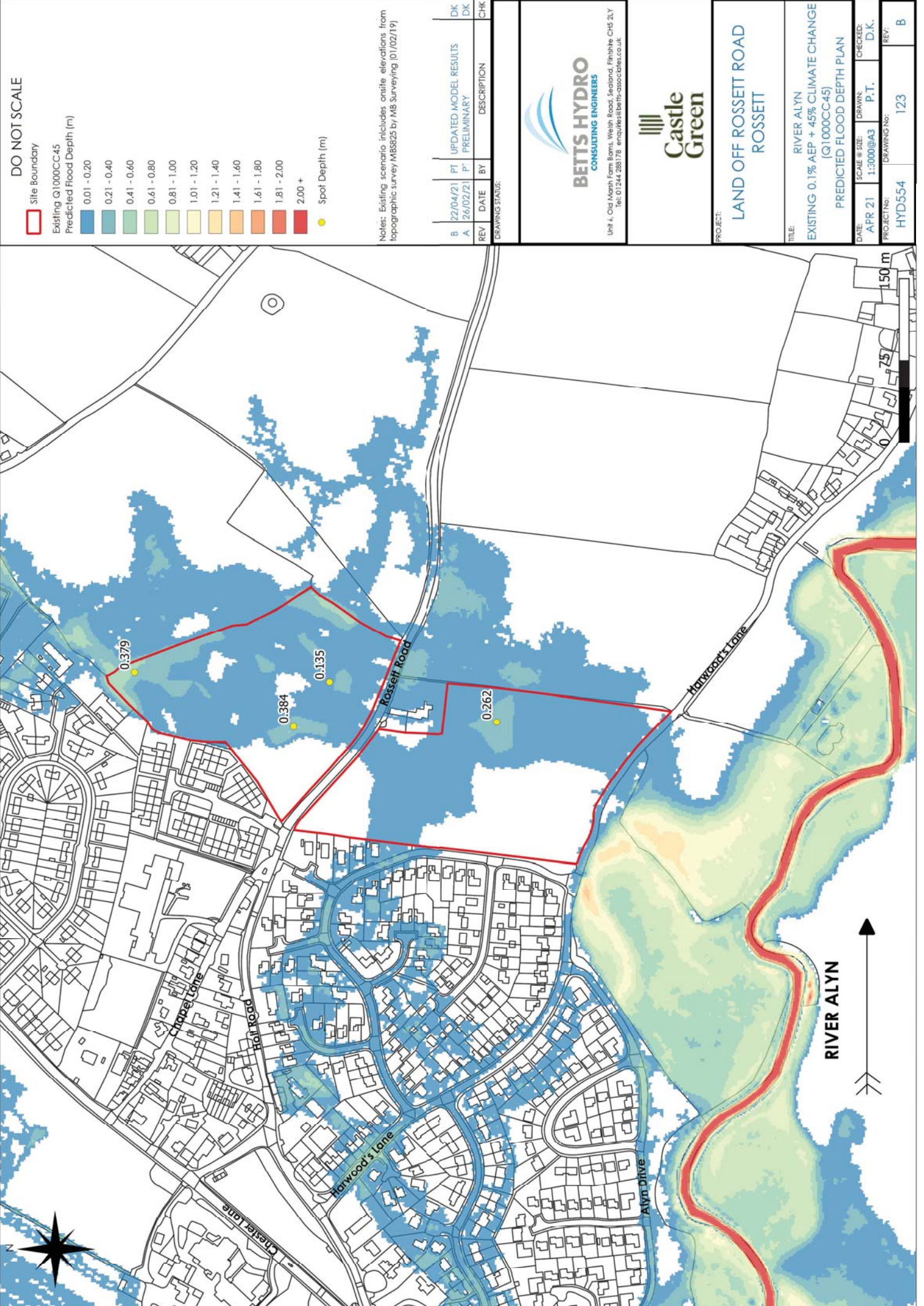
PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

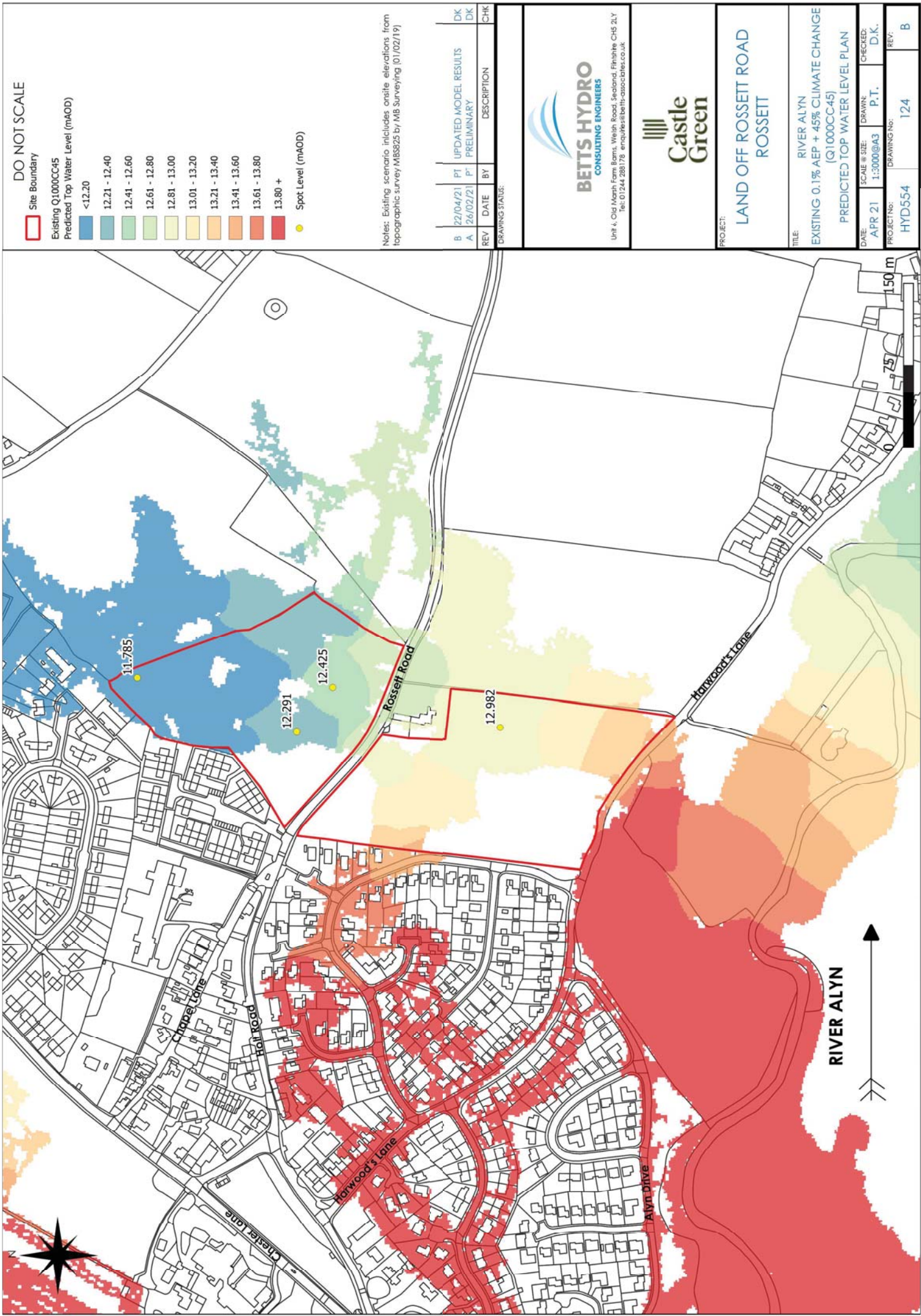
TITLE:
**RIVER ALYN
EXISTING 1% AEP + 45% CLIMATE CHANGE
(Q100CC45)
PREDICTED TOP WATER LEVEL PLAN**

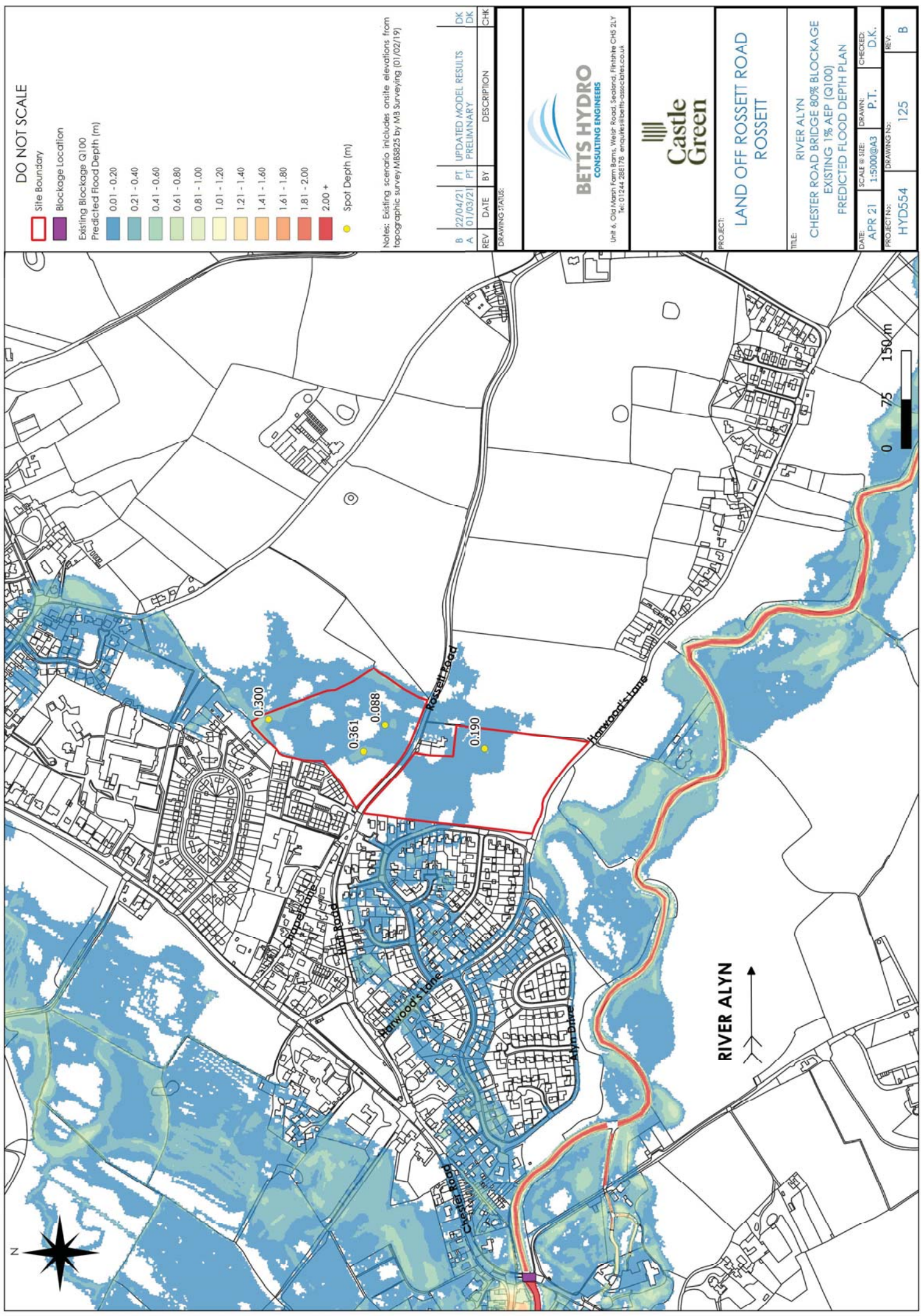
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT No:	DRAWING No:	REV:	
HYD554	120	A	











DO NOT SCALE

Site Boundary

Blockage Location

Existing Blockage Q100

Predicted Flood Depth (m)

0.01 - 0.20

0.21 - 0.40

0.41 - 0.60

0.61 - 0.80

0.81 - 1.00

1.01 - 1.20

1.21 - 1.40

1.41 - 1.60

1.61 - 1.80

1.81 - 2.00

2.00 +

Spot Depth (m)

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by M3 Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
B	22/04/21	PT	UPDATED MODEL RESULTS	DK
A	01/03/21	PT	PRELIMINARY	DK

BETTS HYDRO

CONSULTING ENGINEERS

Unit 6, Old Marsh Farm Barns, Weir Road, Sealand, Flintshire CH5 2LY
Tel: 01244 285176 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
EXISTING 1% AEP (Q100)
PREDICTED FLOOD DEPTH PLAN

DATE:

SCALE & SITE:

DRAWN:

CHECKED:

PROJECT NO:

DRAWING NO:

REV:

APR 21

1:5000@A3

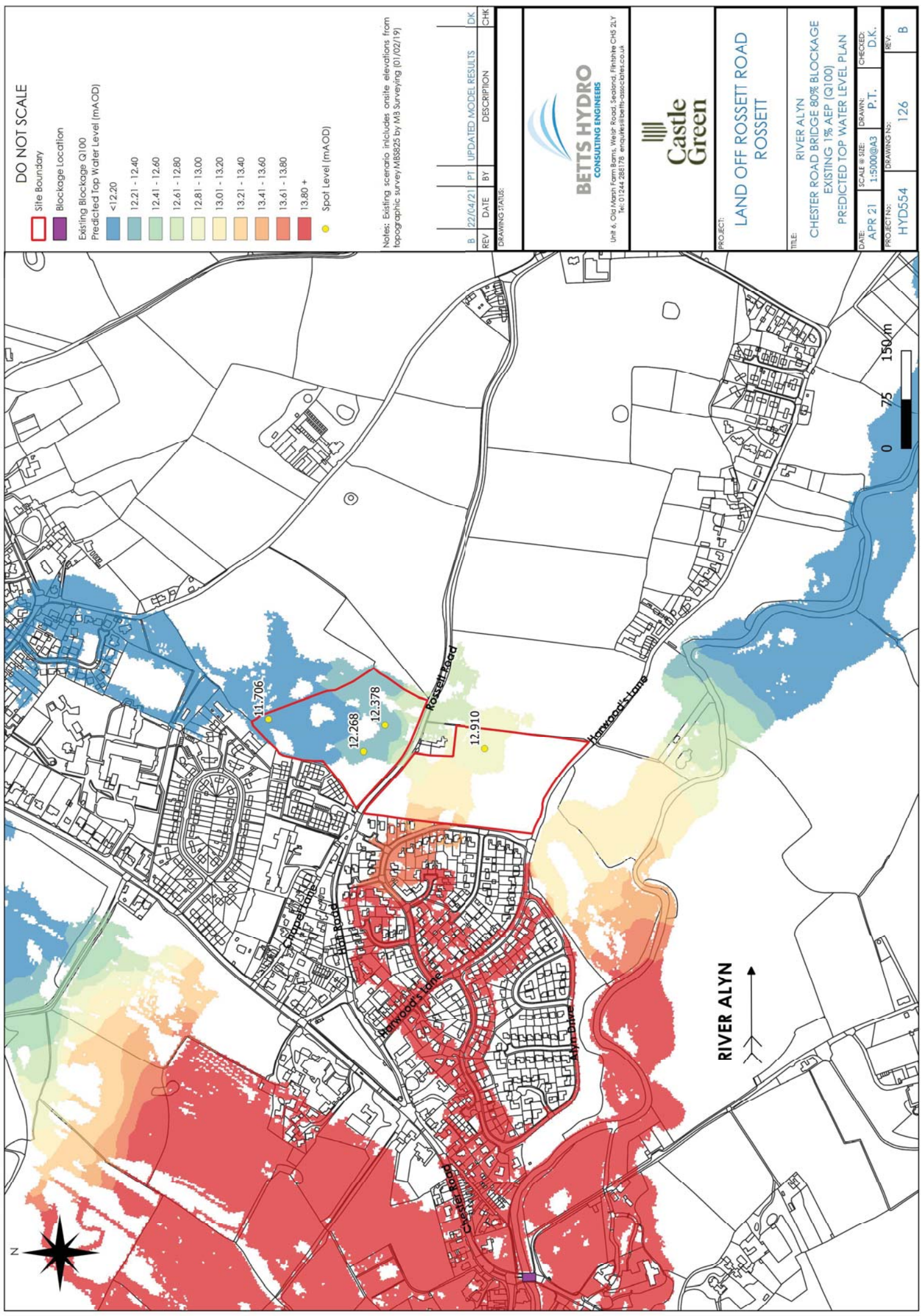
P.T.

D.K.

HYD554

125

B



DO NOT SCALE

Site Boundary

Blockage Location

Existing Blockage Q100

Predicted Top Water Level (mAOD)

<12.20

12.21 - 12.40

12.41 - 12.60

12.61 - 12.80

12.81 - 13.00

13.01 - 13.20

13.21 - 13.40

13.41 - 13.60

13.61 - 13.80

13.80 +

Spot Level (mAOD)

Notes: Existing scenario includes onsite elevations from topographic survey M85825 by M3 Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
B	22/04/21	PT	UPDATED MODEL RESULTS	DK

DRAWING STATUS

BETTS HYDRO

CONSULTING ENGINEERS

Unit 6, Old Marsh Farm Barns, Weljor Road, Sealand, Flintshire CH5 2LY
Tel: 01244 285175 enquiries@betts-hydro.co.uk

Castle Green

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
CHESTER ROAD BRIDGE 80% BLOCKAGE
EXISTING 1% AEP (Q100)
PREDICTED TOP WATER LEVEL PLAN

DATE:

SCALE & SIZE:

DRAWN:

P.T.

D.K.

PROJECT NO:

DRAWING NO:

REV:

APR 21

1:5000@A3

HYD554

126

B

