

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

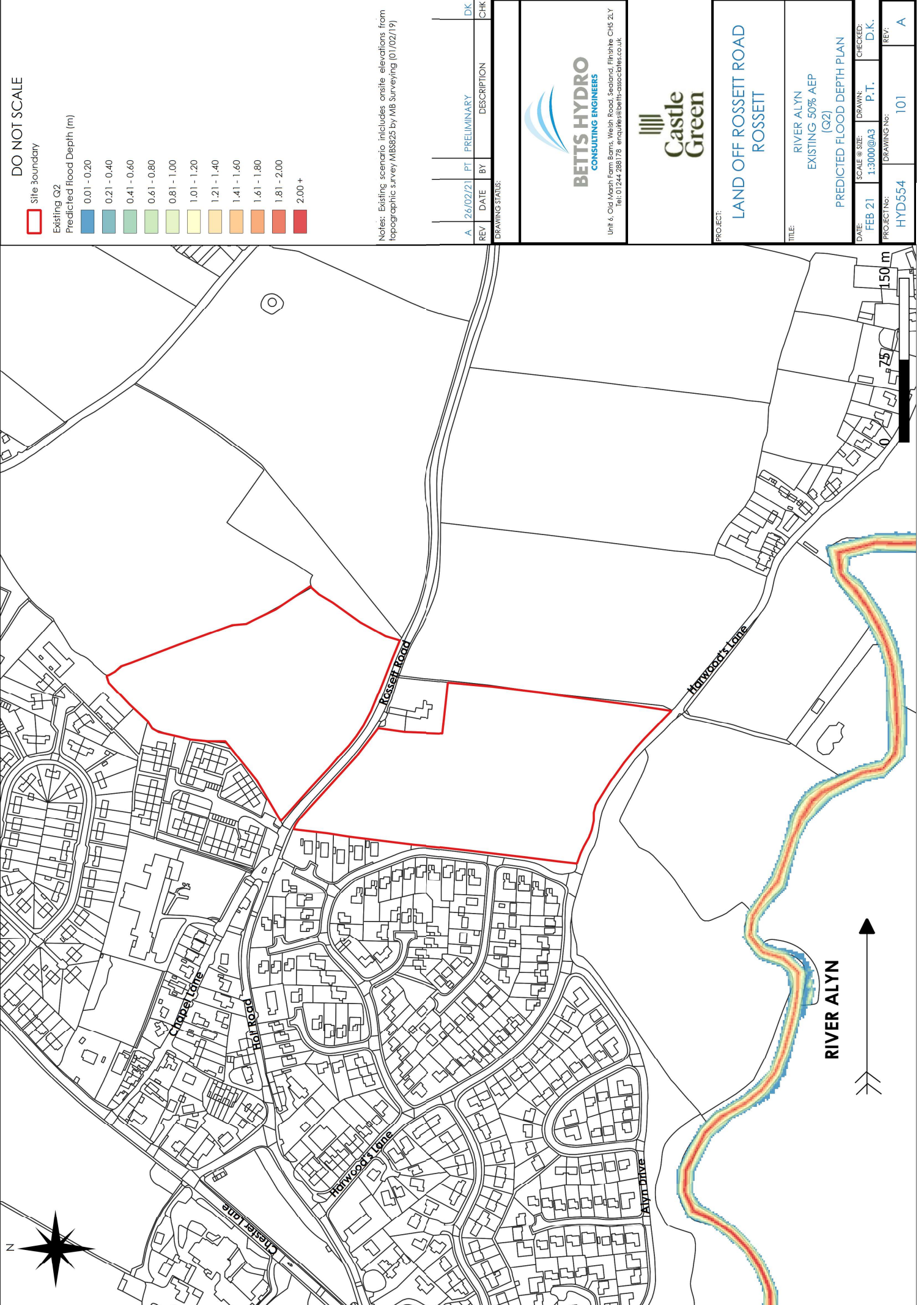
Drawing no. HYD554/117/B 1 IN 100CC20 YEAR EXISTING FLOOD DEPTH
Drawing no. HYD554/118/B 1 IN 100CC20 YEAR EXISTING FLOOD LEVEL

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. HYD554/127/B 1 IN 100CC20 YEAR EXISTING BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/128/B 1 IN 100CC20 YEAR EXISTING BLOCKAGE FLOOD LEVEL

Drawing no. HYD554/133/A 1 IN 1000 YEAR EXISTING BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/134/A 1 IN 1000 YEAR EXISTING BLOCKAGE FLOOD LEVEL

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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 MBS925 by MB Surveying (01/02/19)

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

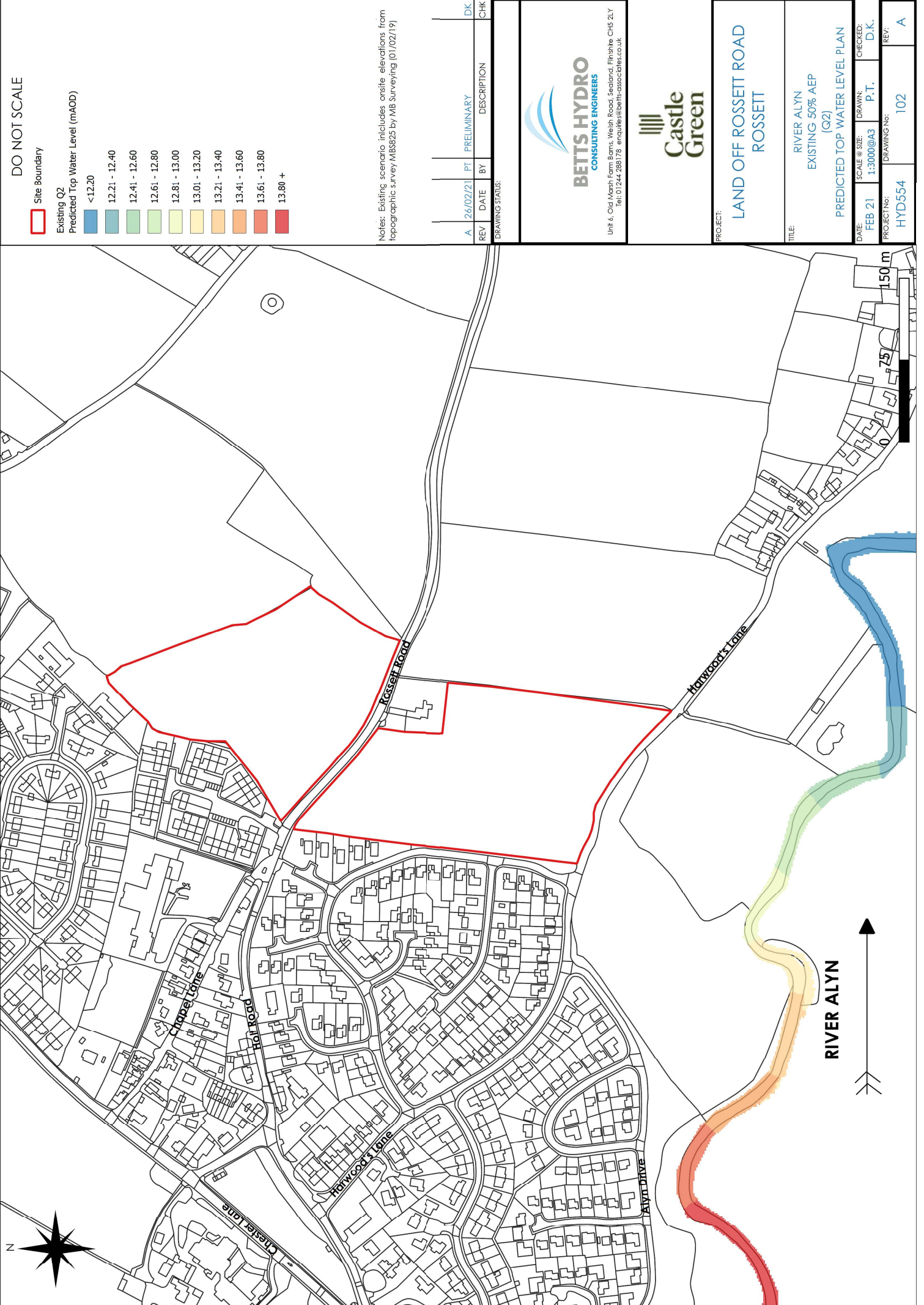
DRAWING STATUS:

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 286176 enquiries@betts-hydro.co.uk

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 (m AOD)
- <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 MBS925 by MB Surveying (01/02/19)

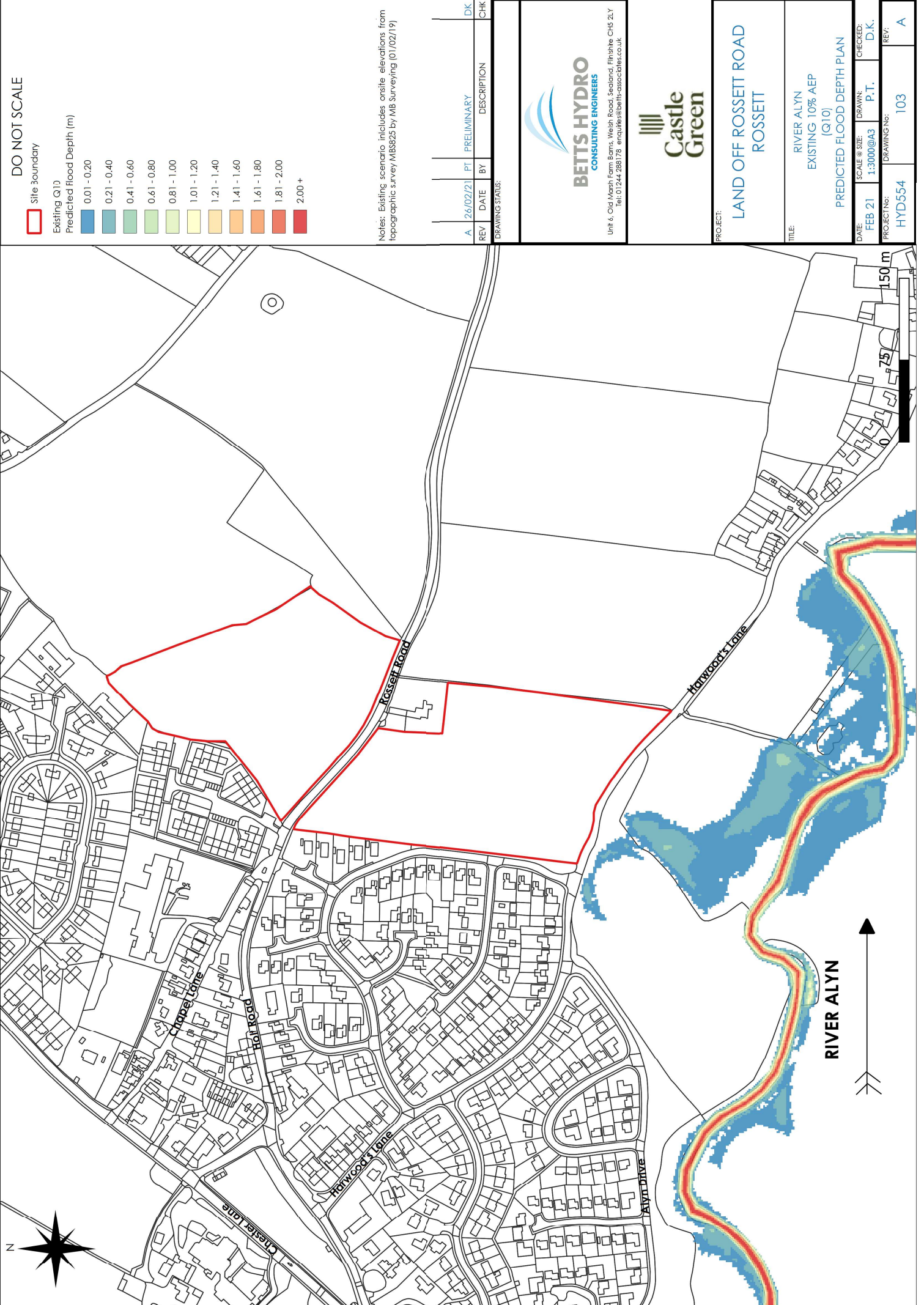
REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

Unit 6, Old Marsh 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 50% AEP
(Q2)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	102	REV:
HYD554			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 MBS925 by MB Surveying (01/02/19)

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

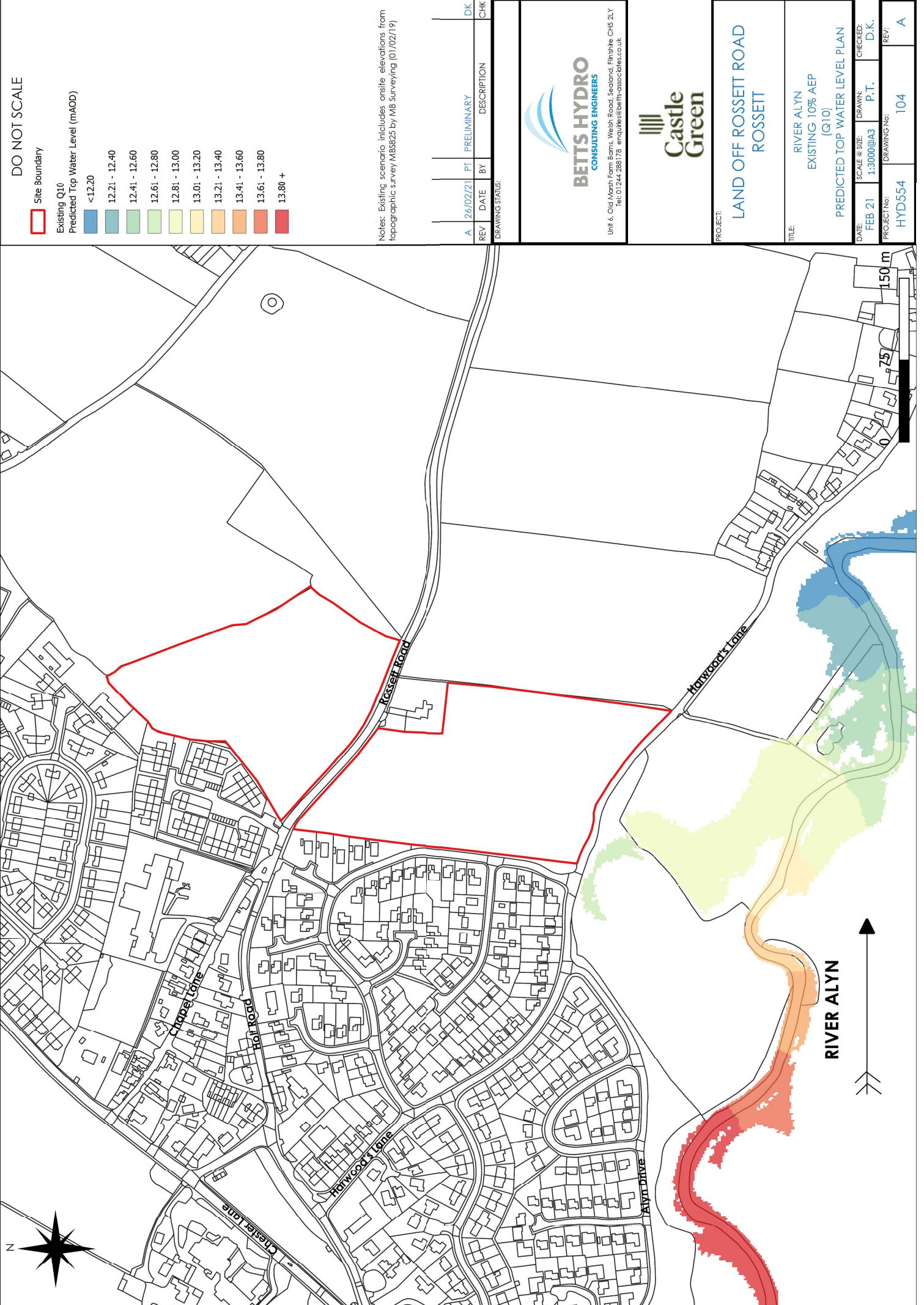
DRAWING STATUS:

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 285178 enquiries@betts-associates.co.uk

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:	103	REV:
HYD554			A



DO NOT SCALE

- Site Boundary
- Existing Q10
- Predicted Top Water Level (m AOD)
- <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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				



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



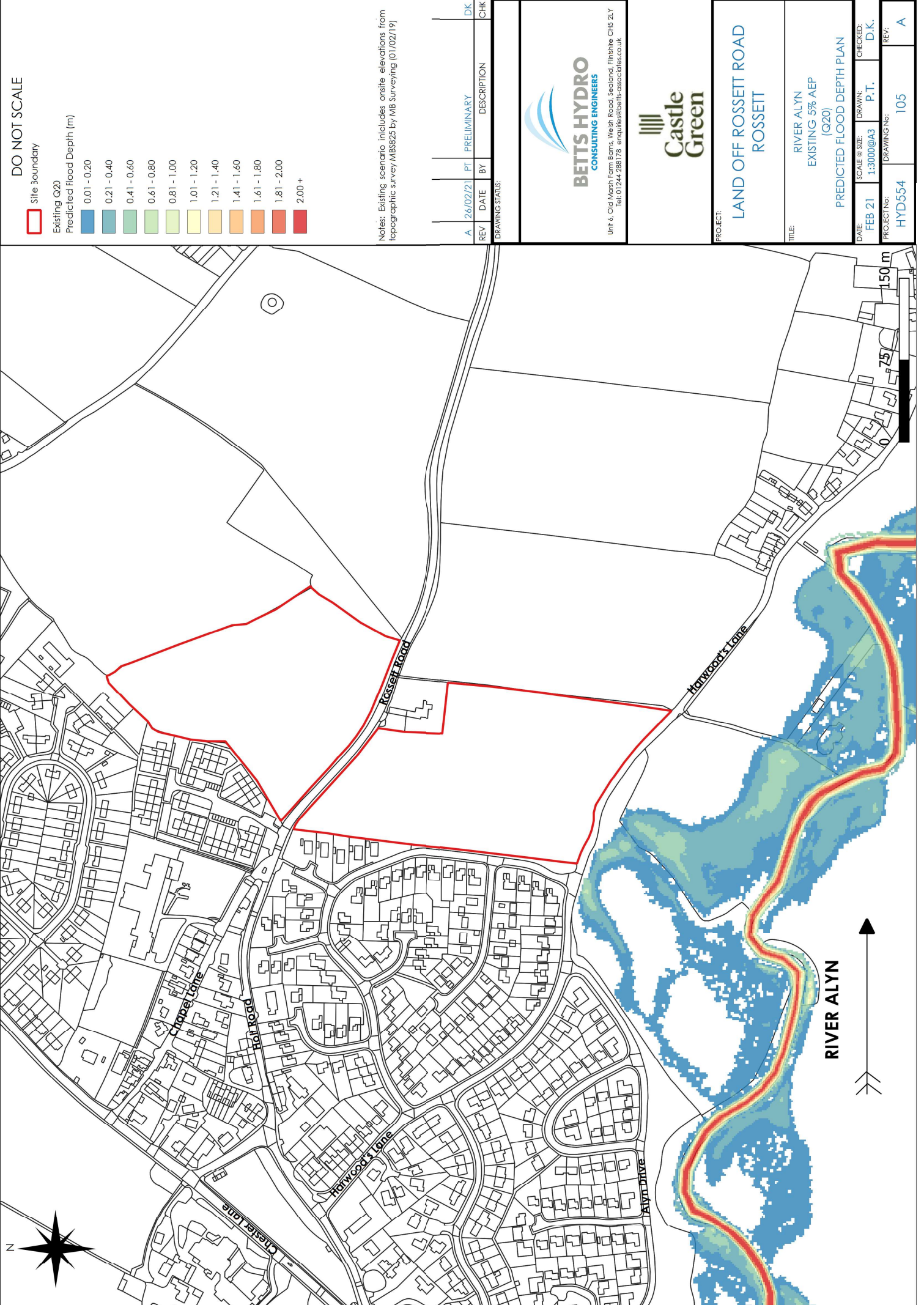
PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

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

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	REV:
FEB 21	1:3000@A3	P.T.	D.K.	
PROJECT NO:	DRAWING NO:			
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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				



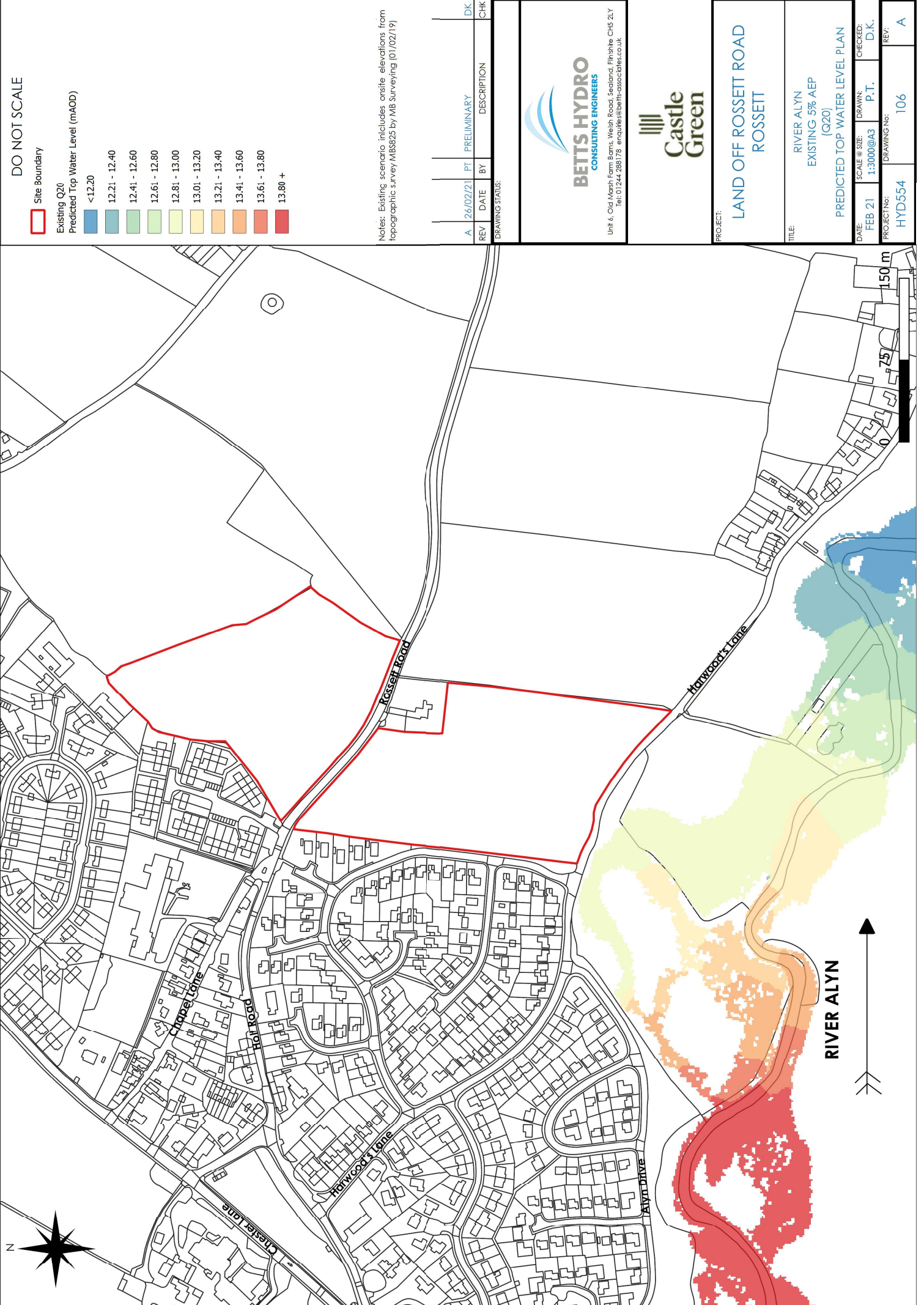
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 6, Old Marsh 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 Q20
- 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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

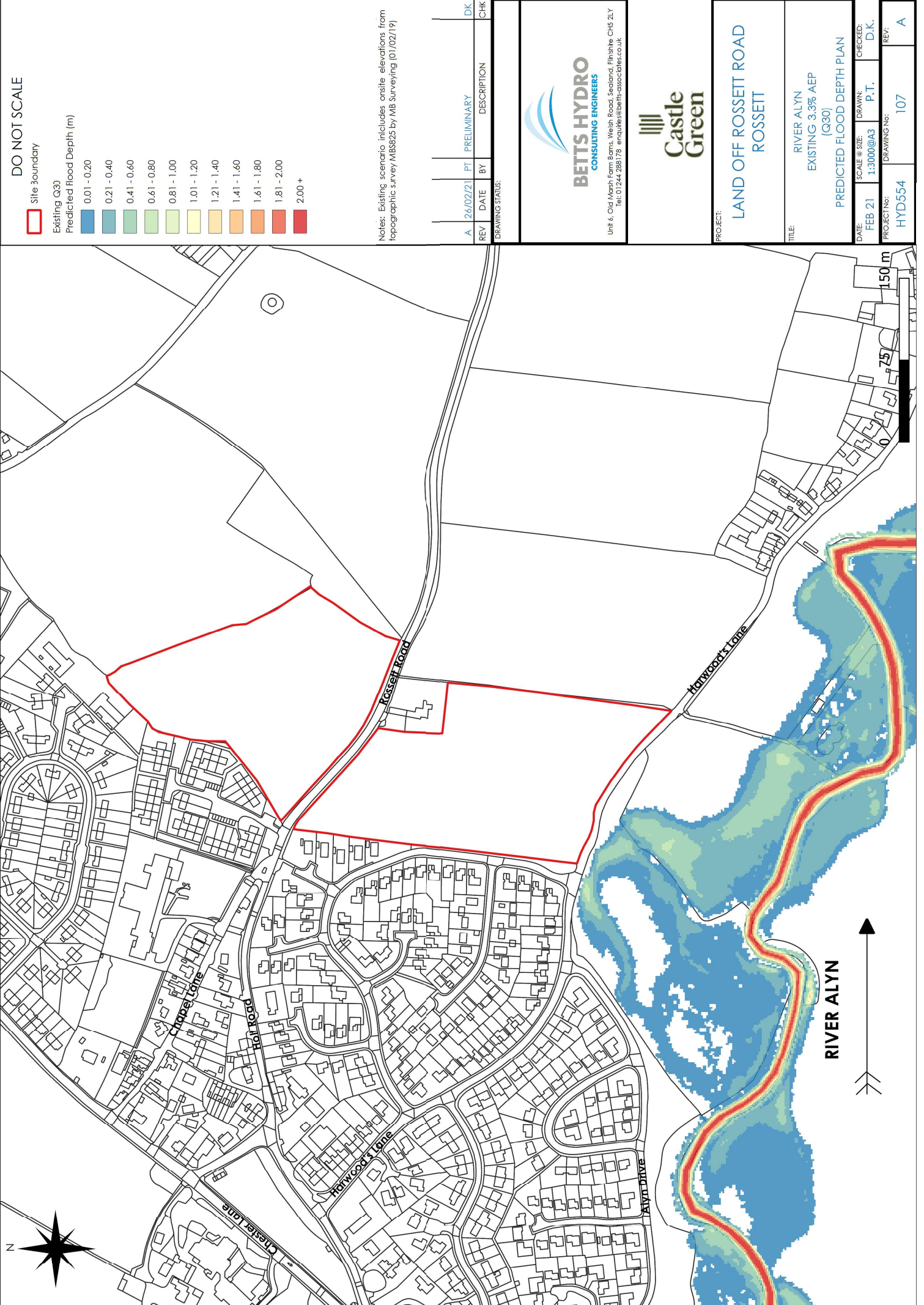
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
EXISTING 5% AEP
(Q20)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
FEB 21	1:3000@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	106	REV:
HYD554			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 MBS925 by MB Surveying (01/02/19)

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

DRAWING STATUS:



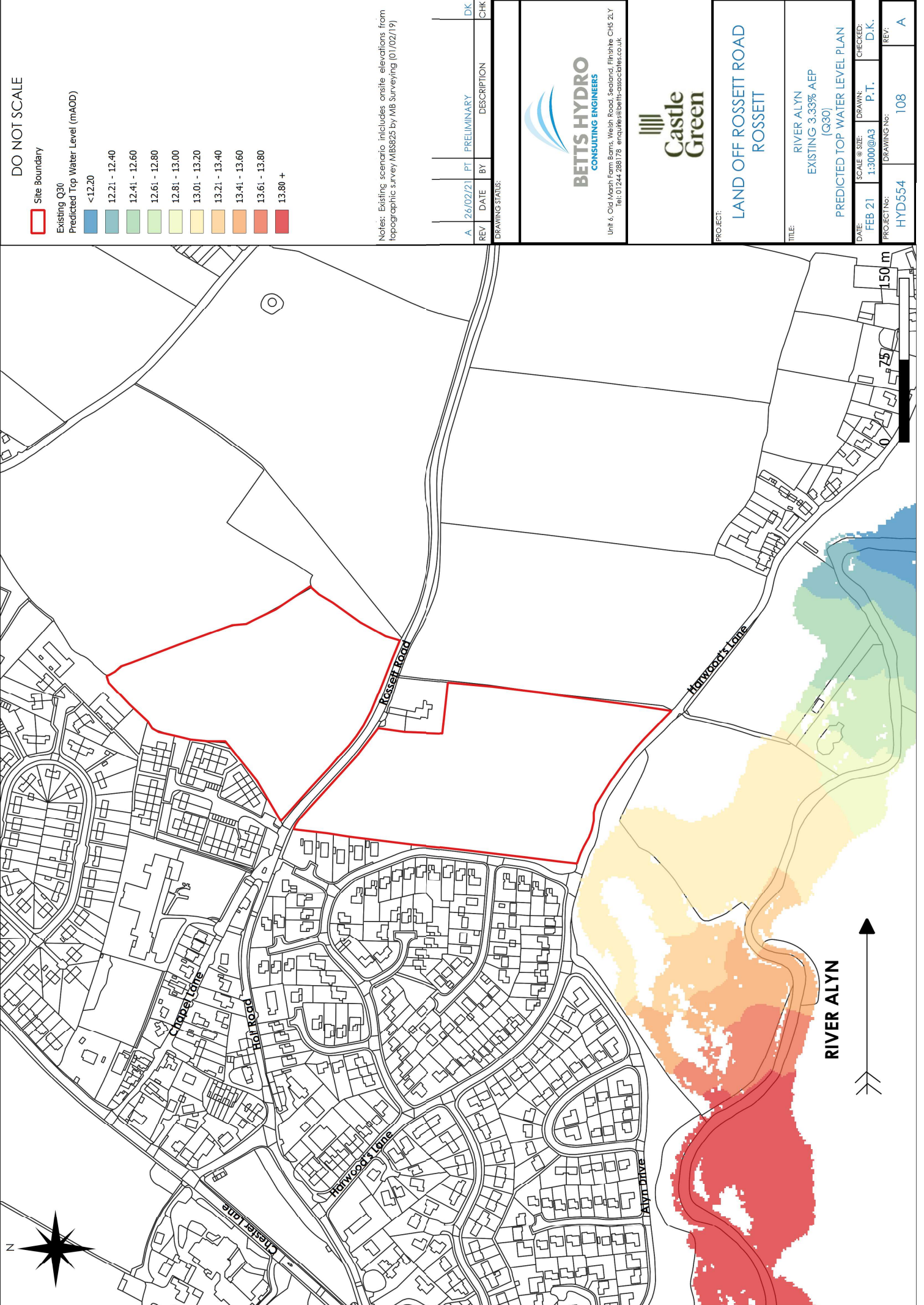
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 6, Old Marsh 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 3.3% AEP (Q30) PREDICTED FLOOD DEPTH PLAN			
DATE: FEB 21	SCALE @ SIZE: 1:3000@A3	DRAWN: P.T.	CHECKED: D.K.
PROJECT NO: HYD554	DRAWING NO: 107	REV: A	



DO NOT SCALE

- Site Boundary
- Existing Q30
- Predicted Top Water Level (m AOD)
- <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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

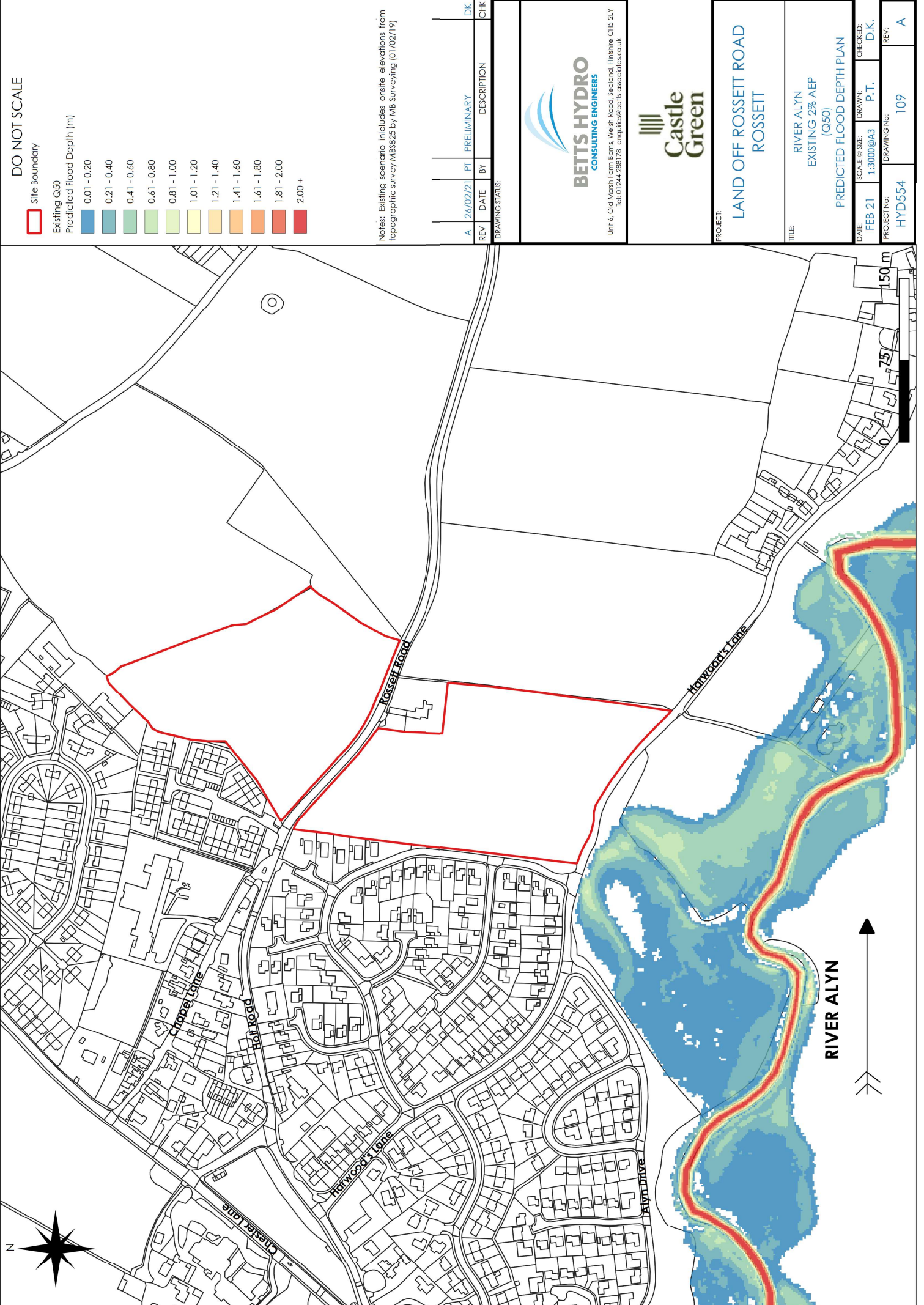
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:
RIVER ALYN
EXISTING 3.33% AEP
(Q30)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	REV:
FEB 21	1:3000@A3	P.T.	D.K.	
PROJECT NO:	DRAWING NO:			
HYD554	108			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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				



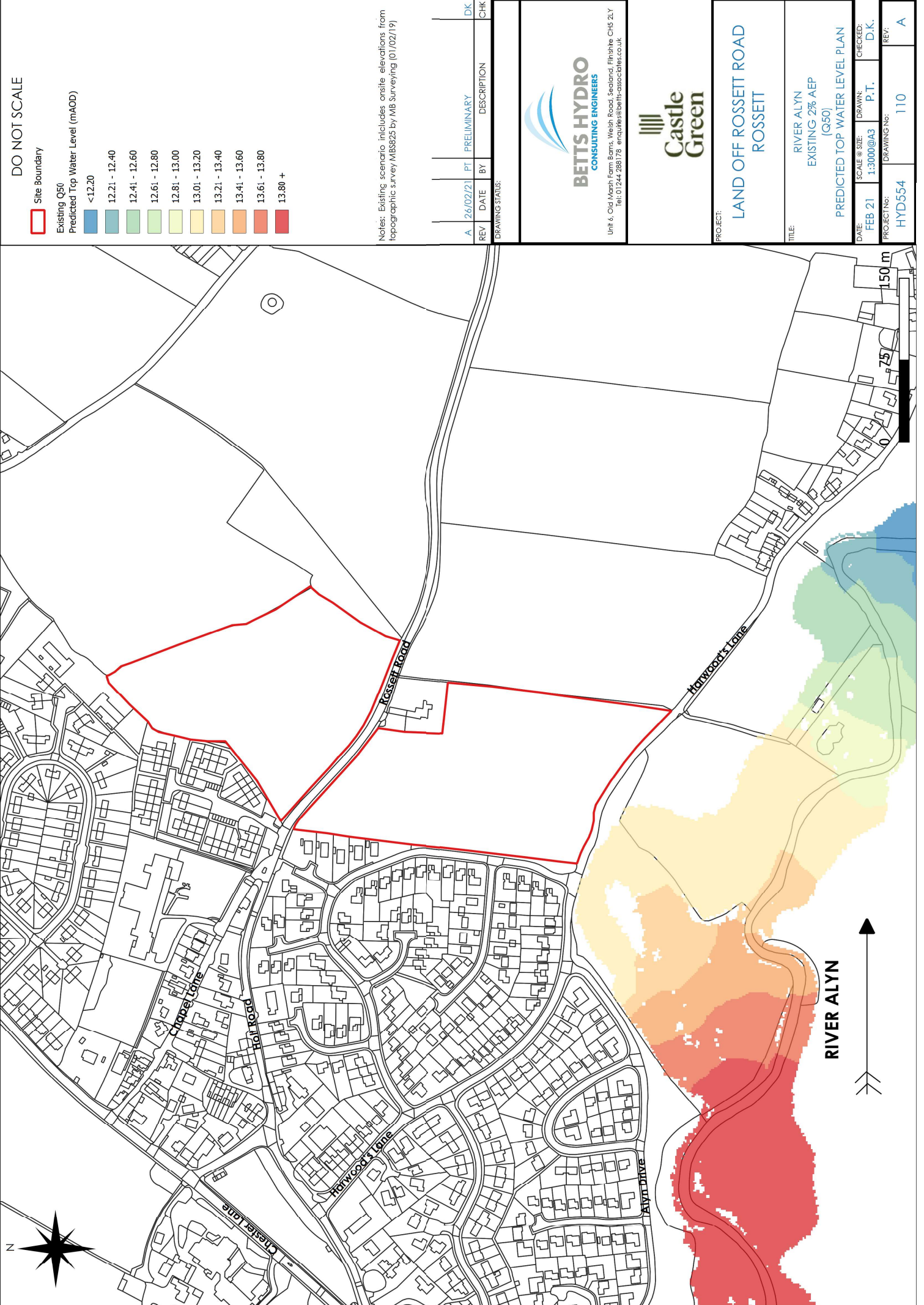
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 6, Old Marsh 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 2% AEP (Q50) PREDICTED FLOOD DEPTH PLAN				
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	REV:
FEB 21	1:3000@A3	P.T.	D.K.	
PROJECT NO:	DRAWING NO:			
HYD554	109			A



DO NOT SCALE

- Site Boundary
- Existing Q50
- 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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	26/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				



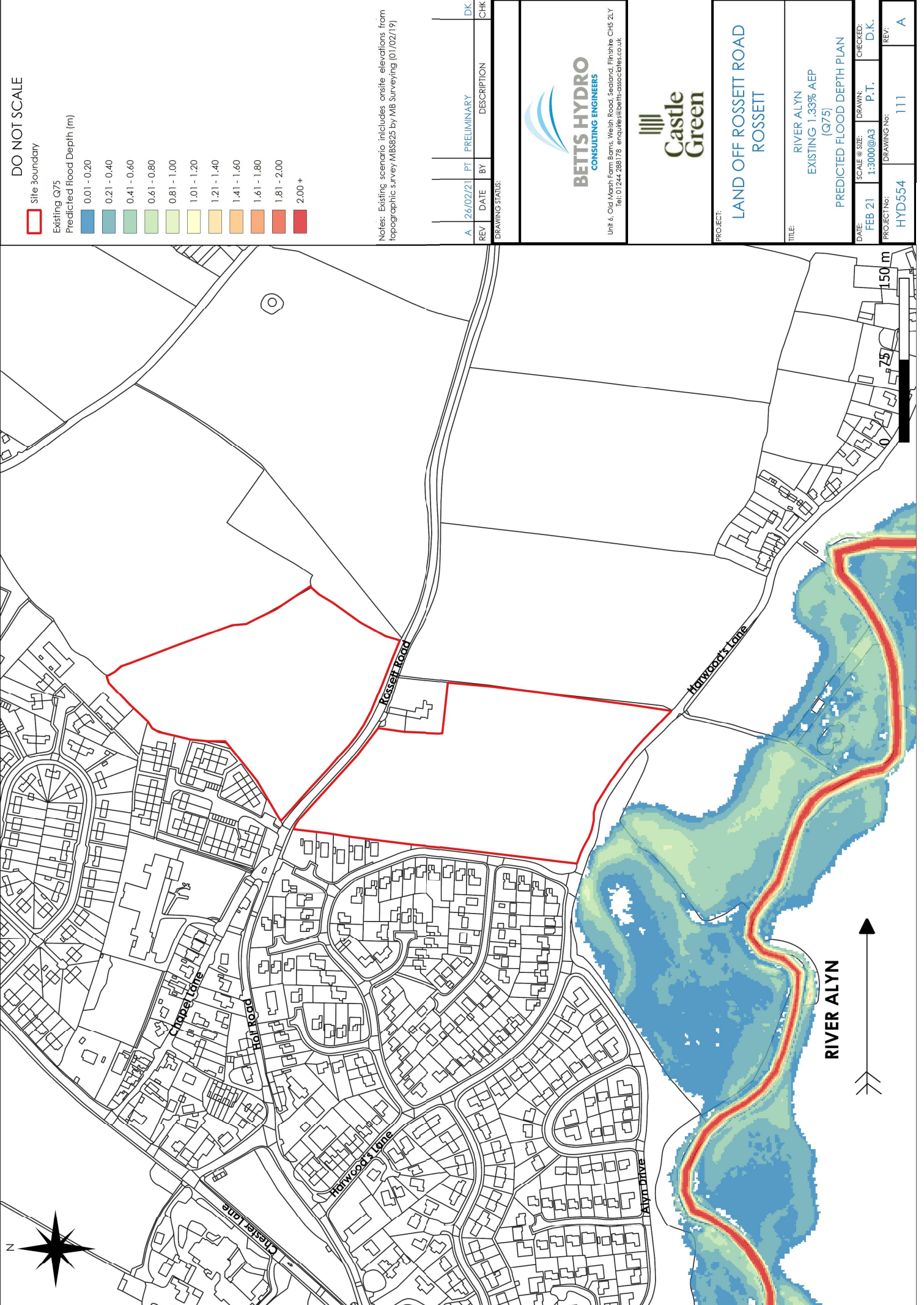
BETTS HYDRO
CONSULTING ENGINEERS



Castle Green

Unit 6, Old Marsh 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 2% AEP (Q50) PREDICTED TOP WATER LEVEL PLAN			
DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	PROJECT NO.:	DRAWING NO.:	REV:	
FEB 21	1:3000@A3	P.T.	D.K.	HYD554	110	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 MBS925 by MB Surveying (01/02/19)

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

DRAWING STATUS:



BETTS HYDRO
CONSULTING ENGINEERS



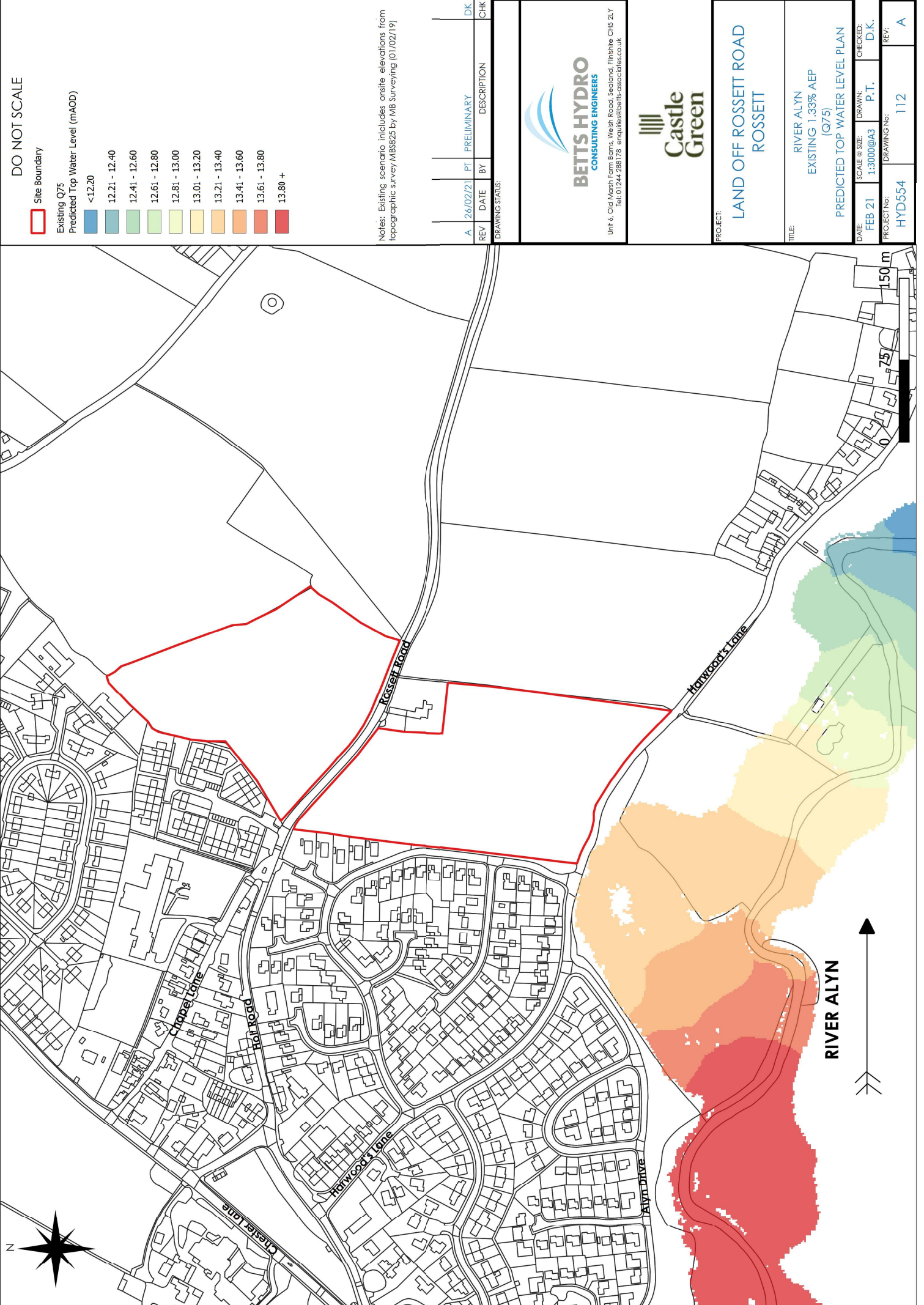
Castle Green

Unit 6, Old Marsh 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 1.33% 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 Q75
- Predicted Top Water Level (m AOD)
- <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 MBS925 by MB Surveying (01/02/19)

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

DRAWING STATUS:

BETTS HYDRO
CONSULTING ENGINEERS

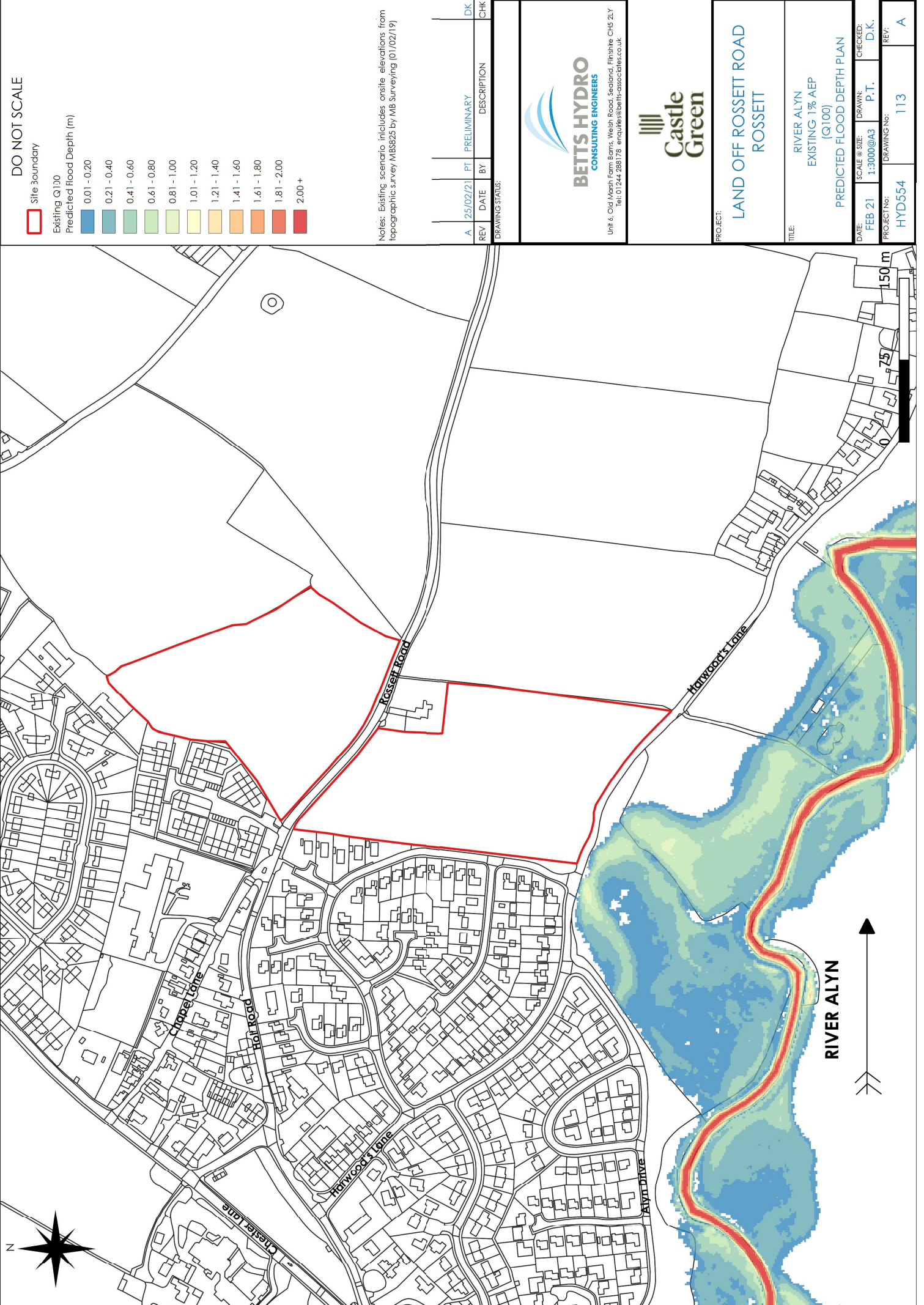
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

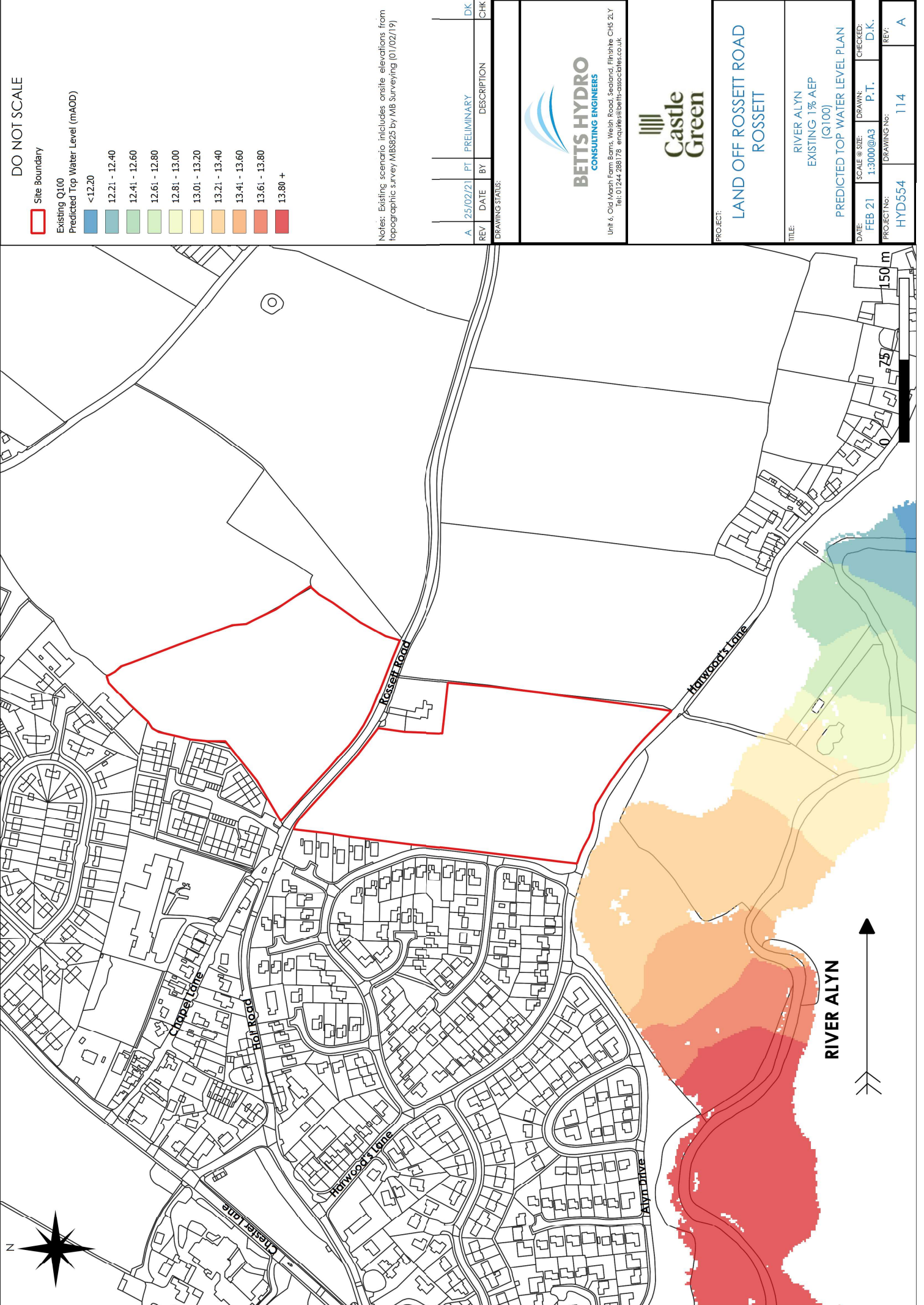
Castle Green

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
EXISTING 1.33% AEP
(Q75)
PREDICTED TOP WATER LEVEL PLAN

DATE: FEB 21	SCALE & SIZE: 1:3000@A3	DRAWN: P.T.	CHECKED: D.K.
PROJECT NO: HYD554	DRAWING NO: 112	REV: 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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

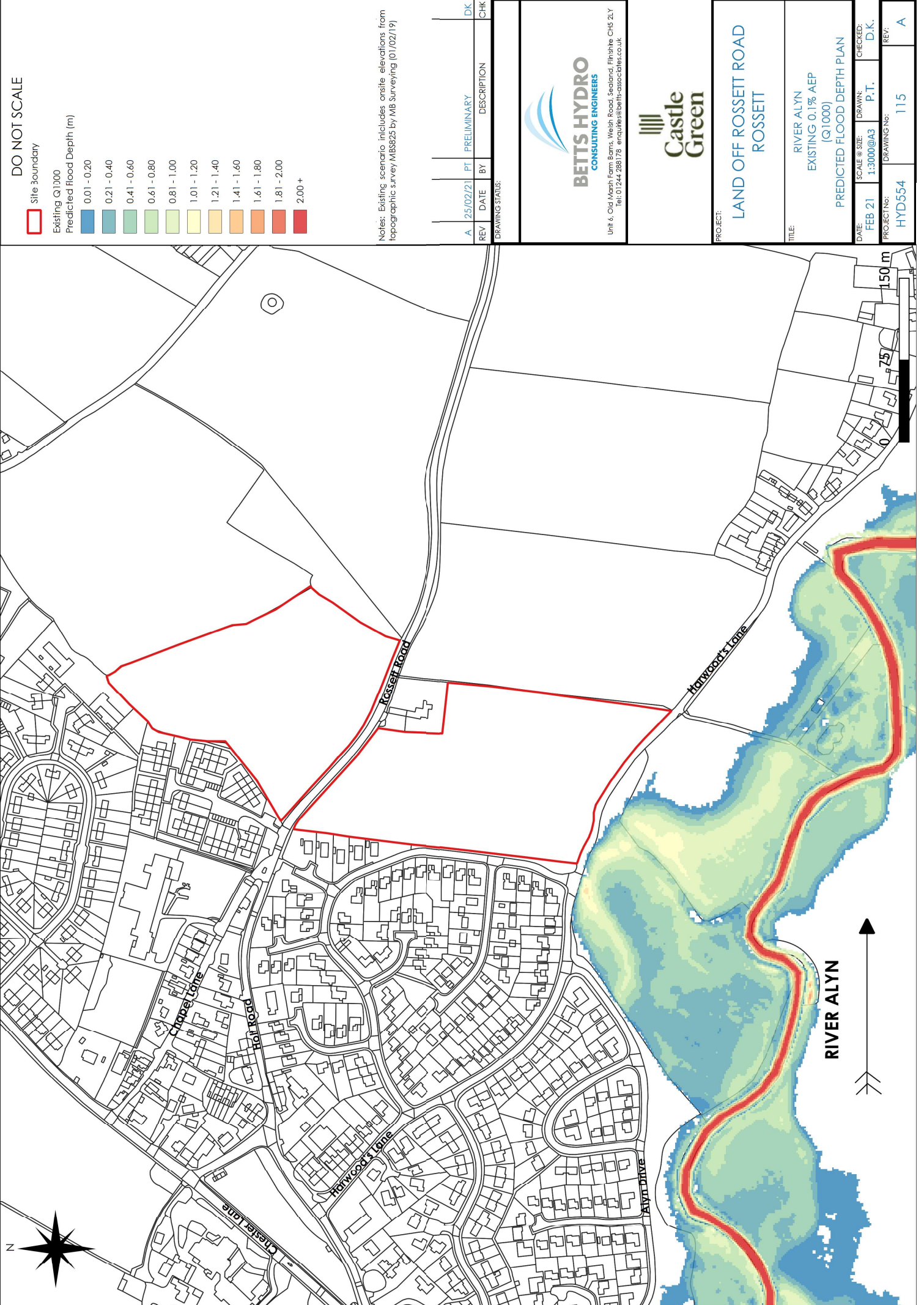
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk

Castle Green

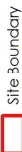
PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
RIVER ALYN
EXISTING 1% AEP
(Q100)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:	REV:
FEB 21	1:3000@A3	P.T.	D.K.	
PROJECT NO:	DRAWING NO:			
HYD554	114			A



DO NOT SCALE



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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				



Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 286176 enquiries@betts-hydro.co.uk



PROJECT:

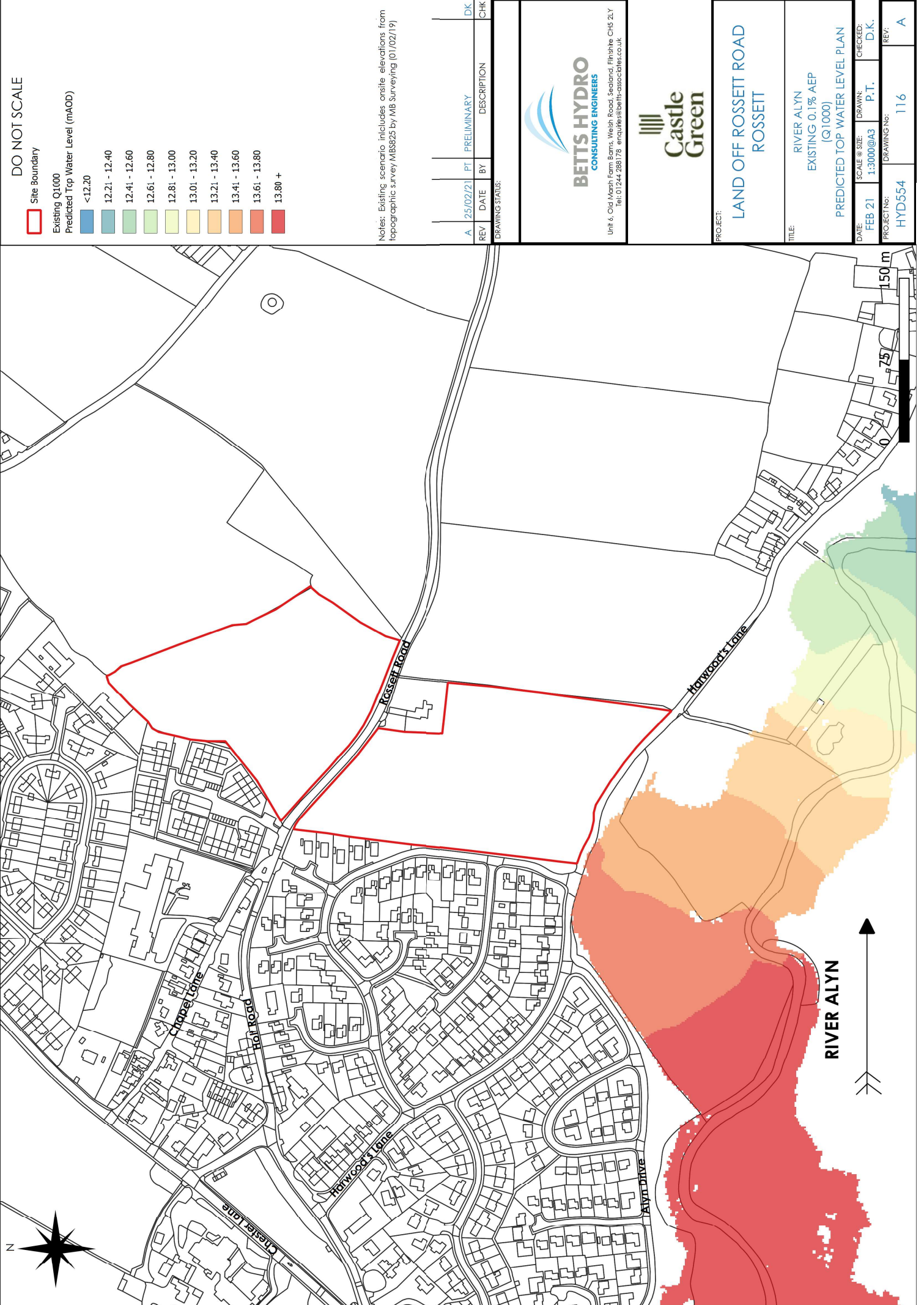
LAND OFF ROSSETT ROAD
ROSSETT

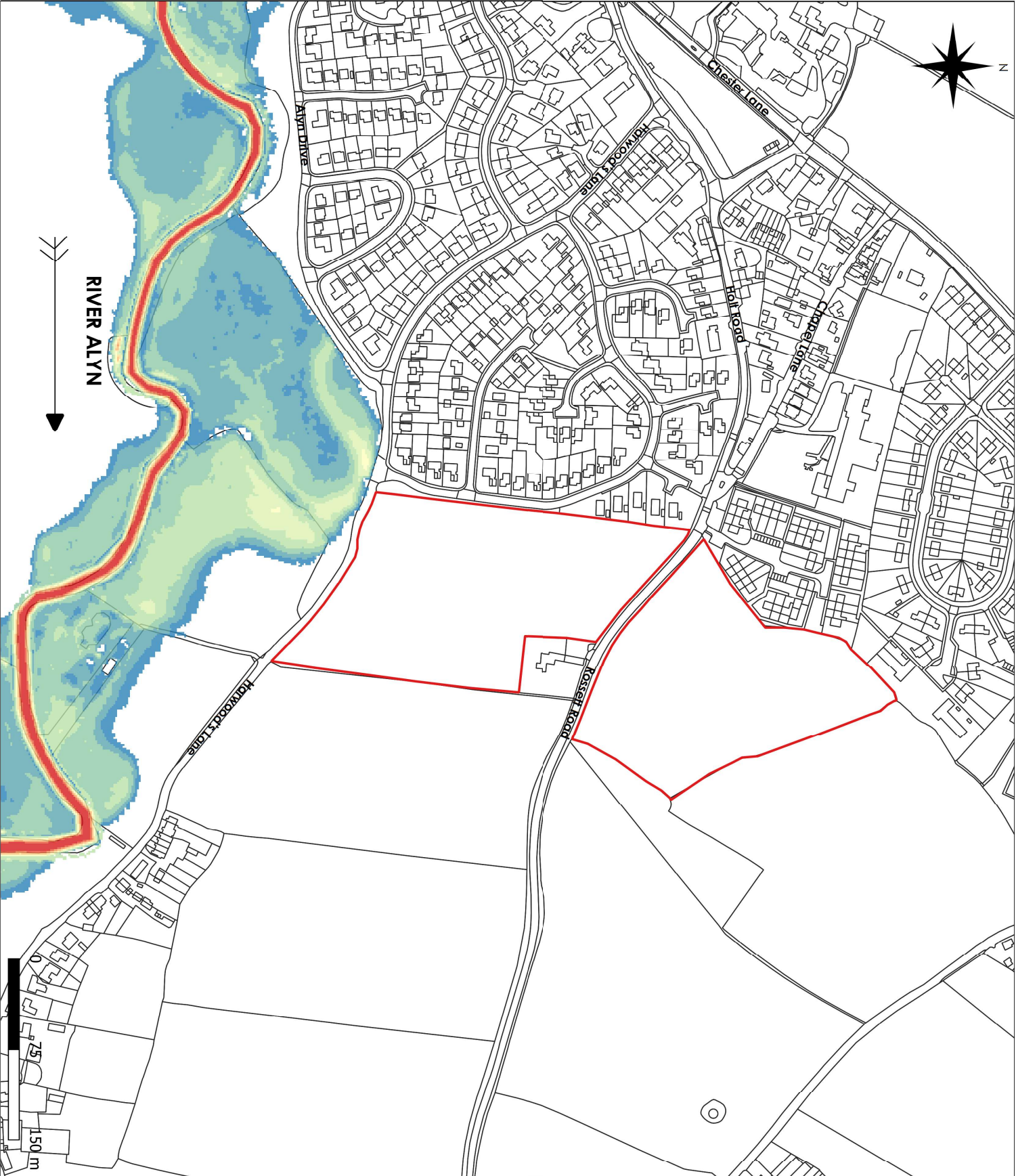
TITLE:

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:	REV:	
HYD554	115	A	





DO NOT SCALE

- Site Boundary
- Existing Q100CC20
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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
B	09/06/21	PT	UPDATED MODELLING	DK
A	25/02/21	PT	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO
CONSULTING ENGINEERS

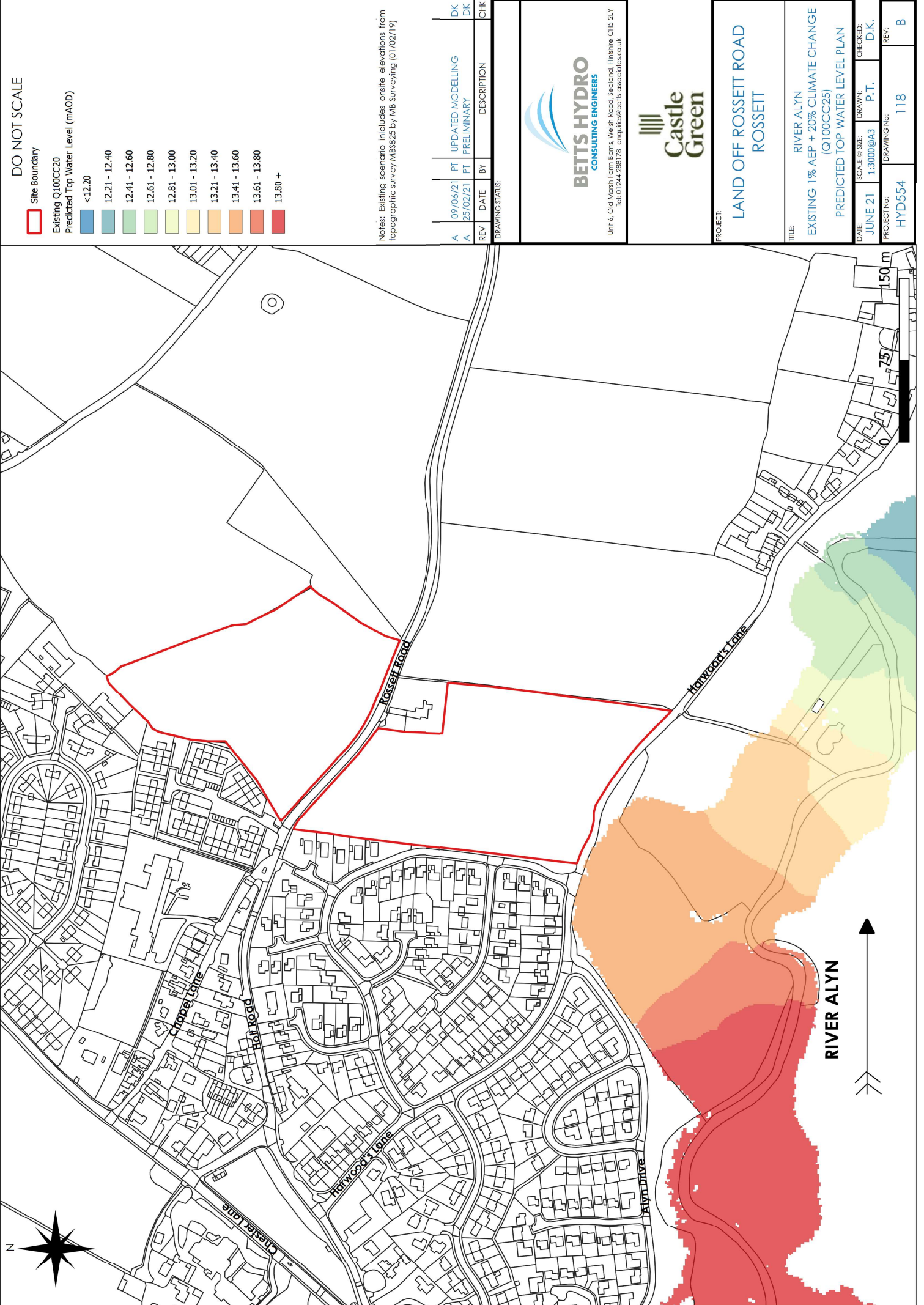
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealdon, Frinton CH5 2LY
Tel: 01244 286178 enquiries@betts-hydro.co.uk

**Castle
Green**

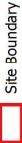
PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
**RIVER ALYN
EXISTING 1% AEP + 20% CLIMATE CHANGE
(Q100CC20)
PREDICTED FLOOD DEPTH PLAN**

DATE:	SCALE @ SIZE:	DRAWN:	CHECKED:
JUNE 21	1:300@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	REV:	
HYD554	117	B	



DO NOT SCALE



Existing Q100CC20
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 MBS925 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	09/06/21	PT	UPDATED MODELLING	DK
A	25/02/21	PT	PRELIMINARY	DK



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



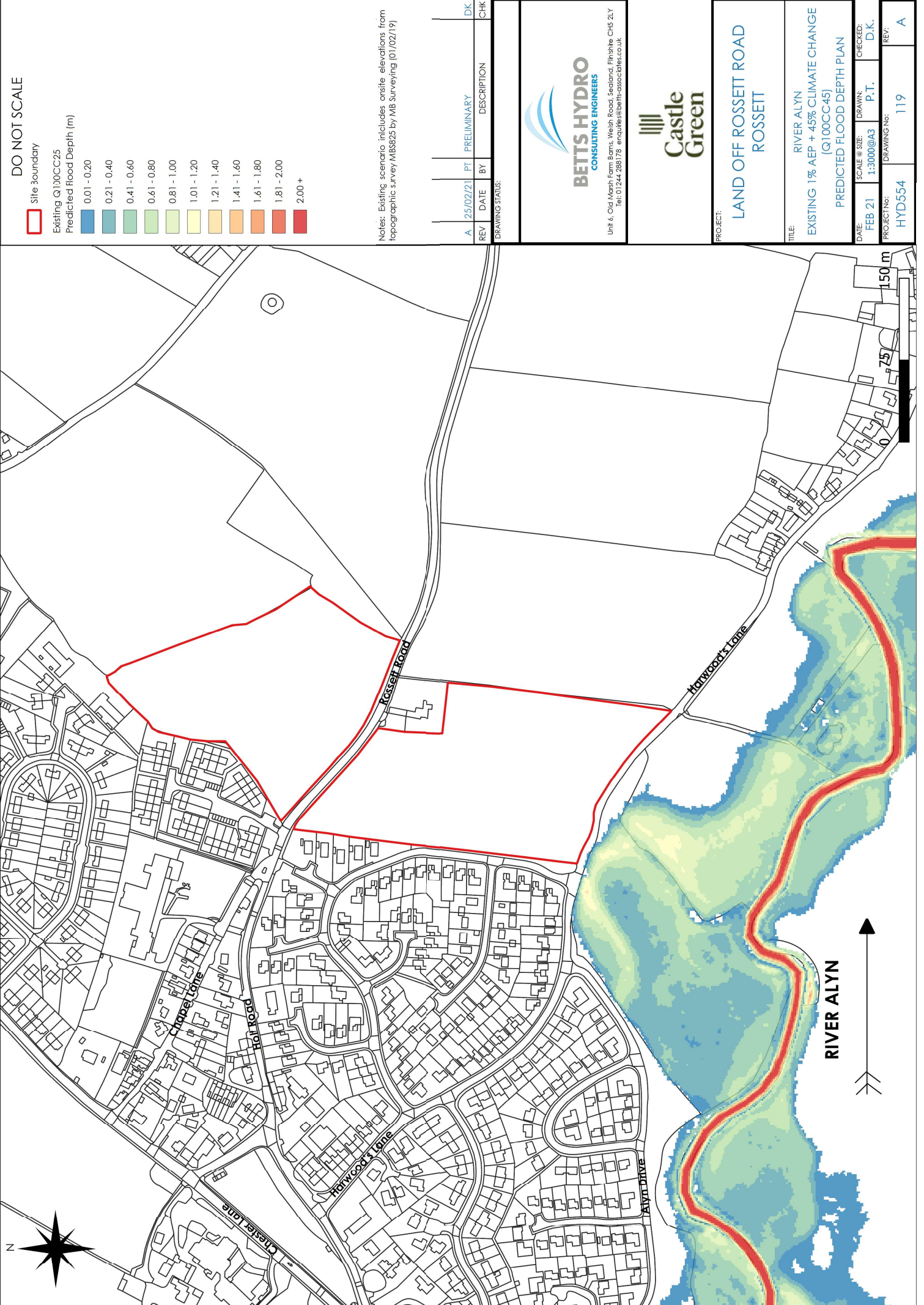
PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
EXISTING 1% AEP + 20% CLIMATE CHANGE
(Q100CC25)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
JUNE 21	1:3000@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	118	REV:
HYD554			B



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 MBS925 by MB Surveying (01/02/19)

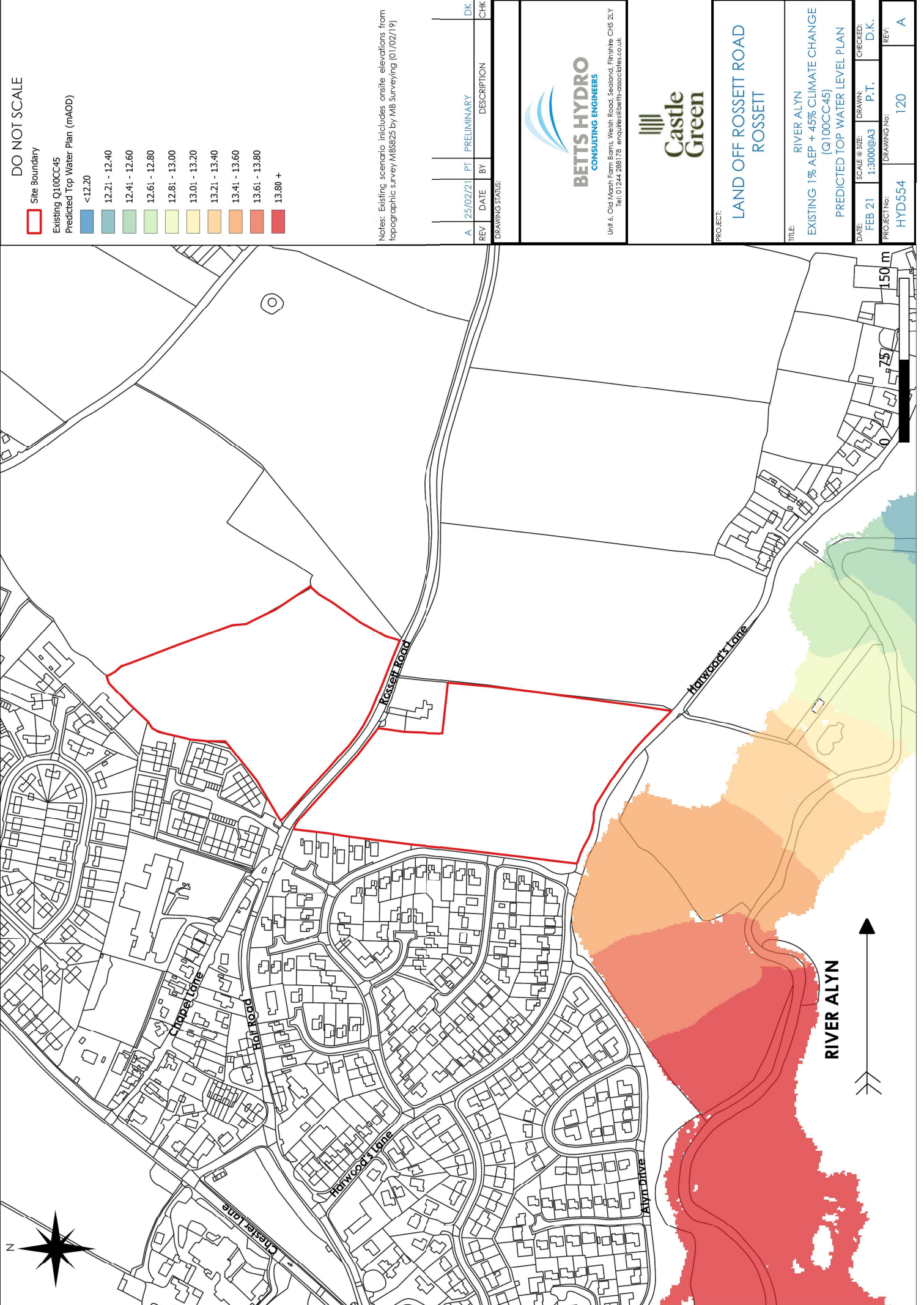
REV	DATE	BY	DESCRIPTION	CHK
A	25/02/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 286176 enquiries@betts-hydro.co.uk

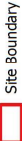
PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

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

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



DO NOT SCALE



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 MBS925 by MB Surveying (01/02/19)

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

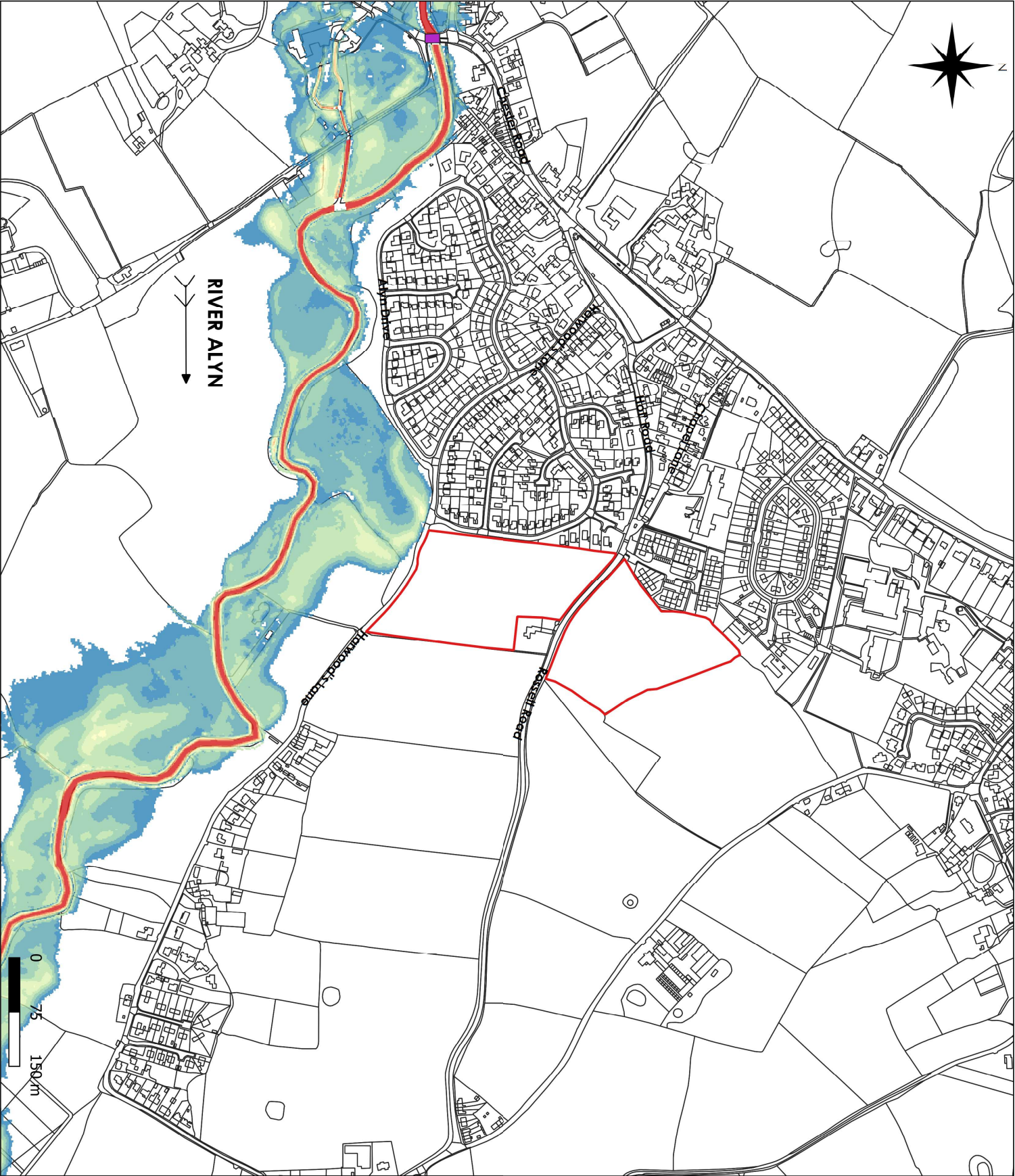
DRAWING STATUS:

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 286176 enquiries@betts-hydro.co.uk

PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

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

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



DO NOT SCALE

Site Boundary

Blockage Location

Existing Blockage Q100CC20

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	02/06/21	PT	PRELIMINARY	DK
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS
Unit 6, Old Marsh 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
CHESTER ROAD BRIDGE 25% BLOCKAGE
EXISTING 1% AEP + 20% CLIMATE CHANGE
(Q100CC20)**

PREDICTED FLOOD DEPTH PLAN

DATE: JUN 21 SCALE @ SITE: 1:5000 @ A3 DRAWN: P.T. CHECKED: D.K.

PROJECT NO:

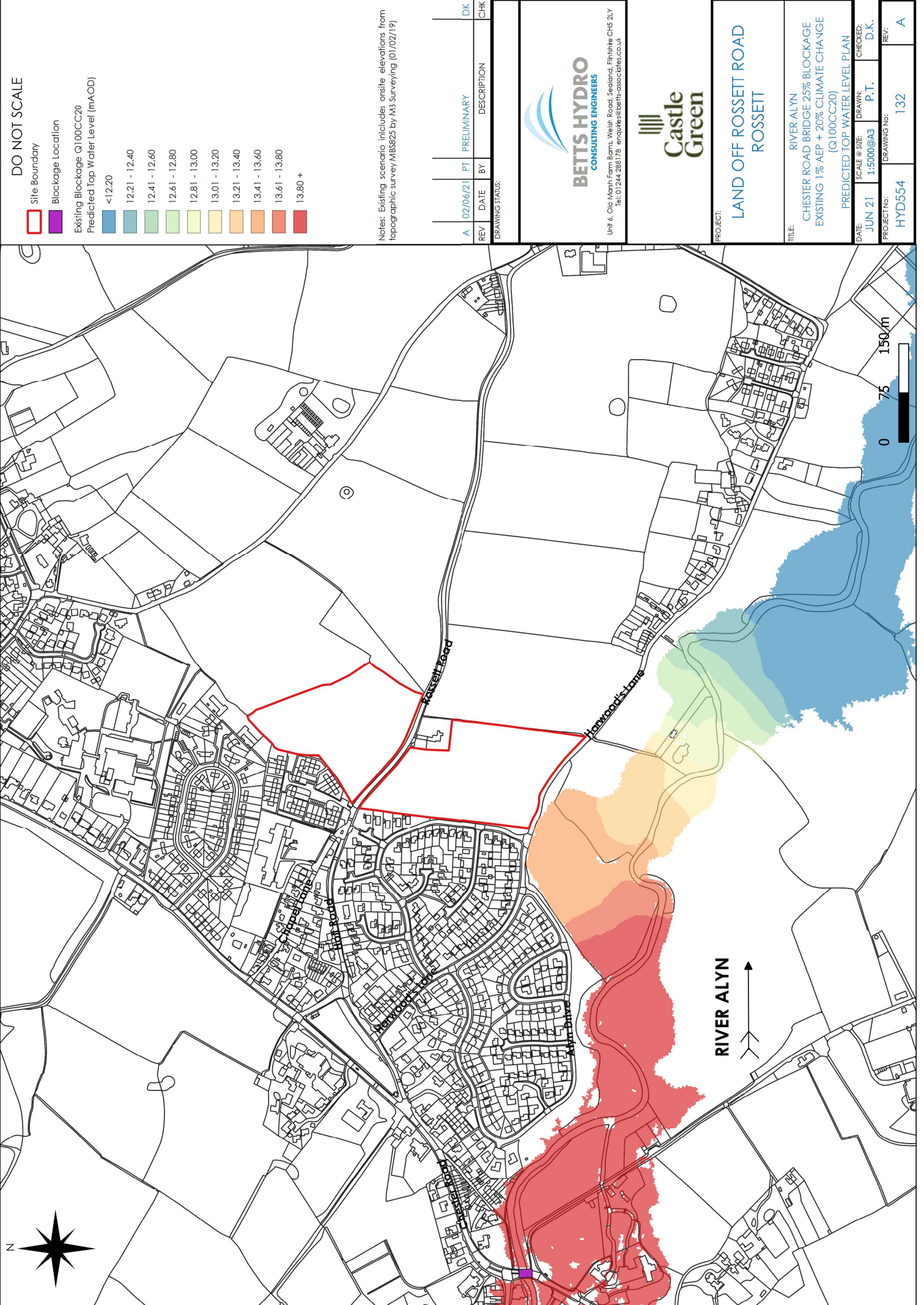
HYD554

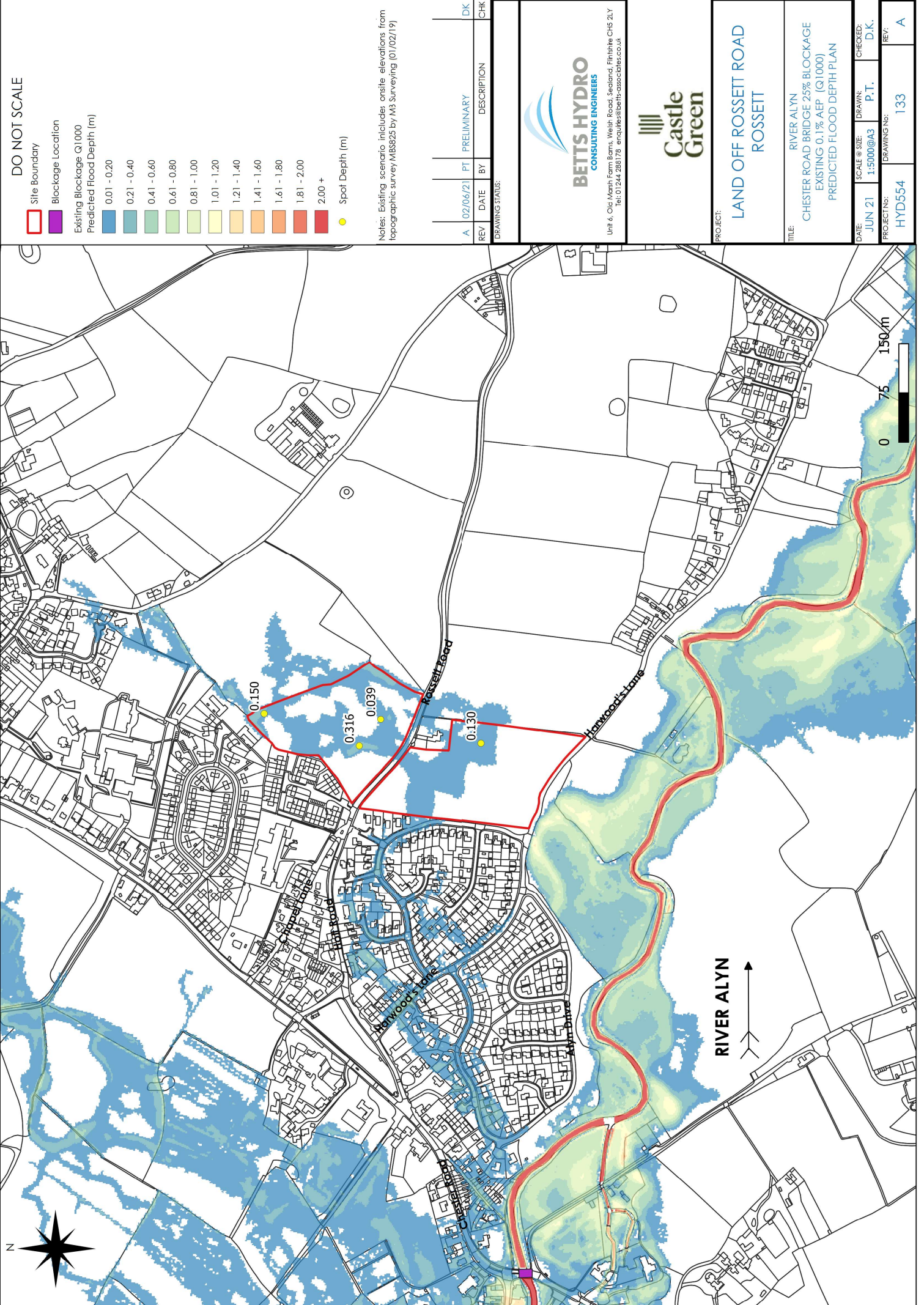
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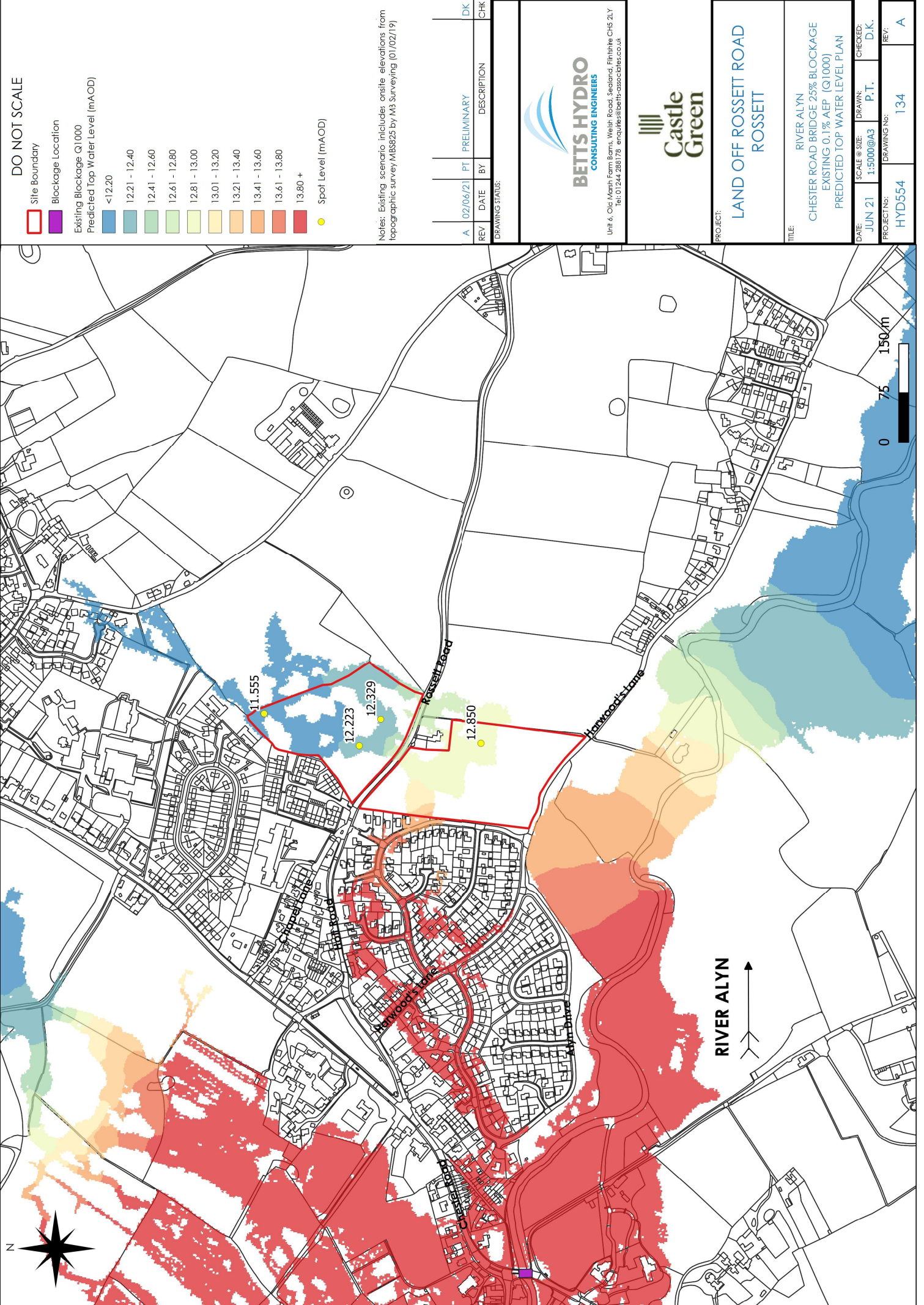
131

REV:

A







DO NOT SCALE

Site Boundary

Blockage Location

Existing Blockage 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 +

Spot Level (mAOD)

Notes: Existing scenario includes onsite elevations from topographic survey MBS925 by M3 Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
A	02/06/21	PT	PRELIMINARY	DK

DRAWING STATUS:



Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
tel: 01244 286176 email: betts@betts-associates.co.uk



PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALN
CHESTER ROAD BRIDGE 25% BLOCKAGE
EXISTING 0.1% AEP (Q1000)
PREDICTED TOP WATER LEVEL PLAN

DATE:	SCALE & SIZE:	DRAWN:	CHECKED:
JUN 21	1:5000@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	REV:	
HYD554	134	A	