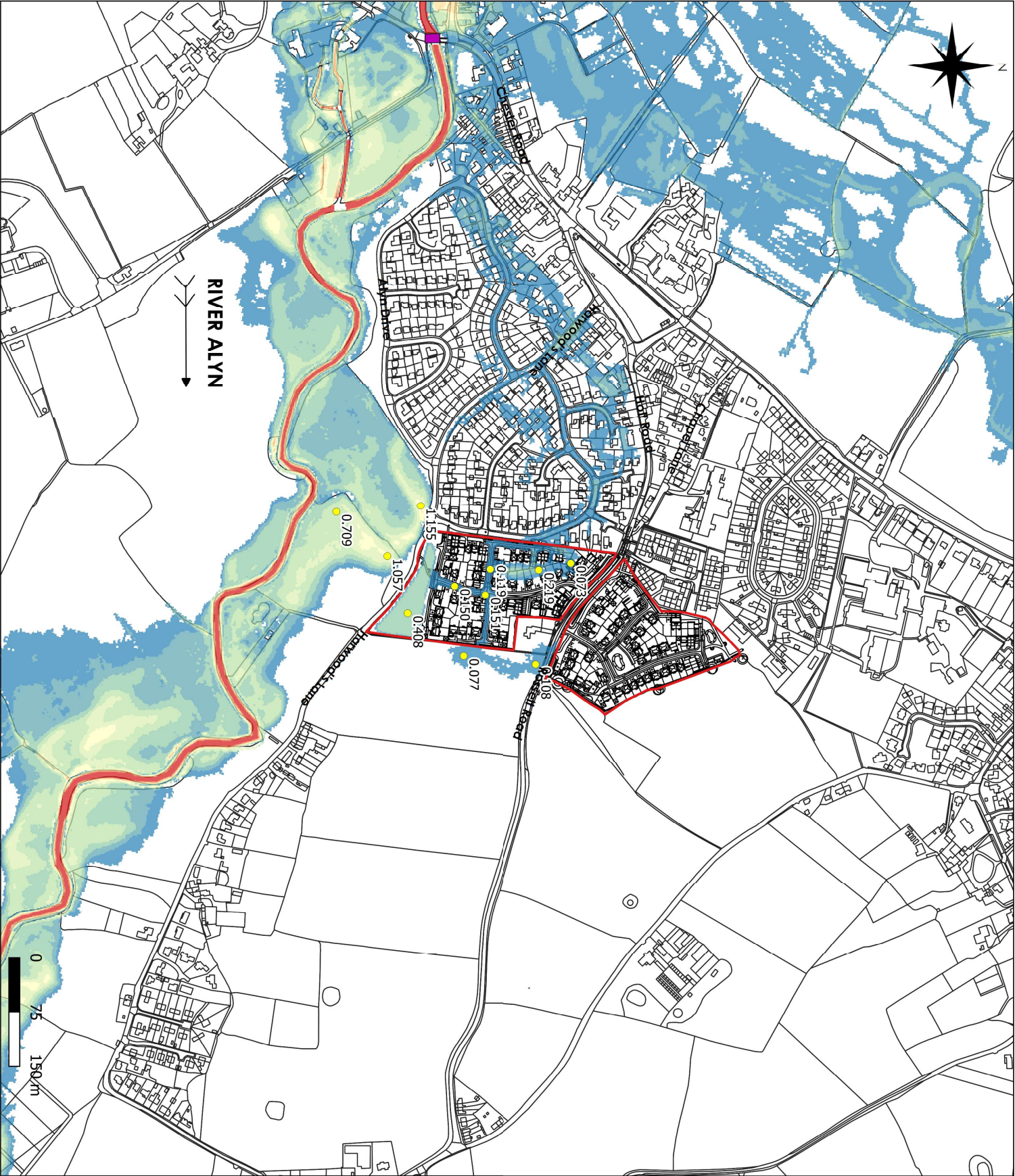


APPENDIX E: PROPOSED SCENARIO FLOOD PLANS

Drawing no. HYD554/137/B 1 IN 1000 YEAR PROPOSED BLOCKAGE FLOOD DEPTH
Drawing no. HYD554/138/B 1 IN 1000 YEAR PROPOSED BLOCKAGE FLOOD LEVEL
Drawing no. HYD554/139/B 1 IN 1000 YEAR PROPOSED BLOCKAGE FLOOD VELOCITY

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DO NOT SCALE

Site Boundary

Blockage Location

Proposed Blockage 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 +

Spot Depth (m)

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

REV	DATE	BY	DESCRIPTION	CHK
B	18/08/21	PT	UPDATED GROUND MODEL	DK
A	14/06/21	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



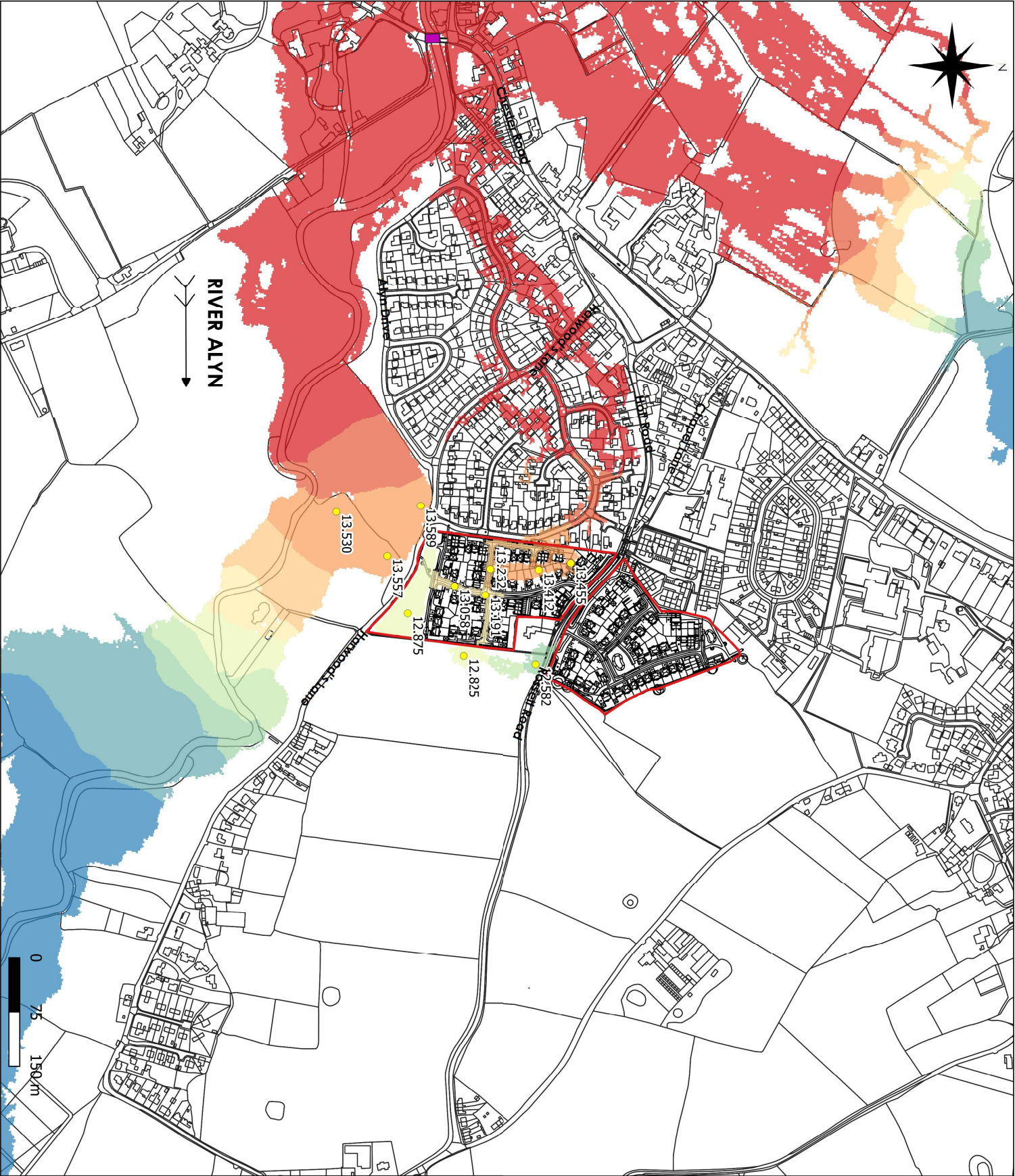
PROJECT:

LAND OFF ROSSETT ROAD
ROSSETT

TITLE:

RIVER ALYN
CHESTER ROAD BRIDGE 25% BLOCKAGE
PROPOSED 0.1% (Q1000)
PREDICTED FLOOD DEPTH PLAN

DATE	SCALE @ SITE	DRAWN	CHECKED
AUG 21	1:500@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	REV:	
HYD554	137	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 M85825 by MB Surveying (01/02/19)

REV	DATE	BY	DESCRIPTION	CHK
B	18/08/21	PT	UPDATED GROUND MODEL	DK
A	14/06/21	PT	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO
CONSULTING ENGINEERS

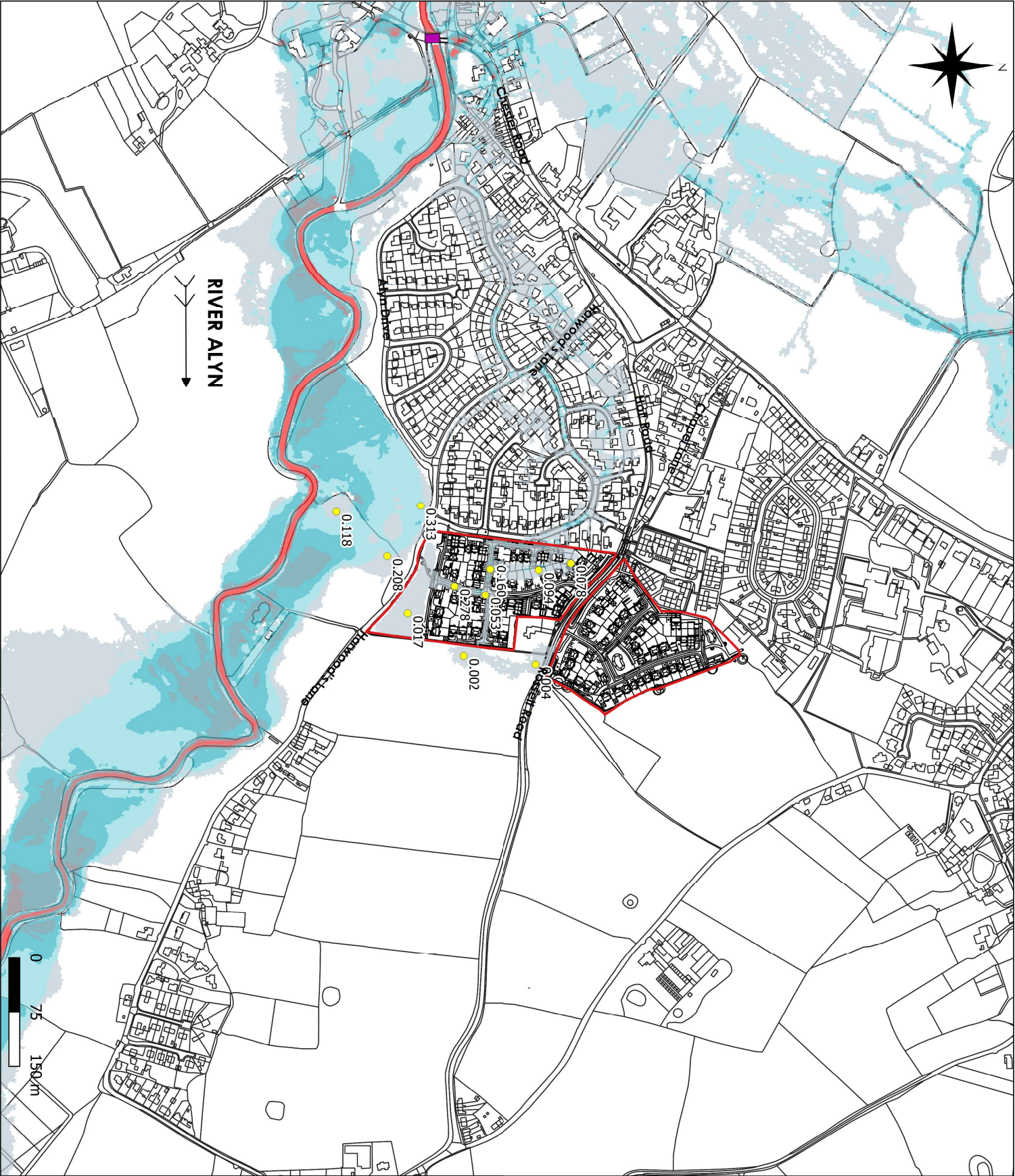
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 enquiries@betts-hydro.co.uk



PROJECT:
**LAND OFF ROSSETT ROAD
ROSSETT**

TITLE:
**RIVER ALYN
CHESTER ROAD BRIDGE 25% BLOCKAGE
PROPOSED 0.1% (Q1000)
PREDICTED TOP WATER LEVEL PLAN**

DATE:	SCALE @ SITE:	DRAWN:	CHECKED:
AUG 21	1:500@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	REV:	
HYD554	138	A	



DO NOT SCALE

- Site Boundary
- Blockage Location
- Proposed Blockage Q1000
- Predicted Flood Velocity (m/s)
- <= 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.75+
- Spot Velocity (m/s)

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

REV	DATE	BY	DESCRIPTION	CHK
B	18/08/21	PT	UPDATED GROUND MODEL	DK
A	14/06/21	PT	PRELIMINARY	DK

DRAWING STATUS:

BETTS HYDRO
CONSULTING ENGINEERS
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Prittlewell, CH20 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
PROPOSED 0.1% (Q1000)
PREDICTED VELOCITY PLAN**

DATE	SCALE @ SIZE	DRAWN	CHECKED
AUG 21	1:500@A3	P.T.	D.K.
PROJECT NO:	DRAWING NO:	REV:	
HYD554	139	A	

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