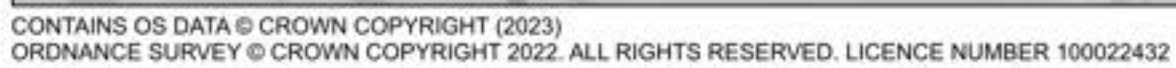
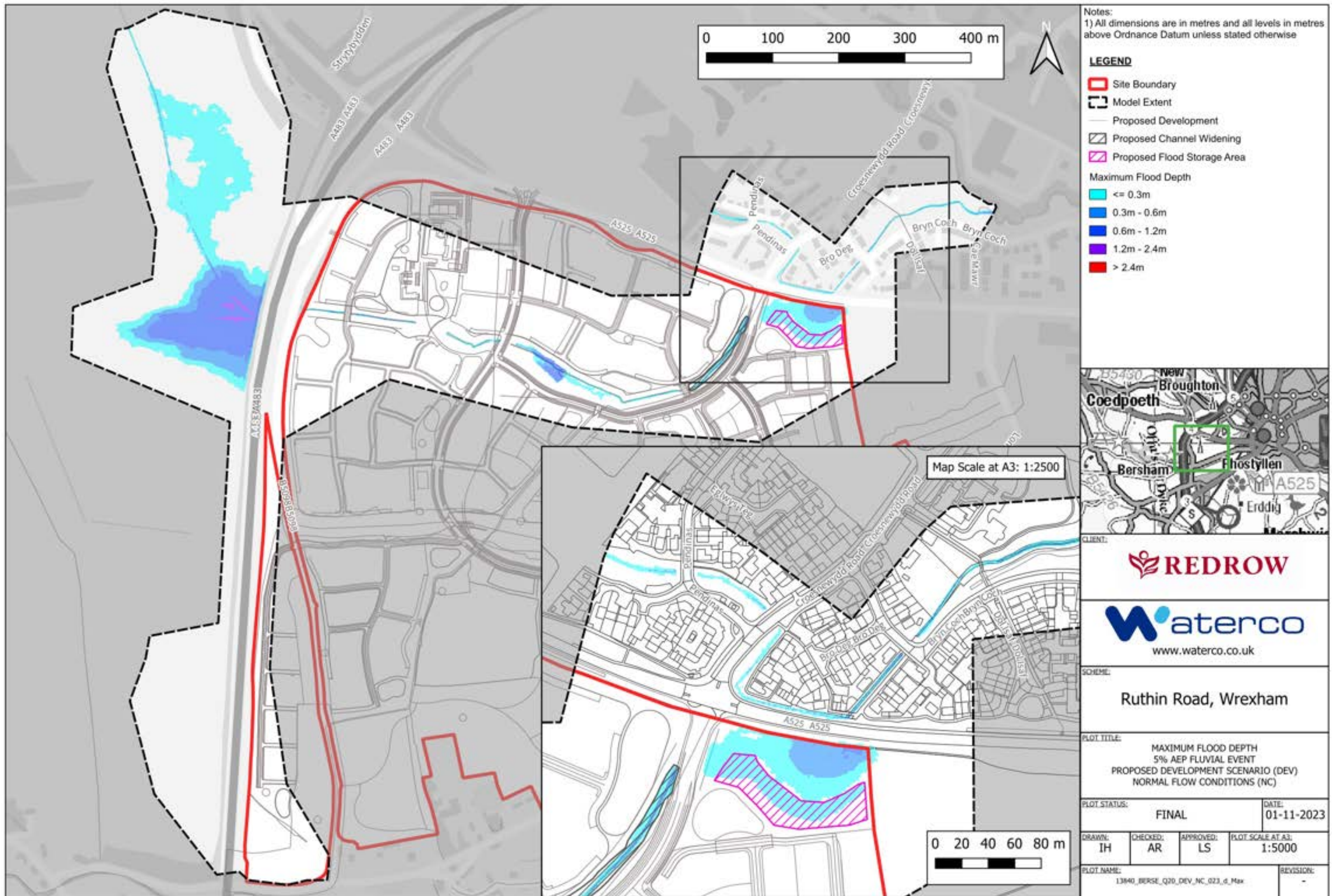
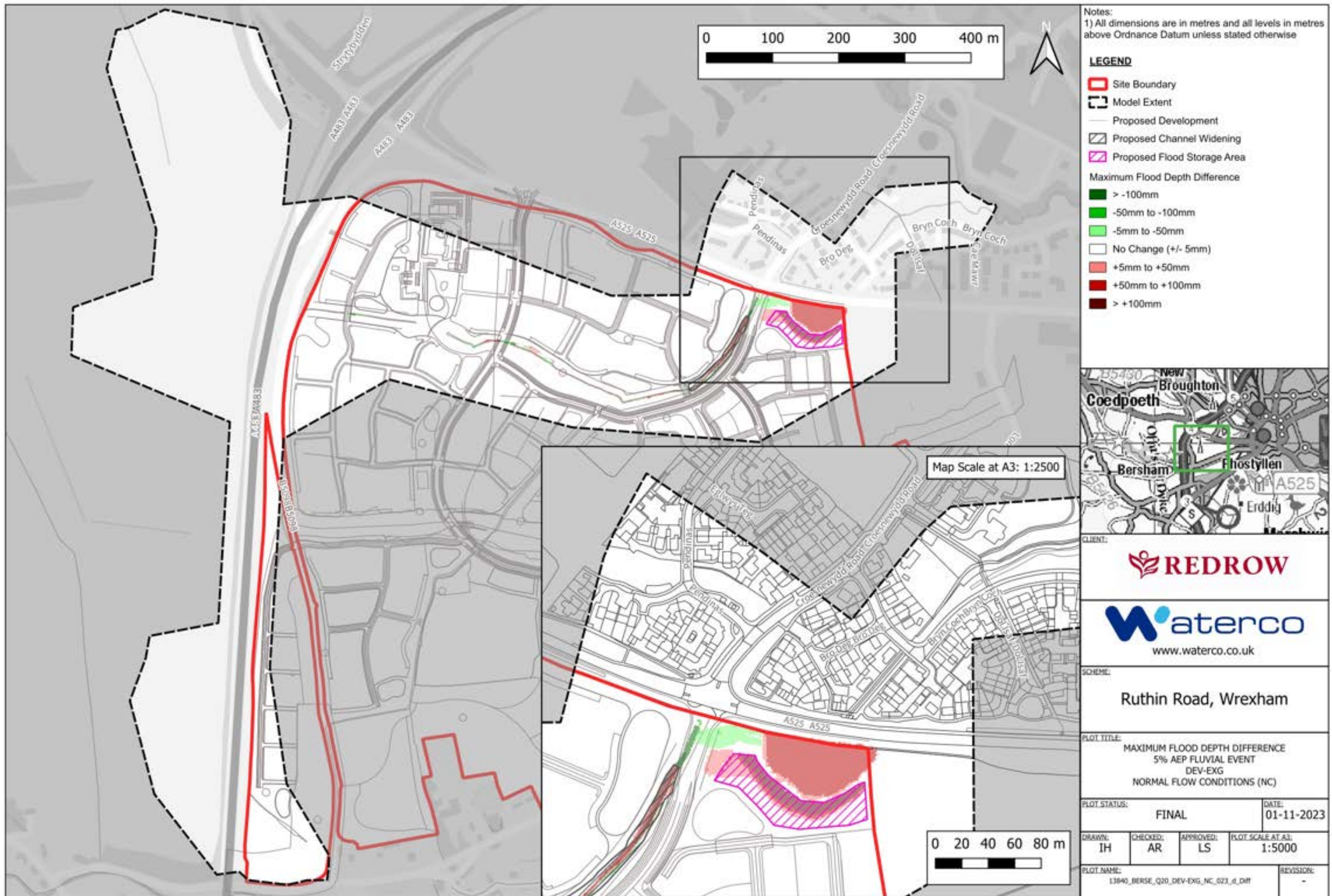
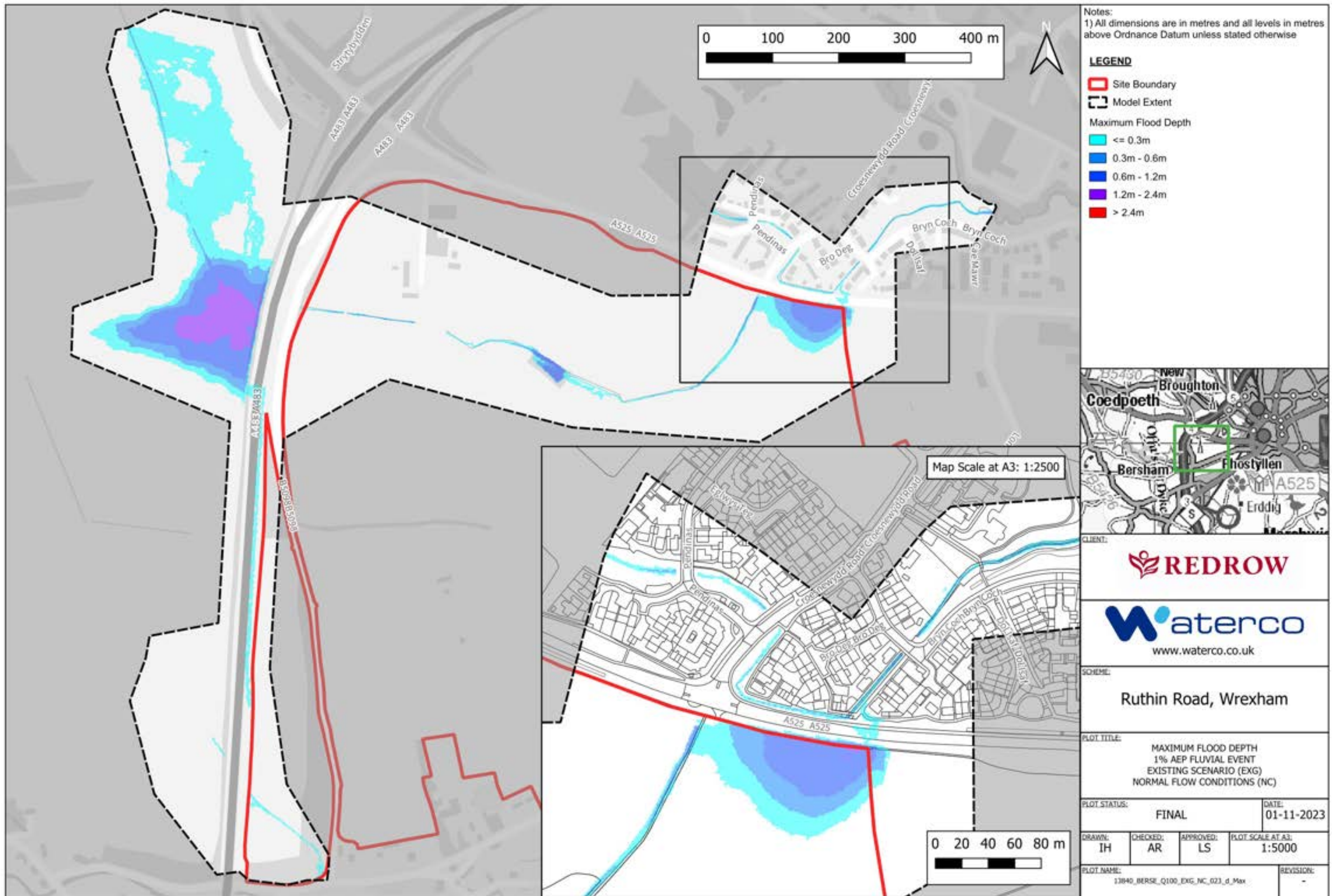


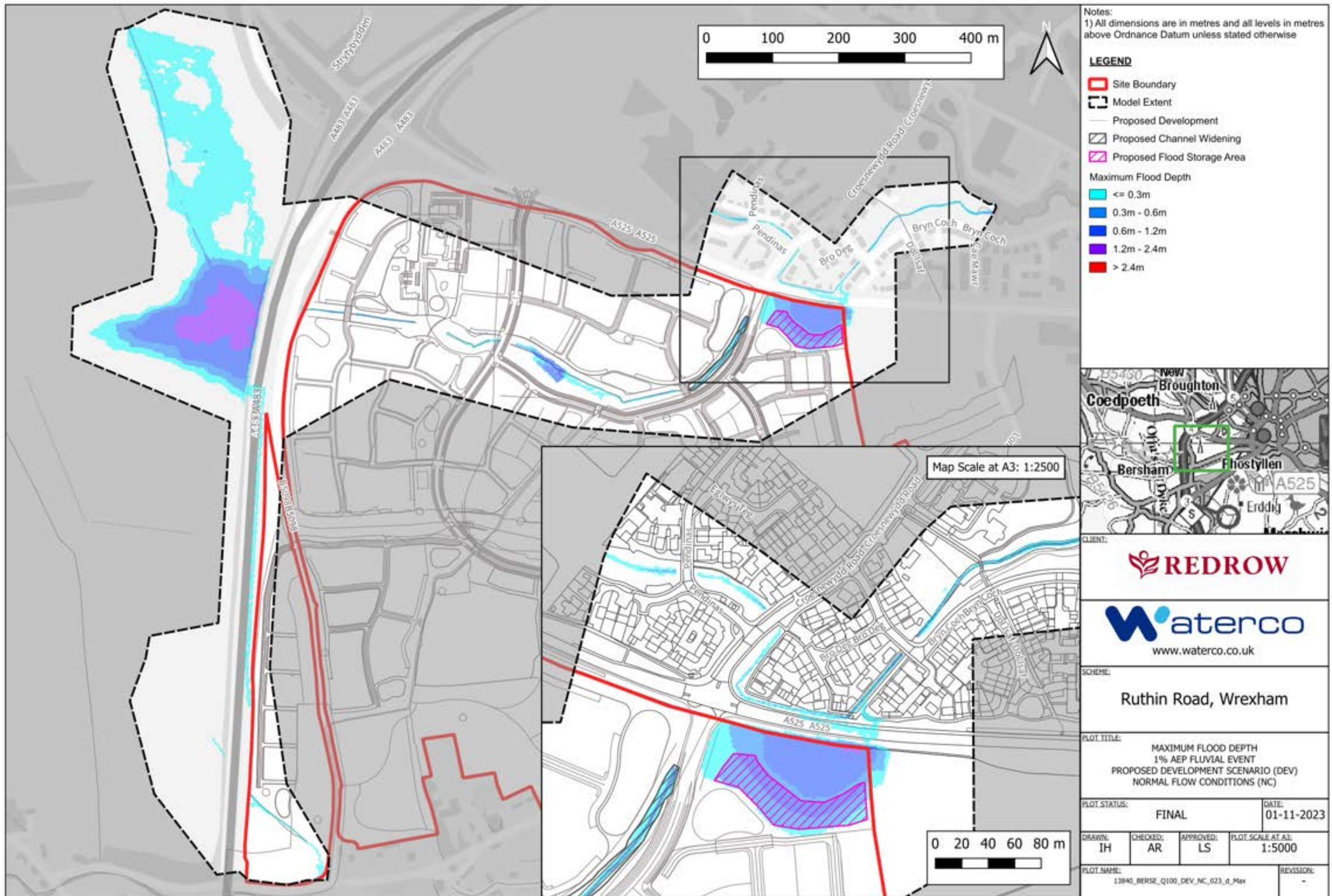
Appendix G Modelled Outputs











Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Model Extent
- Proposed Development
- Proposed Channel Widening
- Proposed Flood Storage Area

Maximum Flood Depth

- ≤ 0.3m
- 0.3m - 0.6m
- 0.6m - 1.2m
- 1.2m - 2.4m
- > 2.4m



CLIENT:

REDROW

waterco
www.waterco.co.uk

SCHEME:

Ruthin Road, Wrexham

PLOT TITLE:

MAXIMUM FLOOD DEPTH
1% AEP FLUVIAL EVENT
PROPOSED DEVELOPMENT SCENARIO (DEV)
NORMAL FLOW CONDITIONS (NC)

PLOT STATUS:

FINAL

DATE:

01-11-2023

DRAWN:

IH

CHECKED:

AR

APPROVED:

LS

PLOT SCALE AT A3:

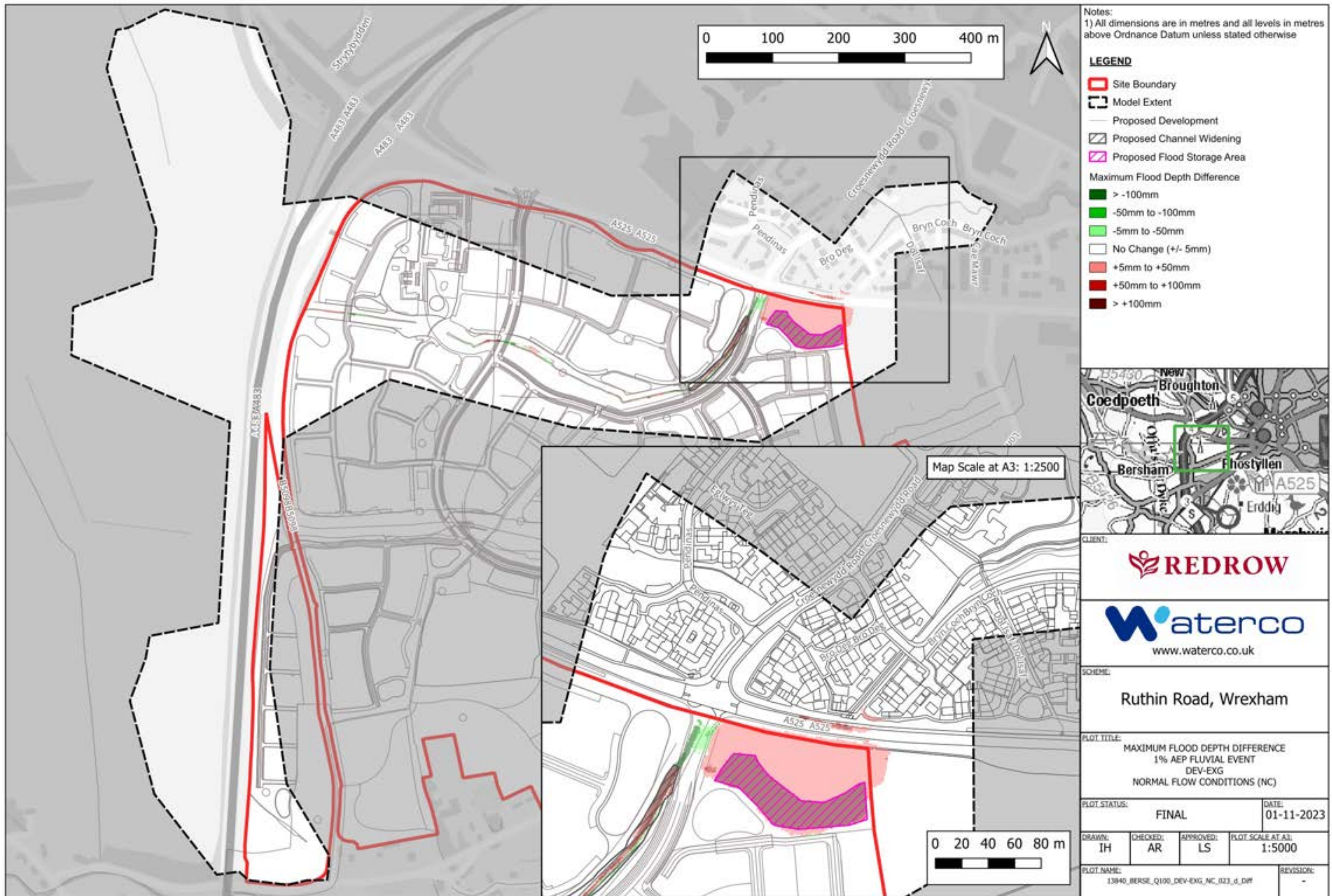
1:5000

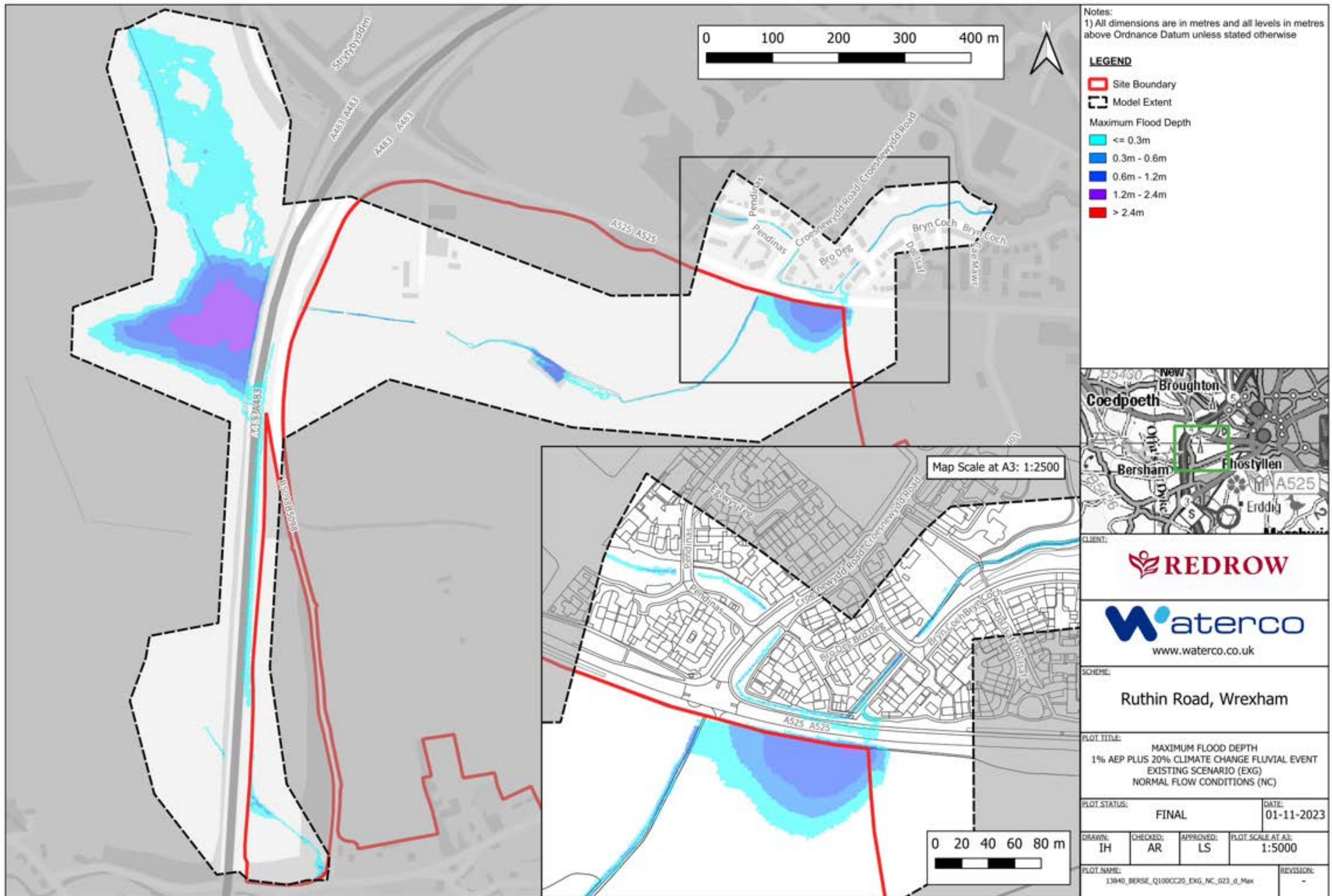
PLOT NAME:

13840_BERSE_Q100_DEV_NC_023_d_Max

REVISION:

1





Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Model Extent
- Maximum Flood Depth
 - ≤ 0.3m
 - 0.3m - 0.6m
 - 0.6m - 1.2m
 - 1.2m - 2.4m
 - > 2.4m



CLIENT:
REDROW

waterco
www.waterco.co.uk

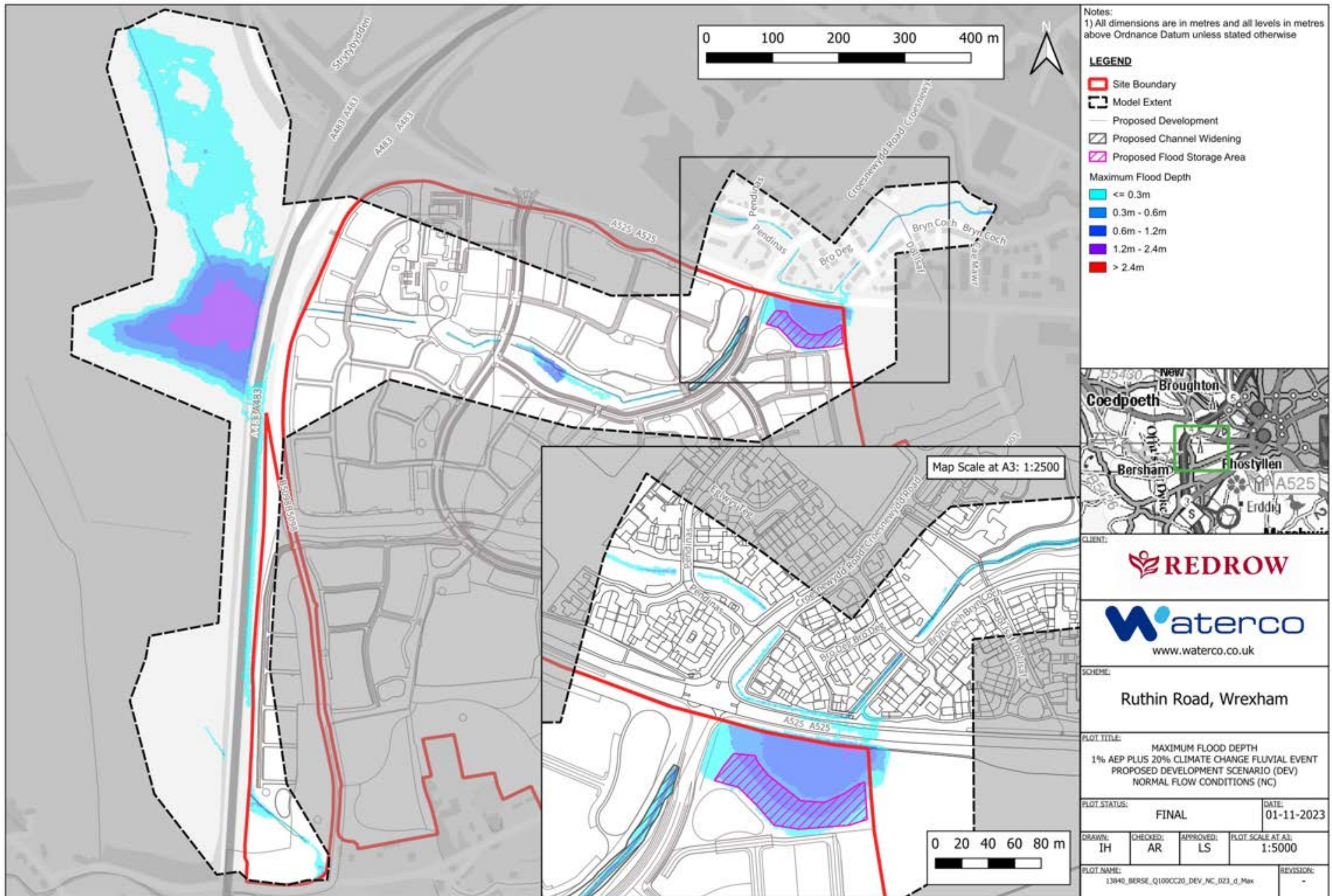
SCHEME:
Ruthin Road, Wrexham

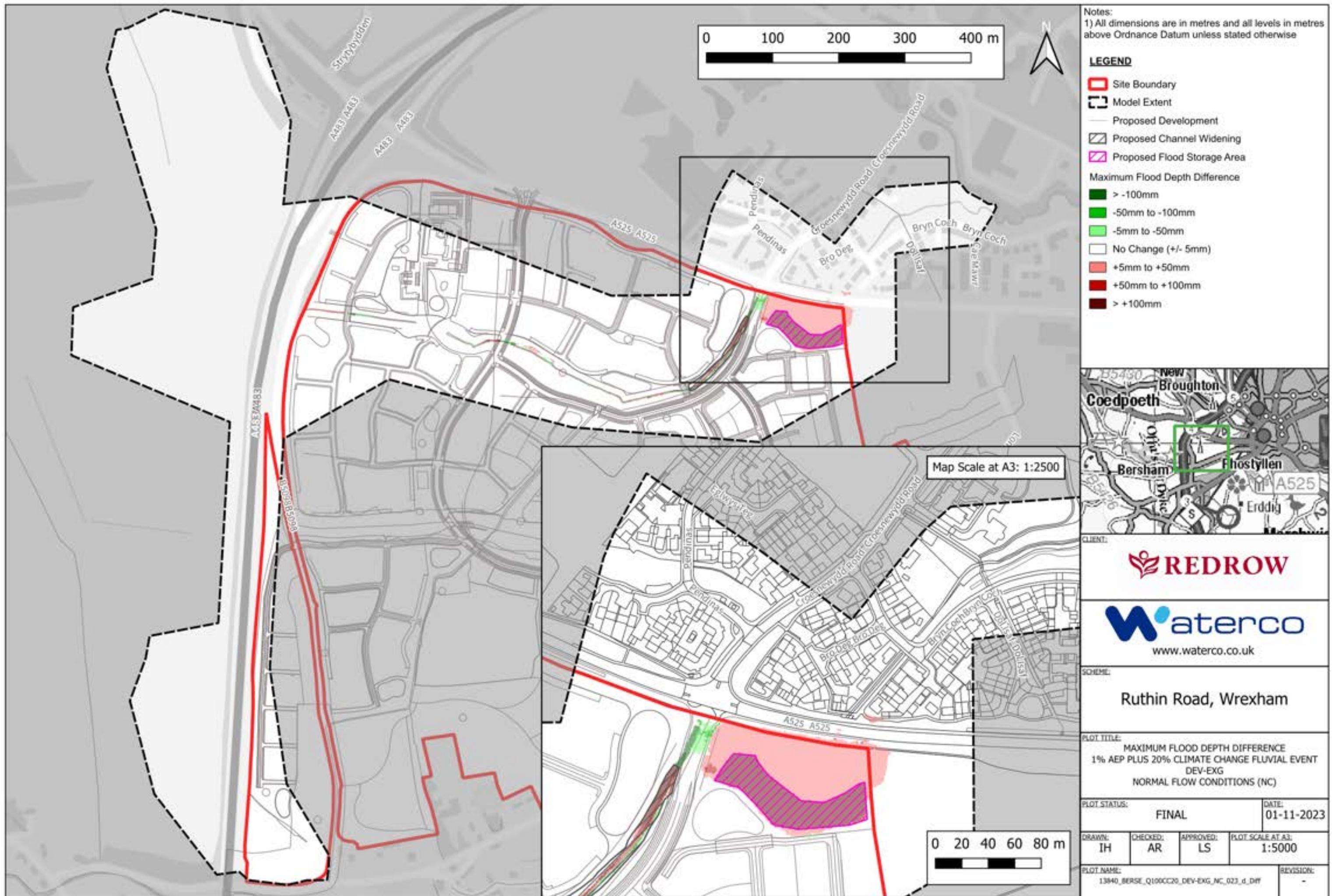
PLOT TITLE:
MAXIMUM FLOOD DEPTH
1% AEP PLUS 20% CLIMATE CHANGE FLUVIAL EVENT
EXISTING SCENARIO (EXG)
NORMAL FLOW CONDITIONS (NC)

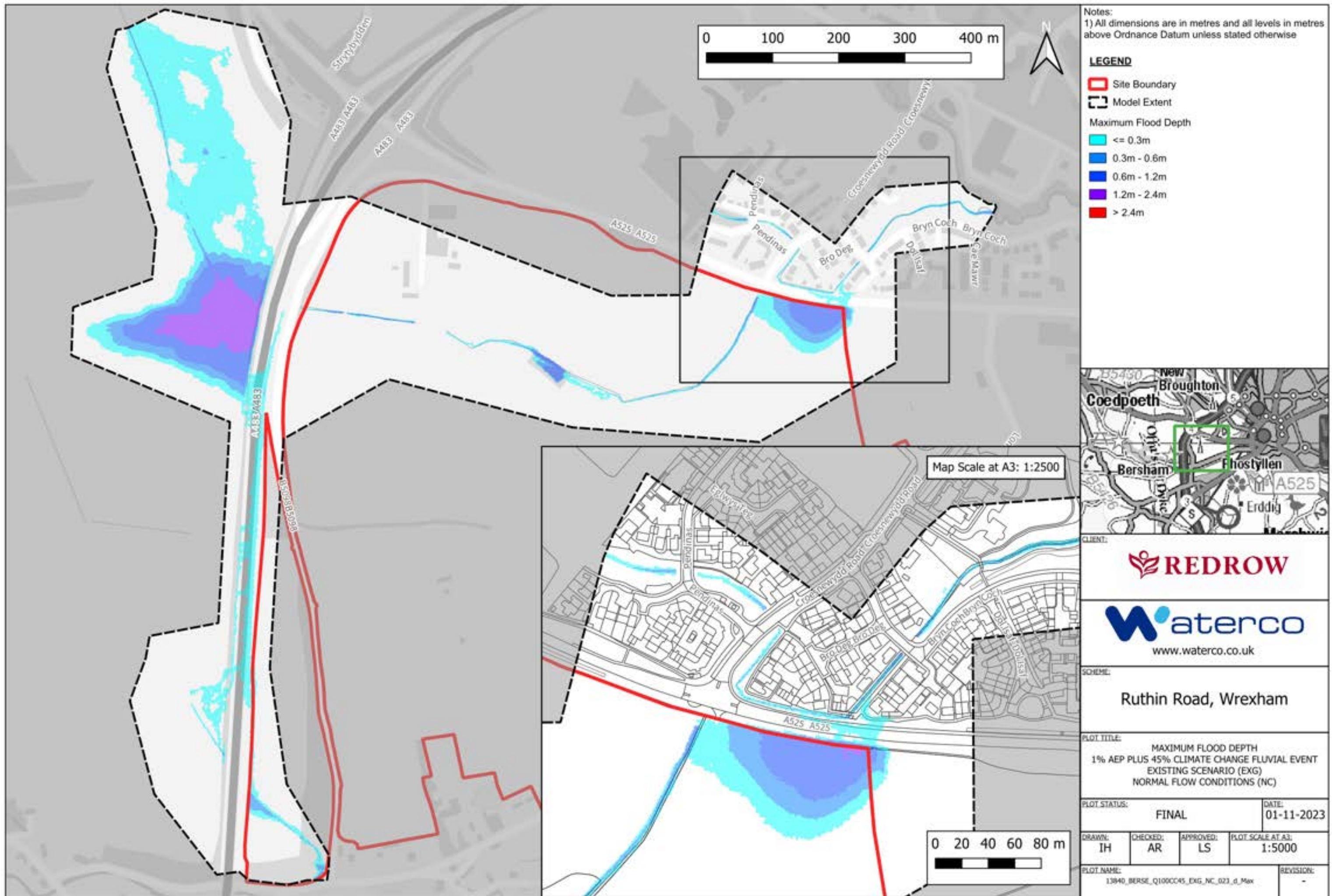
PLOT STATUS: FINAL
DATE: 01-11-2023

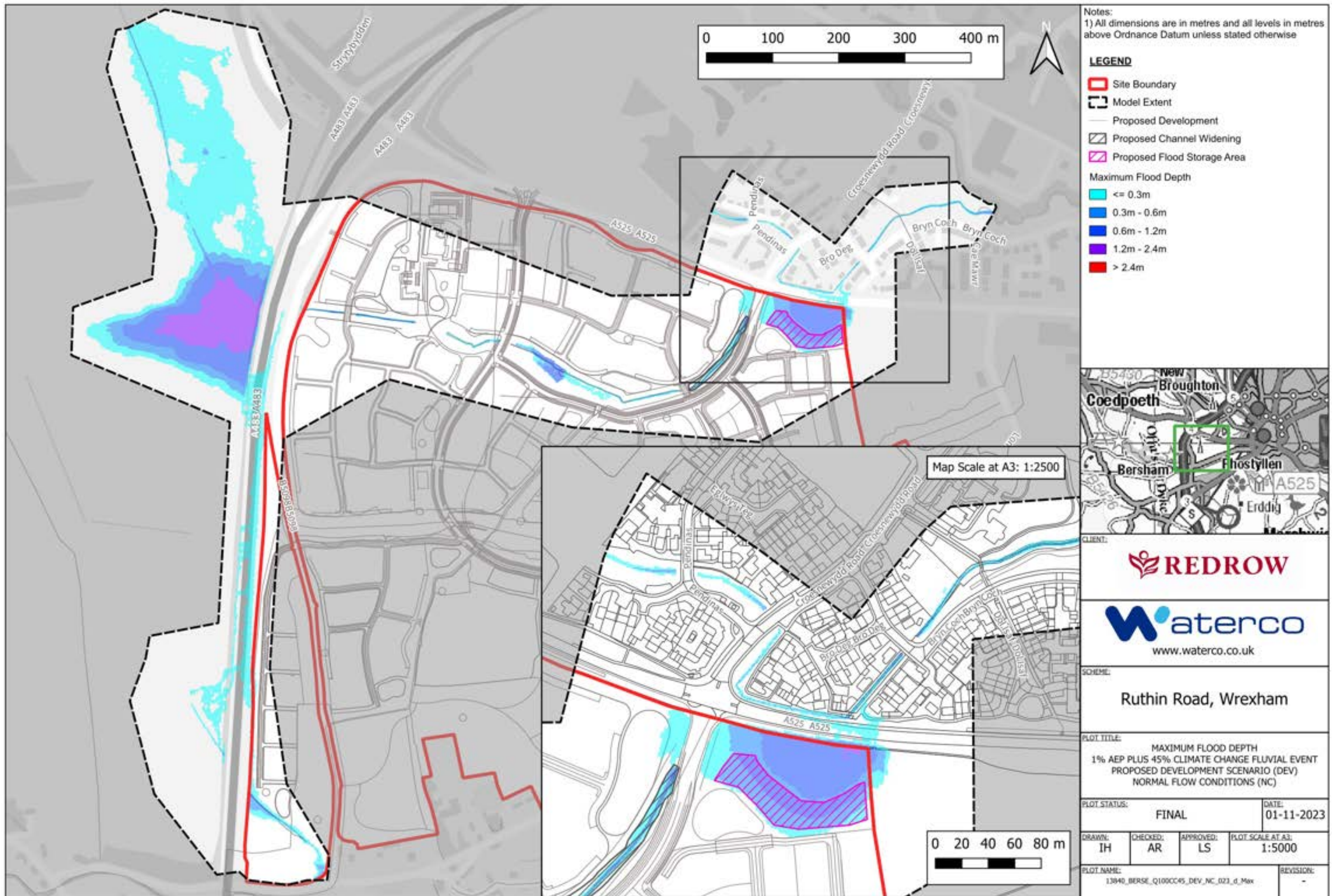
DRAWN: IH
CHECKED: AR
APPROVED: LS
PLOT SCALE AT A3: 1:5000

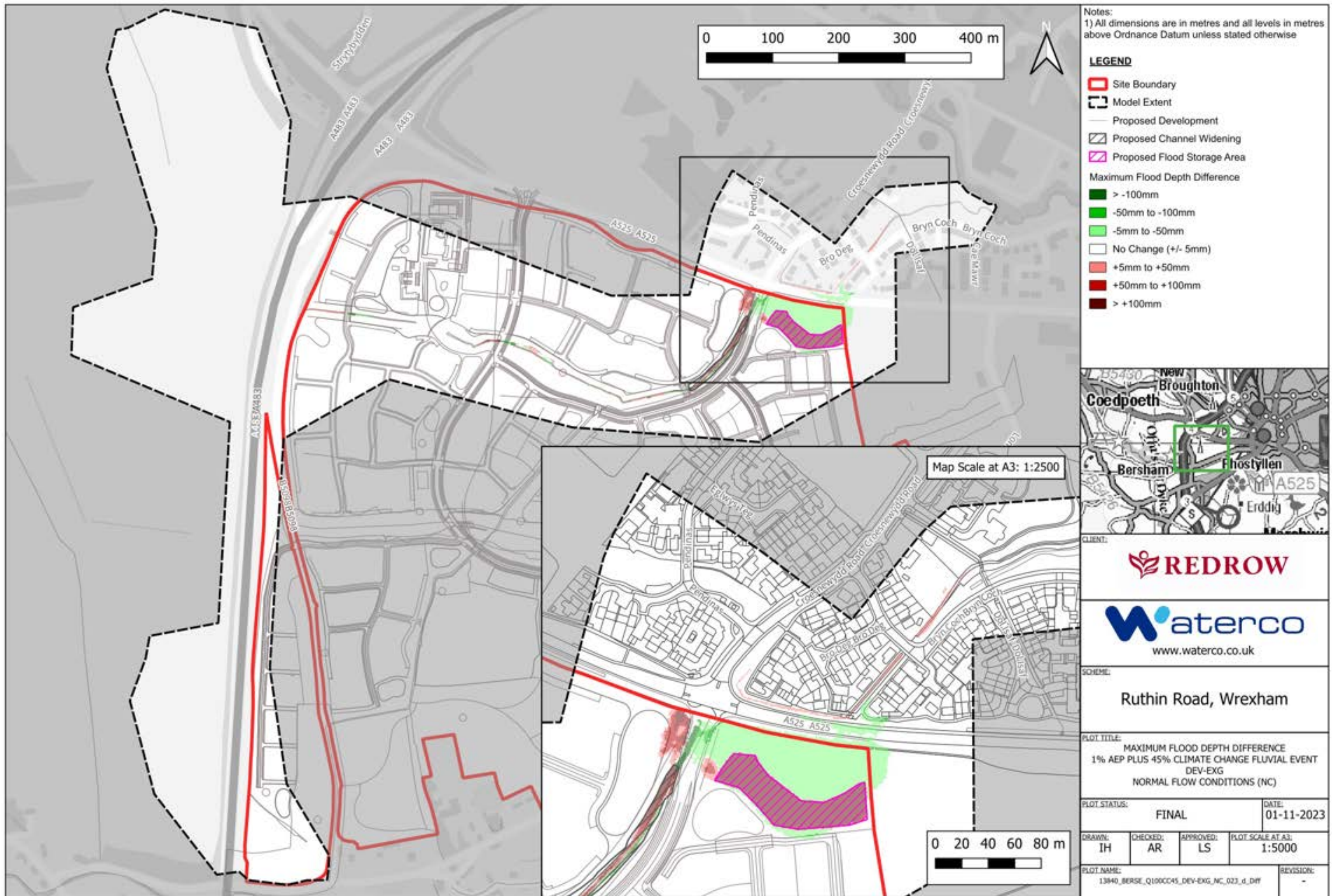
PLOT NAME: 13840_BERSE_Q100CC20_EXG_NC_023_d_Max
REVISION: -

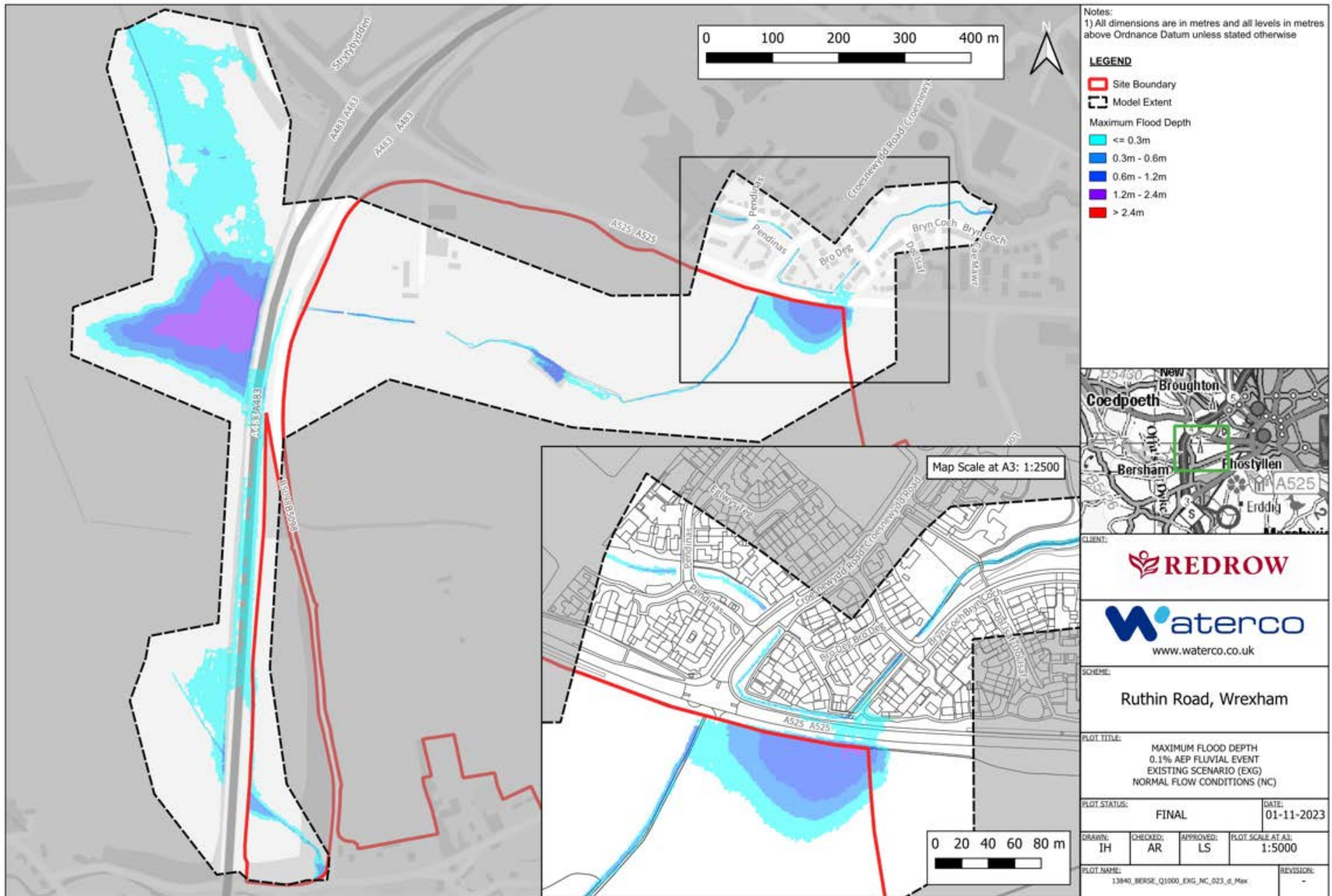


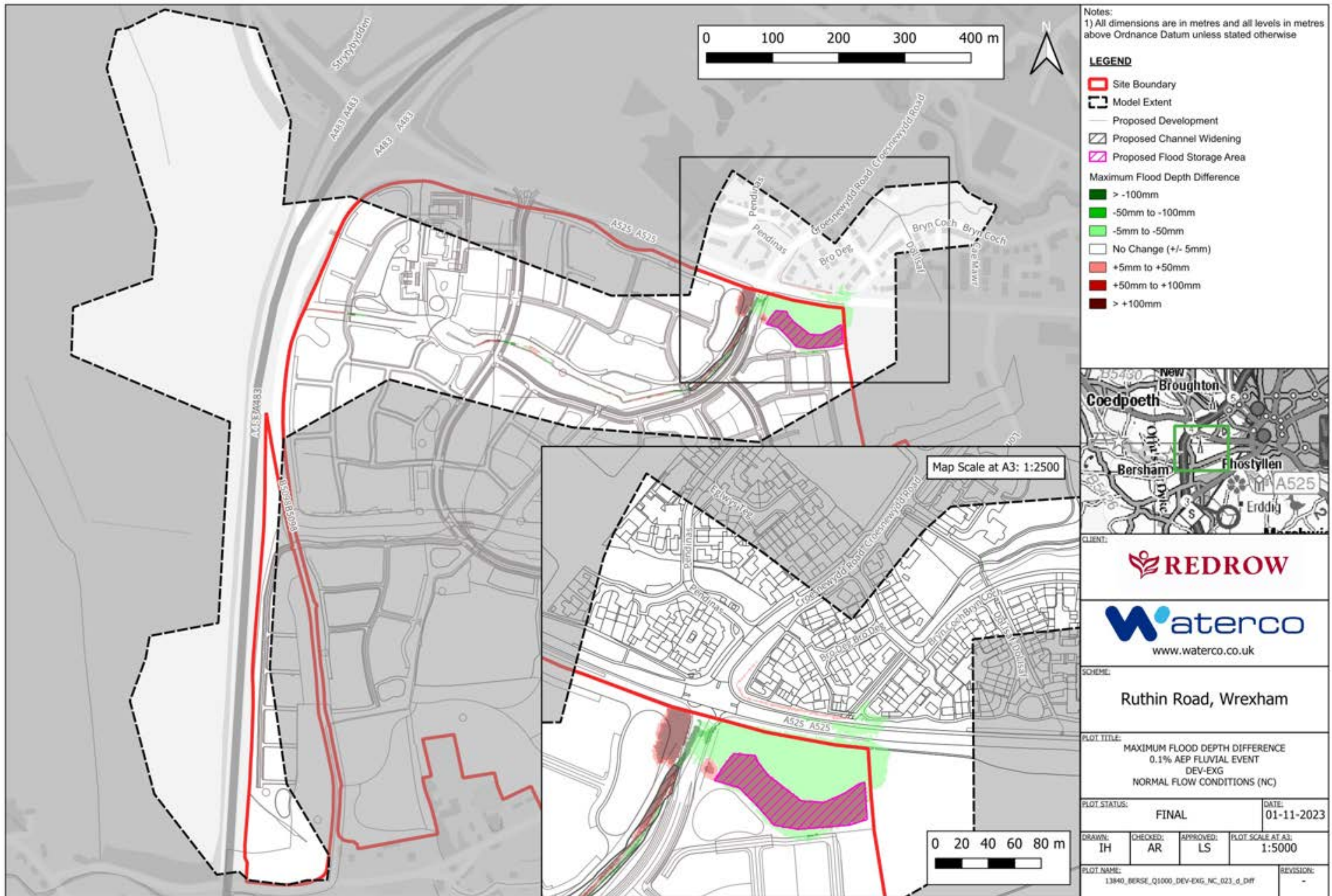


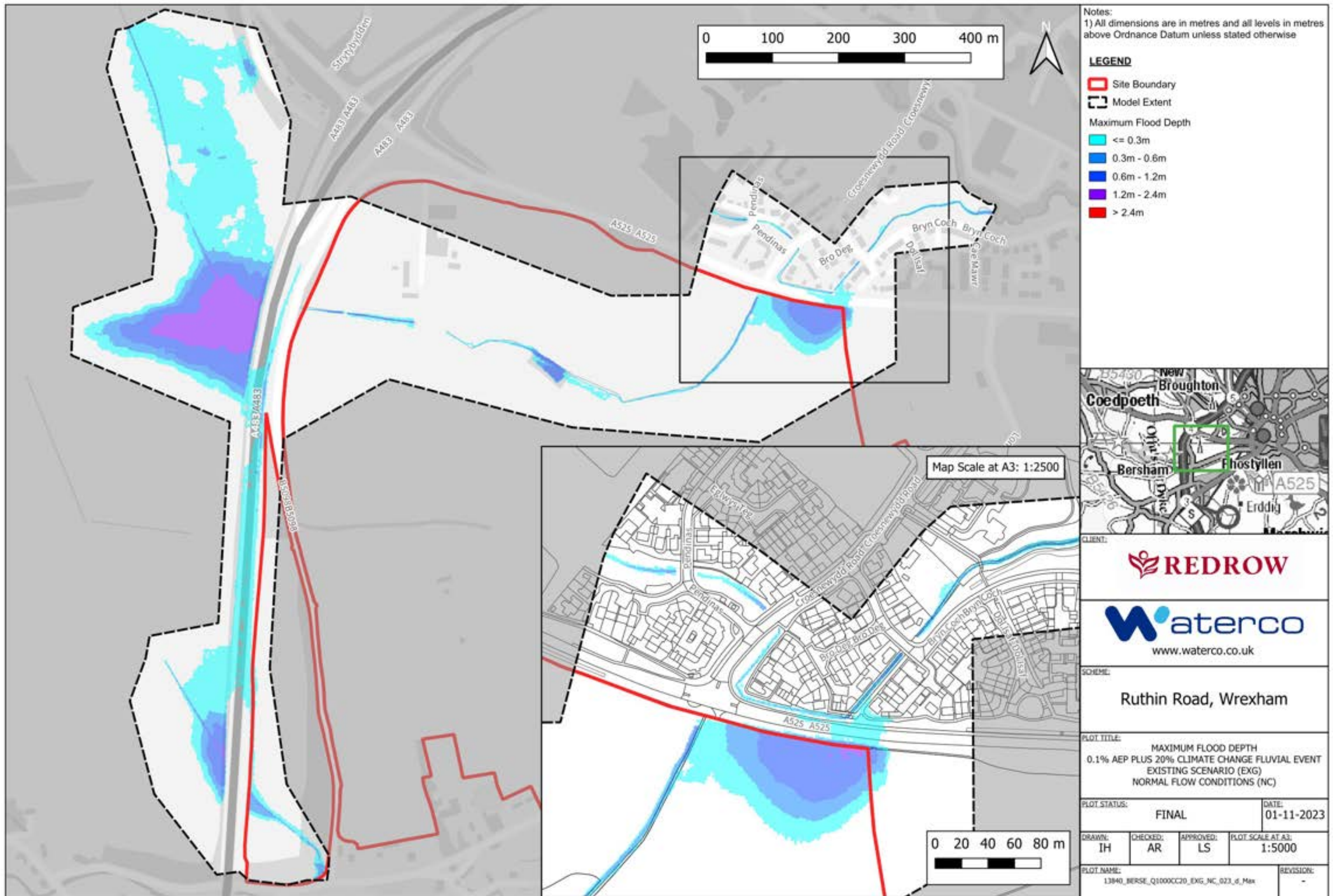


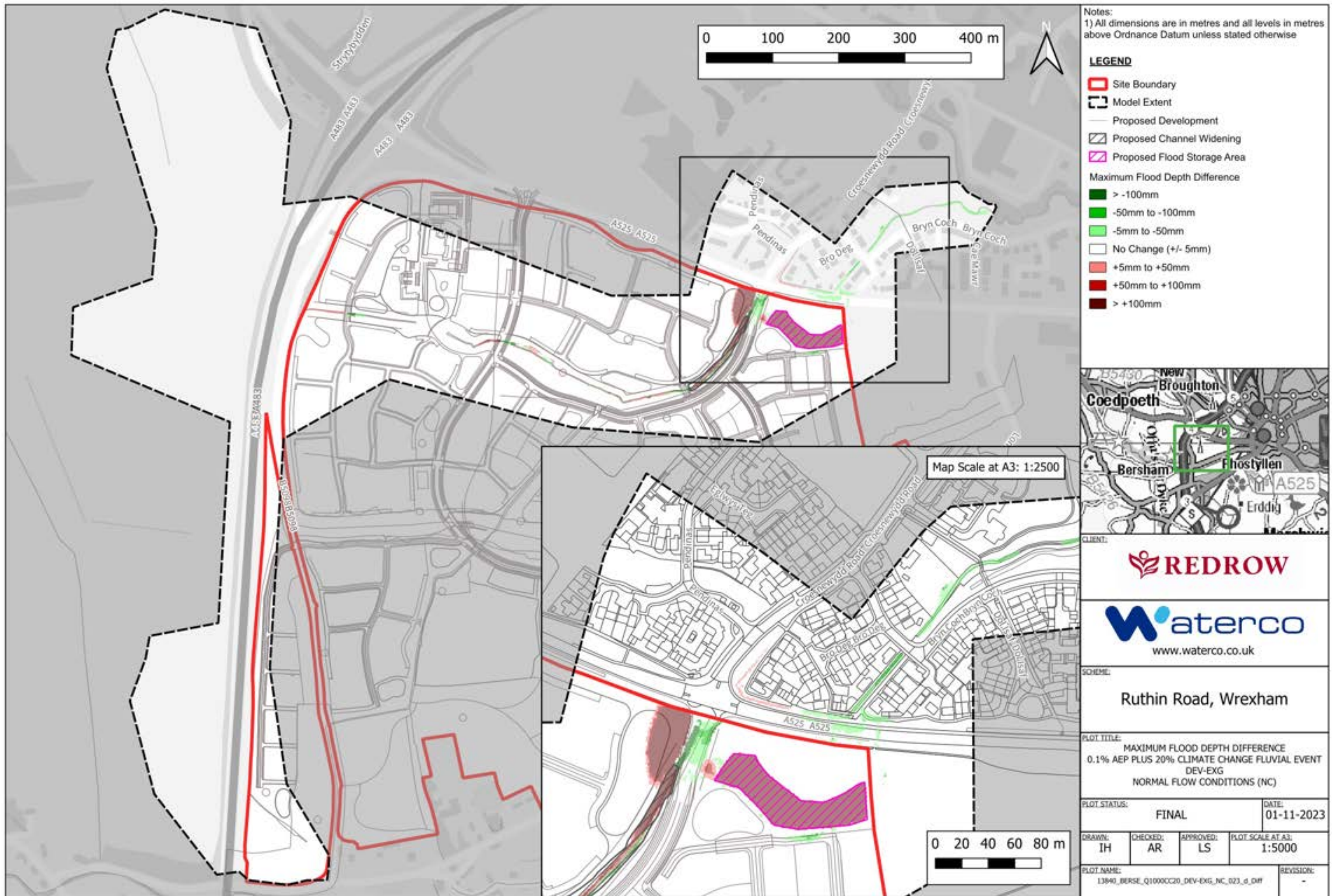


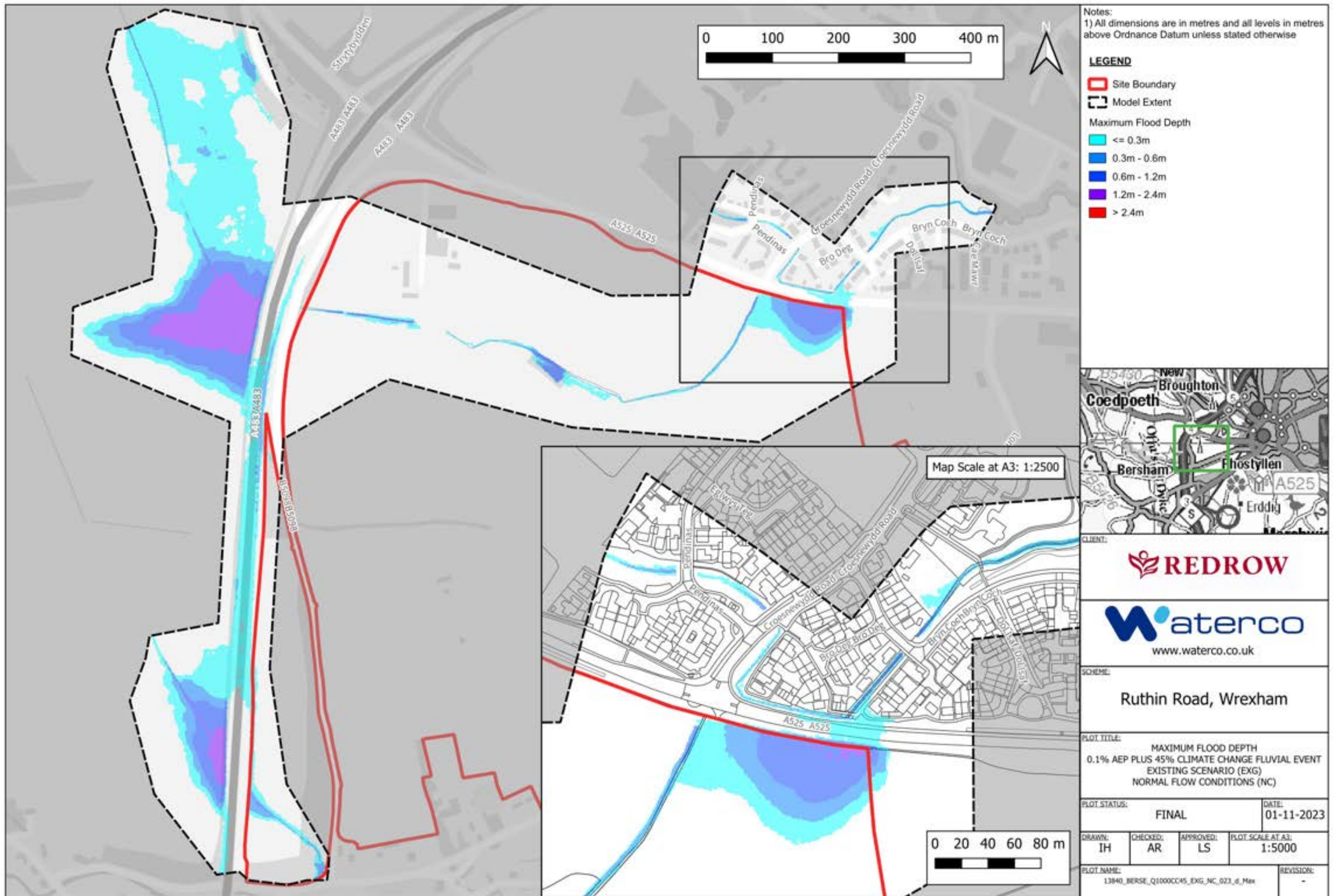


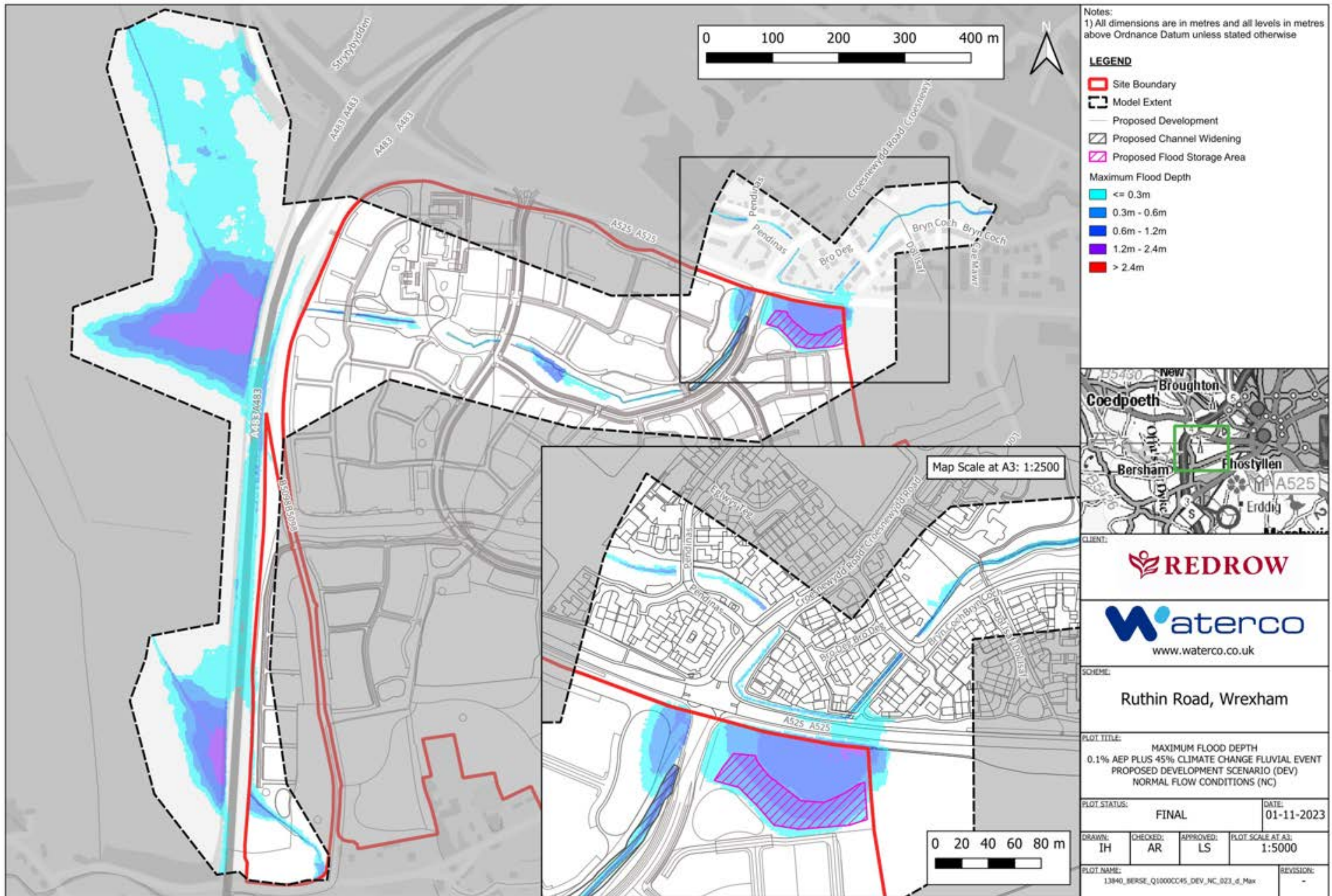


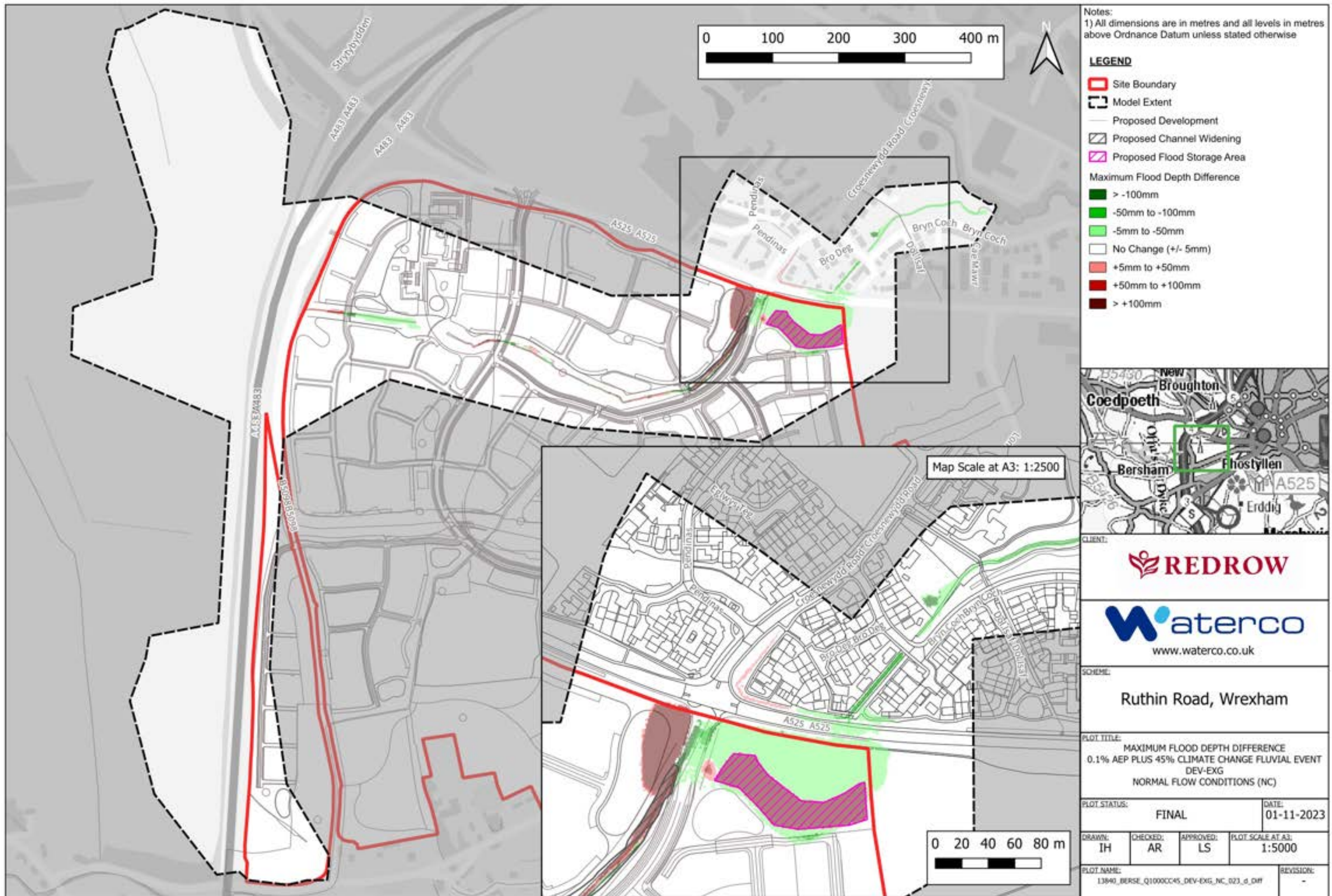


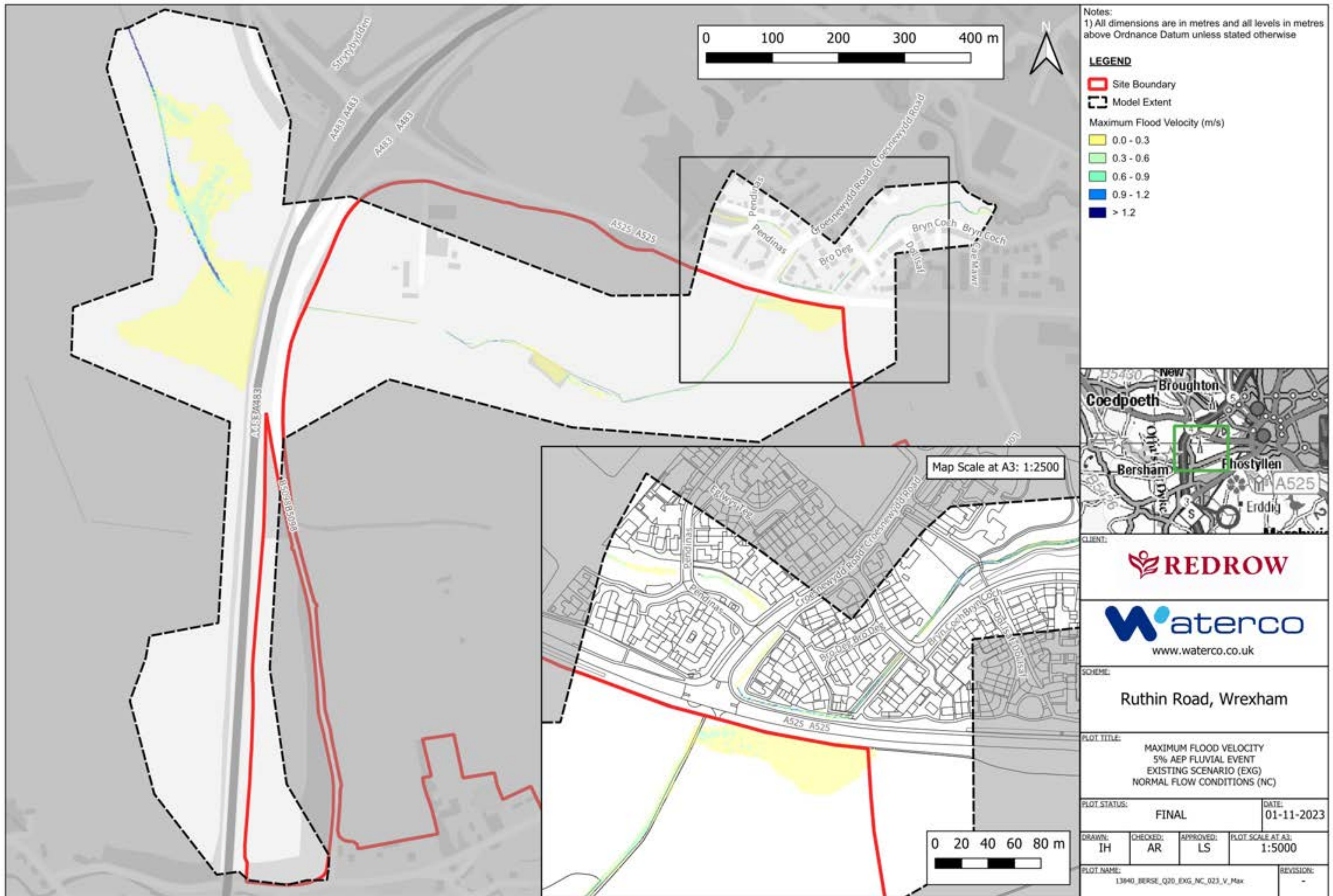


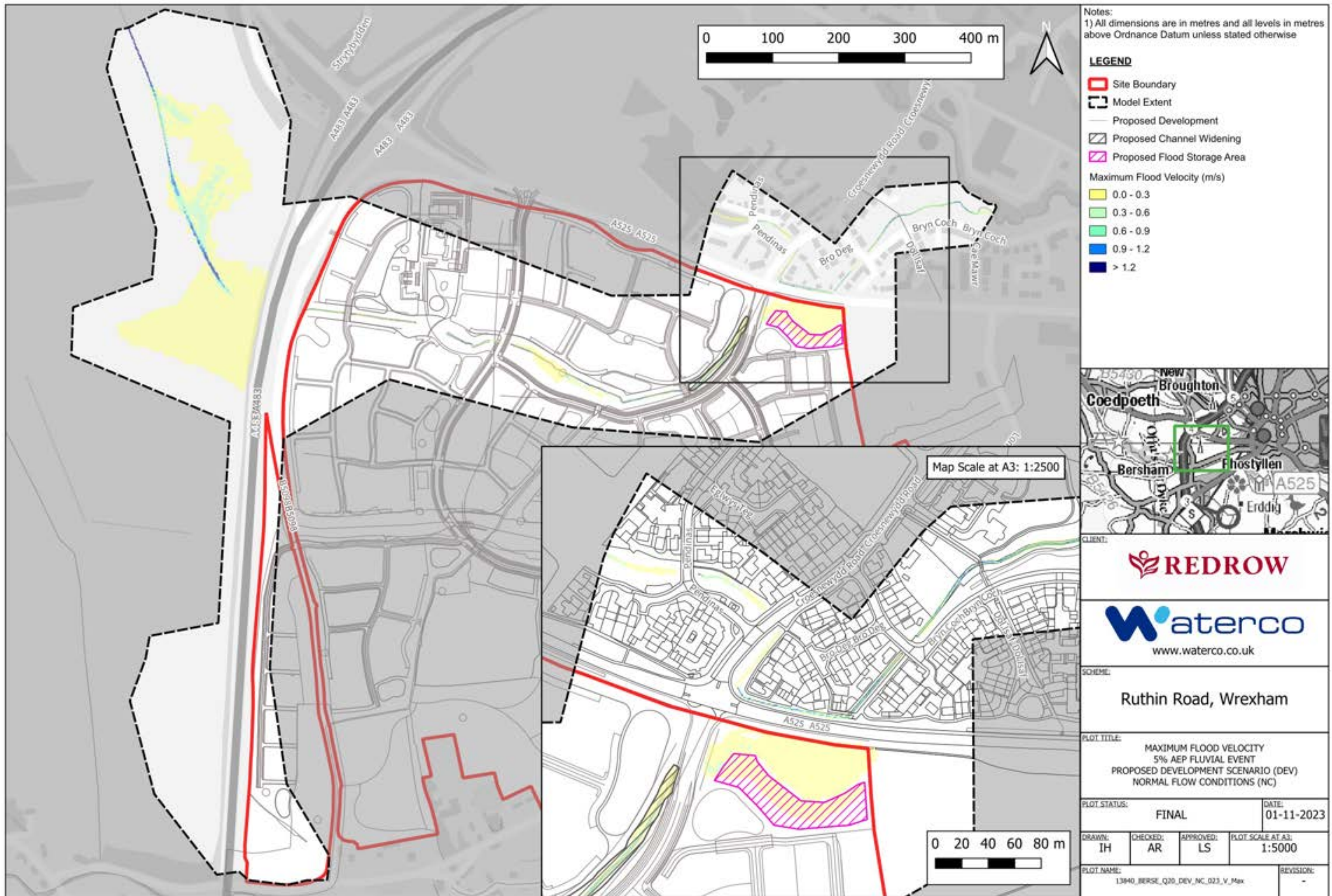


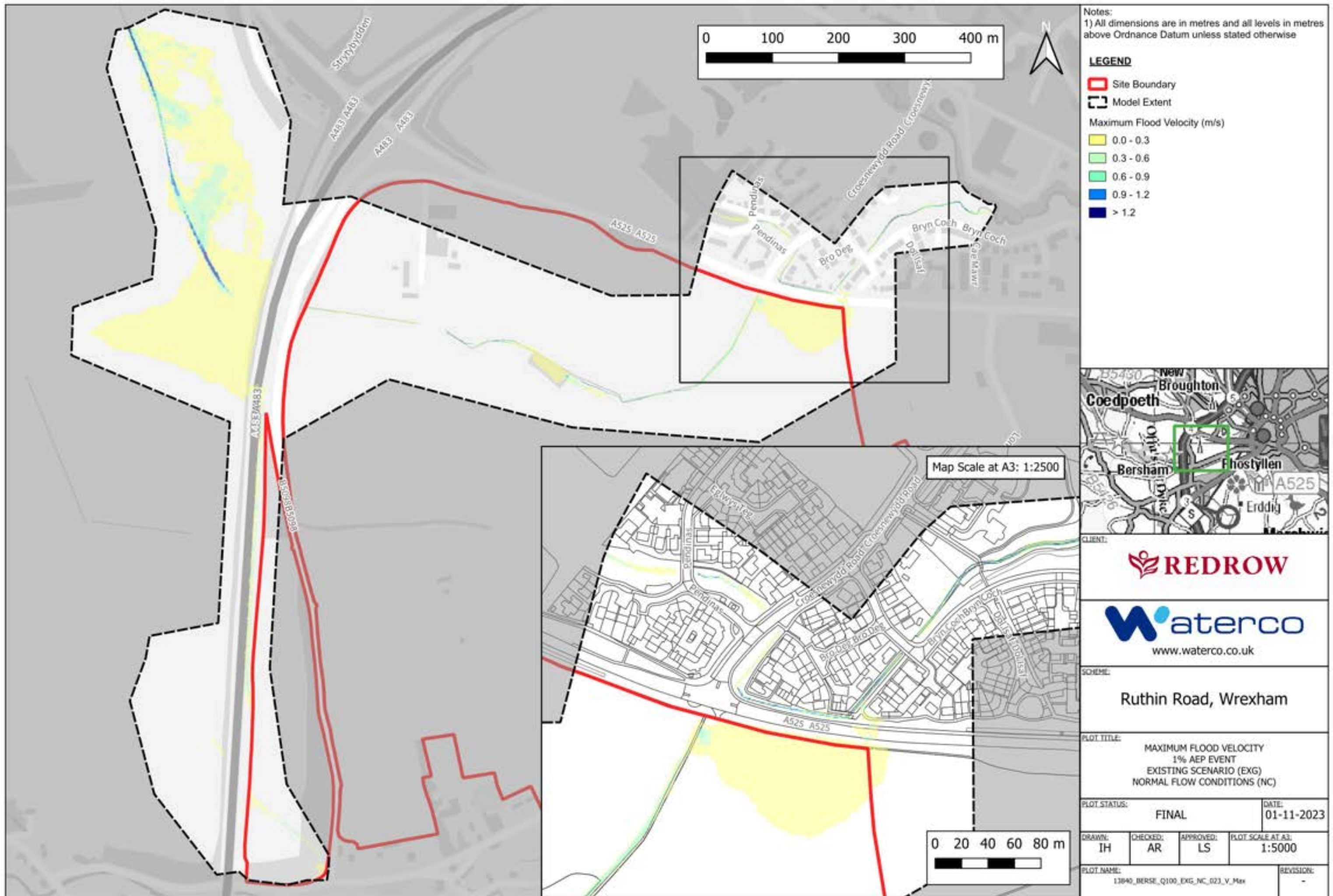


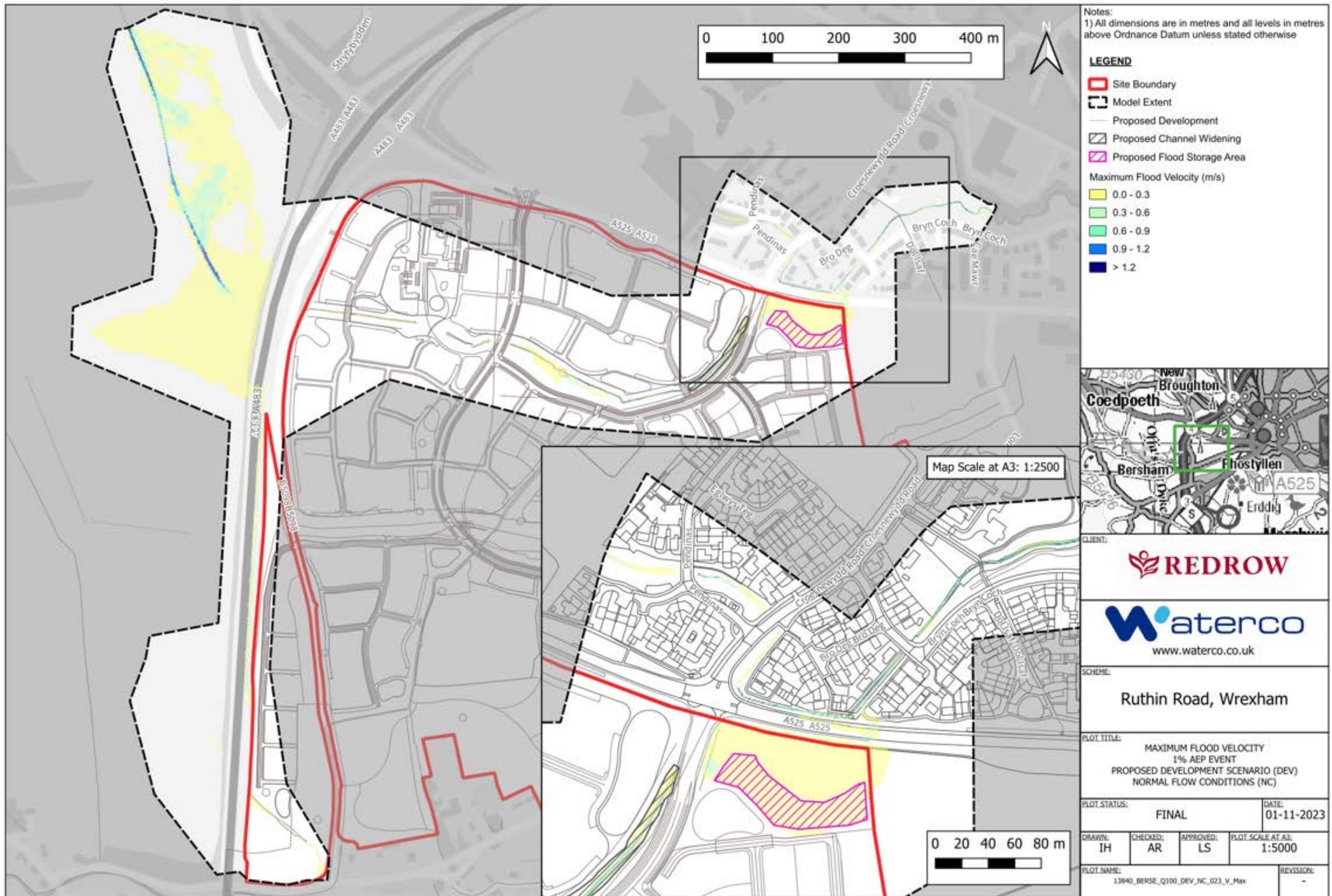


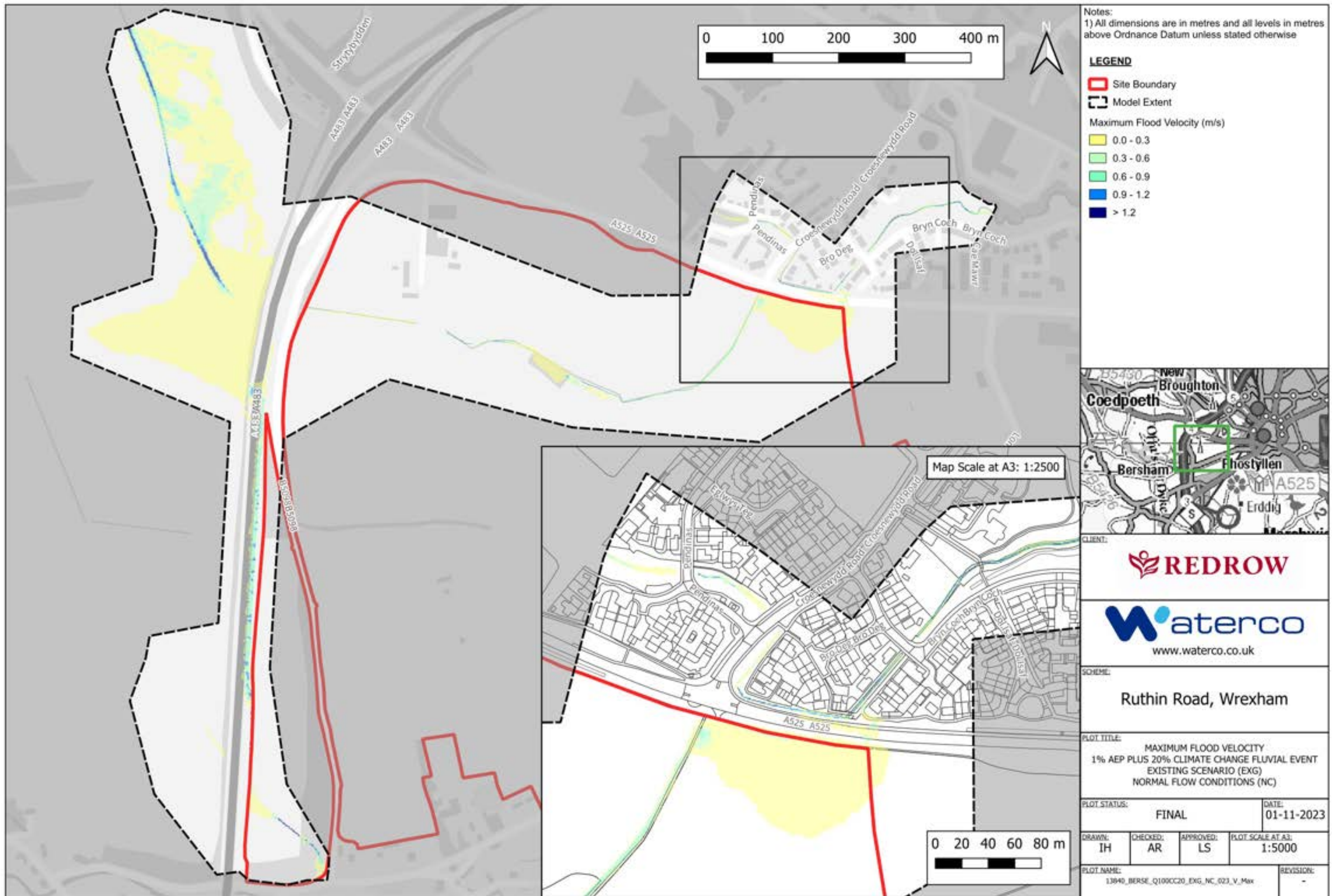


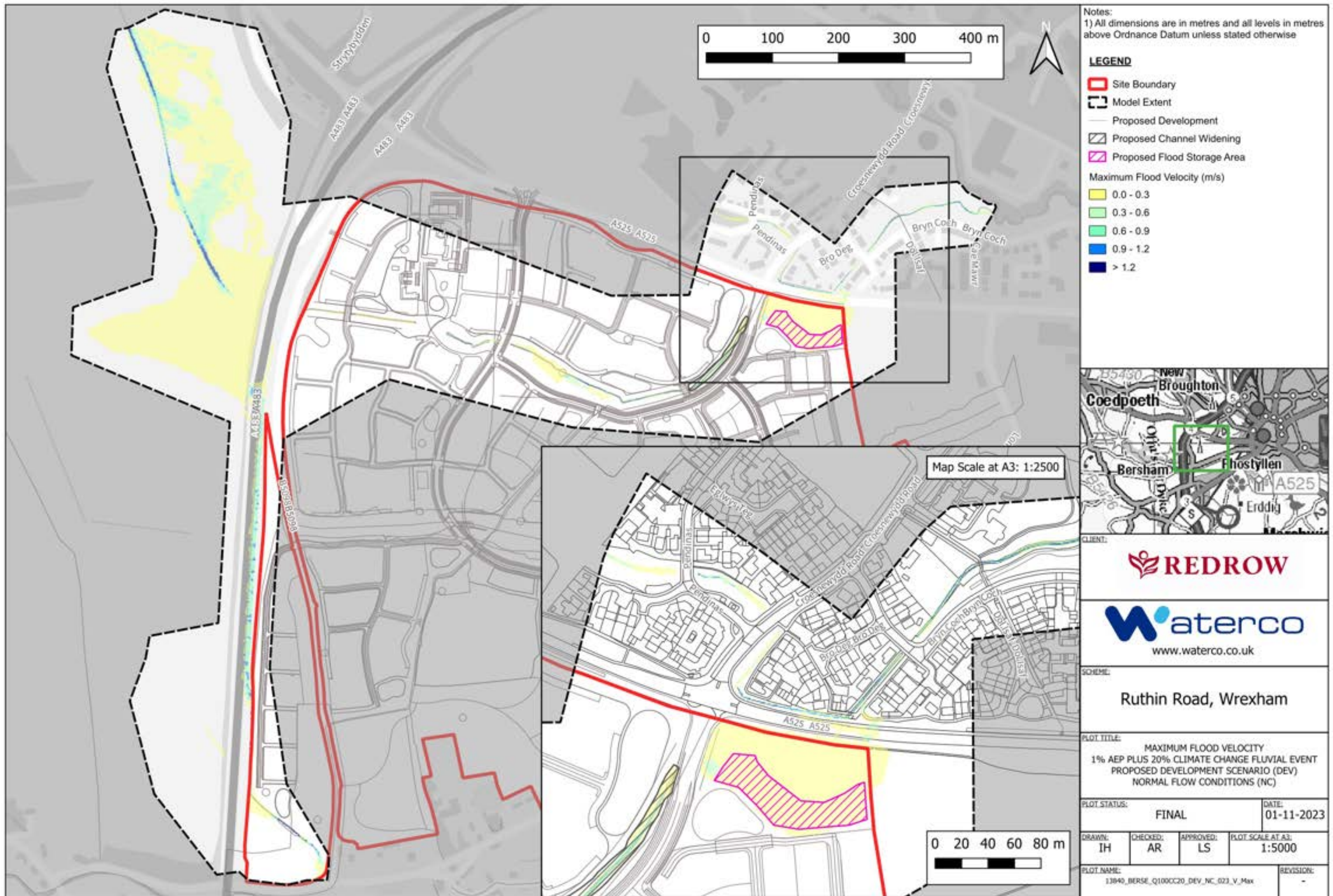


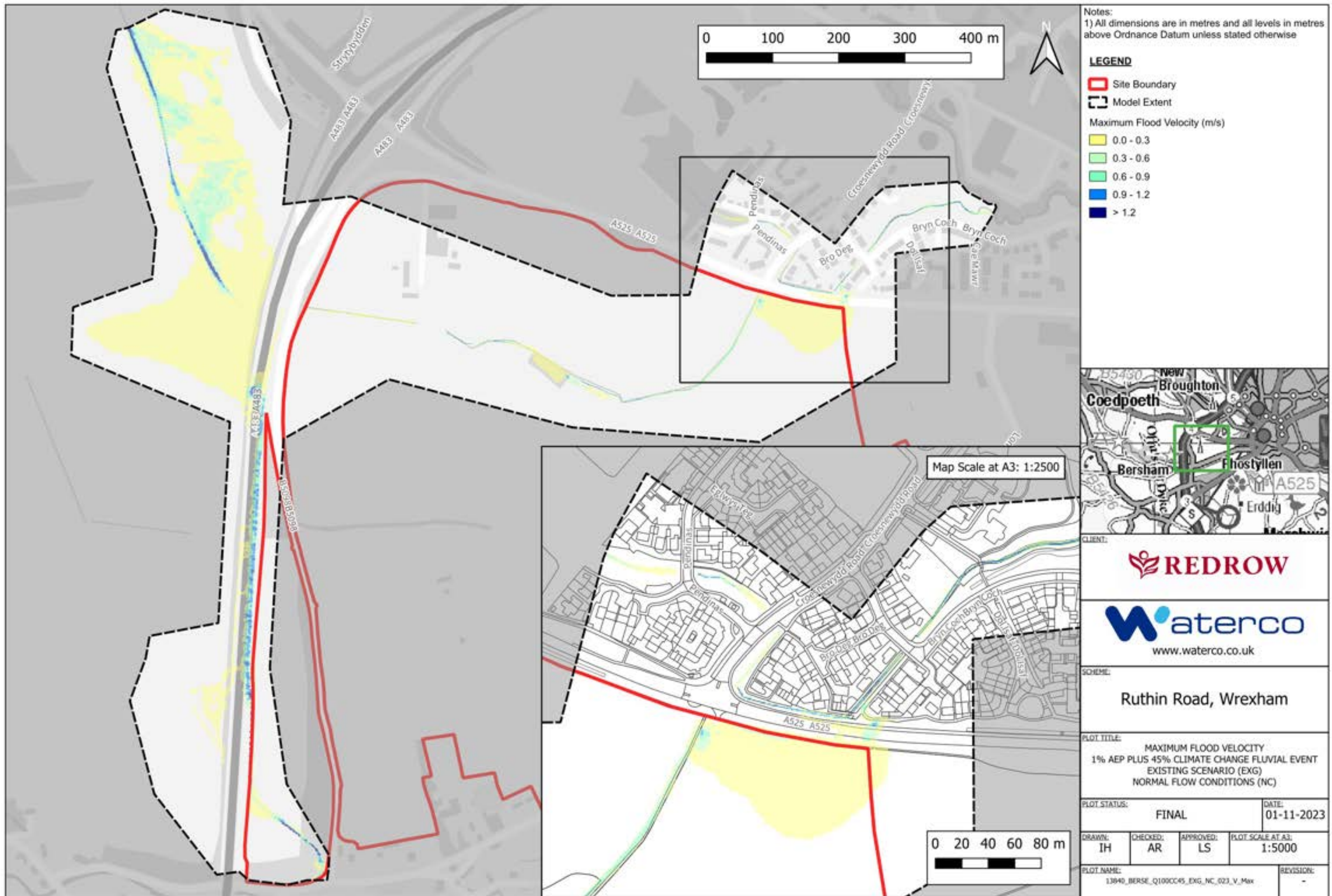


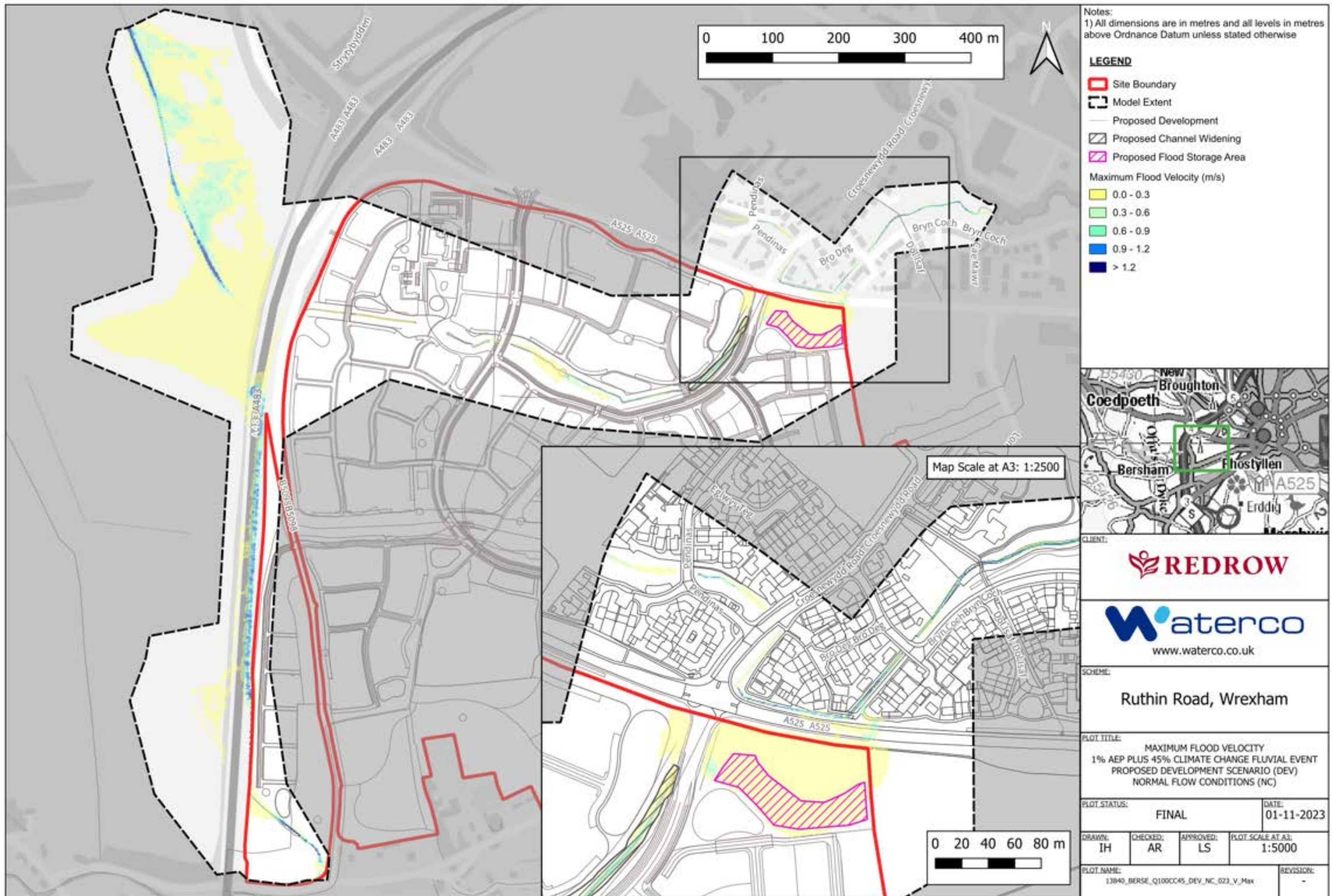


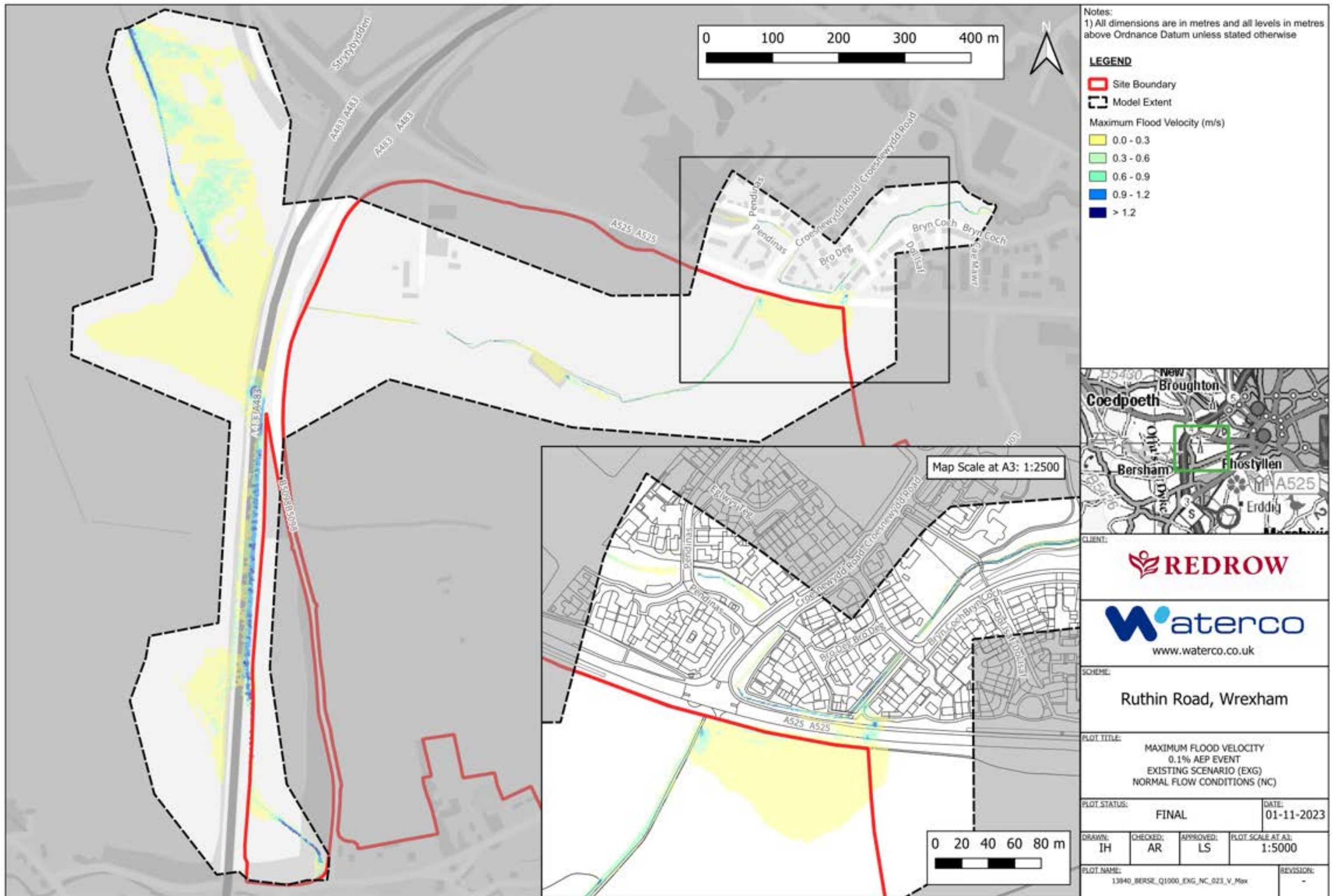


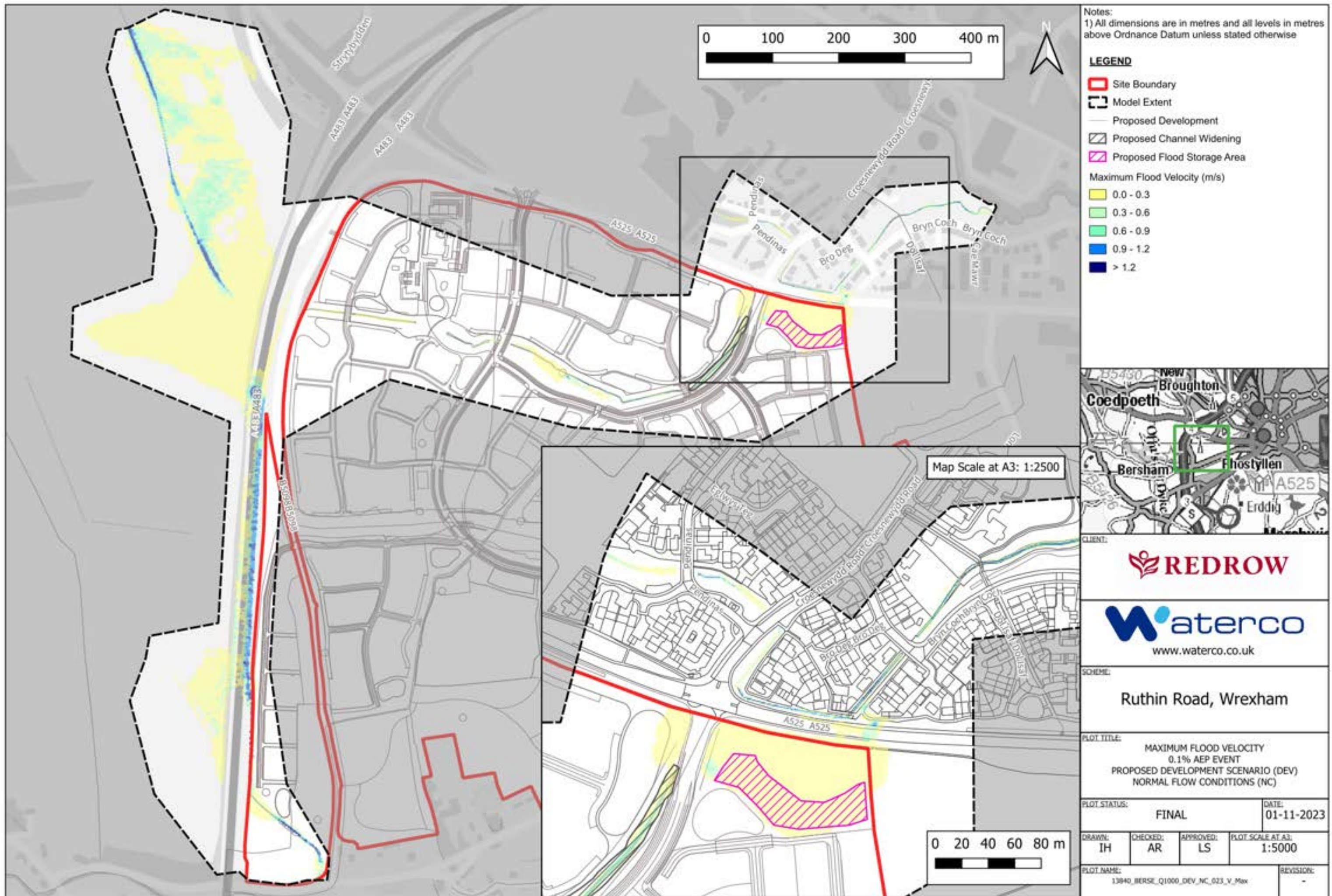


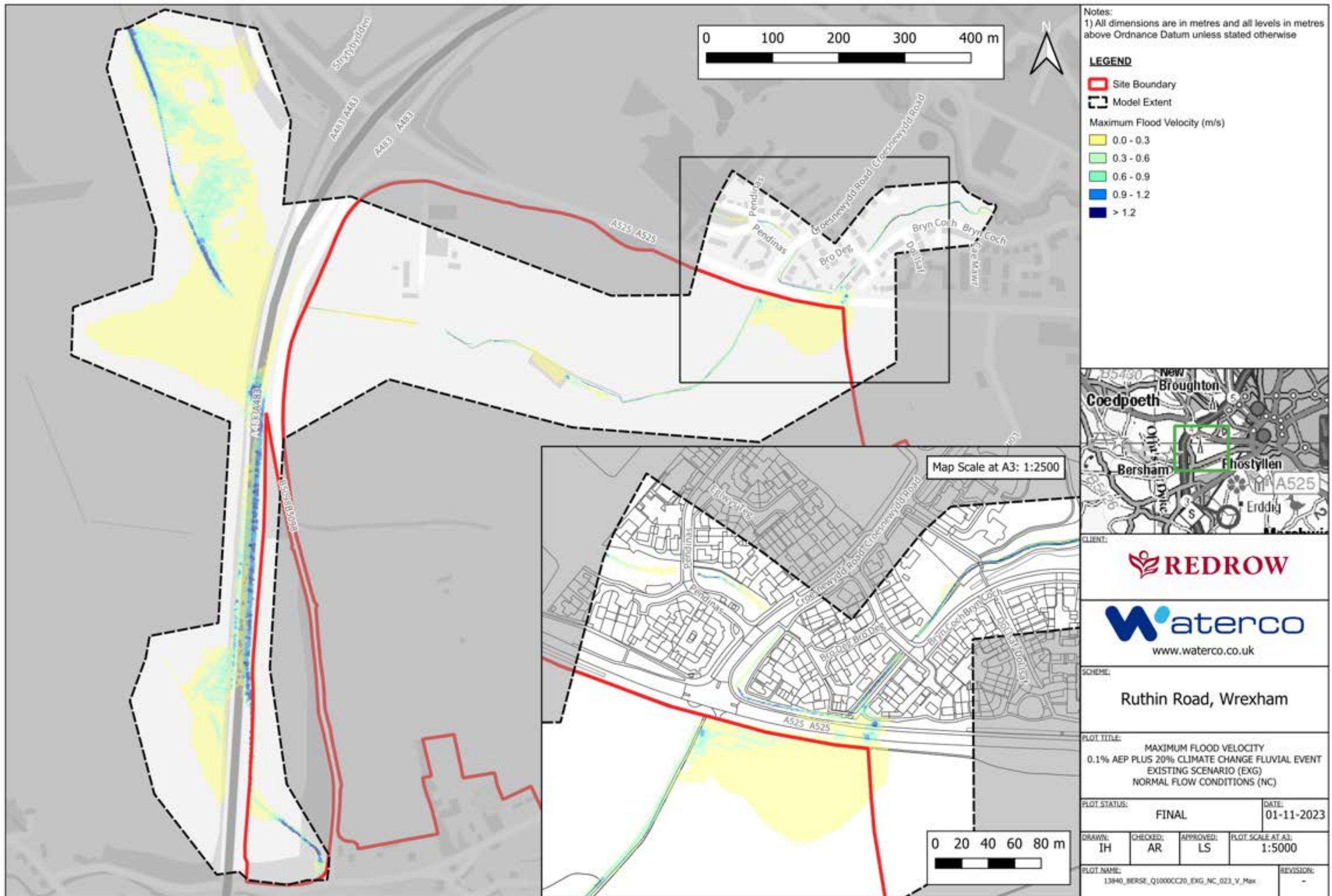


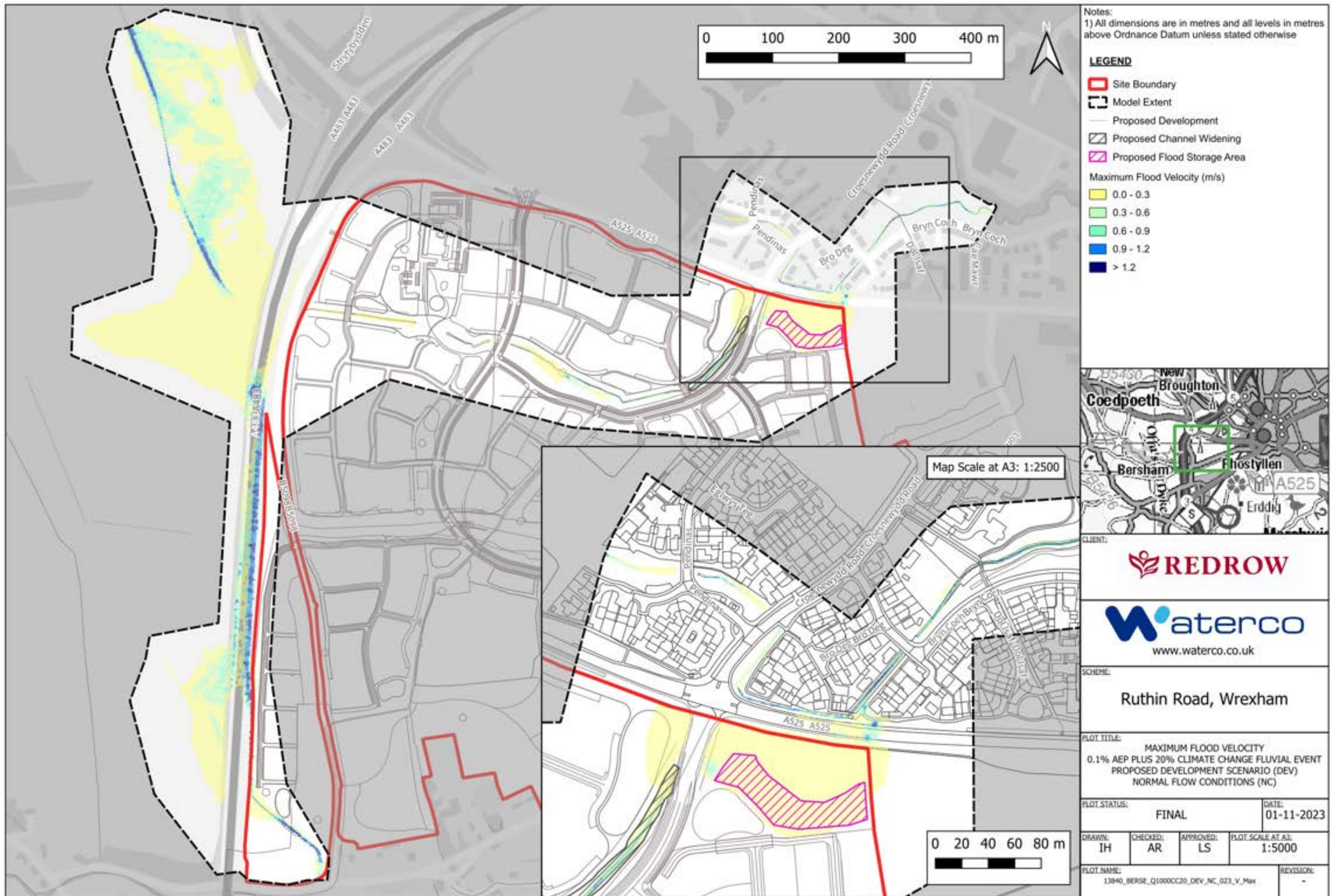


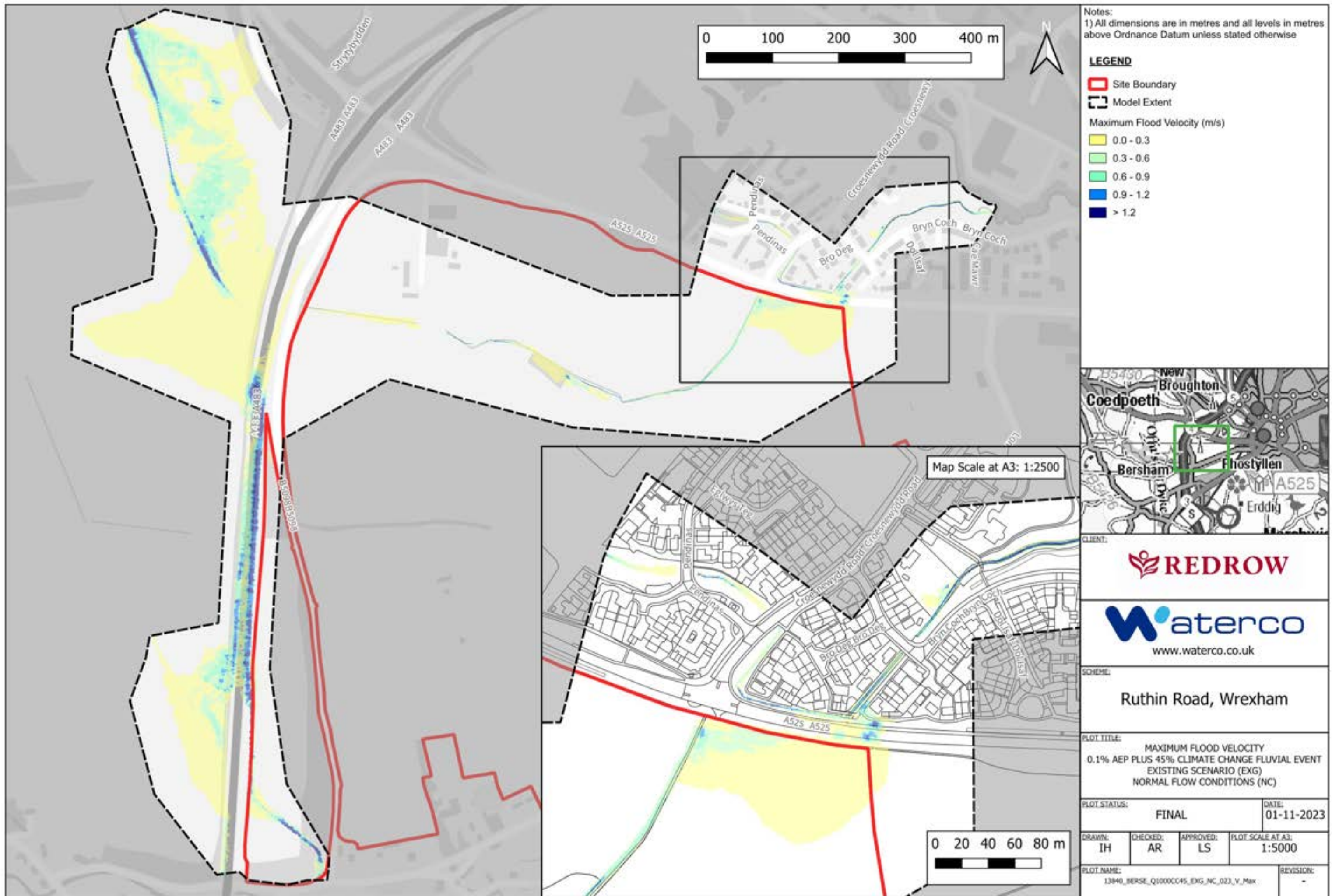


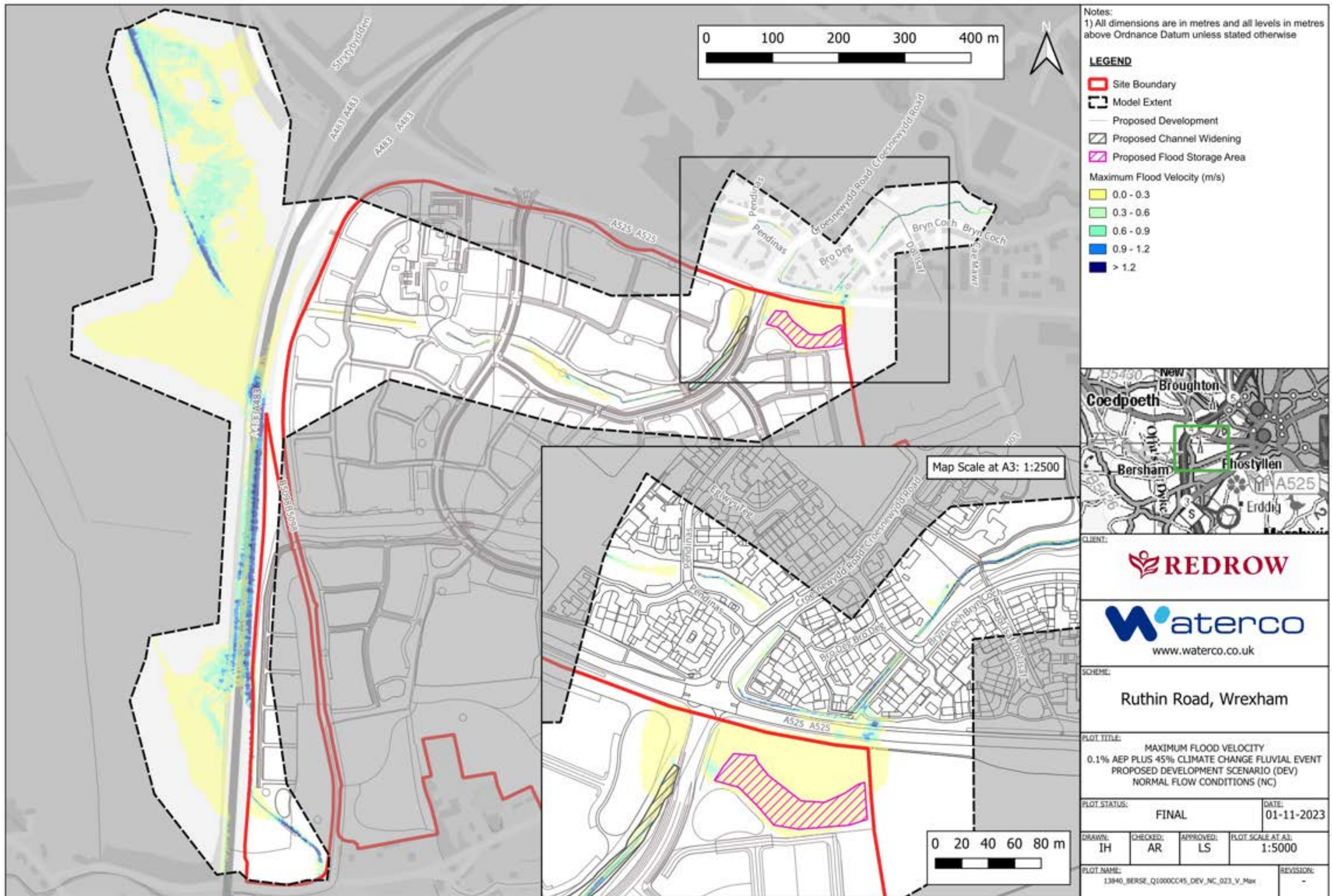


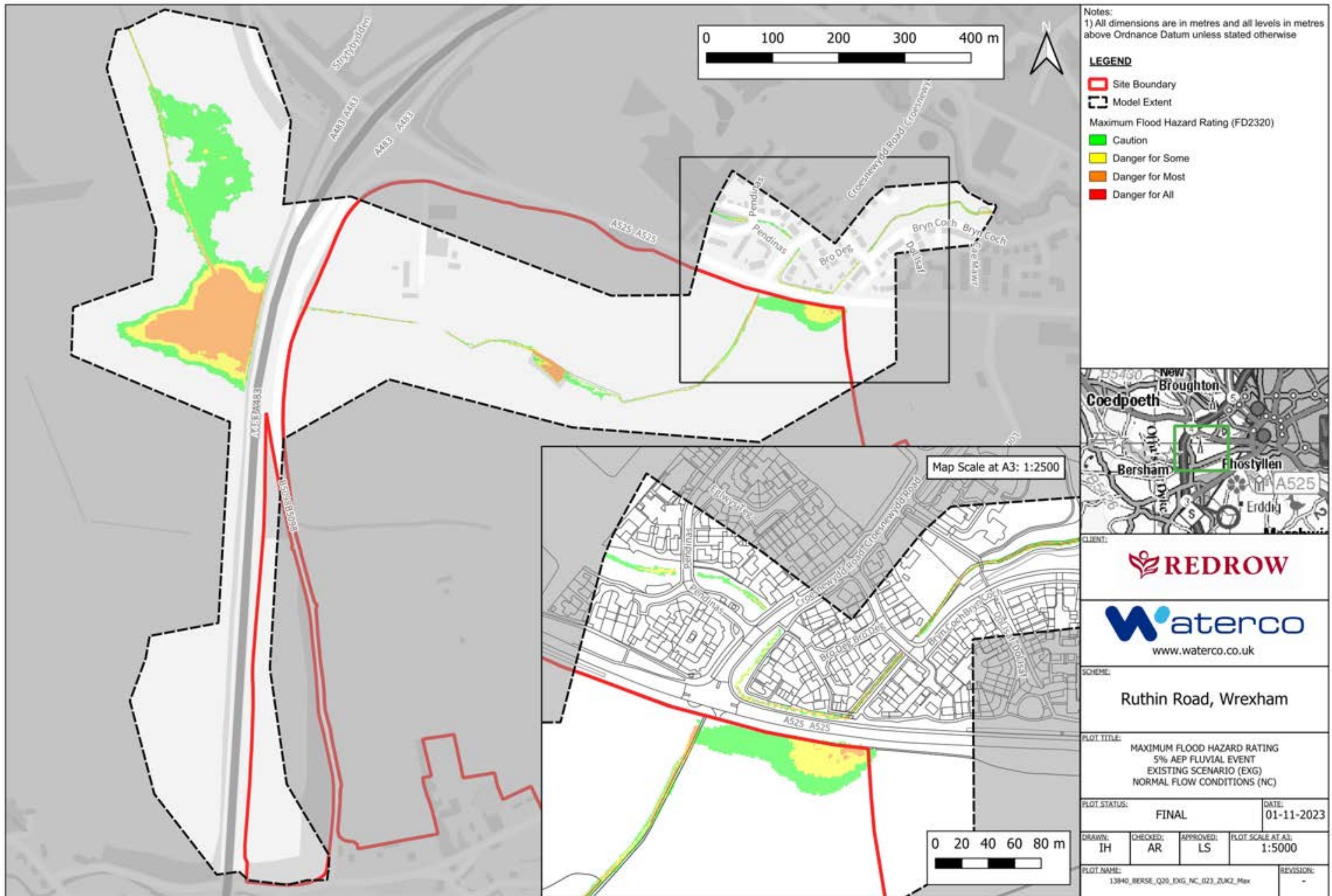


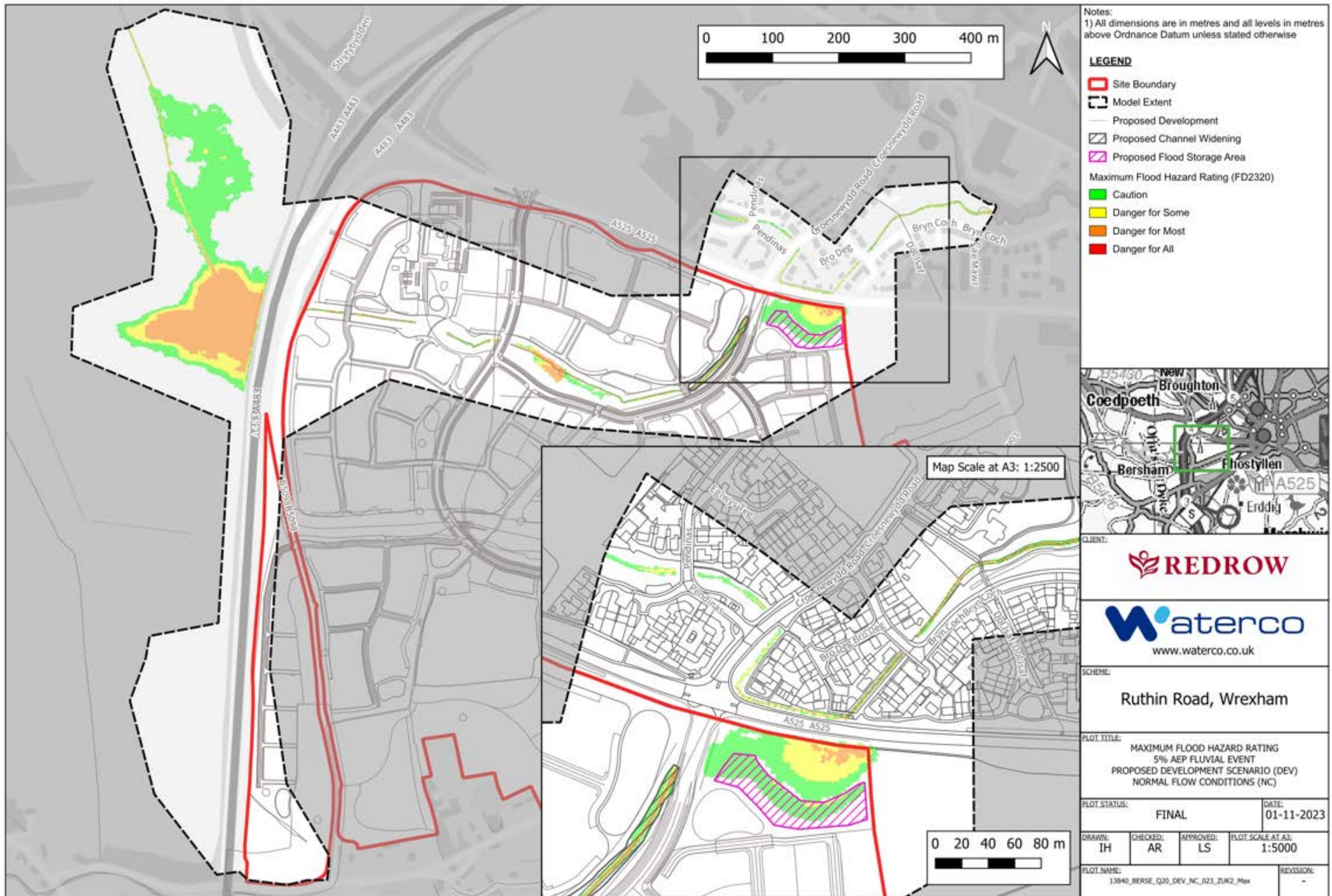


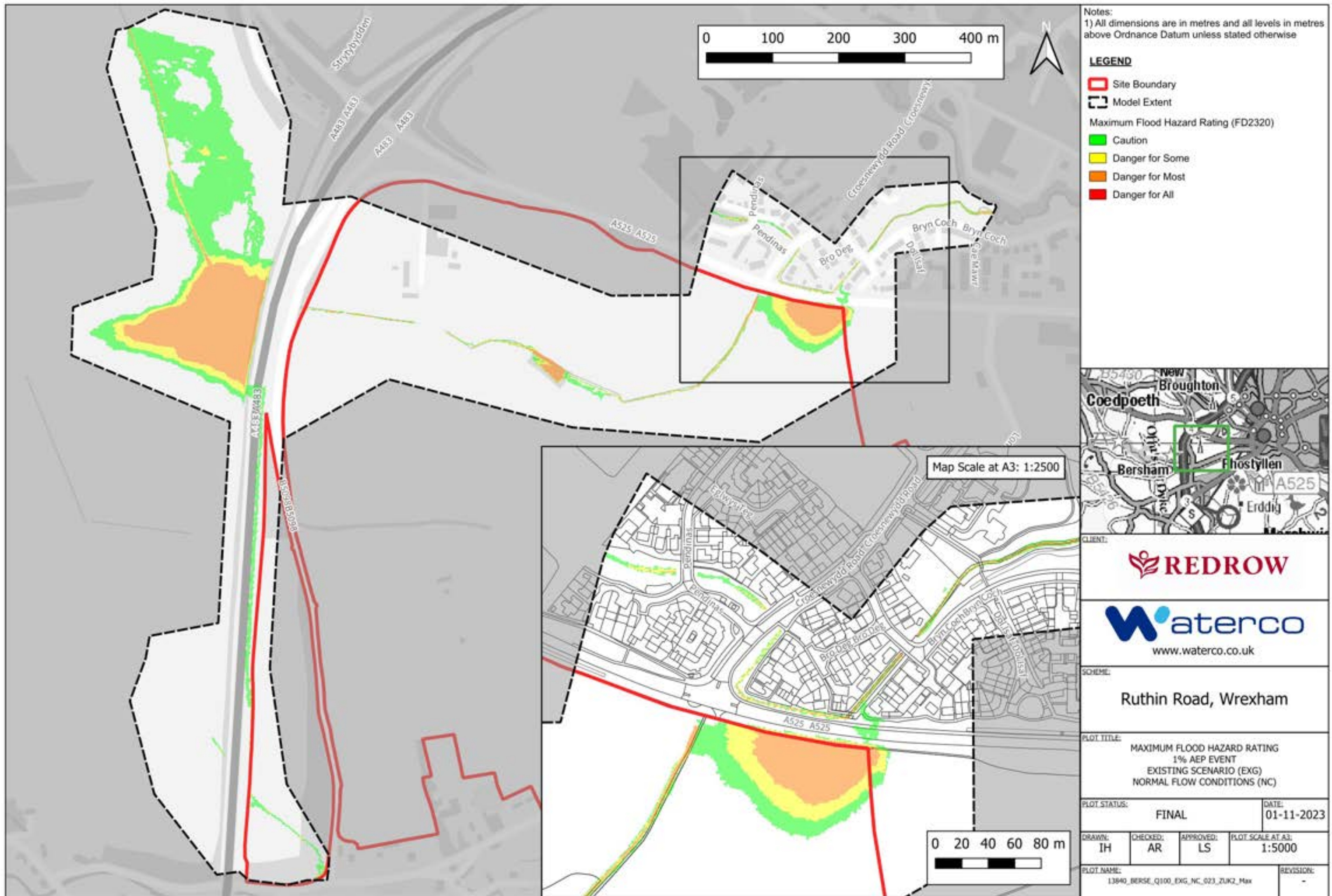


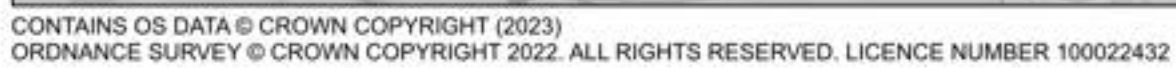


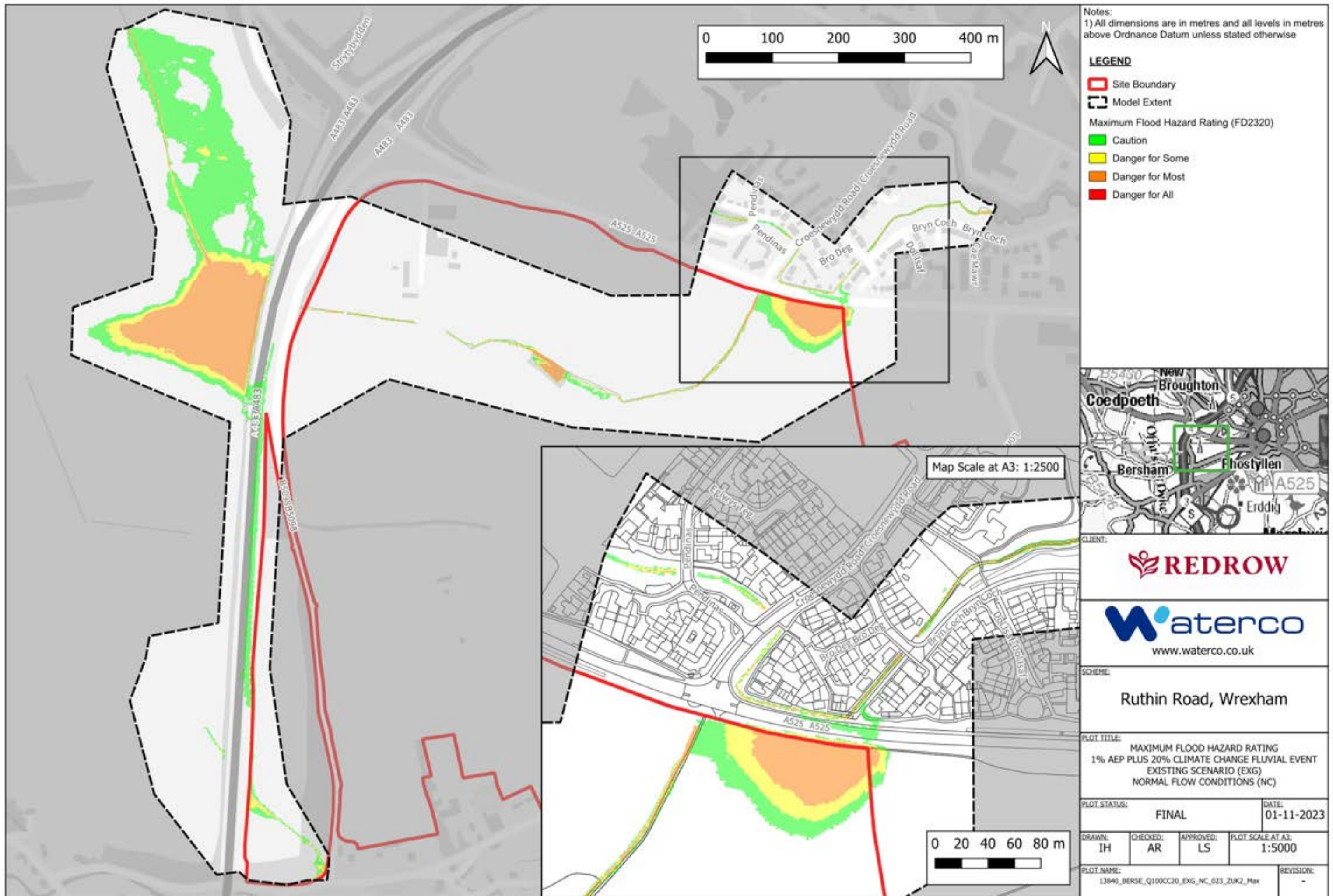


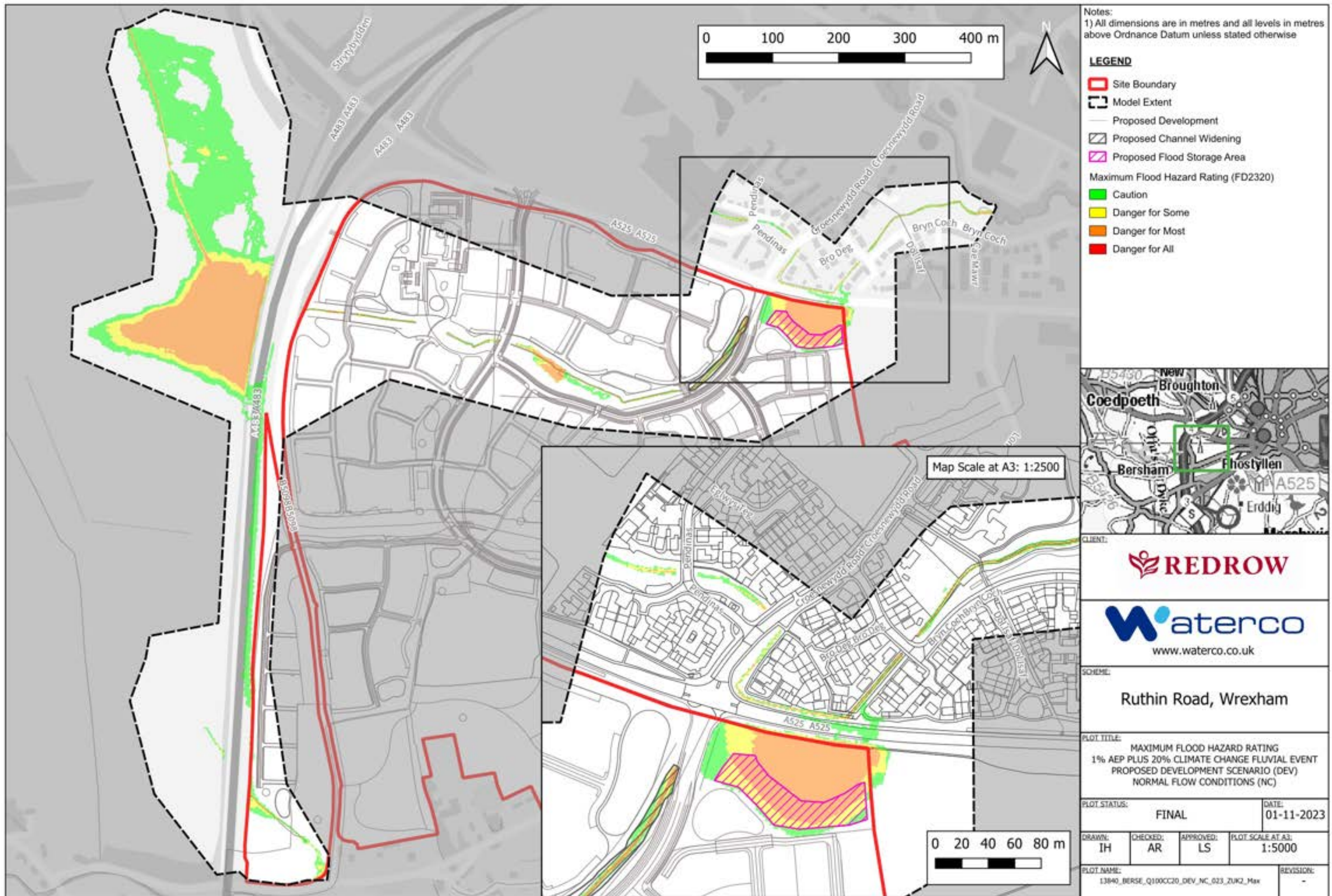












Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Model Extent
- Proposed Development
- Proposed Channel Widening
- Proposed Flood Storage Area
- Maximum Flood Hazard Rating (FD2320)
 - Caution
 - Danger for Some
 - Danger for Most
 - Danger for All



CLIENT:
REDROW

waterco
www.waterco.co.uk

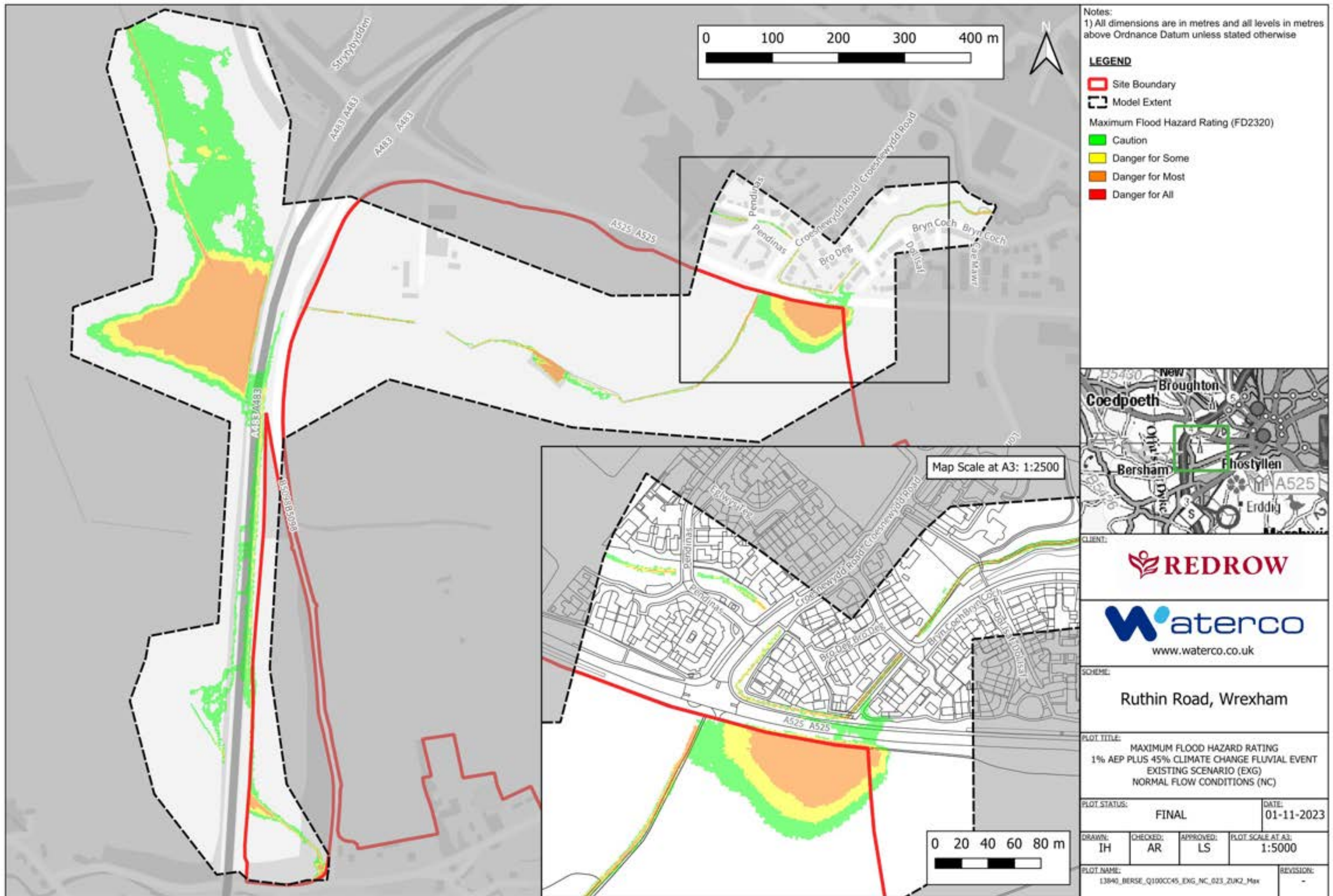
SCHEME:
Ruthin Road, Wrexham

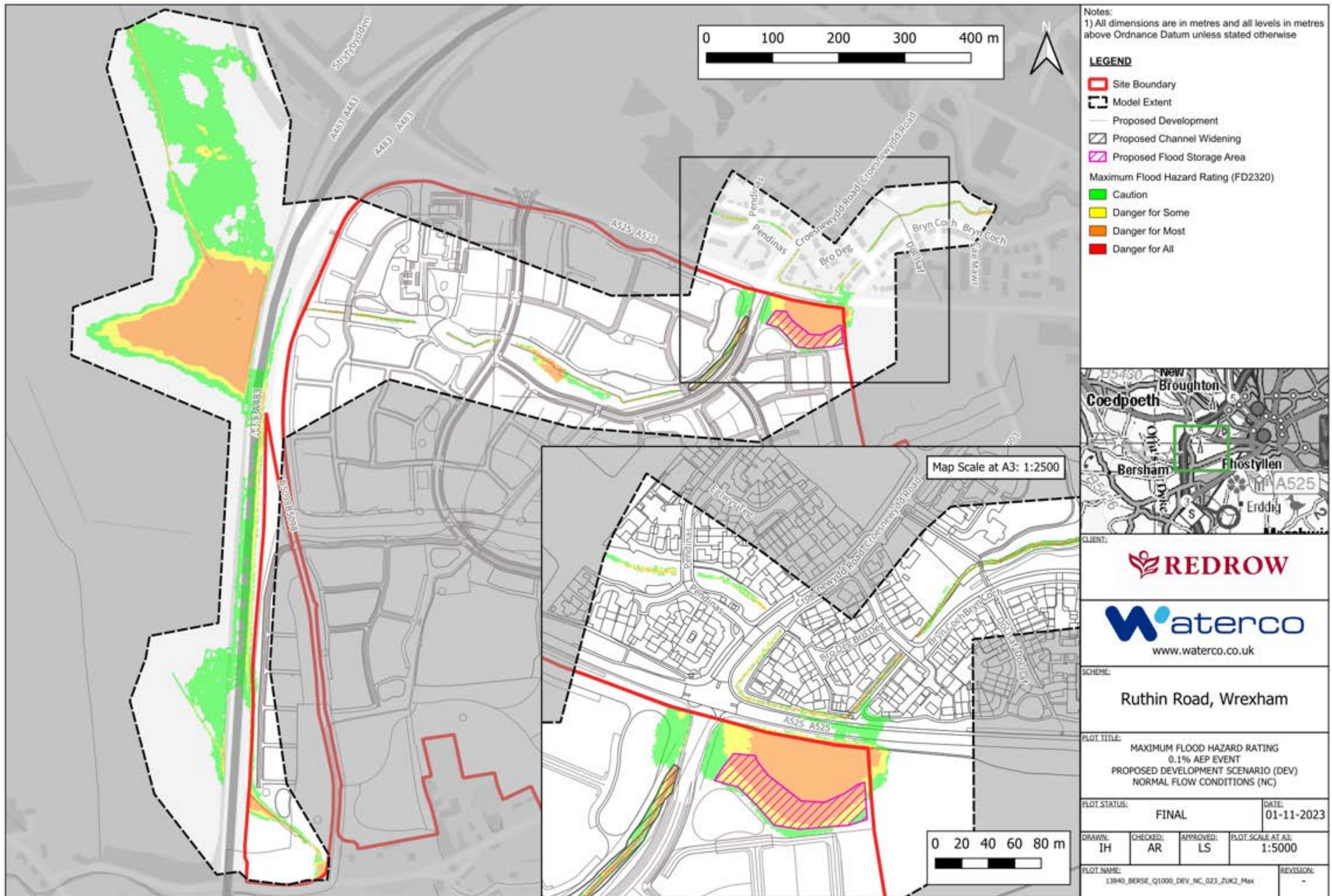
PLOT TITLE:
MAXIMUM FLOOD HAZARD RATING
1% AEP PLUS 20% CLIMATE CHANGE FLUVIAL EVENT
PROPOSED DEVELOPMENT SCENARIO (DEV)
NORMAL FLOW CONDITIONS (NC)

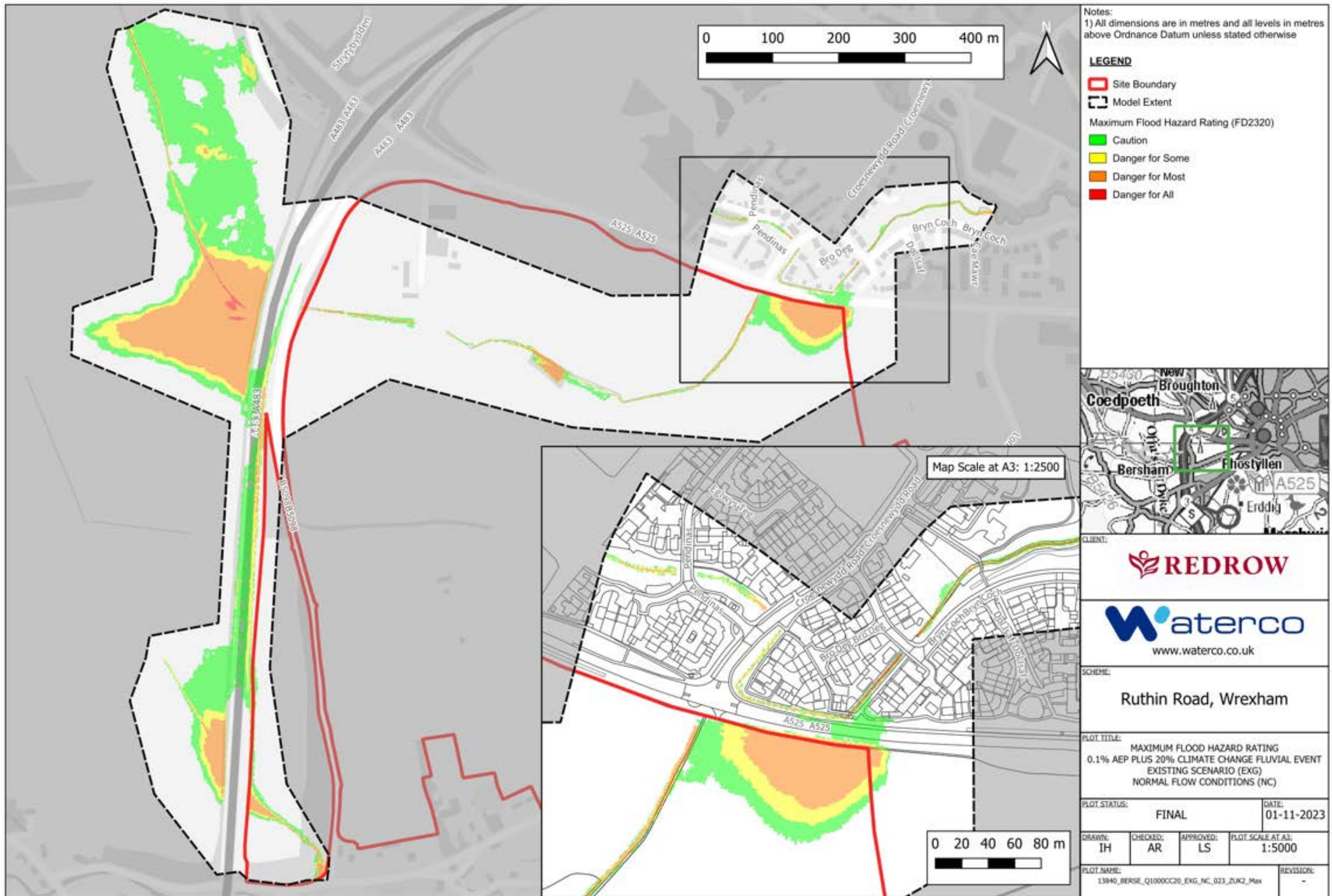
PLOT STATUS: **FINAL** DATE: **01-11-2023**

DRAWN: **IH** CHECKED: **AR** APPROVED: **LS** PLOT SCALE AT A3: **1:5000**

PLOT NAME: **13840_BERSE_Q100CC20_DEV_NC_G23_ZUK_Max** REVISION: **-**







Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Model Extent
- Maximum Flood Hazard Rating (FD2320)
- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:
REDROW

SCHEME:
Ruthin Road, Wrexham

PLOT TITLE:
MAXIMUM FLOOD HAZARD RATING
0.1% AEP PLUS 20% CLIMATE CHANGE FLUVIAL EVENT
EXISTING SCENARIO (EXG)
NORMAL FLOW CONDITIONS (NC)

PLOT STATUS:
FINAL

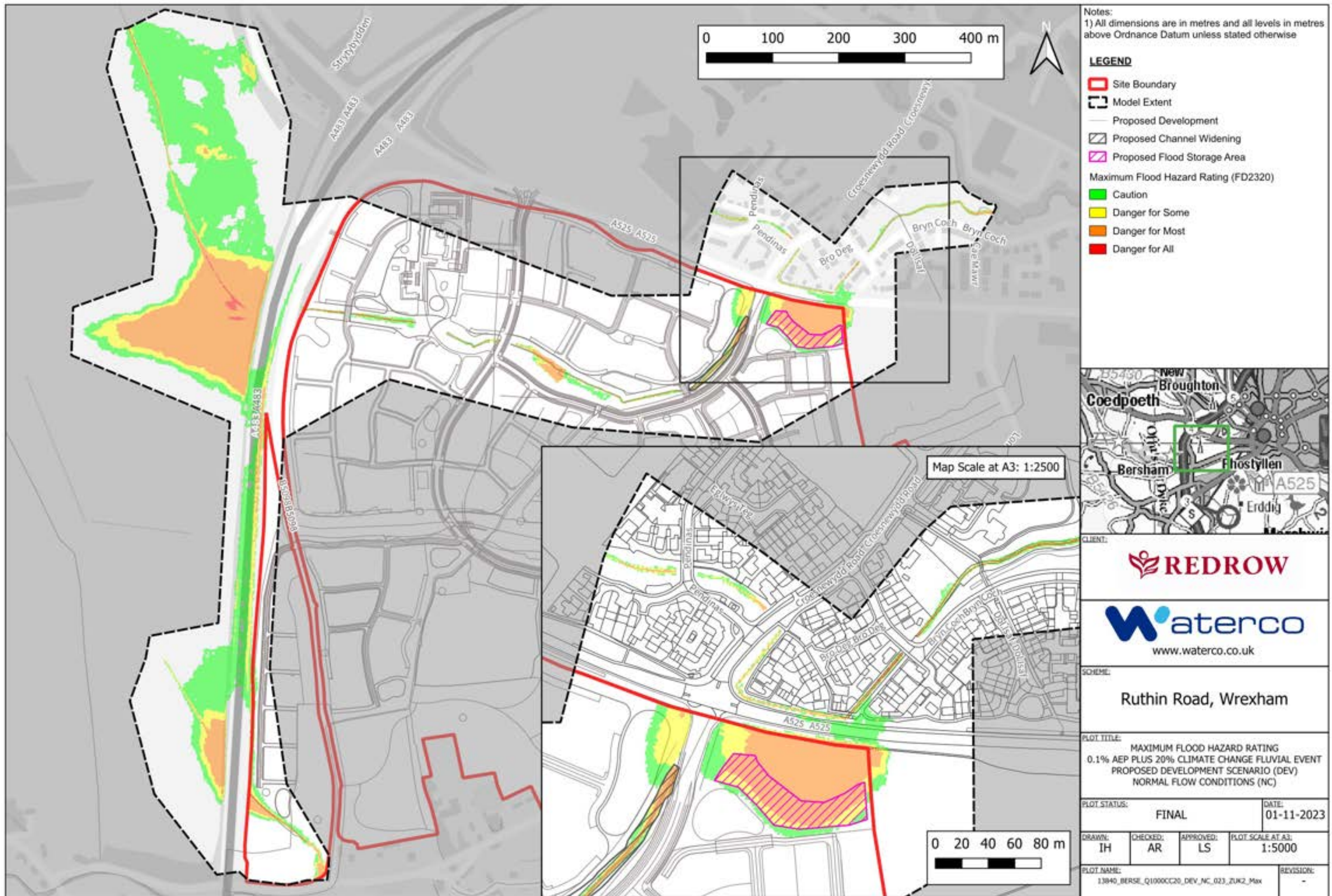
DATE:
01-11-2023

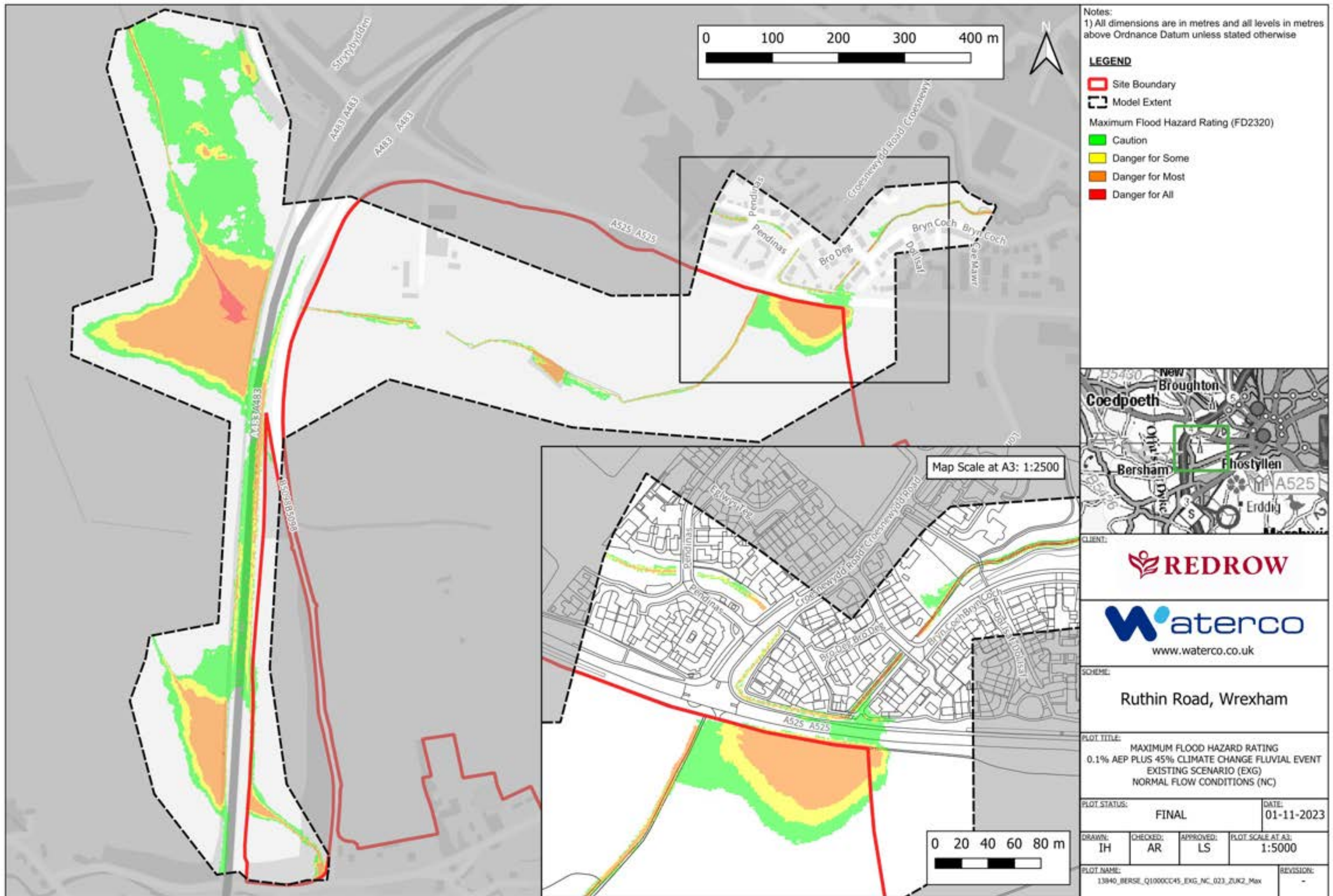
DRAWN: IH
CHECKED: AR
APPROVED: LS

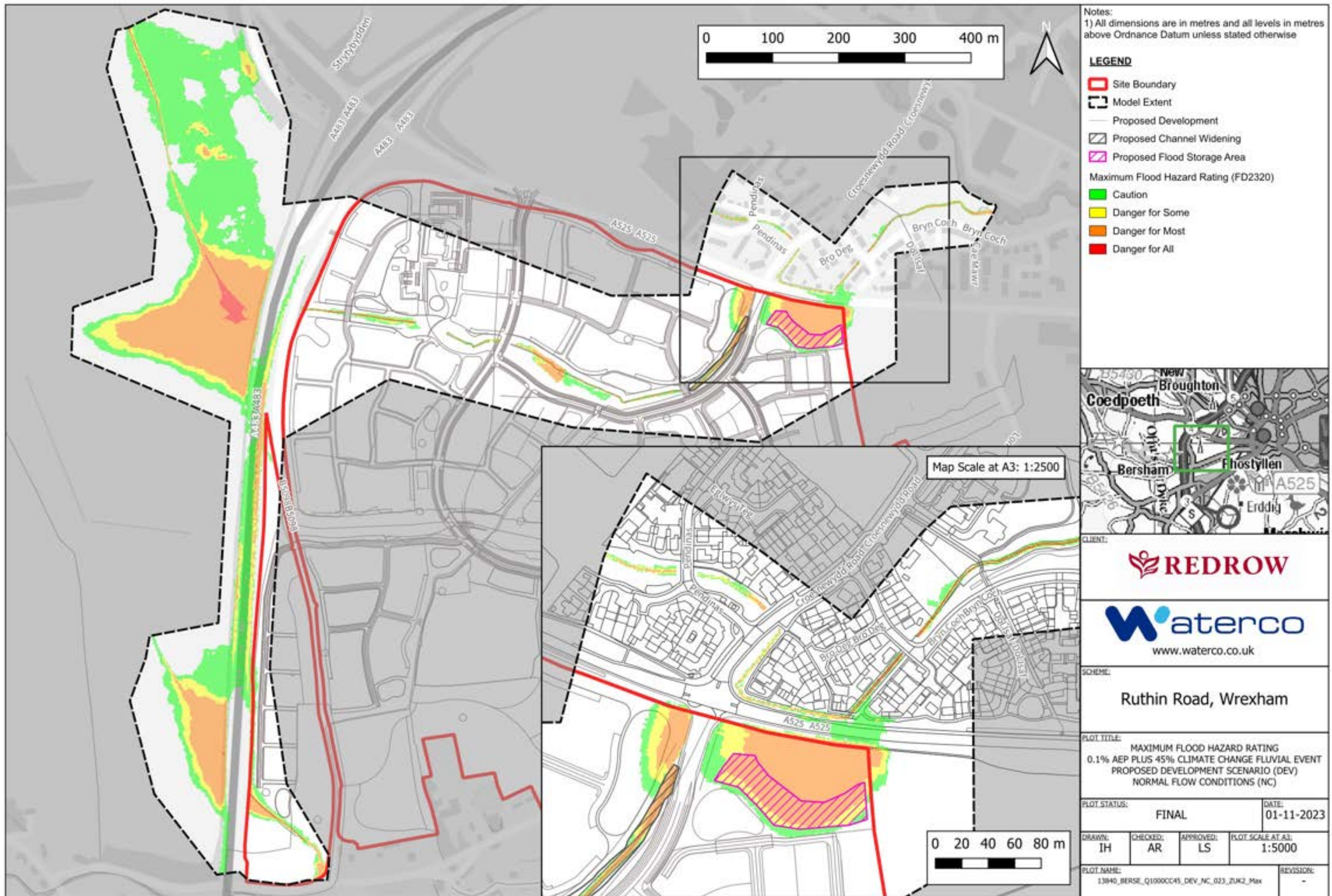
PLOT SCALE AT A3:
1:5000

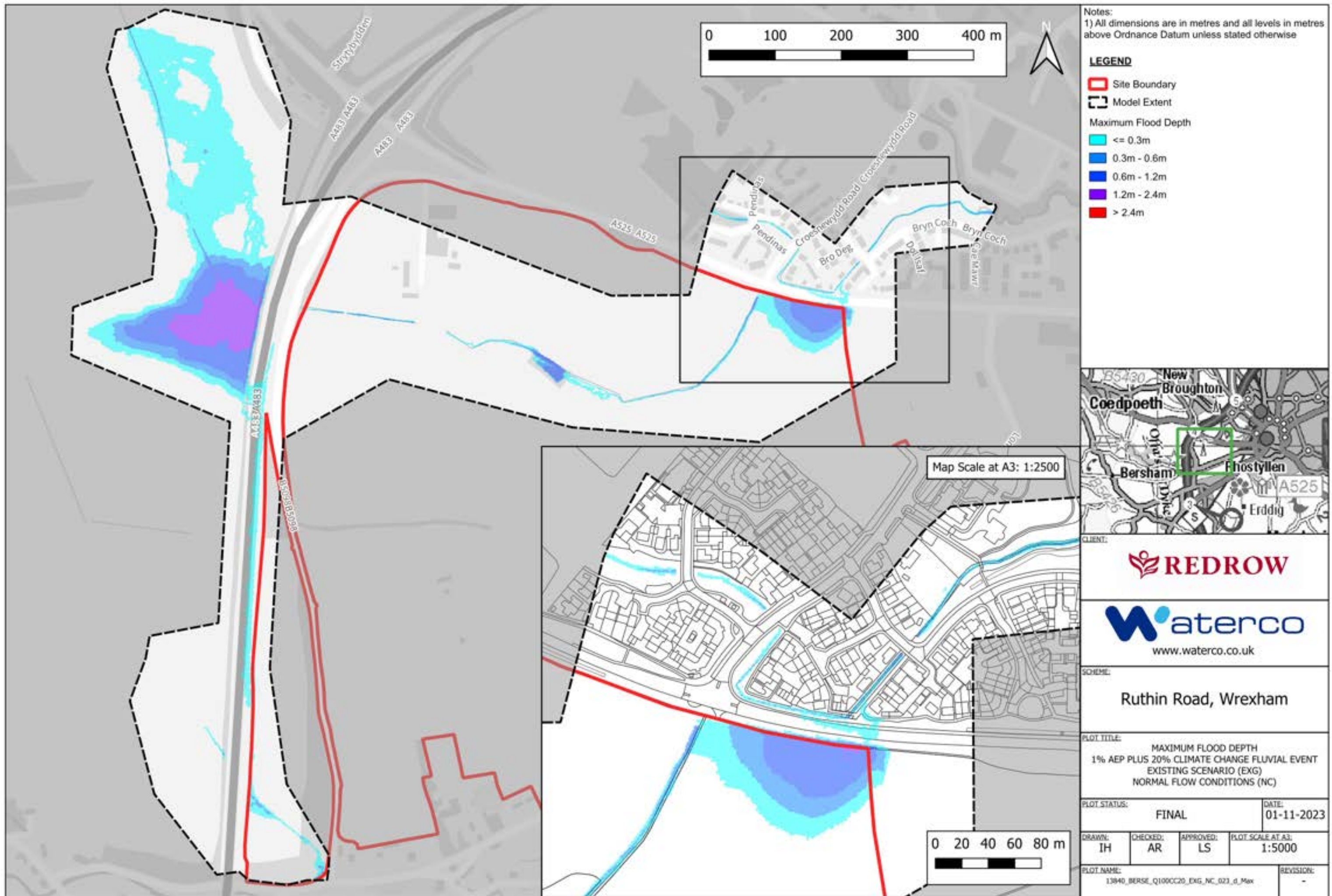
PLOT NAME:
13840_BERSE_Q1000CC20_EXG_NC_023_ZUK2_Max

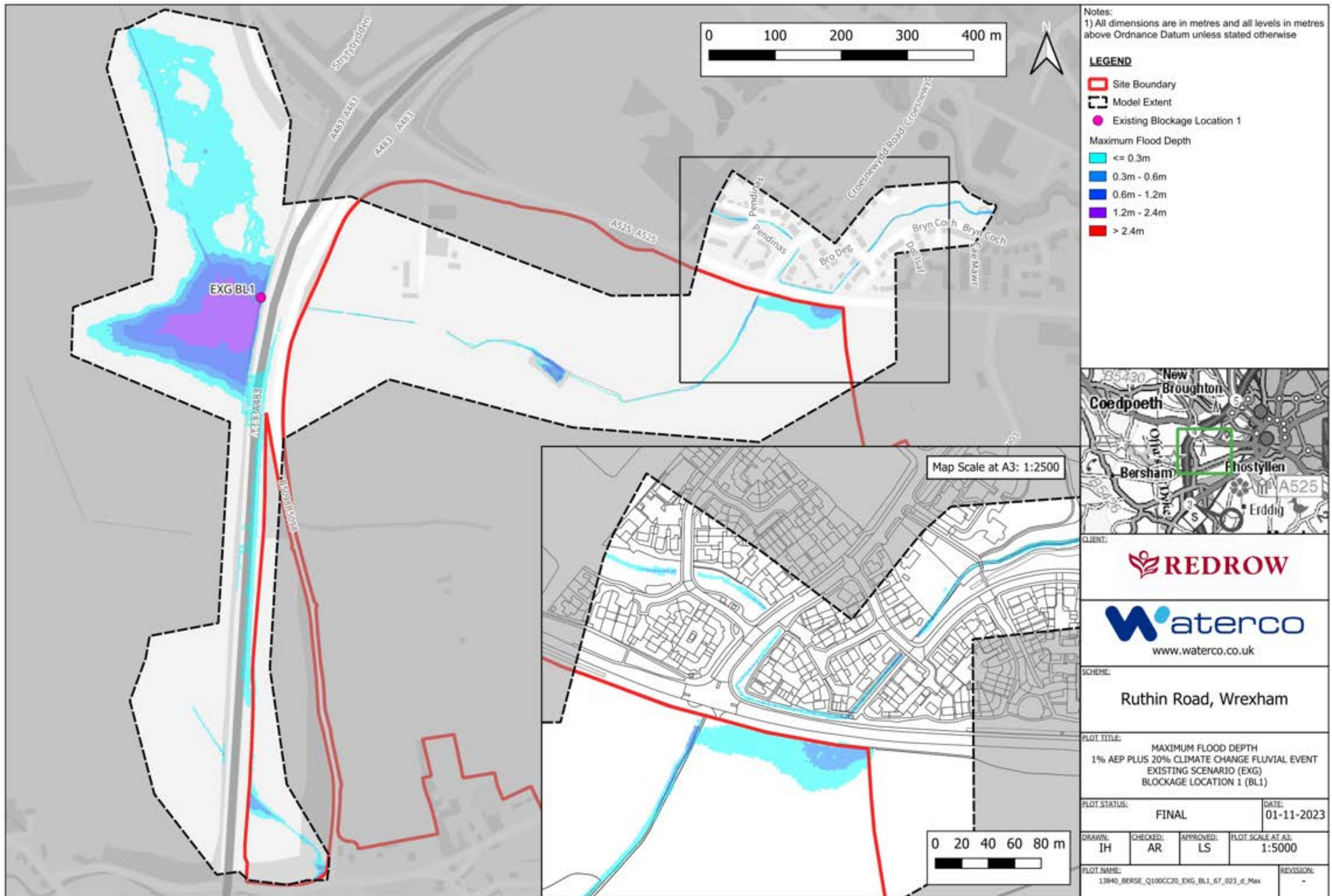
REVISION:
-

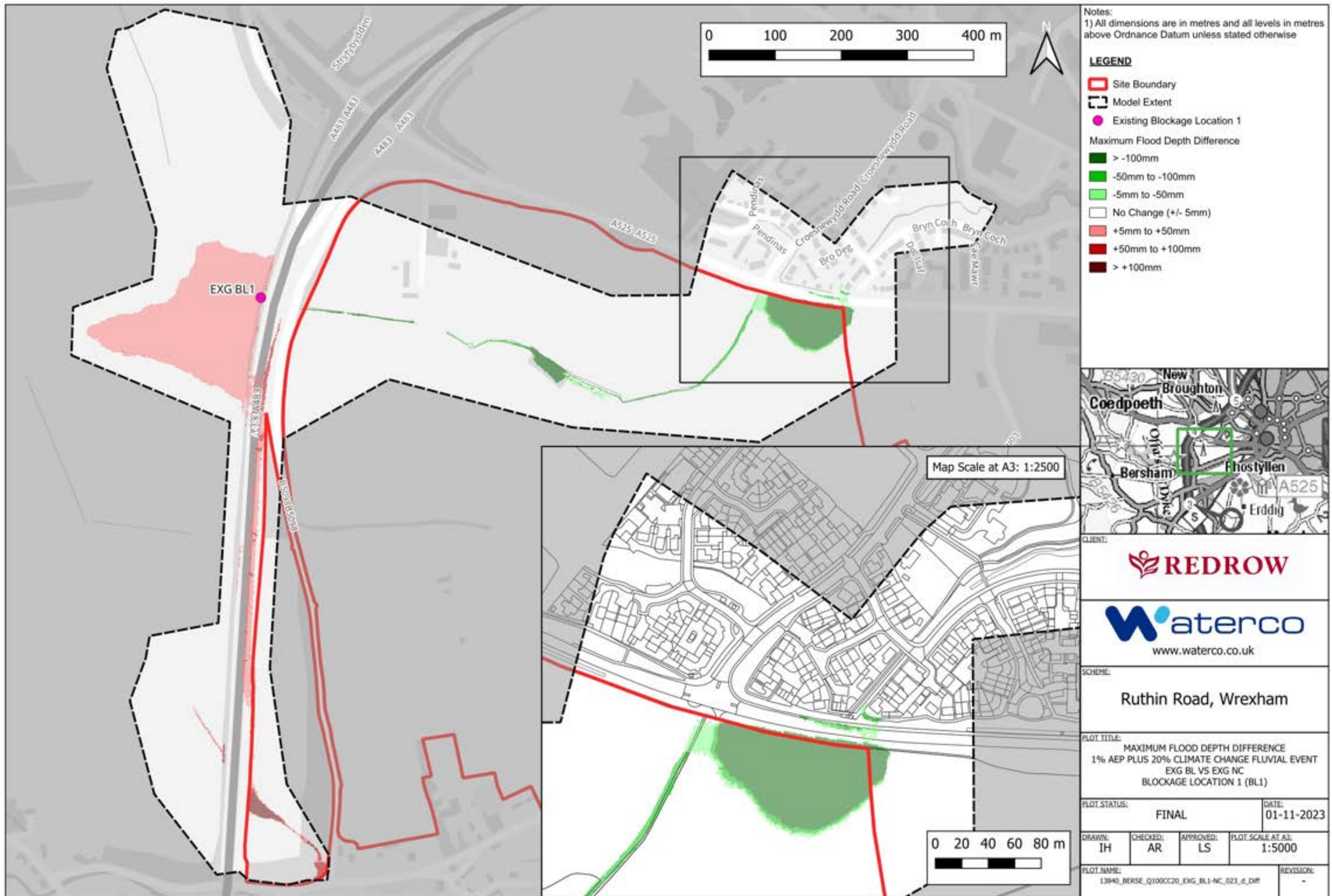


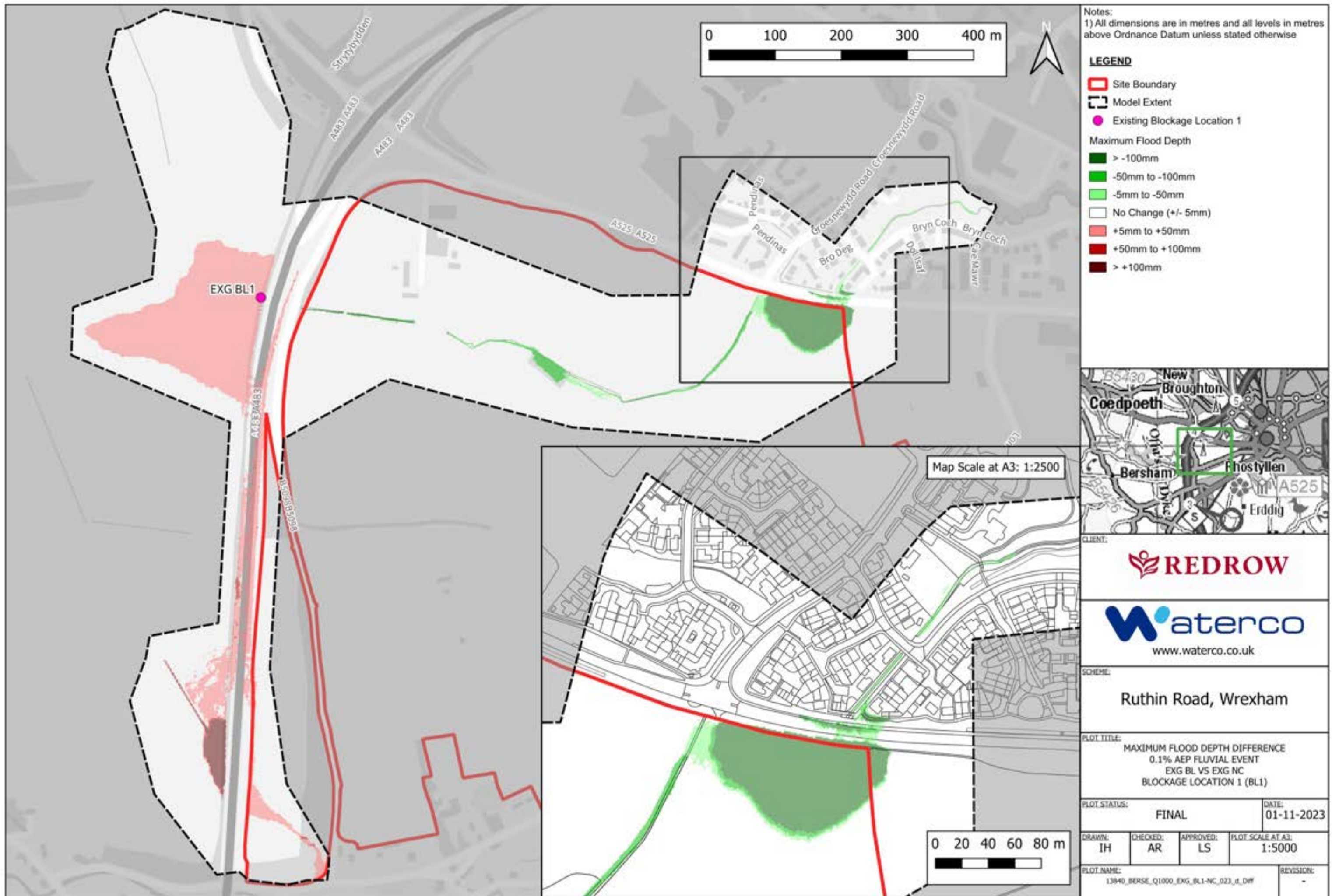


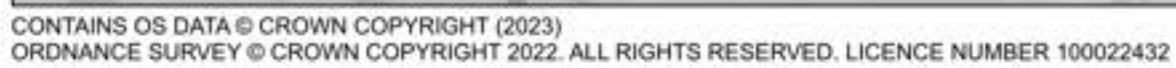


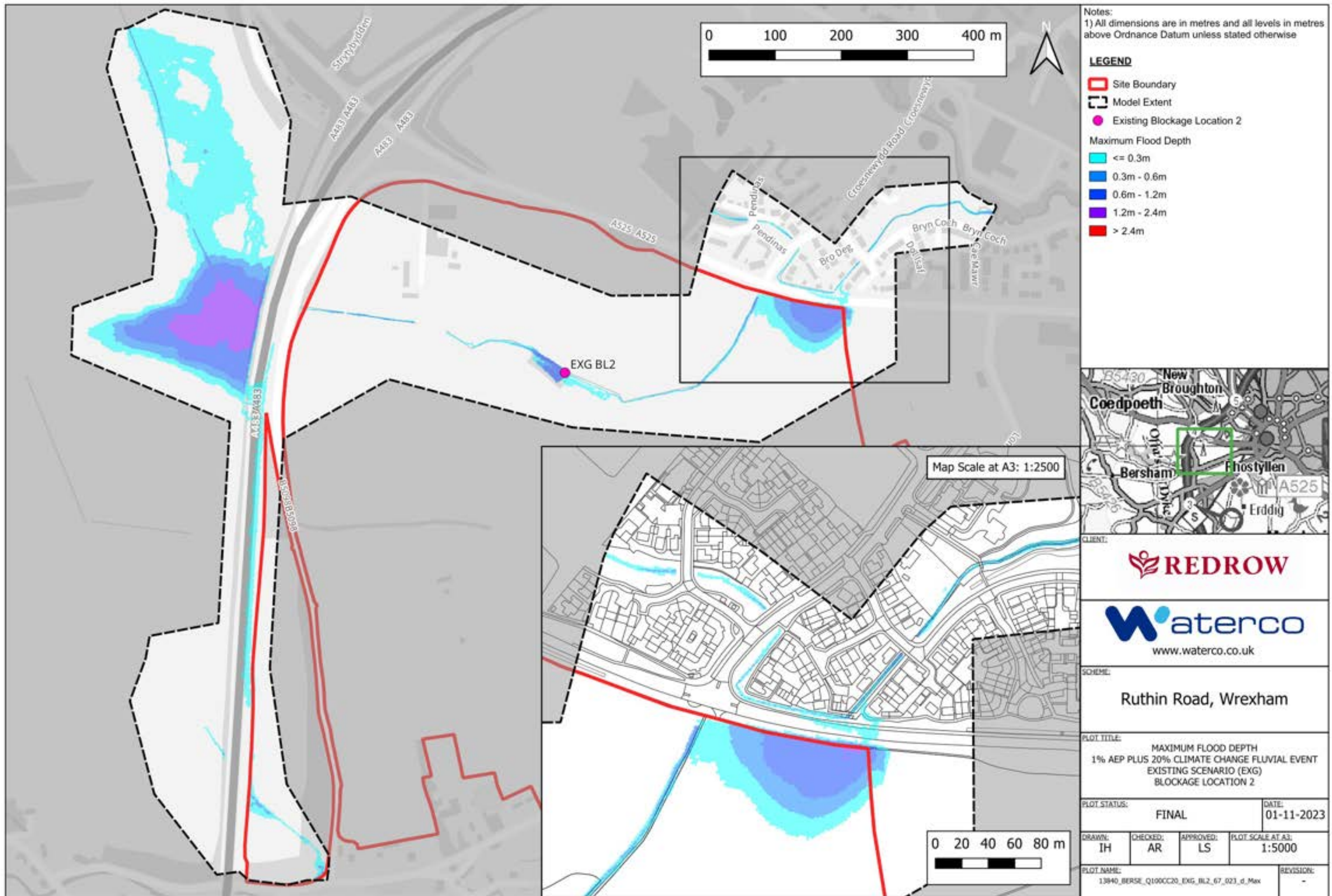


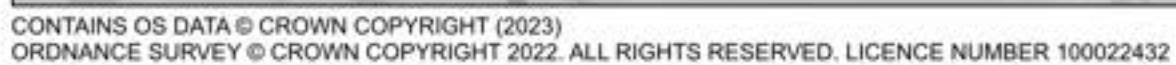


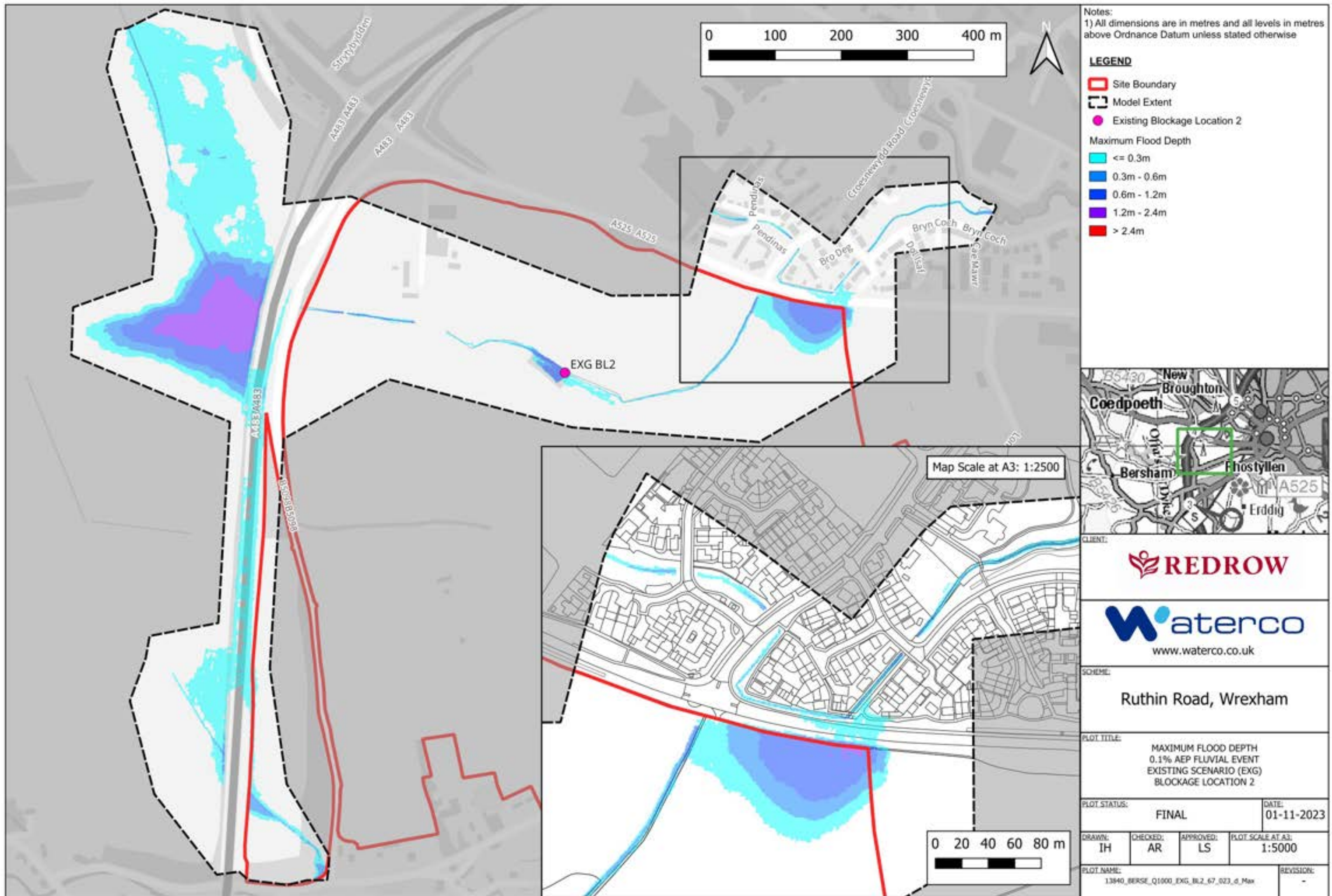












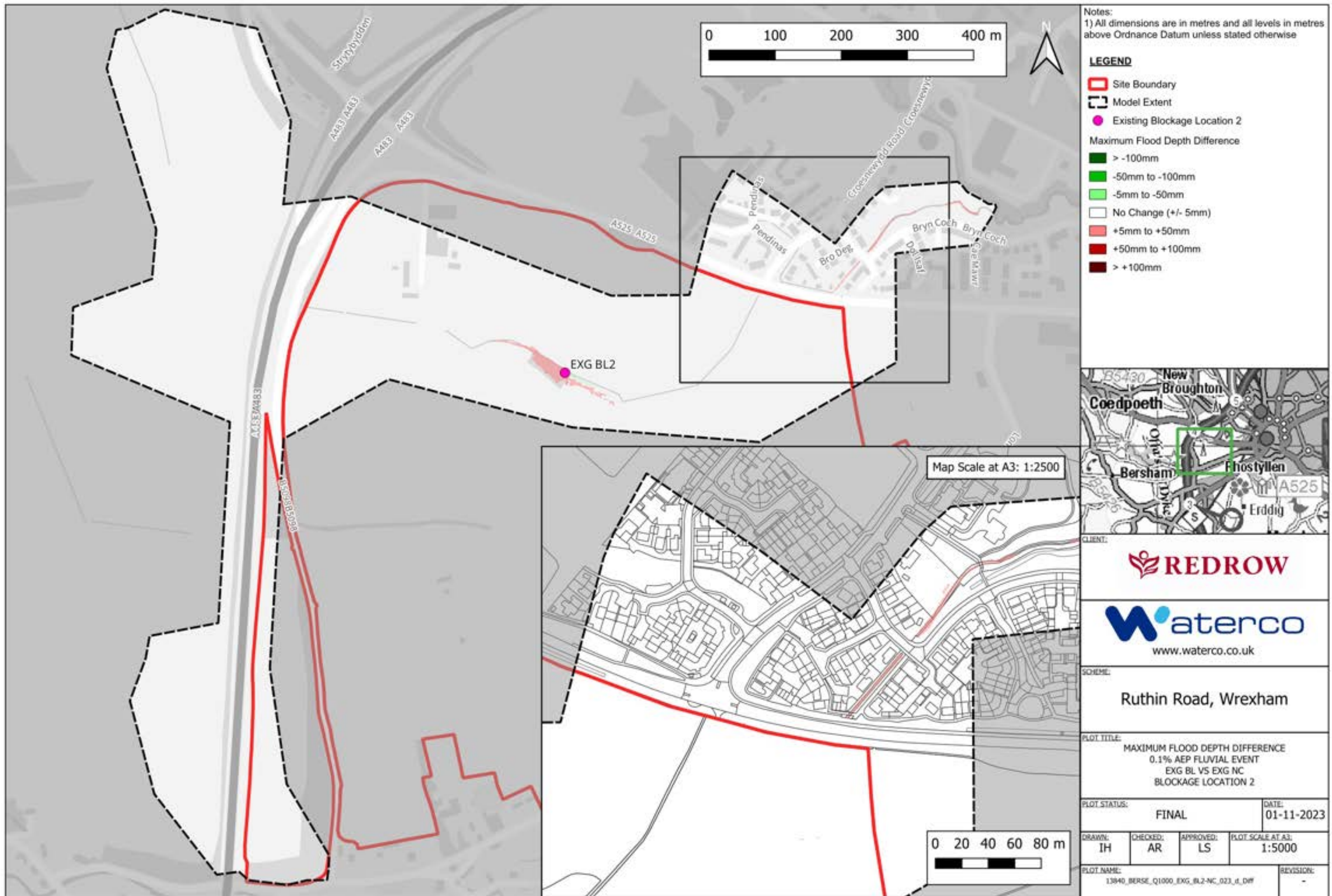
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

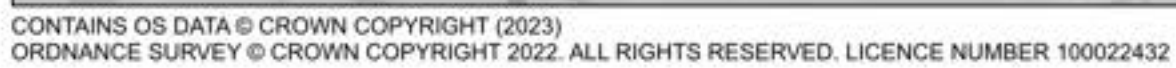
LEGEND

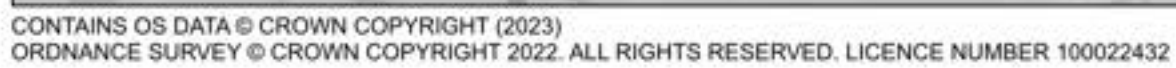
- Site Boundary
 - Model Extent
 - Existing Blockage Location 2
- Maximum Flood Depth
- ≤ 0.3m
 - 0.3m - 0.6m
 - 0.6m - 1.2m
 - 1.2m - 2.4m
 - > 2.4m

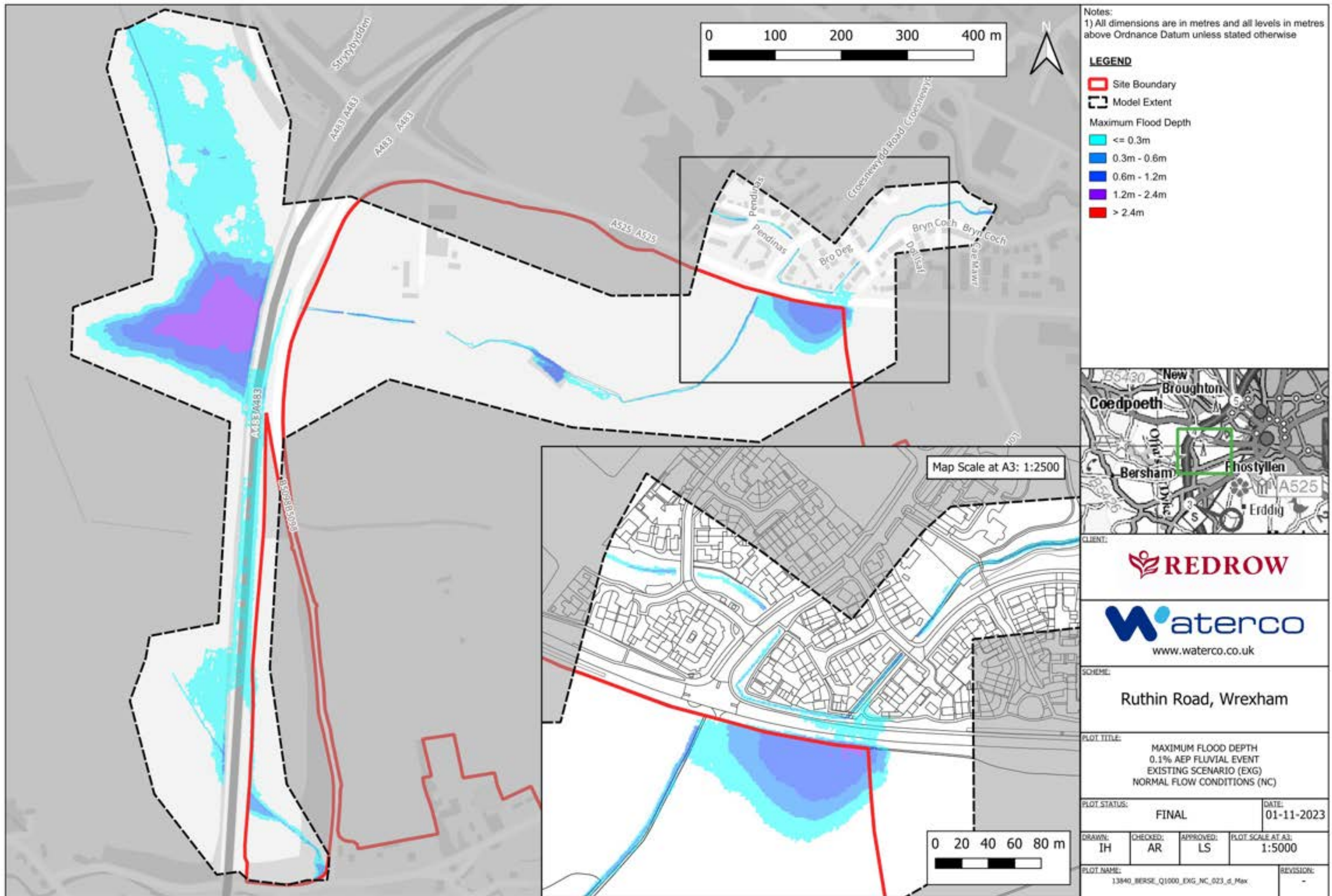


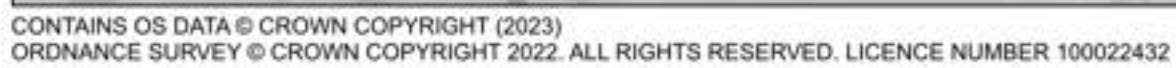
CLIENT:			
		 www.waterco.co.uk	
SCHEME:		Ruthin Road, Wrexham	
PLOT TITLE:		MAXIMUM FLOOD DEPTH 0.1% AEP FLUVIAL EVENT EXISTING SCENARIO (EXG) BLOCKAGE LOCATION 2	
PLOT STATUS:		FINAL	DATE: 01-11-2023
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AR	LS	1:5000
PLOT NAME:			REVISION:
13840_BERSE_Q1000_EXG_BL2_67_023_d_Max			-

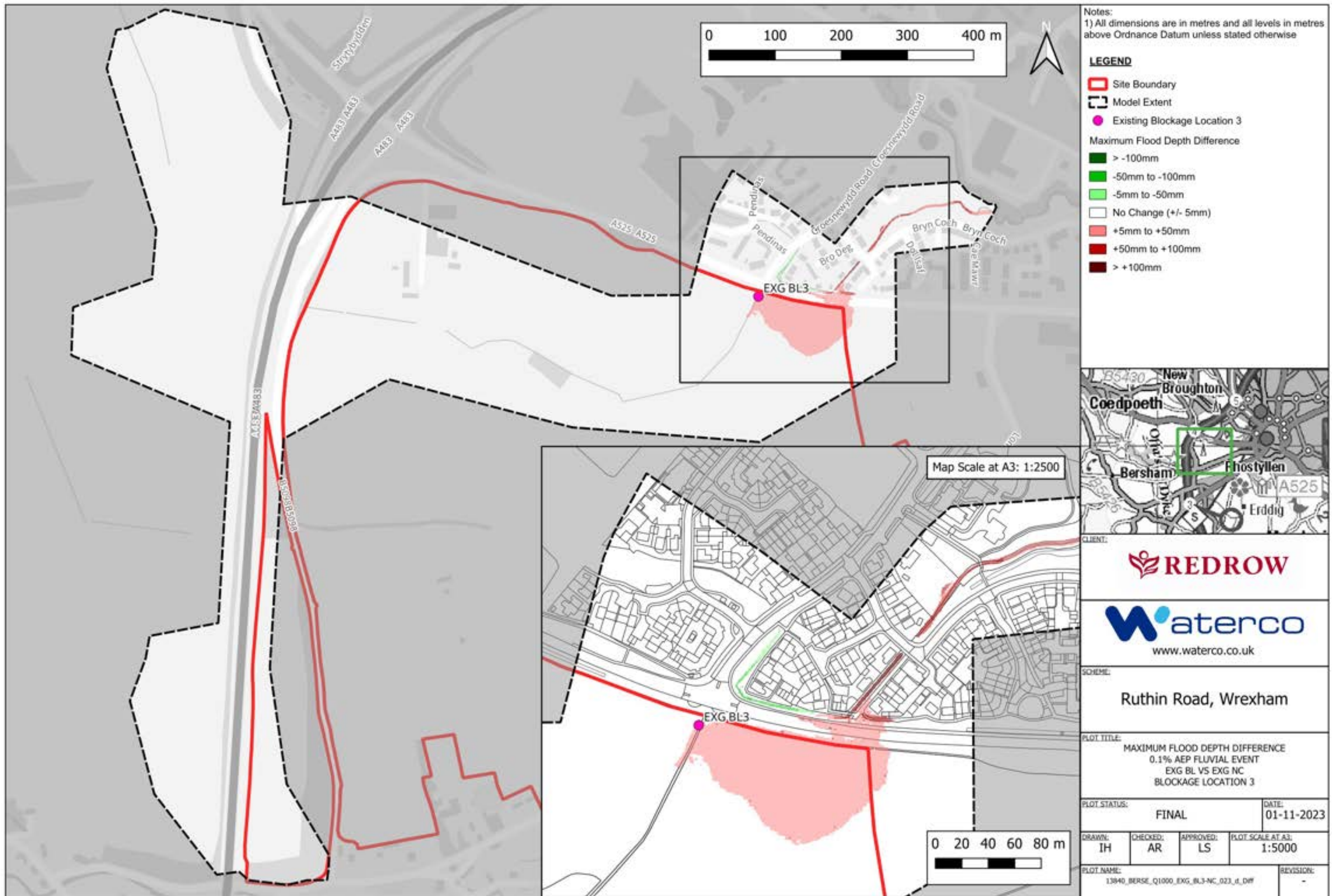


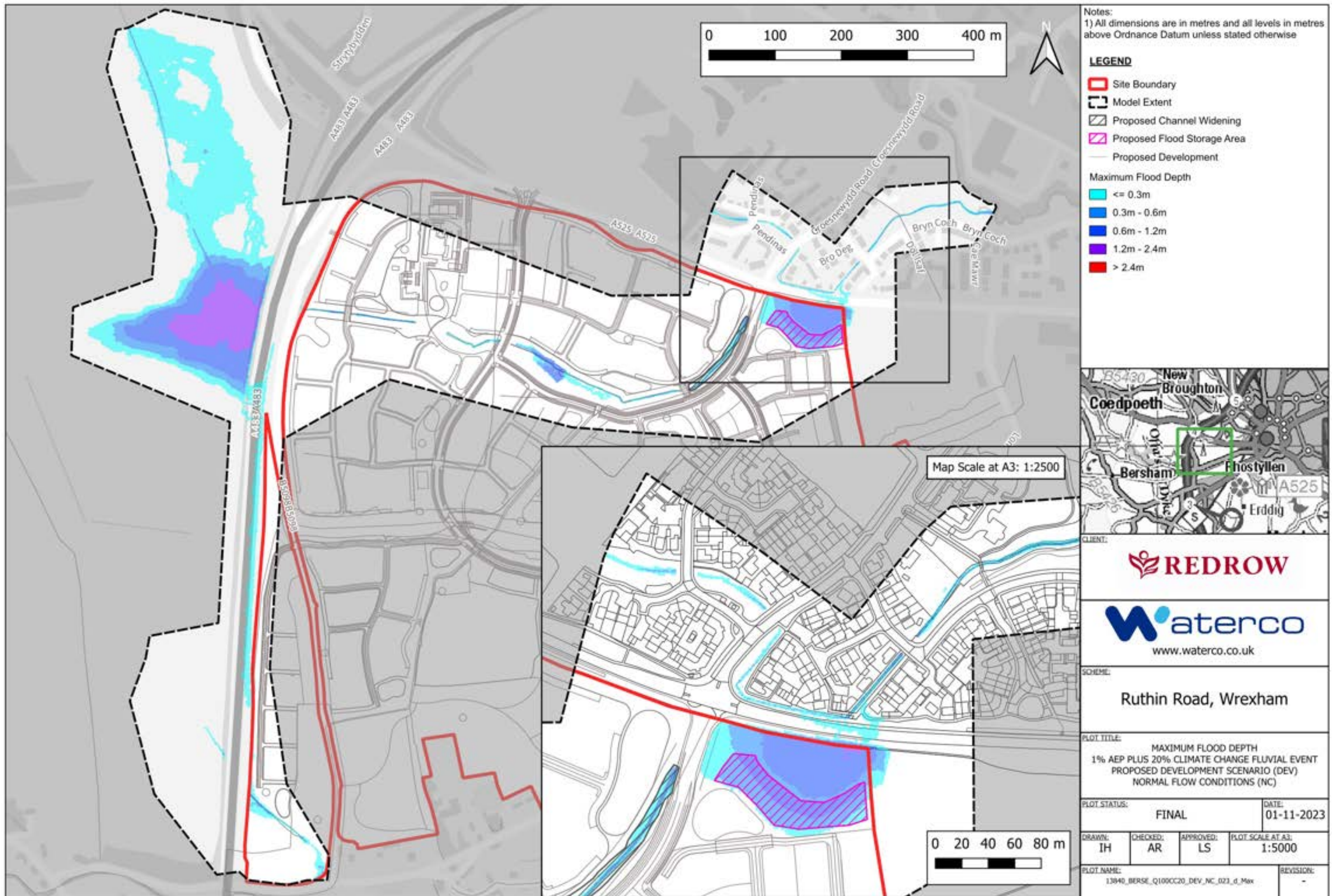


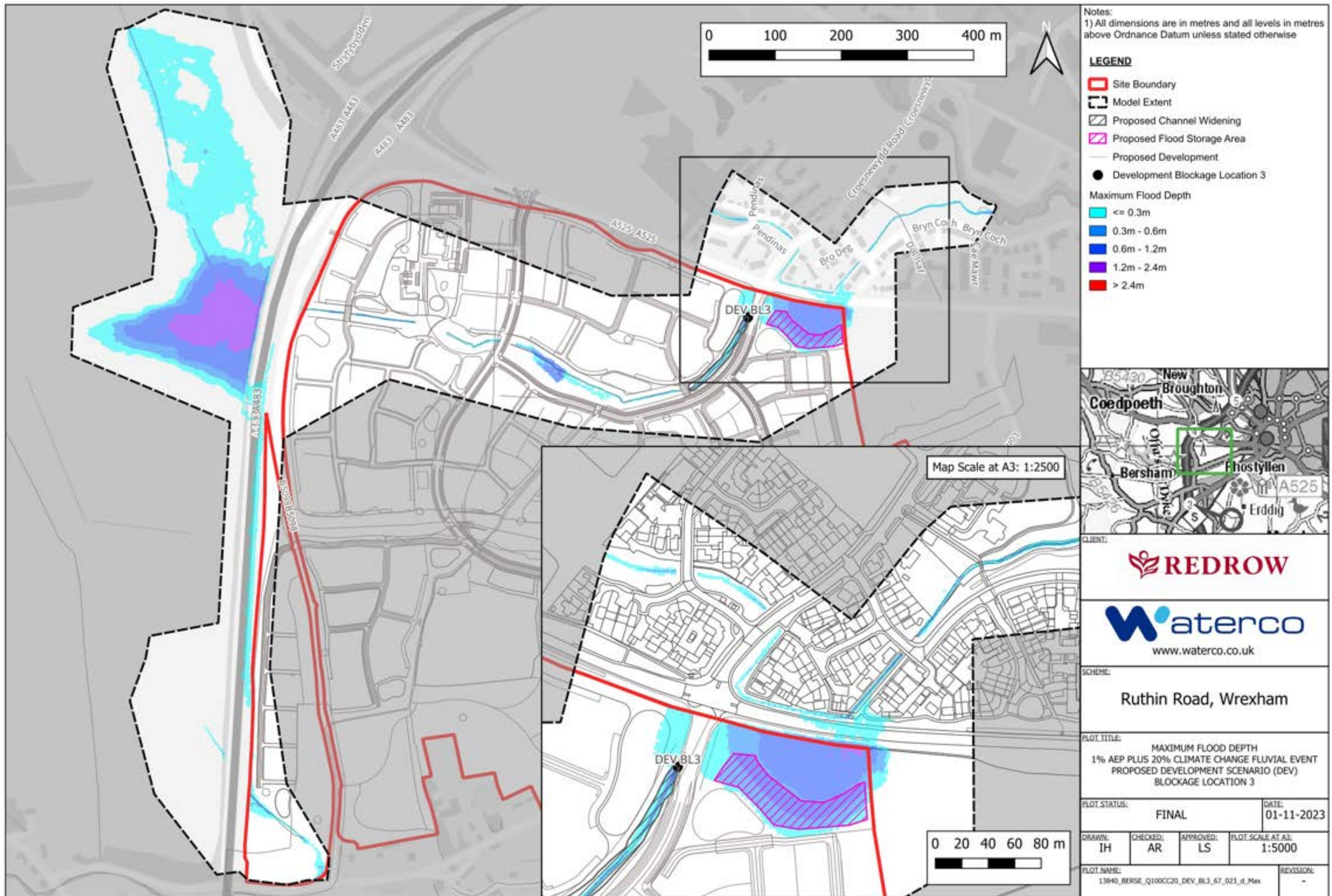




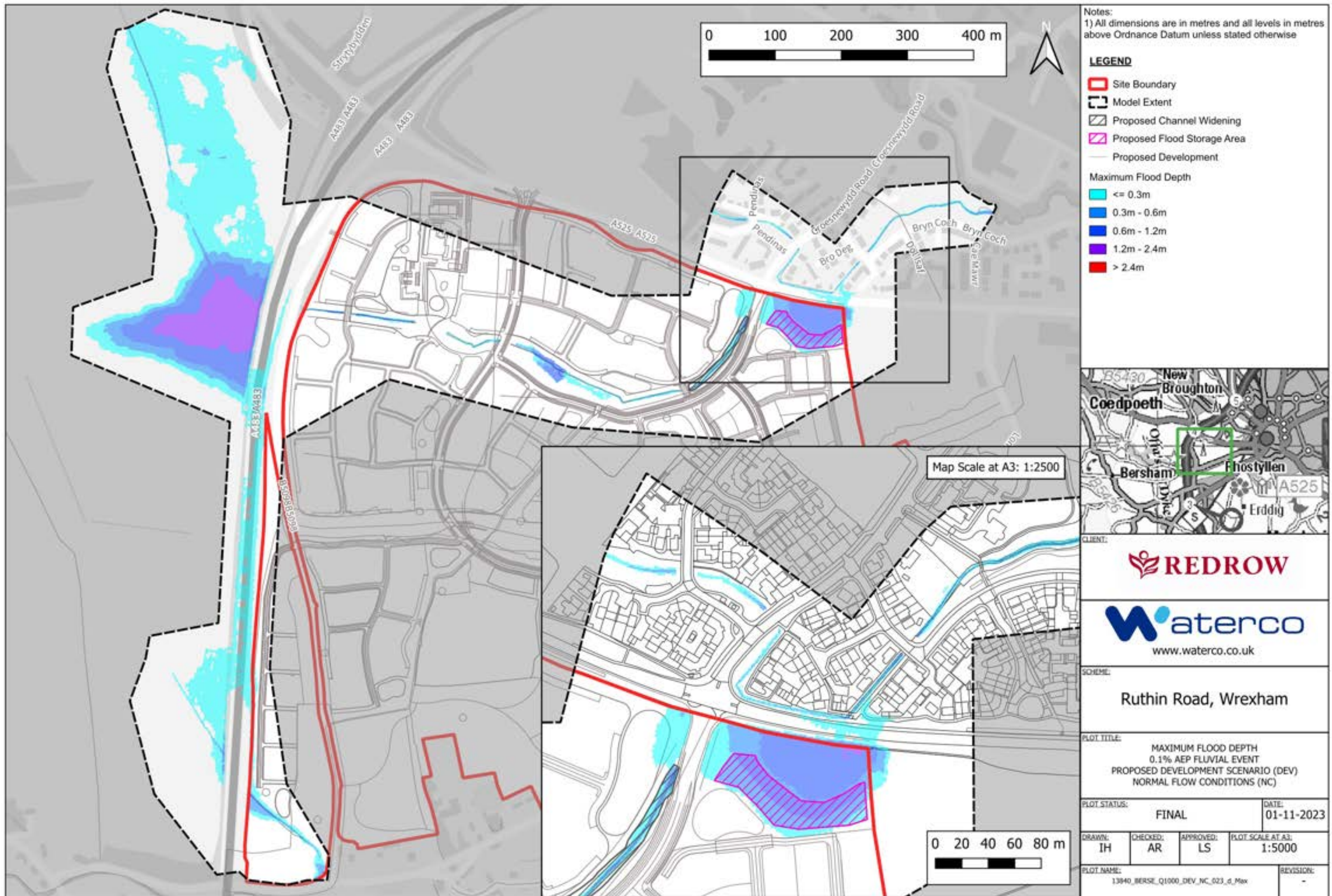


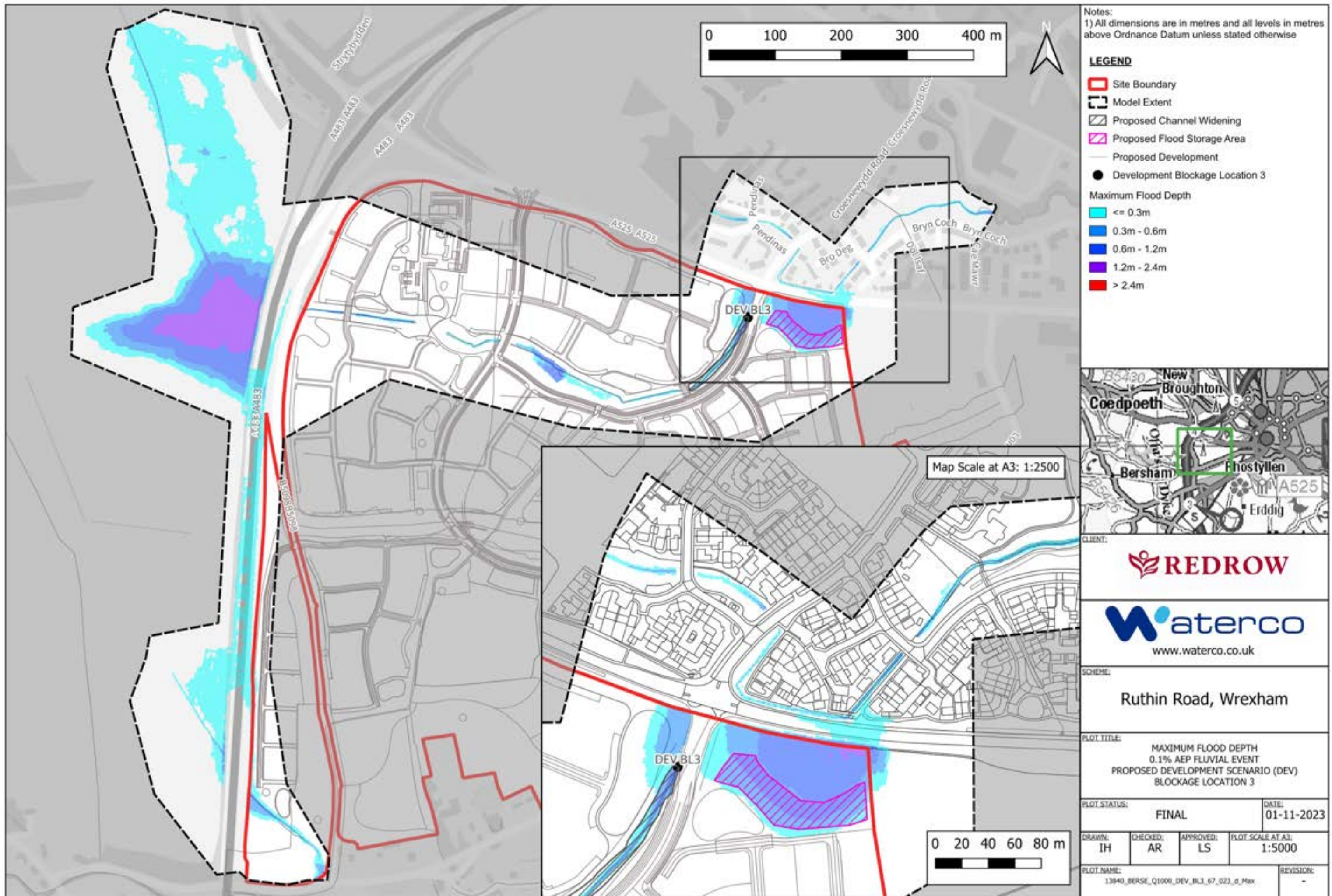


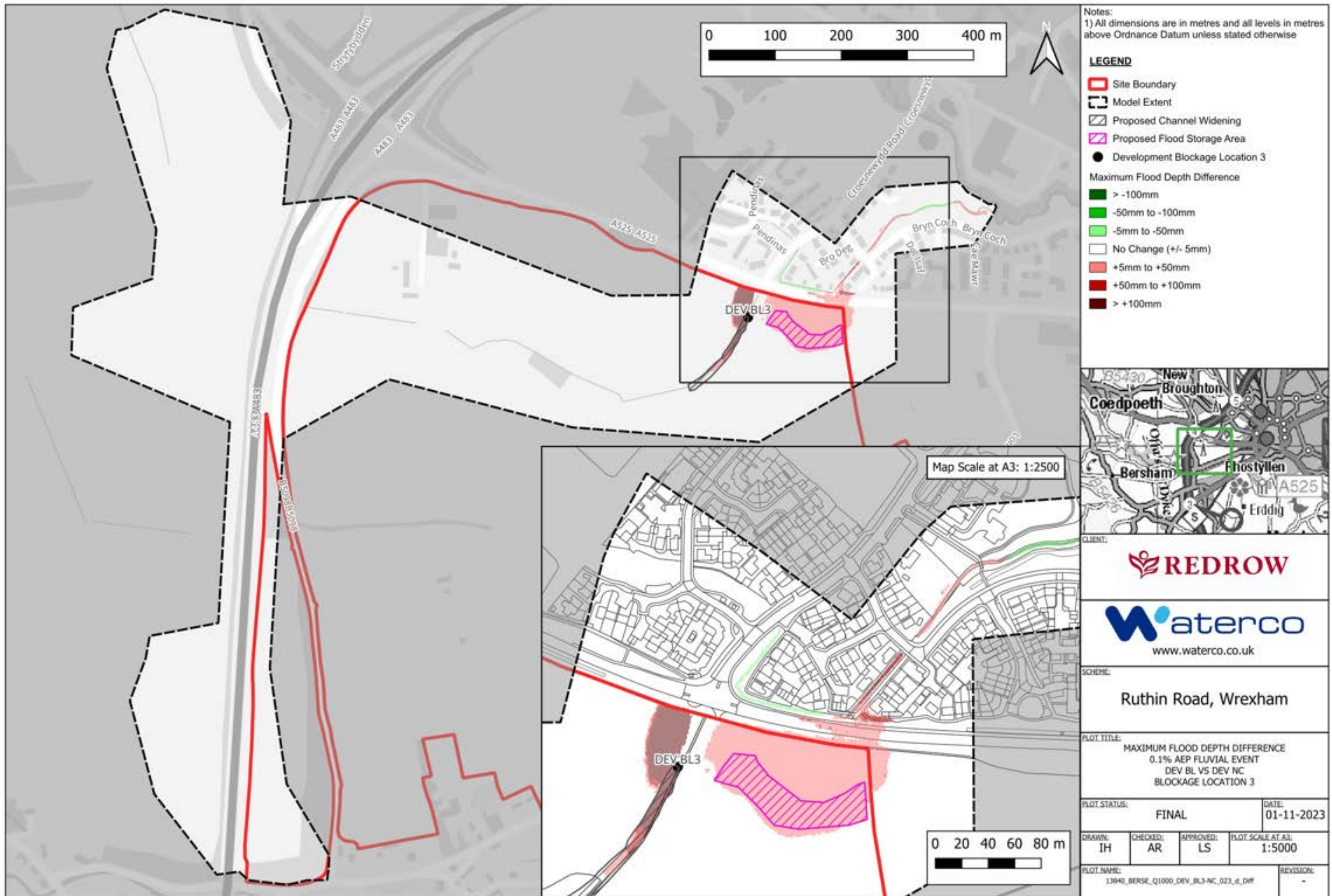


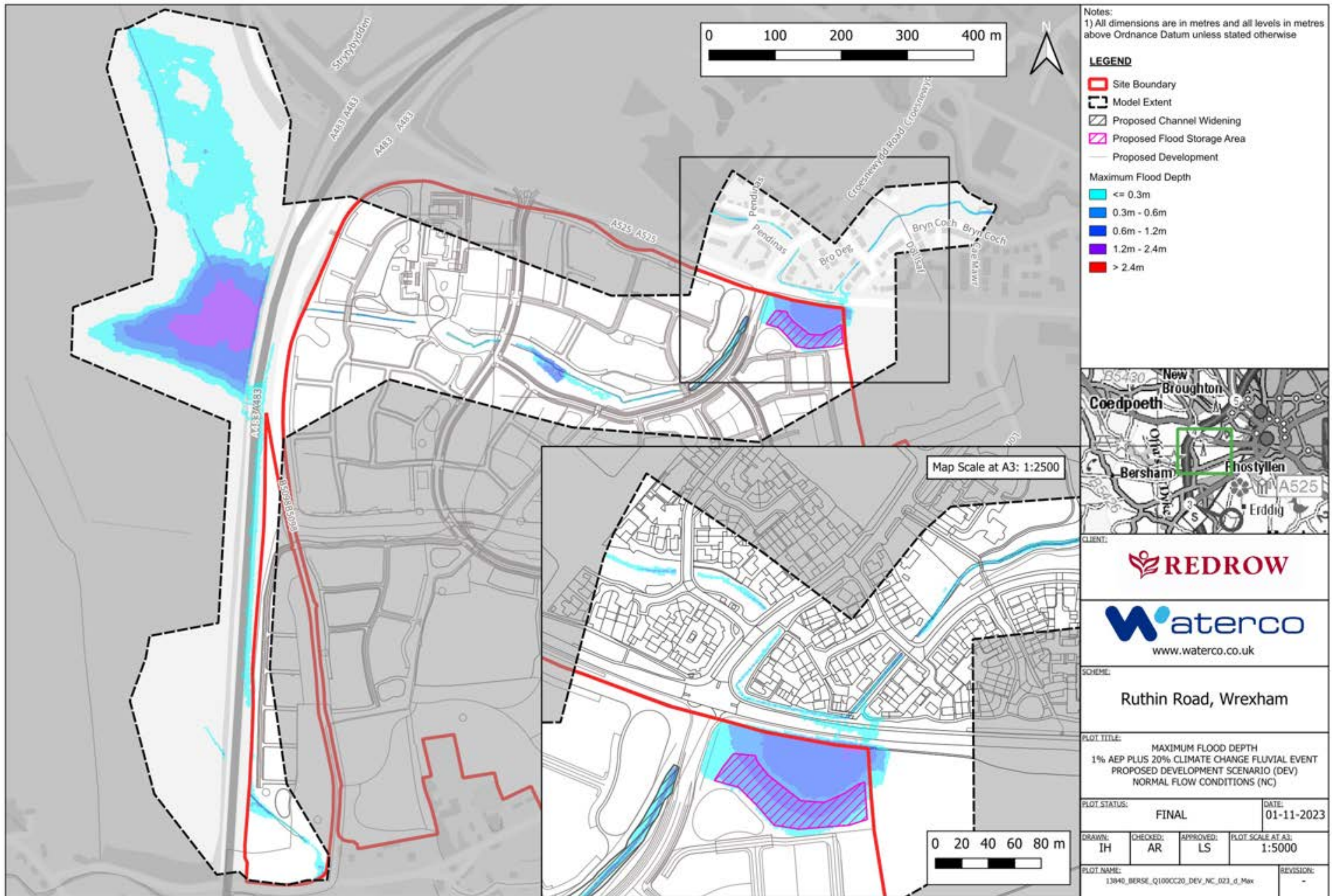


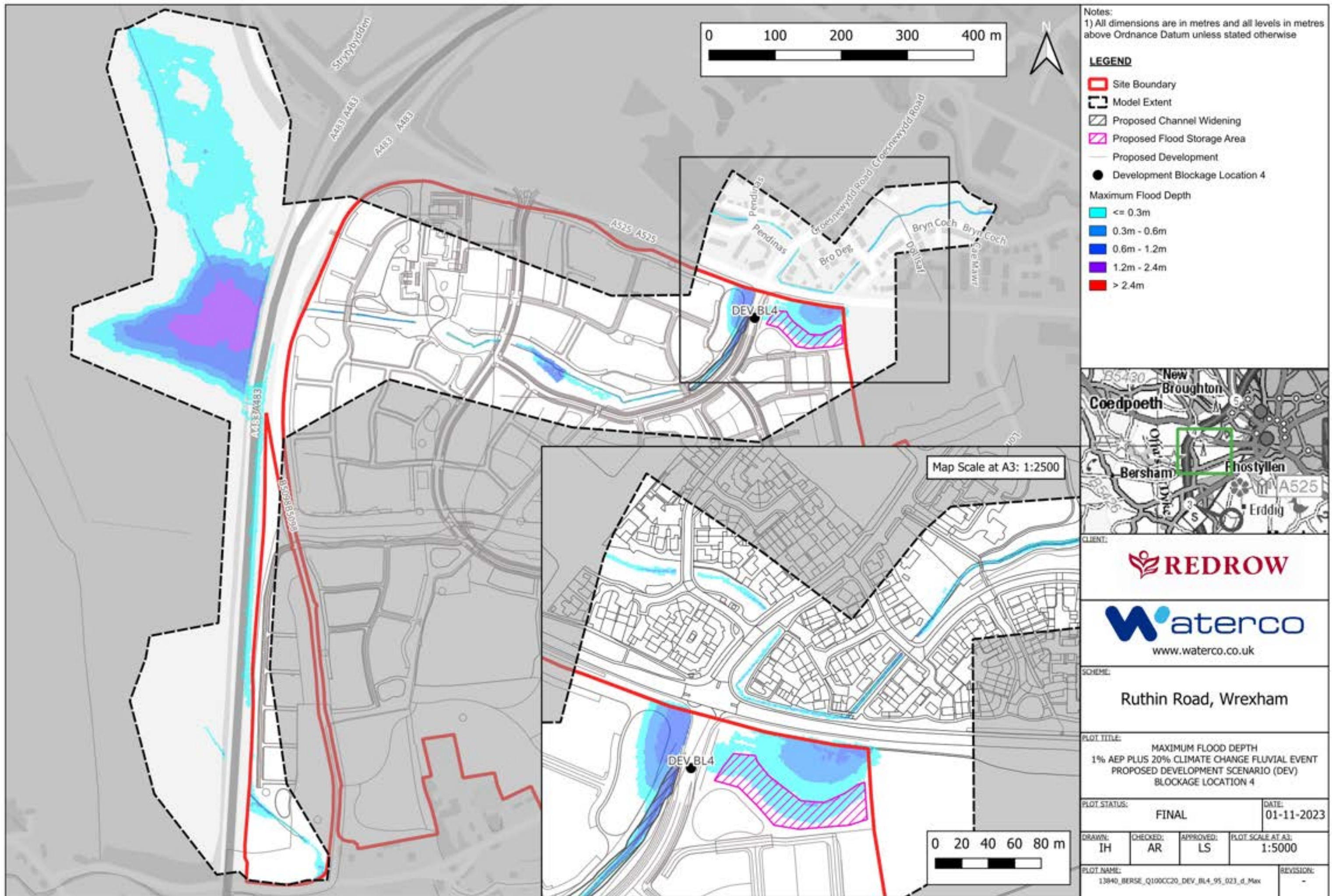




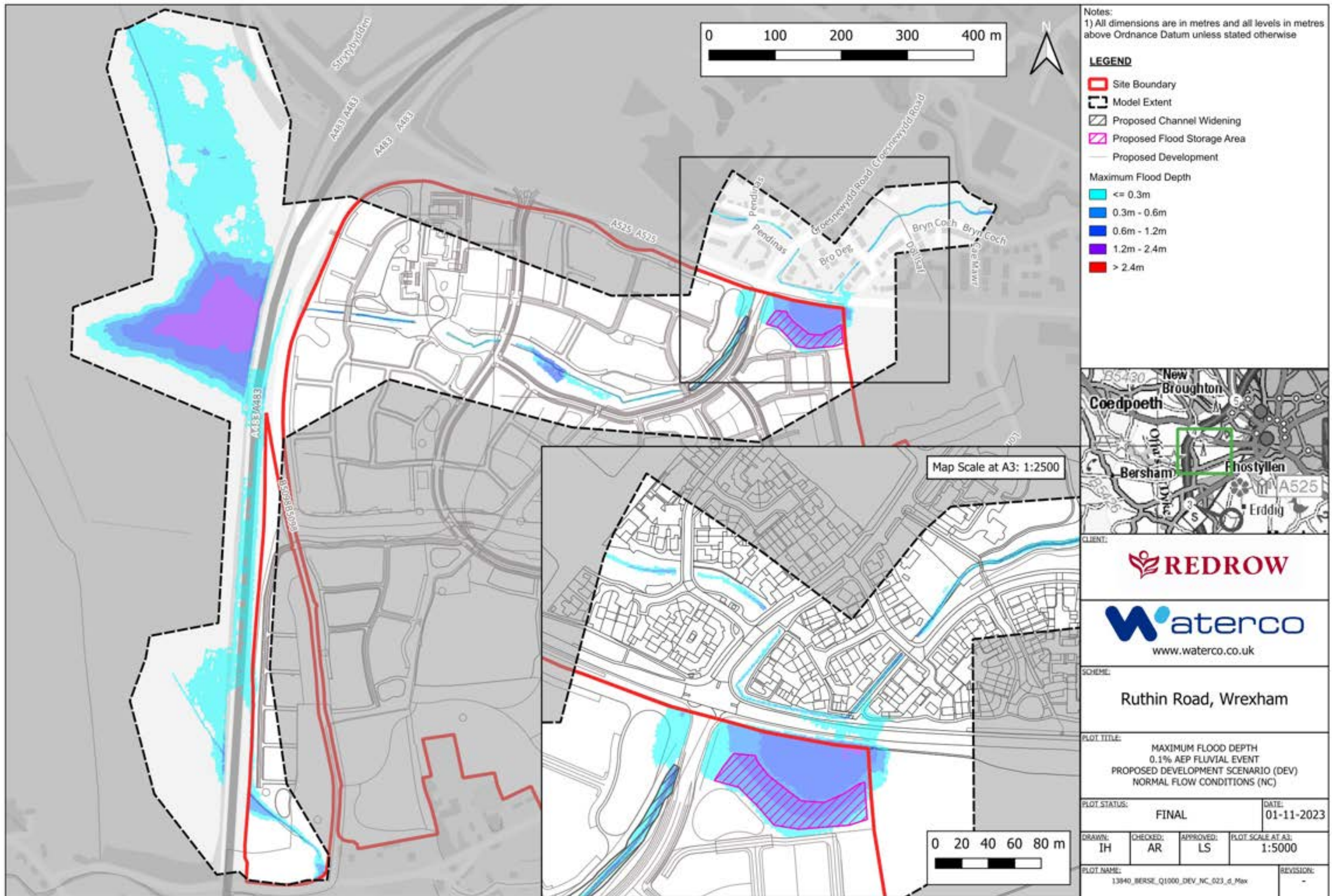


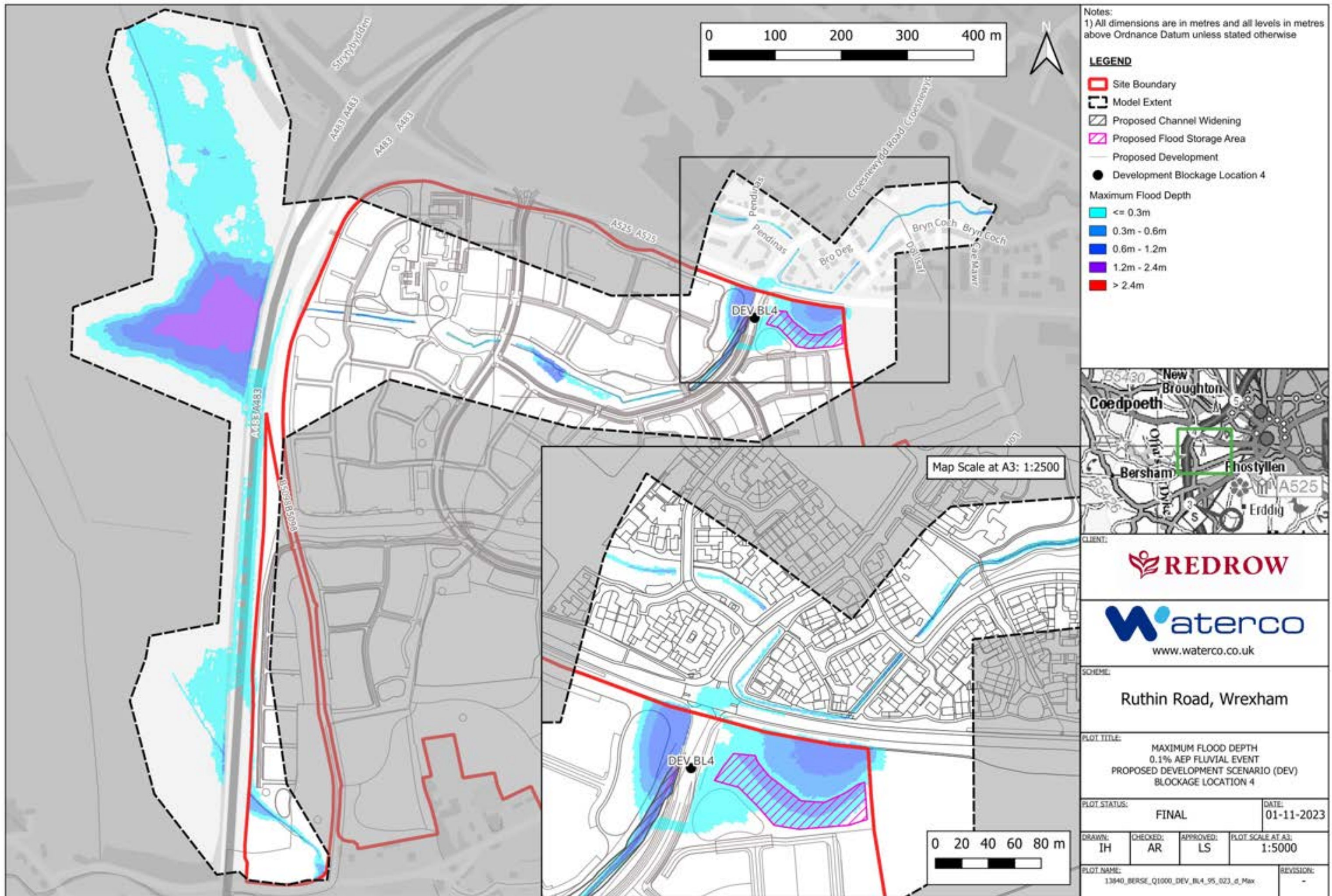


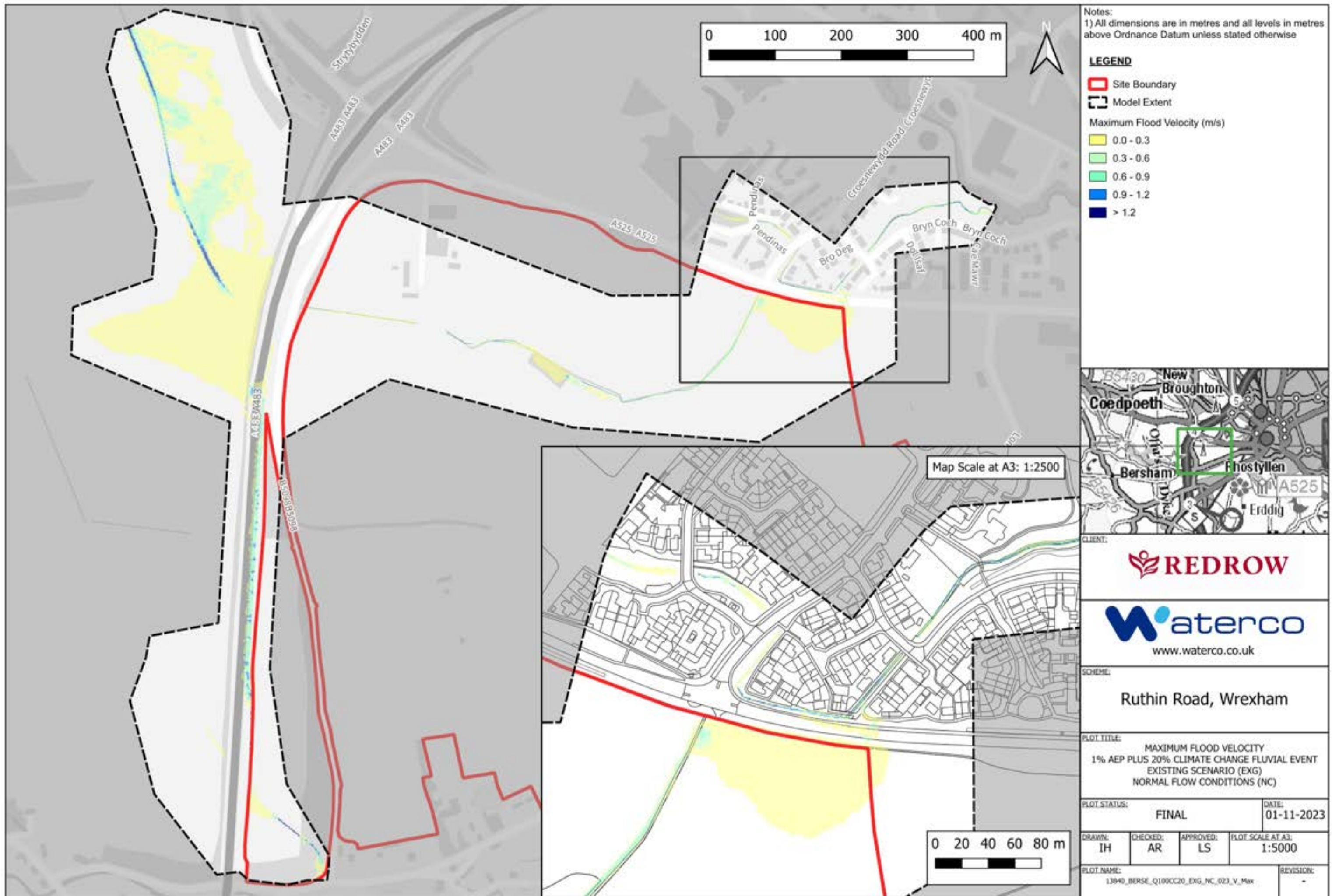


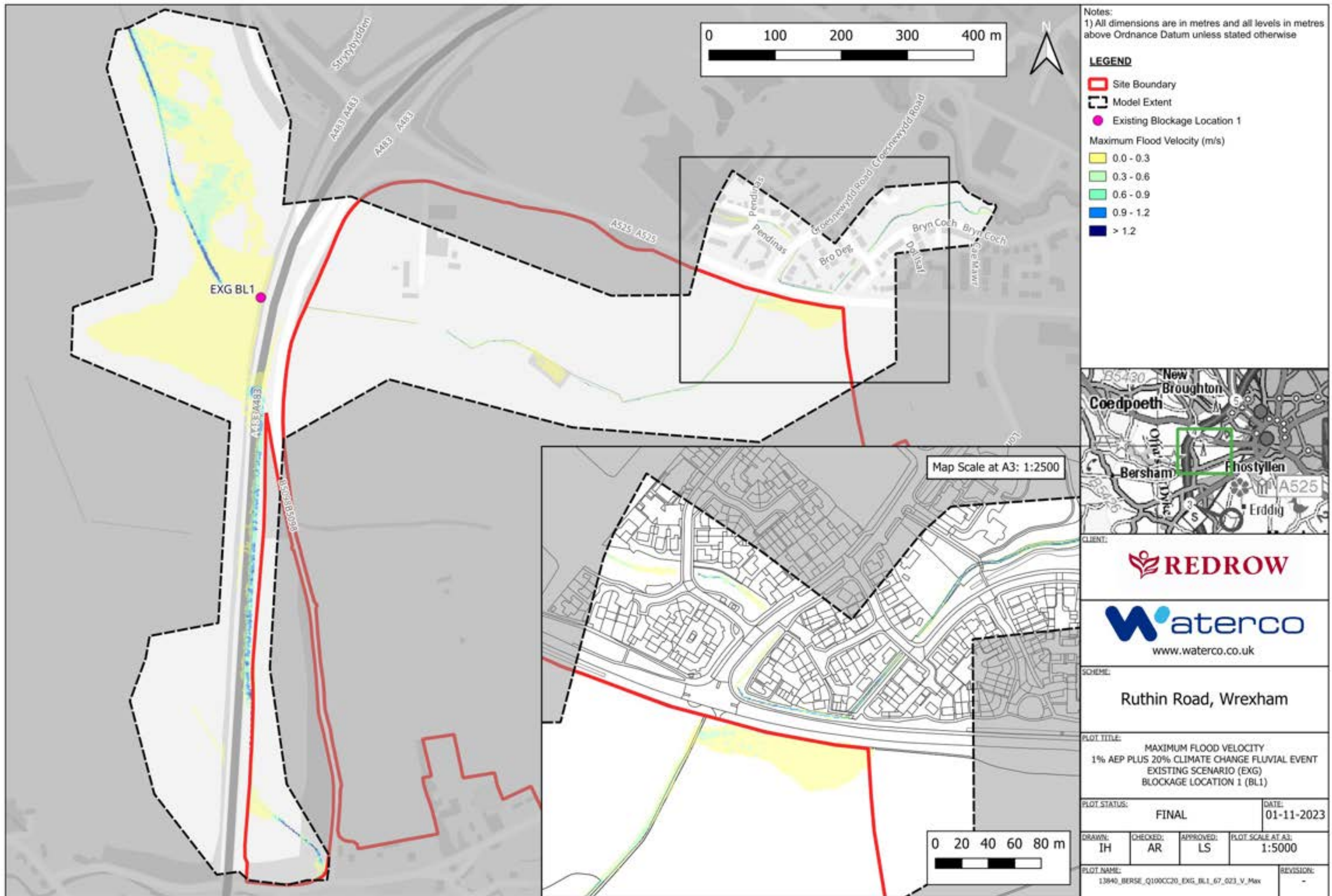


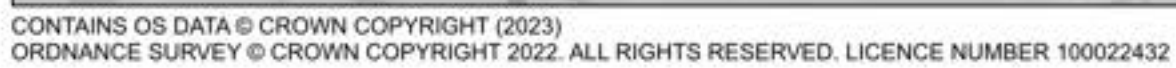


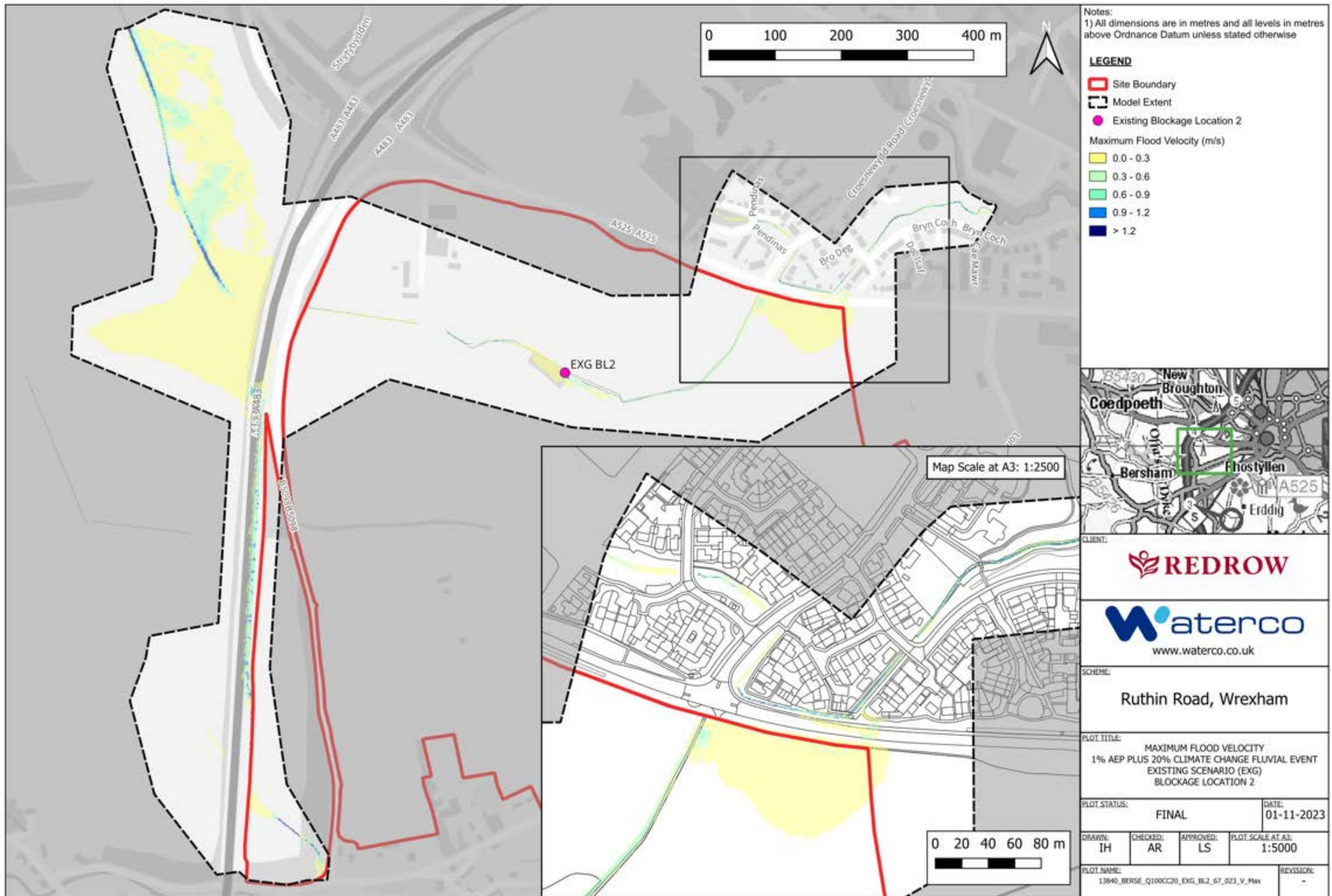












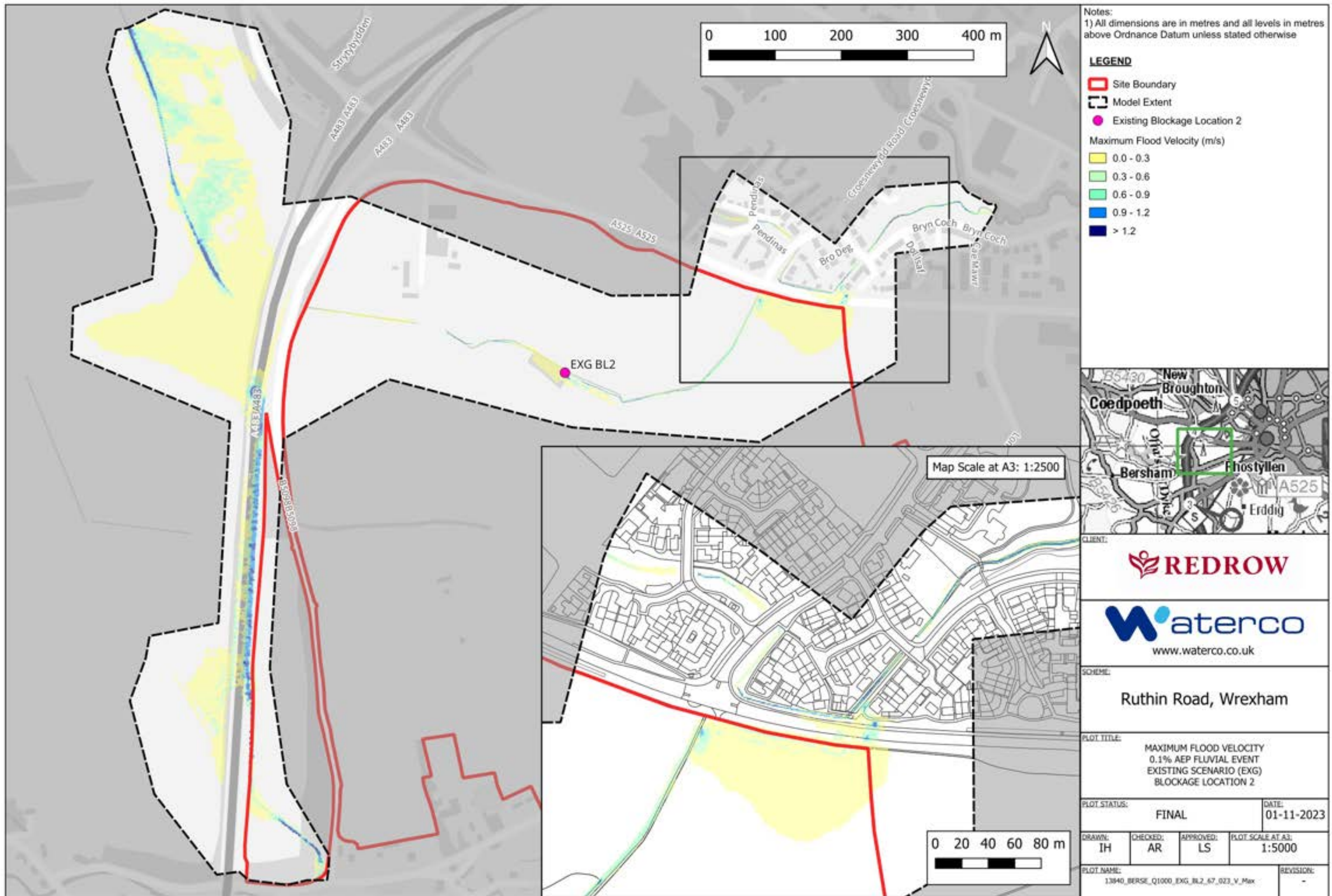
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

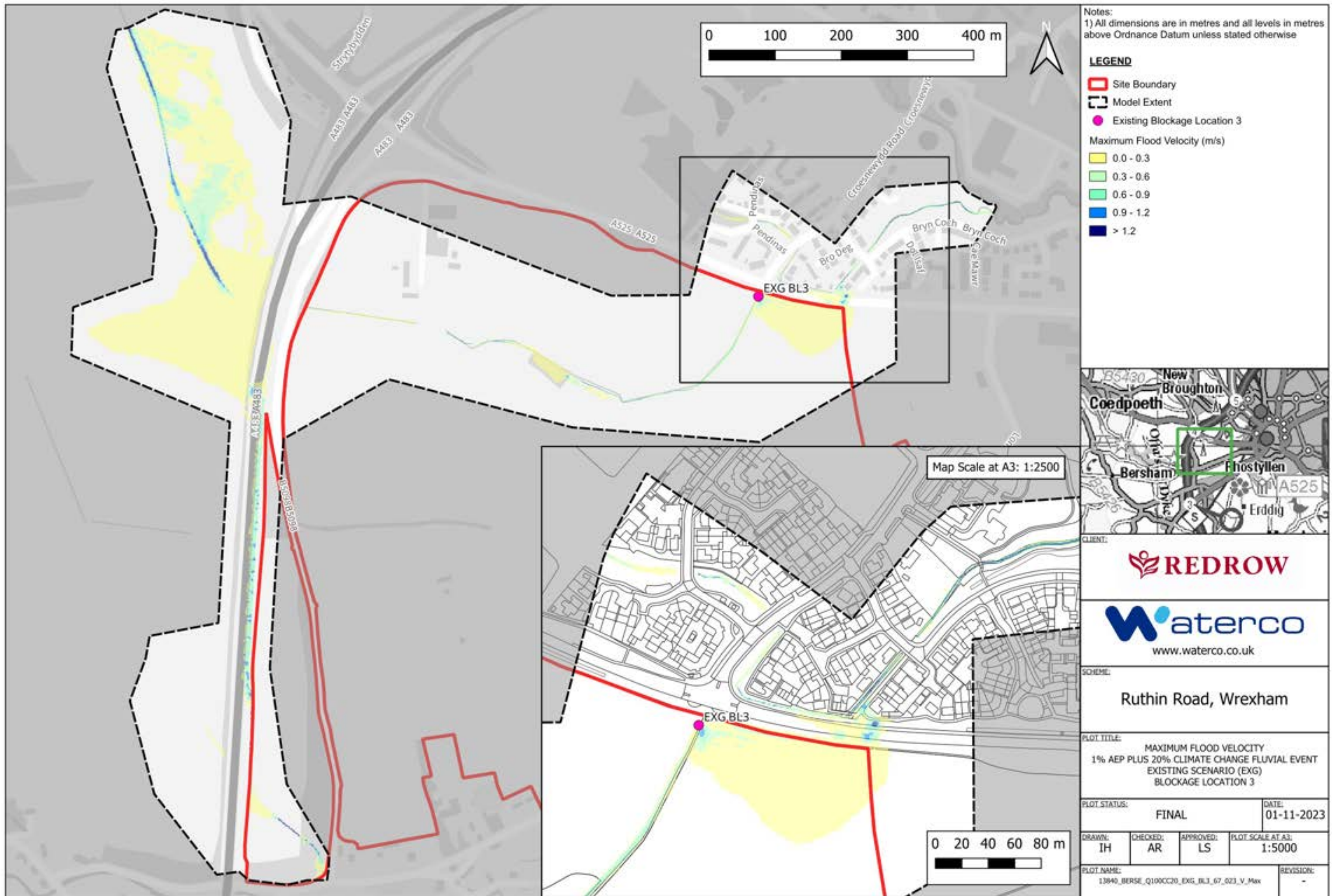
LEGEND

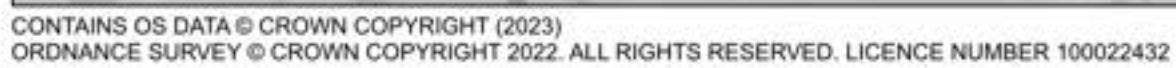
- Site Boundary
- Model Extent
- Existing Blockage Location 2
- Maximum Flood Velocity (m/s)
 - 0.0 - 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - > 1.2

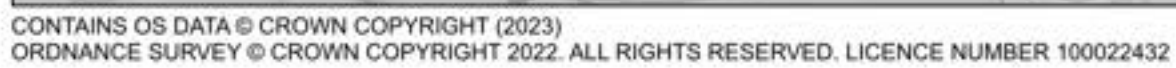


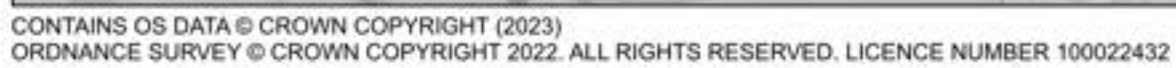
CLIENT:			
		 www.waterco.co.uk	
SCHEME:		Ruthin Road, Wrexham	
PLOT TITLE:		MAXIMUM FLOOD VELOCITY 1% AEP PLUS 20% CLIMATE CHANGE FLUVIAL EVENT EXISTING SCENARIO (EXG) BLOCKAGE LOCATION 2	
PLOT STATUS:		FINAL	DATE: 01-11-2023
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AR	LS	1:5000
PLOT NAME:			REVISION:
13840_BERSE_Q100C20_EXG_BL2_67_023_V_Max			-

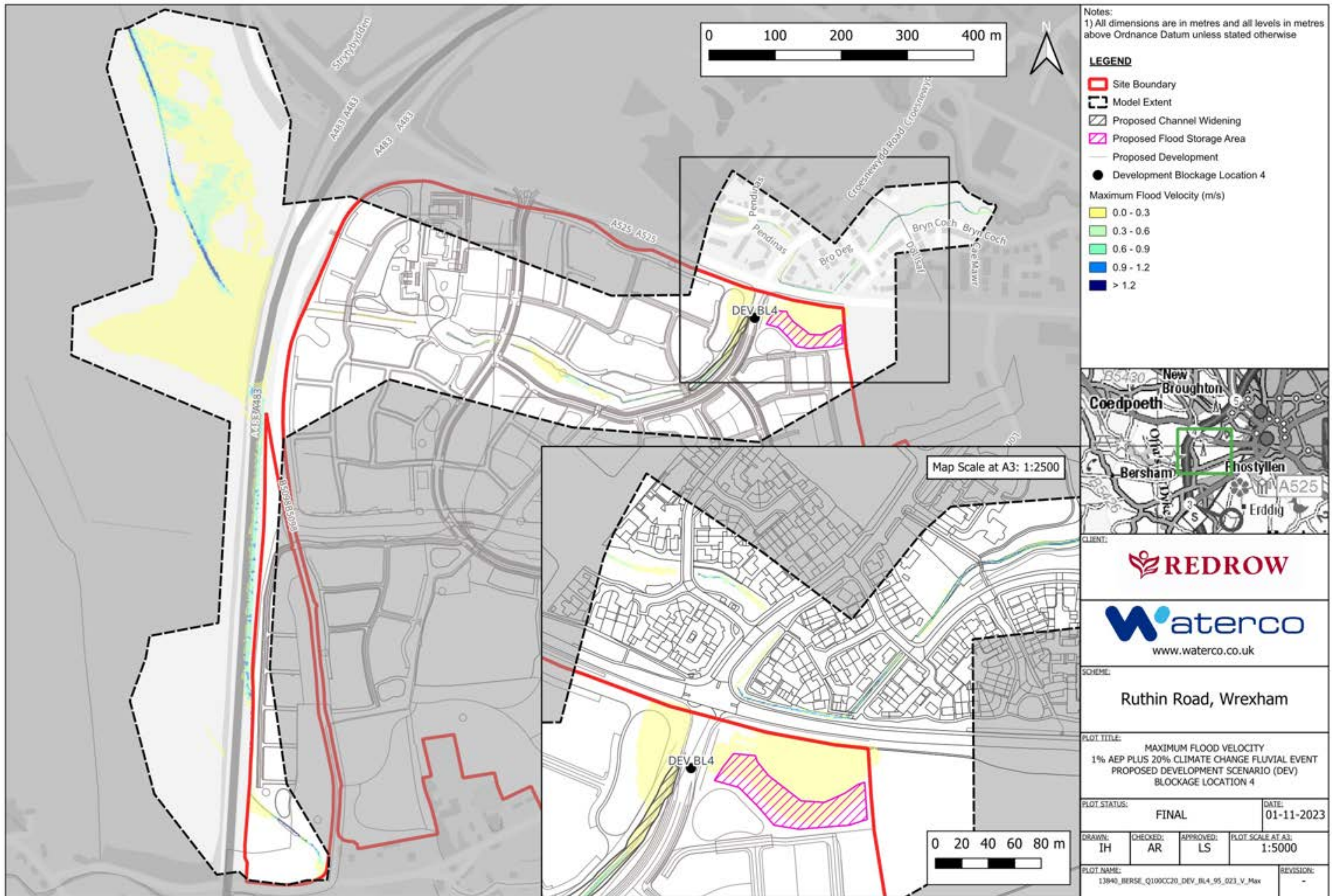


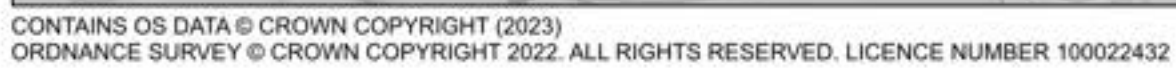


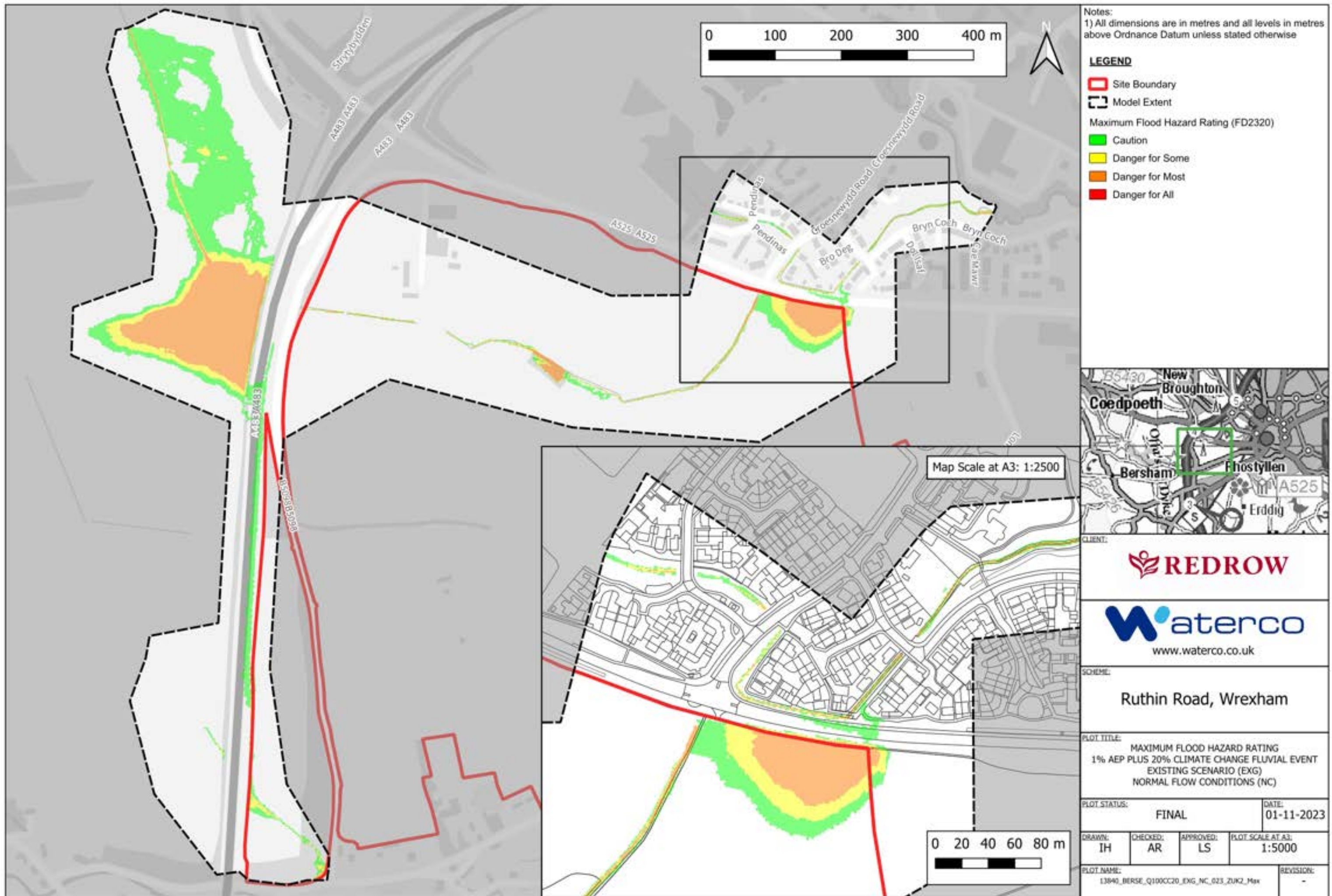


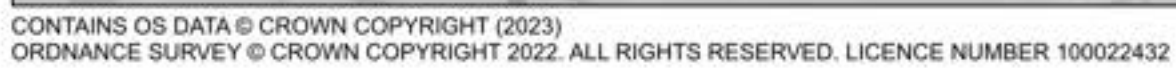


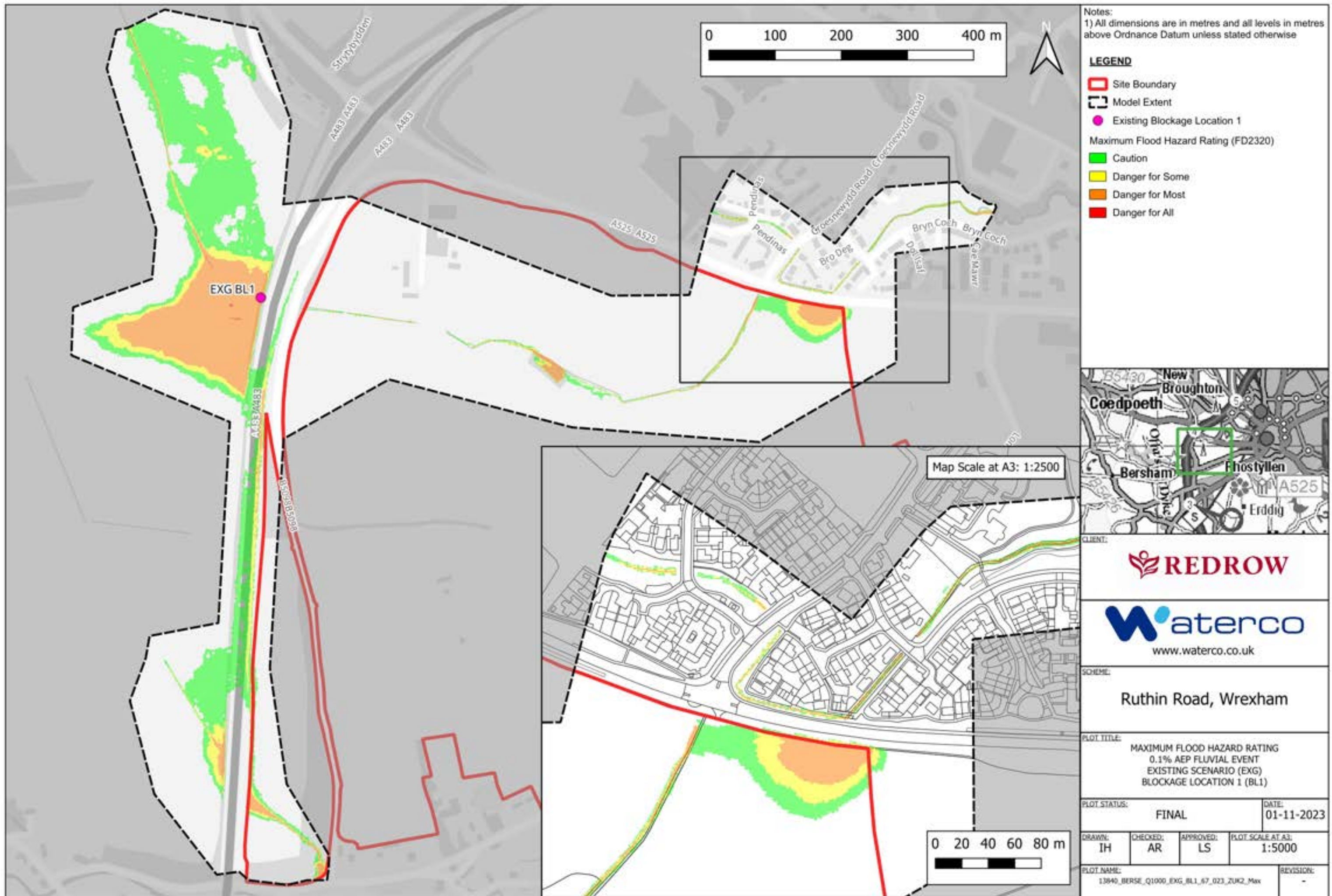


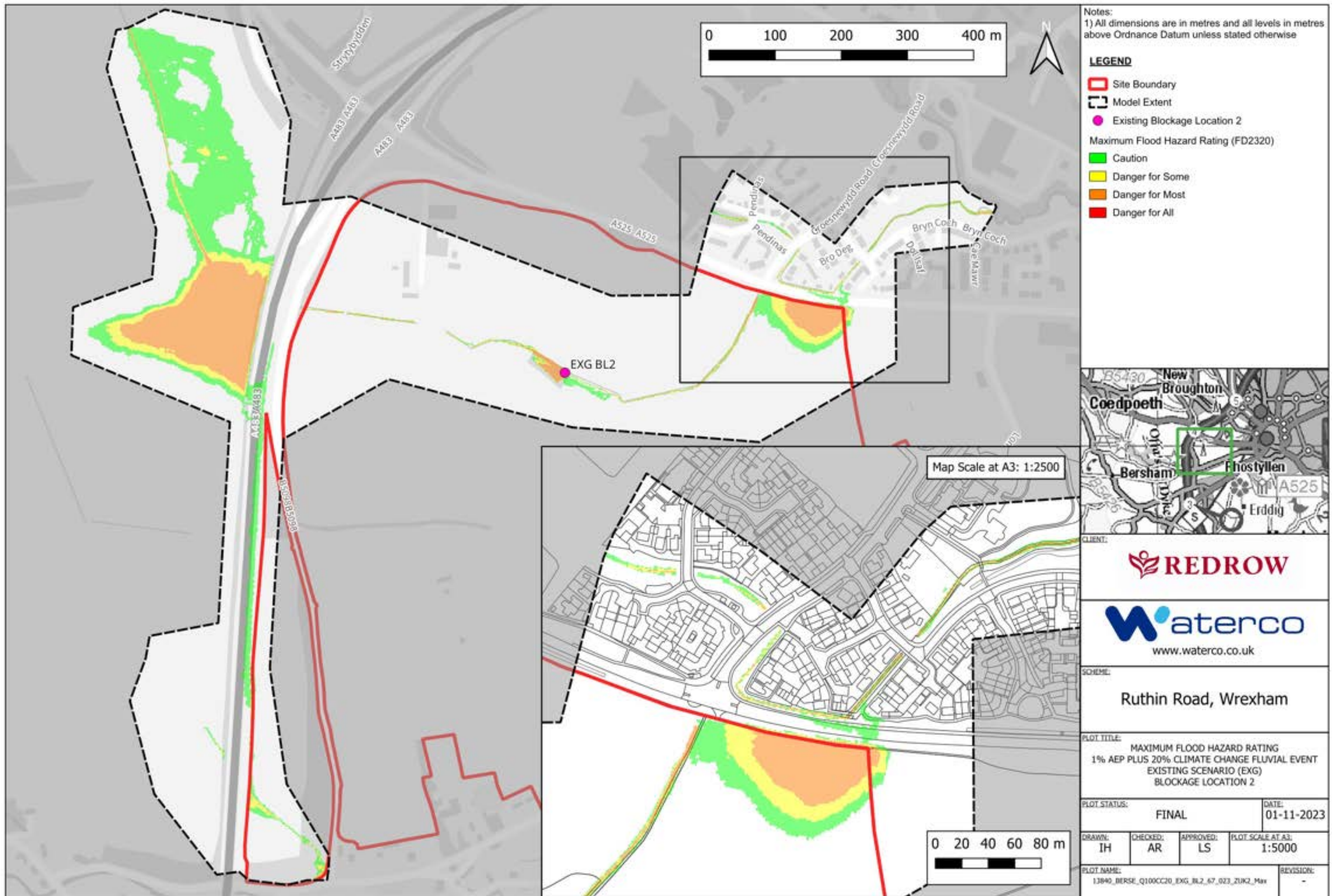


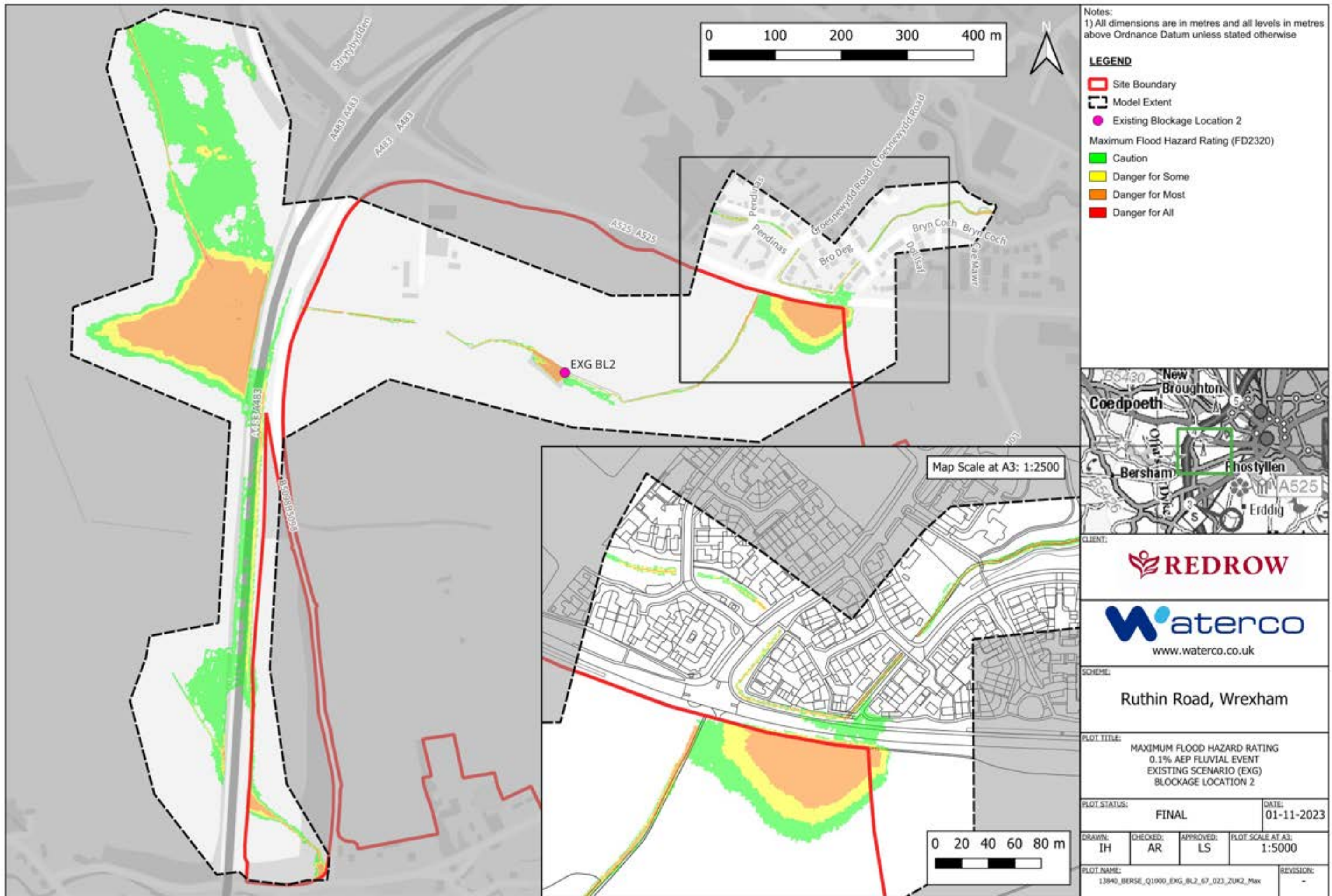


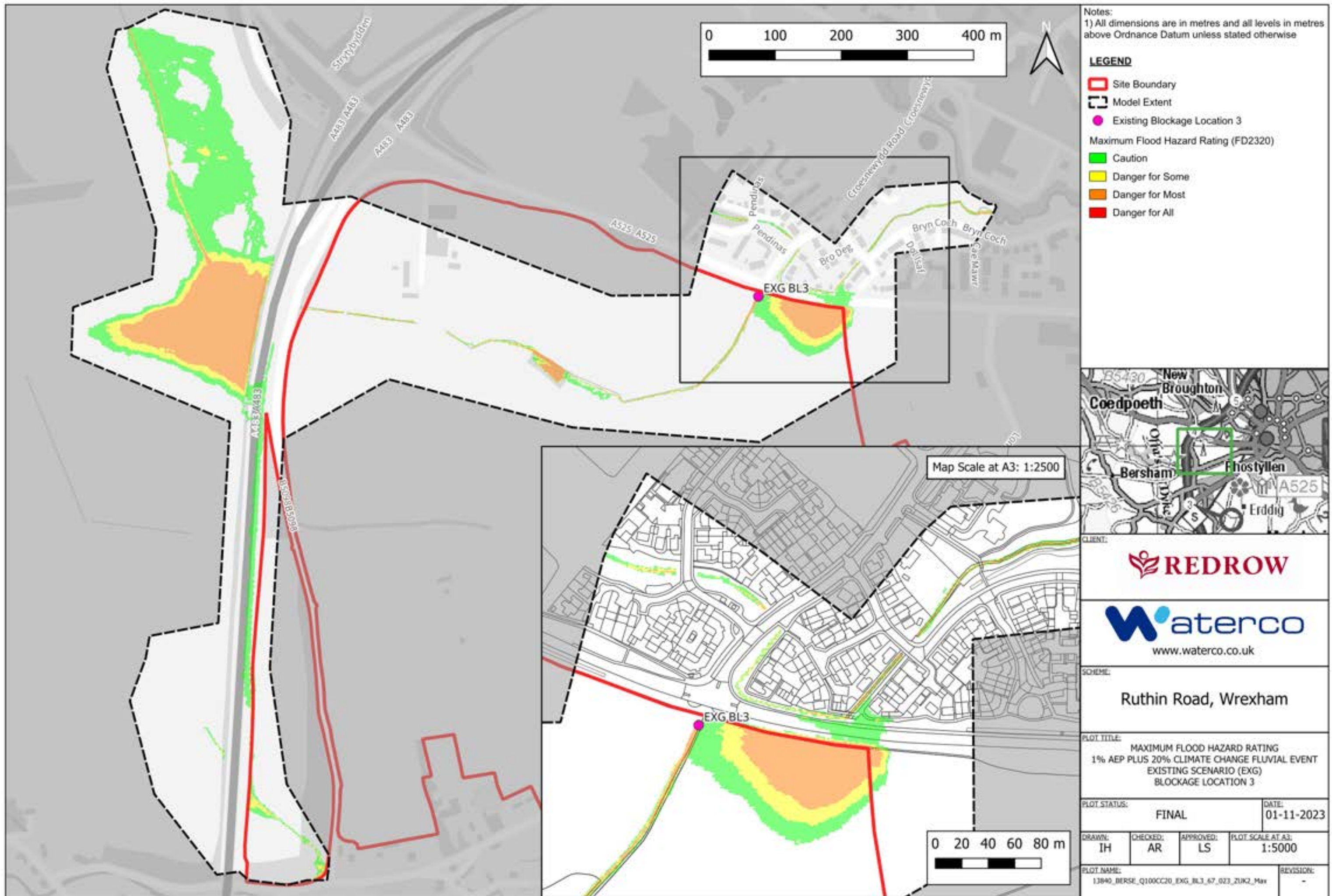


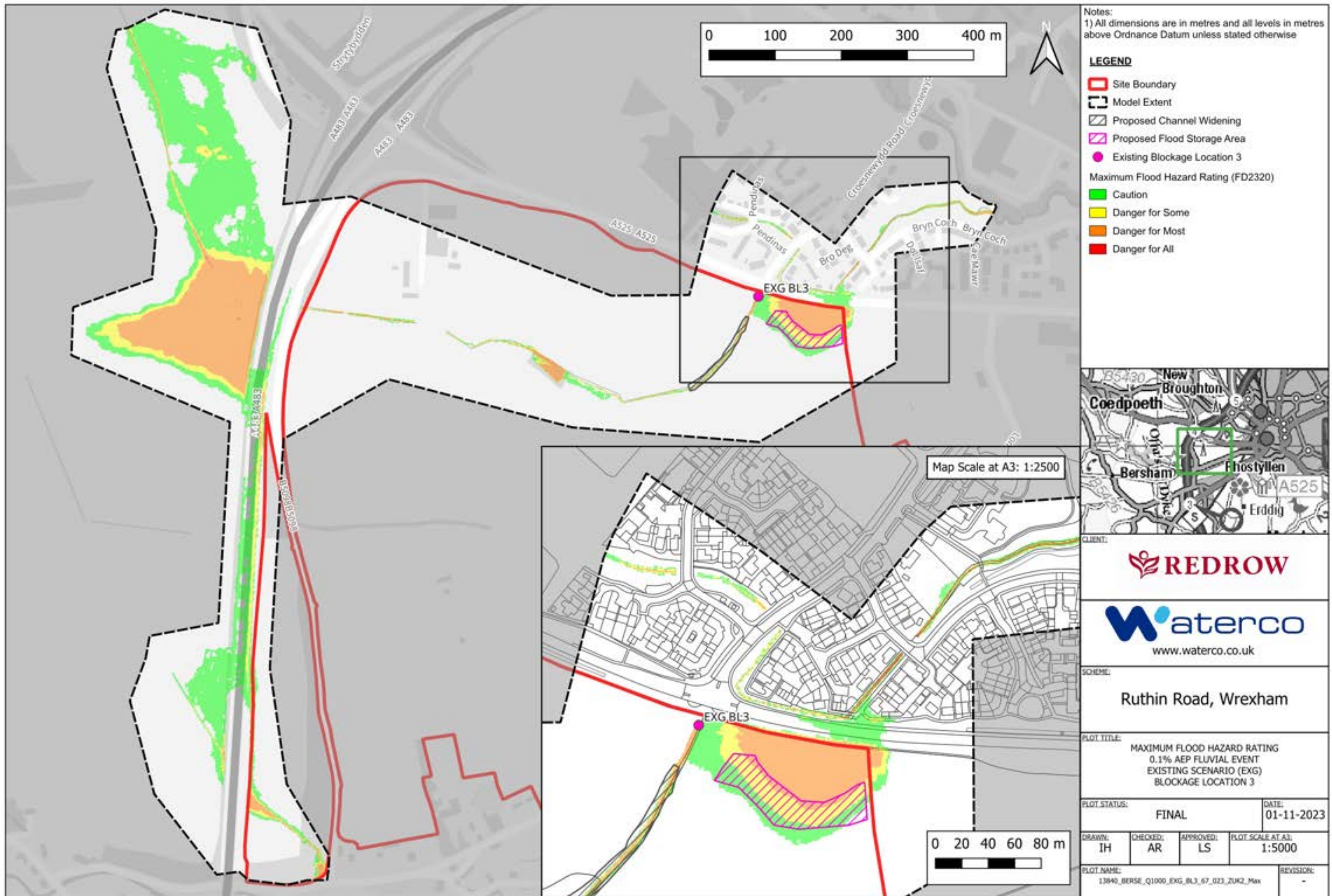


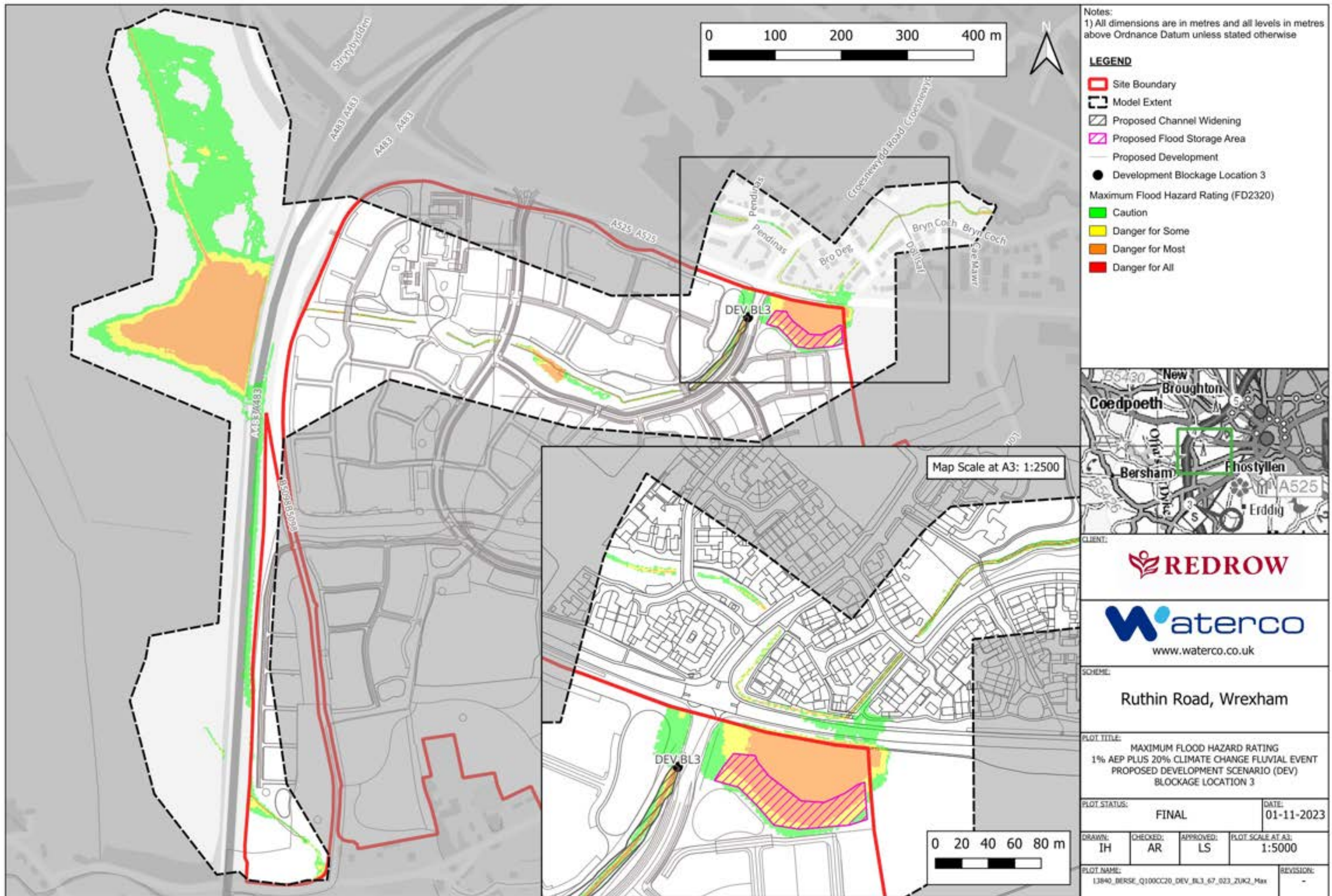


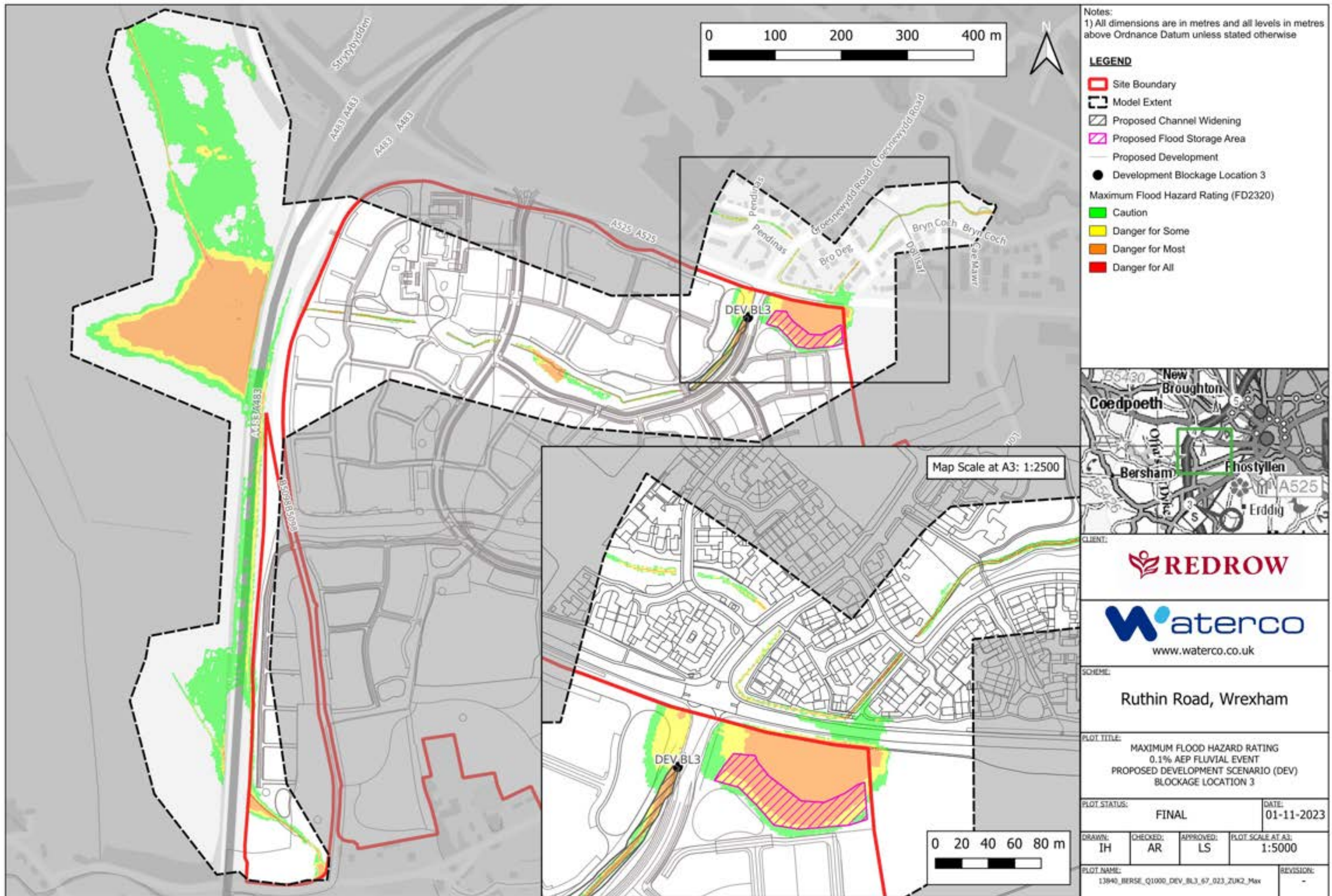


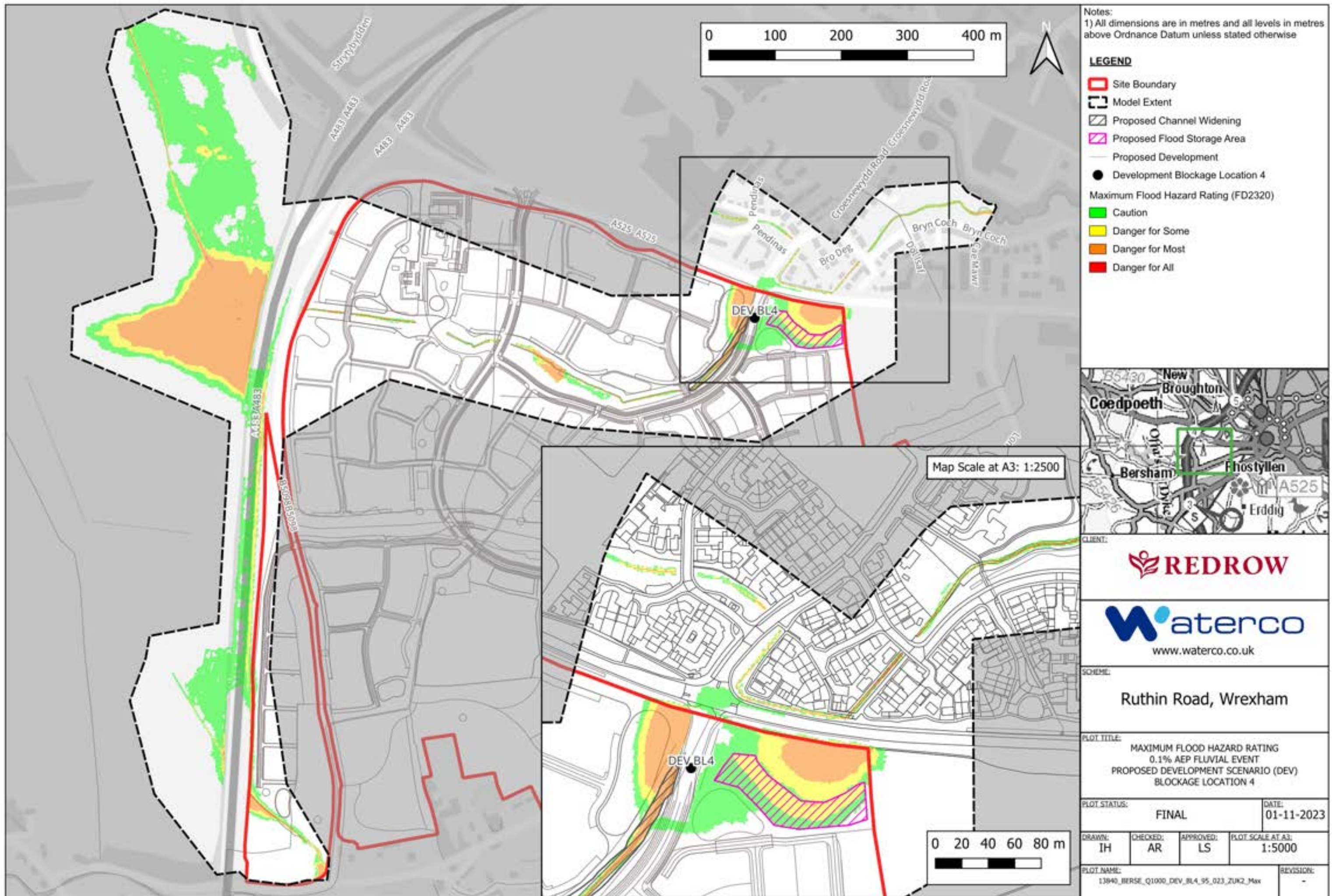






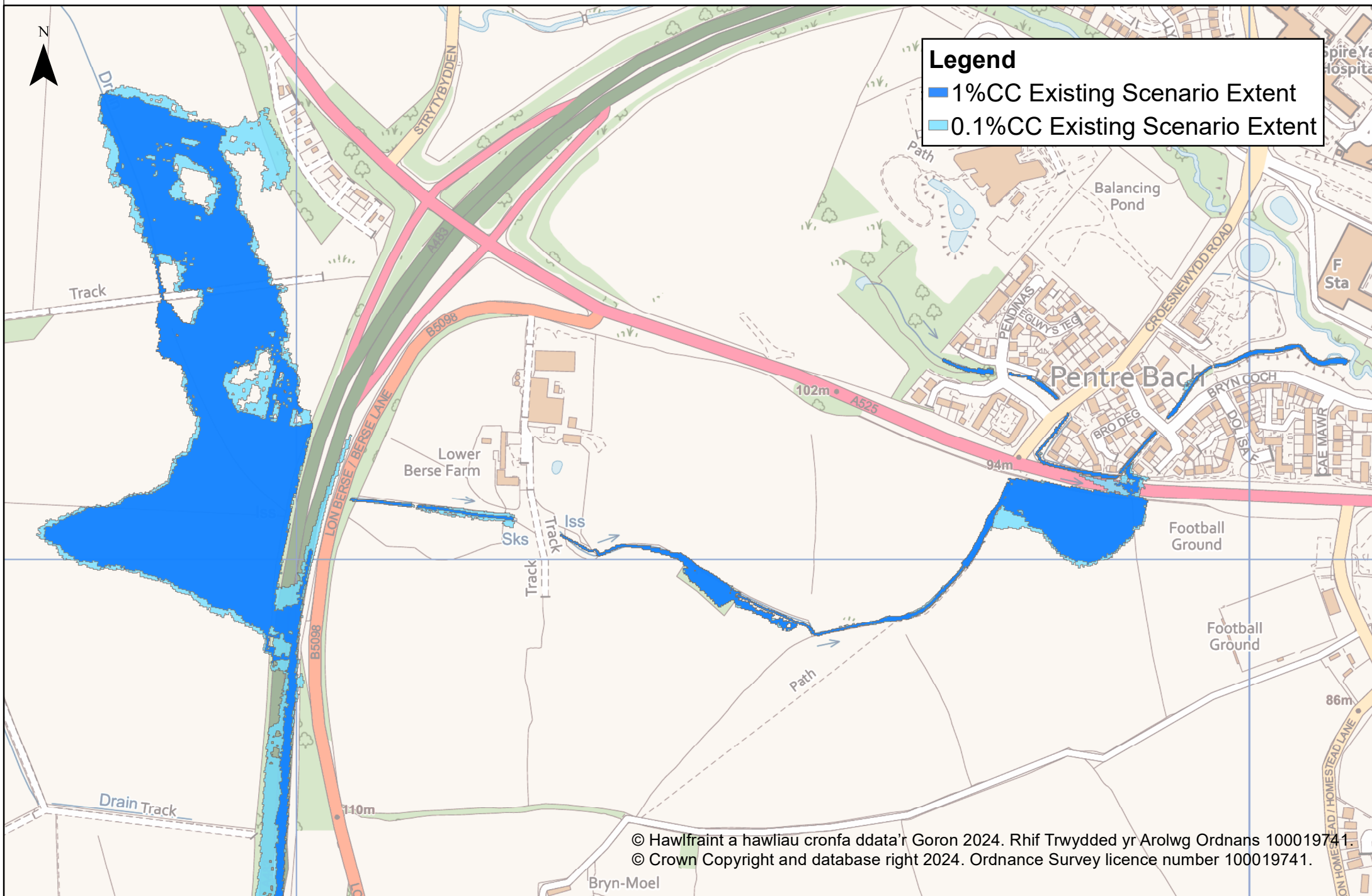








Lower Berse Farm Modelled Flood Outlines





Lower Berse Farm Modelled Flood Outlines

