



Frodsham Solar

Environmental Statement: Volume 2

Appendix 9-3: Hydraulic Modelling Report

Part 4 of 4

May 2025

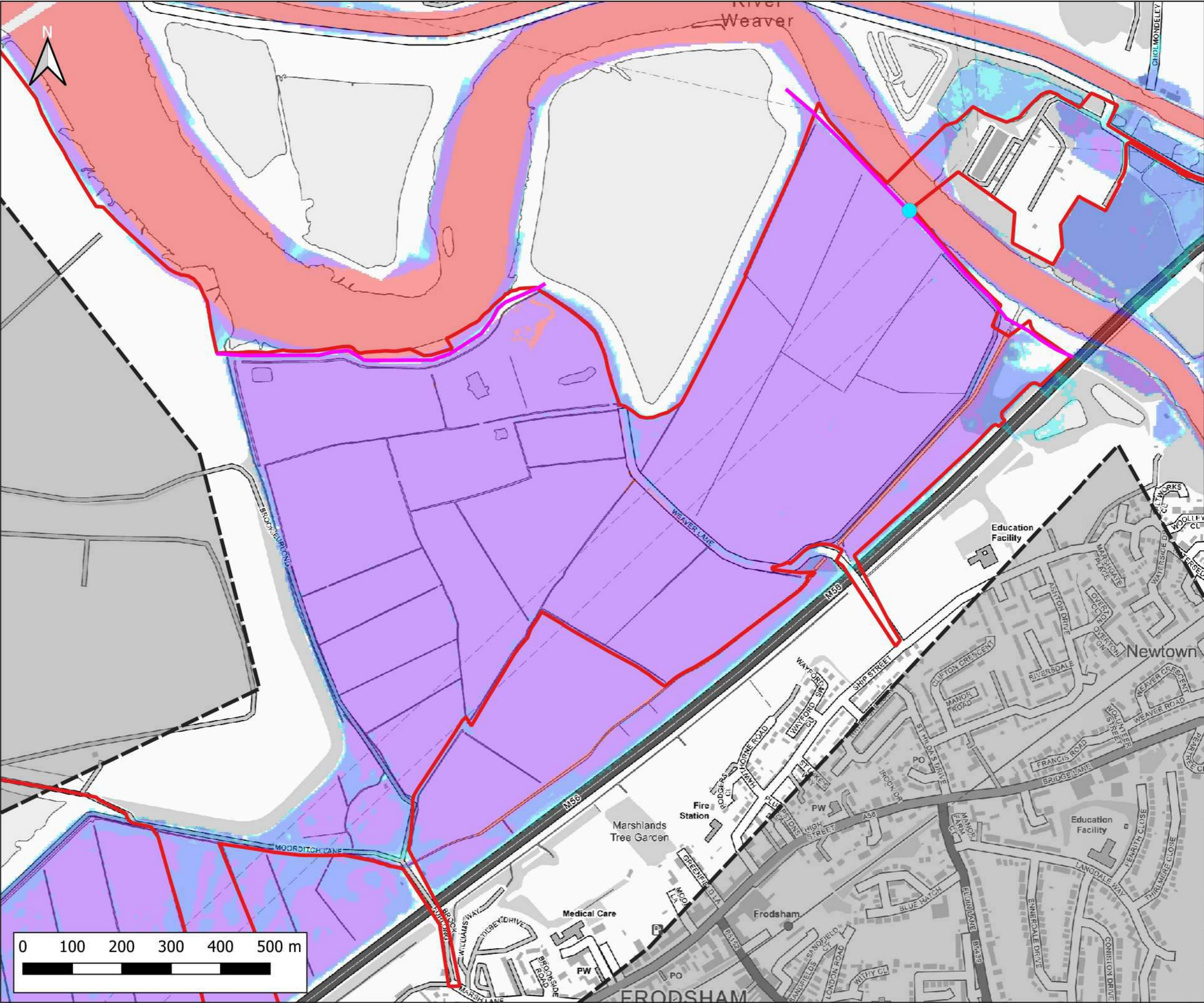


PINS Ref: EN010153

Document Ref: EN010153/DR/6.2

**Planning Act 2008; and Infrastructure Planning (Applications:
Prescribed Forms and Procedure) Regulations Regulation 5(2)(a)**

Revision P01



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 2 Location (BR2)

Maximum Flood Depth

- < 0.3m
- 0.3m - 0.6m
- 0.6m - 1.2m
- 1.2m - 2.4m
- > 2.4m

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

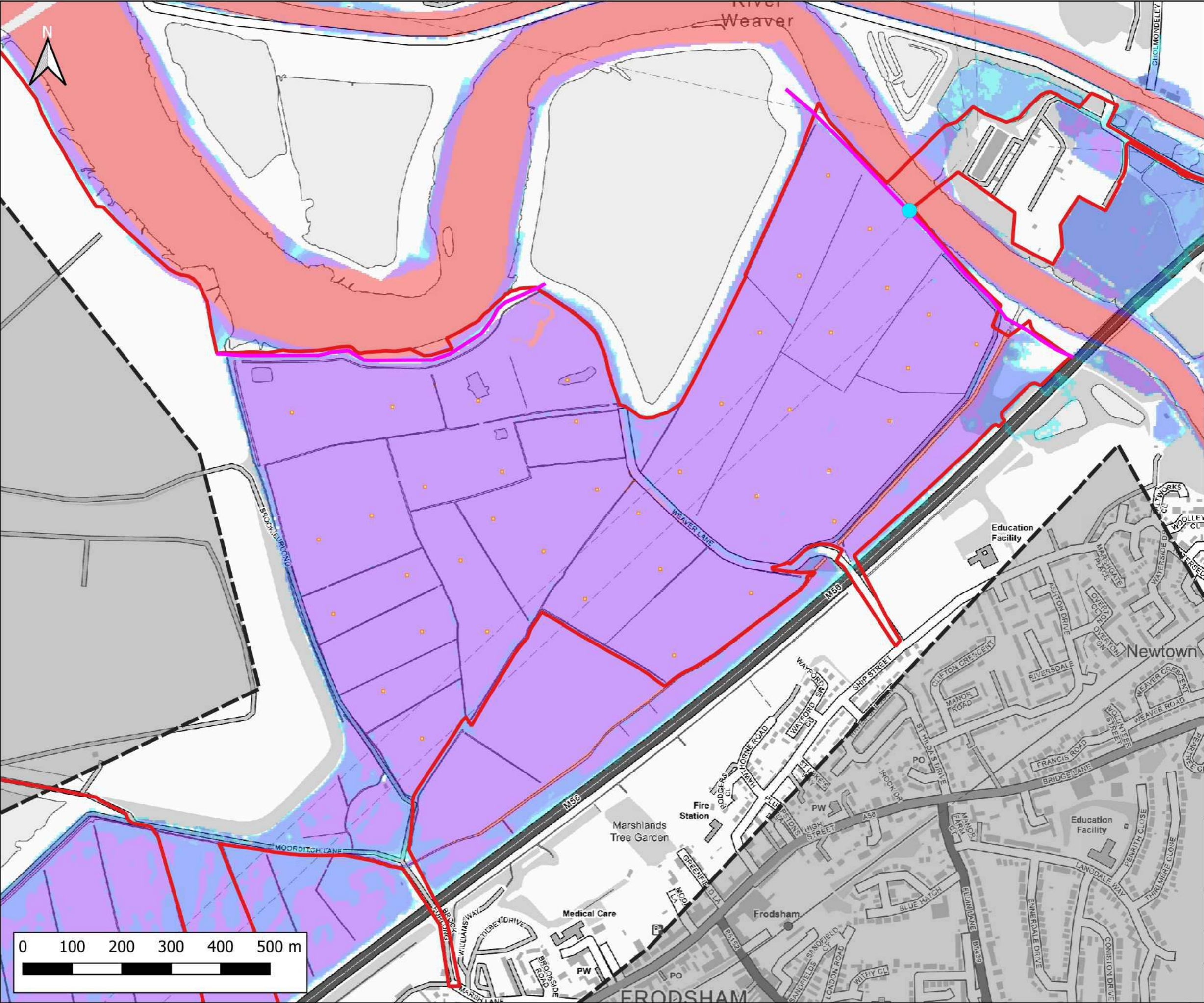
PLOT TITLE:

River Weaver Maximum Flood Depth
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 2 Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_EXG_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_d_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Depth

- < 0.3m
- 0.3m - 0.6m
- 0.6m - 1.2m
- 1.2m - 2.4m
- > 2.4m

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

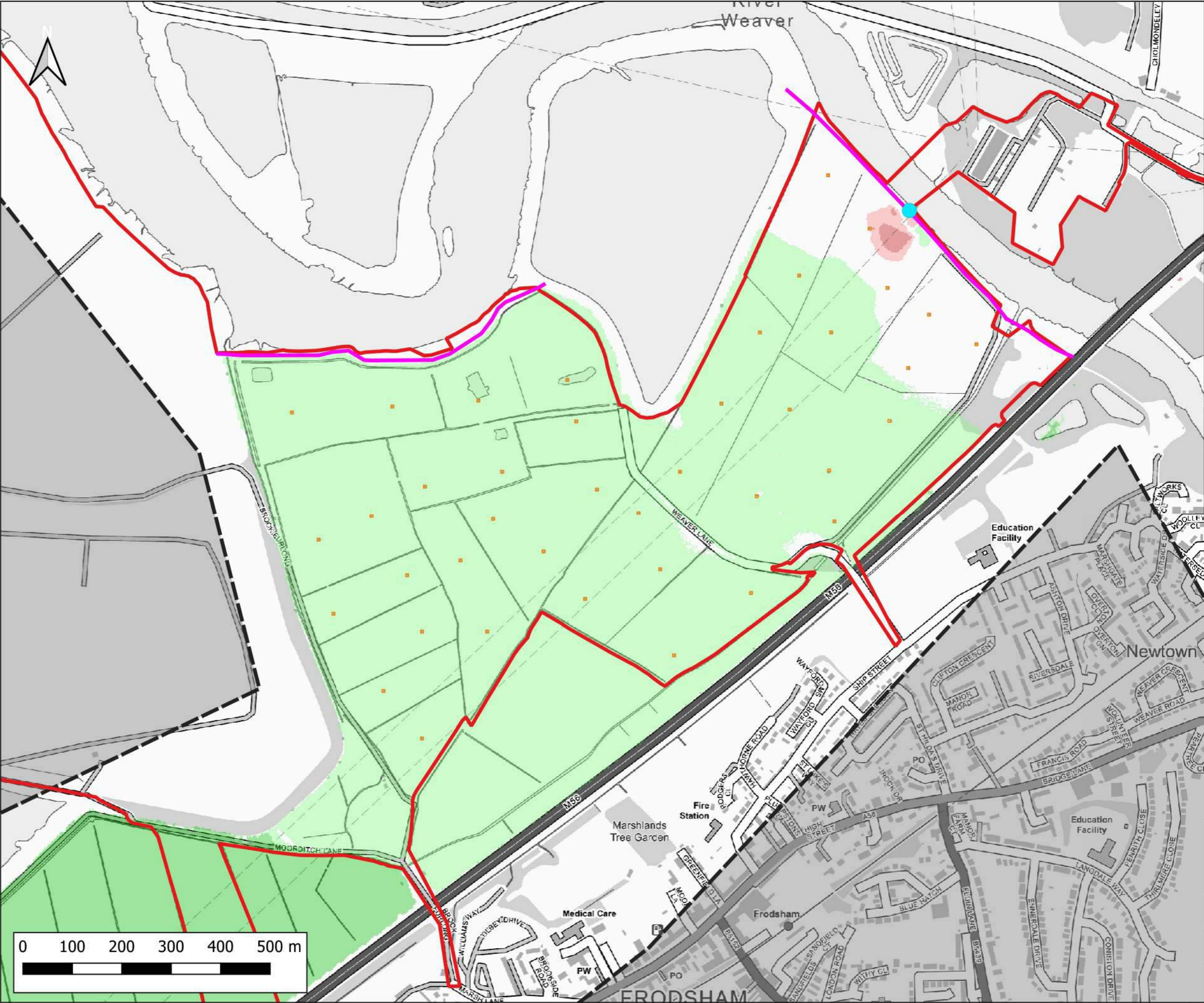
SCHEME:

Frodsham Solar

PLOT TITLE:

River Weaver Maximum Flood Depth
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:		FINAL		DATE:	30-04-2025
DRAWN:	CHKD:	APPROVED:	PLOT SCALE AT A3:		
MH	AP	LS	1:7500		
PLOT NAME:					REVISION:
14740_LW_BR2_DEV2_Q100CC57_M(L0W)_NE(T200HC_2075UE)_052_d_Max					-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Depth Difference

- > -100mm
- 50mm to -100mm
- 20mm to -50mm
- No Change (+/- 20mm)
- +20mm to +50mm
- +50mm to +100mm
- > +100mm

Weston
3
12
River Weaver
East
FRODSHAM

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

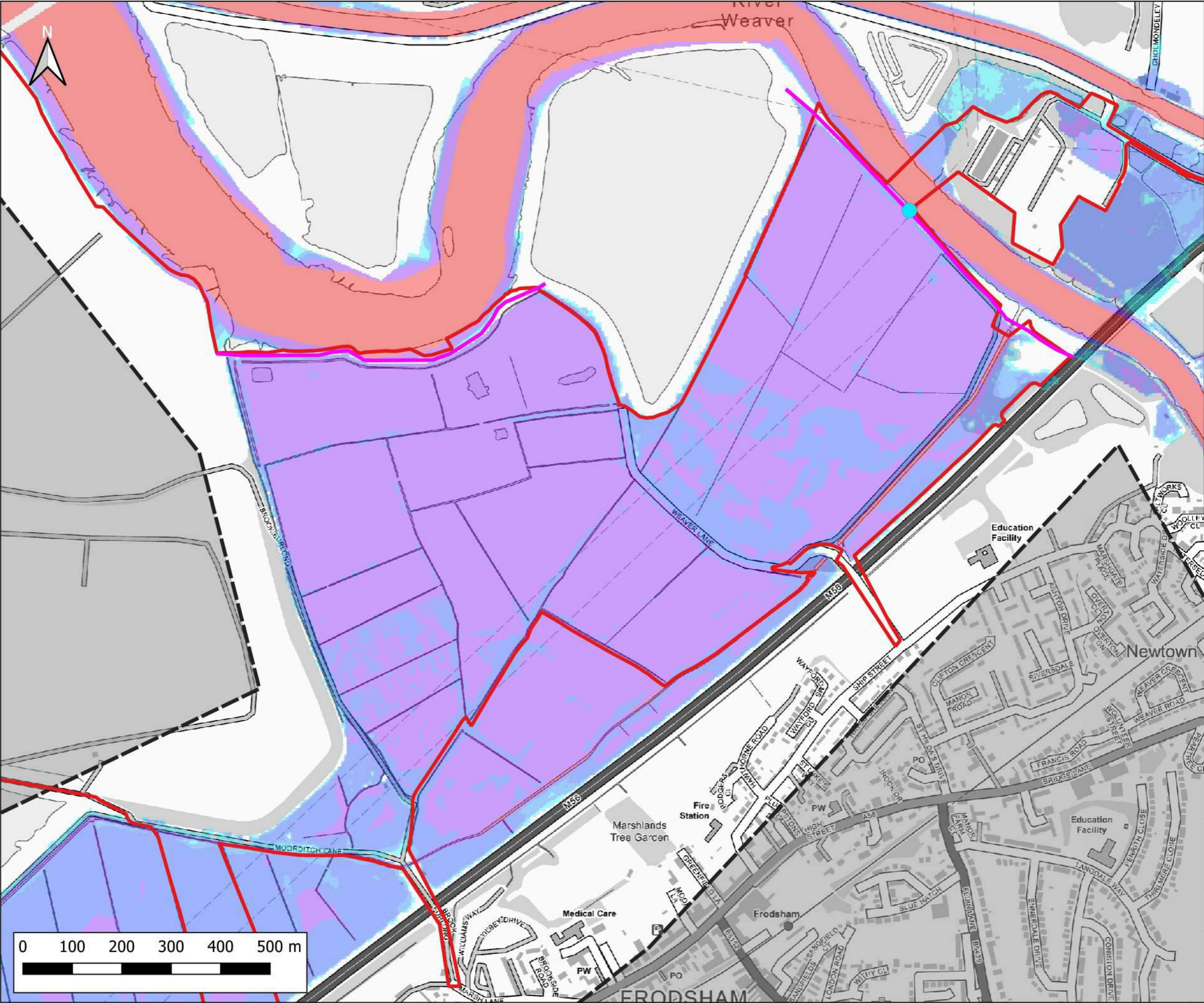
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Depth Difference
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 2 DEV - EXG

PLOT STATUS: FINAL DATE: 30-04-2025

DRAWN: MH CHECKED: AP APPROVED: LS PLOT SCALE AT A3: 1:7500

PLOT NAME: 14740_LW_BR2_DEV2-EXG_Q100CC67_M(L0W)_ME(T200HC_2075UE)_052_d_Diff REVISION: -



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 2 Location (BR2)

Maximum Flood Depth

- < 0.3m
- 0.3m - 0.6m
- 0.6m - 1.2m
- 1.2m - 2.4m
- > 2.4m

CLIENT:

Frodsham Solar Ltd

waterco

www.waterco.co.uk

SCHEME:

Frodsham Solar

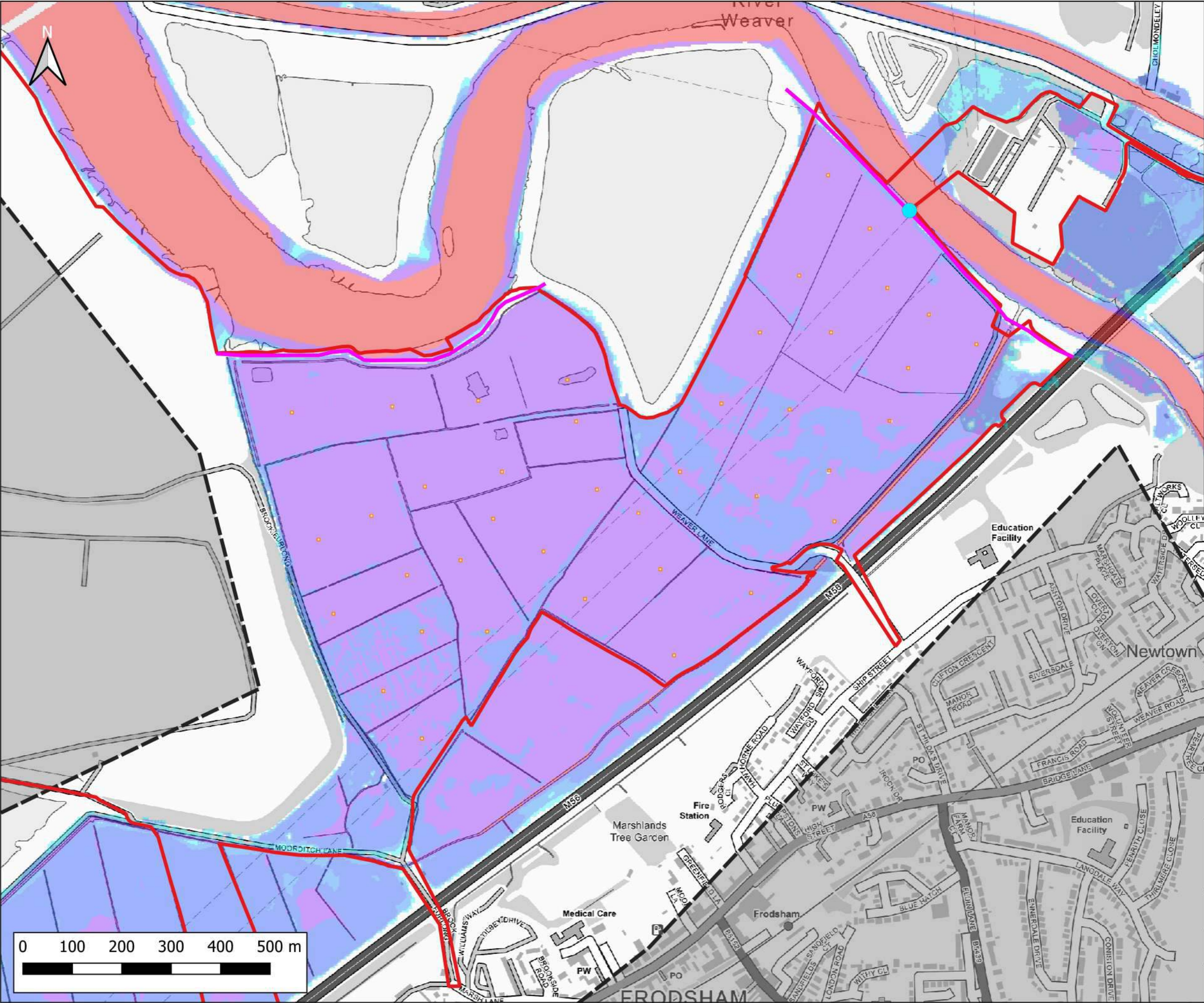
PLOT TITLE:

River Weaver Maximum Flood Depth
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_EXG_Q100CC106_M(L0W)_ME(MHWSCC)_052_d_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Depth

- <- 0.3m
- 0.3m - 0.6m
- 0.6m - 1.2m
- 1.2m - 2.4m
- > 2.4m

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

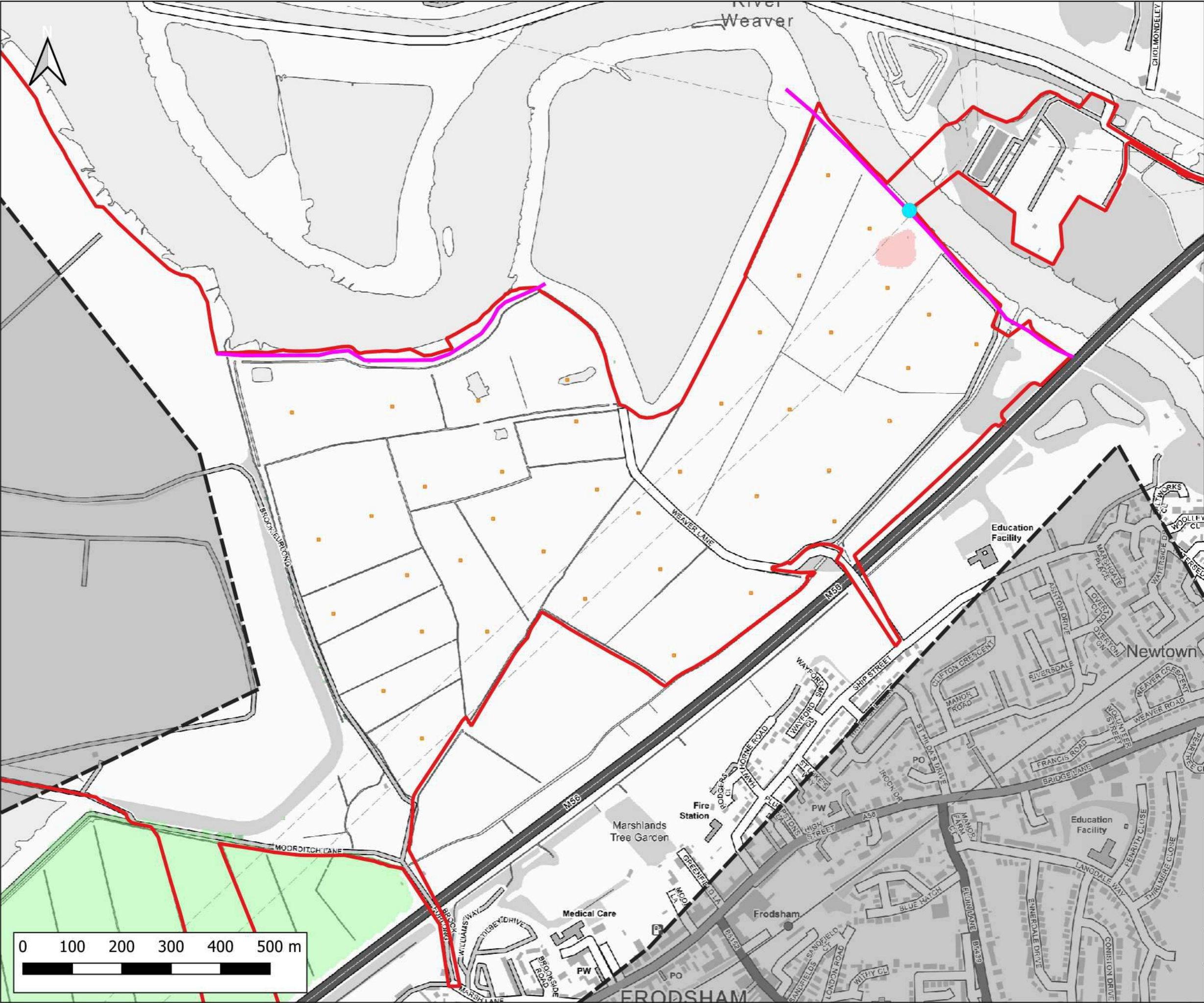
PLOT TITLE:

River Weaver Maximum Flood Depth
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_DEV2_Q100CC106_M(LOW)_ME(MHWSCC)_052_d_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Depth Difference

- > -100mm
- 50mm to -100mm
- 20mm to -50mm
- No Change (+/- 20mm)
- +20mm to +50mm
- +50mm to +100mm
- > +100mm

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

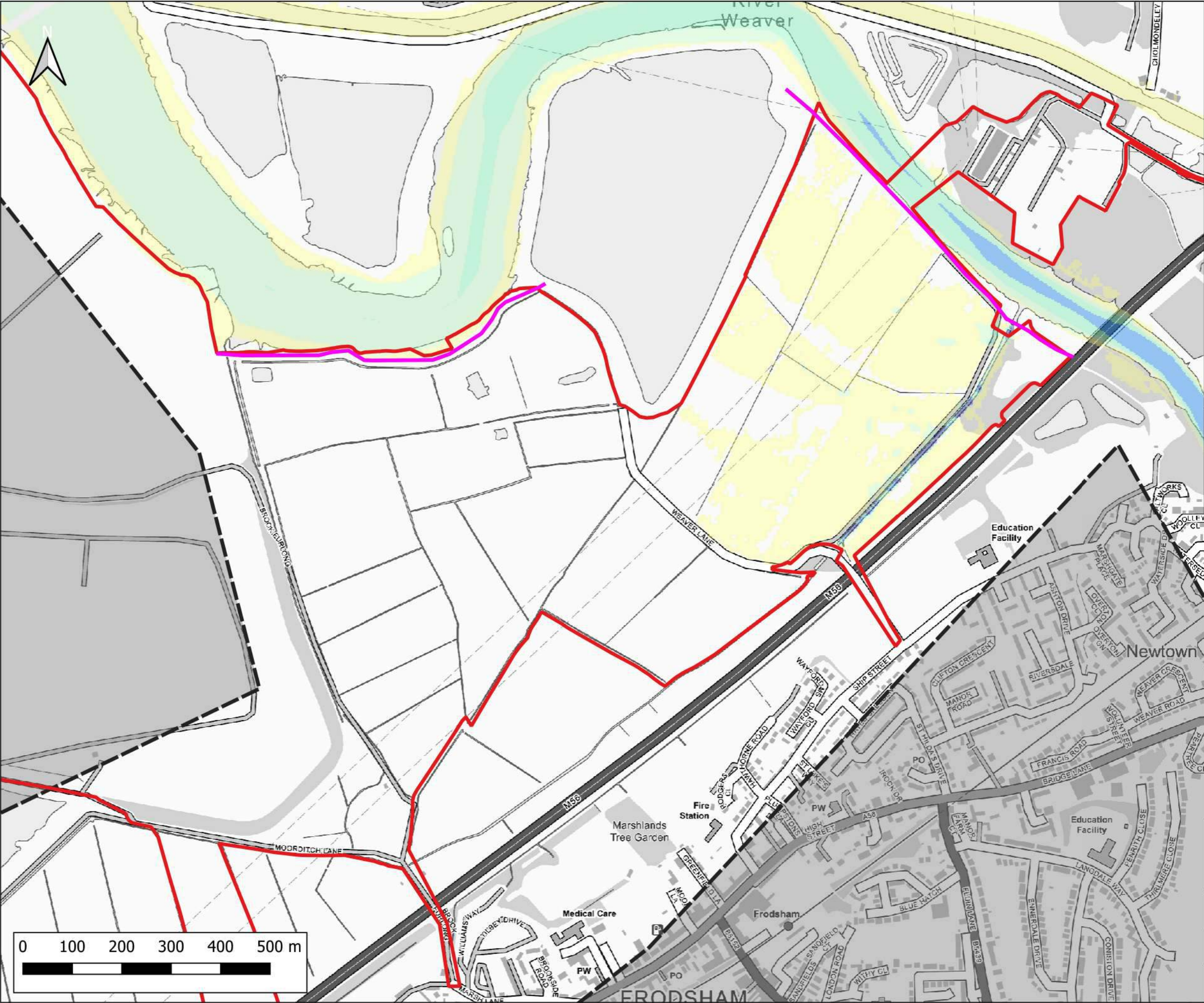
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Depth Difference
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 DEV - EXG

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_DEV2-EXG_Q100CC106_M(LW)_ME(MHWSCC)_052_d_Diff	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

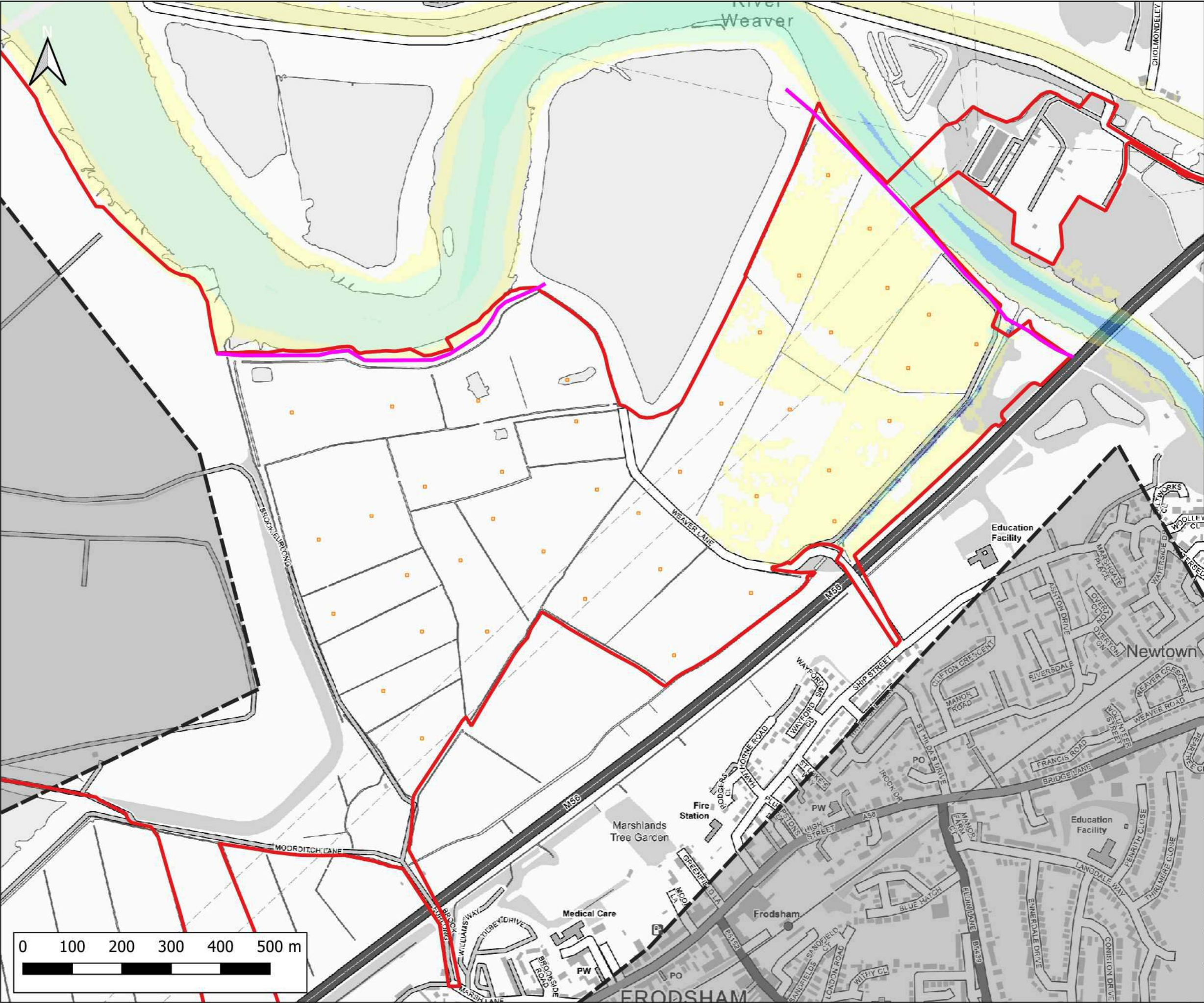
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP Fluvial Event
MWHs Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q100_M(LOW)_ME(MHWS)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

Weston

3

12

East

FRODSHAM

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

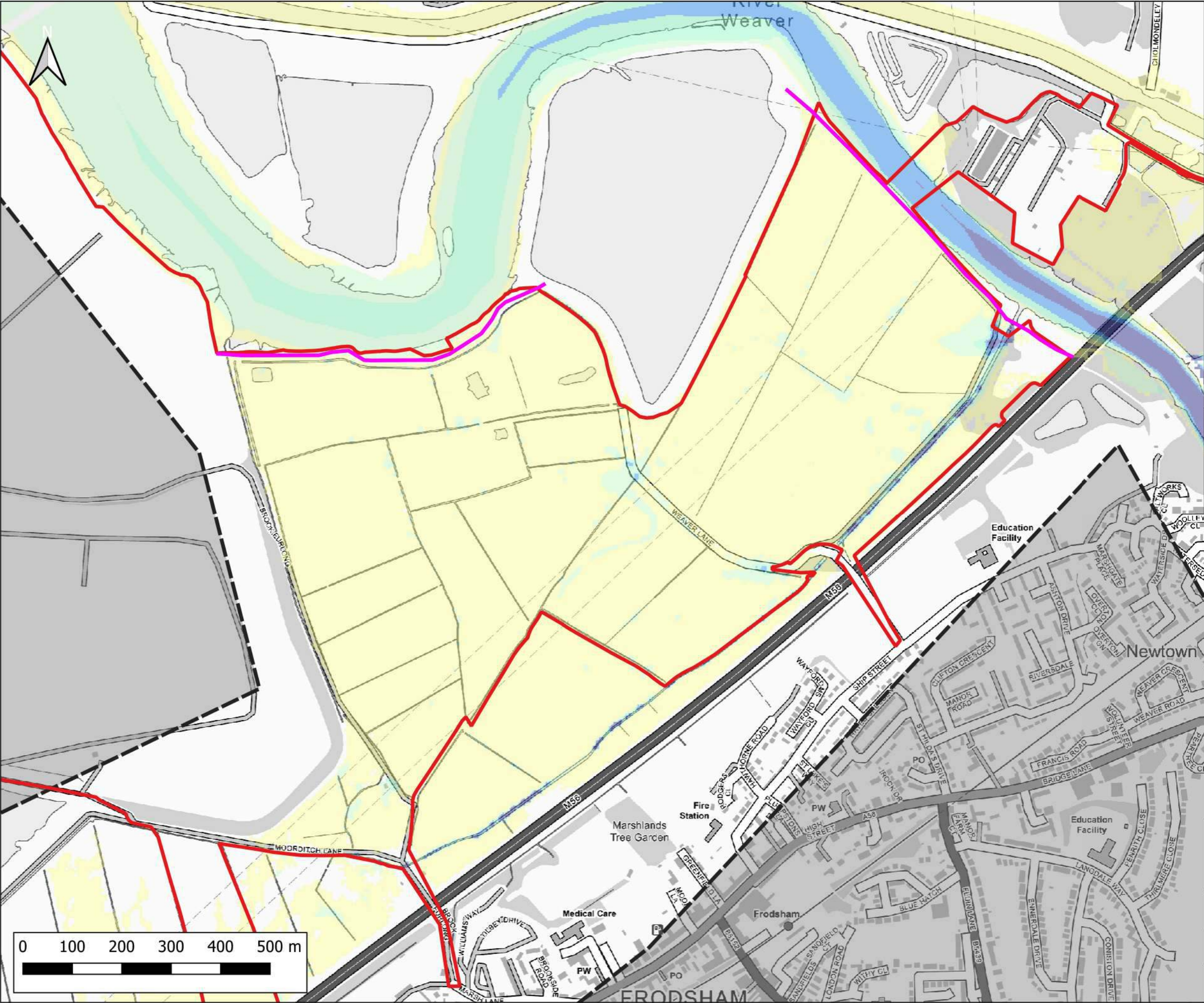
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Velocity
1% AEP Fluvial Event
MWHs Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:			REVISION:
14740_LW_DEF_DEV2_Q100_M(LOW)_ME(MHWS)_052_V_Max			-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

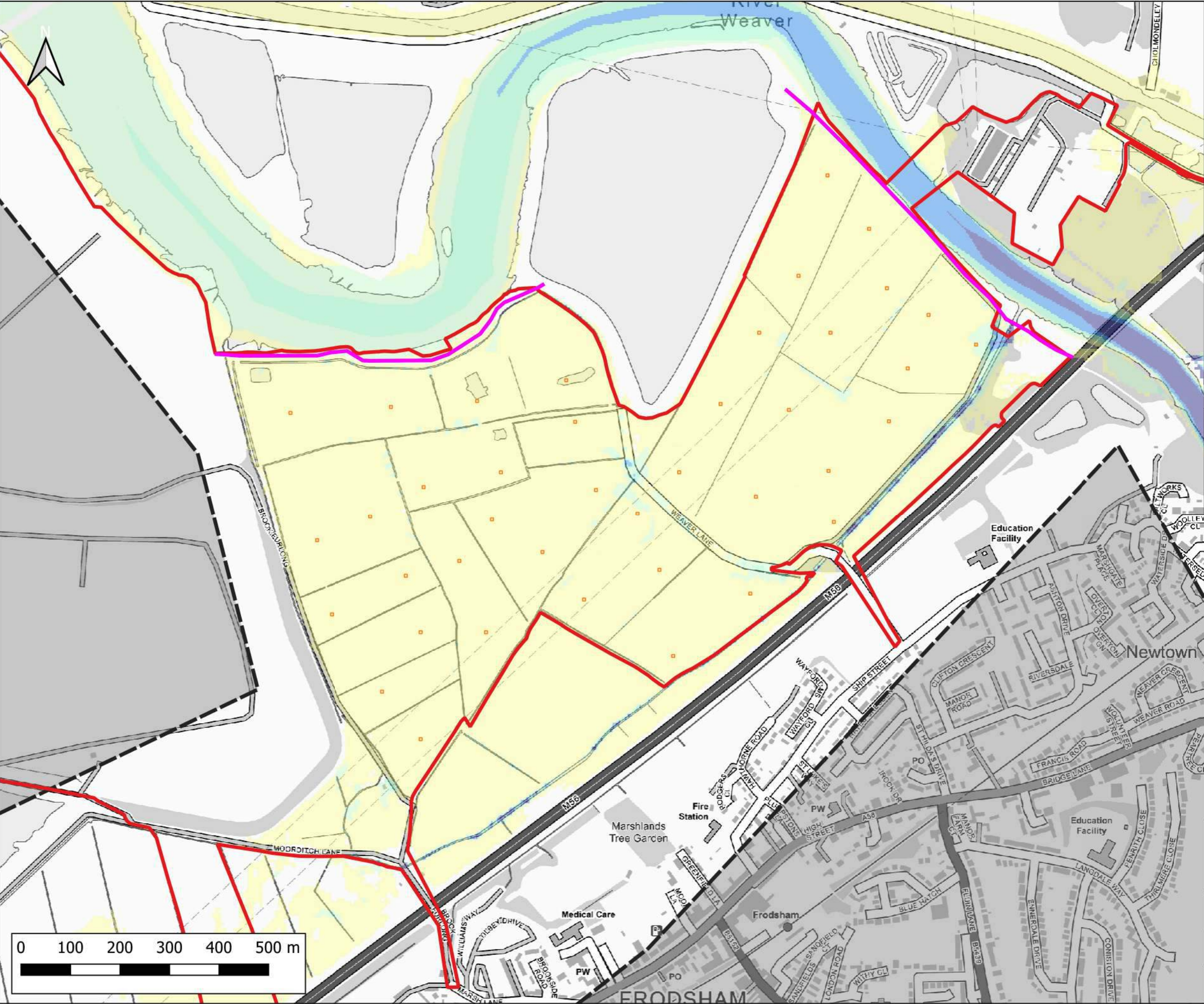
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q100CC67_M(LOW)_ME(MHWSCC)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

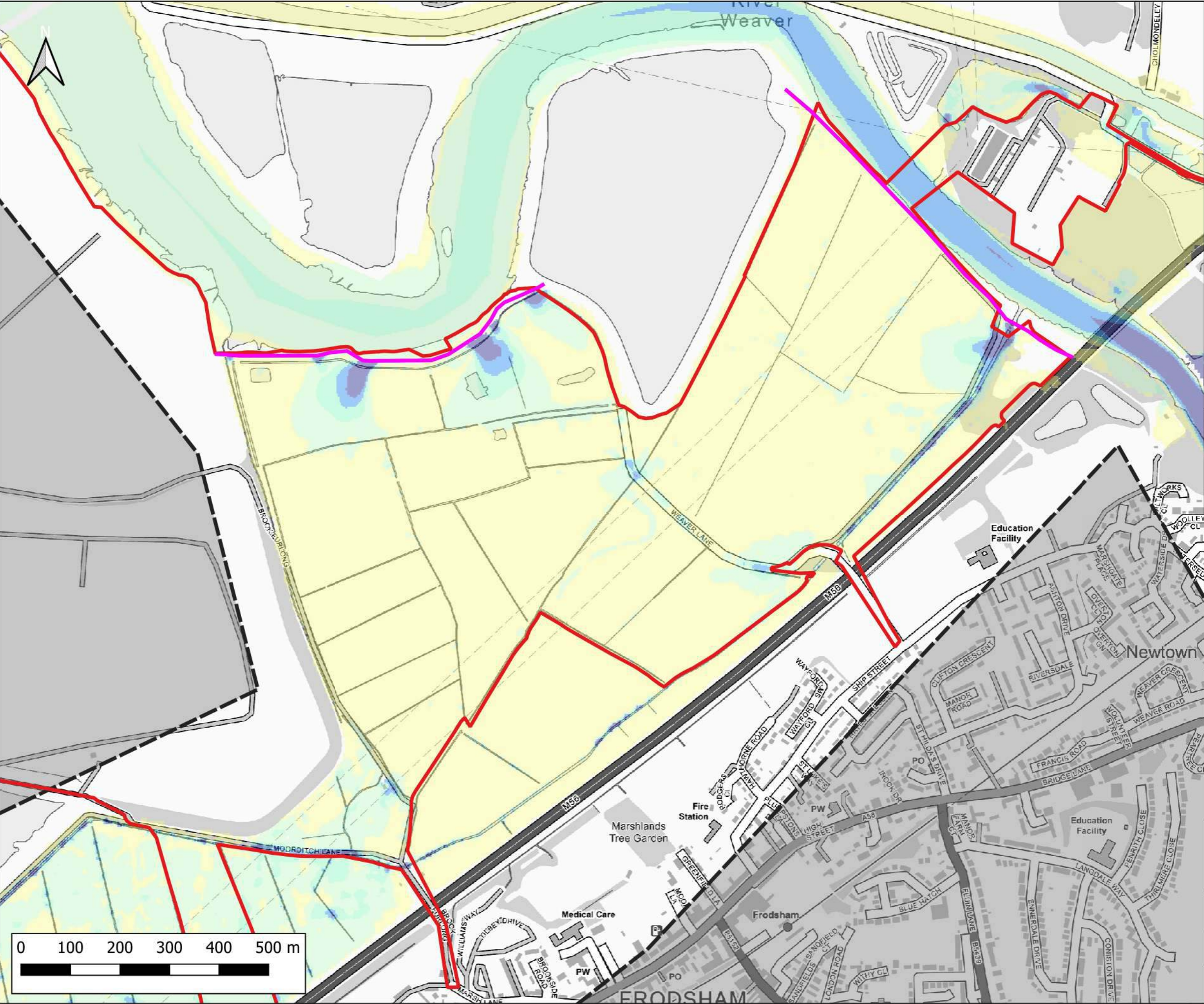
SCHEME:

Frodsham Solar

PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		FINAL		DATE:	30-04-2025
DRAWN:	CHANGED:	APPROVED:	PLOT SCALE AT A3:		
MH	AP	LS	1:7500		
PLOT NAME:					REVISION:
14740_LW_DEF_DEV2_Q100CC67_M(L)W_M(MHWS)CC_052_V_Max					-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

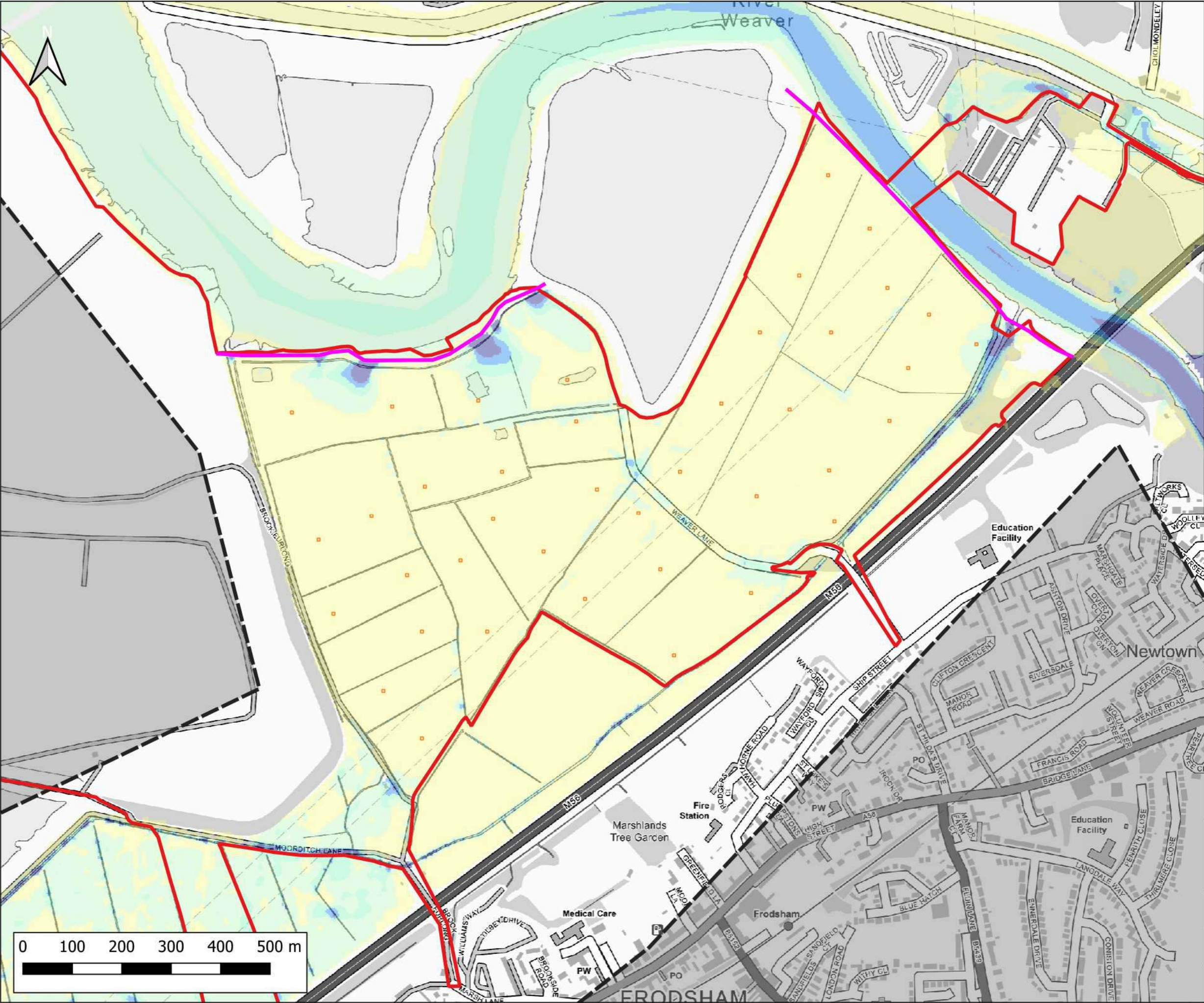
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Defended Existing Scenario (EXG)

PLOT STATUS:		FINAL		DATE:	30-04-2025
--------------	--	-------	--	-------	------------

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:	
MH	AP	LS	1:7500	

PLOT NAME:		REVISION:
14740_LW_DEF_EXG_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_V_Max		-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

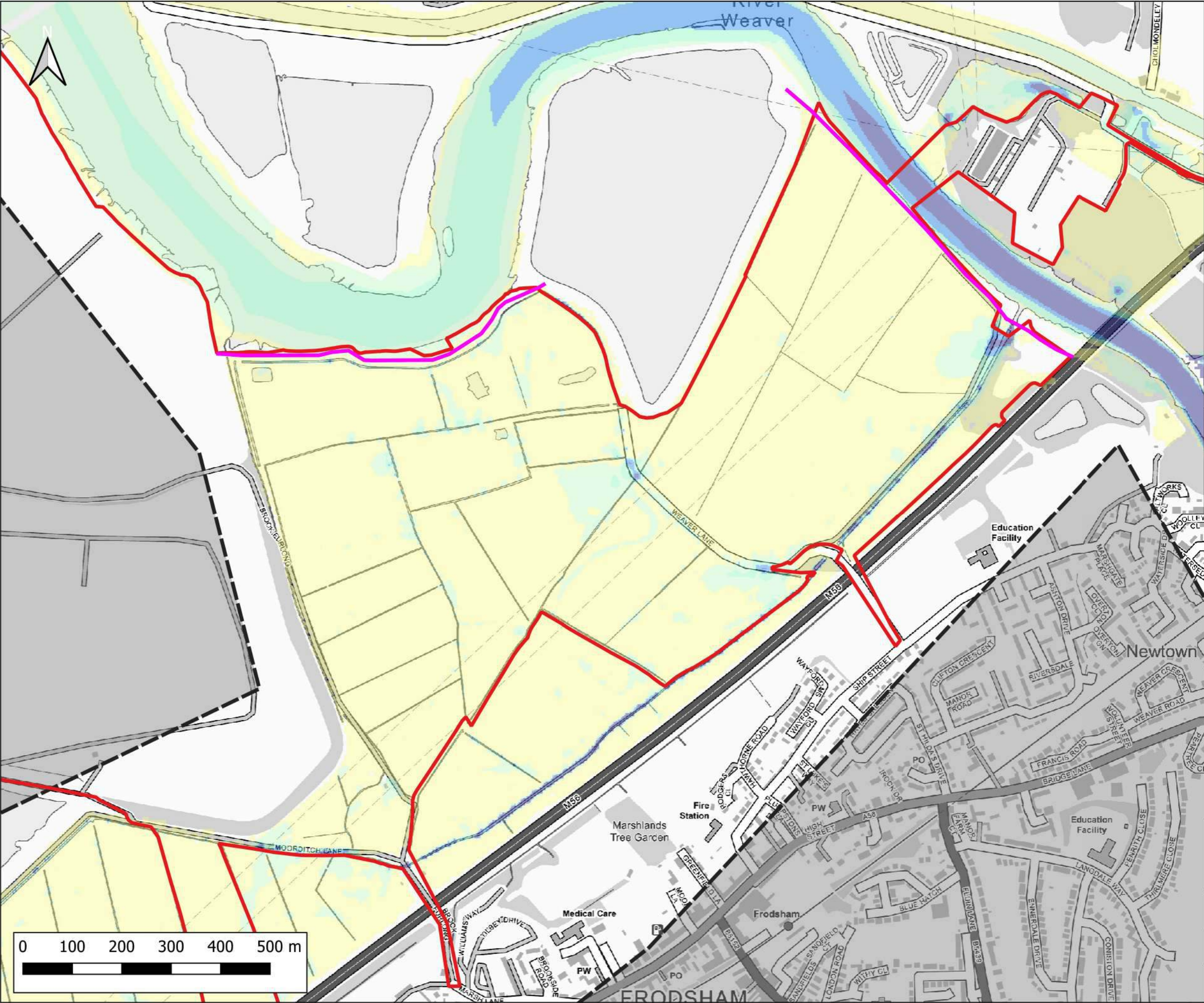
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_DEV2_Q100CC67_M(LOW)_NE(T200HC_2075UE)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

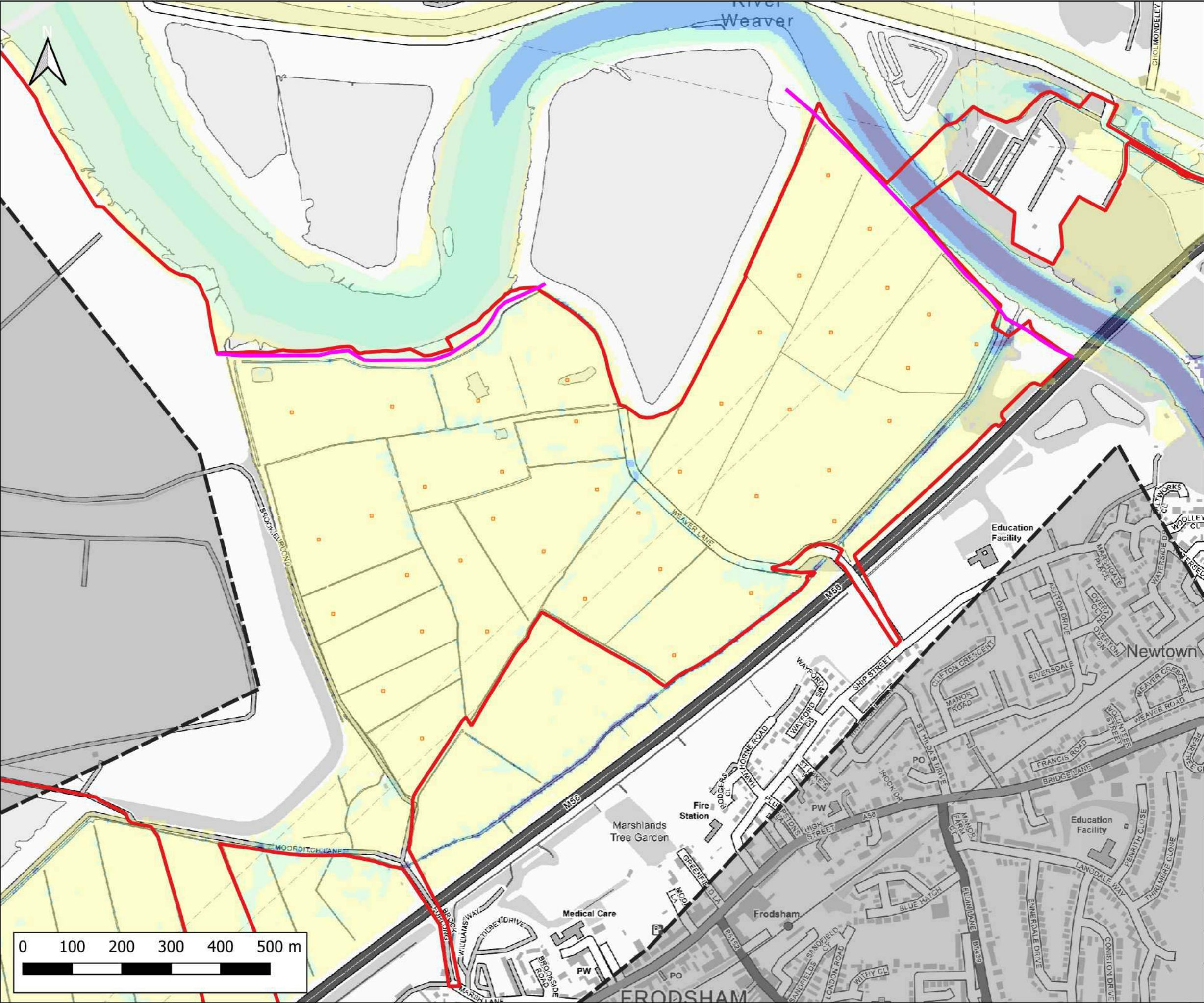
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q100CC106_M(L0W)_ME(MHWS)CC_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

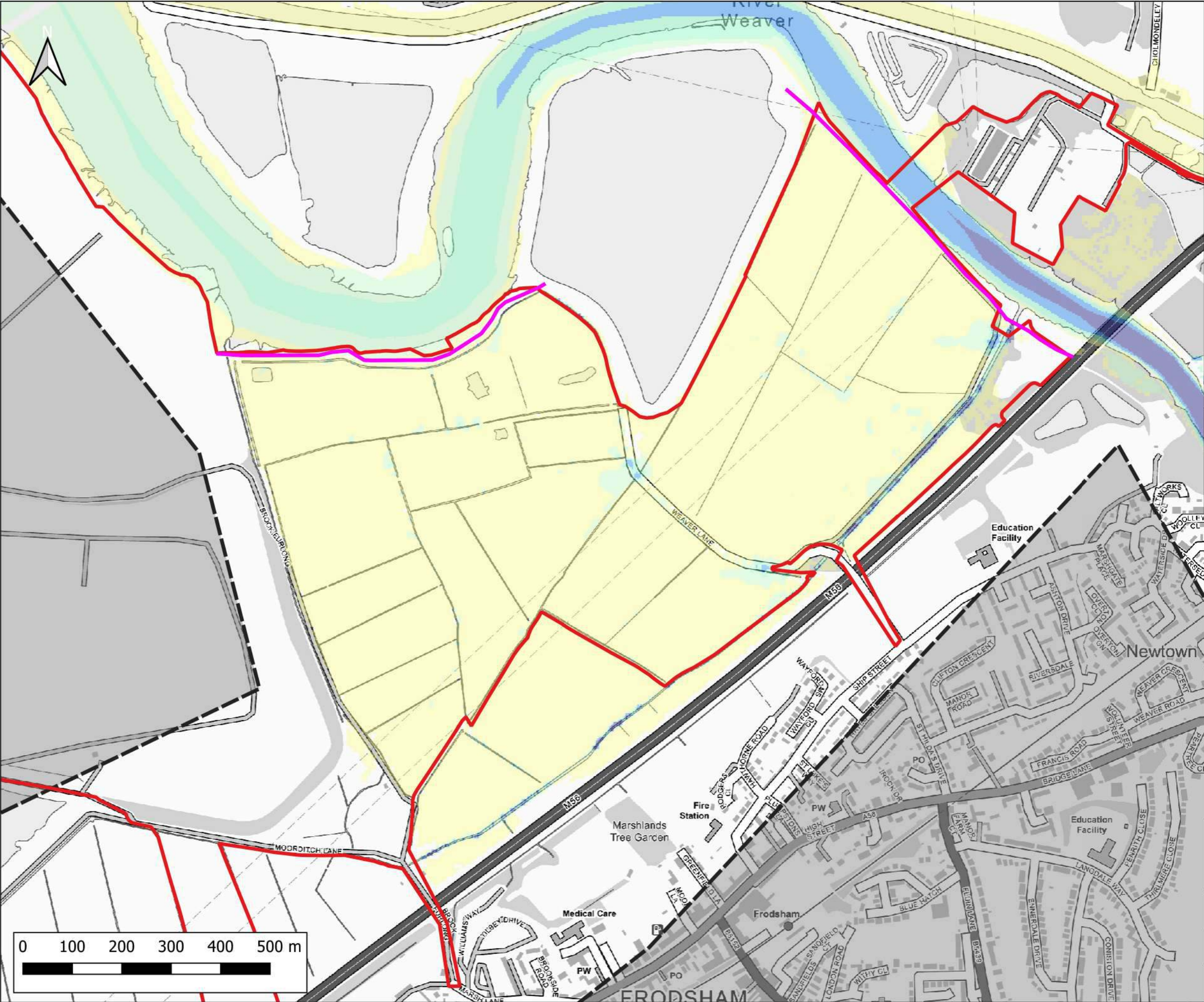
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14749_LW_DEF_DEV2_Q100CC106_M(LOW)_ME(MHWSCC)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

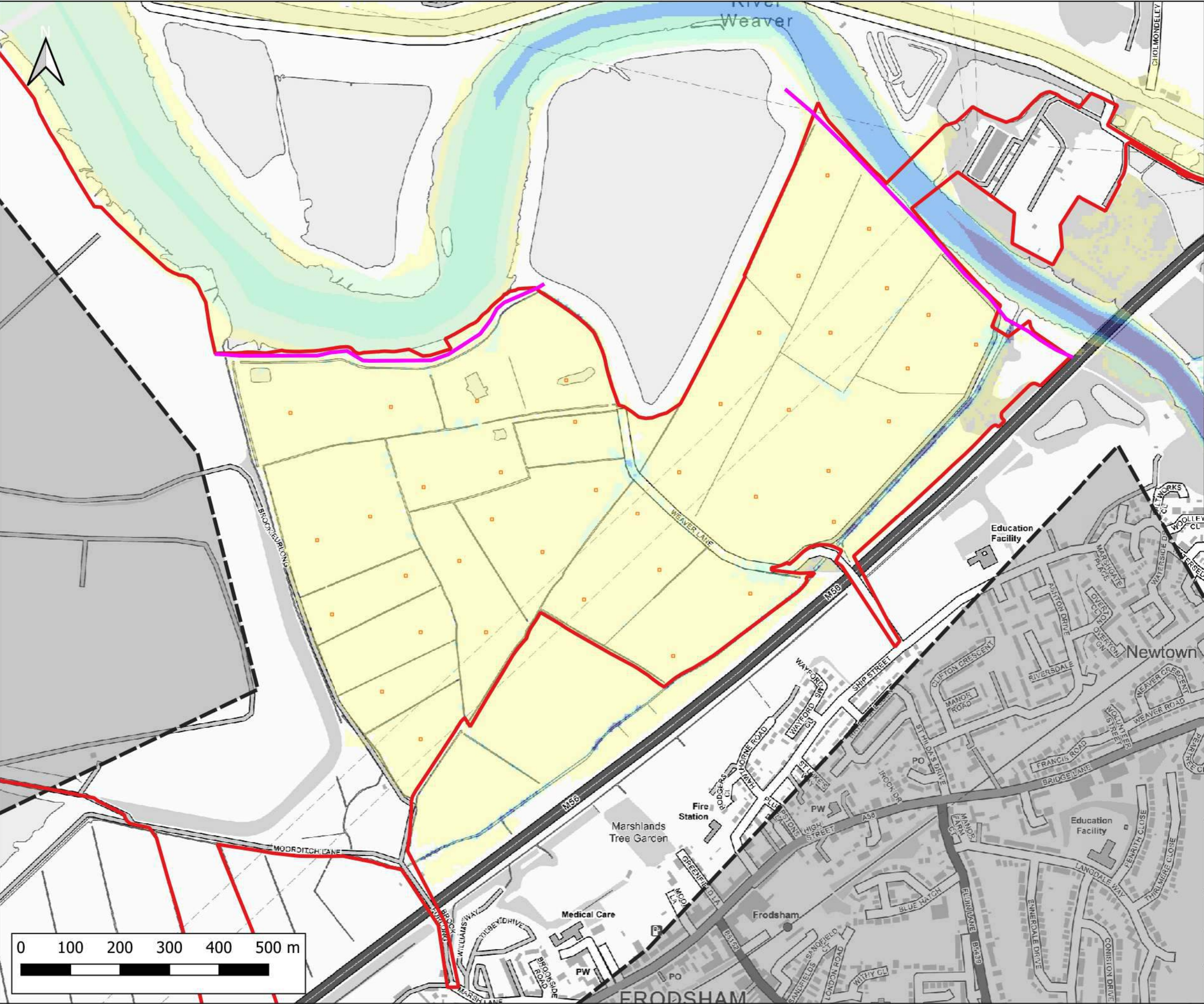
PLOT TITLE:

River Weaver Maximum Flood Velocity
0.1% AEP Fluvial Event
MWHs Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q1000_M(LOW)_ME(MHWS)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

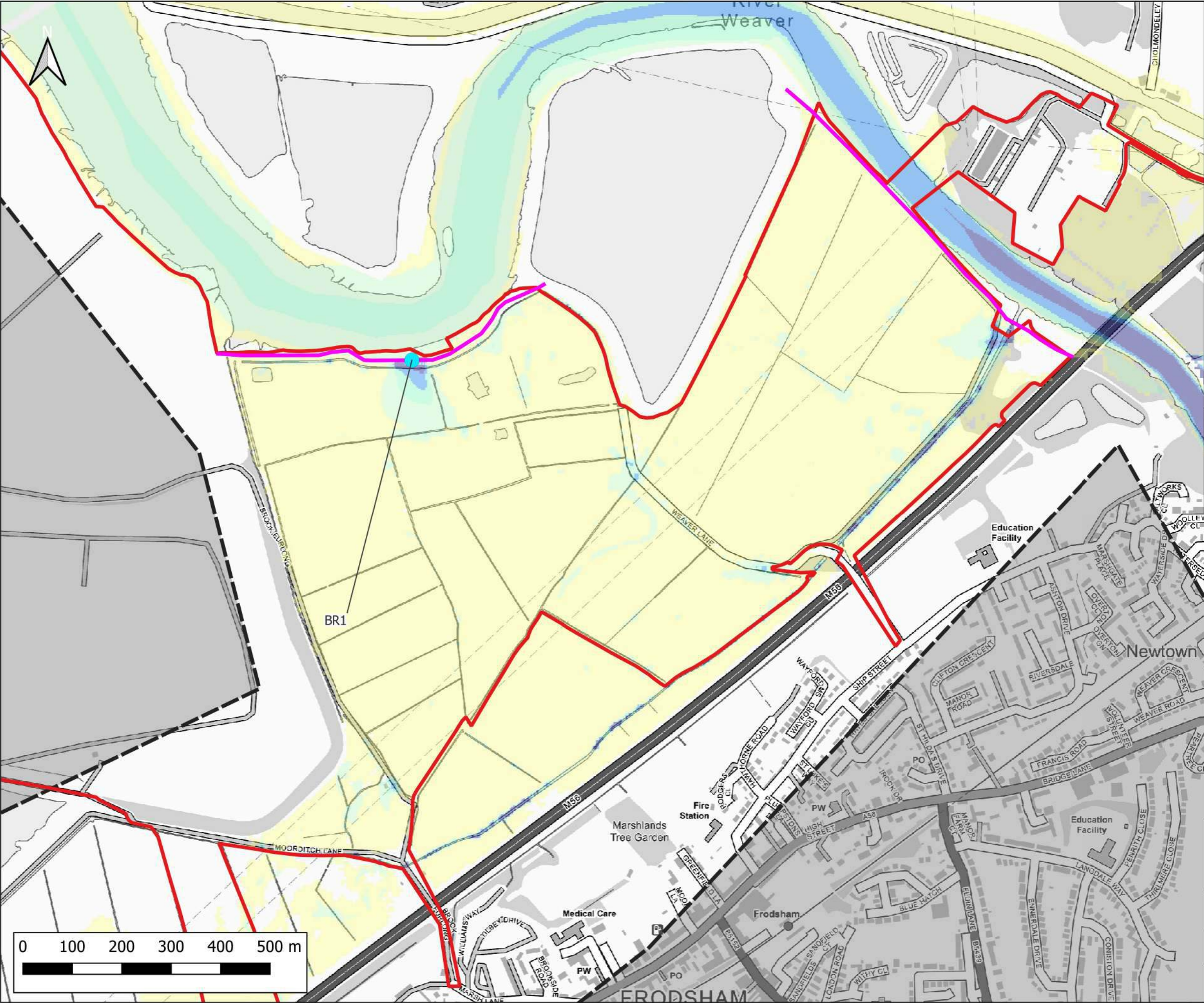
CLIENT:
 Frodsham Solar Ltd

SCHEME:
 Frodsham Solar

PLOT TITLE:
 River Weaver Maximum Flood Velocity
 0.1% AEP Fluvial Event
 MWS Tidal Event
 Defended Proposed Development Scenario (DEV)

PLOT STATUS: FINAL		DATE: 30-04-2025
DRAWN: MH	CHECKED: AP	APPROVED: LS
PLOT NAME: 14740_LW_DEV2_Q1000_M(LOW)_ME(MHWS)_052_V_Max		REVISION: -

PLOT SCALE AT A3:
 1:7500



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

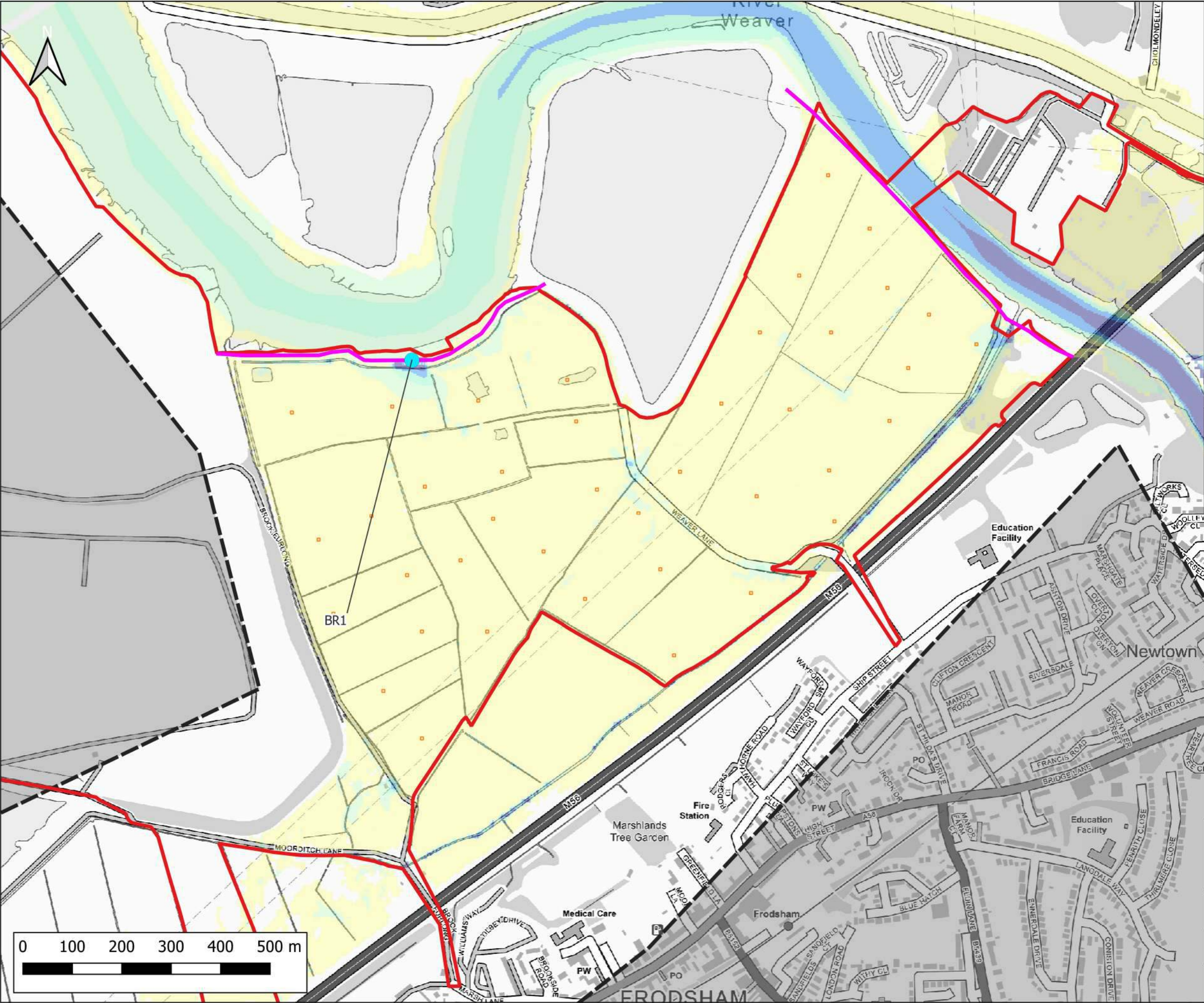
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_EXG_Q100CC67_M(LOW)_ME(MHWSCC)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

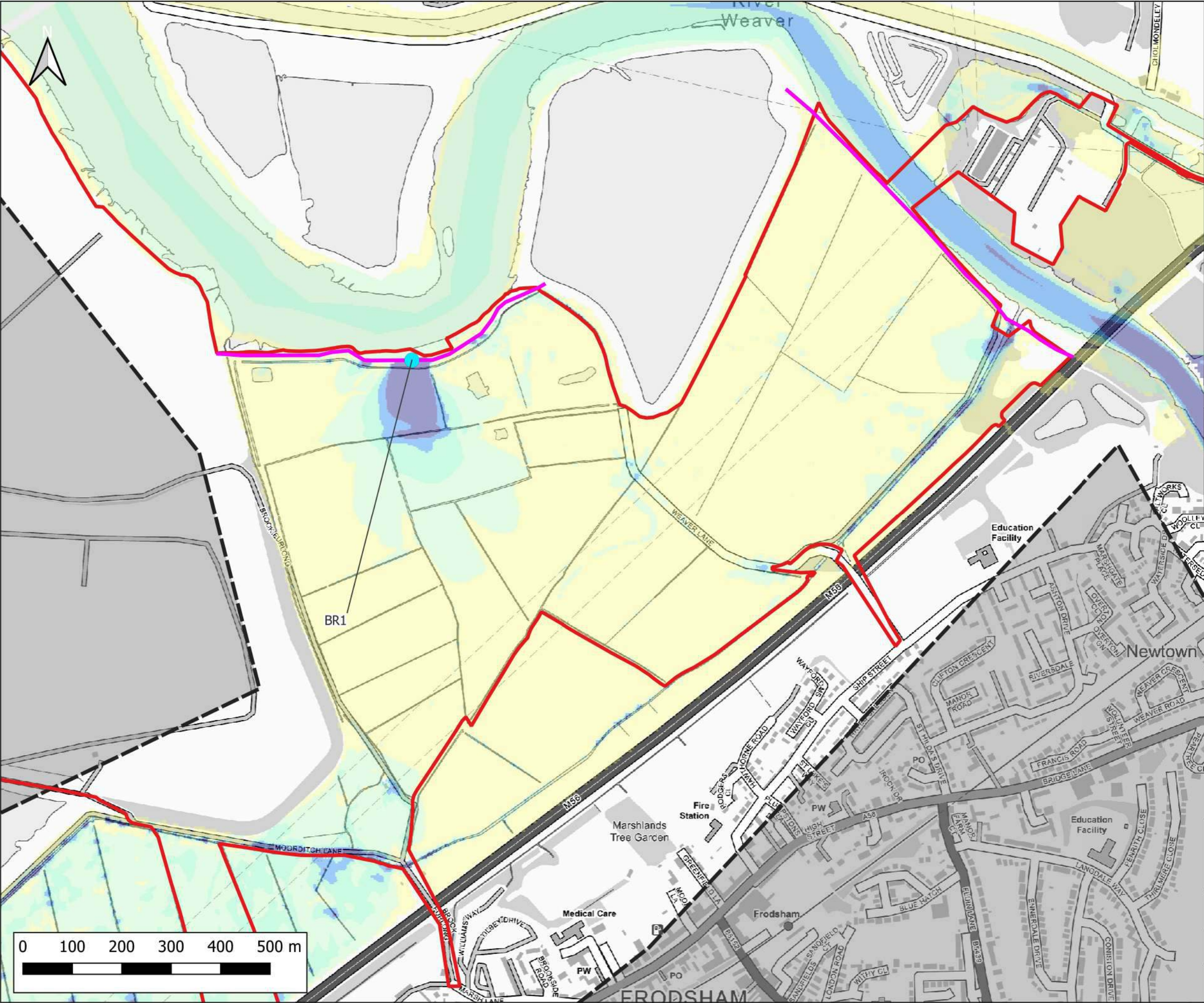
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_DEV2_Q100CC67_M(L)WV_ME(MHWS)052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

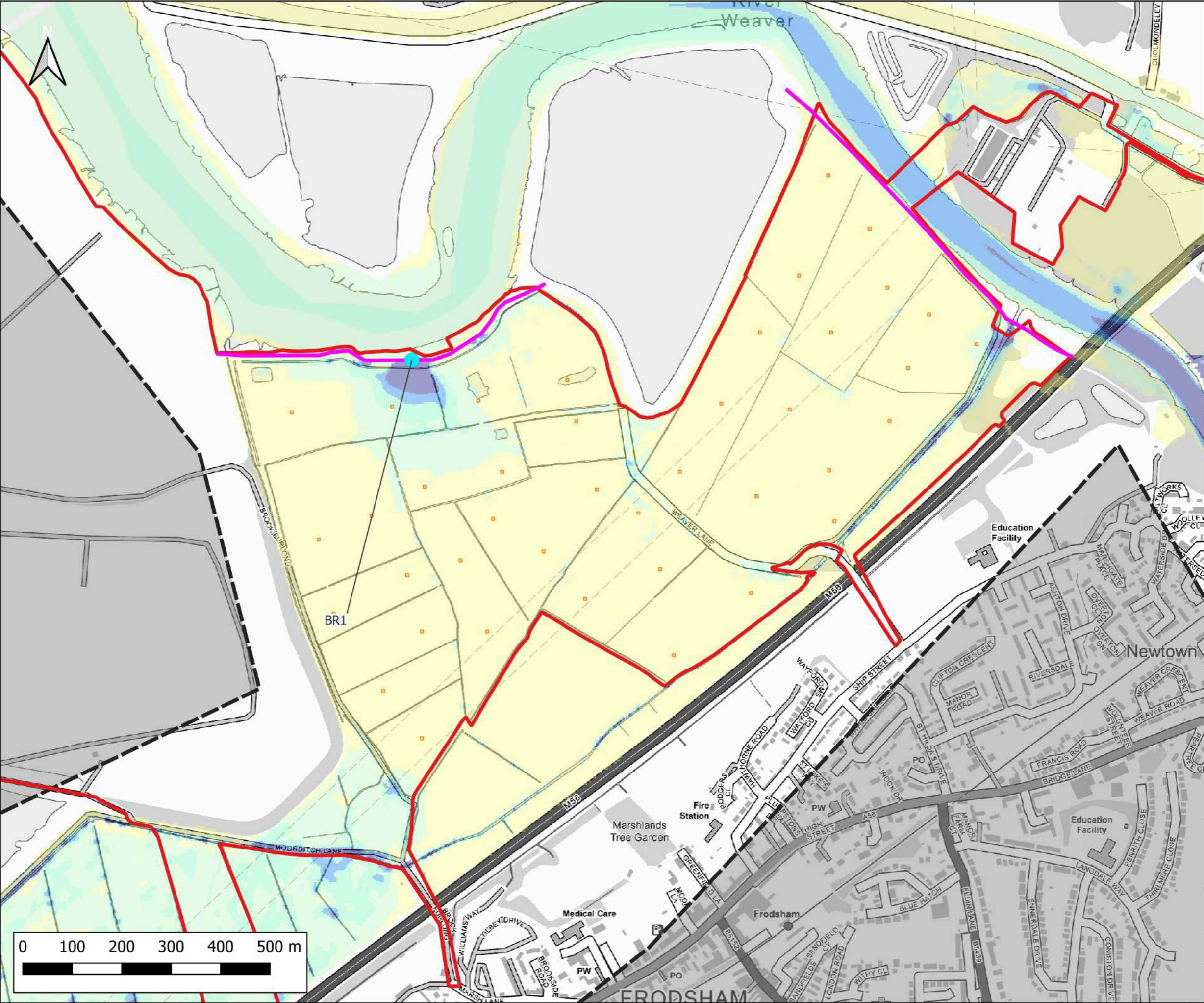
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 1 Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_EXG_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

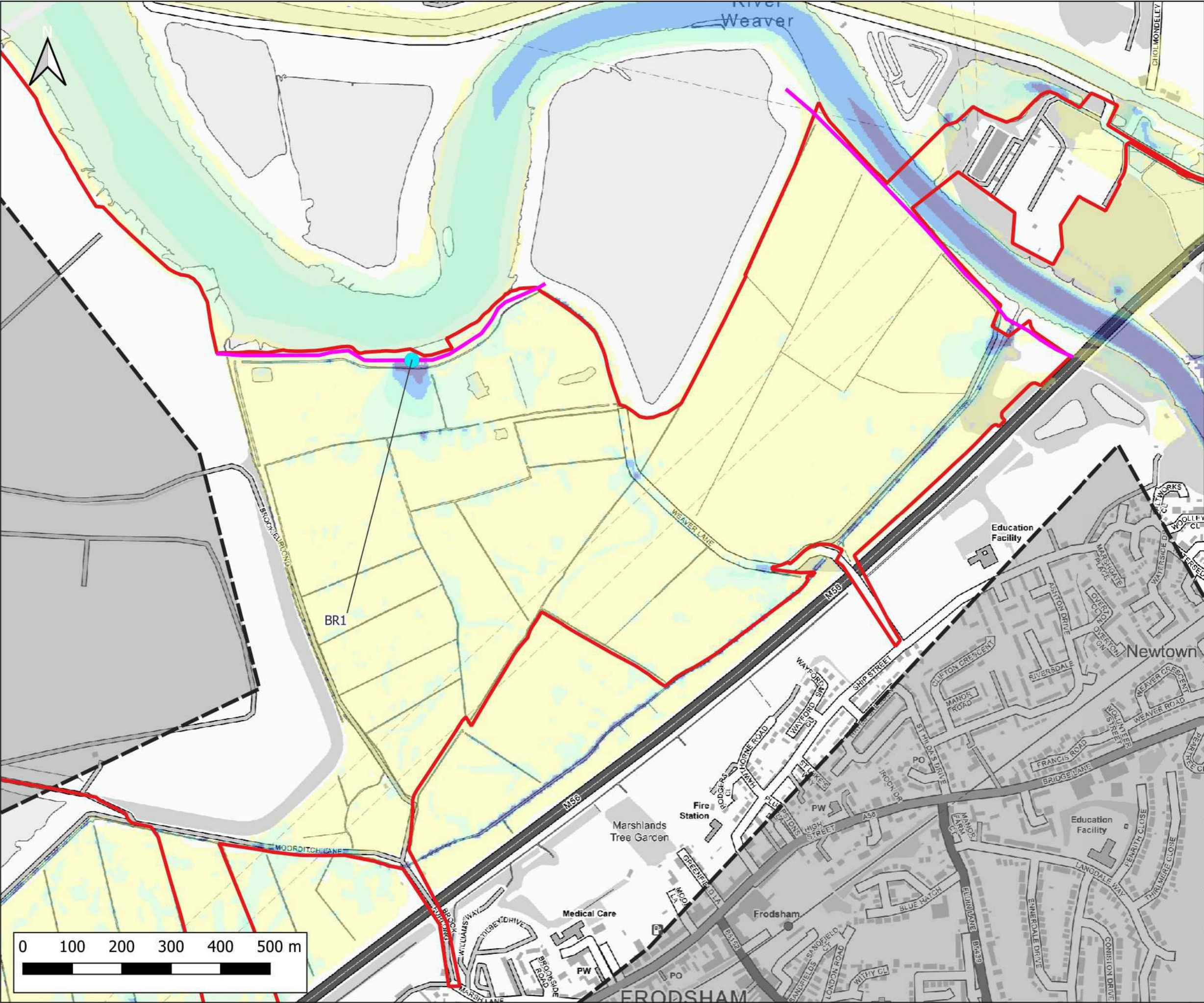
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 1 Proposed Development Scenario (DEV)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_DEV2_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

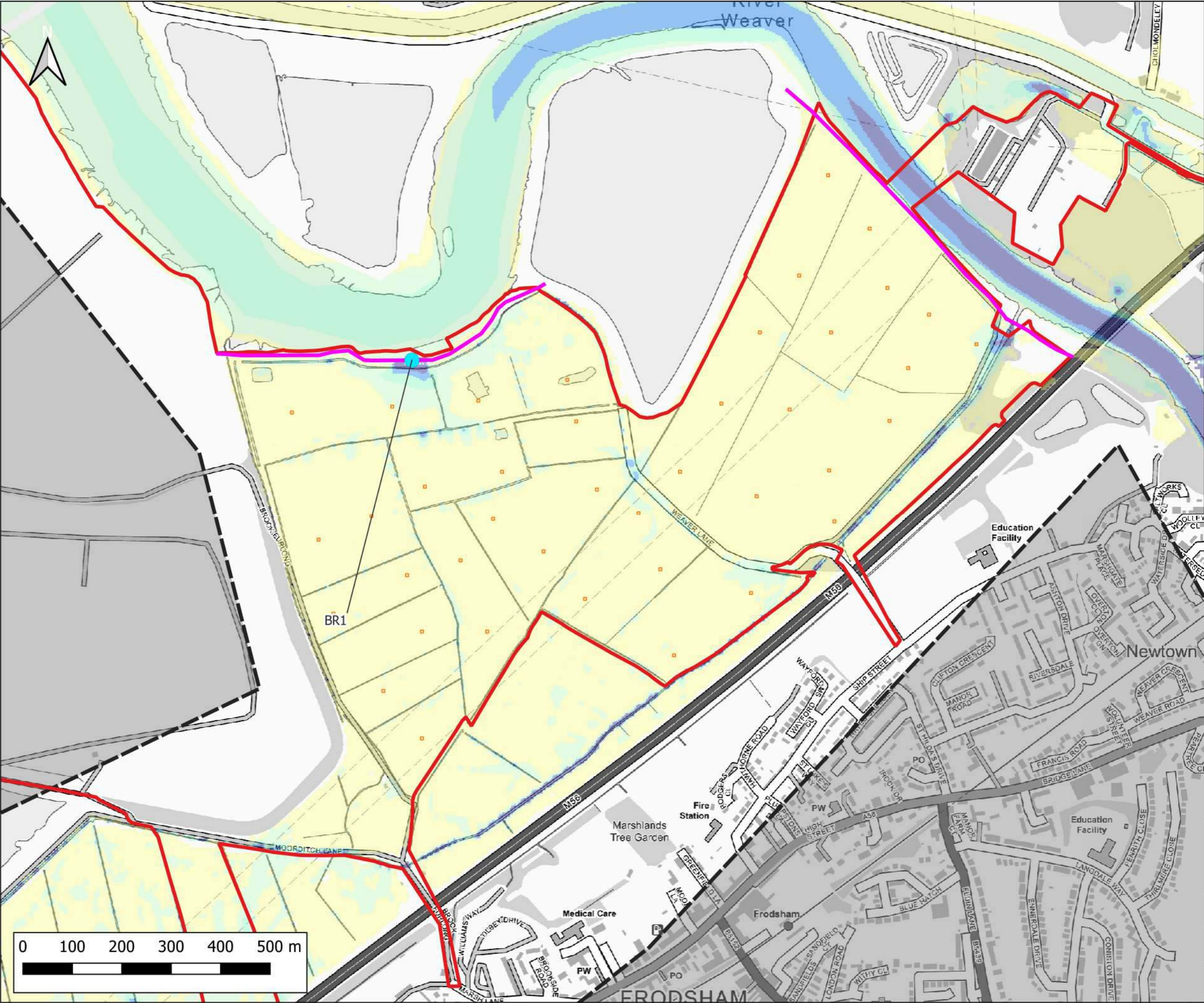
waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Velocity
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Existing Scenario (EXG)

PLOT STATUS:		FINAL		DATE:	30-04-2025
DRAWN:	CHANGED:	APPROVED:	PLOT SCALE AT A3:		
MH	AP	LS	1:7500		
PLOT NAME:					REVISION:
14740_LW_BR1_EXG_Q100CC106_M(LOW)_ME(MHWS)CC_052_V_Max					-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 1 Location (BR1)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

Frodsham Solar

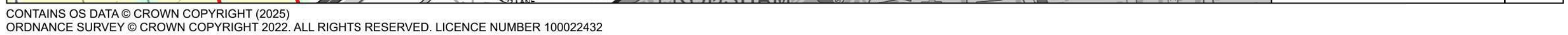
PLOT TITLE:

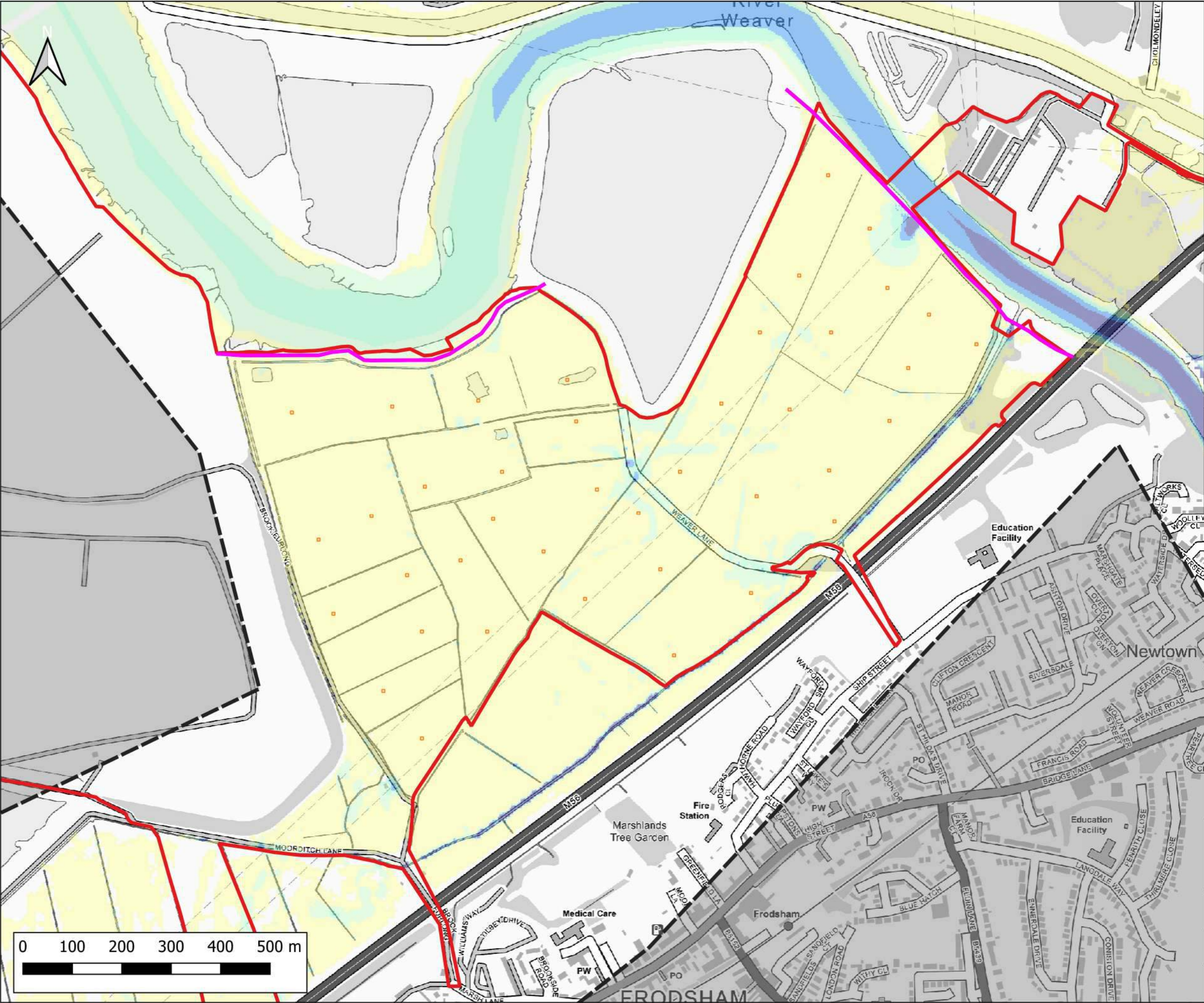
River Weaver Maximum Flood Velocity
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14749_LW_BR1_DEV2_Q100CC106_M(LOW)_ME(MHWSCC)_052_V_Max	-





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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

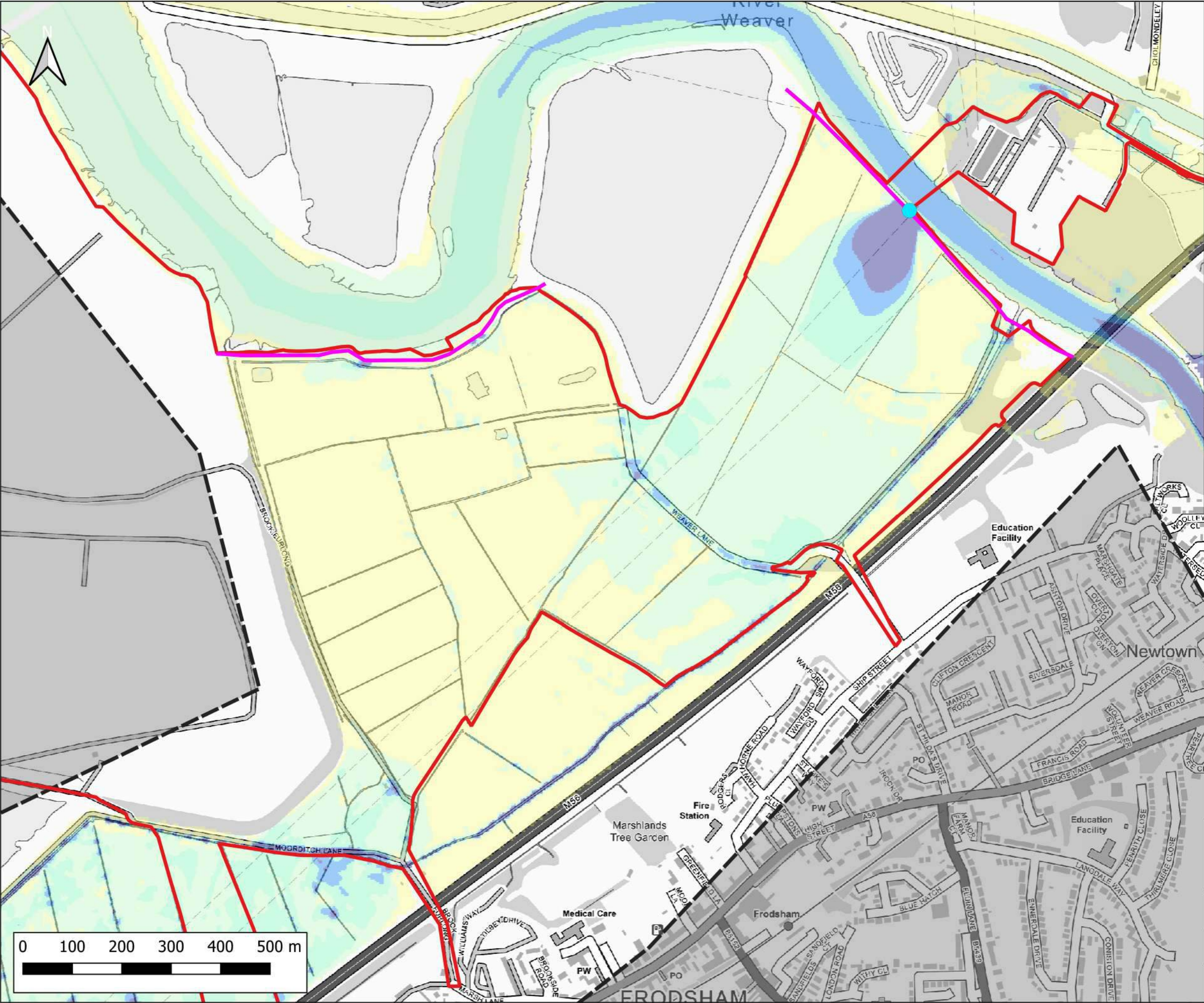
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_DEV2_Q100CC67_M(L)W_ME(MHWS)CC_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 2 Location (BR2)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco

www.waterco.co.uk

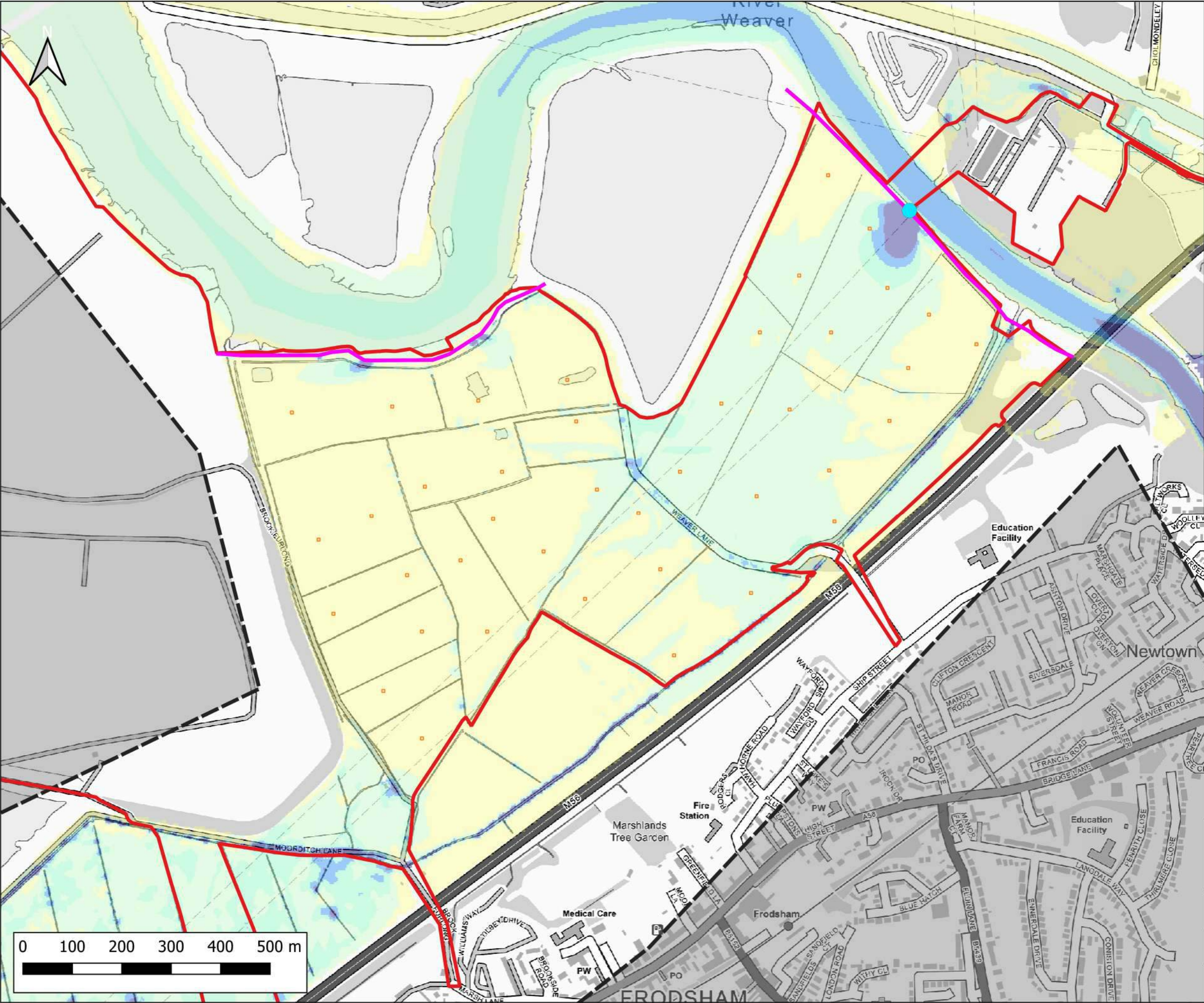
SCHEME:

Frodsham Solar

PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 2 Existing Scenario (EXG)

PLOT STATUS:		FINAL		DATE:	30-04-2025
DRAWN:	CHKD:	APPROVED:	PLOT SCALE AT A3:		
MH	AP	LS	1:7500		
PLOT NAME:					REVISION:
14740_LW_BR2_EXG_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_V_Max					-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

Weston
3
12
East
FRODSHAM

CLIENT:
 Frodsham Solar Ltd

waterco
 www.waterco.co.uk

SCHEME:
 Frodsham Solar

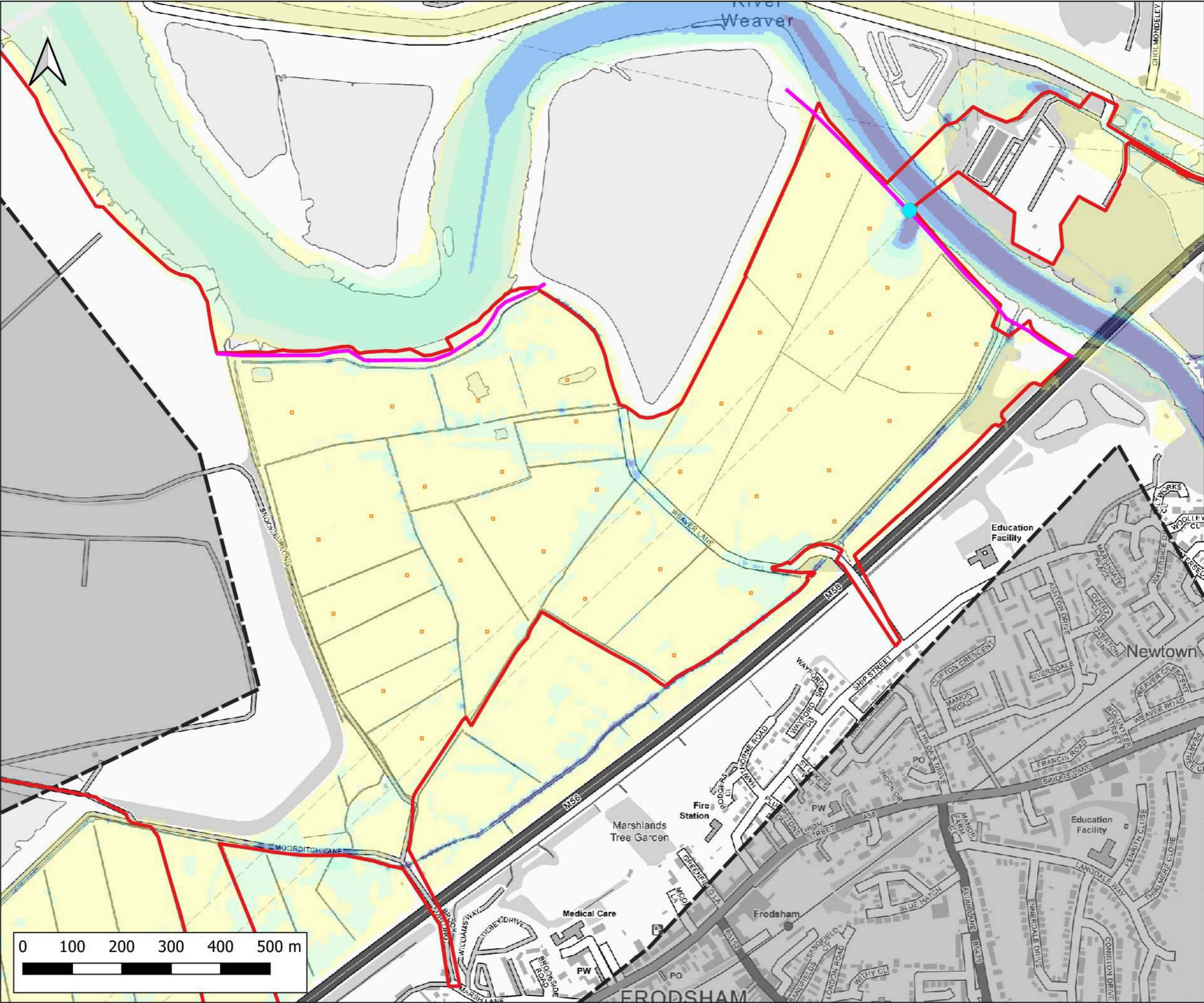
PLOT TITLE:
 River Weaver Maximum Flood Velocity
 1% AEP +67% CC Fluvial Event
 0.5% AEP Tidal Event (2075)
 Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:
 FINAL

DATE:
 30-04-2025

DRAWN: MH **CHECKED:** AP **APPROVED:** LS **PLOT SCALE AT A3:** 1:7500

PLOT NAME: 14740_LW_BR2_DEV2_Q100CC67_M(LOW)_ME(T200HC_2075UE)_052_V_Max **REVISION:** -



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Velocity (m/s)

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

Frodsham Solar Ltd

waterco

www.waterco.co.uk

SCHEME:

Frodsham Solar

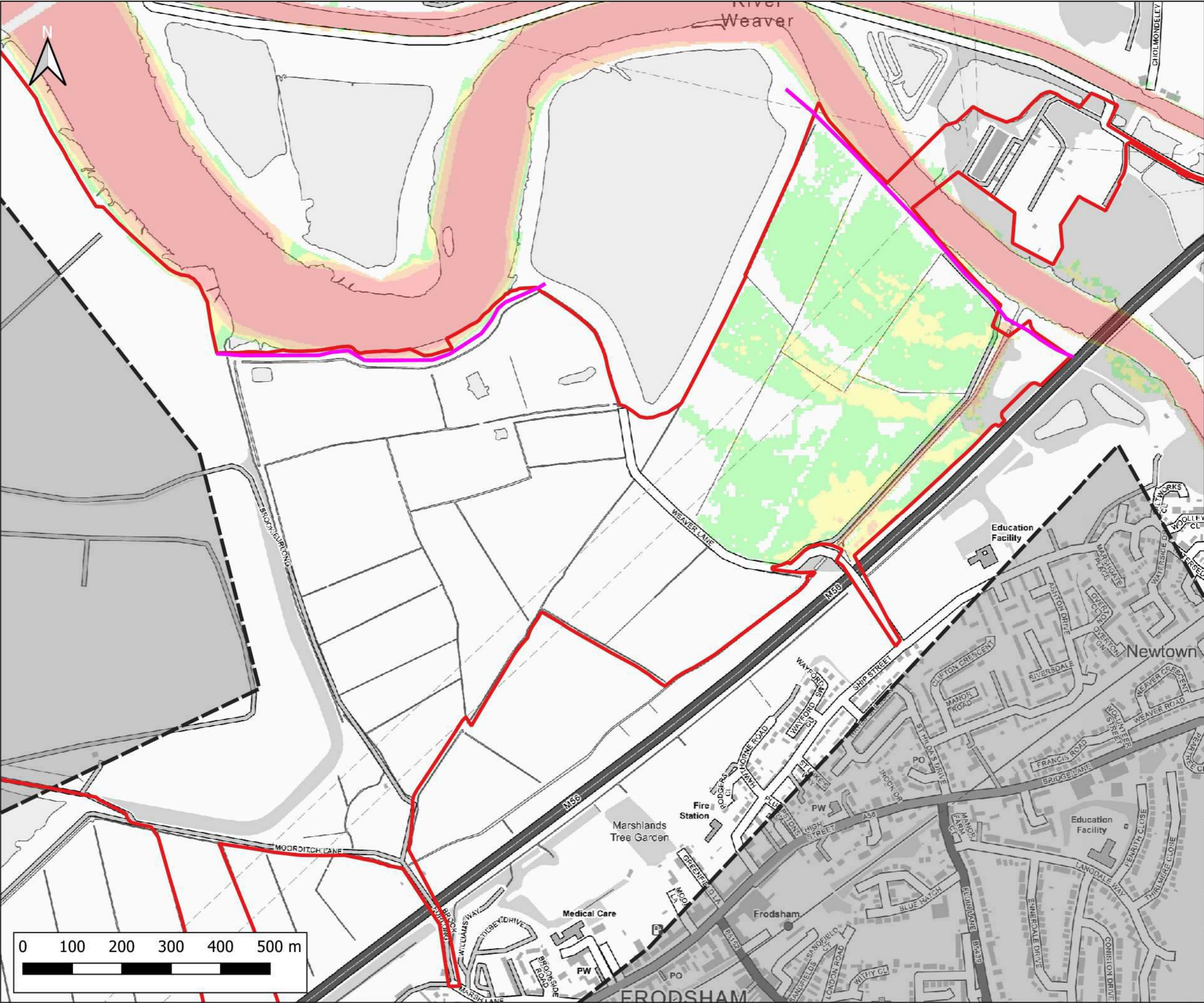
PLOT TITLE:

River Weaver Maximum Flood Velocity
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14749_LW_BR2_DEV2_Q100CC106_M(LOW)_ME(MHWSCC)_052_V_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

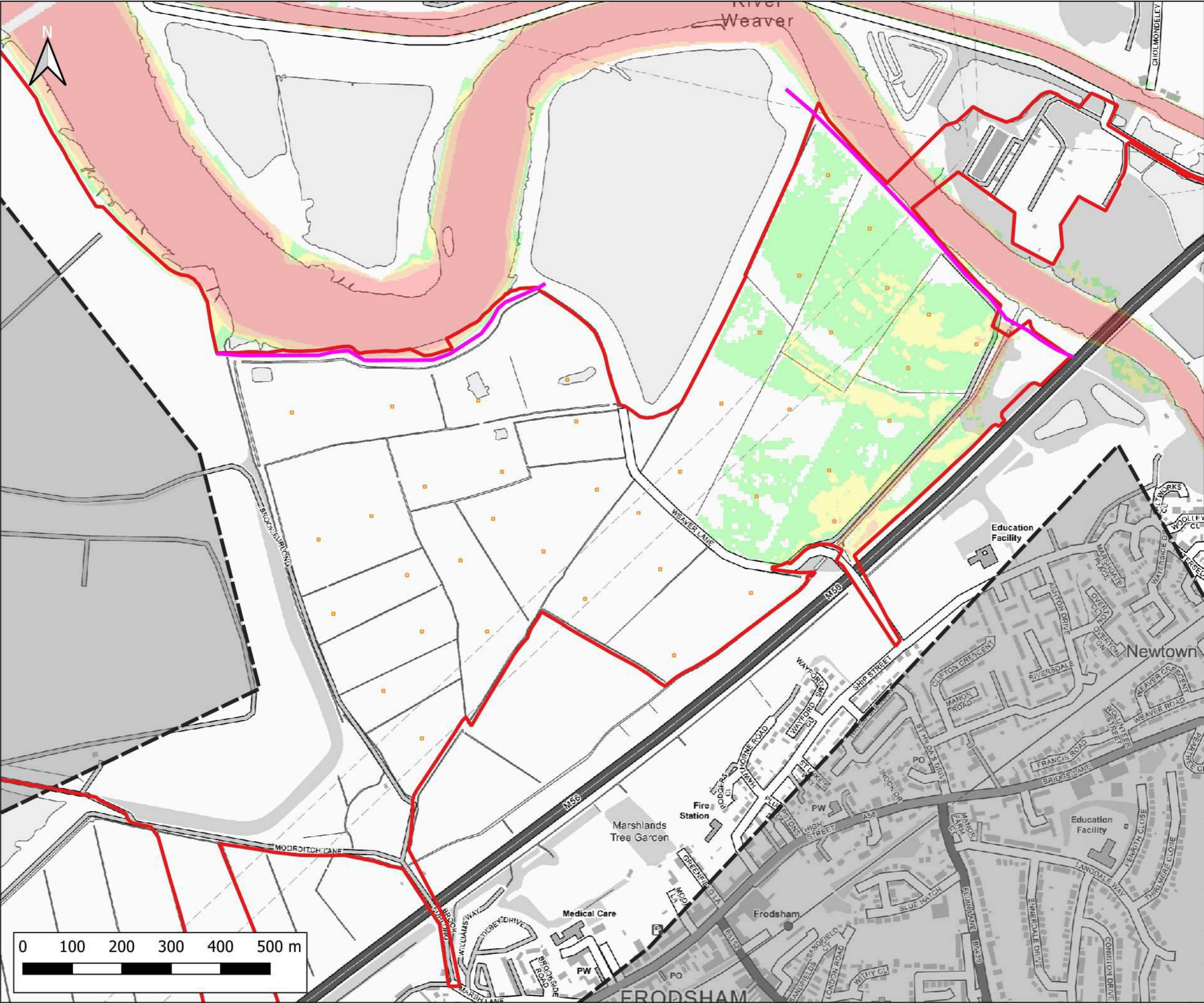
SCHEME:

Frodsham Solar

PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP Fluvial Event
MWHs Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:		FINAL		DATE:	30-04-2025
DRAWN:	CHANGED:	APPROVED:	PLOT SCALE AT A3:		
MH	AP	LS	1:7500		
PLOT NAME:					REVISION:
14740_LW_DEF_EXG_Q100_M(LOW)_ME(MHWS)_052_ZUK2_Max					-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

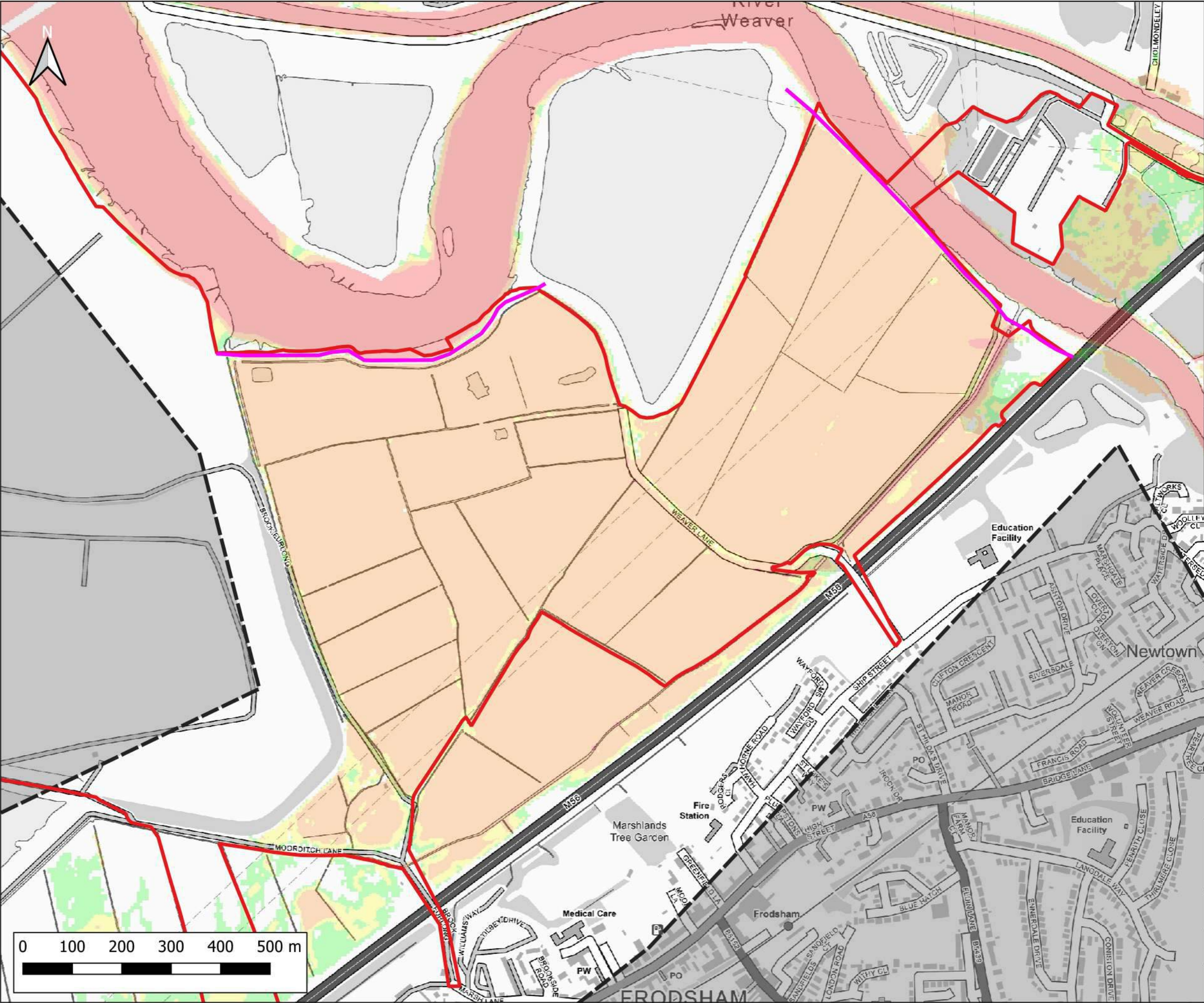
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP Fluvial Event
MWHS Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_DEV2_Q100_M(LOW)_R(MHWS)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

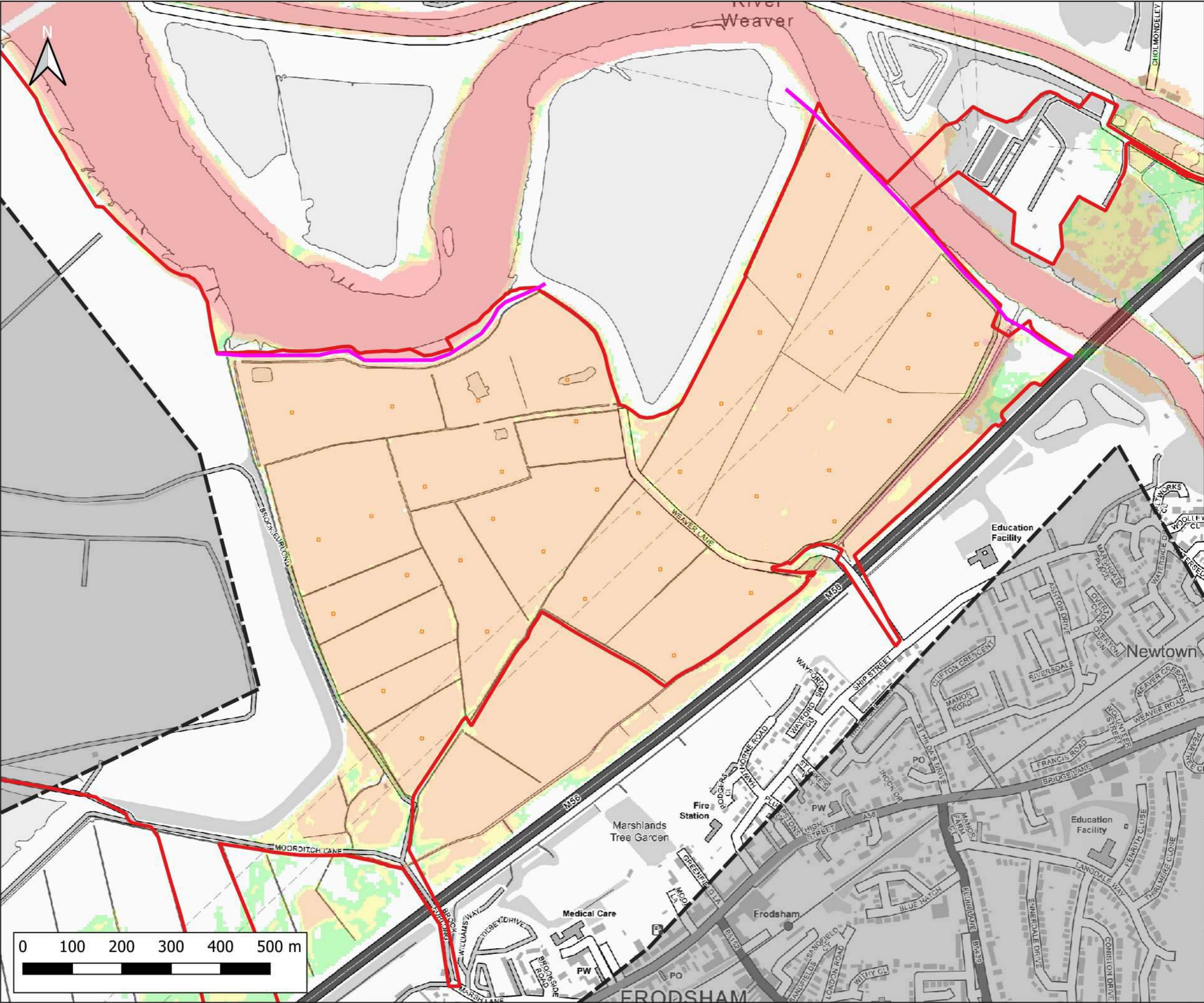
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q100CC67_M(Low)_ME(MHWSO)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

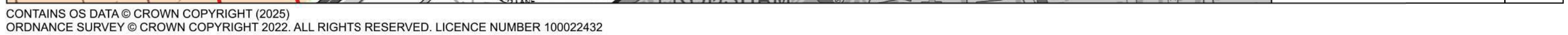
PLOT TITLE:

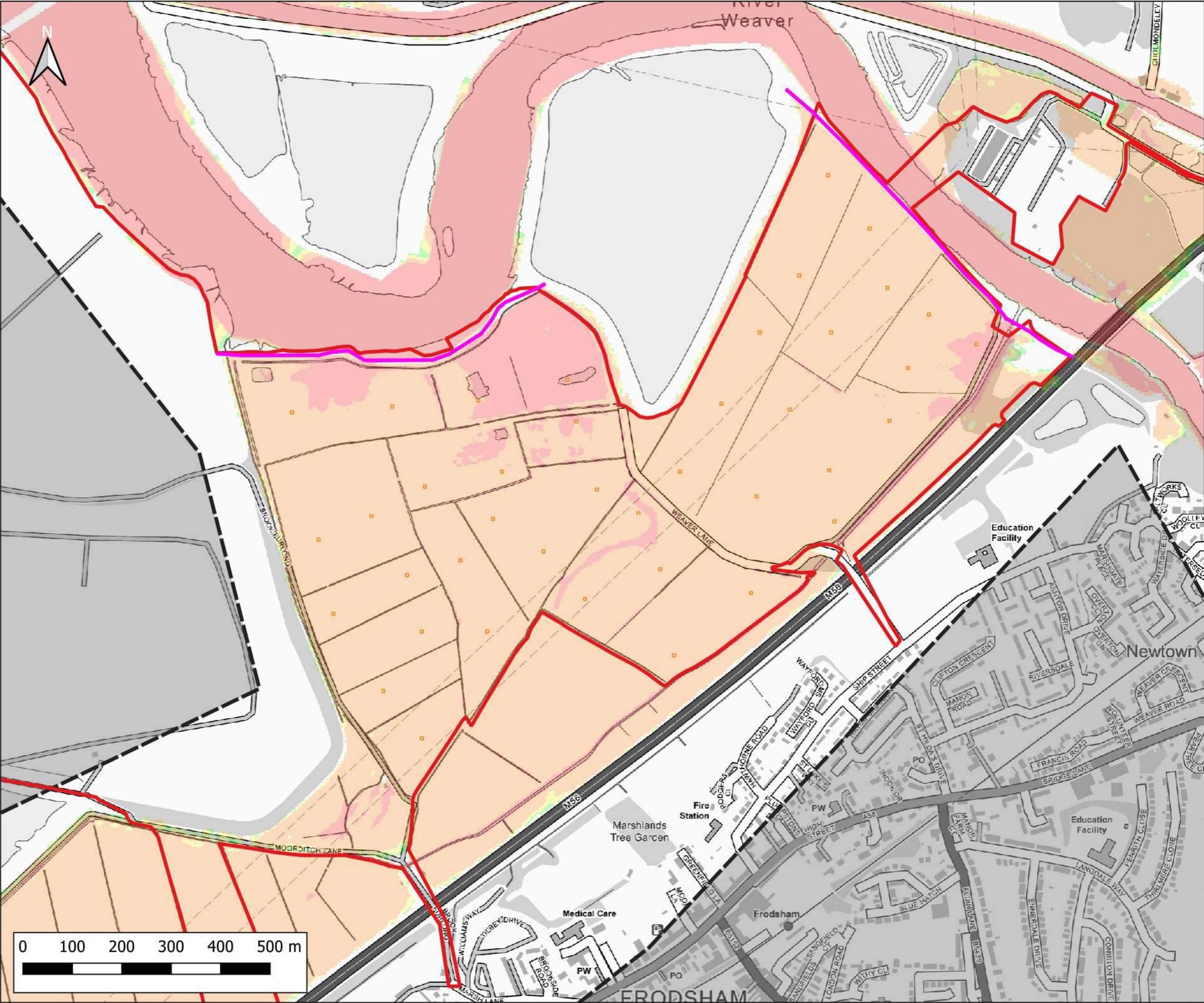
River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_DEV2_Q100CC67_M(LOW)_ME(MHWS)_052_ZUK2_Max	-





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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

Weston
3
12
River Weaver
East
FRODSHAM

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

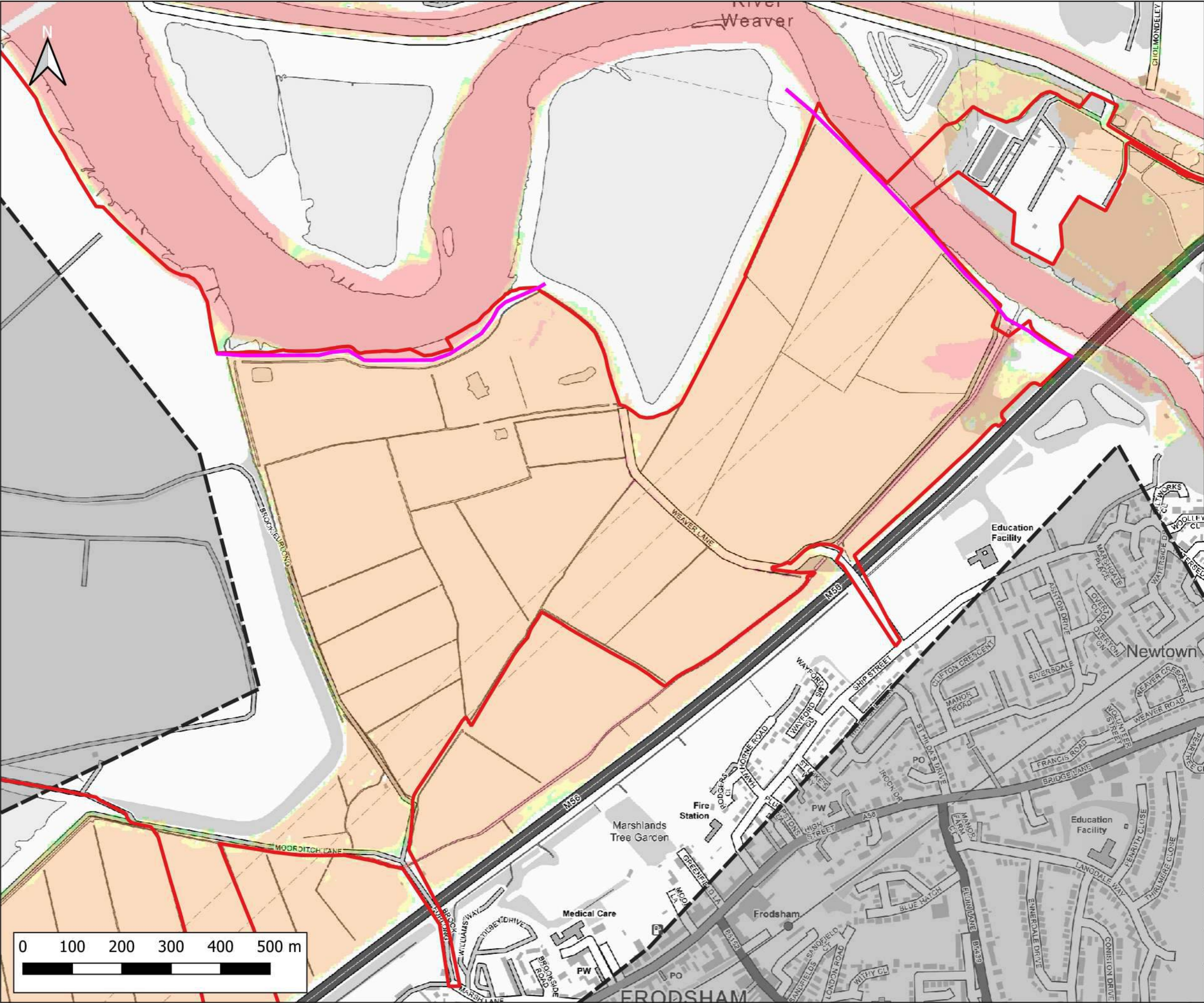
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Defended Proposed Development Scenario (DEV)

PLOT STATUS: FINAL DATE: 30-04-2025

DRAWN: MH CHECKED: AP APPROVED: LS PLOT SCALE AT A3: 1:7500

PLOT NAME: 14740_LW_DEF_DEV2_Q100CC67_M(LW)_ME(T200HC_2075UE)_052_ZUK2_Max REVISION: -



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

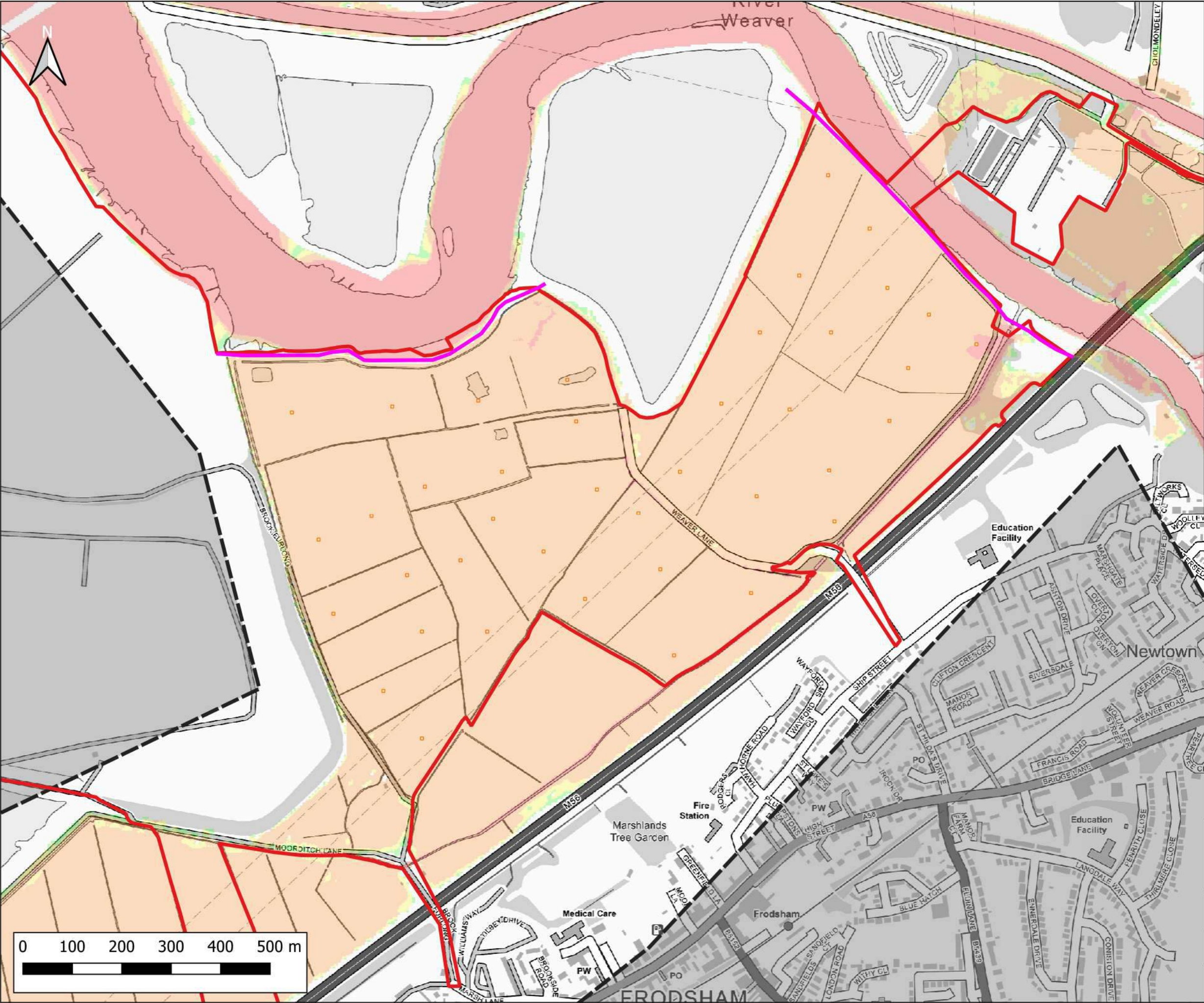
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q100CC106_M(LOW)_ME(MHWSO)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

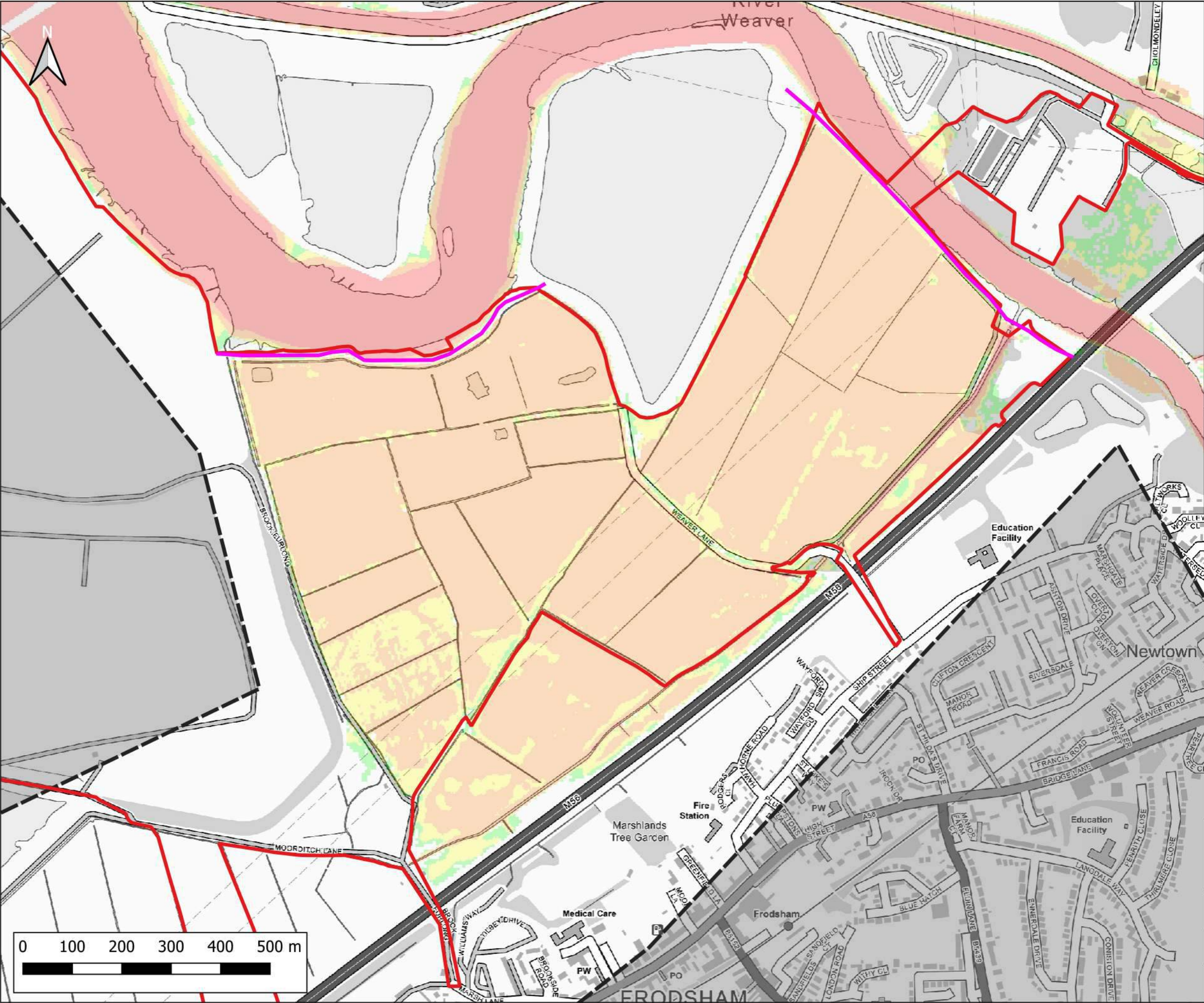
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_DEV2_Q100CC106_M(LOW)_NE(MHWS)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

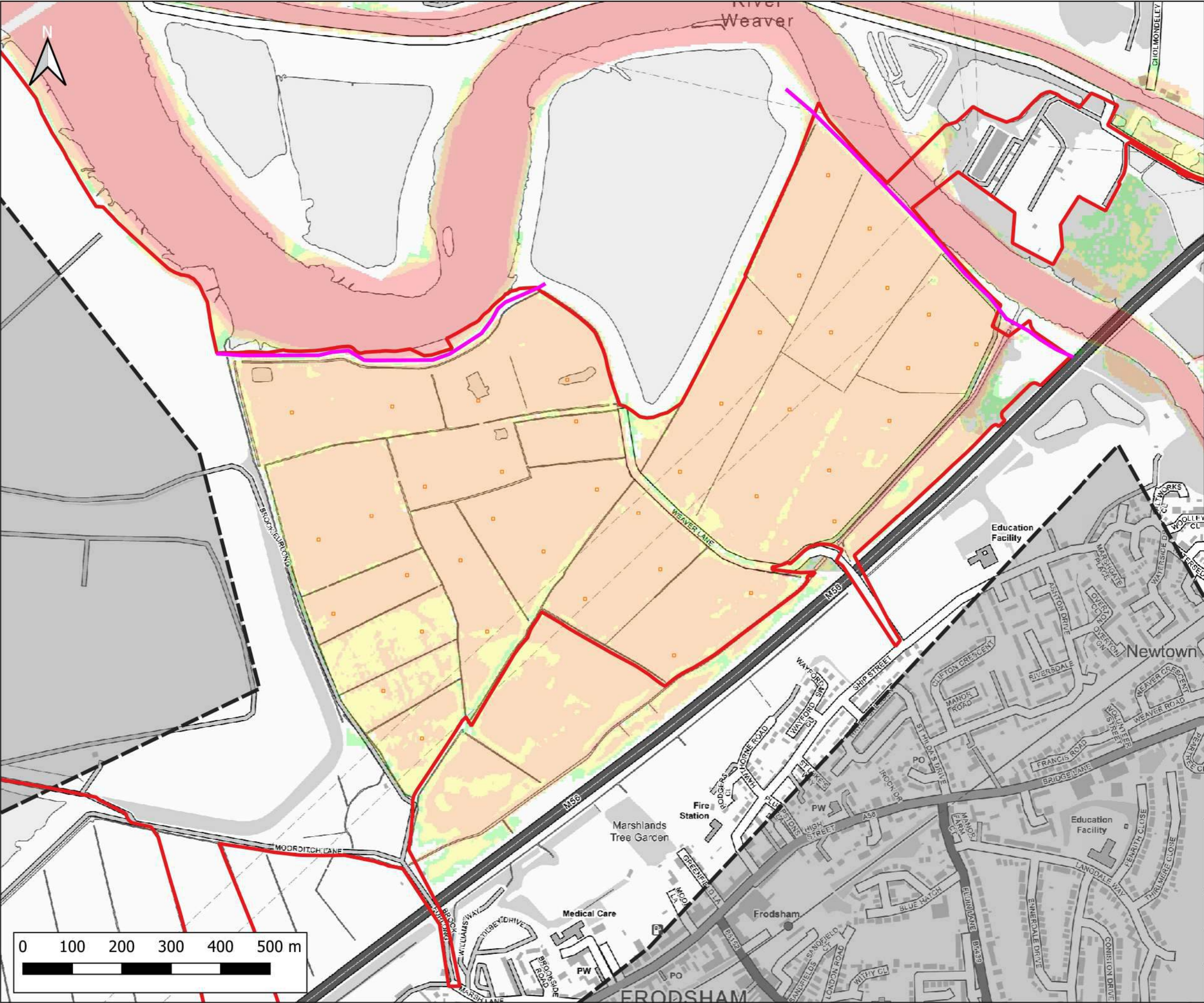
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
0.1% AEP Fluvial Event
MWHs Tidal Event
Defended Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_EXG_Q1000_M(LOW)_FE(MHWS)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

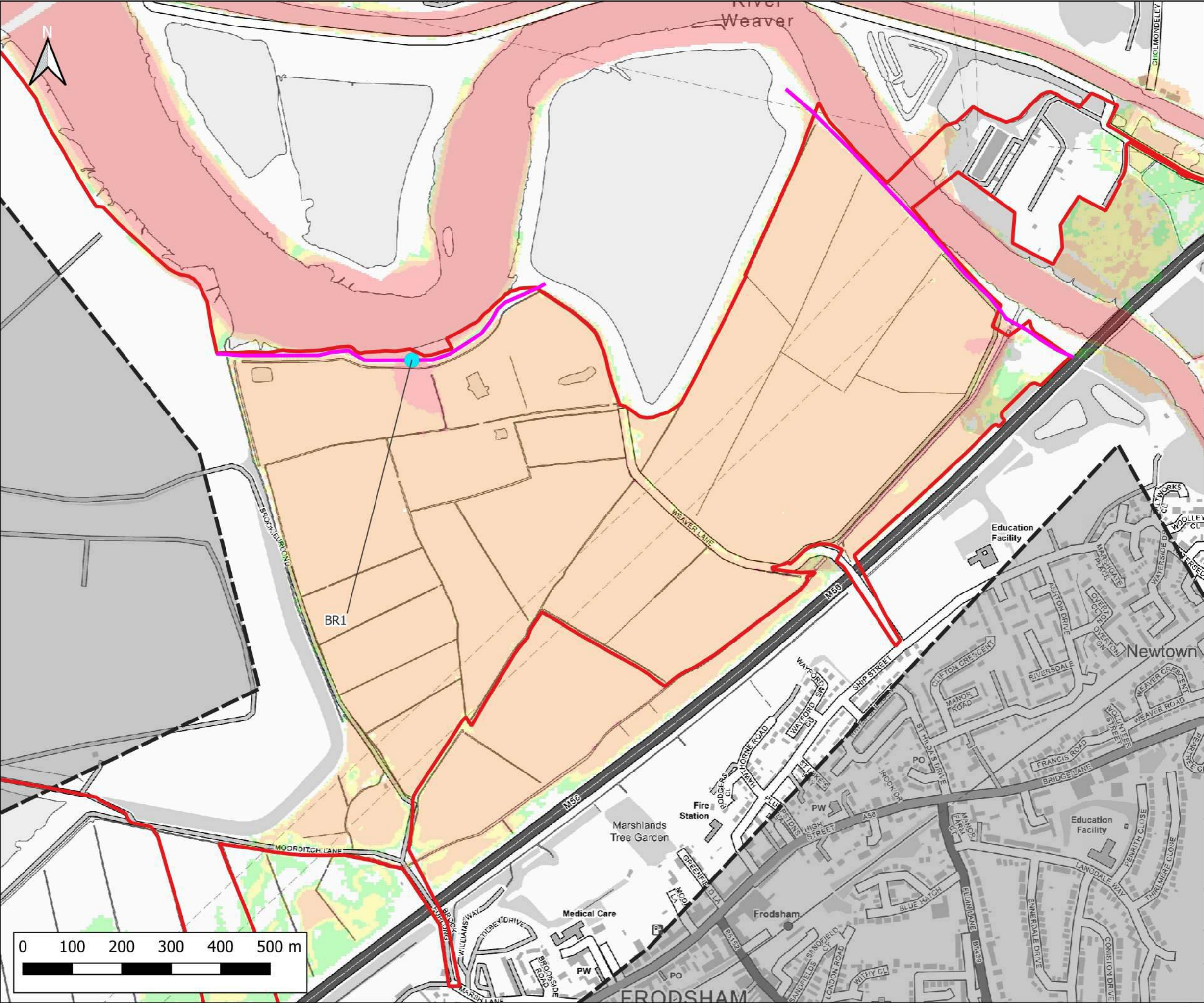
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
0.1% AEP Fluvial Event
MWS Tidal Event
Defended Proposed Development Scenario (DEV)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_DEF_DEV2_Q1000_M(Low)_HE(MWS)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

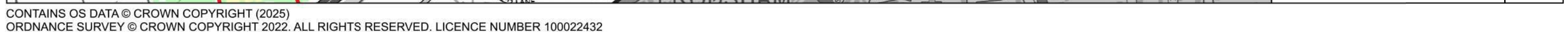
Frodsham Solar

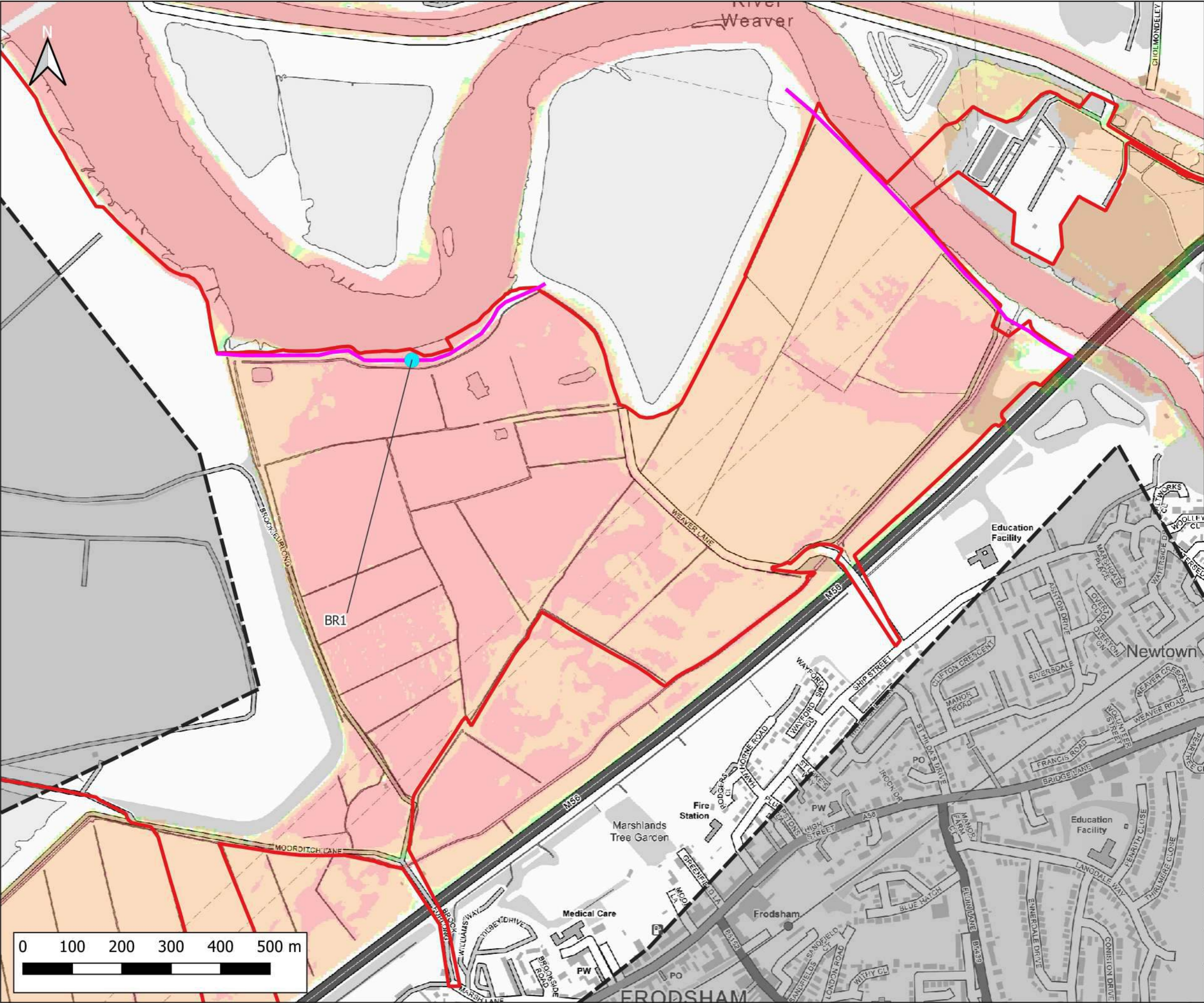
PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_EXG_Q100CC67_M(Low)_ME(MHWSO)_052_ZUK2_Max	-





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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

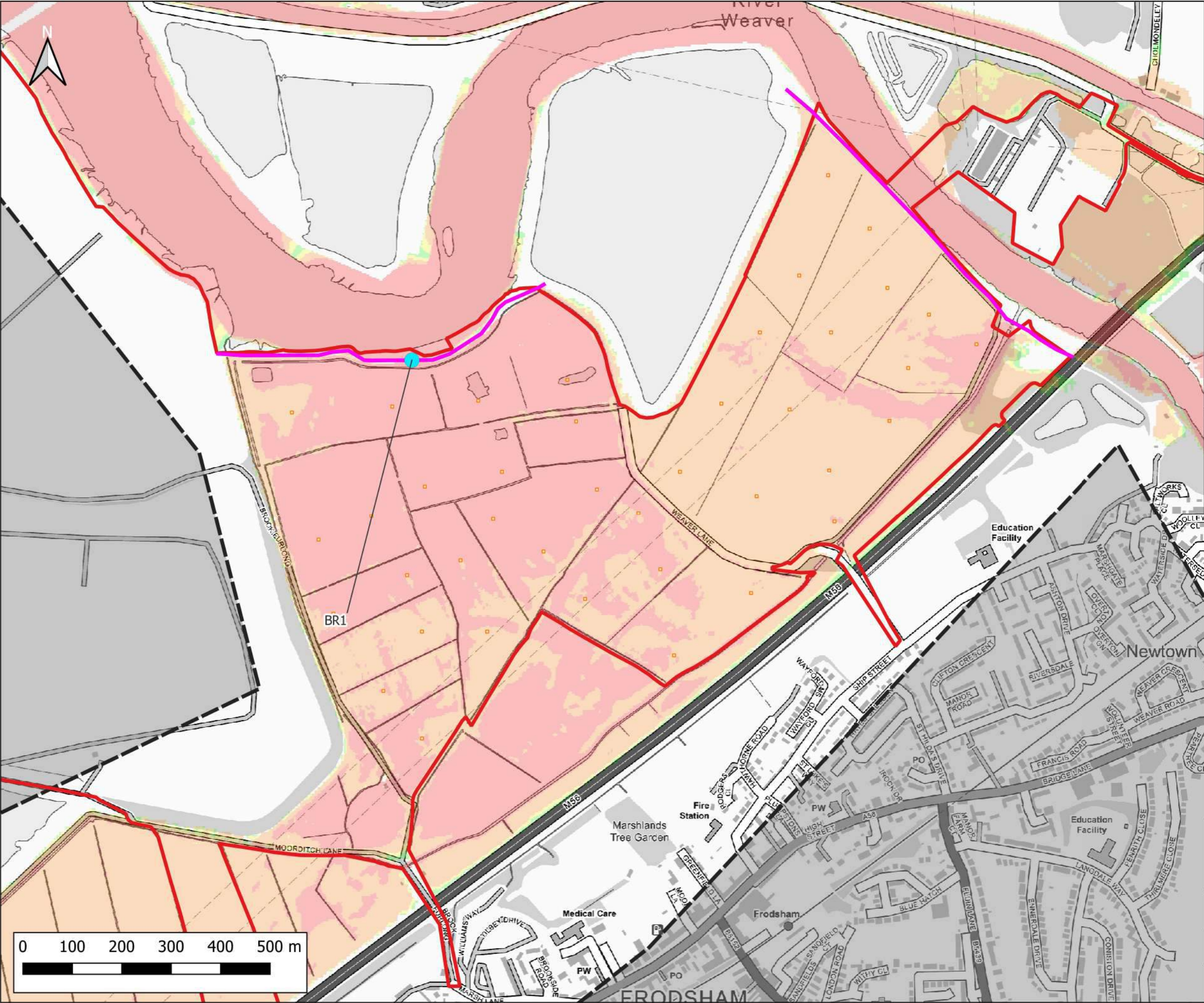
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 1 Existing Scenario (EXG)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_EXG_Q100CC67_M(L)W)_ME(200HC_2075UE)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 1 Location (BR1)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco

www.waterco.co.uk

SCHEME:

Frodsham Solar

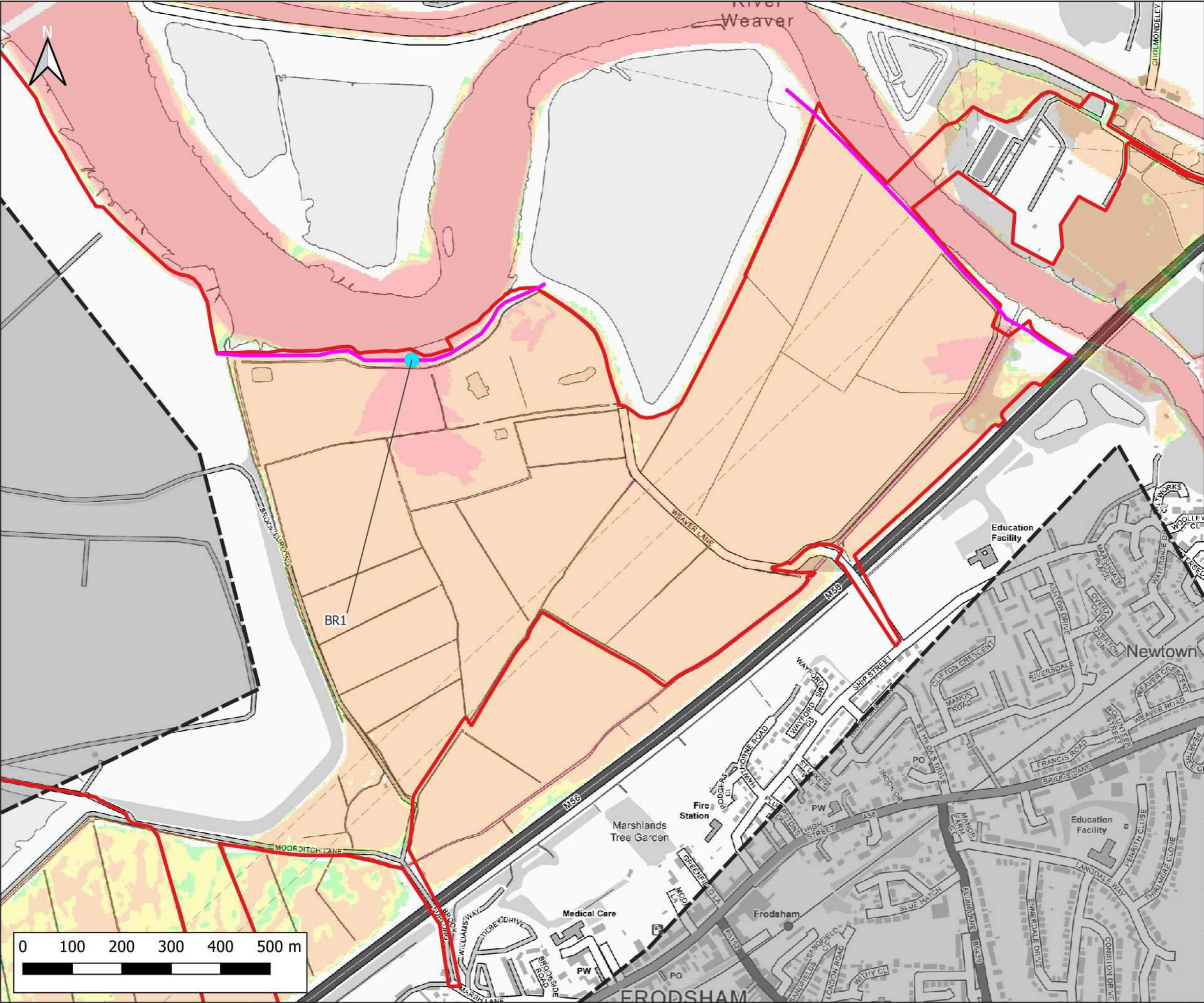
PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
0.5% AEP Tidal Event (2075)
Breach 1 Proposed Development Scenario (DEV)

PLOT STATUS:			DATE:
FINAL			30-04-2025

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_DEV2_Q100CC67_M(Low)_ME(T200HC_2075UE)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 1 Location (BR1)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

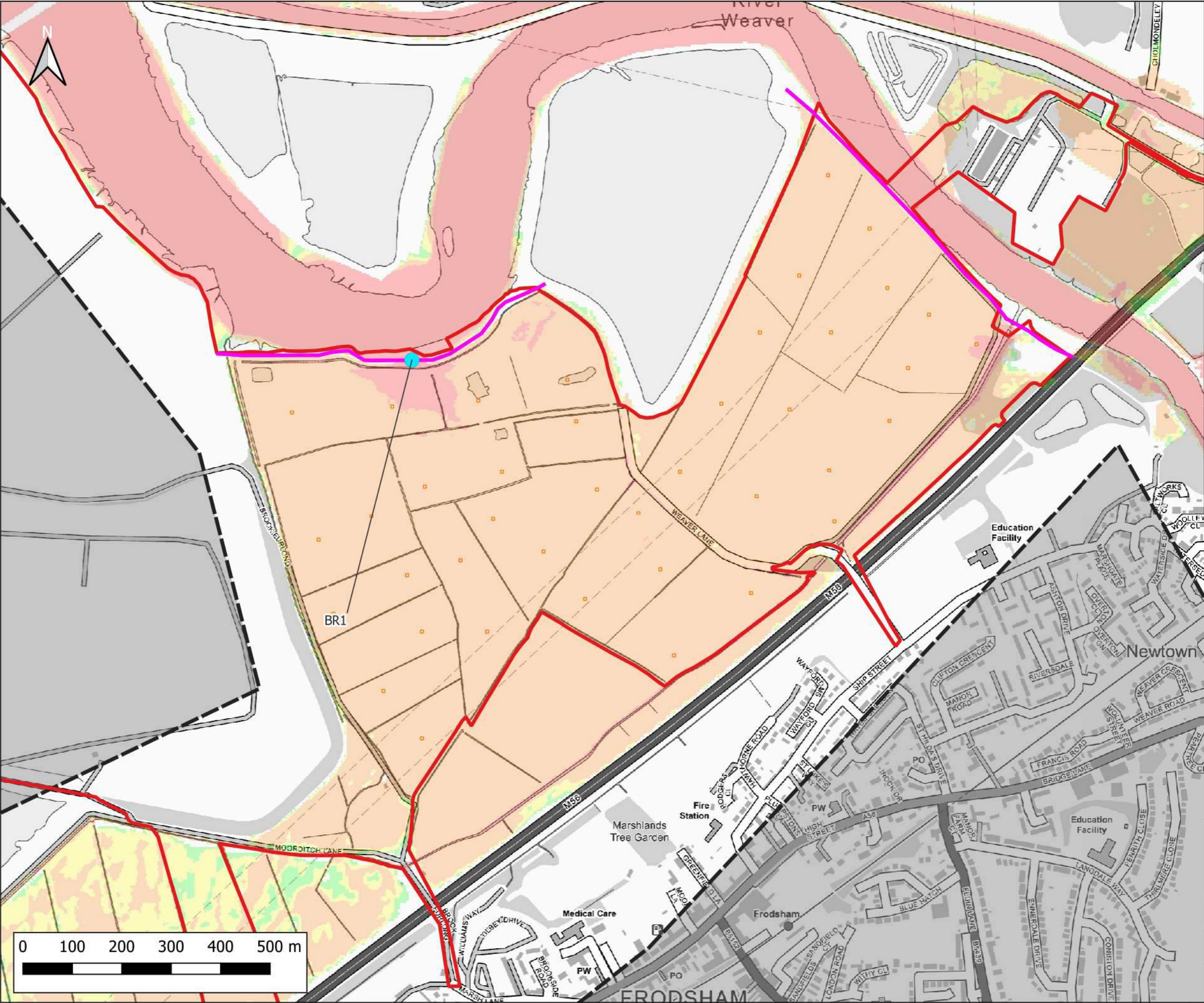
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR1_EXG_Q100CC106_M(LOW)_ME(MHWSOCC)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 1 Location (BR1)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

Weston

East

FRODSHAM

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

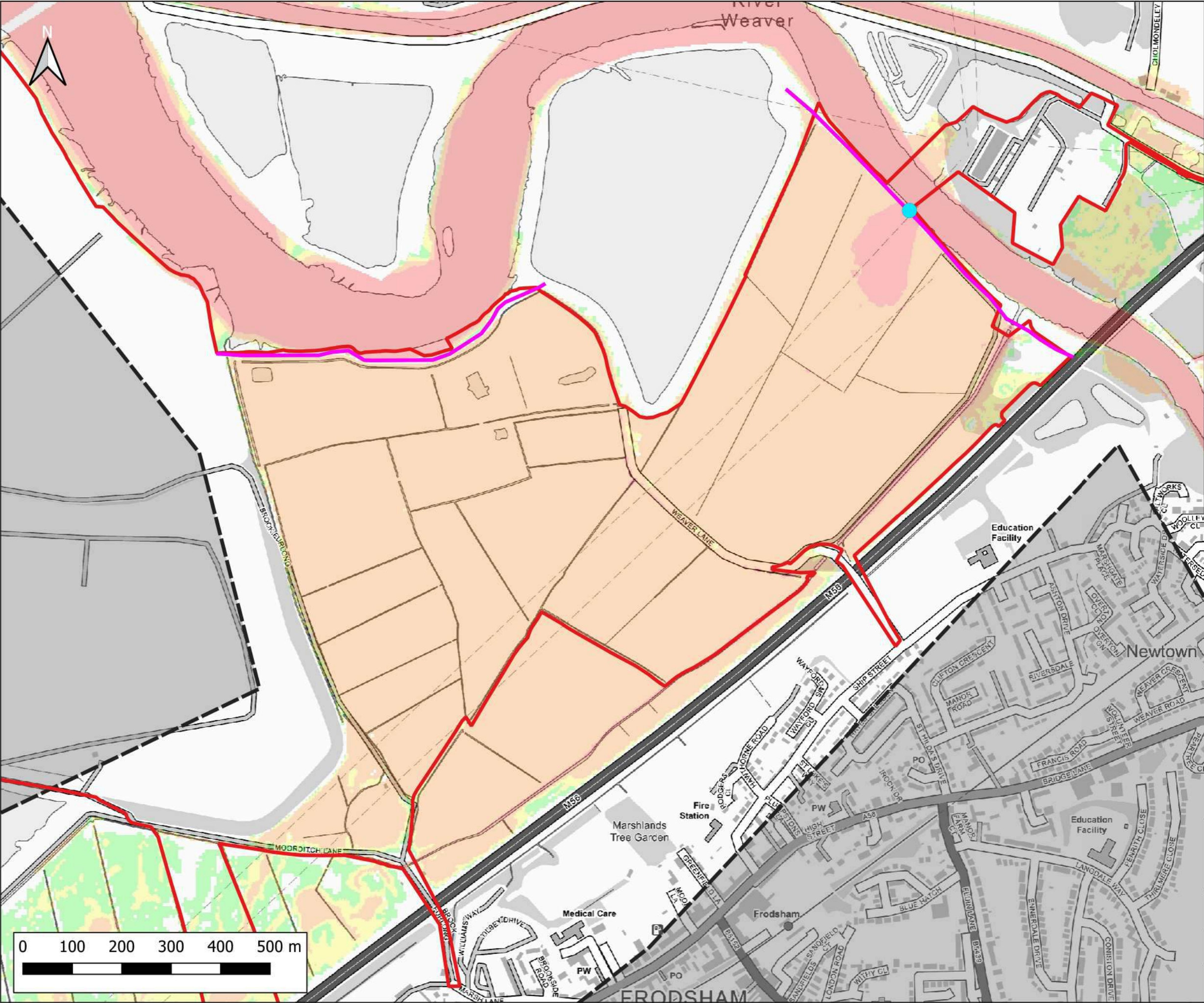
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 1 Proposed Development Scenario (DEV)

PLOT STATUS: FINAL DATE: 30-04-2025

DRAWN: MH CHECKED: AP APPROVED: LS PLOT SCALE AT A3: 1:7500

PLOT NAME: 14740_LW_BR1_DEV2_Q100CC106_M(LOW)_ME(MHWS)_052_ZUK2_Max REVISION: -



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 2 Location (BR2)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

Weston
3
12
River Weaver
East
FRODSHAM

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

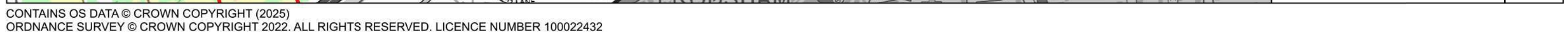
Frodsham Solar

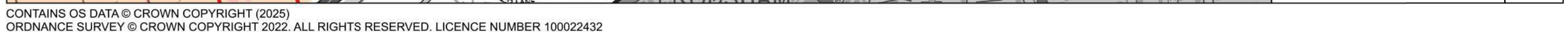
PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +67% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Existing Scenario (EXG)

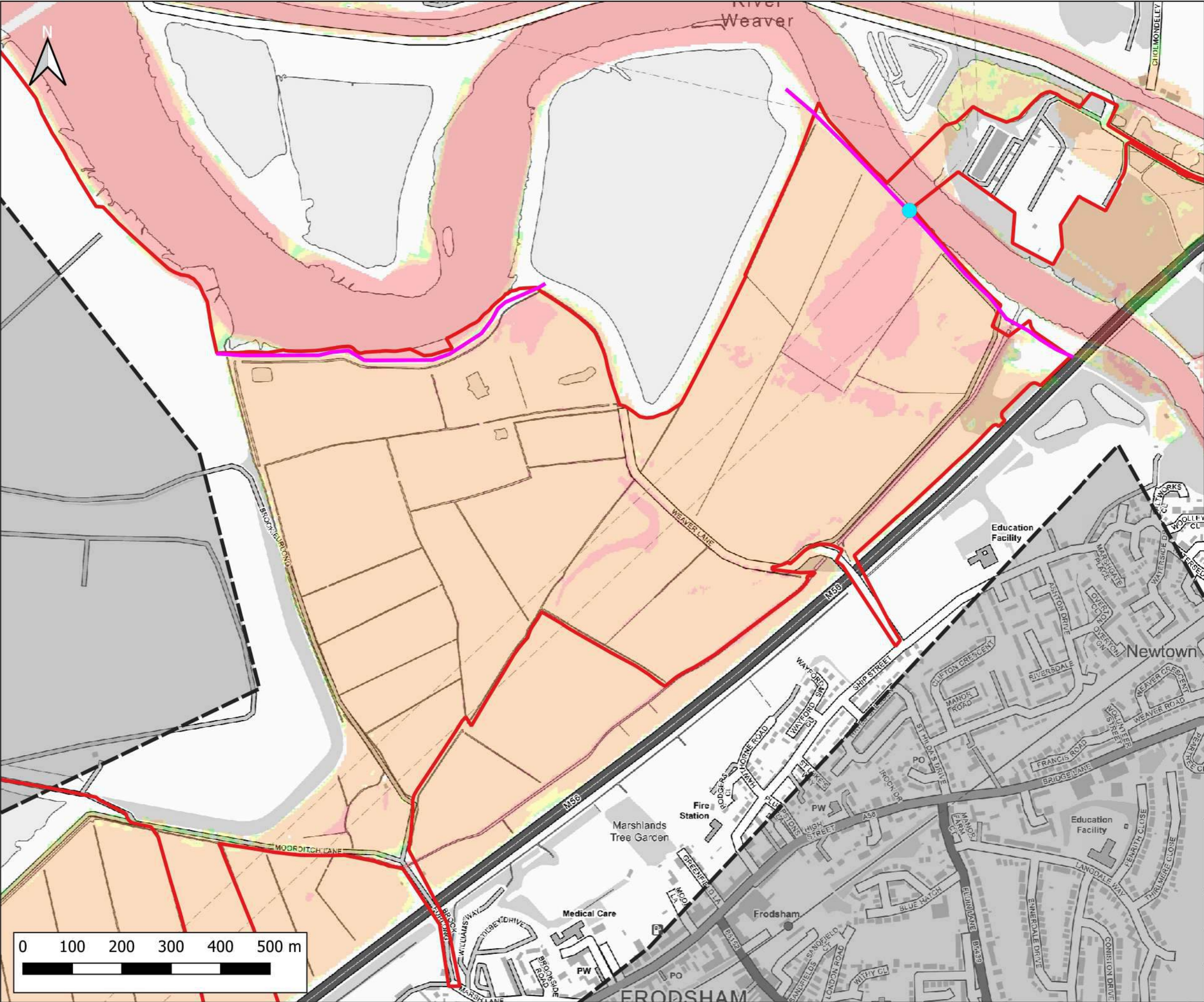
PLOT STATUS: FINAL DATE: 30-04-2025

DRAWN: MH CHECKED: AP APPROVED: LS PLOT SCALE AT A3: 1:7500

PLOT NAME: 14740_LW_BR2_EXG_Q100C67_M(Low)_ME(MHWSO)_052_ZUK2_Max REVISION: -







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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Breach 2 Location (BR2)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

waterco
www.waterco.co.uk

SCHEME:

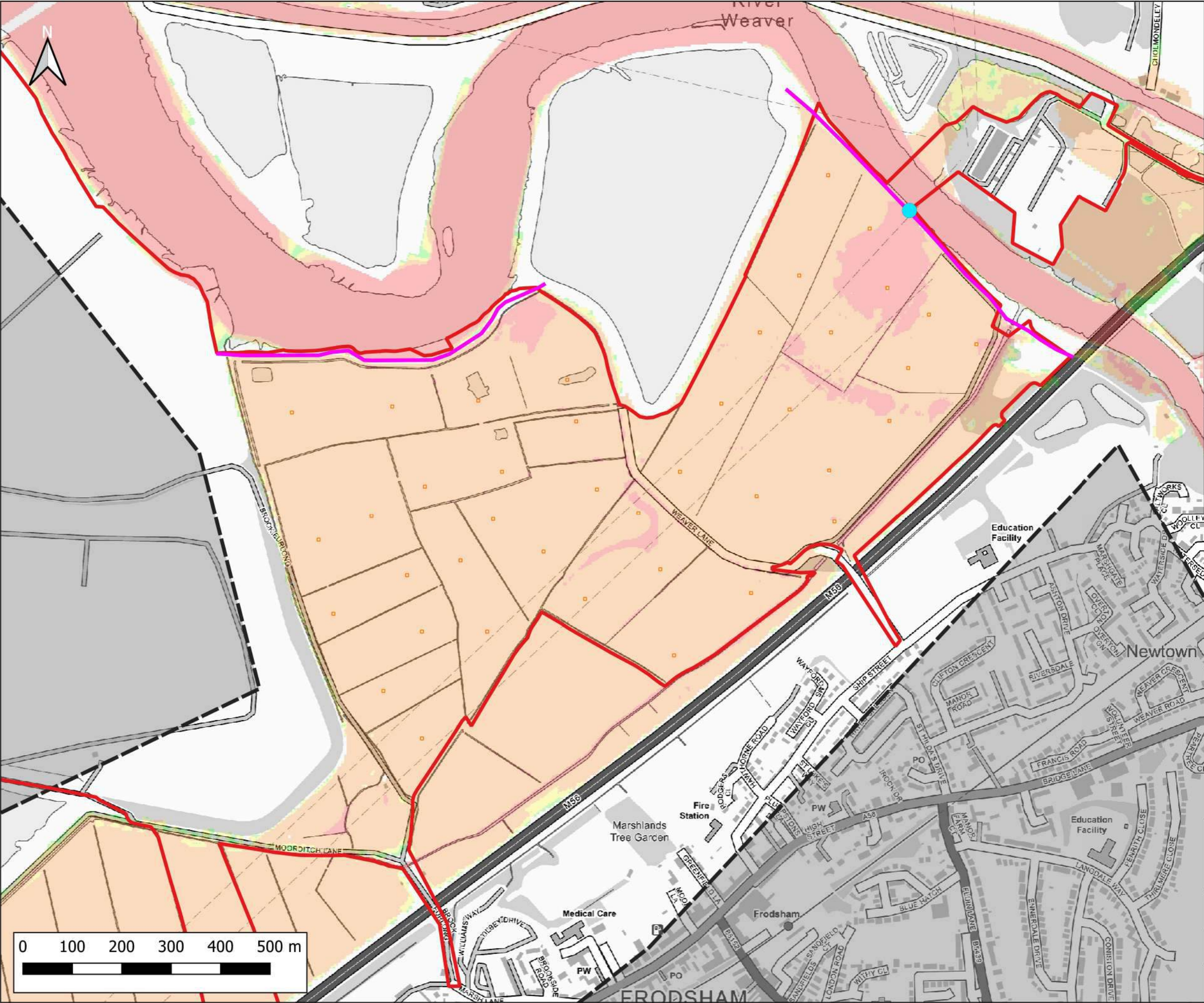
Frodsham Solar

PLOT TITLE:
River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Existing Scenario (EXG)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_EXG_Q100CC106_M(LOW)_ME(MHWSOCC)_052_ZUK2_Max	-



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

LEGEND

- Site Boundary
- 2D Model Extent
- River Weaver Flood Defences
- Proposed Volume Displacement
- Breach 2 Location (BR2)

Maximum Flood Hazard Rating (FD2320)

- Caution
- Danger for Some
- Danger for Most
- Danger for All

CLIENT:

Frodsham Solar Ltd

www.waterco.co.uk

SCHEME:

Frodsham Solar

PLOT TITLE:

River Weaver Maximum Flood Hazard Rating
1% AEP +106% CC Fluvial Event
MWHS +CC Tidal Event
Breach 2 Proposed Development Scenario (DEV)

PLOT STATUS:		DATE:	
FINAL		30-04-2025	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MH	AP	LS	1:7500

PLOT NAME:	REVISION:
14740_LW_BR2_DEV2_Q100CC106_M(LOW)_ME(MHWSWC)_052_ZUK2_Max	-