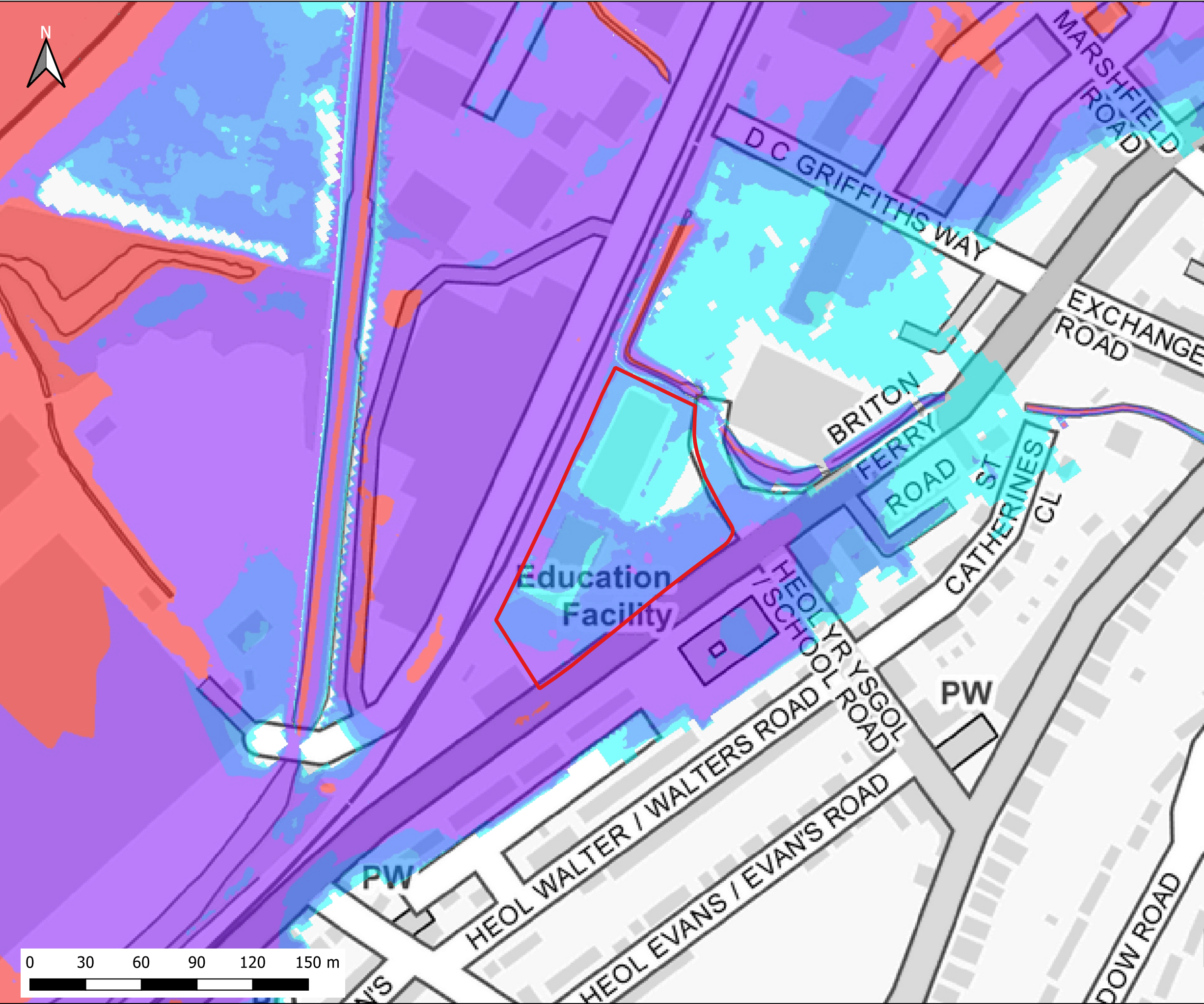




Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

Site Boundary

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:

Briton Ferry Road, Neath

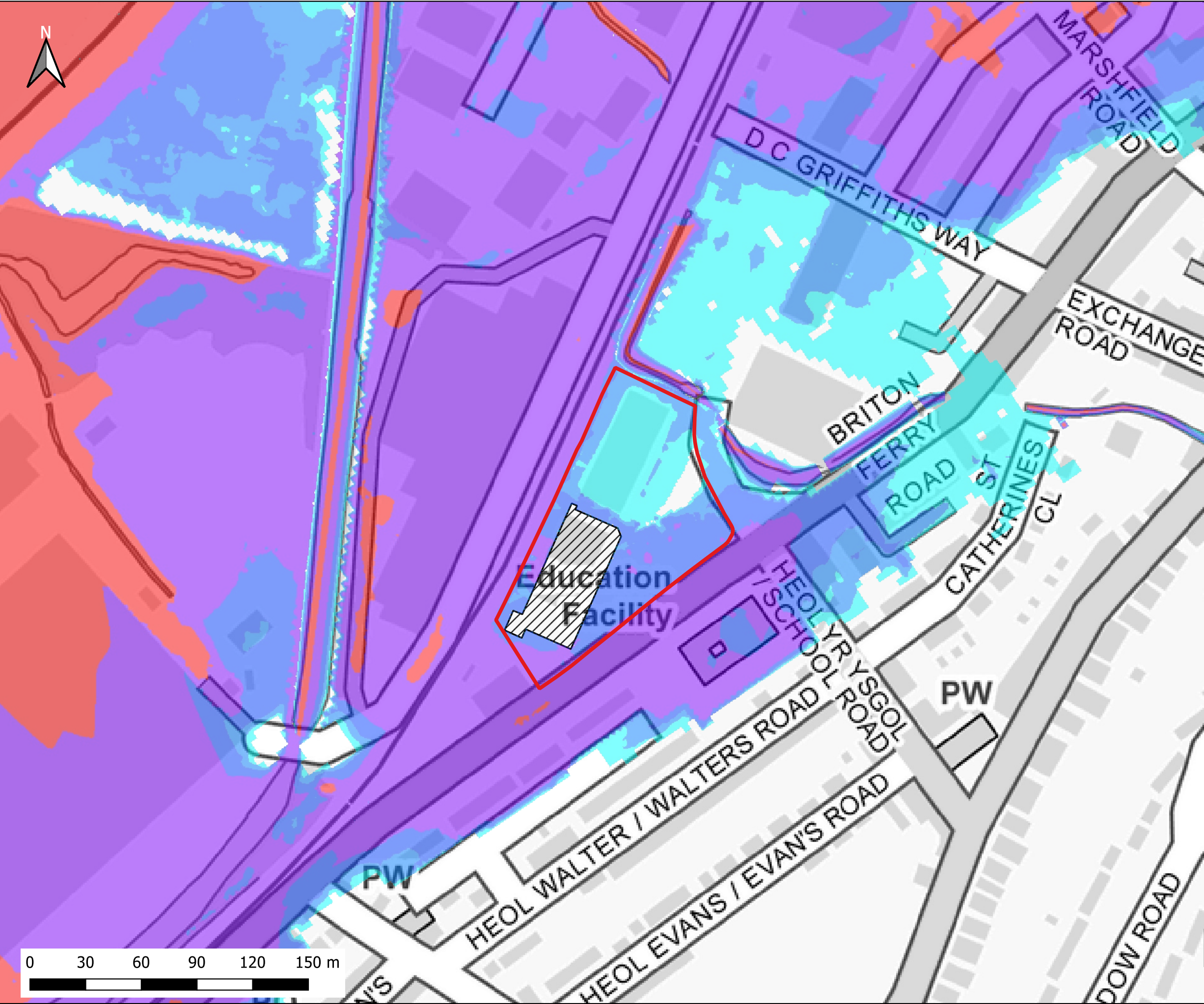
PLOT TITLE:

Maximum Flood Depth
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_EXG_NC_d	-



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

LEGEND

Site Boundary

Proposed Store Extension

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:

Briton Ferry Road, Neath

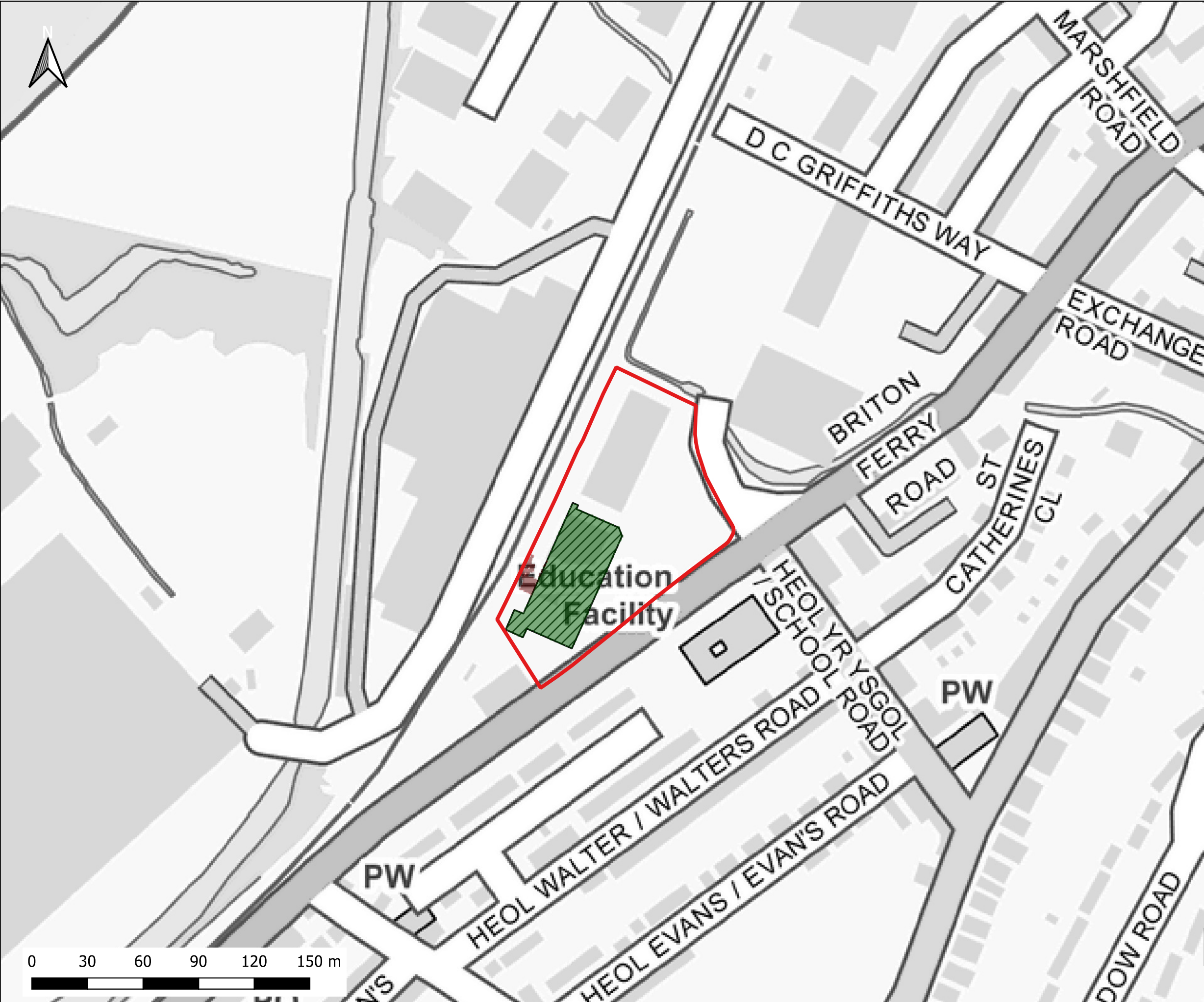
PLOT TITLE:

Maximum Flood Depth
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

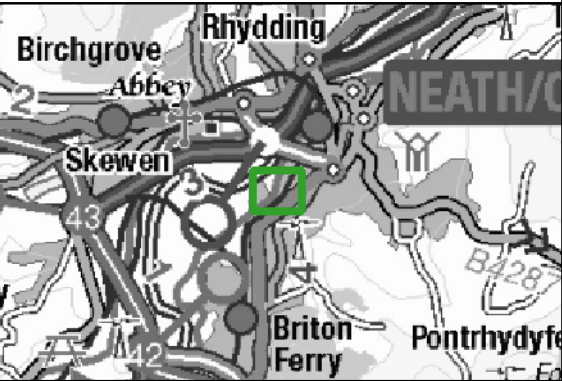
PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_DEV_NC_d	-



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

LEGEND

- Site Boundary
- Proposed Store Extension
- Maximum Depth Variation**
 - > -100mm
 - 50mm to -100mm
 - 5mm to -50mm
 - No Change (+/- 5mm)
 - +5mm to +50mm
 - +50mm to +100mm
 - > +100mm



CLIENT:



SCHEME:

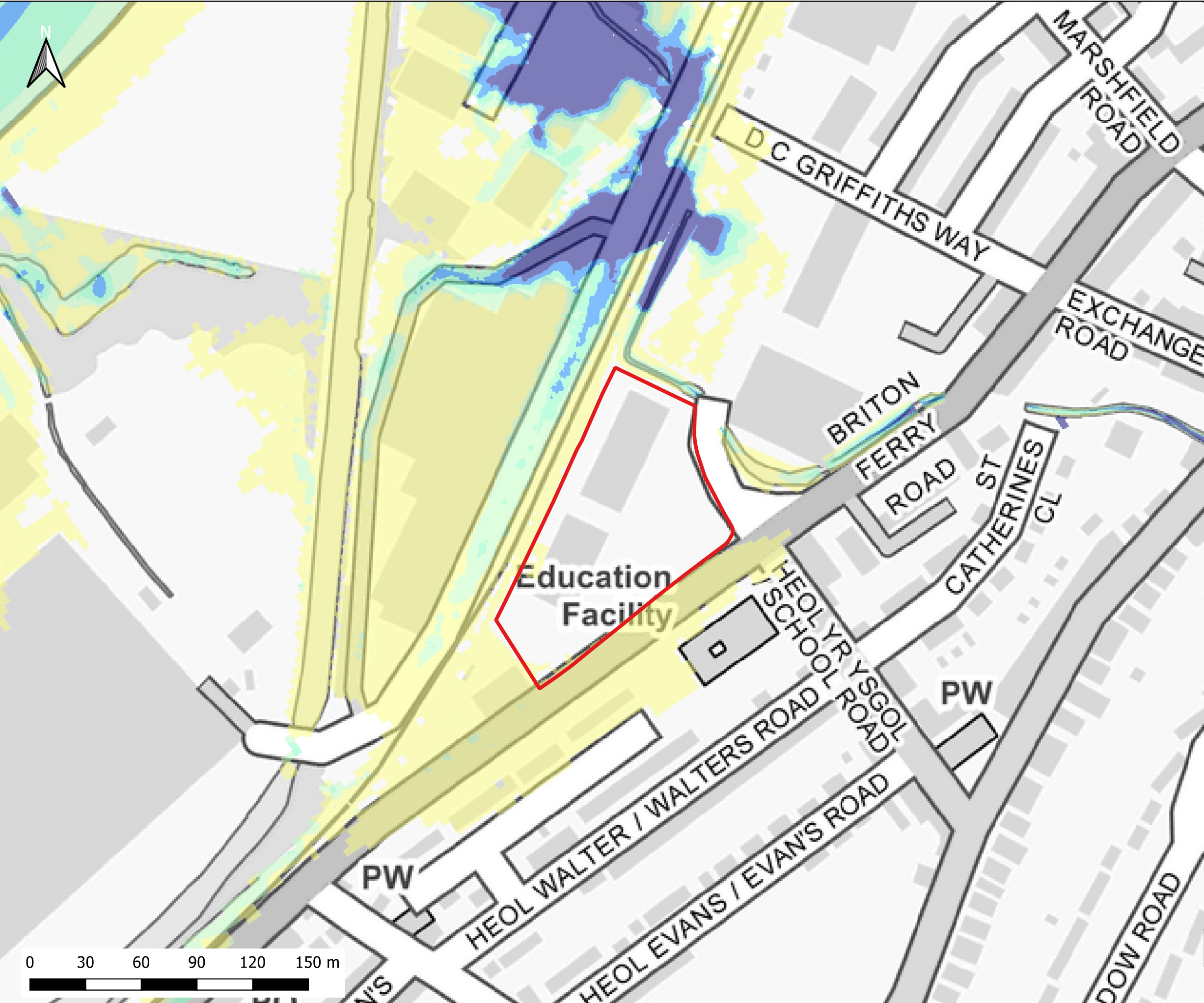
Briton Ferry Road, Neath

PLOT TITLE: Maximum Depth Difference
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
DEV vs EXG

PLOT STATUS:	FINAL	DATE:	08-06-2022
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DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_DEV_EXG_DIFF	-



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

LEGEND

Site Boundary

Maximum 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:

Briton Ferry Road, Neath

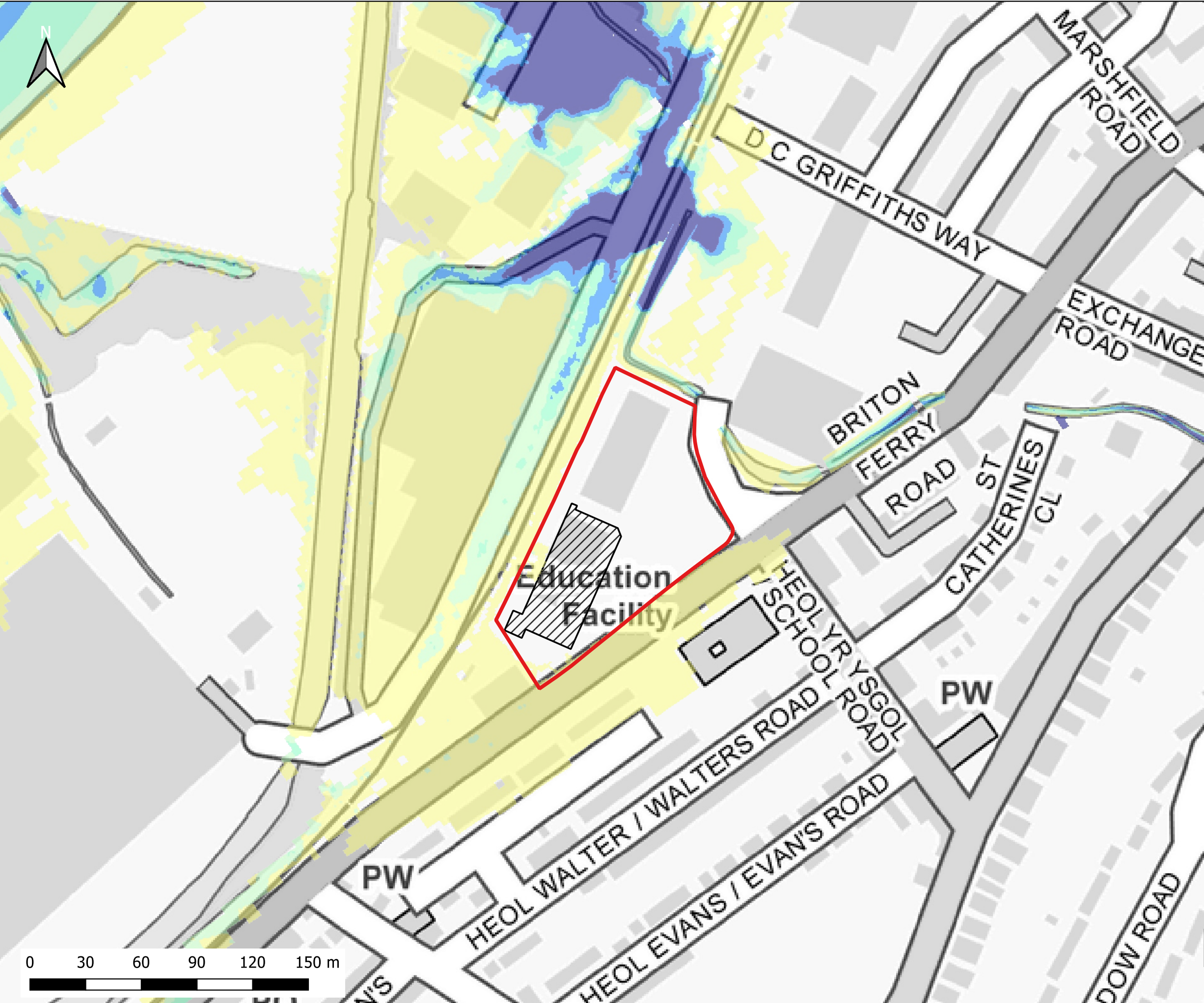
PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 2% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T50_EXG_NC_V	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Velocity (m/s)

0.0 - 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

> 1.2

CLIENT:

waterco
www.waterco.co.uk

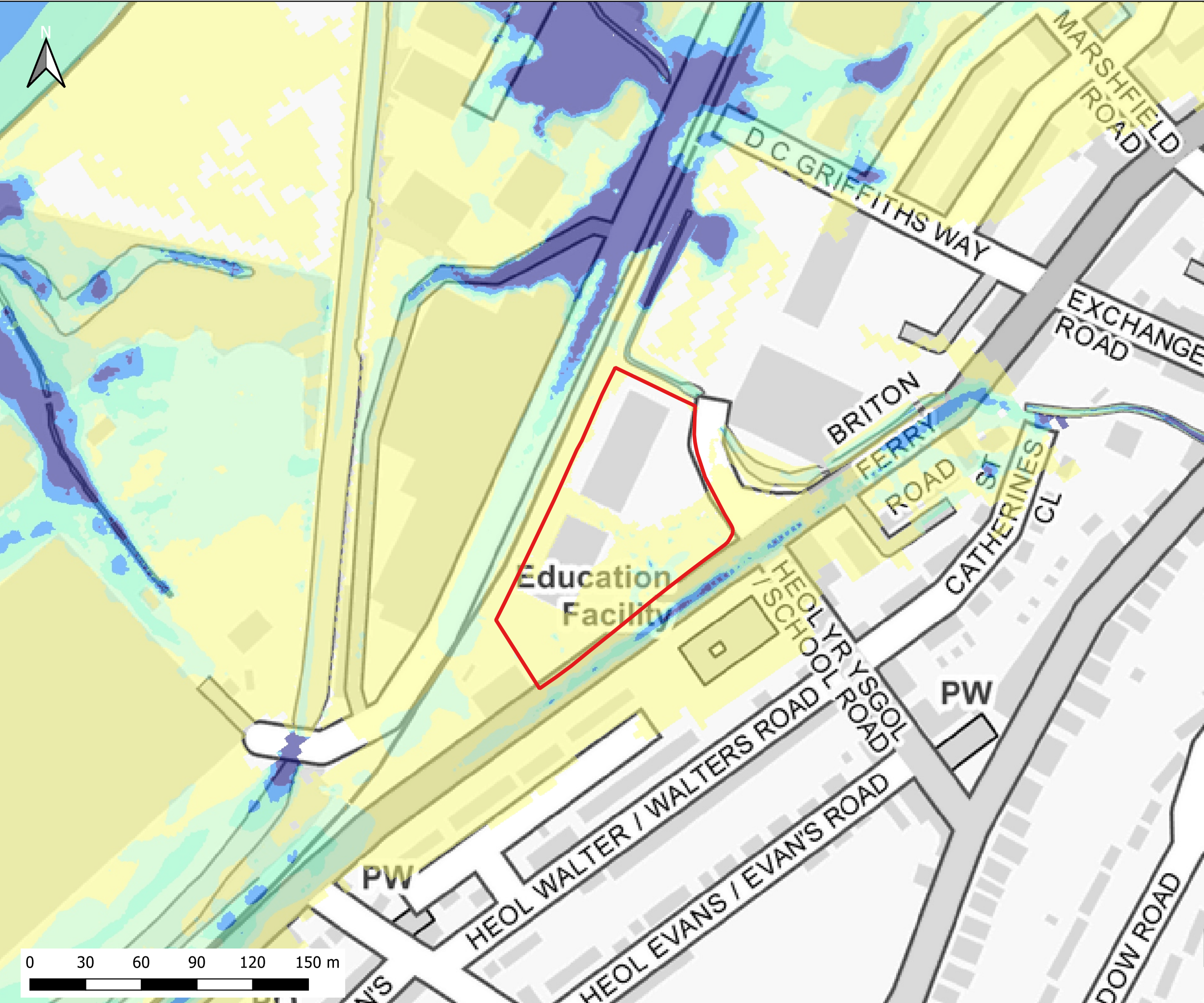
SCHEME:

Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 2% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000
PLOT NAME:			REVISION:
13099-Q2_T50_DEV_NC_V			-



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

LEGEND

Site Boundary

Maximum 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:

Briton Ferry Road, Neath

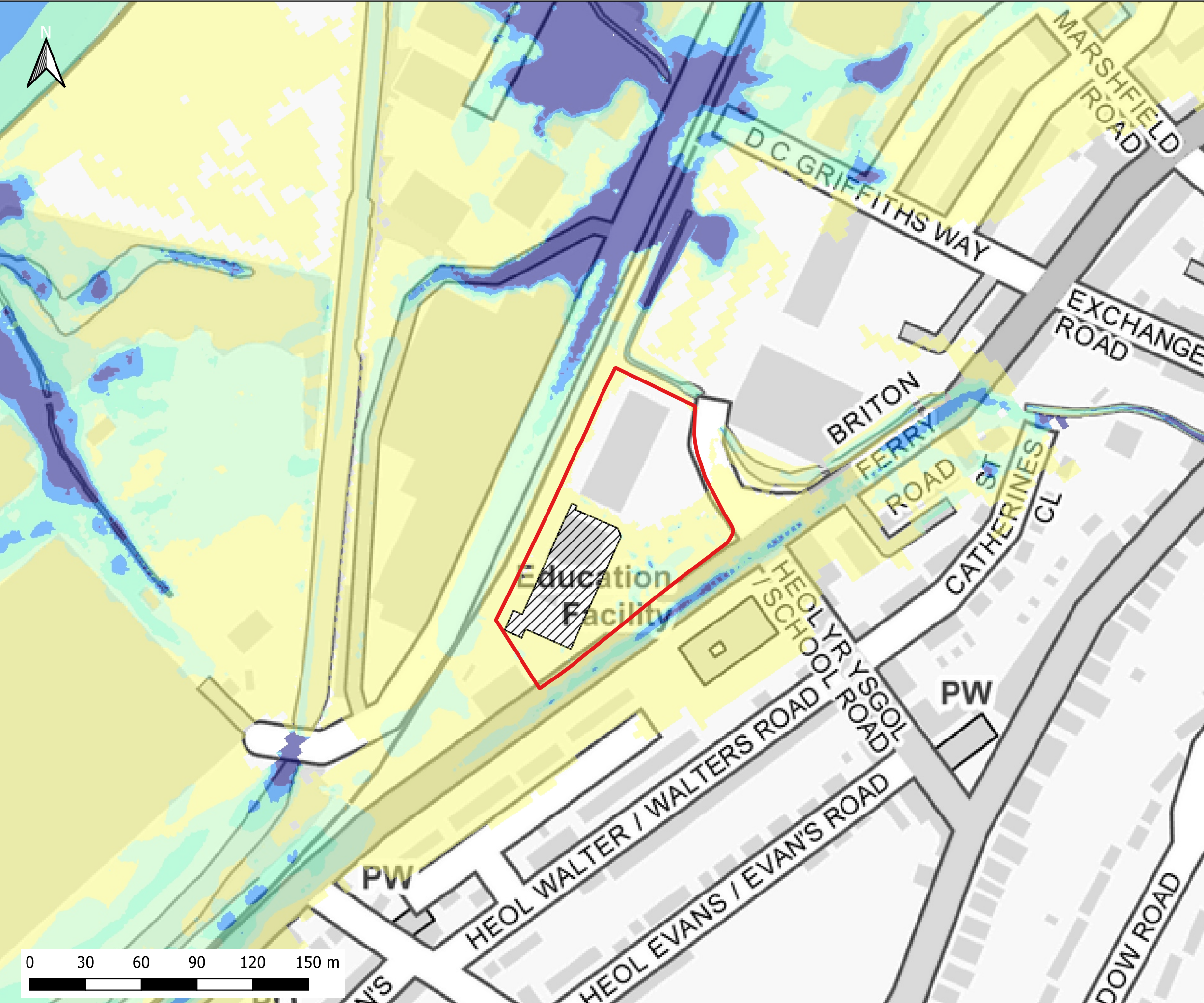
PLOT TITLE:

Maximum Flood Velocity
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T50_2100_EXG_NC_V	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Velocity (m/s)

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

CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

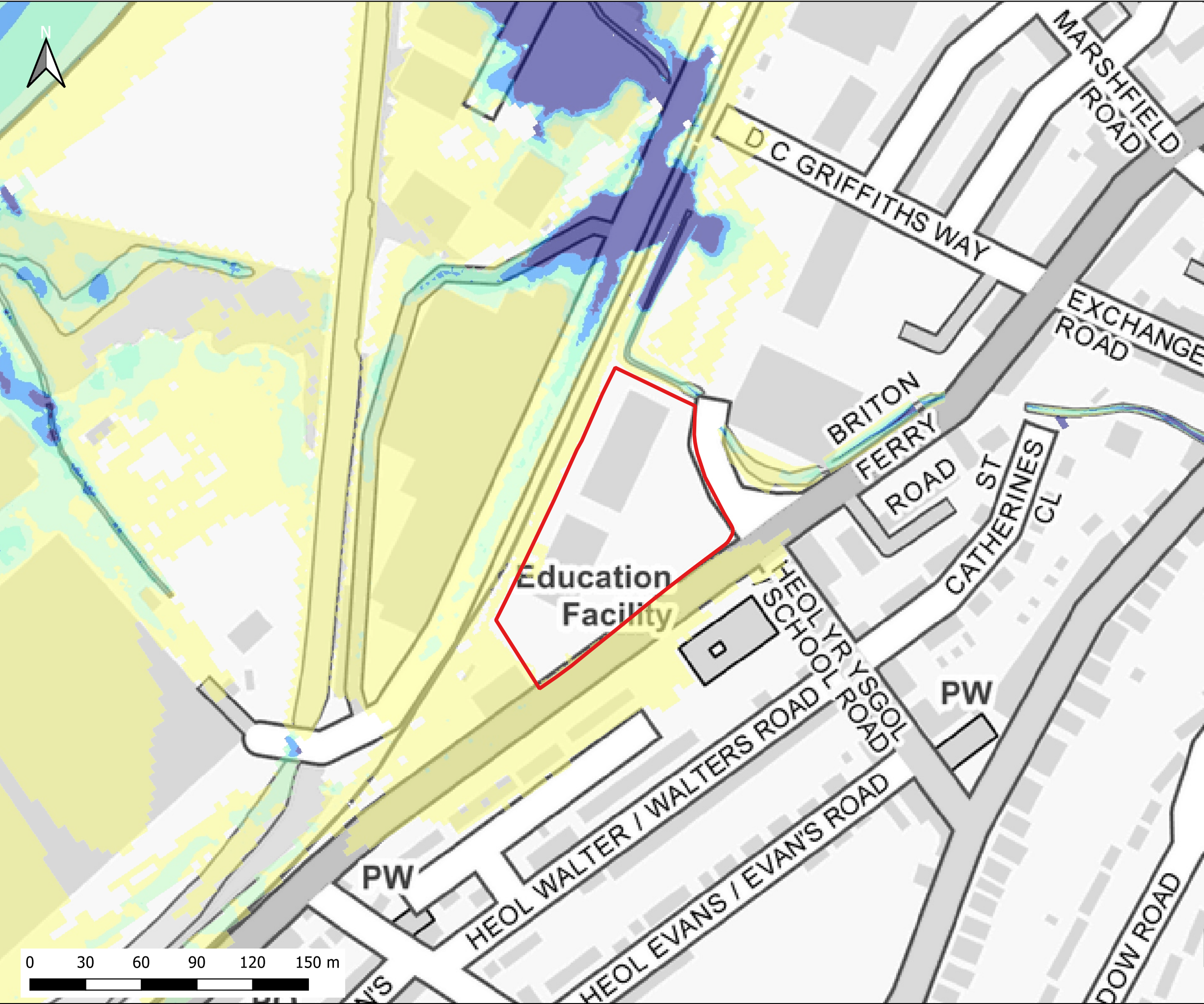
PLOT TITLE:

Maximum Flood Velocity
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:		REVISION:	
13099-Q2CC30_T50_2100_DEV_NC_V		-	



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

LEGEND

Site Boundary

Maximum Velocity (m/s)

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

CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

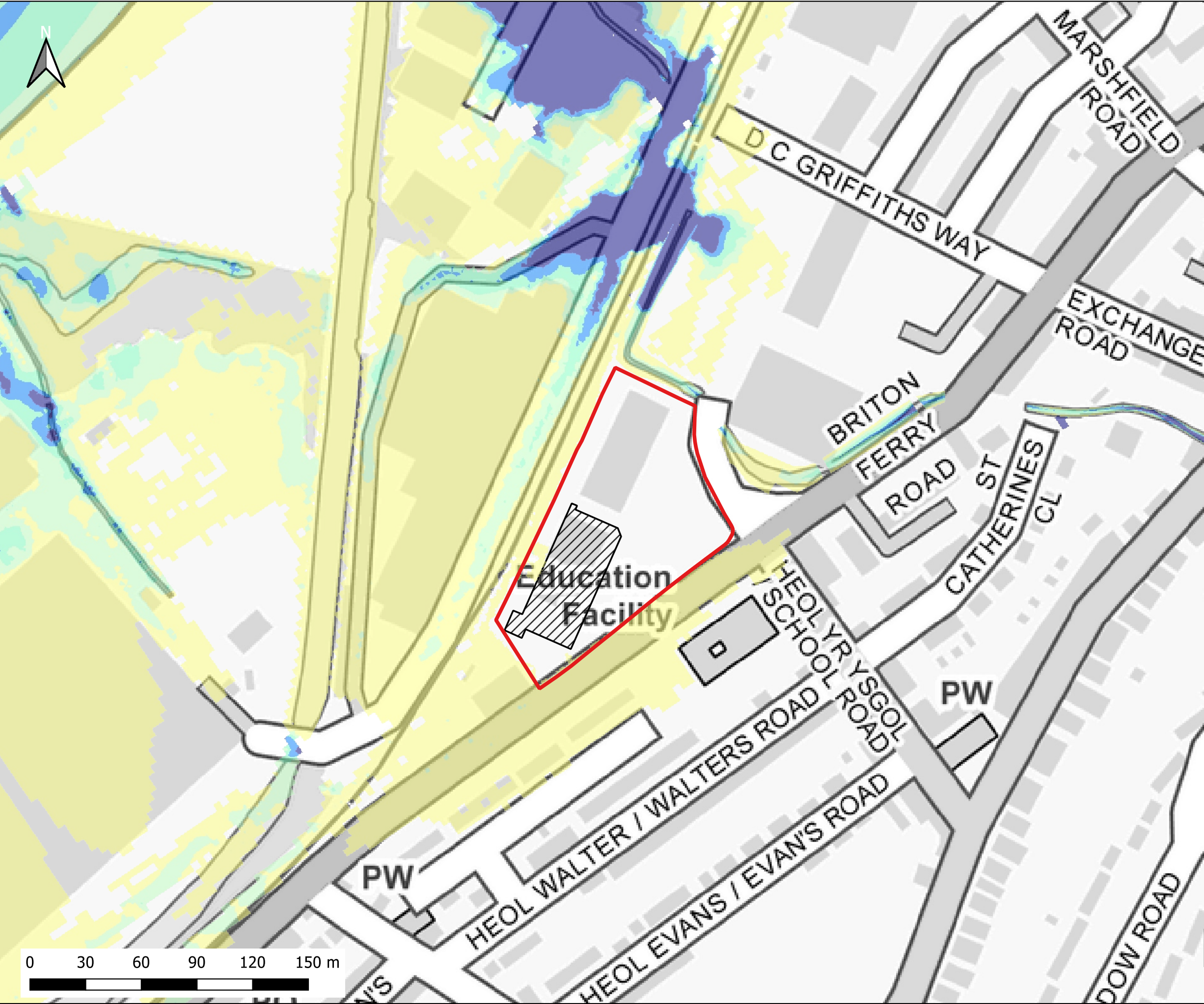
PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 0.5% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:		REVISION:
13099-Q2_T200_EXG_NC_V		-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Velocity (m/s)

0.0 - 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

> 1.2

CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

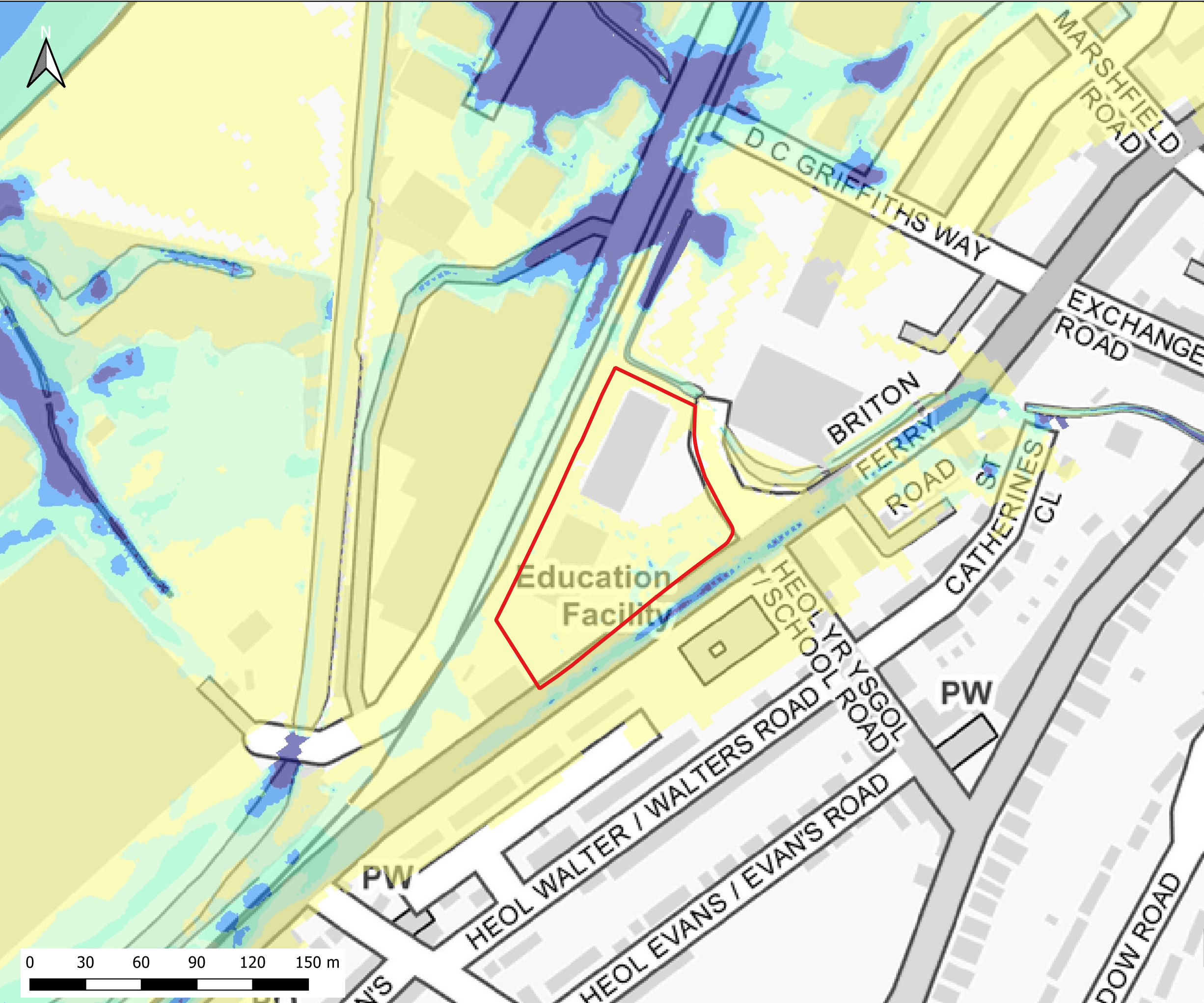
PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 0.5% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:		REVISION:
13099-Q2_T200_DEV_NC_V		-



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

LEGEND

Site Boundary

Maximum 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:

Briton Ferry Road, Neath

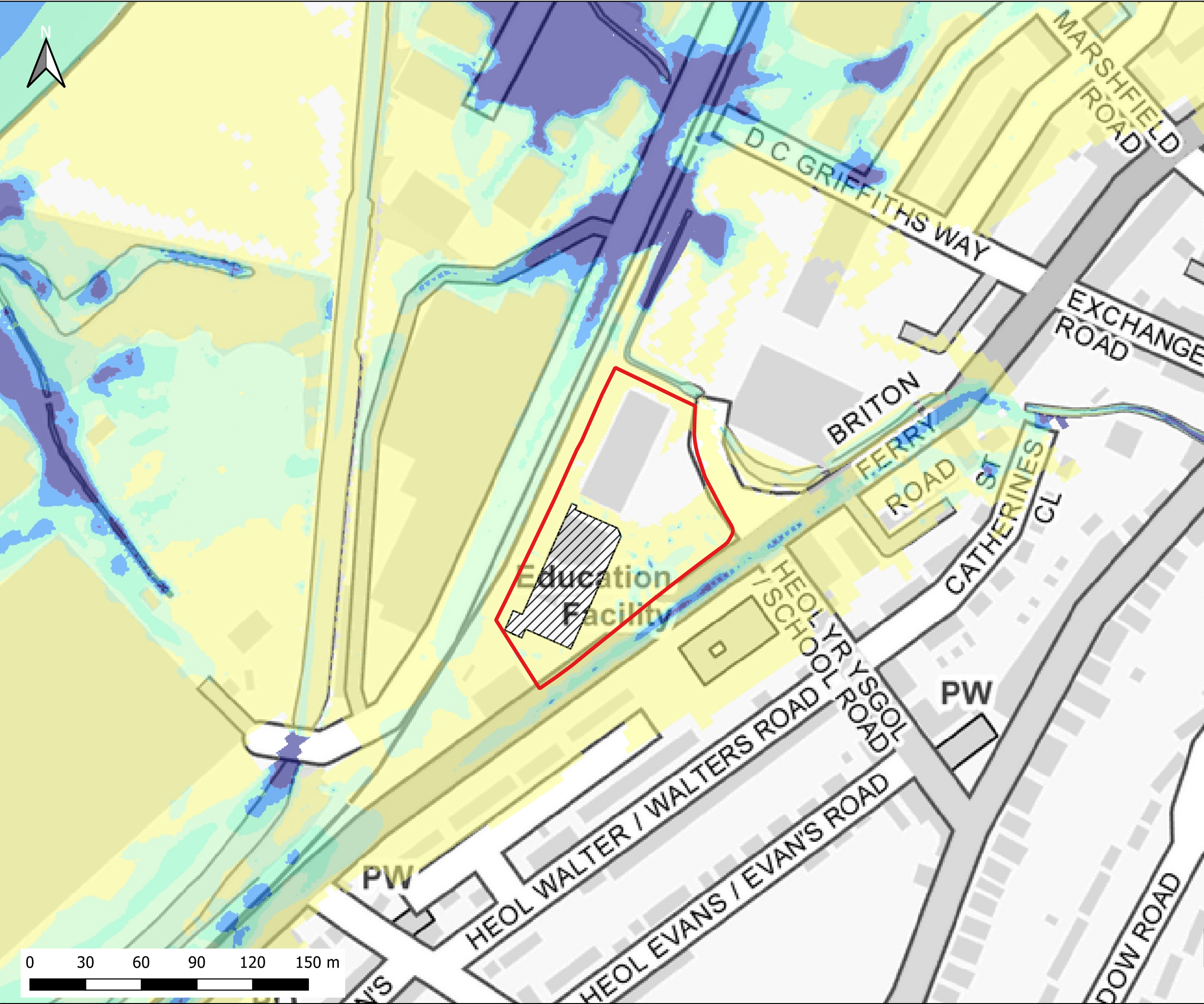
PLOT TITLE:

Maximum Flood Velocity
50%+CC30 AEP Plus 0.5% AEP Tidal Event
2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

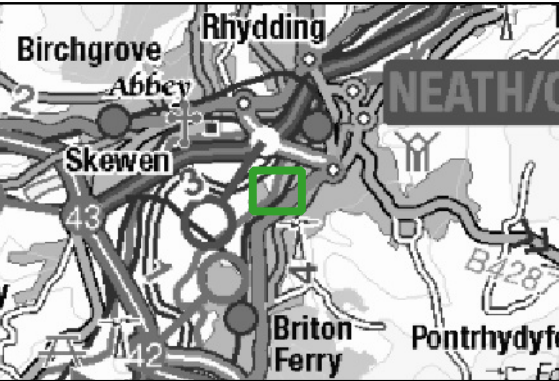
PLOT NAME:	REVISION:
13099-Q2CC30_T200_2100_EXG_NC_V	-



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

LEGEND

- Site Boundary
- Proposed Store Extension
- Maximum Velocity (m/s)
 - 0.0 - 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - > 1.2



CLIENT:



SCHEME:

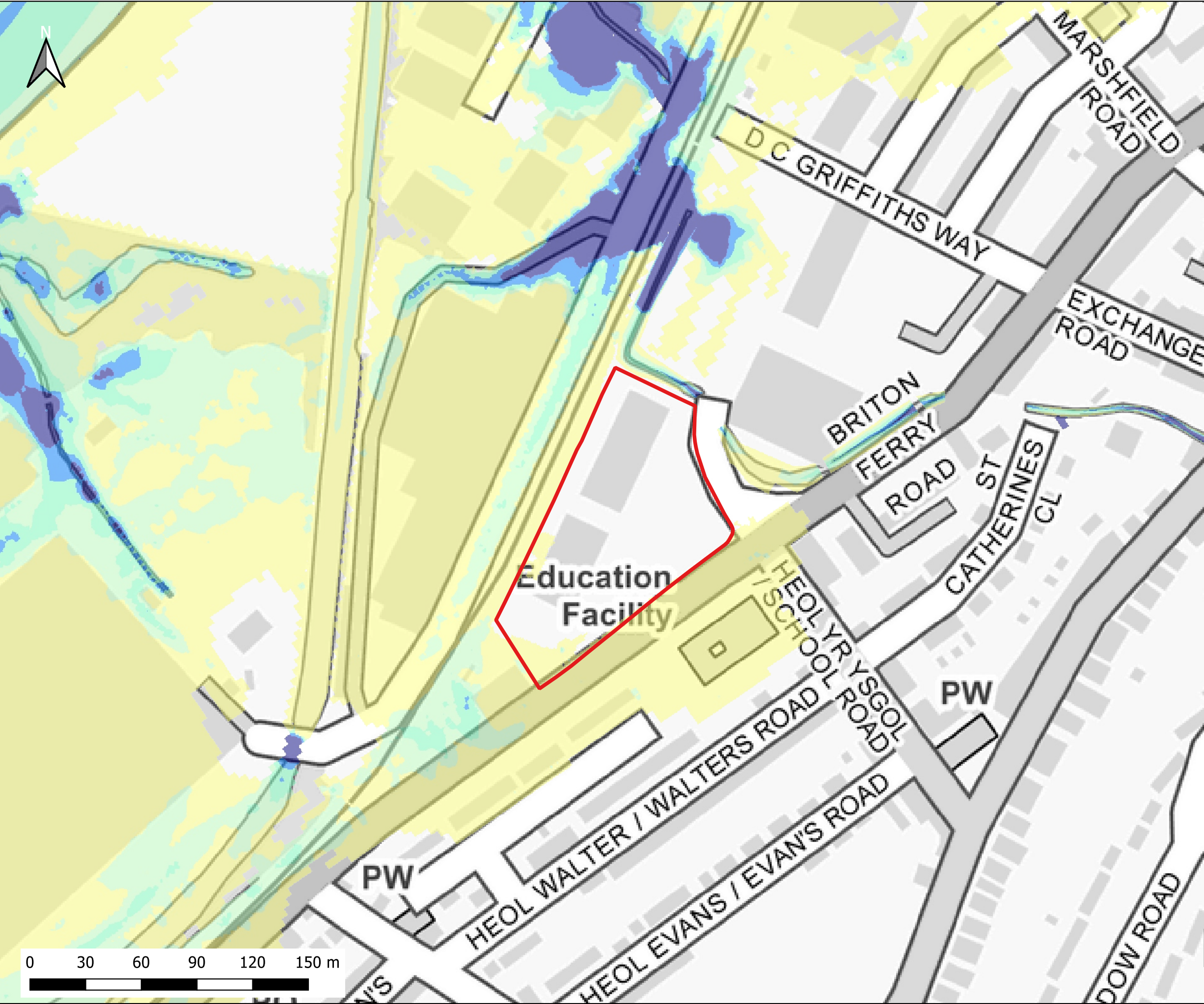
Briton Ferry Road, Neath

PLOT TITLE: Maximum Flood Velocity
50%+CC30 AEP Plus 0.5% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS: FINAL		DATE: 08-06-2022
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DRAWN: MF	CHECKED: SB	APPROVED: AW	PLOT SCALE AT A3: 1:2000
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PLOT NAME: 13099-Q2CC30_T200_2100_DEV_NC_V	REVISION: -
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Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

Site Boundary

Maximum 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:

Briton Ferry Road, Neath

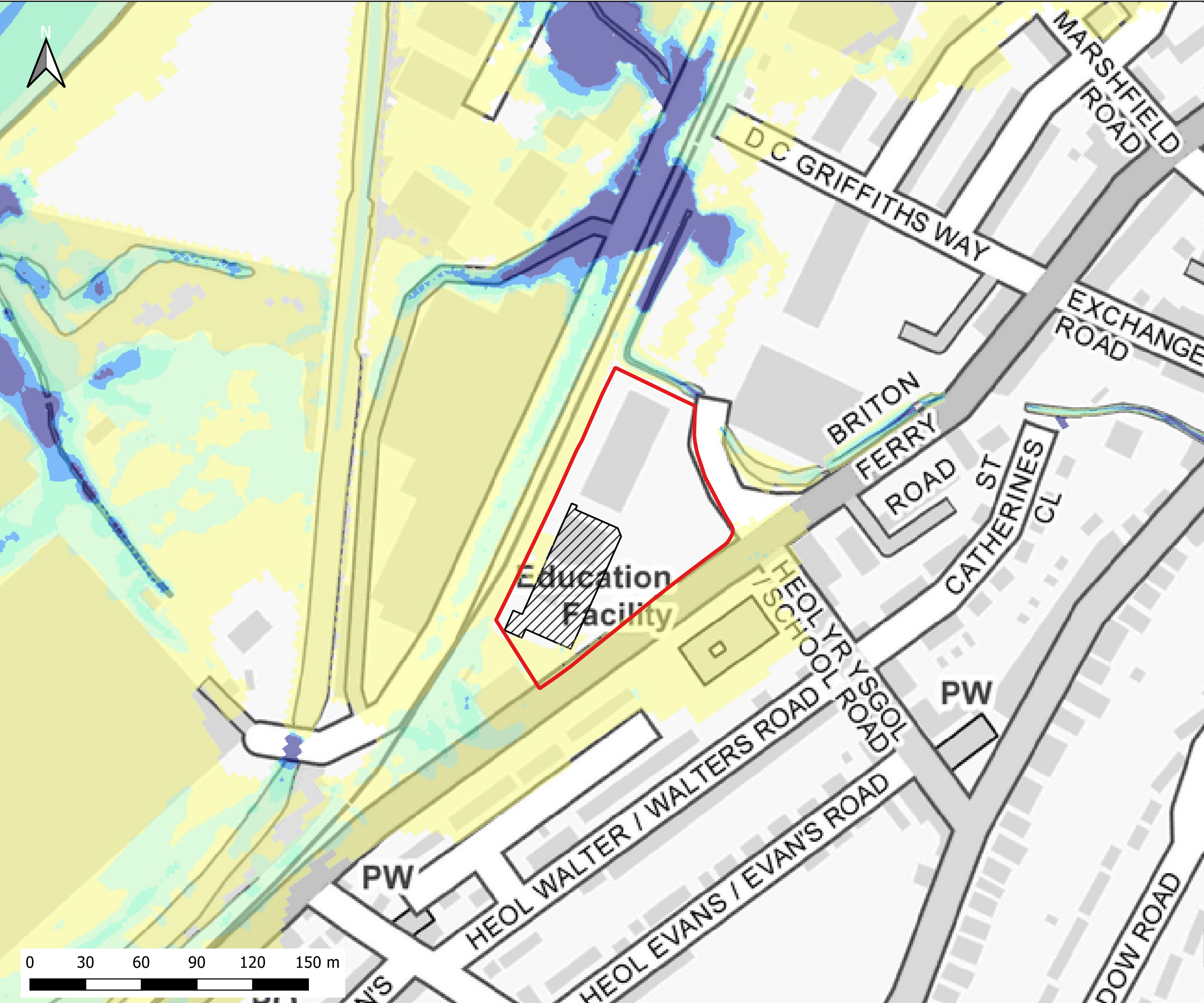
PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 0.1% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T1000_EXG_NC_V	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Velocity (m/s)

0.0 - 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

> 1.2

CLIENT:

waterco

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

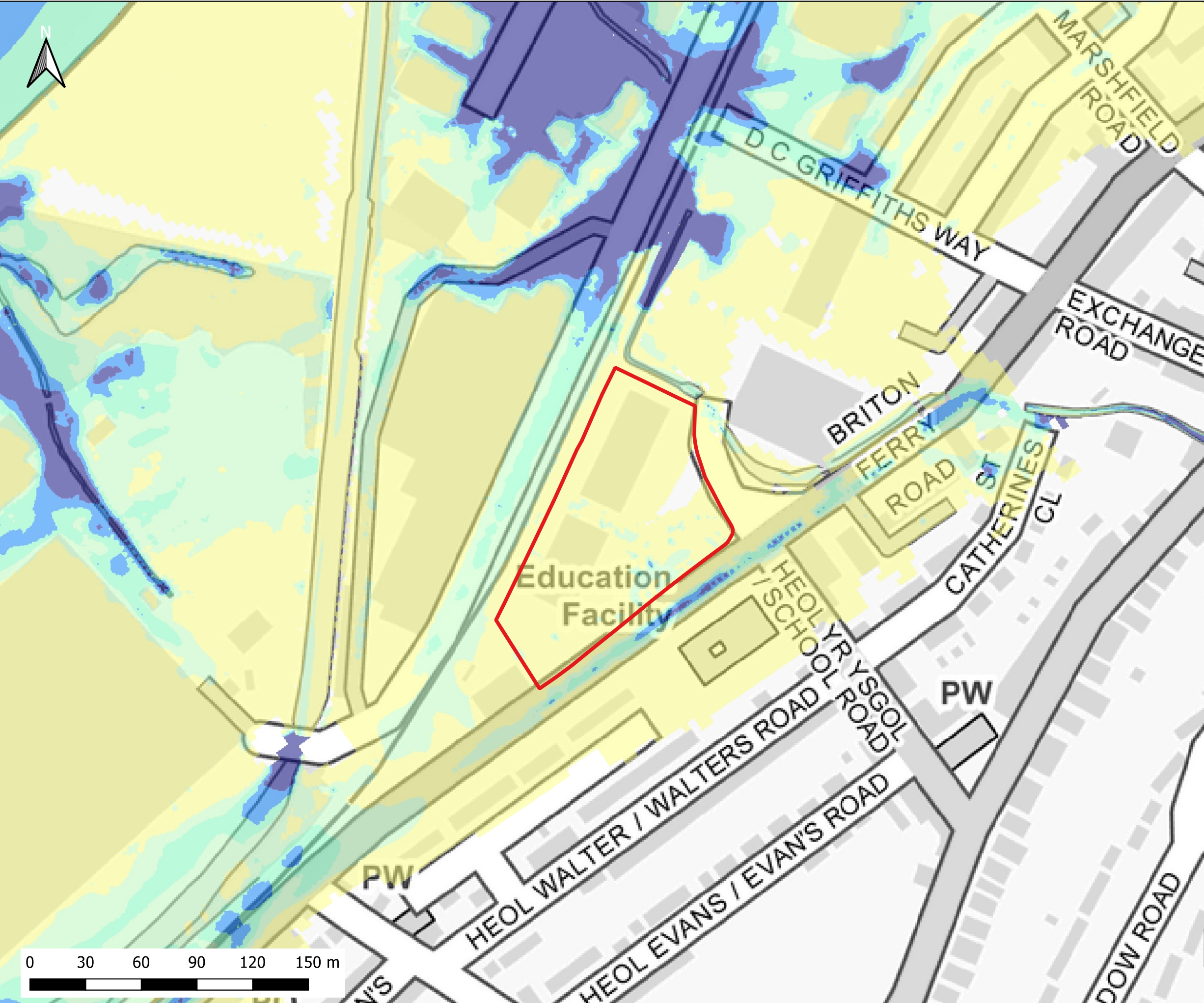
PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T1000_DEV_NC_V	-



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

LEGEND

Site Boundary

Maximum 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:

Briton Ferry Road, Neath

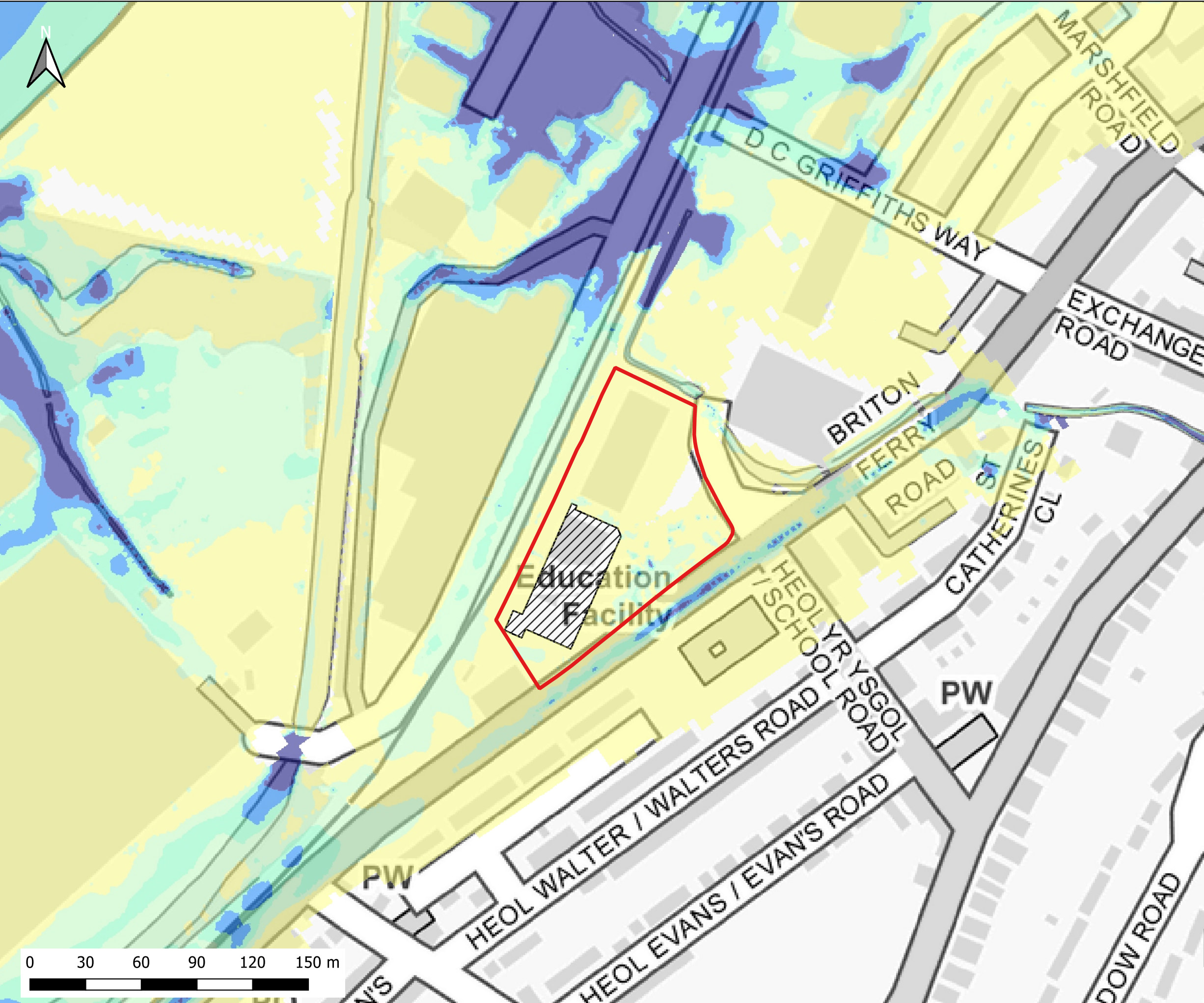
PLOT TITLE:

Maximum Flood Velocity
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

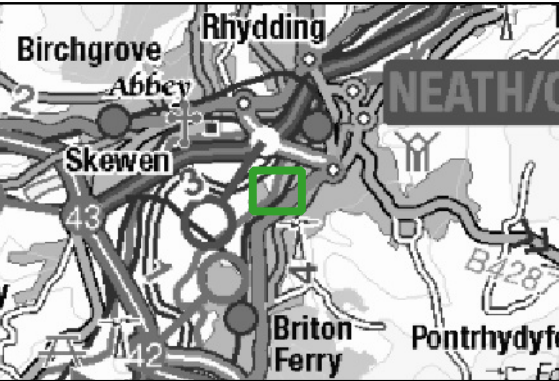
PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_EXG_NC_V	-



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

LEGEND

- Site Boundary
- Proposed Store Extension
- Maximum Velocity (m/s)**
 - 0.0 - 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - > 1.2



SCHEME:

Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS:	FINAL	DATE:	08-06-2022
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DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_DEV_NC_V	-



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

LEGEND

Site Boundary

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 2% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T50_EXG_NC_HZ	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

waterco

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

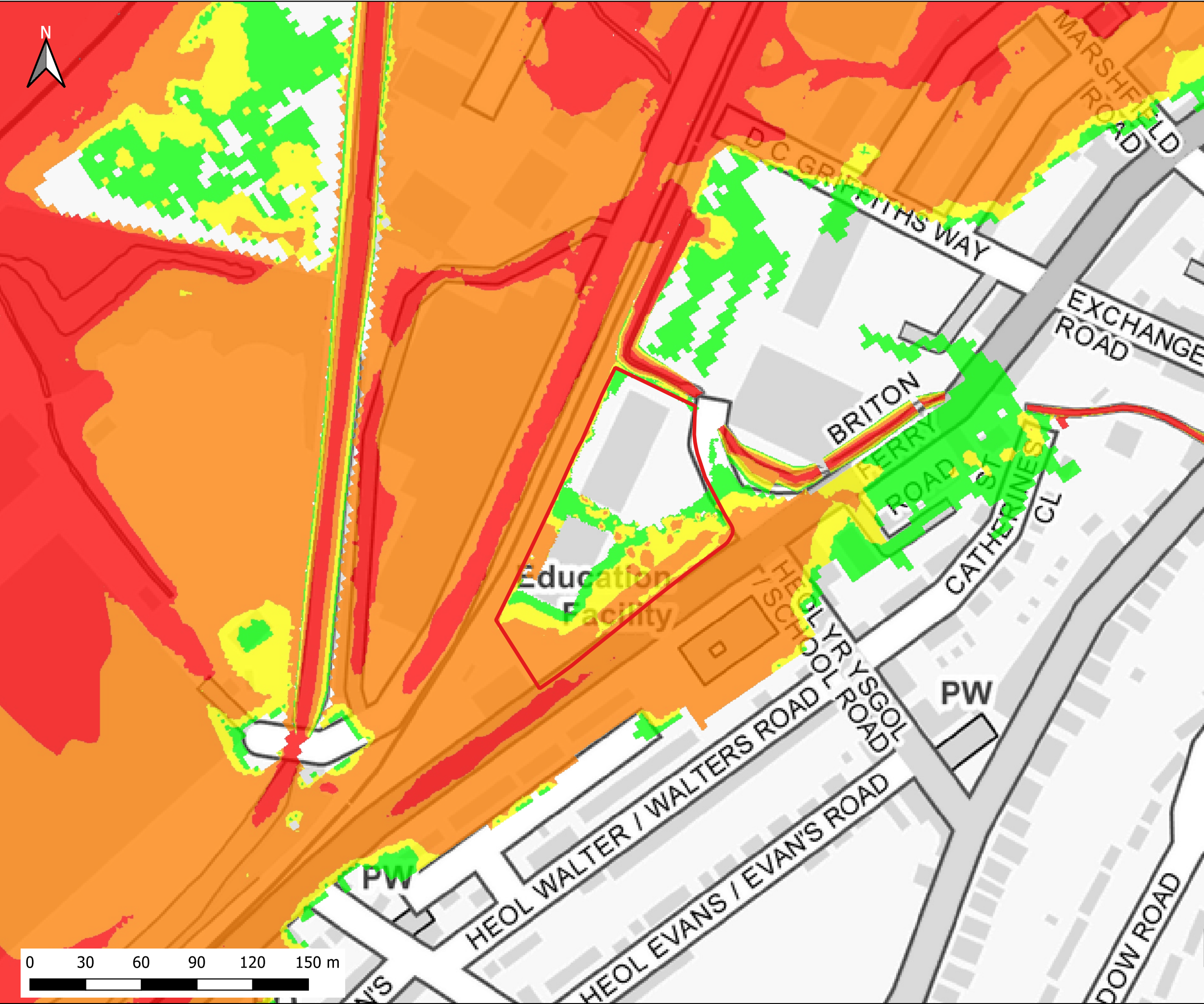
PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 2% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T50_DEV_NC_HZ	-



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

LEGEND

Site Boundary

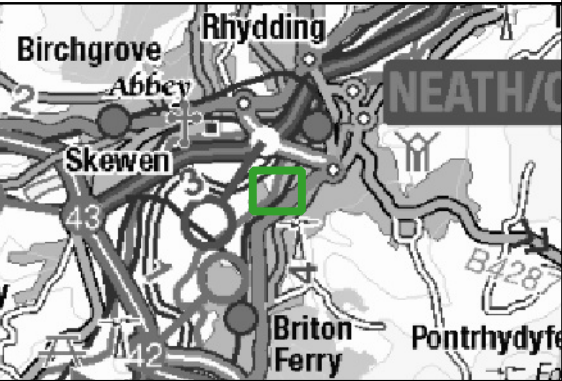
Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All



CLIENT:



SCHEME:

Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Existing Site Layout (EXG)

PLOT STATUS:

FINAL

DATE:

08-06-2022

DRAWN:

MF

CHECKED:

SB

APPROVED:

AW

PLOT SCALE AT A3:

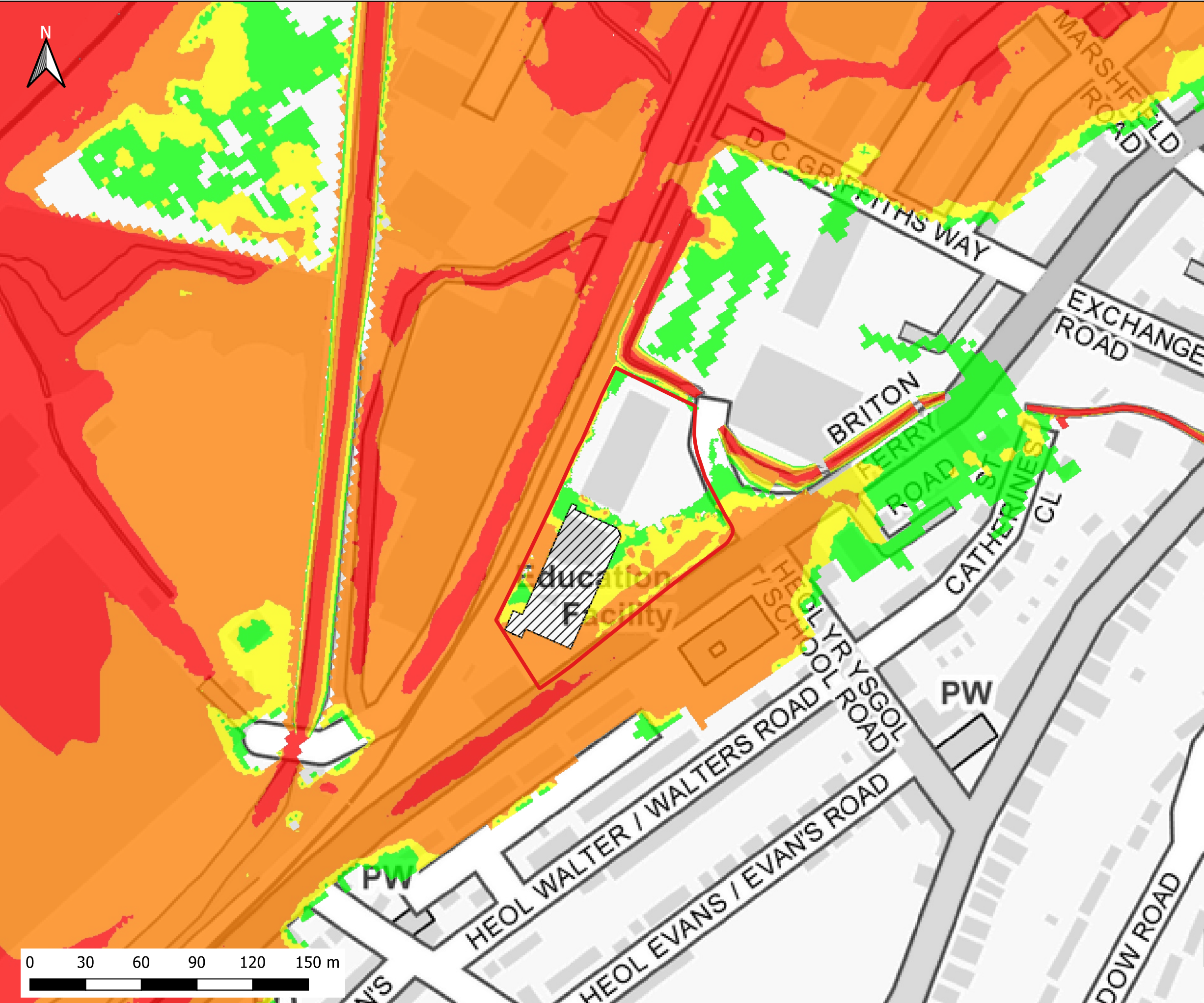
1:2000

PLOT NAME:

13099-Q2CC30_T50_2100_EXG_NC_HZ

REVISION:

-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

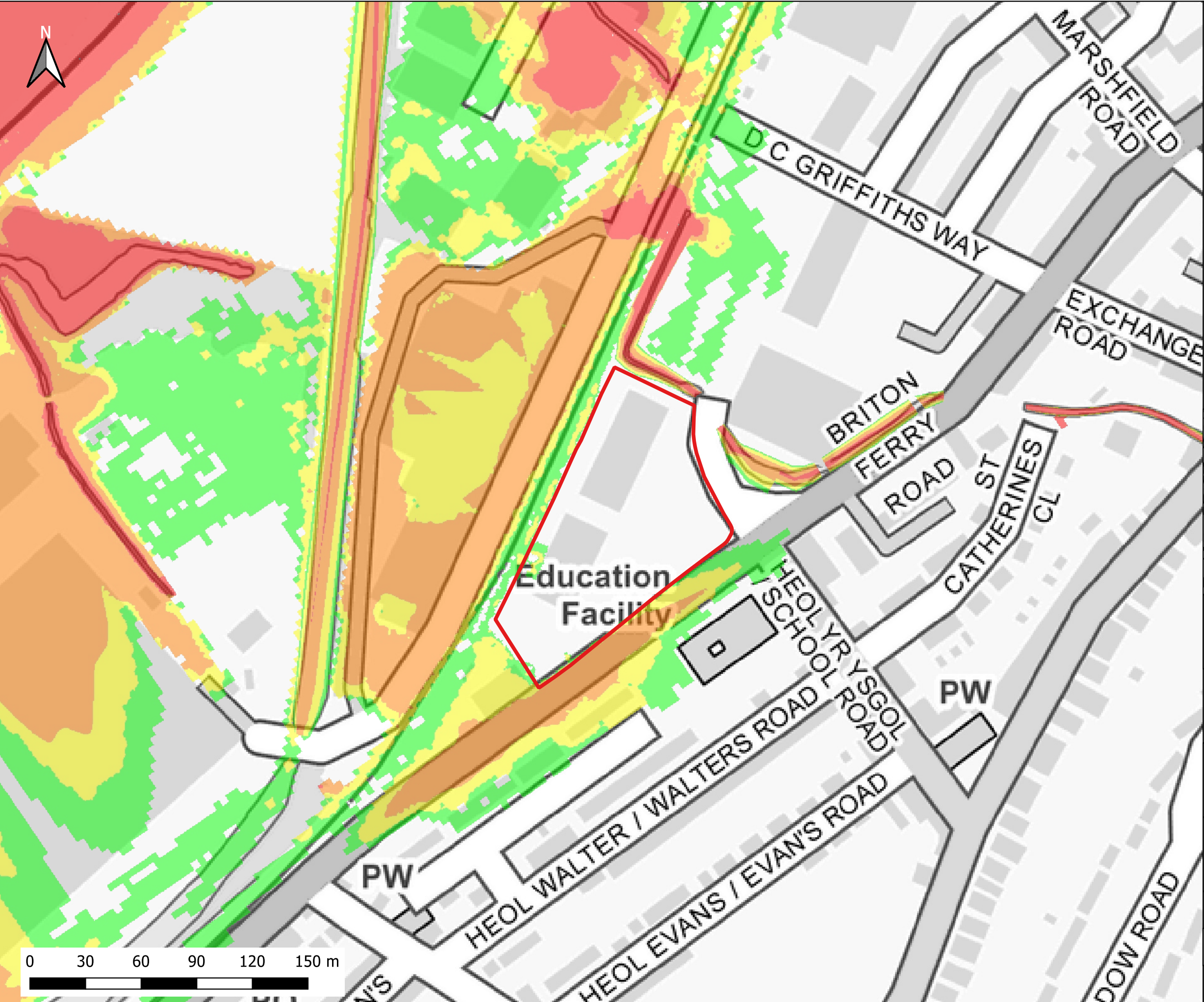
PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T50_2100_DEV_NC_HZ	-



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

LEGEND

Site Boundary

Maximum Flood Hazard Rating (FD2320)

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

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

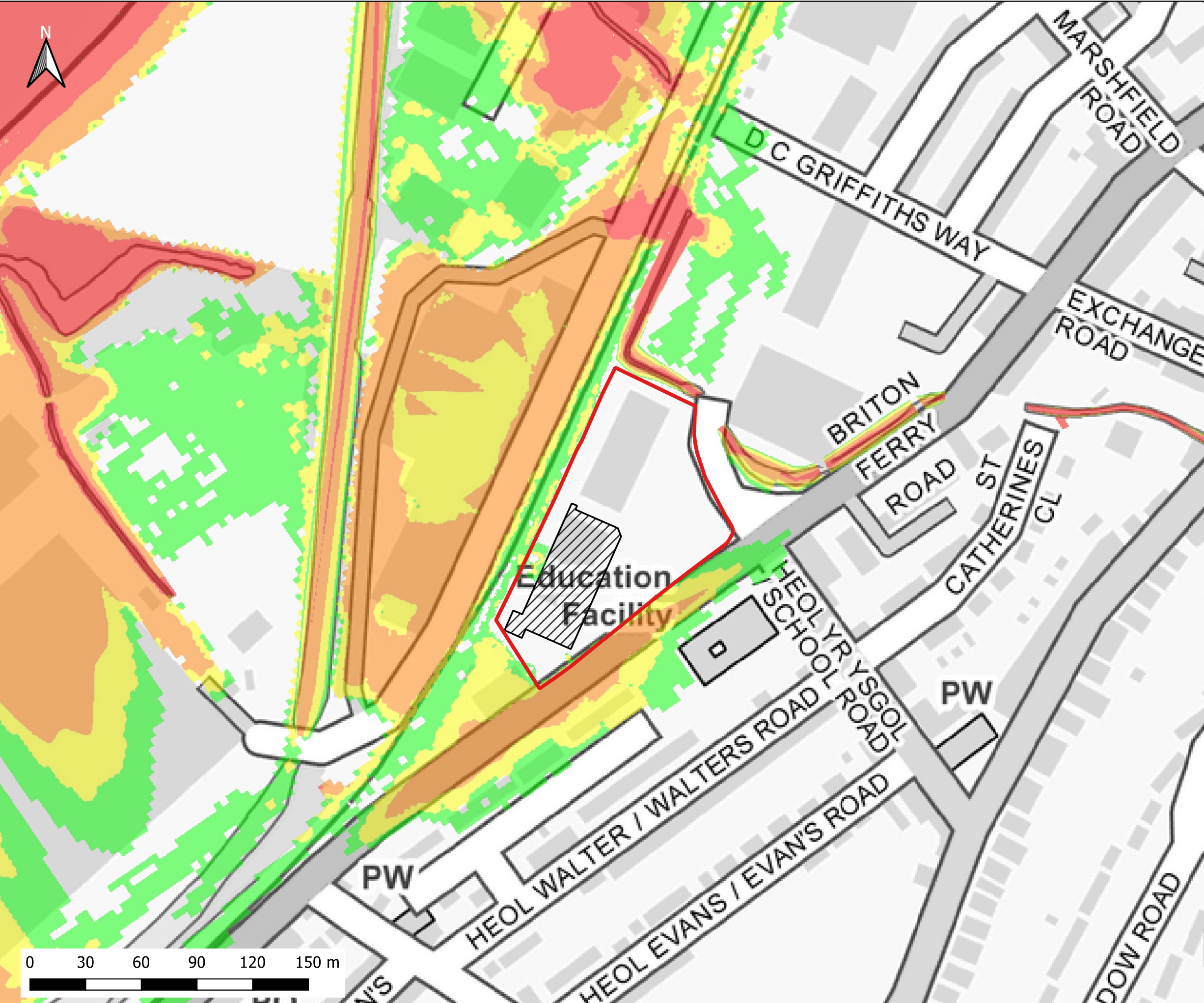
PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 0.5% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T200_EXG_NC_HZ	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

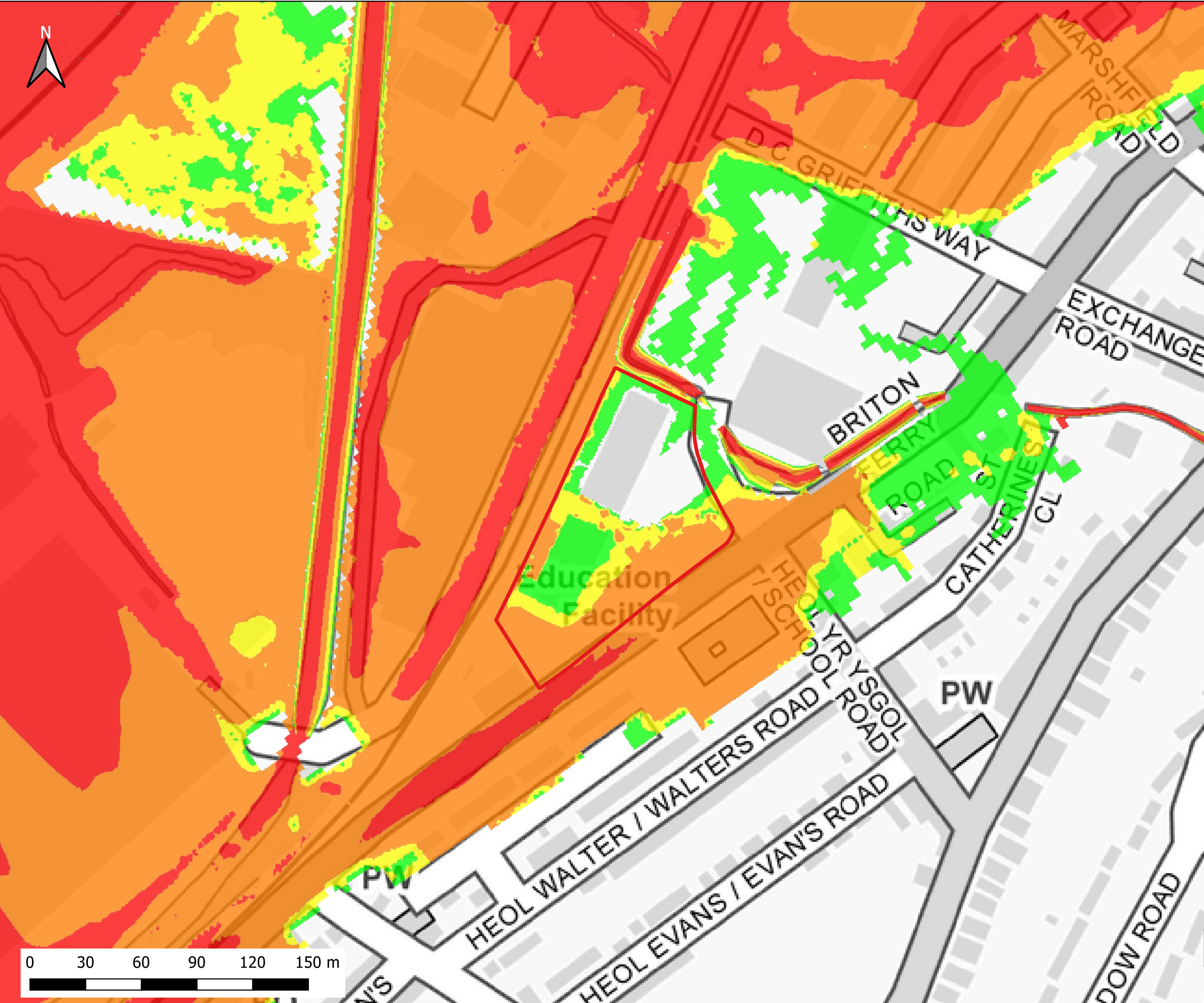
PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 0.5% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T200_DEV_NC_HZ	-



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

LEGEND

Site Boundary

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

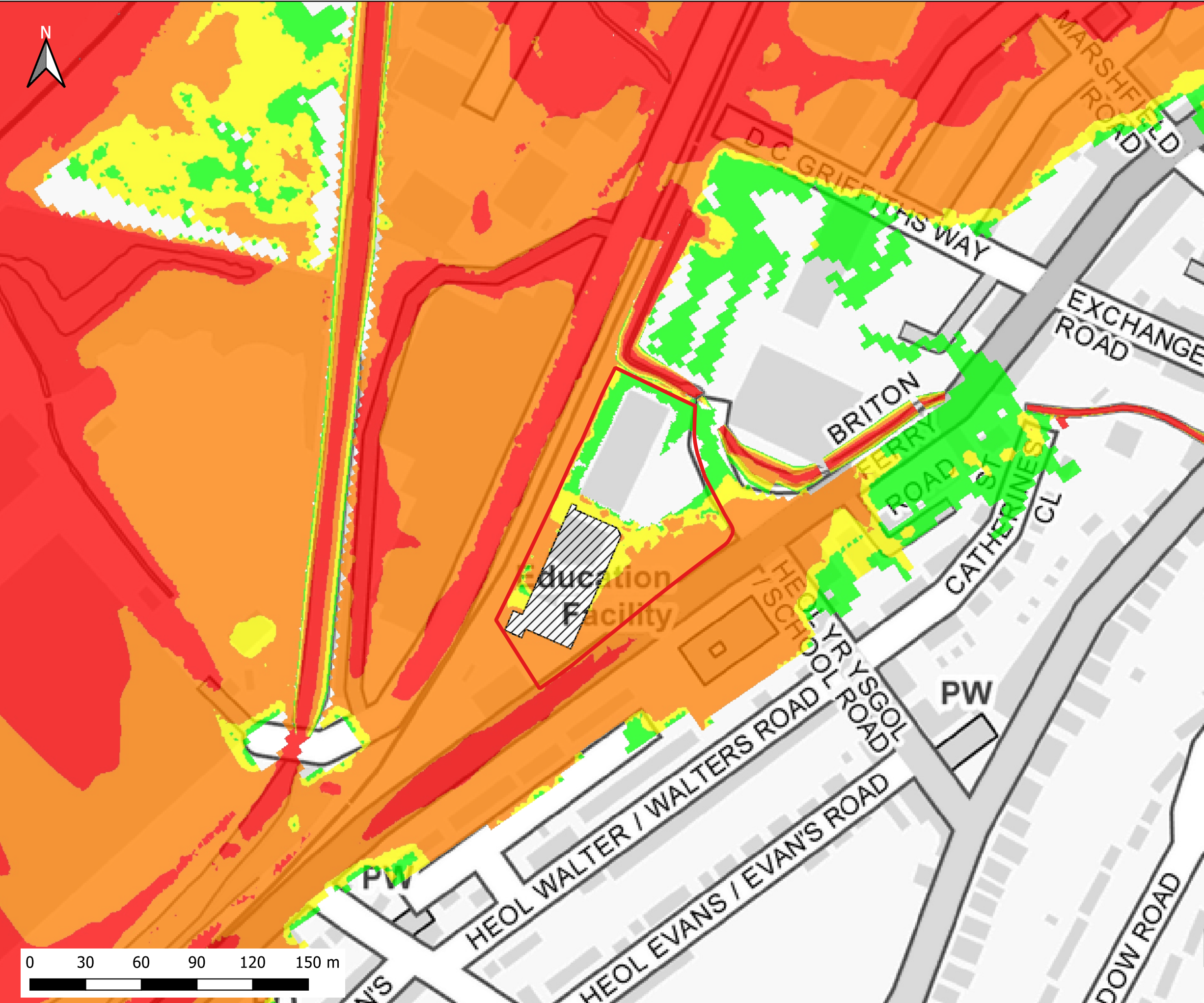
PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 0.5% AEP Tidal Event
2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T200_2100_EXG_NC_HZ	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

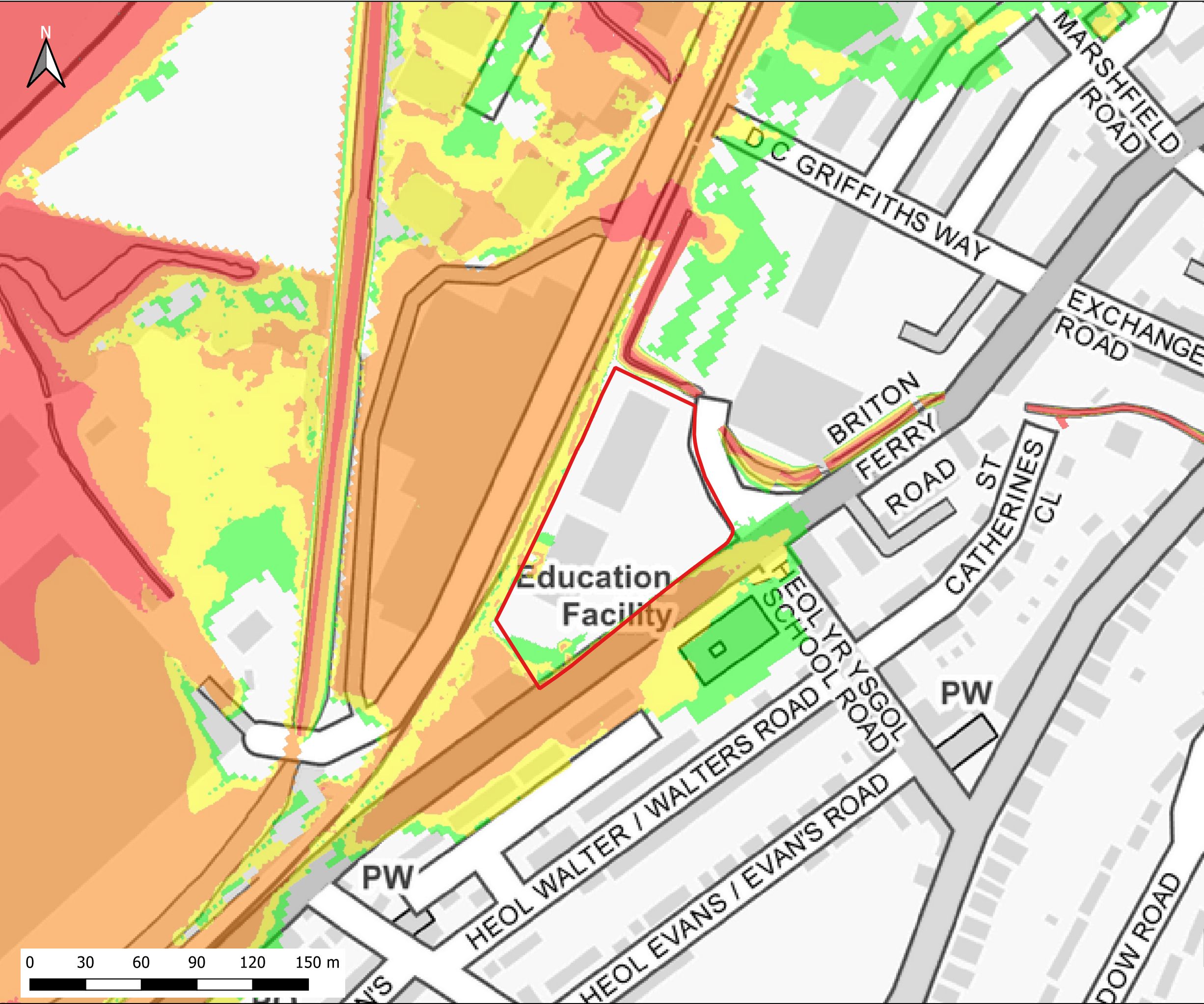
PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 0.5% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T200_2100_DEV_NC_HZ	-



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

LEGEND

Site Boundary

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

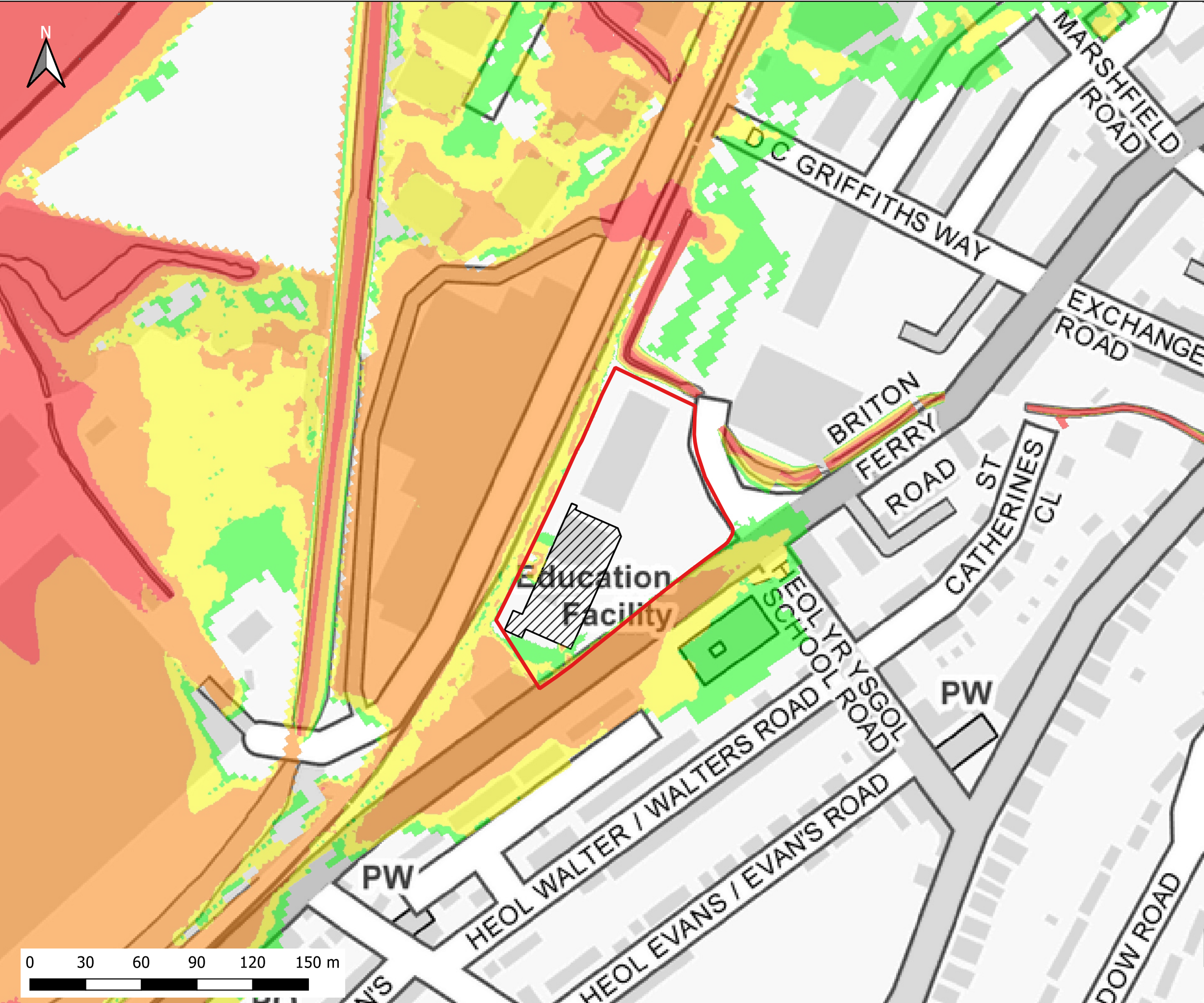
PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 0.1% AEP Tidal Event 2022
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2_T1000_EXG_NC_HZ	-



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

LEGEND

Site Boundary

Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

waterco
www.waterco.co.uk

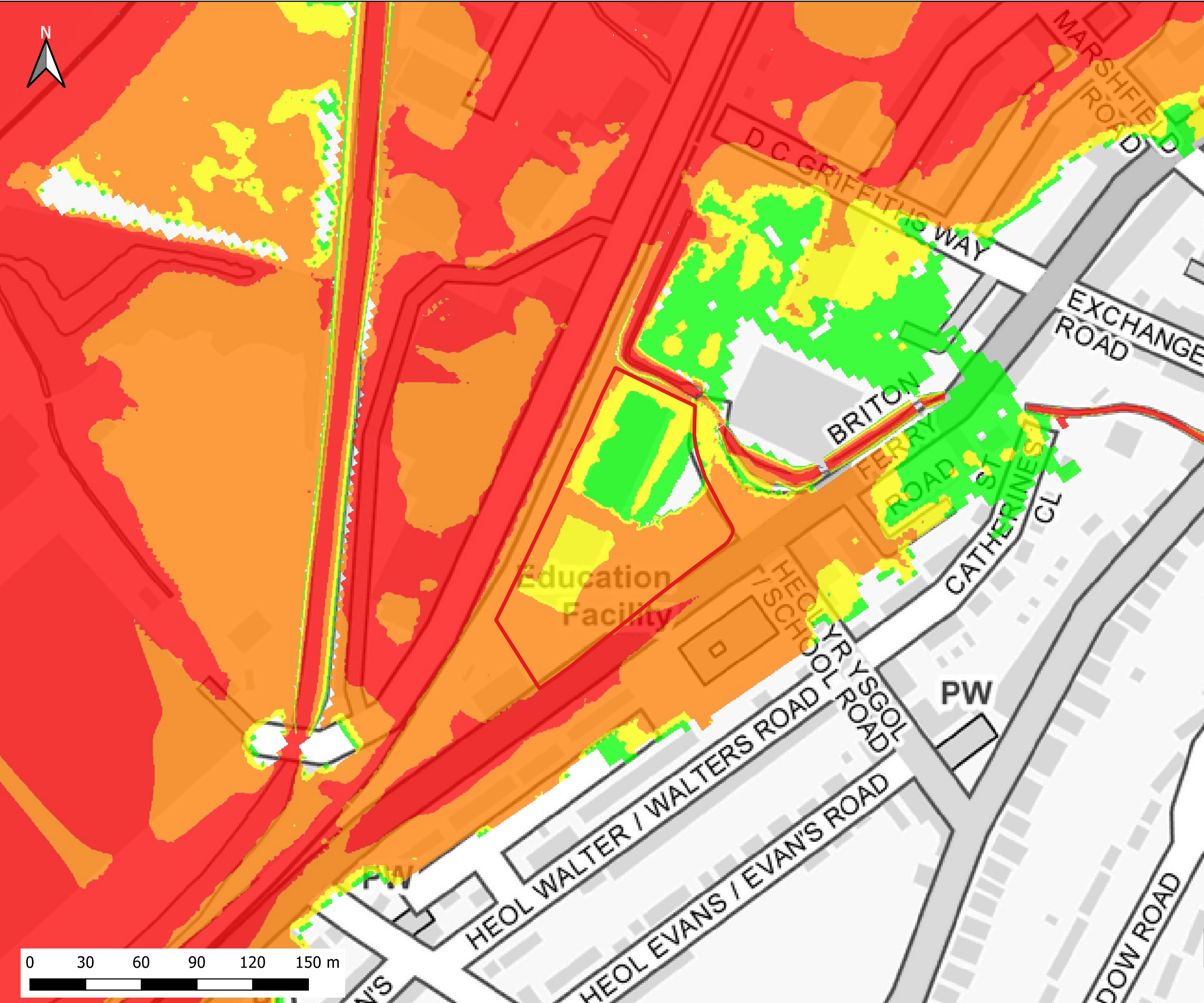
SCHEME:

Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000
PLOT NAME:			REVISION:
13099-Q2_T1000_DEV_NC_HZ			-



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

LEGEND

Site Boundary

Maximum Flood Hazard Rating (FD2320)

Caution

Danger for Some

Danger for Most

Danger for All

CLIENT:

www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

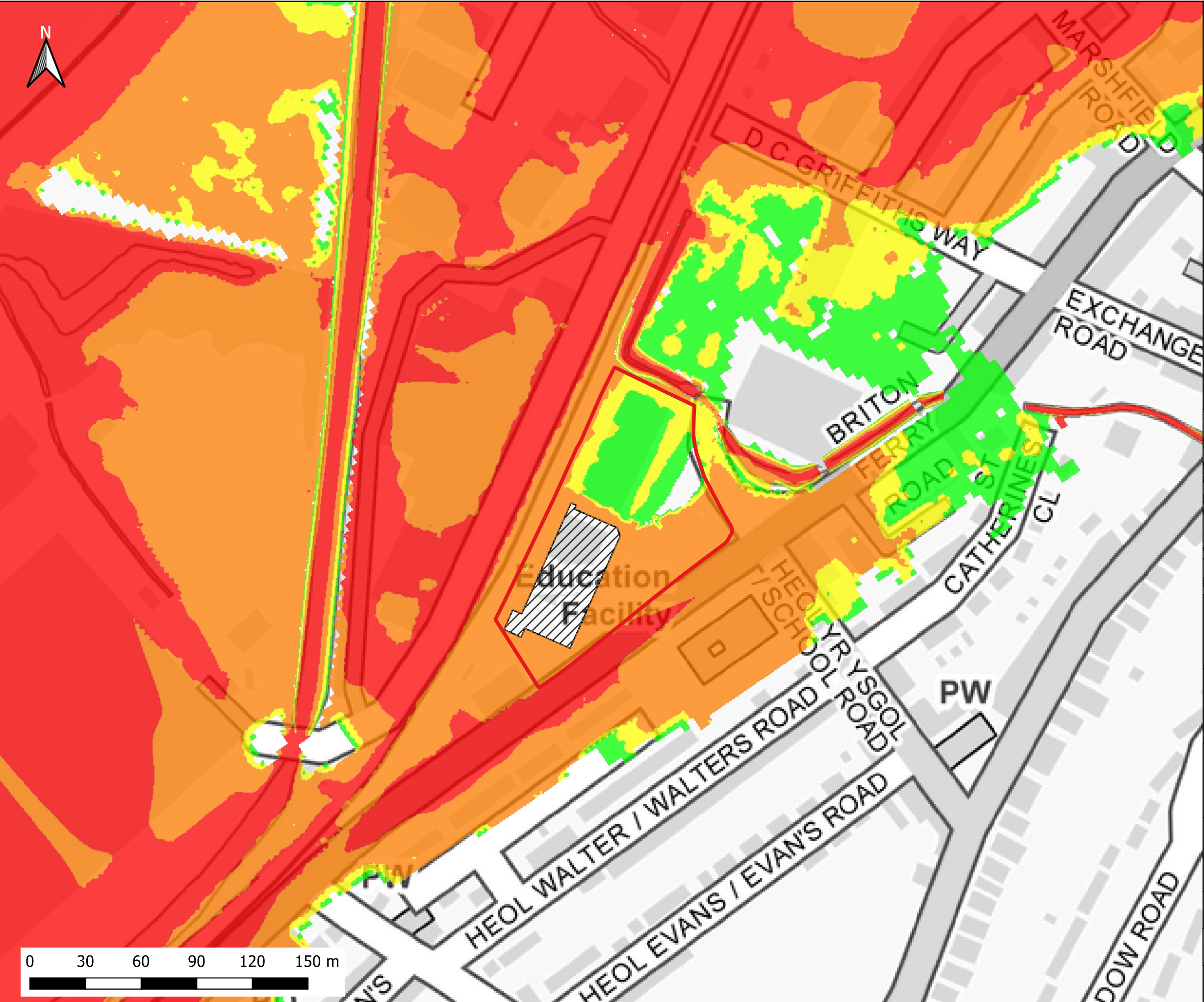
PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Existing Site Layout (EXG)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_EXG_NC_HZ	-



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

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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

CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Briton Ferry Road, Neath

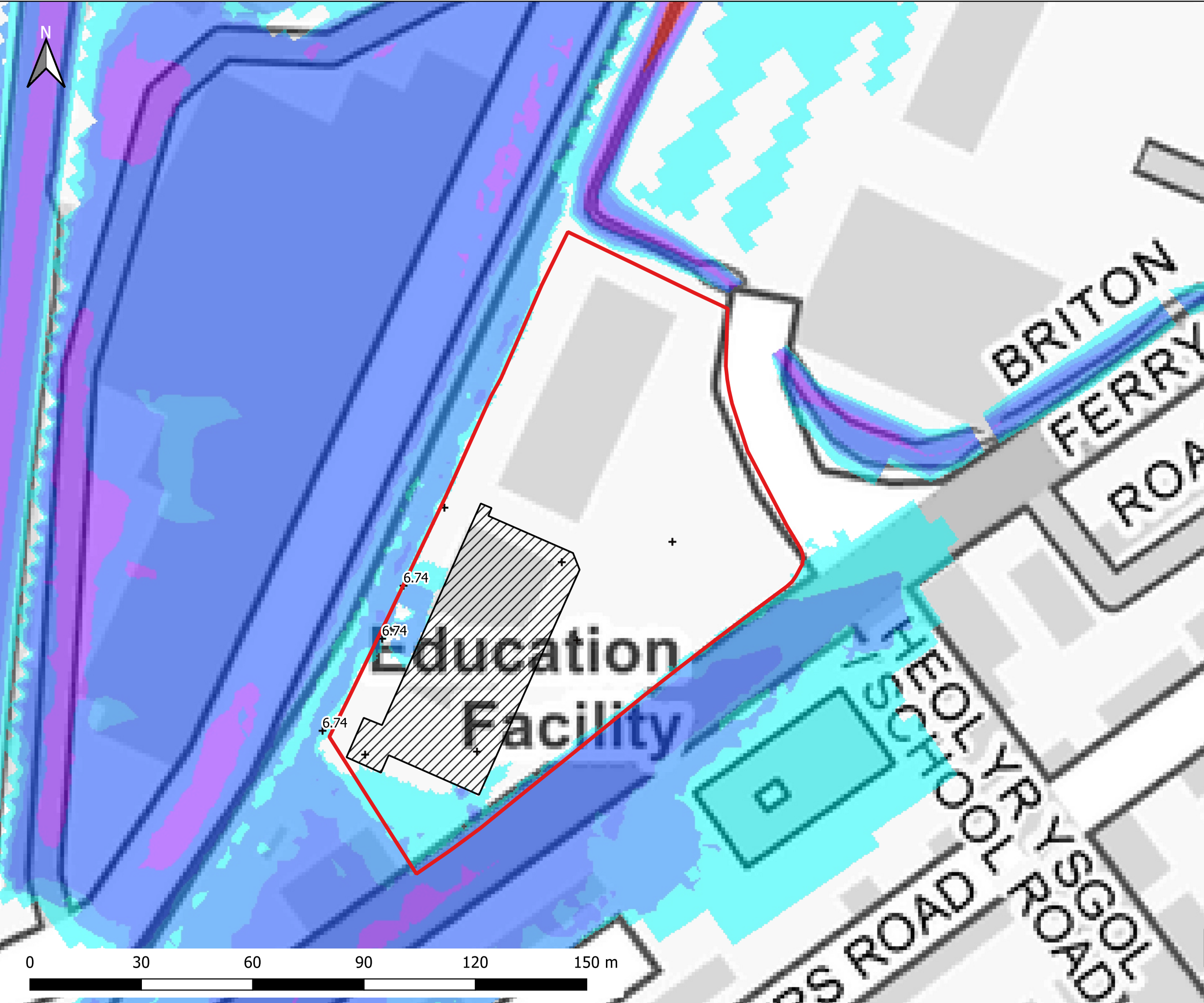
PLOT TITLE:

Maximum Flood Hazard
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS:		DATE:	
FINAL		08-06-2022	

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
MF	SB	AW	1:2000

PLOT NAME:	REVISION:
13099-Q2CC30_T1000_2100_DEV_NC_HZ	-



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

LEGEND

- Site Boundary
- Maximum Flood Depth (m)**
 - ≤ 0.3m
 - 0.3m - 0.6m
 - 0.6m - 1.2m
 - 1.2m - 2.4m
 - > 2.4m
- + Maximum Water Level AOD (m)

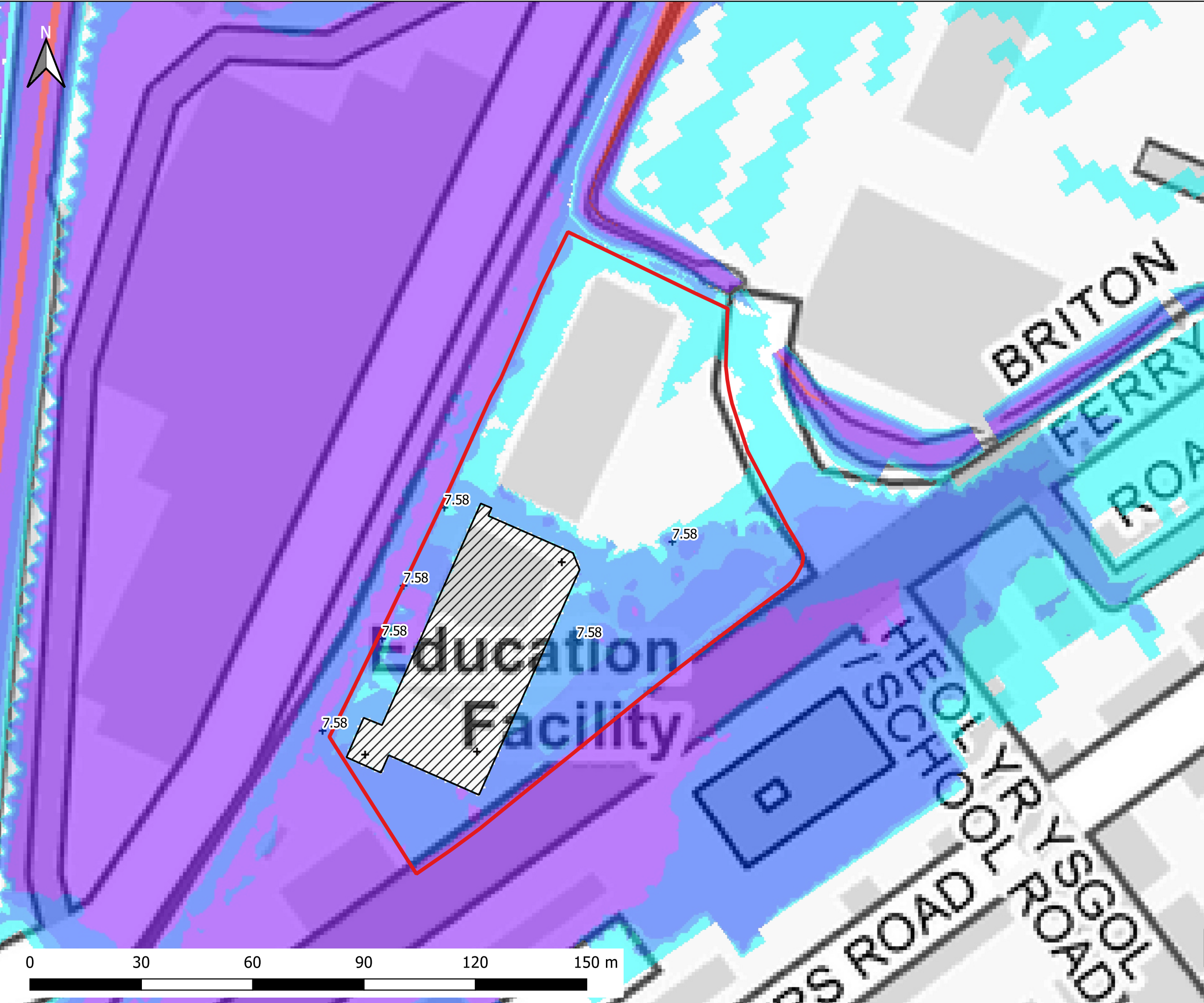
CLIENT:

www.waterco.co.uk

SCHEME:
Briton Ferry Road, Neath

PLOT TITLE:
Maximum Water Level
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)

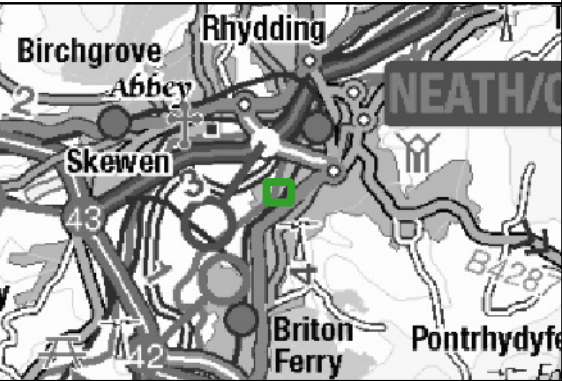
PLOT STATUS: FINAL			DATE: 08-06-2022
DRAWN: MF	CHECKED: SB	APPROVED: AW	PLOT SCALE AT A3: 1:1000
PLOT NAME: 13099-Q1000_2022_DEV_WL			REVISION: -



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

LEGEND

- Site Boundary
- Maximum Flood Depth (m)**
 - <= 0.3m
 - 0.3m - 0.6m
 - 0.6m - 1.2m
 - 1.2m - 2.4m
 - > 2.4m
- + Maximum Water Level AOD (m)



CLIENT:



SCHEME:

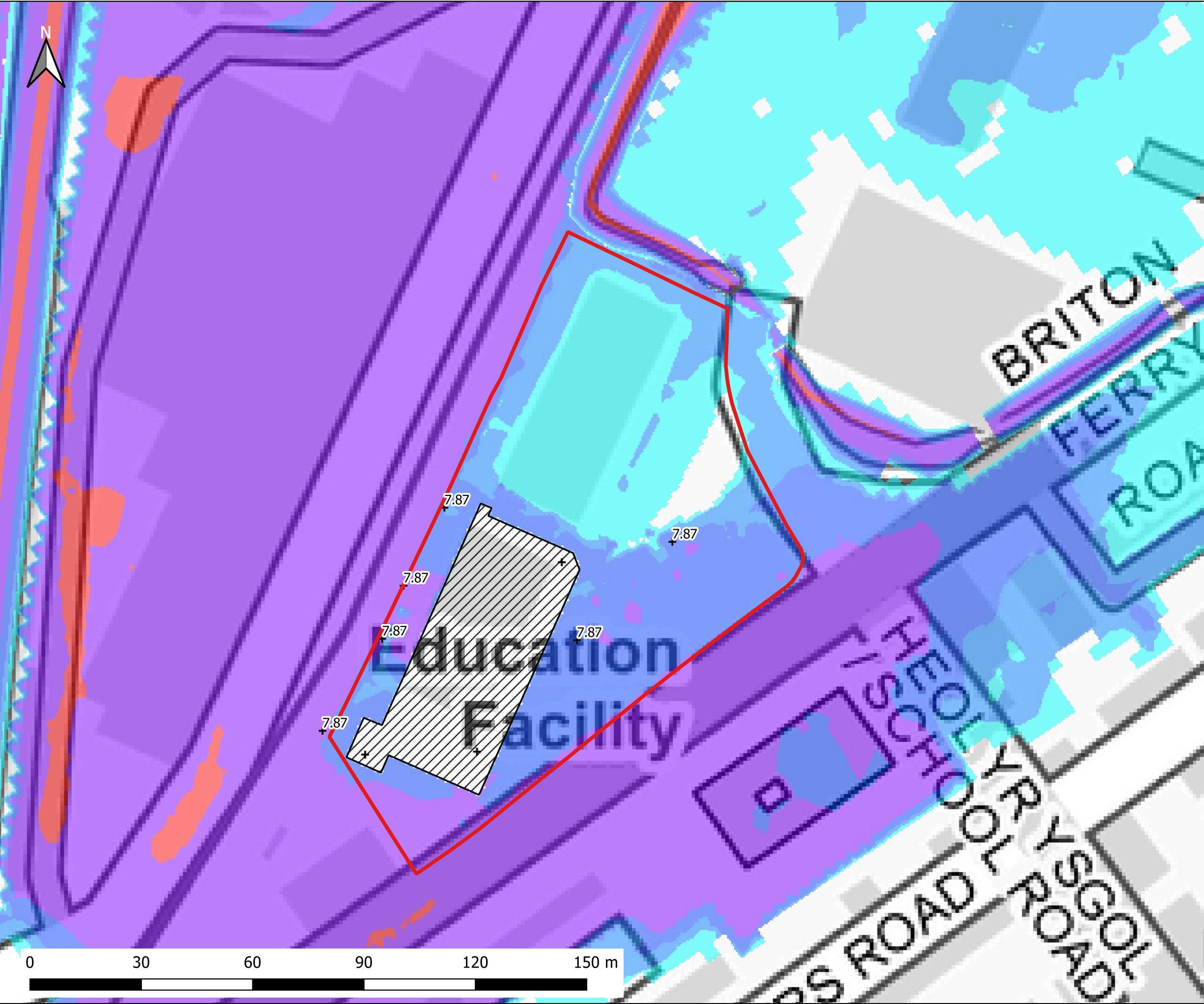
Briton Ferry Road, Neath

PLOT TITLE: Maximum Water Level
50%+CC30 AEP Plus 0.5% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS: FINAL		DATE: 08-06-2022
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DRAWN: MF	CHECKED: SB	APPROVED: AW	PLOT SCALE AT A3: 1:1000
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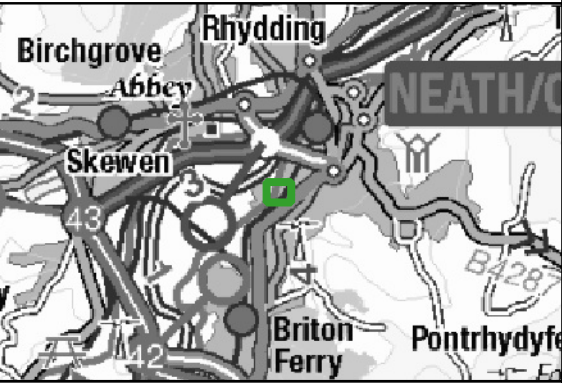
PLOT NAME: 13099-Q2CC30_T200_2100_DEV_WL	REVISION: -
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Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

-  Site Boundary
- Maximum Flood Depth (m)**
-  ≤ 0.3m
 -  0.3m - 0.6m
 -  0.6m - 1.2m
 -  1.2m - 2.4m
 -  > 2.4m
-  Maximum Water Level AOD (m)



CLIENT:



SCHEME:

Briton Ferry Road, Neath

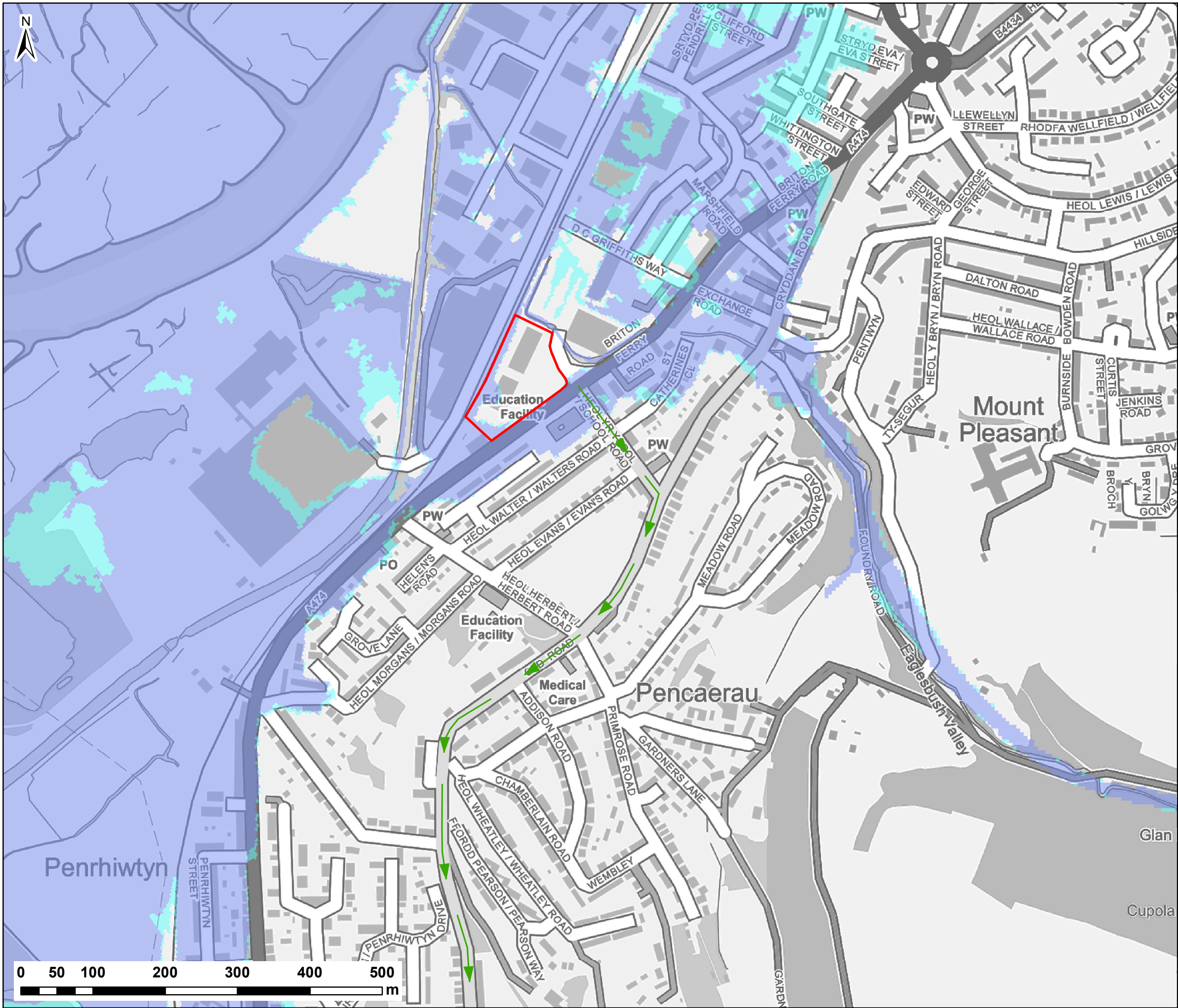
PLOT TITLE: Maximum Water Level
50%+CC30 AEP Plus 0.1% AEP Tidal Event
2100
Development Site Layout (DEV)

PLOT STATUS: FINAL		DATE: 08-06-2022
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DRAWN: MF	CHECKED: SB	APPROVED: AW	PLOT SCALE AT A3: 1:1000
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PLOT NAME: 13099-Q2CC30_T1000_2100_DEV_WL	REVISION: -
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Appendix I Flood Evacuation Plan



NOTES:
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

LEGEND

- Site Boundary
- Flood Evacuation Route
- NRW Flood Zone 3
- NRW Flood Zone 2

CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:
LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:
FLOOD EVACUATION PLAN

PLOT STATUS: FINAL			DATE: 04/10/2021
DRAWN: VJ	CHECKED: AW	APPROVED: VG	PLOT SCALE @ A3: 1:5,000 (UNLESS STATED OTHERWISE)
PLOT NAME: 13099-Flood_Evacuation_Plan			REV: -

Appendix J ReFH2 Runoff Rates

DOCUMENT VERIFICATION RECORD	
Project:	Lidl, Briton Ferry Road, Neath
Client:	Lidl GmbH
Report Title:	Flood Consequences Assessment & Drainage Strategy
Date:	22 nd October 2021

DOCUMENT REVIEW & APPROVAL	
Author:	Anthony Jones BSc (Hons) MSc
Checker:	Johanne Williams LLB (Hons) PGDip MCIWEM
Approver:	Aled Williams BSc (Hons) MCIWEM

ReFH2 RUNOFF RATES*		
Return Period (Years)	Urbanised Peak Flow (l/s)	As-rural Peak Flow (l/s)
1	17.14	8.70
2	19.20	9.74
5	25.77	13.08
10	30.36	15.44
30	37.80	19.35
50	41.50	21.32
75	44.65	23.01
100	47.06	24.32
200	53.77	27.98
1000	81.72	43.83

*Runoff Rates printed from the ReFH Flood Modelling software package

Appendix K MicroDrainage Estimate

Waterco Ltd					Page 1																																																																																																						
Eden Court Lon Parcwr Business Park Denbighshire LL15 1NJ		13099- Lidl, Briton Ferry Road Neath 1 in 100 year plus 40% CC																																																																																																									
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Date 07/01/2021 File 13099-1 in 100yr +40%CC...	Designed by AJ Checked by AW	
XP Solutions		Source Control 2020.1.3

Model Details

Storage is Online Cover Level (m) 10.000

Tank or Pond Structure

Invert Level (m) 9.700

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	2190.0	0.400	2190.0

Hydro-Brake® Optimum Outflow Control

Unit Reference	MD-SHE-0146-8700-0300-8700
Design Head (m)	0.300
Design Flow (l/s)	8.7
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	146
Invert Level (m)	9.695
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.300	8.7
Flush-Flo™	0.196	8.7
Kick-Flo®	0.271	8.3
Mean Flow over Head Range	-	6.1

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

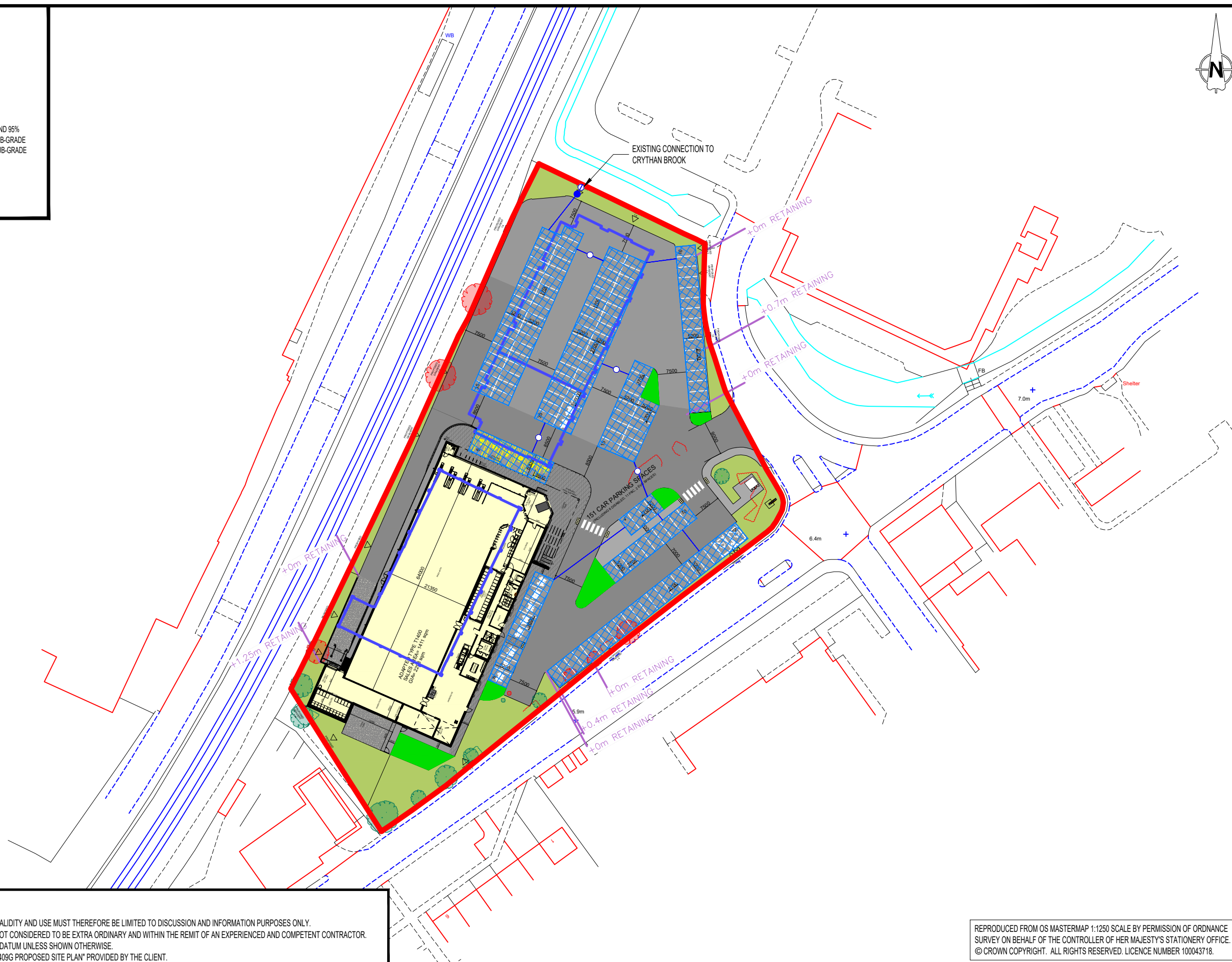
Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.3	0.600	12.1	1.600	19.2	2.600	24.3
0.200	8.7	0.800	13.8	1.800	20.3	3.000	26.0
0.300	8.7	1.000	15.4	2.000	21.4	3.500	27.8
0.400	10.0	1.200	16.8	2.200	22.4	4.000	29.8
0.500	11.1	1.400	18.0	2.400	23.3	4.500	31.6

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Appendix L Concept Drainage Sketch

	PROPOSED SURFACE WATER DRAIN
	PROPOSED HYDROBRAKE CHAMBER OR SIMILAR DEVICE LIMITING DISCHARGE RATE TO 8.7 L/S
	PROPOSED SURFACE WATER INSPECTION CHAMBER
	PROPOSED RAIN GARDENS
	PROPOSED PERMEABLE PAVING WITH A SUB-GRADE OF 0.3m AND 95% VOID RATIO TO PROVIDE IN EXCESS OF 72m ³ OF STORAGE. SUB-GRADE DEPTH OF 0.84m REQUIRED FOR STONE / MOT TYPE 1 STYLE SUB-GRADE



1. THIS SKETCH HAS NOT BEEN SUBJECT TO FORMAL CHECKS OR APPROVALS. ITS VALIDITY AND USE MUST THEREFORE BE LIMITED TO DISCUSSION AND INFORMATION PURPOSES ONLY.
2. UNLESS OTHERWISE NOTED THE RISKS ASSOCIATED WITH THIS PROPOSAL ARE NOT CONSIDERED TO BE EXTRA ORDINARY AND WITHIN THE REMIT OF AN EXPERIENCED AND COMPETENT CONTRACTOR.
3. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
4. THIS SKETCH IS AN AMENDMENT OF THE ORIGINAL DRAWING "BRITON FERRY PSK409G PROPOSED SITE PLAN" PROVIDED BY THE CLIENT.

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BRITON FERRY ROAD, NEATH

CONCEPT DRAINAGE SKETCH

V JONES

10-01-2022

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Appendix M Maintenance Schedule

Operation and Maintenance Requirements for Bioretention Systems

Maintenance Schedule	Required Action	Typical Frequency
Regular inspections	Inspect infiltration surfaces for silting and ponding, record de-watering time of the facility and assess standing water levels in underdrain (if appropriate to determine if maintenance is necessary)	Quarterly
	Check operation of underdrains by inspection of flows after rain	Annually
	Assess plants for disease infection, poor growth, invasive species etc. and replace as necessary	Quarterly
	Inspect inlets and outlets for blockage	Quarterly
Regular maintenance	Remove litter and surface debris and weeds	Quarterly (or more frequently for tidiness or aesthetic reasons)
	Replace any plants, to maintain planting density	As required
	Remove sediment, litter and debris build-up from around inlets or from forebays	Quarterly to biannually
Occasional maintenance	Infill any holes or scour in the filter medium, improve erosion protection if required	As required
	Repair minor accumulations of silt by raking away surface mulch, scarifying surface of medium and replacing mulch	As required
Remedial actions	Remove and replace filter medium and vegetation above	As required but likely to be > 20 years

Ref. Table 18.3, CIRIA C753 'The SuDS Manual'

The maintenance requirements detailed above are to be undertaken by the site owner.

Name :

Position :

Date :

Signed on behalf of the site owner :

Operation and Maintenance Requirements for Permeable Paving

Maintenance Schedule	Required Action	Typical Frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and move contributing and adjacent areas	As required
	Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required – once per year on less frequently used pavements
Remedial actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50mm of the level or the paving	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Inspect for evidence of poor operation and / or weed growth – if required, take remedial action	Three-monthly, 48hr after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually

Ref. Table 20.15, CIRIA C753 'The SuDS Manual'

The maintenance requirements detailed above are to be undertaken by the site owner.

Name :

Position :

Date :

Signed on behalf of the site owner :

Appendix N Concept Designer's Risk Assessment

Project: Lidl, Briton Ferry Road, Neath
Client: Lidl GmbH
Report Reference: FCA & Drainage Strategy

Project No: 13099

Prepared by: Anthony Jones
Checked by: Johanne Williams
Reviewed by: Aled Williams

Date: 21/10/2021
Date: 22/10/2021
Date: 25/10/2021

Requirement:

The Construction (Design and Management) Regulations 2015 (CDM 2015) place an obligation on the Designer to take all reasonable steps to provide, with the design, sufficient information about the design, construction or maintenance of the structure, to adequately assist the client, other designers and contractors to comply with their duties under CDM. The Designer has undertaken this assessment to identify any extra-ordinary risks, or those that would not be expected on this particular project by an experienced and competent Contractor. The aim is to avoid needless paperwork and bureaucracy and ensure the assessment is project specific, relevant and proportionate to the risk.

DRA Summary

Each of the following risk areas has been considered using the question below. Is a risk present which is considered to be **extra-ordinary or unexpected** in this instance?

If **YES** - A detailed risk assessment is required at design stage

If **UNKNOWN** - Insufficient information has been provided at concept design stage and the risks are unknown. Further consideration must be given at design stage(s)

If **NO** - No further action is required.

Hazard Ref.	Risk Areas	YES, UNKNOWN or NO	Comments
1	Ground Conditions	Unknown	
2	Hazardous Environment	Unknown	
3	Existing Working Environment	Unknown	
4	Existing Services	Yes	Existing utilities on site
5	Proximity to Other Structure(s)	Yes	Railway line borders the site
6	Near Waterbody / flood risk	Yes	Site bordered by Crythan Brook. Site identified at flood risk.
7	Proximity to Other Activities	Unknown	
8	Sequence of Construction	Unknown	
9	Access	Unknown	
10	Interfaces	Unknown	
11	Confined Space Working	Unknown	
12	Maintenance Considerations	Unknown	
13	Working at Height	Unknown	
14	Steep Slopes	Unknown	
15	Demolition / Refurbishment / Repair	Yes	Existing units to be demolished
16	Welfare	Unknown	
17	Occupational Health	Unknown	
18	Environmental Issues	Unknown	
19	Other Significant Hazards not Identified Above	Unknown	
20	Residual Risk to Future Users	Unknown	