

Lidl, Briton Ferry Road, Neath

Flood Warning and Evacuation Plan

April 2025

Project Information	
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Approval Record	
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Introduction

This Flood Warning and Evacuation Plan (FWEP) sets out how to prepare for and respond to a flood event. This FWEP has been prepared for the replacement Lidl Store at Briton Ferry Road, Neath, SA11 1AS. A site location plan and aerial image are included in Appendix A.

Understanding the Flood Risk

The nearest watercourse is Crythan Brook which is located immediately north of the site. Crythan Brook flows north-west in this location and joins the Neath Canal approximately 350m north of the site. Neath Canal is located 115m west of the site at its nearest point. The River Neath is located approximately 370m north-west of the site and flows south-west in this location.

Fluvial flooding could occur if the River Neath or Crythan Brook overtopped their banks during or following an extreme rainfall event. The River Neath is tidally influenced in this area and tidal flooding could occur from the River Neath overtopping its banks during extreme tidal conditions.

Fluvial Flood Risk

As shown in Figure 1, the site is flood free during the 50% (1 in 2) Annual Exceedance Probability (AEP) plus 30% climate change (CC) event. Flooding is estimated to Briton Ferry Road which provides access to the site. Flood depths along Briton Ferry Road vary from 300mm to 600mm. The flooding mechanism is such that high water levels in the River Neath back up which leads to overtopping of Crythan Brook. Floodwater spills out of Crythan Brook onto Briton Ferry Road.

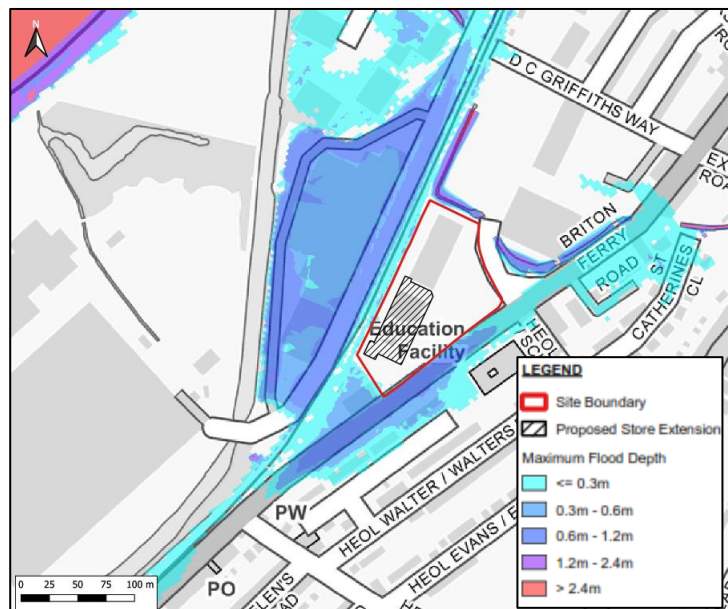
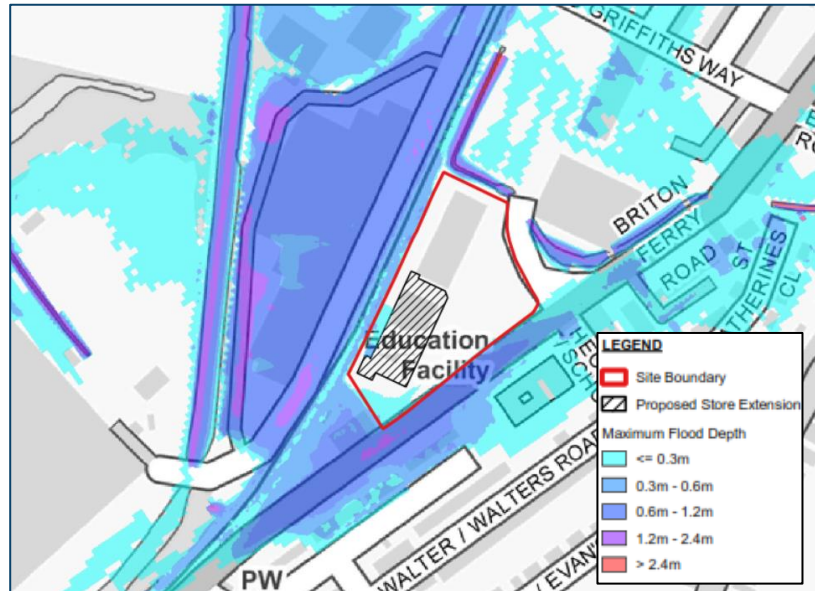
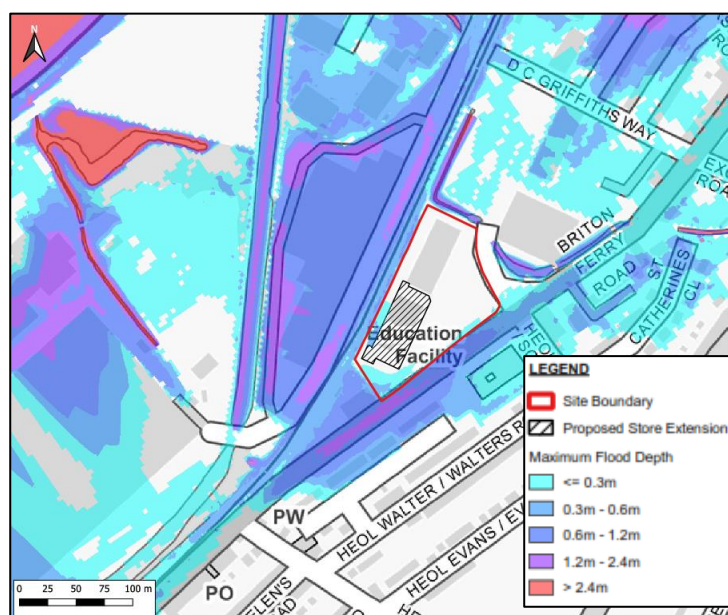


Figure 1 - Maximum Flood Depth: 50% AEP + 30% CC Fluvial Event

As shown in Figure 2, the majority of the site is flood free during the 1% (1 in 100) AEP event. Flooding is estimated to the loading bay in the western extent of the site and in the southernmost extent of the site which comprises a landscaped area. Flood depths are shallow and less than 300mm. Flooding is also estimated to Briton Ferry Road which provides access to the site. Flood depths along Briton Ferry Road vary from 300mm to 1.2m.



As shown in Figure 3, the majority of the site is flood free during the 0.1% AEP event. Flooding is estimated to the loading bay in the western extent of the site and in the southernmost extent of the site which comprises a landscaped area. Flood depths are shallow and less than 350mm. Flooding is also estimated to Briton Ferry Road which provides access to the site. Flood depths along Briton Ferry Road vary from 300mm to 1.3m.



Tidal Flood Risk

As shown in Figure 4, the majority of the site is flood free during all present-day tidal events up to and including the 0.1% AEP event. Flooding is estimated to the loading bay in the western extent of the site and in the southernmost extent of the site which comprises a landscaped area. Flood depths are shallow and less than 300mm. Flooding is also estimated to Briton Ferry Road which provides access to the site. Flood depths along Briton Ferry Road vary from 300mm to 1.2m.

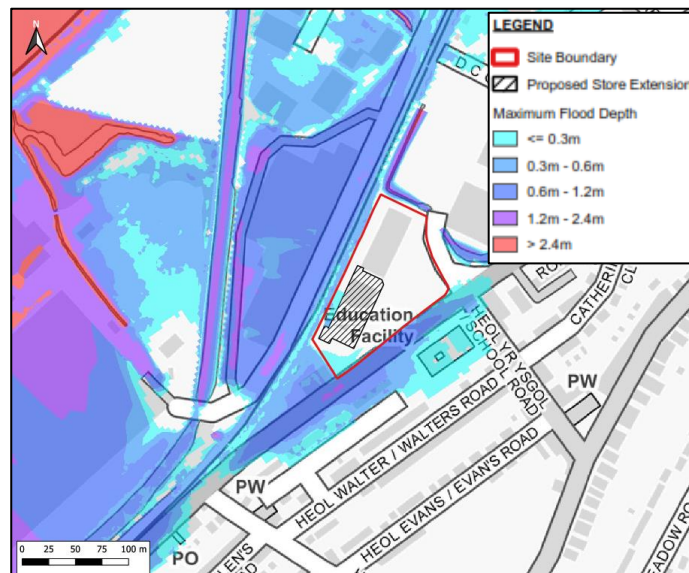


Figure 4 - Maximum Flood Depth: 0.1% AEP Tidal (Year 2022) Event

As shown in Figure 5, the site is estimated to flood during the 0.5% AEP tidal event with climate change up to the year 2100. The proposed finished floor level of the Lidl store is above estimated flood levels. Flood depths in the northern extent of the site are generally less than 150mm. Flood depths in the southern extent of the site vary from 300mm to 1.2m. Flood depths increase near the western and southern boundaries of the site.



Figure 5 - Maximum Flood Depth: 0.5% AEP Tidal (Year 2100) Event

As shown in Figure 6, the site, including the Lidl Store is estimated to flood during the 0.1% AEP tidal event with climate change up to the year 2100. Flood depths in the northern extent of the site are generally less than 300mm. Flood depths in the southern extent of the site vary from 500mm to 1.2m. Flood depths increase near the western and southern boundaries of the site.



Figure 6 - Maximum Flood Depth: 0.1% AEP Tidal (Year 2100) Event

National Guidance on Weather and Flood Alerts/Warnings

Flood Alerts and Warnings

The flood forecasting and warnings service operates in areas at risk of flooding from rivers or the sea and relies on direct measurements of rainfall, river levels, tide levels, in-house predictive models, rainfall radar data and information from the Met Office. This service operates 24 hours a day, 365 days a year.

Flood Alerts are available for the site. Flood Alerts is a free service that provides alerts direct to telephone, mobile and email.

Flood Warnings associated with flooding from the River Neath are also available. Flood Warnings is a free service that provides warnings direct to telephone, mobile and email.

Flood Alerts and Warnings are also published online and are available to view on the NRW website: flood-warning.naturalresources.wales

Registration to receive Flood Alerts/Warnings can be done online by following the link below. It is also possible to register to receive Flood Alerts/Warnings by calling Floodline on 0345 988 1188.

Register for Flood Alerts/Warnings: [Sign up to receive flood warnings \(NRW.Wales\)](https://www.nrw.wales/sign-up-to-receive-flood-warnings)

A summary of Flood Alerts and Warnings, and associated advice is provided below.

Flood Alert

A Flood Alert is issued to warn people of the possibility of flooding and to encourage them to be alert, stay vigilant and make early / low impact preparations for flooding. A Flood Alert icon is made up of a black house with 1 wavy line of water covering the bottom, all within an orange triangle.



Flood Alert

Flooding is possible - be prepared

NRW will issue a Flood Alert when the risk of flooding is lower, but possible. Flooding should be expected in low-lying land, minor roads, car parks, recreational land and farmland.

What you should do

You should regularly check if there's a Flood Alert for your area and follow the official advice. If a Flood Alert is issued, you should:

- Be ready to follow your flood plan.
- Check Flood Warnings.
- Monitor local river levels.
- Check the 5-day flood forecast.

Flood Warning

A Flood Warning is used to warn people that flooding is expected, and action should be taken immediately. A Flood Warning icon is made up of a black house with 2 wavy lines of water covering the bottom, all within a red triangle.



Flood Warning

Flooding is expected - immediate action required

NRW will issue a Flood Warning when flooding is expected and will have an impact on properties. It is also expected that travel by road and rail will be impacted, as well as extensive flooding to floodplains.

What you should do

You should regularly check if there's a Flood Warning for your area and follow the official advice. If a warning is issued, you should:

- Follow the advice in your flood plan.
- Turn off the gas, electricity and water.
- Put flood protection equipment in place.
- Evacuate to a place of safe refuge.

A Severe Flood Warning

A Severe Flood Warning means that flooding could cause danger to life and action must be taken immediately. A Severe Flood Warning icon is made up of a red house with 3 wavy lines of water covering the bottom, all within a red triangle.



NRW will issue a Severe Flood Warning when there is significant risk to life or significant disruption to the community. A Severe Flood Warning is the highest form of Flood Warning and are issued when dangerous fast flowing floods are expected/happening.

Further risk is expected from debris in the floodwater, damaged/collapsed buildings, the disabling of critical infrastructure and/or the isolation of communities by floodwater.

What you should do

You should regularly check if there's a Severe Flood Warning for your area and follow the official advice. If a severe warning is issued, you should:

- Stay in a safe place.
- Be ready to evacuate.
- Do as the emergency services tell you.
- Call 999 if you are in immediate danger.

UK Weather Warnings

The Met Office issues weather warnings when severe weather has the potential to impact the UK. The Met Office issues warnings for rain and other extreme weather conditions. The weather warnings are given a colour depending on a combination of both the impact the weather may have and the likelihood of those impacts occurring:

Red - Extreme weather is expected. Red means that people should take action now to keep themselves and others safe from the impact of the weather. Widespread damage, travel and power disruption and risk to life is likely. People must avoid dangerous areas and follow the advice of the emergency services and local authorities.

Amber - There is an increased likelihood of bad weather affecting people, which could potentially disrupt plans and possibly cause travel delays, road and rail closures, interruption to power and the potential risk to life and property. Amber means that people need to be prepared to change plans and protect themselves, family and community from the impacts of the severe weather based on the forecast from the Met Office.

Yellow - Severe weather is possible over the next few days. Yellow means that people should plan ahead thinking about possible travel delays, or the disruption of your day-to-day activities. The Met Office is

monitoring the developing weather situation and yellow means keep an eye on the latest forecast and be aware that the weather may change or worsen.

Met Office weather warnings are available online on the link below:

<https://www.metoffice.gov.uk/weather/warnings-and-advice/uk-warnings#?date=2023-11-02>

Weather warnings are also available from the Met Office social media platforms and can be sent by signing up to receive email alerts.

Preparing for a Flood at Lidl, Briton Ferry Road

The following measures should be undertaken in preparation for a flood event:

Site management / staff should register to receive NRW Flood Alerts / Warnings and Met Office Weather Warnings.

A copy of this FWEP should be made readily accessible to all site staff. Site management / staff should:

- Be familiar with the evacuation route plan provided as Appendix B.
- Be familiar with emergency contact numbers provided below.
- Be aware of service cut off-point locations (i.e., water, gas, electricity).

Details of service cut off-points should be documented within a property handbook and made available to all site staff.

Actions Following a Weather or Flood Alert/Warning for Lidl, Briton Ferry Road

The following actions should be undertaken on receipt of a Yellow Weather Warning (for rain) or an NRW Flood Alert:

- Site management should regularly check news / media outlets for any updates on weather warnings / worsening weather conditions.
- Site management should keep track of the latest flood risk situation by reviewing the [NRW 5 day flood risk for Wales](#) which forecasts flood risk across Wales.
- Site management should check for Flood Warnings.
- All site users should be prepared to leave the site at short notice.

The following actions should be undertaken on receipt of a Flood Warning, if an Amber or Red Weather Warning (for rain) is issued or if flooding is witnessed in the surrounding area.

A Flood Warning means flooding is expected and site users need to act. Prior to flooding occurring:

- Site management / staff should distribute the weather / flood warning to all site users. Staff and customers should be prepared to leave the site at short notice.
- The evacuation route detailed on the Flood Evacuation Plan (Appendix B) should be followed when leaving the site. The evacuation route instructs site users to leave the site by heading south-east on Heol Yr Ysgol / School Road and south on Old Road.
- Once customers and staff have left the store, trained personnel should ensure that services (water, gas, electricity) are turned off, if safe to do so.

The following actions should be taken on receipt of a Severe Flood Warning

A Severe Flood Warning means there is danger to life and site management / users need to act immediately.

In addition to the actions detailed above, site users should:

- Call 999 if in immediate danger.
- Follow advice from the emergency services and evacuate if told to do so.
- It is not considered safe to drive or walk through floodwater (where prior evacuation has not been possible) seek refuge within the Lidl Store.

Actions Following a Flood at Lidl, Briton Ferry Road

The following actions should be undertaken following a flood event:

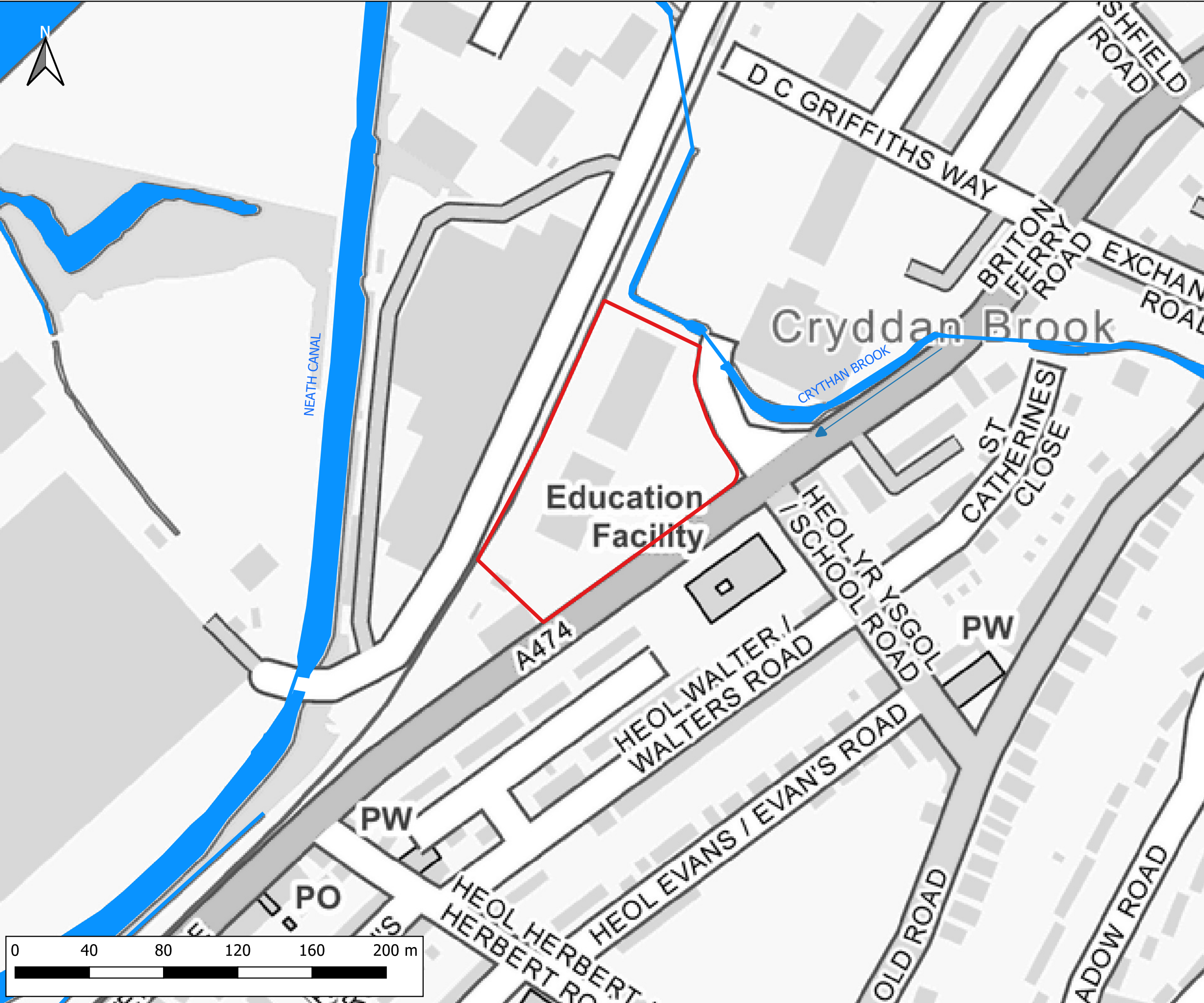
- Site users should not return to the site until the Weather/Flood Warning has been removed or until the emergency services confirm that it is safe to do so.
- Flood water can contain pollutants including raw sewage. Contact with remnant flood water should be avoided as it may be contaminated. The site should be cleaned and disinfected following a flood prior to being opened to the public/staff.
- Reconnect to gas and electricity supplies with the aid of a qualified engineer.
- Any electrical equipment should be checked by an appropriately qualified Electrician prior to re-using to ensure it is dry and safe to use, otherwise the equipment should be disposed of.

Emergency Contact Details

IN THE EVENT OF AN EMERGENCY DIAL 999	
Floodline – 0345 988 1188	NRW Incident Hotline – 03000 65 3000
NHS 111 Service (non-emergency) - 111	Mid and West Wales Fire and Rescue – 0370 606 0699
Electricity (24-hour Emergency Service) – 105	Gas (24-hour emergency service) – 0800 111 999
Other useful Contacts (to be provided by property owner)	

This FMP should be updated every 5 years accounting for the latest flood risk information. Emergency contact details should be reviewed annually.

Appendix A Location Plan & Aerial Image



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

LEGEND

- Site Boundary
- Watercourses
- Waterbodies

CLIENT:

Lidl UK GmBH

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Location Plan

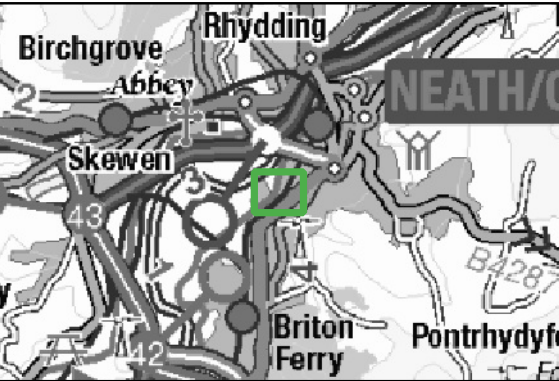
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DRAWN:	JP	CHECKED:	AW	APPROVED:	NJ
PLOT NAME:				13099_Location_Plan	
PLOT SCALE AT A3:				1:2000	
REVISION:				-	



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

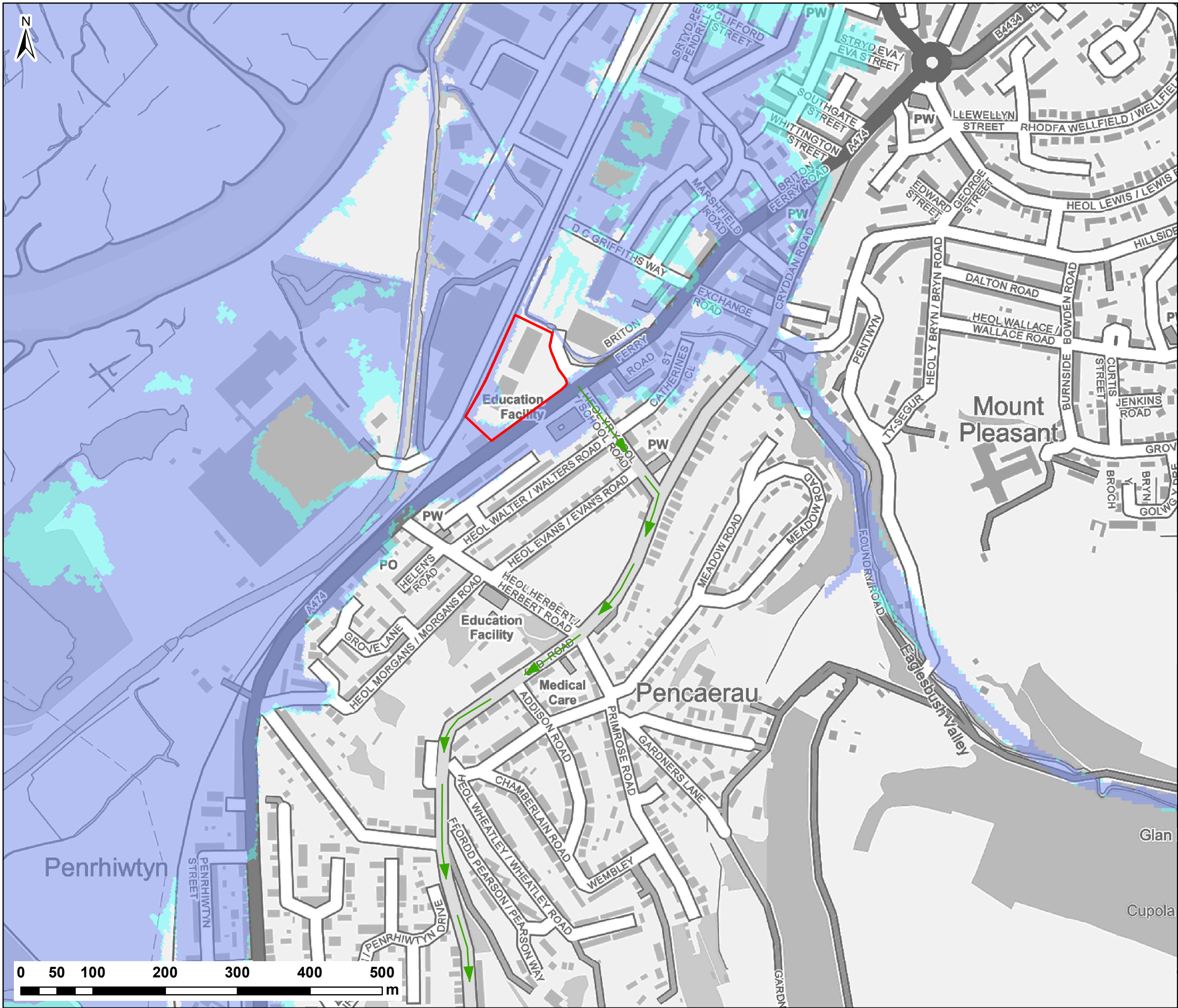
LEGEND

 Site Boundary



CLIENT:			
Lidl UK GmBH			
 www.waterco.co.uk			
SCHEME:			
Lidl, Briton Ferry Road, Neath			
PLOT TITLE:			
Aerial Plan			
PLOT STATUS:			DATE:
FINAL			27-03-2025
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
JP	AW	NJ	1:2000
PLOT NAME:			REVISION:
13099_Aerial_Plan			-

Appendix B 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:

waterco

www.waterco.co.uk

SCHEME:

LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:

FLOOD EVACUATION PLAN

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