Lidl, Briton Ferry Road, Neath

Flood Consequences Assessment & Drainage Strategy

November 2022



Waterco

Assessment | Modelling | Design

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02	14/01/2022	Updated to reflect revised site layout
03	25/01/2022	Updated with reference to ground investigation reports
04	08/06/2022	Updated with hydraulic modelling results
05	21/11/2022	Updated with revised site layout and modelling results (including peak flow sensitivity analysis)

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This report will remain valid for a period of twelve months (from the date of last issue) after which the source data should be reviewed in order to reassess the findings and conclusions on the basis of latest available information.

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Introduction

Waterco has been instructed to prepare a Flood Consequences Assessment (FCA) and Drainage Strategy in respect of the proposed demolition of two commercial buildings, and the construction of a replacement Lidl food store at Briton Ferry Road, Neath, SA11 1AS.

The purpose of this report is to outline the potential flood risk to the site, the impact of the proposed development on flood risk elsewhere, and the proposed measures which could be incorporated to mitigate the identified flood risk. This report has been prepared in accordance with the guidance contained in Planning Policy Wales (PPW) and Technical Advice Note 15 (TAN15): Development, flooding and coastal erosion.

This report also includes a Drainage Strategy. The aim of the Drainage Strategy is to identify water management measures, including Sustainable Drainage Systems (SuDS), to provide surface water runoff reduction and treatment. This report has been prepared in accordance with the Welsh Government 'Statutory standards for sustainable drainage systems – designing, constructing, operating and maintaining surface water drainage systems' (2018) – herein referred to as 'the Statutory Standards for SuDS'.

Existing Conditions

The site covers an area of 11,203m^2 and is located at National Grid Reference (NGR) 274664, 196475. A location plan and an aerial image are included in Appendix A.

Online mapping (including Google Maps / Google Streetview imagery, accessed November 2022) shows that the site currently comprises commercial buildings with associated car parking, access and goods delivery areas. The southernmost unit is occupied by the existing Lidl Store. The northernmost unit is split into two retail units, one of which is currently occupied by a discount retail store.

The site is bordered by Crythan Brook (watercourse) and a car park to the north, Briton Ferry Road (A474) to the east, a petrol filling station to the south and a railway line to the west. Access to the site is provided from an unnamed road to the east which leads off Briton Ferry Road. The majority of the site is hardstanding, with approximately 600m^2 of peripheral soft landscaping.

Local Topography

A topographical survey has been undertaken by EDI Surveys Ltd in August 2014. The topographical survey shows that site levels vary from 8.04 metres Above Ordnance Datum (m AOD) in the north-east to 6.35m AOD in the south-west. The finished floor level of the existing Lidl store is 7.57m AOD. The finished floor level of the northernmost unit is unknown, however ground levels adjacent to the customer entrances are in the region of 7.79m AOD.

The western, southern and eastern boundaries of the site form grassed slopes with the site elevated above its immediate surroundings.

Topographic levels to m AOD have also been derived from a 1m resolution Natural Resources Wales (NRW)

composite 'Light Detecting and Ranging' (LiDAR) Digital Terrain Model (DTM). The LiDAR data generally corroborates the topographical survey.

Topographical information is included as Appendix B.

Ground Conditions

Published Geology

The British Geological Survey (BGS) online mapping (1:50,000 scale) indicates that the site is underlain by superficial Tidal Flat Deposits generally comprising clay, silt and sand. The superficial deposits are identified as being underlain by the Hughes Member consisting of sandstone.

The geological mapping is available at a scale of 1:50,000 and as such may not be accurate on a site-specific basis.

The closest publicly available historical BGS borehole record (BGS reference: SS79NW134) is located approximately 300m north-east of the site and is included in Appendix C. The borehole record identifies very clayey silt to a depth of 4m below ground level (m.bgl). Groundwater was struck at approximately 3.6m.bgl. The groundwater strike is associated with a nearby stream bed and may not be representative of groundwater levels for the wider area.

Ground Investigations

A Geo-Environmental Investigation Report has been undertaken by Opus International Consultants (UK) Ltd in January 2016 (report reference CC/J-B0756.00 (R01)). The ground investigations comprised the advancement of 8no. window sample boreholes advanced to depths of between 0.4m.bgl and 5m.bgl. The strata encountered on site comprised Made Ground of asphalt underlain by a gravel sub-base, and further underlain by ashy, sandy gravel and cobbles. The Made Ground was recorded to a depth of 1.2m.bgl. The natural strata beneath the Made Ground comprised grey, soft consistency, clay.

Standing groundwater was recorded within 2no. monitoring wells at 2.52m.bgl and 2m.bgl. The Geo-Environmental Investigation Report concludes that *'given the significant thickness of Made Ground, and the presence of natural cohesive strata beneath, it is considered that soakaways are unlikely to provide a suitable drainage solution for the proposed development'.*

An intrusive ground investigation was also undertaken by Remada Ltd in August 2020 (report reference 769.02.01) and included a Coal Mining Risk Assessment. The Remada Ltd investigations recorded Made Ground up to 3m.bgl.

Hydrogeology

According to NRW's Aquifer Designation data, obtained from the BGS GeoIndex online mapping [accessed November 2022], the Tidal Flat Deposits are classified as a Secondary Undifferentiated Aquifer. Secondary Undifferentiated Aquifers are assigned in 'cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type'.

The underlying Hughes Member is classified as a Secondary A Aquifer. Secondary A Aquifers are 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers'.

Local Drainage

Public sewer records have been obtained from Dŵr Cymru Welsh Water (DCWW) and are included in Appendix D. The DCWW sewer records show that there is a 375mm public combined sewer located immediately south-east of the site within Briton Ferry Road. The public combined sewer flows south-west in this location.

The topographical survey identifies that the site is served by separate surface water and foul drainage systems.

For the northern building and associated car parking, surface water is discharged into Crythan Brook north of the site. The surface water outlet to Crythan Brook has an identified invert level of 5.92m AOD and is 300mm in diameter. Foul flows appear to be discharging east to the public combined sewer in Briton Ferry Road.

For the existing Lidl store and associated car parking, surface water is discharged to a 500mm surface water drain immediately south-west of the site (not identified on DCWW sewer plans). A cover level of 6.07m AOD and an invert of 4.63m AOD are identified where the connection from the site is made to the 500mm surface water drain. The surface water drain flows south-west in this location and based in local topography likely discharges to an unnamed watercourse located approximately 500m south-west of the site. Foul flows are discharged to the public combined sewer in Briton Ferry Road.

Development Proposals

The proposed development is for the demolition of the existing commercial buildings and the construction of a replacement Lidl store together with alterations to the car parks and external areas. Proposed development plans are included in Appendix E.

The existing building footprints occupy approximately 2,484m². The proposed building footprint will cover 2,047m². Hardstanding will cover approximately 8,810m^2 with the remaining 2,393m^2 being soft landscaping.

Measurements of building footprints and hardstanding are derived from a .dwg copy of the proposed site level plan (drawing reference: 3020 T1 prepared by SDS Design Engineers).

Flood Zone Category and Policy Context

Flood Zone Category

The Welsh Government Development Advice Map, included in Appendix F, shows that the majority of the site is located within Flood Zone B, defined as an area known to have flooded in the past, evidenced by sedimentary deposits. The southern extent of the site and an area at the western boundary (associated with a low point in the form of an existing loading bay) are located within Flood Zone C2 – an area considered at flood risk, without significant defence infrastructure, with a 0.1% (1 in 1000) or greater annual probability of flooding. Briton Ferry Road immediately east of the site is also shown to be located within Flood Zone C2.

The NRW 'Flood Risk from Rivers' map (Appendix F) shows that the majority of the site is at very low risk of flooding from rivers, meaning it has a less than 0.1% annual probability of flooding. The southern extent of the site and an area at the western boundary (associated with a low point in the form of an existing loading bay) is identified at high risk of flooding from rivers, meaning it has a 3.3% or greater annual chance of flooding.

The NRW 'Flood Risk from the Sea' map (Appendix E) shows that the majority of the site is at very low risk from the sea, meaning it less than 0.1% chance of flooding from the sea. The southern boundary of the site and an area at the western boundary (associated with a low point in the form of an existing loading bay) is identified at low and medium risk of flooding from the sea. Low risk is classified as having between a 0.5% (1 in 200 year) and 0.1% annual probability of tidal flooding.

Development Vulnerability Classification

The existing commercial units are classified as 'less vulnerable' development in accordance with Figure 2 of TAN15. The vulnerability classification will not change as part of the development. The development will result in the site being occupied by one business (one unit) as opposed to three as per the existing situation.

The development is considered to be justified in this location as it is for a new commercial unit in place of three commercial units.

Local Policy

The Neath Port Talbot County Borough Council Local Plan (2016) contains the following policy relating to flood risk:

'Policy SP 1 - Climate Change

In relation to the consequences of climate change:

1. *Likely increased flood risk will be taken into account and addressed by ensuring that there is greater resilience by avoiding development on land that is at risk from flooding in the first instance in accordance with the sequential approach set out in national guidance or in locations that could increase the risk of flooding elsewhere'*

Local guidance documents including the Neath Port Talbot County Borough Council Strategic Flood

Consequences Assessment (SFCA) (September 2014) and the Neath Port Talbot County Borough Council Preliminary Flood Risk Assessment (PFRA) (March 2011) have been reviewed and inform this report.

Consultation

A pre-planning opinion request was submitted to NRW in April 2020. In their response, NRW stated that they are unable to respond to pre-planning consultations due to workload commitments.

A pre-application request was submitted to the SAB in September 2021, prior to the proposed drainage details being known. The SAB response is included in Appendix G and states:

'STANDARD 1 – Destination

- *Your compliance with Standard Principles [page 9 of your application] States that the proposed destination of the surface would be attenuated and either discharged to the Cryddan Brook or via 500mm drain within the A474. You will be required to assess all Priority Levels within Standard 1, for example have considered green roof or partial green roof so that some water can be used or be used on by the roof garden?*

- *You refer to Priority level 2 (infiltration) will be looked at when further GI or SI report is complete.*

- *The whole purpose of SABs is to encourage good design and rigorous investigations to that we found the best option available for each individual site, and meets with the 4 pillars of SAB such as Water Quality, Quantity, Amenity and Biodiversity.*

- *We recommend that you provide us with an engineering plan showing how the surface water (flow routes) is current disposed of with the site in question, we can then invite you to Teams Meeting with relevant stakeholders to discuss the best options available to suite all stakeholders.*

STANDARD 2 – Design and Hydraulic control

- *No detail have been provided other then proposals to discharge the surface water at 1 in 100 plus cc event, however you have not exhausted all priority levels. Once we have decided upon the best suitable SuDs designs that can be achieved and is reasonable and suitable for all, we can then request hydraulic calculations complaint with the SAB guidelines and also consider exceedance routes.*

- *Our guidelines requires a 1 in 100year storm event plus 30-40% climate change.*

- *It is noted that this land is brownfield. However we would be looking for a minimum of 30% betterment in terms of discharge.*

STANDARD 3 – Water quality

- *The application refers to water treatment being dealt with via permeable paving, tree pits, rain gardens and peripheral landscaping - No details or locations shown.*

- *I've attached the Water Quality SuDS Tool we use for developments, this may be useful for you to*

understand the amount of treatment stages you require for such a development.

STANDARD 4 – Amenity

- *No details of amenity provided, however the revised car parking area may be able to lend itself to providing good amenity in terms of landscaping, permeable surfacing.*

STANDARD 5 – Biodiversity

- *No details of any ecological enhancements for the SuDS or SuDS components. This will need to be submitted when you have determined what type drainage design you wish to submit having undertaken further investigations.*

STANDARD 6 - Management & Maintenance

- *Based upon this being just one unit/plot it shall be exempt from SAB adoption. Nevertheless a full management and maintenance schedule is required for approval.*

- *However should you client wish to transfer any of the SuDS components over for SAB adoption the they shall be subjected to commuted sums to cover up to 60yrs maintenance (in accordance with the County Surveyors Society)'*

Sources of Flooding and Probability

Fluvial and Tidal

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 neatest 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.

The NRW 'Historical Flood Map' (Appendix G) indicates that there are no records of flooding at the site.

Modelled Data

Modelled outputs have been provided by NRW in May 2020. The modelled outputs are taken from the NRW River Neath Model (March 2017). In September 2021, NRW confirmed that '*this still the most up-to-date data available'*. The River Neath model includes an assessment of its tributaries including Crythan Brook.

The River Neath model outputs include defended and undefended scenarios for both fluvial and tidal events. An undefended scenario represents the removal of all linear flood defences and is considered a residual risk. A review of the NRW model outputs show that there is minimal variation in flood depths (+/-20mm) and extents for an undefended scenario when compared to the defended scenario. This is due to the significant overtopping amount during a defended flood event. This report therefore focuses on the defended scenario.

Waterco have updated the NRW model to provide an up-to-date assessment of latest climate change allowances (30% and 75% on fluvial flood events and up to the year 2100 for tidal flood events). The Waterco model also includes an assessment of the post-development scenario (with proposed building footprint and site levels included in the model) as to enable comparison of flood depths pre-and post-development to inform a quantitative assessment of the impact of the development on flood risk elsewhere.

As agreed with NRW, sensitivity tests (ST1-4) investigating a variation of +10%, -10%, +20%, and -20% to the watercourse inflows for all fluvial events including and above the 1% AEP event has been completed.

This report should be read in conjunction with the Waterco Hydraulic Modelling Report (document reference 13099-HMR-02, dated November 2022).

Model outputs including flood depth, depth difference, velocity and hazard mapping is included in Appendix H. Water levels quoted in this report have been extracted from the hydraulic model.

Fluvial Defended Scenario

As shown in Figure 1, the majority of the site is flood free during the defended 1% Annual Exceedance Probability (AEP) fluvial event. Flooding is limited to the existing Lidl store loading bay in the western extent of the site and a car parking area in the southern extent of the site. Flood depths are shallow and less than

300mm in parking areas. Flood velocities on site are low and less than 0.3m/s.

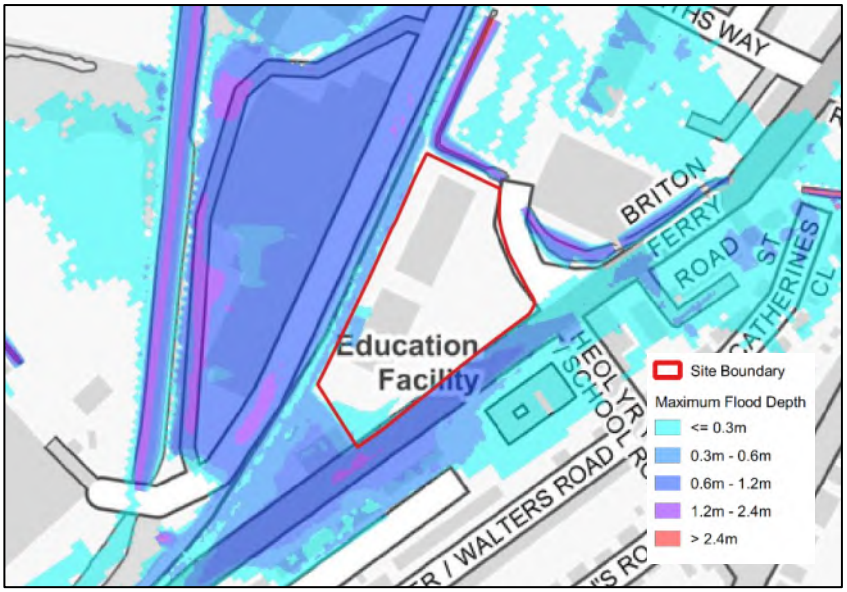


Figure 1 – 1% AEP Fluvial Defended – Flood Depths (m)

As shown in Figure 2, the majority of the site is flood free during the defended 1% AEP plus 30% climate change (CC) fluvial event. Similar to the 1% AEP event, flooding is limited to the existing Lidl store loading bay in the western extent of the site and a car parking area in the southern extent of the site. The maximum water level is 6.76m AOD. Flood depths are shallow and generally less than 300mm in parking areas. Flood velocities on site are low and less than 0.3m/s.

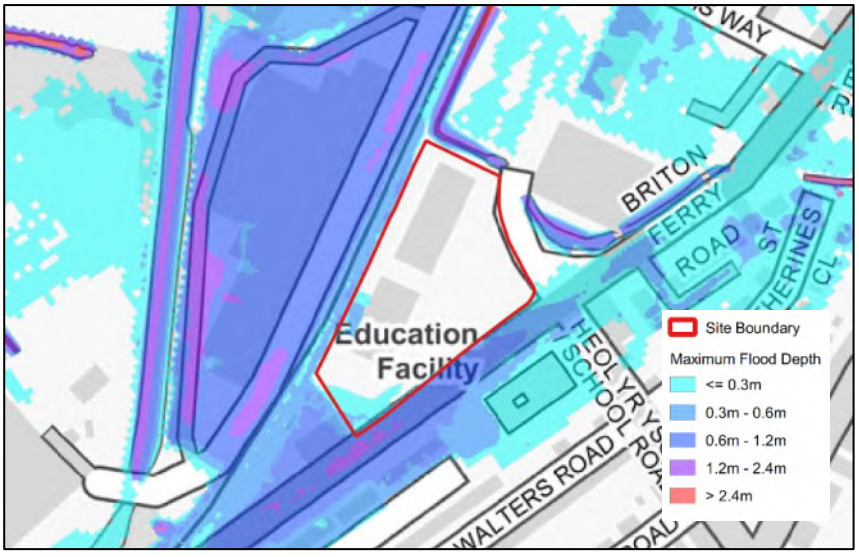


Figure 2 – 1% AEP plus 30% CC Fluvial Defended – Flood Depths (m)

With a +20% increase in fluvial inflow during the 1% AEP plus 30% CC event, the flood depth and extent on site remains similar.

As shown in Figure 3, the majority of the site is flood free during the defended 1% AEP plus 75% climate change (CC) fluvial event. Flooding is estimated to the existing Lidl store loading bay in the western extent of the site and a car parking area in the southern extent of the site. The maximum estimated water level is 6.82m AOD. Flood depths are shallow and generally less than 350mm in parking areas. Flood velocities on site are low and less than 0.3m/s

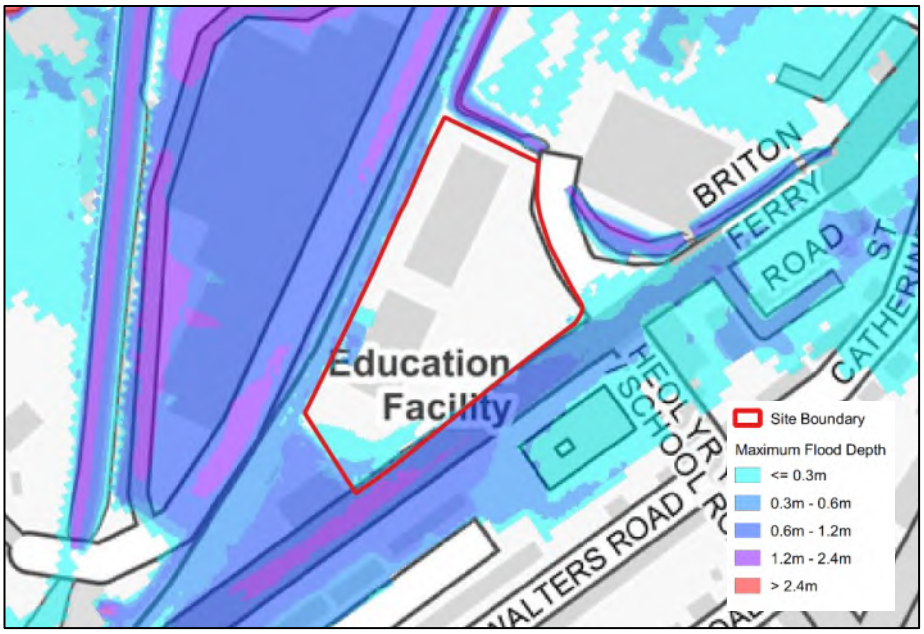


Figure 3 – 1% AEP plus 75% CC Fluvial Defended – Flood Depths (m)

As shown in Figure 4, the majority of the site is flood free during the defended 0.1% AEP fluvial event. Flooding is estimated to the existing Lidl store loading bay in the western extent of the site and a car parking area in the southern extent of the site. Flood depths are shallow and less than 350mm in parking areas. Flood velocities on site are low and less than 0.3m/s.

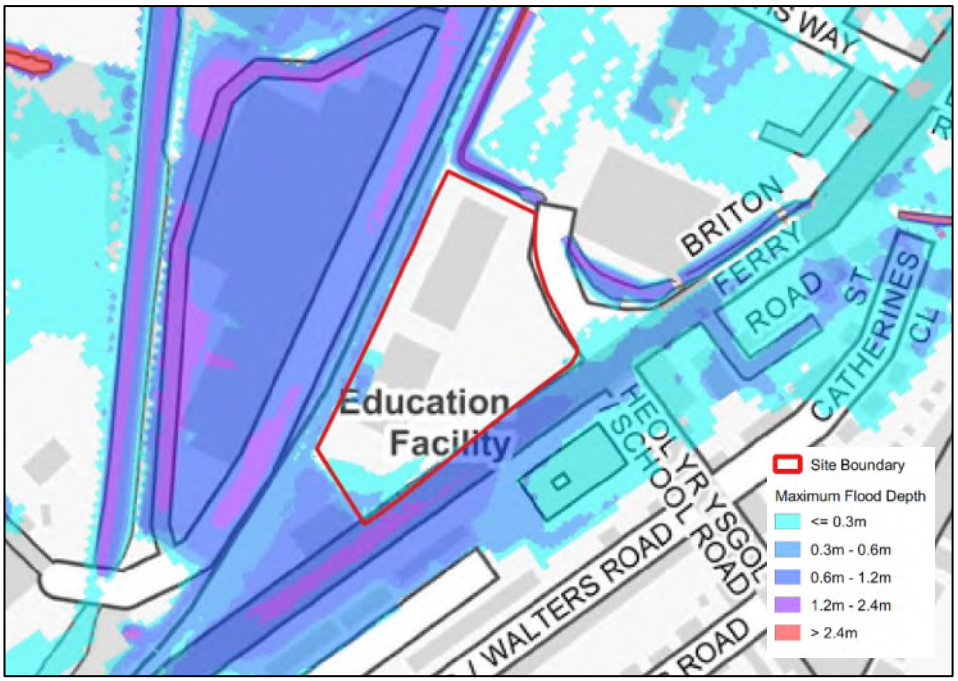


Figure 4 – 0.1% AEP Fluvial Defended – Flood Depths (m)

It can be concluded that the location of the proposed replacement Lidl store is flood free during all considered fluvial events. As per the existing situation, flood risk will remain to the loading bay in the western extent of the site and in the southernmost extent of the site (which will comprise a landscaped area post-development).

Variation in peak flows applied to the model (-10%, +10%, -20%, +20%) results in minimal variation in flood depths and extents on site.

Tidal Defended Scenario

Modelled outputs are provided as Appendix H and include present day (year 2022) and future climate change (year 2100) events.

As shown in Figure 5, the majority of the site is flood free during all defended present-day tidal events up to and including the 0.1% AEP event. During the present day 0.1% AEP event flooding is estimated to the existing Lidl store loading bay in the western extent of the site and a car parking area in the southern extent of the site. The maximum water level during the 0.1% AEP (year 2022) tidal event is 6.7m AOD. Flood depths are generally less than 300mm.

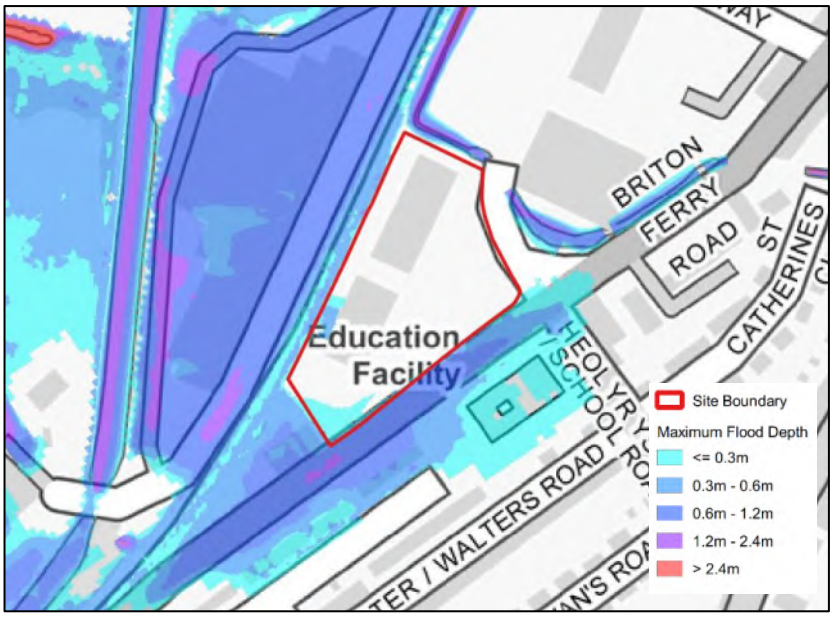


Figure 5 - 0.1% AEP Tidal (Year 2022) Defended Event - Flood Depths

As shown in Figure 6, the site is estimated to flood during the defended 0.5% AEP tidal event with climate change up to the year 2100. The maximum water level is 7.58m AOD. Flood depths in the southern extent of the site generally vary from 300mm to 1.2m. Flood depths increase near the western and southern boundaries of the site, restricted to landscaped earth banks, parking areas and the Lidl store loading bay.

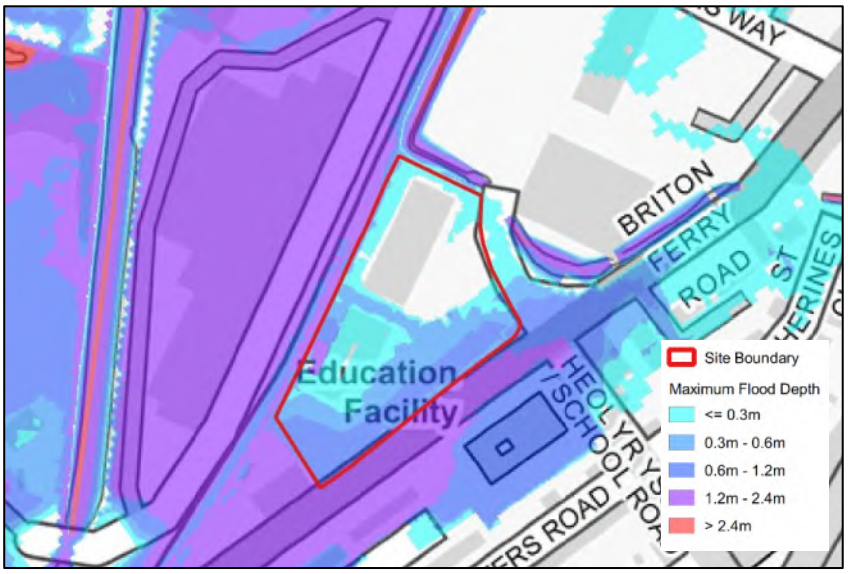


Figure 6 – 0.5% AEP Tidal (Year 2100) Defended Event - Flood Depths

As shown in Figure 7, the majority of the site is estimated to flood during the defended 0.1% AEP tidal event with climate change up to the year 2100. The maximum water level is 7.86m AOD. Flood depths in the northern extent of the site are generally less than 150mm. Flood depths in the southern extent of the site generally vary from 500mm to 1.2m. Flood depths increase near the western and southern boundaries of the site, restricted to landscaped earth banks, parking areas and the Lidl store loading bay.

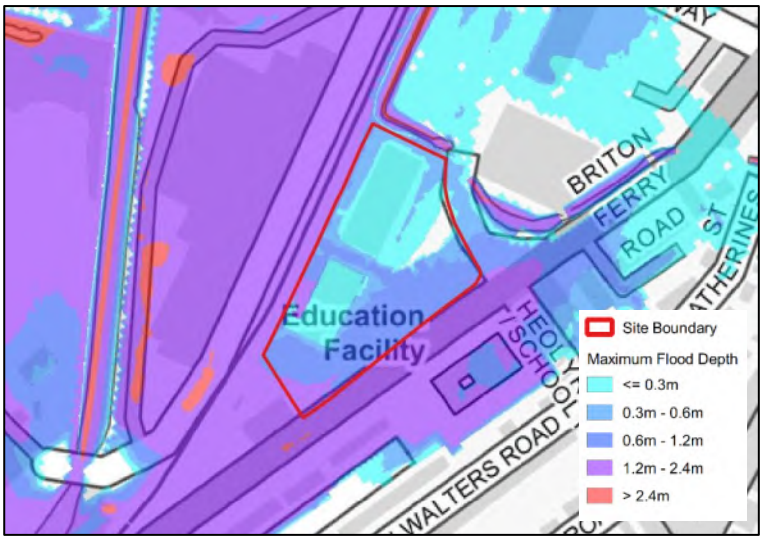


Figure 7 - 0.1% AEP Tidal (Year 2100) Defended Event - Flood Depths

It can be concluded that the site is at risk of tidal flooding when accounting for climate change up to the year 2100.

Surface Water

Surface water flooding occurs when rainwater does not drain away through the normal drainage system or soak into the ground. It is usually associated with high intensity rainfall events but can also occur with lower intensity rainfall or melting snow where the ground is saturated, frozen or developed, resulting in overland flow and ponding in depressions in topography. Surface water flooding can occur anywhere without warning. However, flow paths can be determined by consideration of contours and relative levels.

The NRW 'Flood Risk from Surface Water & Small Watercourses' map (Appendix G) shows that the majority of the site is at very low risk of surface water flooding, meaning it has a less than 0.1% annual probability of flooding. An isolated area in the western extent of the site, associated with an existing loading bay, is identified at low risk of surface water flooding, meaning it has between a 1% and 0.1% annual probability of flooding.

There are no records of surface water flooding affecting the site. Any potential surface water flooding arising at or near to the site would be directed south-west, away from the site, following the local topography.

It can therefore be concluded that the risk of surface water flooding is very low.

Sewer

Flooding from sewers can occur when a sewer is overwhelmed by heavy rainfall, becomes blocked, is damaged, or is of inadequate capacity. Flooding is mostly applicable to combined and surface water sewers.

The DCWW sewer records show that there is a 375mm public combined sewer to the south of the site in Briton Ferry Road.

Any potential flooding arising from the 375mm public combined sewer in Briton Ferry Road would be directed

south-west, away from the site, following the topography of the road. The site is situated approximately 600mm – 1m above Briton Ferry Road.

There are no records of sewer flooding at or near to the site. It can therefore be concluded that the risk of sewer flooding is very low.

Groundwater

Groundwater flooding occurs when water levels underneath the ground rise above normal levels. Prolonged heavy rainfall soaks into the ground and can cause the ground to become saturated. This results in rising groundwater levels which leads to flooding above ground.

The PFRA states that '*there are however no specific areas of historical groundwater flooding recorded in the Neath Porth Talbot area*'. There are no records of groundwater flooding affecting the site.

The site will be predominantly hardstanding, limiting the vertical migration of groundwater. Furthermore, no basement levels are identified on plans. It can therefore be concluded that the risk of groundwater flooding is low.

Artificial Sources

Neath Canal is located approximately 115m west of the site. Neath Canal is not locally elevated above surrounding ground levels and as such there is no risk of a canal breach. Canals are controlled watercourses and therefore the risk of flooding from a canal is low. The NRW 'Flood Risk from Reservoirs' map (Appendix G) shows that the site is not at risk of flooding from reservoirs.

It can therefore be concluded that the risk of flooding from artificial sources is very low.

Summary of Potential Flooding

It can be concluded that tidal flooding when accounting for future climate change is the main potential source of flood risk at this site. The maximum water level during the defended 0.5% AEP tidal event with climate change up to the year 2100 is 7.58m AOD. The maximum water level during the defended 0.1% AEP tidal event with climate change up to the year 2100 is 7.86m AOD. The associated risk has been used to inform mitigation design as discussed further in this report.

Mitigation

The finished floor level of the new Lidl store will be set at 7.57m AOD (as existing). During the 0.5% AEP tidal event with climate change up to the year 2100, flood depths internal to the store are estimated to be less than 10mm. During the 0.1% AEP tidal event with climate change up to the year 2100, flood depths internal to the store are estimated to be less than 300mm.

Flood resilient construction materials i.e. engineering bricks should be applied up to a height of 7.86m AOD.

Flood Warnings and Evacuation

Flood Warnings cover this area. Site management should register to receive Flood Warnings. Flood Warnings is a free service that provides prior warning of a fluvial and tidal flood event.

The site management should prepare a flood plan to inform site staff and users of the potential flood risk and to provide advice on what to do in the event of a flood or on receipt of a flood warning.

When a flood warning is received, and prior to flooding occurring, staff and site users should evacuate the site. The site should not be occupied when a flood warning is in place. A 'Flood Evacuation Plan' is included in Appendix I and shows the fastest route to high ground.

Where flooding occurs without warning, and where safe to do so, evacuation should be sought by heading across Briton Ferry Road and south-east onto School Road. It is noted that Briton Ferry Road is susceptible to potentially deep flooding. Where Briton Ferry Road is under floodwater, safe refuge should be sought on site. Site users could seek refuge in the store.

Impact on Flood Risk Elsewhere

The proposed development is for the demolition of two existing commercial buildings and the construction of a replacement Lidl food store. The existing building footprints occupy 2,484m². The proposed building footprint will cover 2,047m².

The existing Lidl store in the southern extent of the site is shown at risk of flooding during the 0.5% AEP and 0.1% AEP plus climate change to the year 2100 tidal events.

In order to quantify the impact of the development on flood risk elsewhere, flood depth difference mapping has been produced as to compare the existing and post-development flood levels. Flood depth difference mapping is included in Appendix H. The post-development scenario includes the proposed building footprint and proposed external levels (including modifications to existing car park levels). The proposed site levels are shown on the layout plan in Appendix E.

As shown on the flood depth difference mapping (Appendix H), no offsite impact (+/-5mm) is shown as a result of the proposed development during all considered tidal flood events. No offsite (+/-5mm) impact is shown during all considered fluvial flood events up to and including the 1% AEP plus 30% CC and 75% CC events.

The proposed development is shown to cause an increase in flood depths of generally less than 15mm, with a maximum increase of 25mm on the A474 road adjacent to the eastern site boundary during the 0.1% AEP + 75%CC event. The existing flood depths on the road at this location reach up to 675mm so the relative increase in flood depths caused by the development can be considered minimal. The extent of the off-site impact is shown in Figure 8.

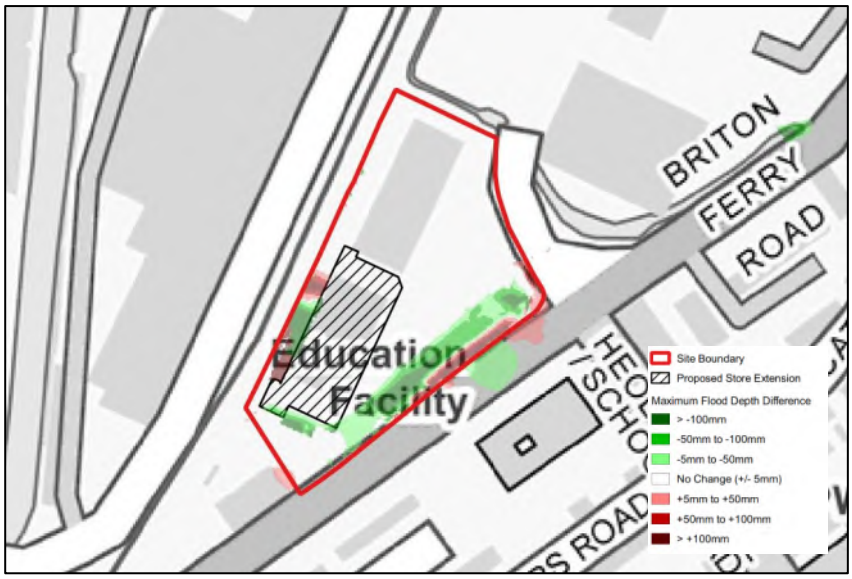


Figure 8 – 1% AEP plus 75% CC Fluvial Defended – Flood Depth Difference

With a +20% increase in watercourse inflows, the proposed development is shown to cause a general increase in flood depths of 5-10mm and less than 20mm (with maximum increase of 35mm) on the A474 road adjacent to the eastern site boundary during the 0.1% AEP + 30%CC and 0.1% AEP + 75%CC events respectively. The existing flood depths on the road at this location reach up to 675mm so the relative increase in flood depths caused by the development can be considered minimal. No increase in flood depth is shown to private property.

Surface Water Management

The site comprises two commercial buildings with associated car parking, access and goods delivery areas. Surface water from the northern extent of the site currently discharges into Crythan Brook at an unrestricted rate. Surface water from the southern extent of the site discharges to a 500mm surface water drain immediately south-west of the site at an unrestricted rate.

A new sustainable drainage system is proposed in order to comply with the Statutory Standards for SuDS and create betterment over the existing situation.

Discharge Method

Standard S1 of the Statutory Standards for SuDS sets out the following hierarchy of drainage options:

Priority Level 1: Surface water runoff is collected for use;

Priority Level 2: Surface water runoff is infiltrated to ground;

Priority Level 3: Surface water runoff is discharged to a surface water body;

Priority Level 4: Surface water runoff is discharged to a surface water sewer, highway drain, or another drainage system;

Priority Level 5: Surface water runoff is discharged to a combined sewer.

Priority Level 1: Surface water runoff collected for use

In line with section G1.4 of the Statutory Standards for SuDS, rainwater harvesting is not proposed for this site as:

1. There is no foreseeable need to harvest water at the site as DCWW water resources and drought management plans do not identify potential stresses on mains water supplies;

2. The use of rainwater harvesting is not a viable/ cost-effective part of the solution for managing surface water runoff on the site, taking account of the potential water supply benefits of such a system.

The potential for the use of rainwater harvesting would be limited to toilet flushing and the yield would significantly outweigh demand.

With regards to point 2 above, section G1.6 of the Statutory Standards for SuDS states that; in most cases, rainwater harvesting alone will not be adequate to deal with the site drainage and provision will be required for an overflow to a Level 2 or lower priority runoff destination. As downstream provision of attenuation storage will be required to accommodate for rainwater harvesting system overflows, rainwater harvesting is not considered a cost-effective solution for managing surface water runoff.

Priority Level 2: Surface water runoff is infiltrated to ground

As described above, the site is underlain by superficial Tidal Flat Deposits generally comprising clay, silt and sand which is underlain by the Hughes Member consisting of sandstone.

A Geo-Environmental Investigation Report has been undertaken by Opus International Consultants (UK) Ltd in January 2016. Standing groundwater was recorded within 2no. monitoring wells at 2.52m.bgl and 2m.bgl. The Geo-Environmental Investigation Report concludes that *'given the significant thickness of Made Ground, and the presence of natural cohesive strata beneath, it is considered that soakaways are unlikely to provide a suitable drainage solution for the proposed development*.'

It can therefore be concluded that infiltration techniques will not be suitable for the discharge of surface water.

Priority Level 3: Surface water runoff is discharged to a surface water body

The nearest watercourse is Crythan Brook which is located immediately north of the site. There is also a 500mm surface water drain south-west of the site which is assumed to discharge to watercourse approximately 500m south-west of the site.

Based on the proposed site layout and levels, it is proposed to maintain the existing split discharge arrangement with surface water discharging to Crythan Brook via the existing 300mm diameter outfall and to the 500mm surface water drain south-west of the site via the existing 300mm piped connection.

The invert level of the existing chamber upstream of the outfall to Crythan Brook is 5.92m AOD. As such, a gravity connection can be achieved. The invert level of the existing chamber on site upstream of the 500mm surface water drain is 5.01m AOD. As such, a gravity connection can be achieved.

Discharge Rate

In relation to surface water discharge for previously developed sites, the Statutory Standards for SuDS states that *'For previously developed sites, site runoff rates should be reduced to the greenfield rates wherever possible'.*

In order to establish the proposed limited discharge rate, the existing greenfield runoff rates have been estimated using the Revitalised Flood Hydrograph Model (ReFH2) method. The brownfield runoff rates have also been estimated using the ReFH2 method for comparative purposes. A summary of the greenfield and brownfield runoff rates for a range of events is provided as Appendix J.

The existing 1 in 1 year greenfield runoff rate for the 1.12ha development site is 8.7 l/s. The existing 1 in 1 year brownfield rate is 17.1 l/s.

A discharge rate of 8.7 l/s is proposed for this site (1 in 1 year greenfield runoff rate). The discharge rate will be split pro-rata between the 2 discharge locations. The pro-rata discharge rates will be confirmed at the detailed design stage.

The proposed discharge rate provides a 49% betterment over the existing 1 in 1 year brownfield runoff rate.

Attenuation Storage

In order to achieve a discharge rate of 8.7 l/s, attenuation storage will be required. An attenuation storage estimate has been provided using MicroDrainage and is included in Appendix K. An estimated storage volume of 687m³ will be required to accommodate the 1 in 100 year plus 40% CC event. The storage estimate is based on a discharge rate of 8.7 l/s, storage within a tank or pond structure, an impermeable drainage area of 8,810m², a design head of 0.3m and hydro-brake flow control.

The attenuation storage estimate is provided for indicative purposes only and should be verified at the detailed design stage.

Sustainable Drainage Systems

Attenuation storage will be provided within the lined sub-grade material of permeable paved parking bays.

Parking bays cover approximately 2,067m². A sub-grade comprising stone or MOT type 1 material would have a void ratio of 30%. Based on an area of 2,067m² and a void ratio of 30%, a sub-grade depth of 1.11m would be required (assuming the base of the sub-grade will be formed at a level gradient) to accommodate the 687m³ of attenuation storage.

In order to reduce the depth of sub-grade, load bearing geo-cellular systems (which have a 95% void ratio) could be utilised. Based on an area of 2,067m² and a void ratio of 95%, a sub-grade depth of 0.385m would be sufficient to accommodate the 687m³ of attenuation storage. A Polypipe Permavoid System could be used

(crates are available in 85mm and 150mm depths). A layer of clean stone / filter material and an appropriate geo-textile material would be placed above the geo-cellular system.

Internal access roads will be formed with a slight fall towards the permeable paved car park spaces as to ensure all runoff from the car park is drained via the permeable paved surface. The areas of sub-grade storage will be linked by piped drains. Multiple flow controls may be required to maximise storage across the site. This will be considered further at the detailed design stage.

Consideration of other SuDS

Rain gardens will be placed within landscaped areas internal and peripheral to the car park (avoiding areas with steep slopes). The rain gardens will be linked hydraulically to the site's drainage system by a piped link to the sub-grade of the permeable surfaced car park.

The use of additional SuDS methods is constrained by the site layout, which itself is constrained by flood risk and other planning constraints (parking provisions etc.). The presence of existing services, including below ground electricity cables beneath areas of proposed landscaping, restrict the use of SuDS.

Consideration has been given to a green roof. A green roof is not proposed due to additional costs associated with the additional loading on the steel framed structure, ongoing maintenance requirements for Lidl, and it would not provide any reduction in attenuation volume requirements for the site, meaning it does not provide a cost-effective means of managing surface water runoff.

Concept Surface Water Drainage Scheme

Based on the proposed site layout and levels, it is proposed to maintain the existing split discharge arrangement with surface water discharging to Crythan Brook via the existing 300mm diameter outfall and to the 500mm surface water drain south-west of the site via the existing 300mm piped connection.

Discharge will be made at a rate of 8.7 l/s (1 in 1 year greenfield runoff rate) which will be split pro-rata between the discharge locations. A gravity connection can be achieved. Surface water runoff up to the 1 in 100 year plus 40% CC event will be attenuated on site. A total attenuation volume of 687m³ will be required to achieve the discharge rate and will be provided in the form of sub-grade storage beneath permeable paved parking bays. The estimated sub-grade depth varies from 1.11m for stone sub-grade (30% void ratio) to 0.385m for a geo-cellular style sub-grade (95% void ratio).

The proposed surface water drainage scheme will create betterment over the existing drainage arrangement.

Exceedance Event

Storage will be provided for the 1 in 100 year plus 40% CC event. Storm events in excess of the 1 in 100 year plus 40% CC event should be permitted to produce temporary shallow depth flooding within the car parking area. Finished floor levels will be set at a minimum of 150mm above surrounding ground levels ensuring exceedance flooding will not affect the building.

Surface Water Treatment

The Statutory Standards for SuDS sets out the following guidance for surface water treatment:

S3 - Surface water quality management

Treatment for surface water runoff should be provided to prevent negative impacts on the receiving water quality and/or protect downstream drainage systems, including sewers.

In accordance with the CIRIA C753 publication 'The SuDS Manual' (2015), commercial roofs have a 'low' pollution hazard level, with commercial yards and delivery areas, and non-residential car parking classified as having a 'medium' pollution hazard level. Table 1 shows the pollution hazard indices for each land use.

Table 1 – Pollution Hazard Indices

Land Use	Pollution Hazard Level	Total Suspended Solids (TSS)	Metals	Hydrocarbons
Other roofs (typically commercial / industrial roofs)	Low	0.3	0.2	0.05
Commercial yard and delivery areas, non-residential car parking with frequent change	Medium	0.7	0.6	0.7

Table extract taken from the CIRIA C753 publication 'The SuDS Manual' – Table 26.2

* Indices values range from 0-1.

Runoff from the roof and the car park will be directed to permeable paving. Table 2 demonstrates that permeable paving provides sufficient treatment.

Table 2 – SuDS Mitigation Indices

	Mitigation Indices		
Type of SuDS	Total Suspended Solids (TSS)	Metals	Hydrocarbons
Permeable Pavement	0.7	0.6	0.7

Table extract taken from the CIRIA C753 publication 'The SuDS Manual' – Table 26.3

Amenity

The Statutory Standards for SuDS provide the following guidance in relation to amenity:

S4 – Amenity - *'The design of the surface water management system should maximise amenity benefits.'*

The SAB state that the car parking area *'may be able to lend itself to providing good amenity in terms of landscaping, permeable surfacing'.* The proposed development will include permeable paved parking bays with landscaped areas on the periphery. Rain gardens will also be included which will maximise the amenity value of the proposed drainage system and will create betterment in terms of amenity over the existing situation.

Biodiversity

The Statutory Standards for SuDS provide the following guidance in relation to biodiversity:

S5 – Biodiversity - *'The design of the surface water management system should maximise biodiversity benefits.'*

Provision of a rain gardens will maximise the biodiversity value of the proposed drainage system and create betterment over the existing arrangement.

Construction, Operation and Maintenance

Standard S6 of the Statutory Standards for SuDS states:

S6 – Design of drainage for Construction, Operation and Maintenance

1) *All elements of the surface water drainage system should be designed so that they can be constructed easily, safely, cost-effectively, in a timely manner, and with the aim of minimising the use of scarce resources and embedded carbon (energy).*

2) *All elements of the surface water drainage system should be designed to ensure maintenance and operation can be undertaken (by the relevant responsible body) easily, safely, cost-effectively, in a timely manner, and with the aim of minimising the use of scarce resources and embedded carbon (energy).*

3) *The surface water drainage system should be designed to ensure structural integrity of all elements under anticipated loading conditions over the design life of the development site, taking into account the requirement for reasonable levels of maintenance.*

All drainage systems will be readily accessible for maintenance access.

The drainage system will be in private ownership and will not be adopted by the SAB. Maintenance will be arranged by Lidl. Maintenance schedules for permeable paving and bioretention systems (applicable to the rain gardens) are included in Appendix L.

Other Considerations

Maintenance access to Crythan Brook will be retained and a landscaped buffer provided.

Foul Drainage

Foul flows will be discharged to the public combined sewer in Briton Ferry Road as per the existing situation. A gravity connection can be achieved.

Conclusions

The proposed development is for the demolition of two commercial buildings and the construction of a replacement Lidl store together with alterations to the car parks and external areas.

Flood Risk

The majority of the site is located within Flood Zone B on the Welsh Government Development Advice Map – an area known to have flooded in the past, evidenced by sedimentary deposits. The southern extent of the site and an area at the western boundary (associated with a low point in the form of an existing loading bay) are located within Flood Zone C2 – an area considered at flood risk, without significant defence infrastructure, with a 0.1% (1 in 1000) or greater annual probability of flooding. Briton Ferry Road immediately east of the site is also shown to be located within Flood Zone C2.

The risk of flooding from all sources has been assessed and the main potential sources of flooding at this site are fluvial and tidal flooding from the River Neath.

The majority of the site is shown to be flood free during all fluvial flood events up to and including the 0.1% AEP event.

The majority of the site, including the location of the proposed new Lidl store, is flood free during all defended present-day tidal events up to and including the 0.1% AEP event.

The site is estimated to flood during the defended 0.5% AEP tidal event with climate change up to the year 2100. The maximum water level is 7.58m AOD. The flood level increases to 7.86m AOD during the 0.1% AEP tidal event with climate change up to the year 2100. The location of the replacement store remains at risk of tidal flooding when accounting for climate change.

The identified flood risk will be managed by setting the finished floor level of the proposed store at 7.57m AOD (as per the existing floor level) which will limit flood depths internal to the store to 10mm during the 0.5% AEP plus climate change to the year 2100 flood event.

Flood Warnings are available for this area. Where flooding occurs without warning, it is considered acceptable to seek refuge within the proposed store which will be elevated above flood levels.

In order to quantify the impact of the development on flood risk elsewhere, flood depth difference mapping has been produced as to compare the existing and post-development flood levels. No offsite impact (+/-5mm) is shown as a result of the proposed development during all considered tidal flood events. No offsite (+/-5mm) impact is shown during all considered fluvial flood events up to and including the 1% AEP plus 30% CC and 75% CC events.

The proposed development is shown to cause an increase in flood depths of generally less than 15mm, with a maximum increase of 25mm on the A474 road adjacent to the eastern site boundary during the 0.1% AEP + 75%CC event. The existing flood depths on the road at this location reach up to 675mm so the relative increase in flood depths caused by the development can be considered minimal. The extent of the off-site impact is minimal.

Drainage

The proposed development will result in a reduction in impermeable drainage area. However, for redevelopment the aim is to achieve greenfield runoff rates.

All methods of surface water discharge have been assessed. Based on the proposed site layout and levels, it is proposed to maintain the existing split discharge arrangement with surface water discharging to Crythan Brook via the existing 300mm diameter outfall and to the 500mm surface water drain south-west of the site via the existing 300mm piped connection. Discharge will be made at the limited 1 in 1 year greenfield runoff rate of 8.7 l/s. The discharge rate will be split pro-rata between the discharge points. A gravity connection is achievable.

Attenuation storage will be required on site in order to restrict surface water discharge to 8.7 l/s. Attenuation can be provided within the lined sub-grade of permeable paved car parking spaces. Permeable paving will provide treatment to runoff. Rain gardens will also be used to maximise the amenity and biodiversity value of the drainage system.

Foul flows will be discharged to the public combined sewer in Briton Ferry Road as per the existing situation. A gravity connection can be achieved.

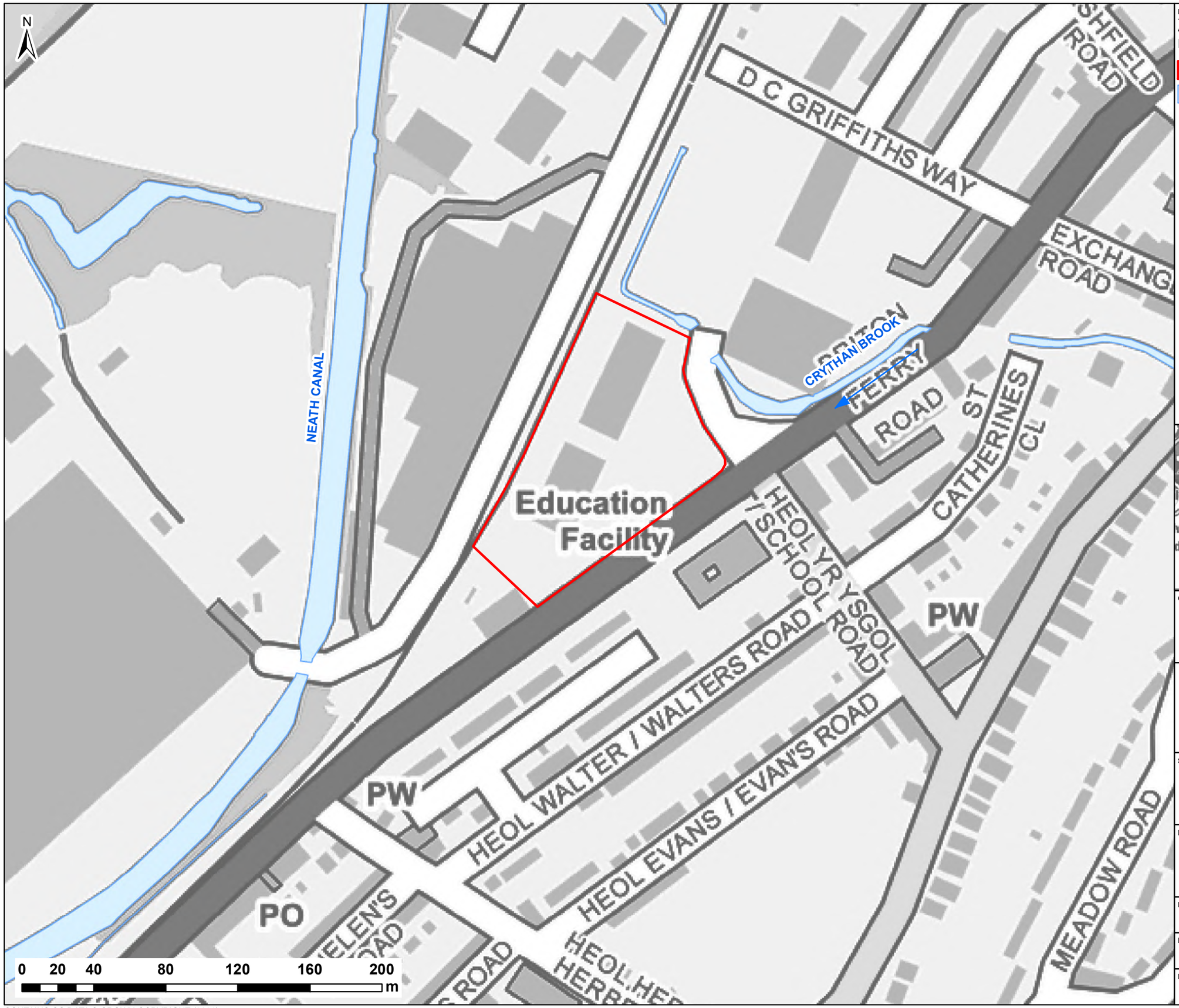
A Concept Designer's Risk Assessment (cDRA) has been prepared to inform future designers of any identified hazards associated with the scheme. The cDRA has been included in Appendix M.

Recommendations

1. Submit this Flood Consequences Assessment and Drainage Strategy to the Planning Authority in support of the Planning Application.

2. Verify the attenuation volumes included in this report when undertaking detailed drainage design.

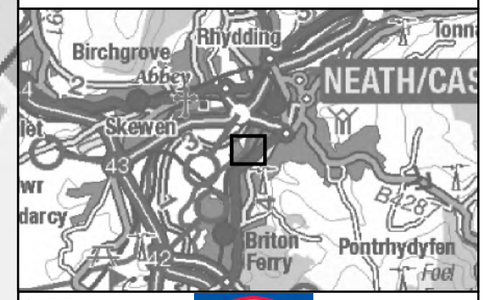
Appendix A Location Plan and Aerial Image



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

LEGEND

- Site Boundary
- Watercourses / Water Bodies



CLIENT:

www.waterco.co.uk

SCHEME:

LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:

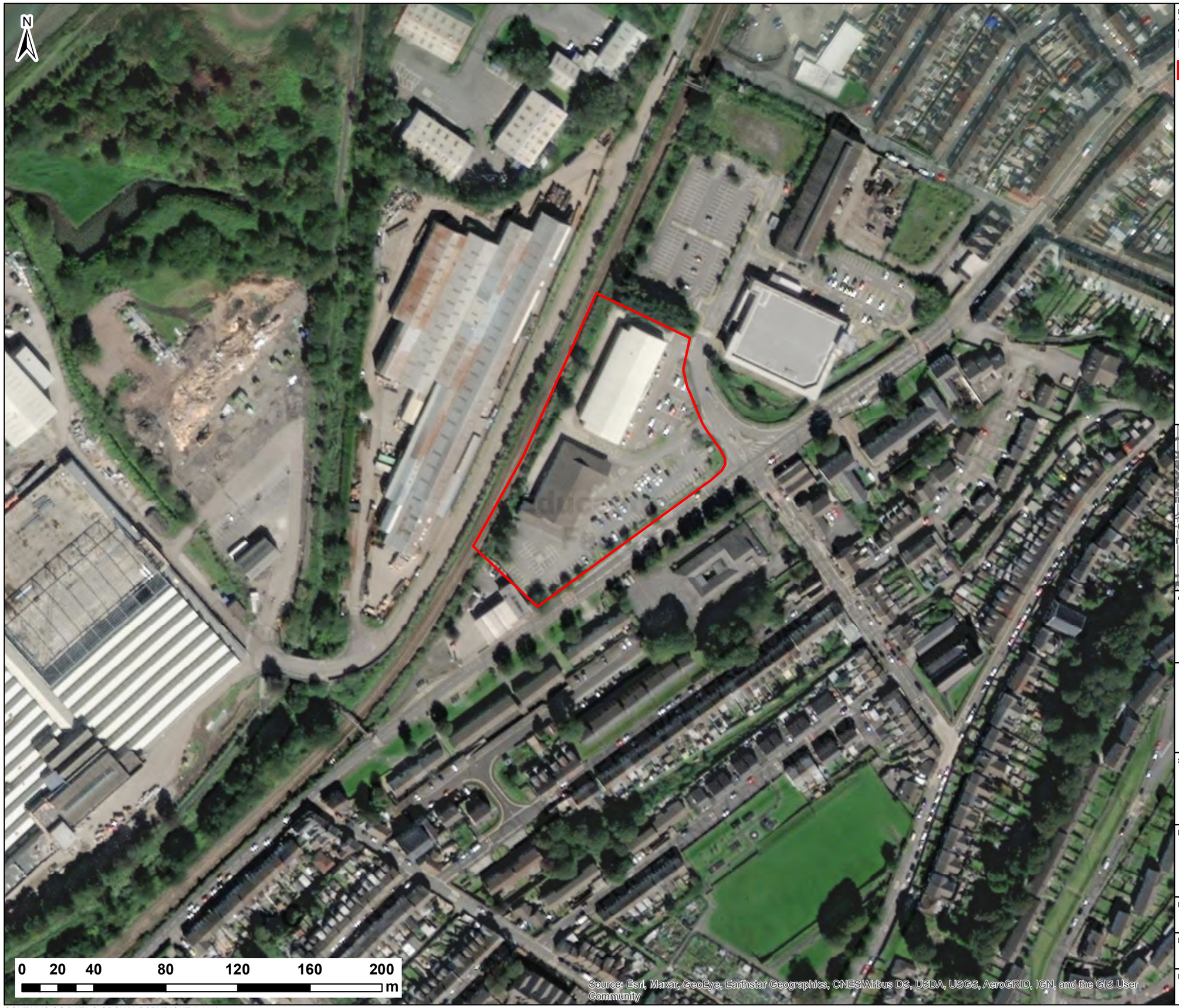
LOCATION PLAN

PLOT STATUS:	DATE:
FINAL	04/10/2021

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
VJ	AW	VG	1:2,000 (UNLESS STATED OTHERWISE)

PLOT NAME:	REV:
13099-Location_Plan	-

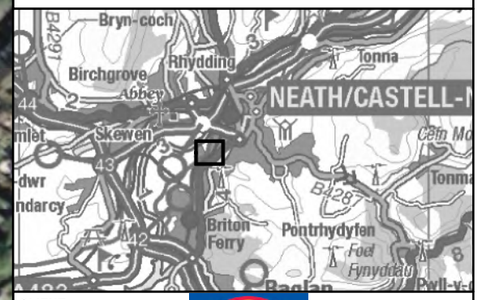
CONTAINS OS DATA © CROWN COPYRIGHT (2021)



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

LEGEND

Site Boundary



CLIENT:

LIDL

waterco

www.waterco.co.uk

SCHEME:

LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:

AERIAL PLAN

PLOT STATUS:	DATE:
FINAL	04/10/2021

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
VJ	AW	VG	1:2,000 (UNLESS STATED OTHERWISE)

PLOT NAME:	REV:
13099-Aerial_Plan	-

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Appendix B Topographical Data

Original Drawing Size: A1

GRID NORTH

NOTES:–

The accuracy and content of this drawing are dependent on the original specification and EDI should be consulted before use at other scales.

Where underground services are shown, all reasonable care has been taken within the spirit of the original specification and requirement. Before use of this information the user should consult EDI and satisfy themselves of the completeness and accuracy of such detail before undertaking any works. Due to the nature of this work and limitations imposed by ground conditions and the detection equipment no guarantee can be given that all services have been recorded. Trial holes should be dug at critical locations.

All reasonable care has been taken in the survey detail represented on this drawing but any discrepancies must be reported to EDI immediately.

Our aim is to produce the best possible results within the specification and cost constraints of our clients. Any comments are most welcome.

Levels shown at kerbs are channel level unless stated.

LEGEND

Features:

AV	Air Valve
AB	Air Brick
BD	Bollard
BH	Borehole
BM	Benchmark
BP	Boundary Post
BS	Bus Stop
BT	British Telecom
CL	Cover Level
COL	Column
CTV	Cable TV Cover
DCH	Drainage Channel
DF	Drinking Fountain
DIS	Disused
DK	Drop Kerb
DPC	Damp proof Course
EIC	Electricity IC
EJ	Expansion Joint
ER	Earth Rod
FH	Fire Hydrant
FHR	Fire Hose Reel
FS	Flagstaff
G	Gully
GV	Gas Valve
IC	Inspection Cover
KL	Kerb Level
JBX	Junction Box
KO	Kerb Outlet
LB	Letter Box
LBN	Litter Bin
LLP	Low Level LP
LP	Lamp Post
MP	Marker Post
MS	Mile Stone
MT	Mercury Telecom
OHL	Overhead Line
OP	Overflow Pipe
PM	Parking Meter
PP	Power Pole
RAD	Radiator
RE	Rodding Eye
RNP	Road Name Plate
RS	Road Sign
RSD	Roller Shutter Door
RWP	Rain Water Pipe
SD	Service Duct
SV	Stop Valve
TCB	Telephone Call Box
TP	Telegraph Pole
TS	Traffic Signal
UB	Universal Beam
UNK	Unknown
UR	Urinal
UTL	Unable to lift
V	Vent
VP	Vent Pipe
WM	Water Meter
WO	Wash Out
WP	Waste Pipe

Building Level Details:

D	Door
EL	Eave Level
FFL	Floor Level
FRL	Flat Roof Level
HL	Head Level
PPL	Parapet Level
RL	Ridge Level
SL	Sill Level
SP	Springer of Arch
TA	Top of Arch
W	Window
12.34	Ceiling/Beam Soffit

Boundary Types:

BW	Barbed Wire
CB	Close Boarded
CH	Chain Link
CI	Corrugated Iron
CP	Chestnut Paling
IR	Iron Railing
IW	Interwoven
LL	Larch Lap
PAL	Palisade
PR	Post & Rail
PW	Post & Wire
TNR	Timber Knee Rail
RTW	Retaining Wall
VSF	Vehicle Safety Fence
WMF	Wire Mesh Fence

Surfaces & Finishes:

B	Brickwork
BB	Breeze Block
C	Concrete
CLT	Ceiling Tiles
CP	Carpet
CPS	Concrete Paving Slabs
CPT	Carpet Tiles
CR	Concrete Render
CT	Ceramic Tiles
FT	Floor Tiles
HBD	Hardboard
L	Linoleum
P	Plaster
PAV	Brick Paviors
S	Steel work
T	Tarmac
TSP	Textured Safety Paving
VT	Vinyl Tiles

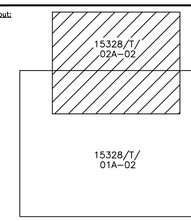
Services:

- C — CATV cables
- CCTV cables
- D — Data cables
- E — Electric cables
- Foul water
- G — Gas pipes
- Heating duct
- SD — Service ducts
- Storm water
- Telecom cab.
- Unidentified
- W — Water pipes
- 150s Pipe Diameter/Flow
- Overhead Lines

Survey Station
Fence
Gate
Painted Road Markings
Edge of Vegetation
Kerb/Drop Kerb
Tree
Top / Bottom — Banks
Building
Overhead Building Detail
Wall

Control: All levels and co-ordinates are related to the datums described.
The horizontal control of this survey is based on Ordnance Survey grid as translated from GPS coordinates using Leica's SmartNet service. We have applied a reverse scale factor to maintain true ground distances, based on station ST3. The vertical control of this survey is based on OS datum as translated from GPS coordinates using the OSGM02 transformation as supplied by the OS. This may differ from the existing OS benchmarks in the area which should be disregarded; all levels should be taken from EDI survey stations.

Sheet Layout:



The underground services on this survey have been traced using a combination of Radiodetection RD8000 and IDS Duo Detector Ground Penetrating Radar. Whilst every effort has been made to locate these services, no system or equipment is able to locate 100% of services without excavation. GPR works well in moist soils which are relatively undisturbed but works less well in very wet (conditions at time of survey) or very dry soils and ground which has been generally disturbed or built up, and it also works better with larger diameter cables and pipes – for example it is difficult to trace small bore connections to individual properties. The RD8000 cannot distinguish between services if they are adjacent, cannot always distinguish small pipes/cables adjacent to large ones and can be swamped by radiation from buildings (when very close to them) or high voltage overhead lines.

Station Schedule

Station	Easting	Northing	Level	Type
1	274627.685	196483.179	7.346	Hilti Nail
2	274670.807	196464.002	7.320	Hilti Nail
3	274636.913	196423.990	7.274	Hilti Nail
4	274606.204	196433.684	7.301	Hilti Nail
2A	274728.517	196494.553	7.373	Hilti Nail
3A	274651.029	196406.504	5.805	Hilti Nail
5	274658.390	196544.171	7.506	Hilti Nail
6	274673.803	196547.073	7.619	Temporary
7	274693.983	196534.700	7.555	Hilti Nail

Rev.	Job No.	Date	Revision Detail	Surveyor	Chkd
A	15328	11/15	Topo Extension (North) plus Services Survey.	T.Cos	R.J.A

CLIENT

LIDL UK GmbH
Waterton Industrial Estate
Bridgend
CF31 3PH

PROJECT

Topographic Survey
Briton Ferry Road
Neath
SA11 1AS

Job No.	Surveyor	Checked	Date	Scale
14433	T.Cosgrove	GMP	Aug. 2014	1:200

EDI SURVEYS LTD
163–165 Ranelagh Road, Ipswich, Suffolk IP2 0AH
Telephone | 01473 211222 Fax | 01473 221660
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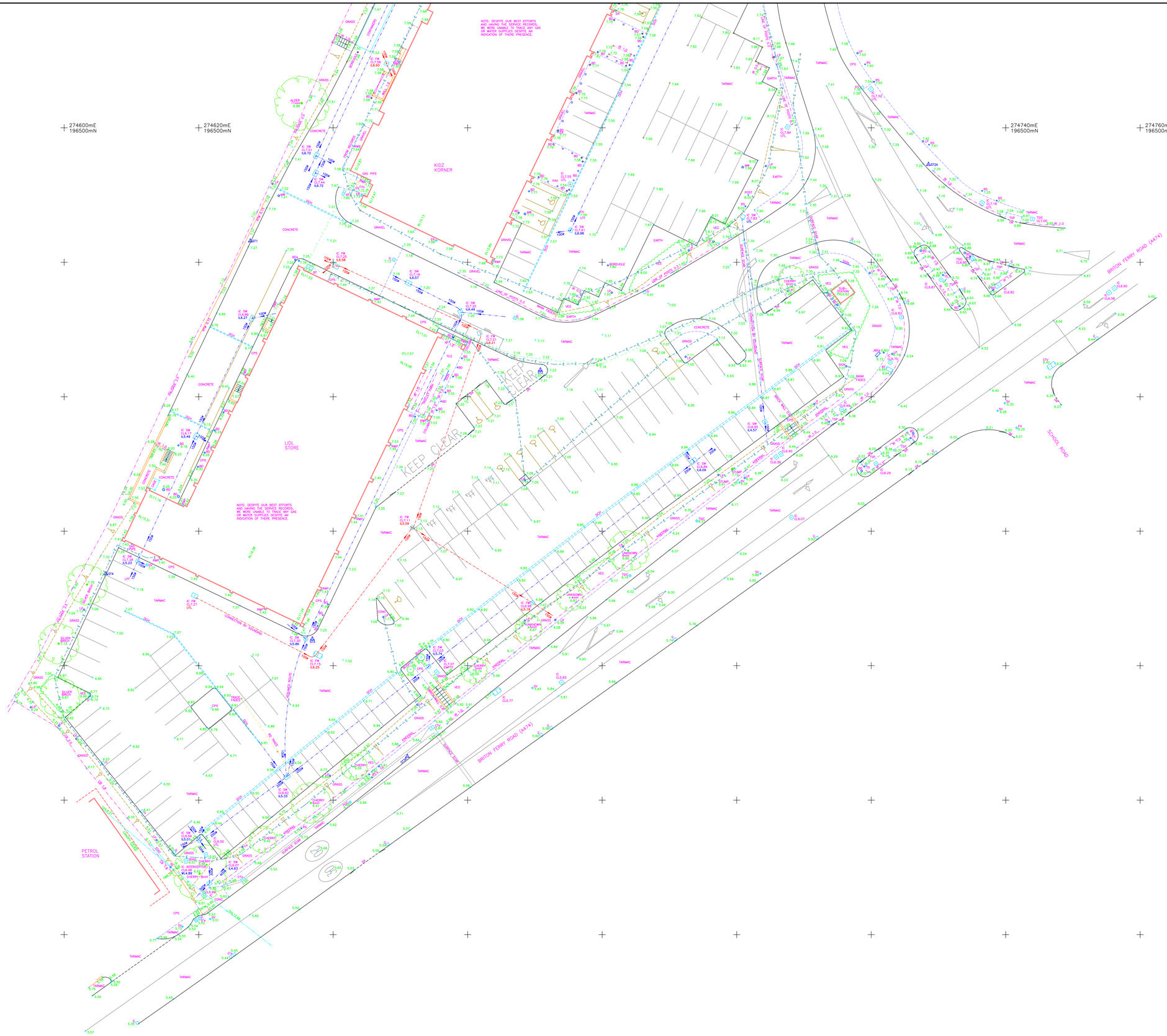
DRAWING No. 14433/T/02–02 REV. A

274620mE 196580mN · 274640mE 196580mN · 274660mE 196580mN · 274680mE 196580mN · 274700mE 196580mN · 274720mE 196580mN · 274740mE 196580mN
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274620mE 196540mN · 274740mE 196540mN
274620mE 196520mN · 274740mE 196520mN
274620mE 196500mN · 274740mE 196500mN

POUND STRETCHER

KIDZ KORNER

NOTE: DESPITE OUR BEST EFFORTS AND HAVING THE SERVICE RECORDS, WE WERE UNABLE TO TRACE ANY GAS OR WATER SUPPLIES DESPITE AN INDICATION OF THERE PRESENCE.



Original Drawing Size: A0

NOTES:-

The accuracy and content of this drawing are dependent on the original specification and EDI should be consulted before use at other scales.

Where underground services are shown, all reasonable care has been taken within the spirit of the original specification and requirement. Before use of this information the user should satisfy himself as to the accuracy and extent of the information shown and the detail before undertaking any works. Due to the nature of this work and limitations imposed by ground conditions and the detection equipment no guarantee can be given that all services have been recorded. Trial holes should be dug at critical locations.

All reasonable care has been taken in the survey detail represented on this drawing but any discrepancies must be reported to EDI immediately.

Our aim is to produce the best possible results within the specification and cost constraints of our clients. Any comments are most welcome.

Levels shown at kerbs are channel level unless stated.

LEGEND

Features:
AV Air Valve
AB Air Brick
BO Bollard
BH Borehole
BM Bench Mark
BP Boundary Post
BS Bus Stop
CP Call Box Telecom
CL Cover Level
COL Column
CTV Closed TV Cover
DCH Drainage Channel
DF Drinking Fountain
EP Electric Pole
GK Grip Kerb
GPC Grip grout Course
EJ Expansion Joint
ER Earth Rod
FH Fire Hydrant
HR Fire Hose Reel
FG Flagstaff
GT Gate
GV Gas Valve
IC Inspection Cover
JB Junction Box
KO Kerb Outlet
LP Lamp Post
LBN Litter Bin
LLP Low Level LP
MH Manhole
MP Marker Post
MS Mile Stone
OHL Overhead Telecom
OHL Overhead Line
OP Overflow Pipe
PB Parking Bollard
PP Power Pole
RO Rodditor
RL Road Level
RSP Road Stud Plate
RS Road Sign
RSD Rain Water Pipe Door
RWP Rain Water Pipe
SD Service Duct
SL Slip Valve
TBC Telephone Call Box
TP Telegraph Pole
TS Traffic Signal
UM Unknown Manhole
UM Unknown
UR Urinal
V Valve to lift
VT Vent
VP Vent Pipe
WH Water Meter
WO Wash Out
WP Waste Pipe

Building Level Details:
D Door
GL Ground Level
FFL Floor Level
FRL Flat Roof Level
PL Pitch Level
PTL Parapet Level
RL Ridge Level
SL Sill Level
SP Springer of Arch
TA Top Of Arch
TW Top Wall

Boundary Types:
BW Barbed Wire
CB Close Boarded
CH Chainlink
CI Corrugated Iron
GP Galvanised Ping
IR Iron Railing
M Mesh
PA Palisade
PN Pallisade
PW Post & Wire
RW Retaining Wall
TAW Timber Knee Rail
WPW Retaining Wall
WF Wire Mesh Fence
WW Wire Mesh Fence

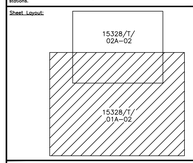
Surfaces & Finishes:
B Brickwork
BL Concrete Block
C Concrete
CLT Ceiling Tiles
CP Carpet
CPS Concrete Paving Slabs
CPT Carpet Tiles
CQT Ceramic Quarry
CT Ceramic Tiles
FT Floor Tiles
PT Paint Finish
U Undecor
P Plaster
PV Plastic Pavions
S Steel work
T Tarmac
TSP Tactical Safety Paving
VT Vinyl Tiles

Services:
CATV cables
CCTV cables
Data cables
Electric cables
Foul water
Gas pipes
Heating duct
Service ducts
Storm water
Telecom cab.
Unidentified
Water pipes
Pipe Diameter/Flow
Overhead Lines

Survey Station
Fence
Gate
Painted Road Markings
Edge of Vegetation
Kerb/Drop Kerb
Tree
Trees
Bushes
Building
Overhead Building Detail
Wall

Control: All levels and co-ordinates are related to the datums described.
The horizontal control of this survey is based on Ordnance Survey grid re translated from GPS coordinates using Leica's Smartnet service. We have applied a reverse scale factor to maintain true ground distances, based on station ST3. The vertical control of this survey is based on OS datum as translated from GPS coordinates using the OSGM02 geoid model. Temporary bench marks are shown on the drawing. Where these benchmarks in the area which should be disregarded, all levels should be taken from OS survey stations.

Sheet Layout:



The underground services on this survey have been traced using a combination of Radiodetection RD8000 and CDS Duo Scanner Ground Penetrating Radar. Whilst every effort has been made to locate these services, no system or equipment is able to locate 100% of services without excavation. GPR works well in moist soils which are relatively undisturbed but works less well in very wet (conditions at time of survey) or very dry soils and ground which has been heavily compacted or contains a lot of clay. It also works better with larger diameter services such as gas or water mains - for example it is difficult to trace small bore connections to individual properties. The RD8000 cannot distinguish between services if they are adjacent, cannot always distinguish small pipes/cables adjacent to large ones and can be swamped by radiation from buildings (when very close to them) or high voltage overhead lines.

Station Schedule

Station	Easting	Northing	Level	Type
1	274622.983	196443.556	7.325	Hilti Nail
2	274570.807	196464.002	7.325	Hilti Nail
3	274636.913	196423.990	7.274	Hilti Nail
4	274606.204	196443.554	7.371	Hilti Nail
5	274622.039	196426.504	7.303	Hilti Nail
5A	274623.039	196426.504	6.803	Hilti Nail
5	274658.130	196514.171	7.508	Hilti Nail
6	274673.863	196547.073	7.619	Temporary
7	274683.983	196524.700	7.555	Hilti Nail

Rev.	Job No.	Date	Revision Detail	Surveyor	Chkd
A	15328	11/15	Topo Extension (North) plus Services Survey.	T.Cos	R.J.A

CLIENT

LIDL UK GmbH
Wotanton Industrial Estate
Bridgend
CF31 3PH

PROJECT

Topographic Survey
Briton Ferry Road
Neath
SA11 1AS

Job No.	Surveyor	Checked	Date	Scale
14433	T.Cosgrove	GMP	Aug. 2014	1:200

EDI SURVEYS LTD
163-165 Ranelagh Road, Ipswich, Suffolk IP2 0AH
Telephone | 01473 211222 Fax | 01473 221660
Email enquiries@edisurveys.co.uk
Our Services:- Topographic Surveys, Measured Building Surveys, GPS Surveying and Control, 3D laser Scanning, Utility Surveying and Drainage Investigation.
Click the link below to visit our website and find out more.
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DRAWING No. 14433/T/01-02

REV. A

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

LEGEND

- Site Boundary
- Site Levels

Grould Elevation (m AOD)

- <6
- 6-7
- 7-8
- 8-9
- >10



CLIENT:

LIDL

waterco

www.waterco.co.uk

SCHEME:

LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:

LIDAR ELEVATIONS

1m RESOLUTION

PLOT STATUS:	DATE:
FINAL	04/10/2021

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
VJ	AW	VG	1:1,500 (UNLESS STATED OTHERWISE)

PLOT NAME:	REV:
13099-Lidar	-

0 15 30 60 90 120 150 m

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Appendix C Historical Borehole Record

Applied Geology

Project	MILLAND ROAD INDUSTRIAL ESTATE, NEATH
Borehole	2
Sheet	1 of 1
Contractor	I.H. DRILLING LIMITED
Client	JAMES AND NICHOLAS
Project No.	30273

SJ 79 NW/134

Sampling				Properties			Strata			
Depth	Sample Type	Casing Depth	Water Depth	Strength kN/m²	W %	S.P.T. N	Description	Depth	Legend	Level O.D.
		7.50	0.00					0.00		2.90
0.60-1.05	U*						Very soft to soft grey brown organic, slightly fine sandy very clayey SILT with a little wood debris.			
0.60-1.40	B				40					
1.40-1.85	U									
1.90-2.60	B				45					
2.60-3.05	U									
3.05-3.50	B				47					
3.50-3.95	S					2				
3.50-4.50	B									
4.50-4.95	U*									
4.50-5.50	B				58					
5.00-5.45	S					2				
5.50-6.50	B									
6.50-6.95	S					6				
6.59-6.90	B							6.90		-4.00
6.90-7.50	B						Dense, sub rounded to sub angular SAND and GRAVEL.			
7.50-7.95	S					39				
								7.95		-5.05
							End of Borehole			

Progress/Ground Water

Date	Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth After 20 min.	Depth Sealed
3-8-91		7.50	7.50		6.90	0.00	

Remarks

Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.

Borehole in stream bed 3.6 m below ground surface at BH 1 location.

U* - No recovery in samples.

Boring

Plant	PILCON
Crew	J.R.
Type and Diameter	Depth
CABLE PERCUSSION 150 mm	7.95m
Start Date	2-8-91
Finish Date	3-8-91
Logged by	KDP

Appendix D Sewer Plan

Dŵr Cymru
Welsh Water

Lidl - Briton Ferry Road

N
W E
S

LEGEND(Representative of most common features)

Waste network:

- Foul chamber
- Surface water chamber
- Combined chamber
- Combined sewer overflow
- Special purpose chamber
- Treatment works
- Pumping station
- Outfall
- Lamphole
- Storm Overflow
- Rising main
- Gravity sewer
- Private sewer
- Private sewer subject to Sect. 104 adoption agreement (S 104)
- Private Sewer Transfer
- Lateral Drain
- Inspection Chamber

NB: Sewer symbol colour indicates the type.
RED - Combined
GREEN - Surface Water
BROWN - Foul
Purple - Former S24 sewers (for indicative purposes only)

Notes:

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases, pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF) . It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation

Dŵr Cymru Cyfyngedig ('the Company') gives this information as to the position of its underground apparatus by way of general guidance only and on the strict understanding that it is based on the best information available and no warranty as to its correctness is relied upon in the event of excavations or other works made in the vicinity of the company's apparatus. The onus of locating apparatus before carrying out any excavations rests entirely on you. The information which is supplied by the Company, is done so in accordance with statutory requirements of sections 198 and 199 of the Water Industry Act 1991 which is based upon the best information available and, in particular, but without prejudice to the generality of the foregoing, it should be noted that the records that are available to the Company may not disclose the existence of a water main, service pipe, sewer, lateral drain or disposal main and any associated apparatus laid before 1 September 1989, or, if they do, the particulars thereof including their position underground may not be accurate. It must be understood that the furnishing of this information is entirely without prejudice to the provision of the New Roads and Street Works Act 1991 and the Company's right to be compensated for any damage to its apparatus.

Service pipes are not generally shown but their presence should be anticipated.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

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Map Ref:	274636,196458
Map scale:	1:1250
Printed by:	John Emma
Printed on:	28 Apr 2020

Appendix E Proposed Development Plans

A1

EXISTING GATED ACCESS
FROM TRACKS TO REMAIN
IN PLACE

144 CAR PARKING SPACES
(INCLUDING 7 DISABLED, 9 P&C, 8 EVC SPACES)

NEW STAIRED ACCESS
7 RISES OF 150 mm
6 GOINGS OF 300mm

EXISTING SUBSTATION
TO REMAIN

PROPOSED SITE LAYOUT PLAN

LEGEND -PROPOSED SITE FINISHES

ELEMENT	SHOWN AS
200X100X60mm PENCIL EDGED KEYBLOCK PAVING SETS TO FOOTPATHS AROUND FRONT OF STORE, STRETCHERBOND PATTERN, ANTHRACITE IN COLOUR.	
STONE MASTIC ASPHALT (SMA) WITH 10mm CHIP AS PER LIDL CORPORATE SPECIFICATION REFER TO DRAWING LD(14)-SP-04 FOR BUILD UP	
3 LAYER BITUMIN ACCESS ROAD. REFER TO DRAWING LD(14)-SP-04 FOR BUILD UP	
PROPOSED SHRUB PLANTING TO RECEIVE STONE CHIPS . TO BE PLANTED IN ACCORDANCE WITH LANDSCAPE ARCHITECTS DRAWINGS	
SMA TO PATHS TO LIDL SPECIFICATION	
LOADING BAY RAMP & PLANT PLINTH -CONCRETE	
PROPOSED RAIN GARDEN	
SITE BOUNDARY	
PROPOSED RETAINING WALL	
PERMEABLE PAVING	

NOTE:
PAVING BLOCK SAMPLES TO BE AGREED WITH PROJECT MANAGER PRIOR TO INSTALLATION

NOTE:

ALL LANDSCAPING PLANTING SHOWN IS INDICATIVE ONLY. PLEASE REFER TO LANDSCAPING ARCHITECTS LAYOUT FOR DETAILS

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info@structuraldesign.ie Web: www.structuraldesign.ie
SDS design engineers

DRAWING NOTES:
1. This Drawing is to be read in conjunction with the relevant Specifications & other Architectural & Engineering Drawings. Engineers to be informed immediately of any discrepancies before work proceeds.
2. Do Not Scale from this Drawing. -Metric Figured Dimension only are to be used.
3. It is "The Contractors" responsibility to ensure that all works are carried out in accordance with the requirements of the current Building Regulations and all other statutory documents relevant to this project including the grant of planning permission, Fire Safety Certificate and Disability Access Certificate.
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REV.	DATE:	BY:	DESCRIPTION:
T1	16.09.2022	AM	ISSUED FOR TENDER

Client: LIDL GB

Project Title: PROPOSED NEW LIDL FOODSTORE AT BRITON FERRY, NEATH PORT TALBOT, UK

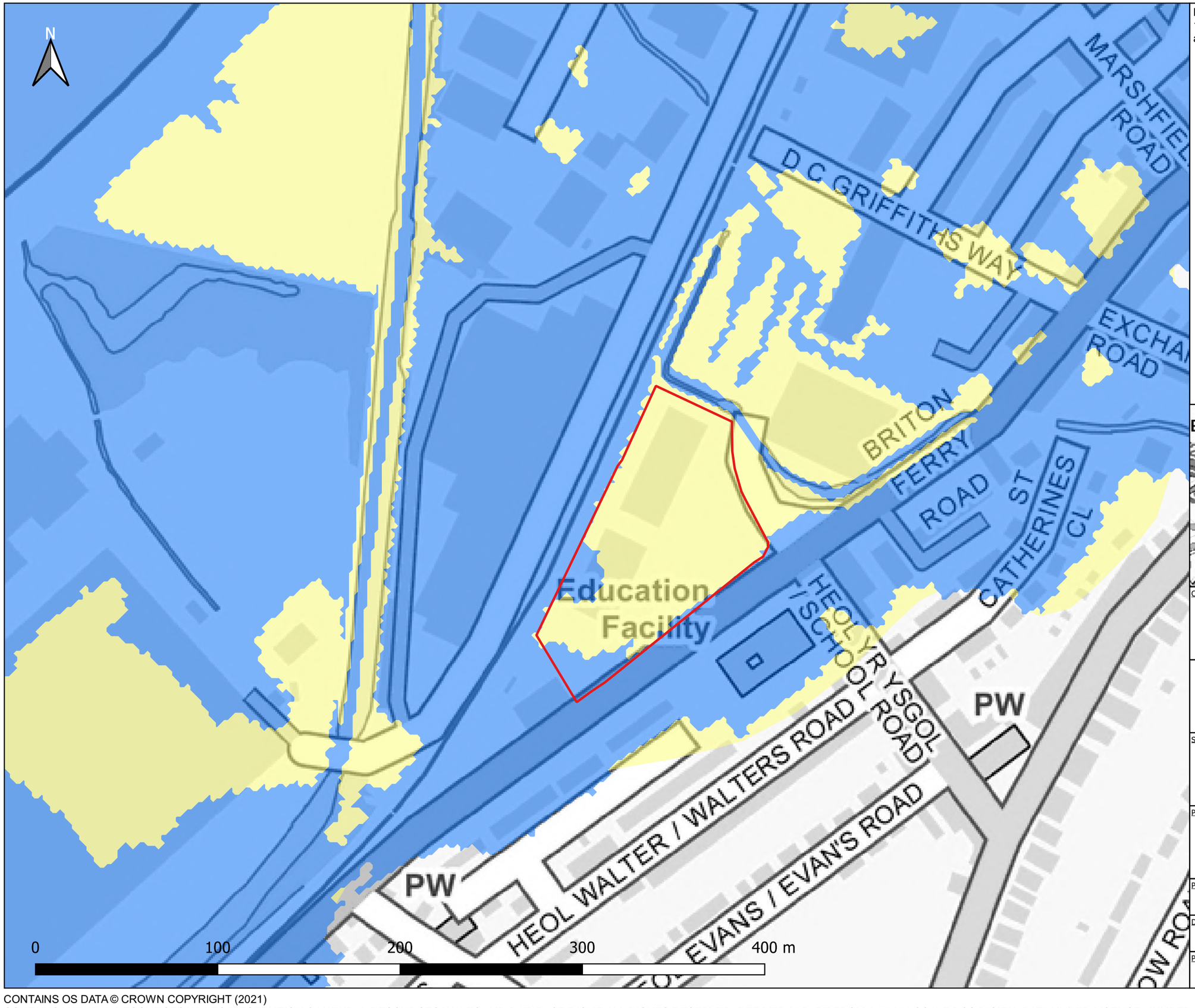
Drawing Title: SITE LAYOUT
PROPOSED SITE LEVELS

Scales	Paper Size	Status
AS INDICATED	A1	TENDER
Drawn by: JPM	Date: SEPTEMBER 2022	Checked: AM

P:\22239 BRYNA - Lidl GB - Bagnor Regis Foundation CONSTRUCTION Design\Drawings\1-CONSTRUCTION\BRYNA-3x4D-3x4D.dwg

Project No:	Drawing No:	Revision
22239	3020	T1

Appendix F NRW Flood Maps



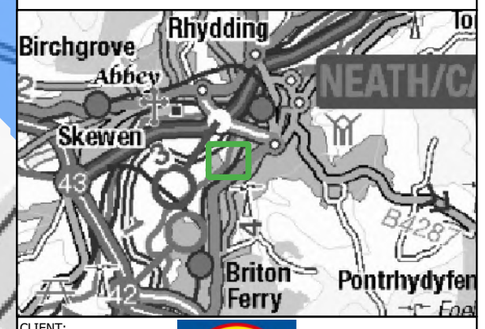
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Development Advice Map (TAN15)

- Zone A
- Zone B
- Zone C1
- Zone C2



CLIENT:

www.waterco.co.uk

SCHEME:

LIDL - BRITON FERRY ROAD, NEATH

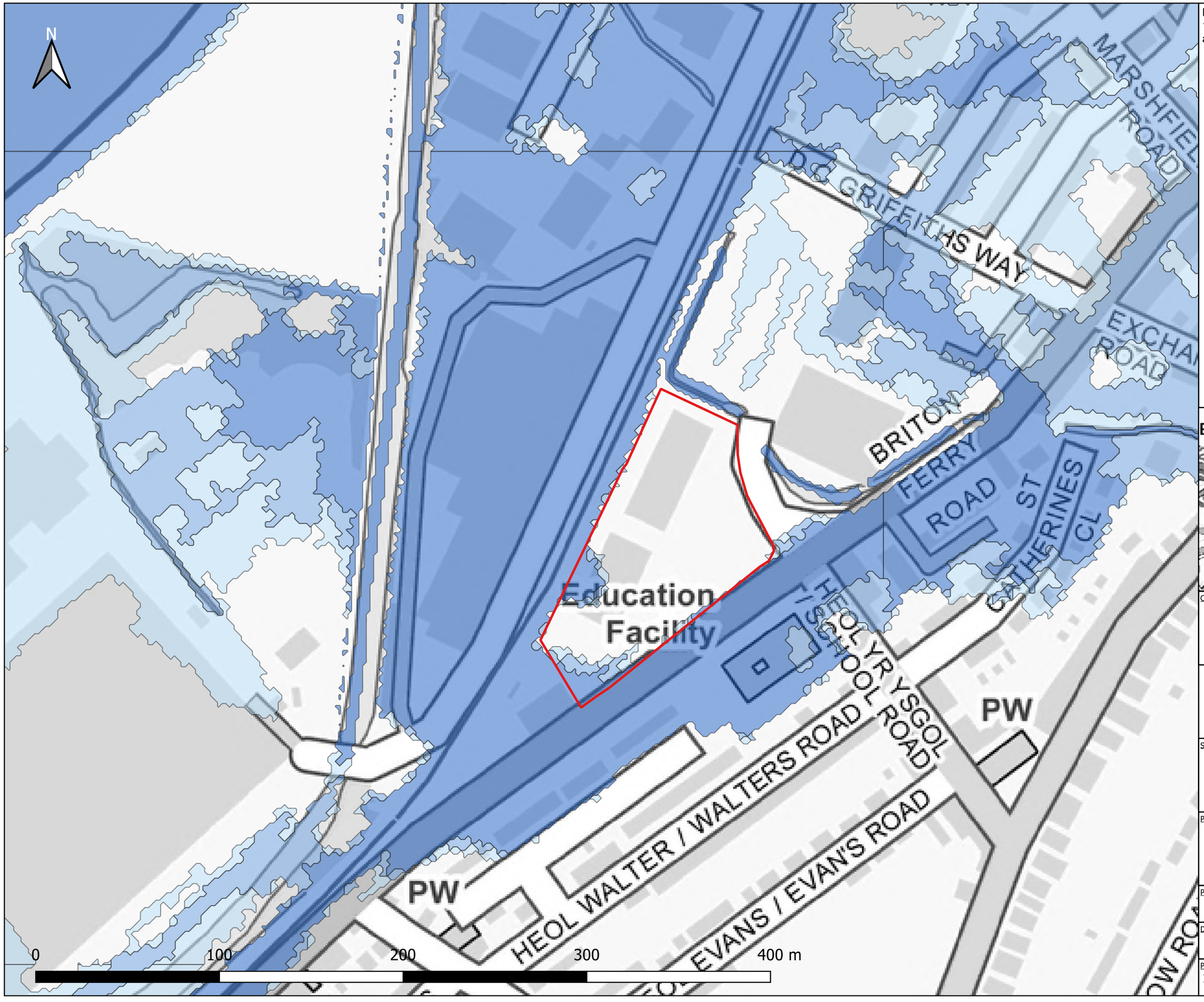
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NRW Development Advice Map
Data accessed January 2022

PLOT STATUS:			DATE:
FINAL			07-01-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AJ	AW	1:2000

PLOT NAME:	REVISION:
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Notes:
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LEGEND

- Site Boundary

Flood Risk from Rivers

- High
- Medium
- Low



CLIENT: LIDL

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www.waterco.co.uk

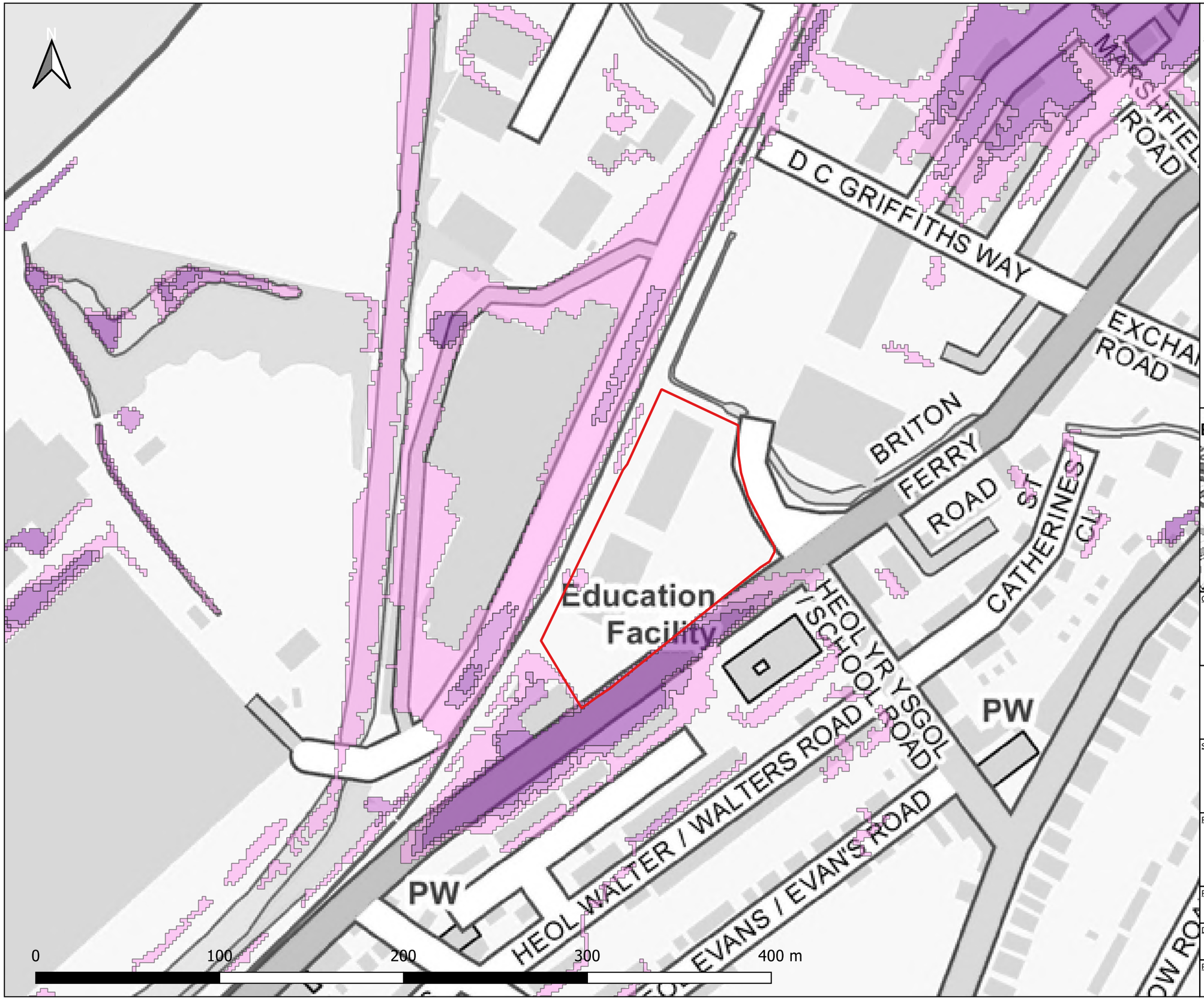
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LIDL - BRITON FERRY ROAD, NEATH

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Data accessed January 2022

PLOT STATUS:			DATE:
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PLOT NAME:	REVISION:
13099_NRW_Flood_Risk_from_Rivers	-

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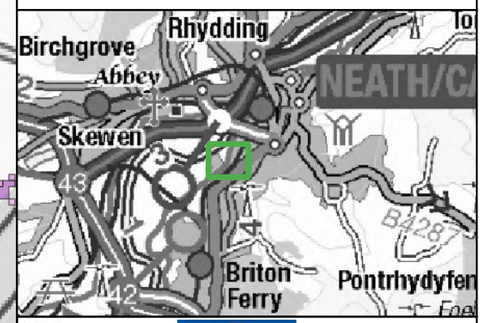
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Flood Risk from Surface Water & Small Watercourses

- High
- Medium
- Low



CLIENT: LIDL

waterco
www.waterco.co.uk

SCHEME:
LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:
NRW Flood Risk from Surface Water & Small Watercourses
Data accessed January 2022

PLOT STATUS:	DATE:
FINAL	07-01-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AJ	AW	1:2000

PLOT NAME:	REVISION:
13099_NRW_Flood_Risk_from_Surface_Water	-

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N

D C GRIFFITHS WAY

MARSHFIELD ROAD

EXCHANGE ROAD

BRITON FERRY ROAD

ST CATHERINES CL

Education Facility

YSGOL GYFUN GYMRAEG ISCHOOL

HEOL WALTER / WALTERS ROAD

EVANS / EVAN'S ROAD

PW

PW

0 100 200 300 400 m

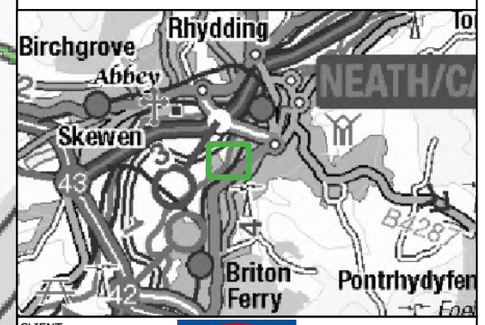
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

Site Boundary

Flood Risk from the Sea

- High
- Medium
- Low



CLIENT: LIDL

waterco
www.waterco.co.uk

SCHEME:
LIDL - BRITON FERRY ROAD, NEATH

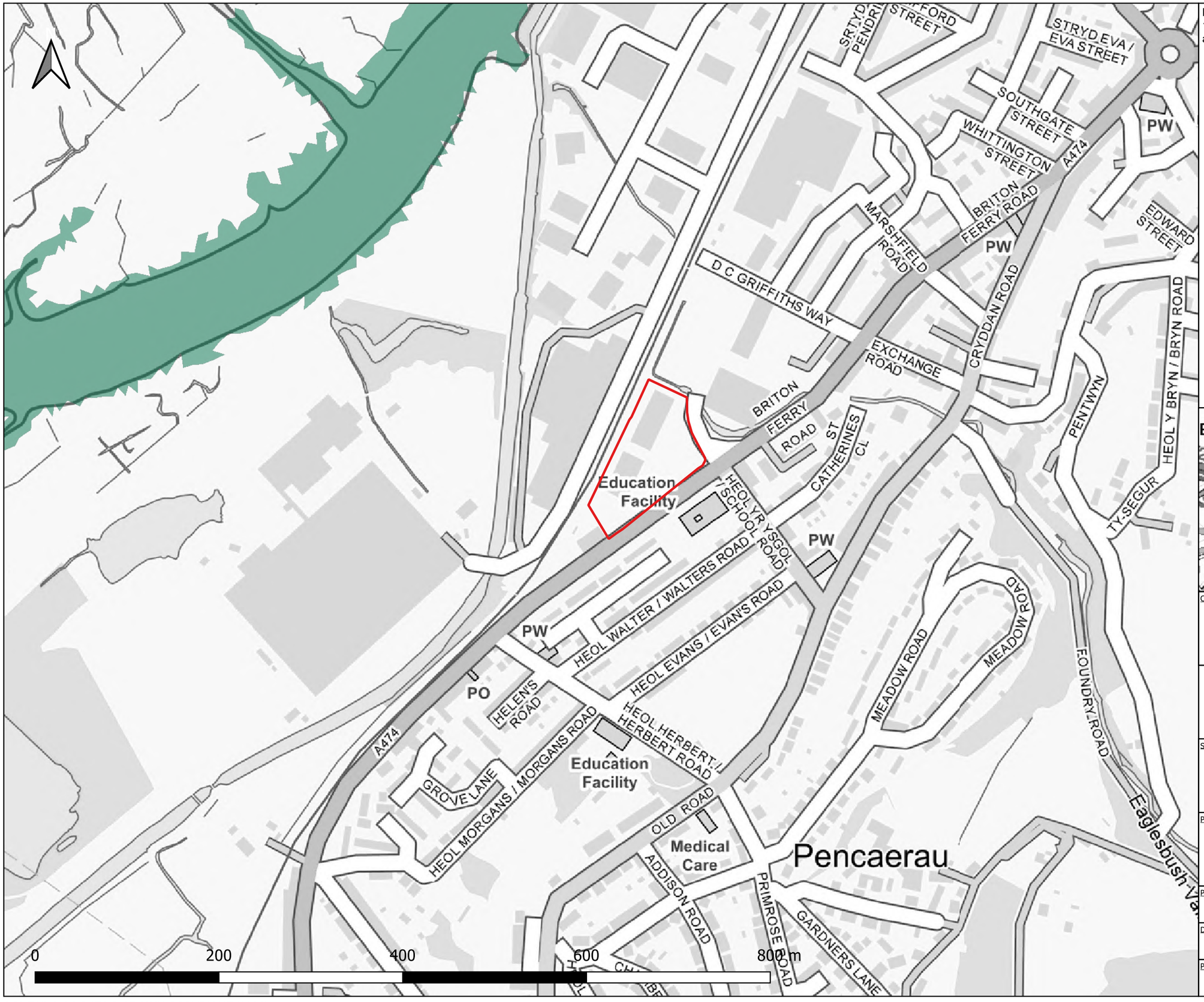
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Data accessed January 2022

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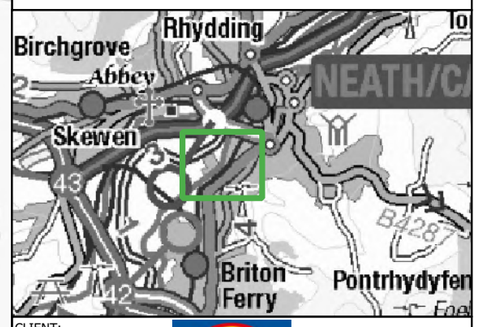
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Notes:
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LEGEND

- Site Boundary
- Flood Risk from Reservoirs Extent



CLIENT: LIDL

waterco
www.waterco.co.uk

SCHEME: LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE: NRW Flood Risk from Reservoirs Data accessed January 2022

PLOT STATUS:	DATE:
FINAL	07-01-2022

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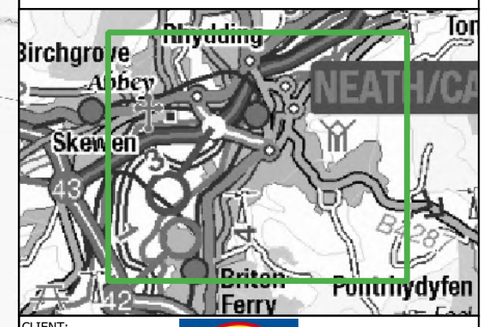
PLOT NAME:	REVISION:
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Notes:
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LEGEND

- Site Boundary
- Recorded Flood Extent



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:
LIDL - BRITON FERRY ROAD, NEATH

PLOT TITLE:
NRW Historic Flood Risk
Data accessed January 2022

PLOT STATUS:			DATE:
FINAL			07-01-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AJ	AW	1:15000

PLOT NAME:	REVISION:
13099_NRW_Historic_Flood_Risk	-

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Appendix G SAB Correspondence

Johanne Williams

From: Justin W. Griffiths <j.griffiths4@npt.gov.uk>
Sent: 20 September 2021 14:17
To: Julie Burden; Johanne Williams
Cc: Delyth A. Thomas; Nicholas Waters; Julie Burden
Subject: RE: 13099-SAB - PRELIM SAB APPLICATION FOR LIDLE, BRITON FERRY ROAD, NEATH
Attachments: Water_Quality_SuDS_tool.xls

Importance: High

Categories: Information received

Dear Mrs Johanne Williams

PRELIM SAB APPLICATION FOR LIDLE, BRITON FERRY ROAD, NEATH

Thank you for your Prelim SAB submission dated 17th September 2021.

I wish to provide you with the formal response based upon the information that you have submitted to date.

Submission details

1. Prelim SAB application and payment thereof.
2. Proposed Site Plan PSK409 rev G

STANDARD 1 – Destination

- Your compliance with Standard Principles [page 9 of your application] States that the proposed destination of the surface would be attenuated and either discharged to the Cryddan Brook or via 500mm drain within the A474. You will be required to assess all Priority Levels within Standard 1, for example have considered green roof or partial green roof so that some water can be used or be used on by the roof garden?
- You refer to Priority level 2 (infiltration) will be looked at when further GI or SI report is complete. However your compliance (as above) states otherwise?
- The whole purpose of SABs is to encourage good design and rigorous investigations to that we found the best option available for each individual site, and meets with the 4 pillars of SAB such as Water Quality, Quantity, Amenity and Biodiversity.
- We recommend that you provide us with an engineering plan showing how the surface water (flow routes) is current disposed of with the site in question, we can then invite you to Teams Meeting with relevant stakeholders to discuss the best options available to suite all stakeholders.

STANDARD 2 – Design and Hydraulic control

- No detail have been provided other then proposals to discharge the surface water at 1 in 100 plus cc event, however you have not exhausted all priority levels. Once we have decided upon the best suitable SuDs designs that can be achieved and is reasonable and suitable for all, we can then request hydraulic calculations complaint with the SAB guidelines and also consider exceedance routes.
- Our guidelines requires a 1 in 100year storm event plus 30-40% climate change.
- It is noted that this land is brownfield. However we would be looking for a minimum of 30% betterment in terms of discharge.

STANDARD 3 – Water quality

- The application refers to water treatment being dealt with via permeable paving, tree pits, rain gardens and peripheral landscaping - No details or locations shown.
- I've attached the Water Quality SuDS Tool we use for developments, this may be useful for you to understand the amount of treatment stages you require for such a development.

STANDARD 4 – Amenity

- No details of amenity provided, however the revised car parking area may be able to lend itself to providing good amenity in terms of landscaping, permeable surfacing.

STANDARD 5 – Biodiversity

- No details of any ecological enhancements for the SuDS or SuDS components. This will need to be submitted when you have determined what type drainage design you wish to submit having undertaken further investigations.

STANDARD 6 - Management & Maintenance

- No details submitted.
- Based upon this being just one unit/plot it shall be exempt from SAB adoption. Nevertheless a full management and maintenance schedule is required for approval.
- However should you client wish to transfer any of the SuDS components over for SAB adoption the they shall be subjected to commuted sums to cover up to 60yrs maintenance (in accordance with the County Surveyors Society)

Unfortunately your first submission has very little details for us to review/assess. However, there is no statutory timescales on Prelim application therefore you able to resubmit details until we are ready to submit for a full SAB application. Once you have collated enough details please submit and we shall then discuss your proposals online (via Teams).

I trust that the above is of assistance, however if you would like to discuss this matter further please don't hesitate to contact me.

Yours Sincerely

Cofion cynnes / Kind regards

Justin W. Griffiths

BSc(Hons), MSc, FCABE, C.Build E, FIHE MCIOB.

SAB & Highway Development Control Manager/ SAB a Rheolwr Rheoli Datblygu Priffyrdd
Neath Port Talbot County Borough Council/ Cyngor Bwrdeistref Sirol Castell-nedd Port Talbot

Tel/Ffôn: 01639 686397
Email / E-bost: j.griffiths4@npt.gov.uk

The Quays, Brunel Way, Neath SA11 2GG
Y Ceiau, Ffordd Brunel, Castell-nedd, SA11 2GG

We welcome correspondence in Welsh and will deal with Welsh and English correspondence to the same standards and timescales.
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From: Johanne Williams <Johanne.Williams@waterco.co.uk>
Sent: 17 September 2021 09:24
To: HDC <hdc@npt.gov.uk>
Subject: 13099-SAB

Dear Sir / Madam,

Please find attached a completed SAB request form and proposed site plan. We will call to arrange payment shortly.

If you have any questions or require further information to process our request, please don't hesitate to contact me.

Kind regards,

Johanne Williams LLB (Hons) PgDip MCIWEM
Senior Environmental Consultant

DDI: 01244 986051
Office: 01824 702220
Teams: Johanne.Williams@waterco.co.uk

For 2021 we've been included in the CIWEM Consultant & Contractor File, which is available here



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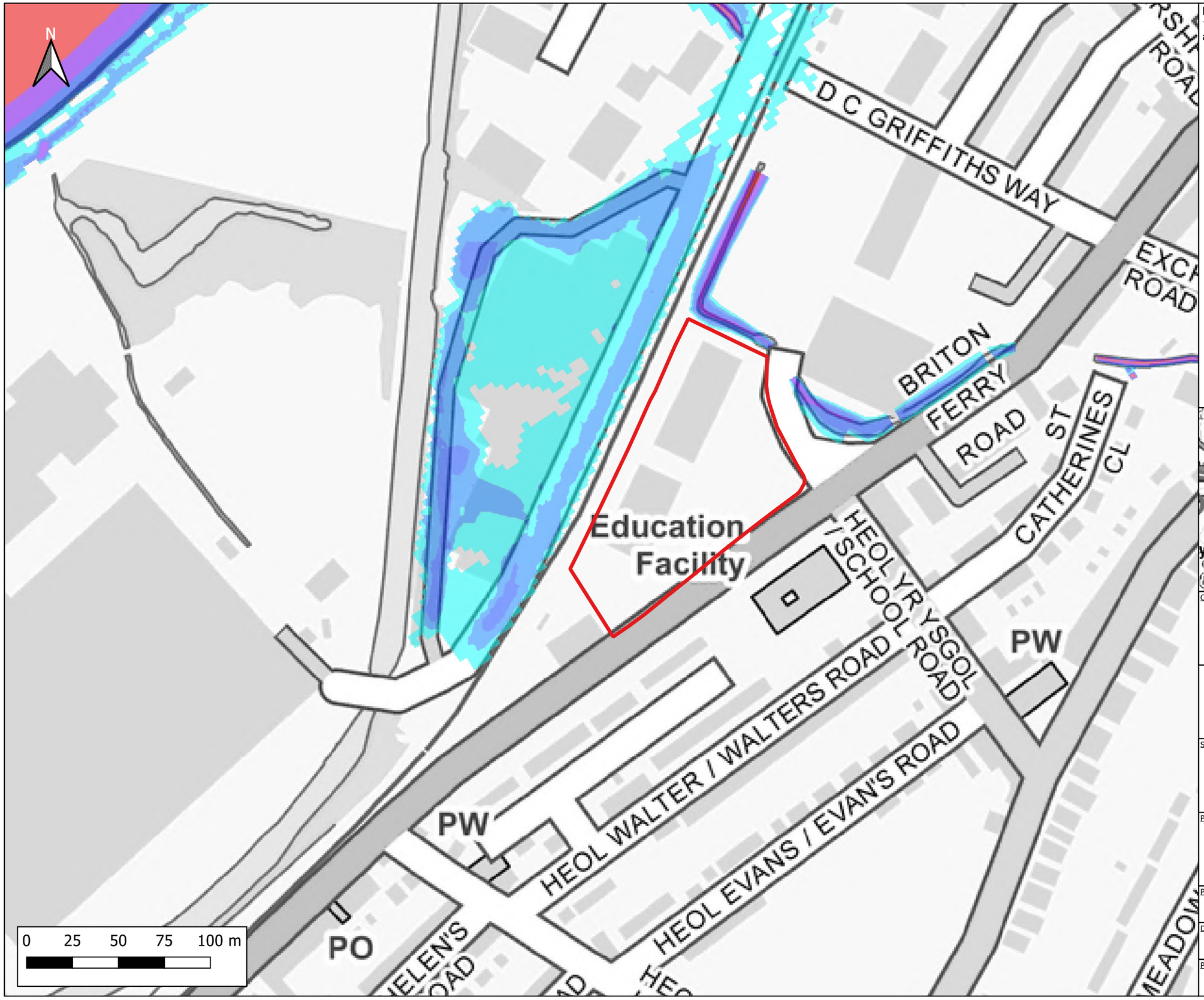
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Appendix H Modelled Output Mapping

Fluvial



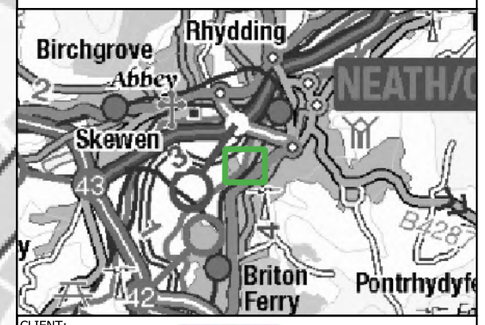
Notes:
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LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

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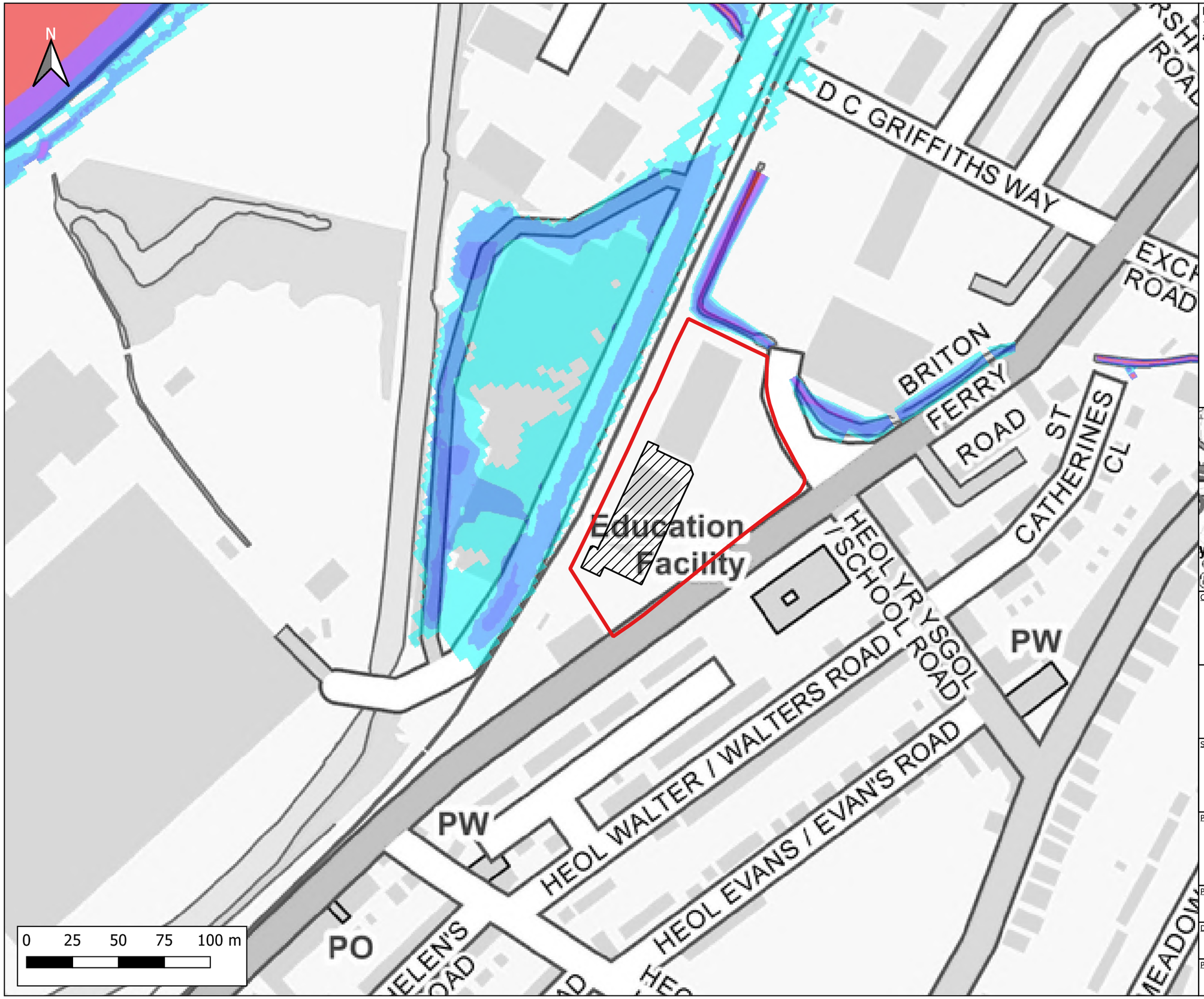
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Maximum Flood Depth
50% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

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FINAL			17-11-2022
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IH	AP	AW	1:2000

PLOT NAME:	REVISION:
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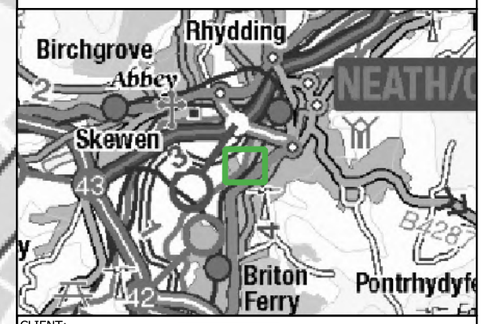
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LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth

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



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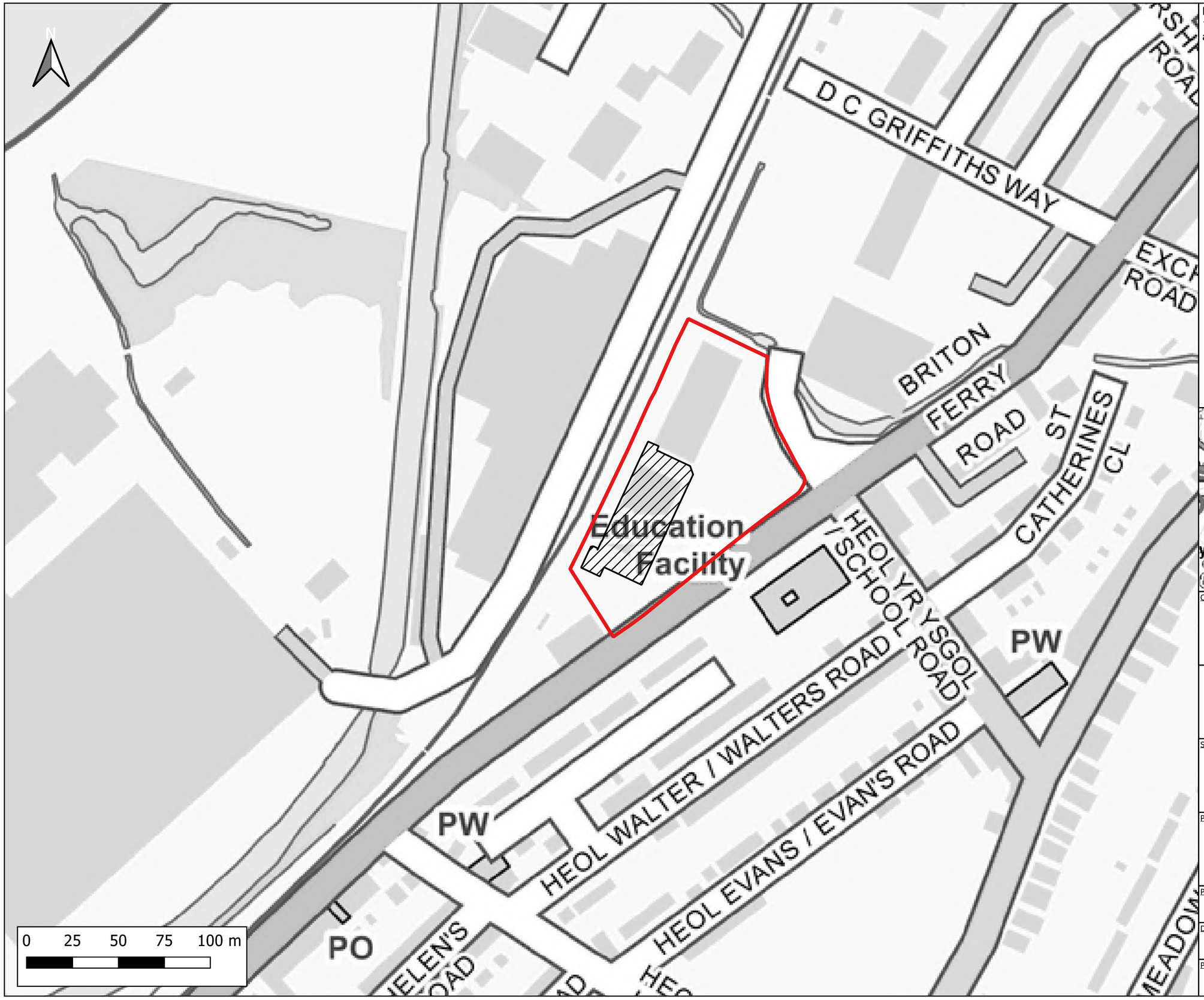
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Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
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PLOT NAME:	REVISION:
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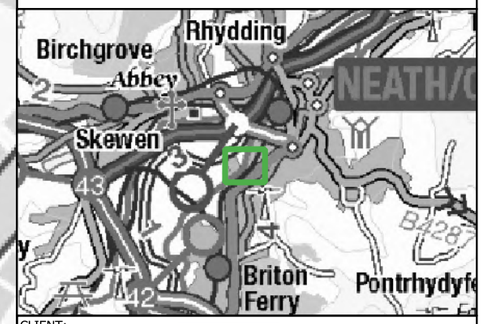
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LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



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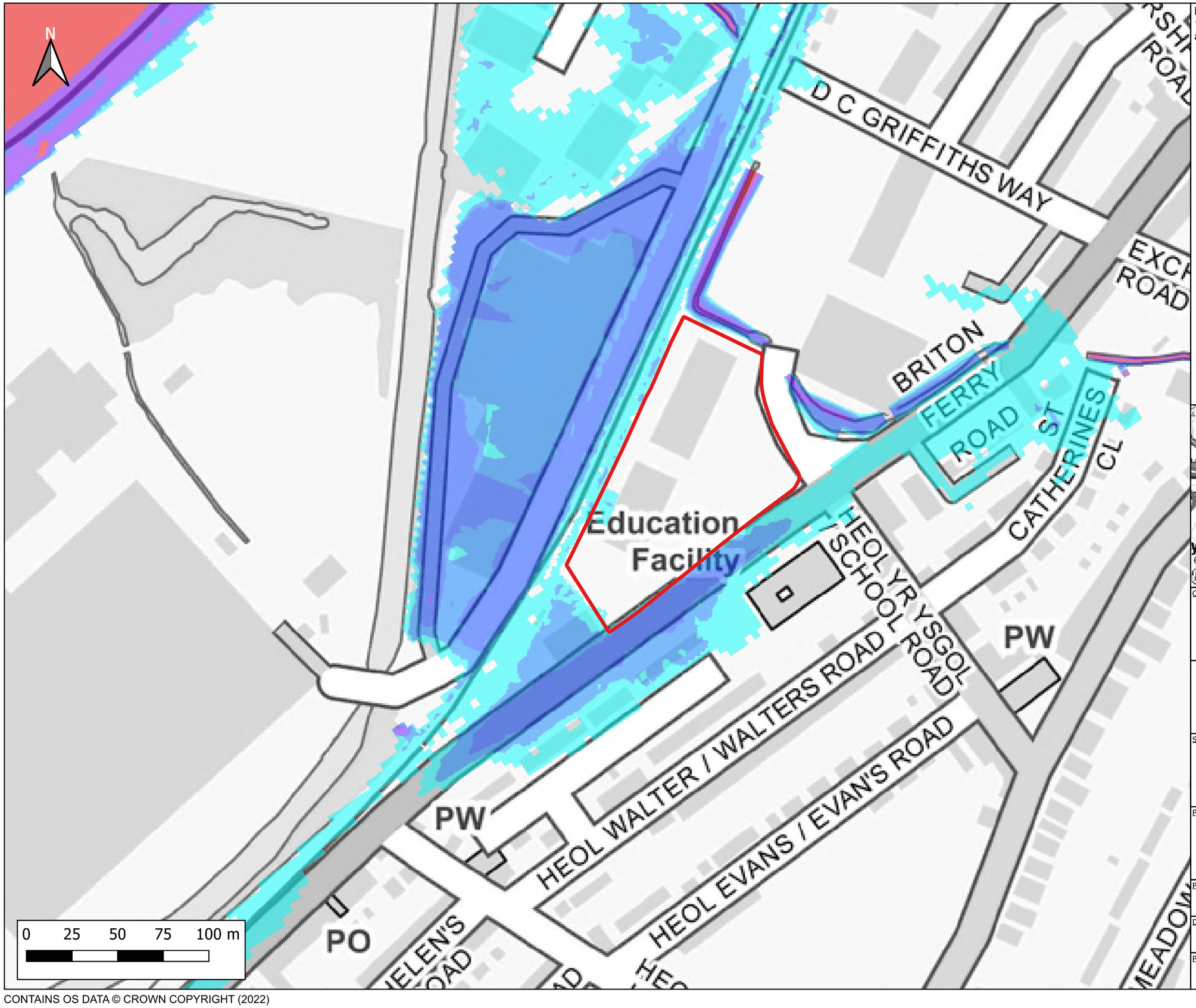
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DEV vs EXG
Normal Conditions

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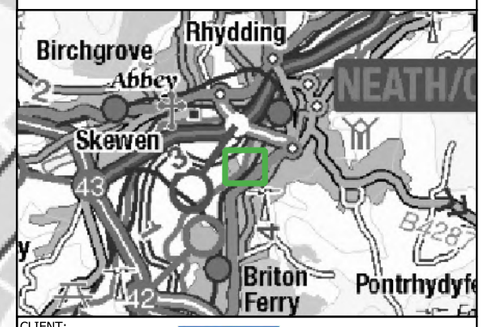
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LEGEND

- Site Boundary

Maximum Flood Depth

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



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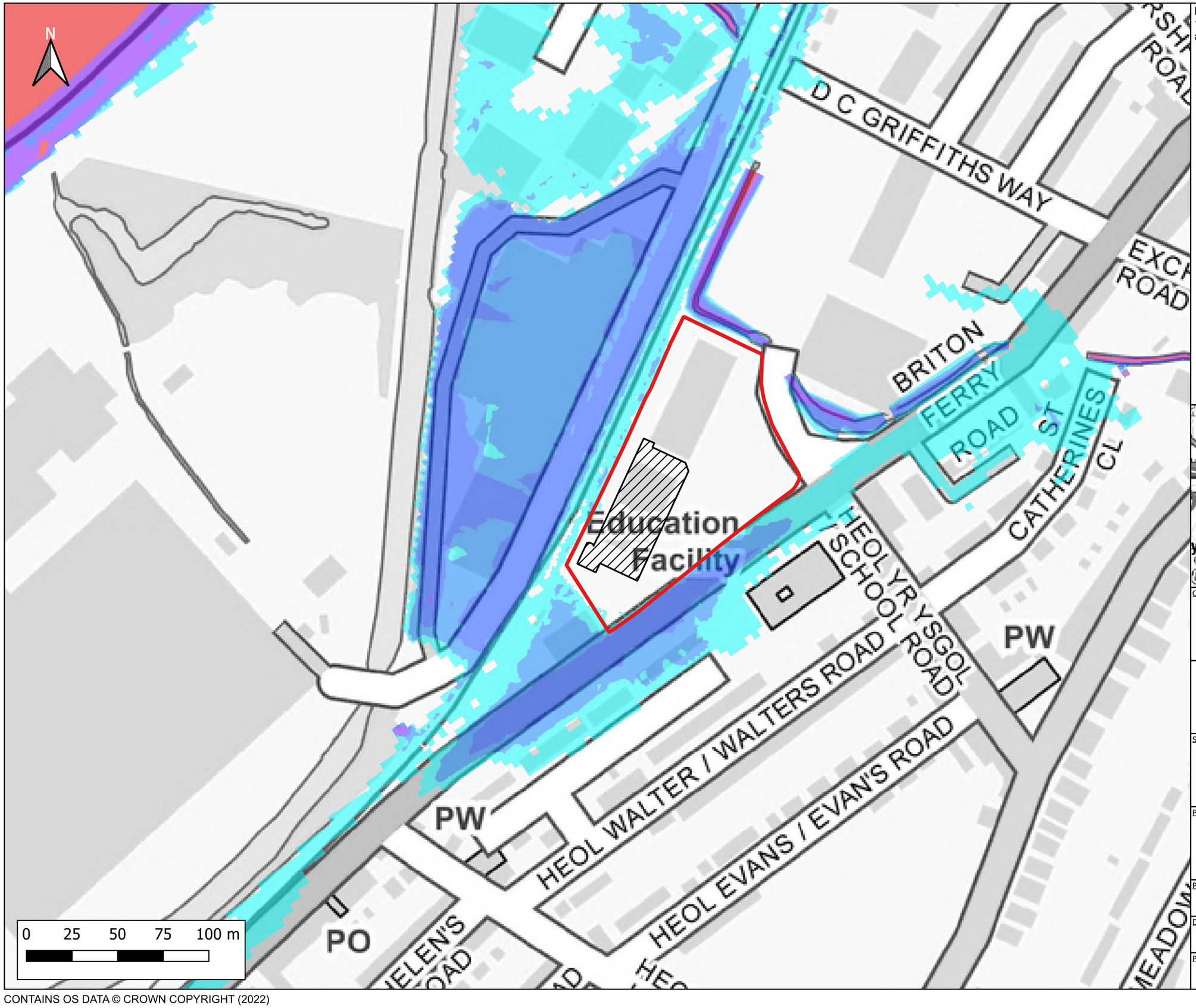
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Existing Site Layout (EXG)
Normal Conditions

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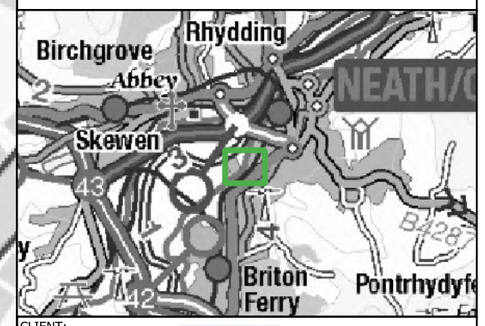
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LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth

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



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PLOT TITLE:

Maximum Flood Depth
50%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
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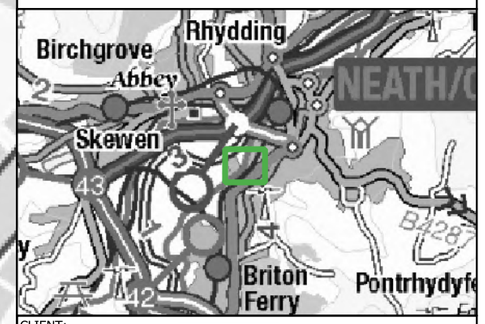
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LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



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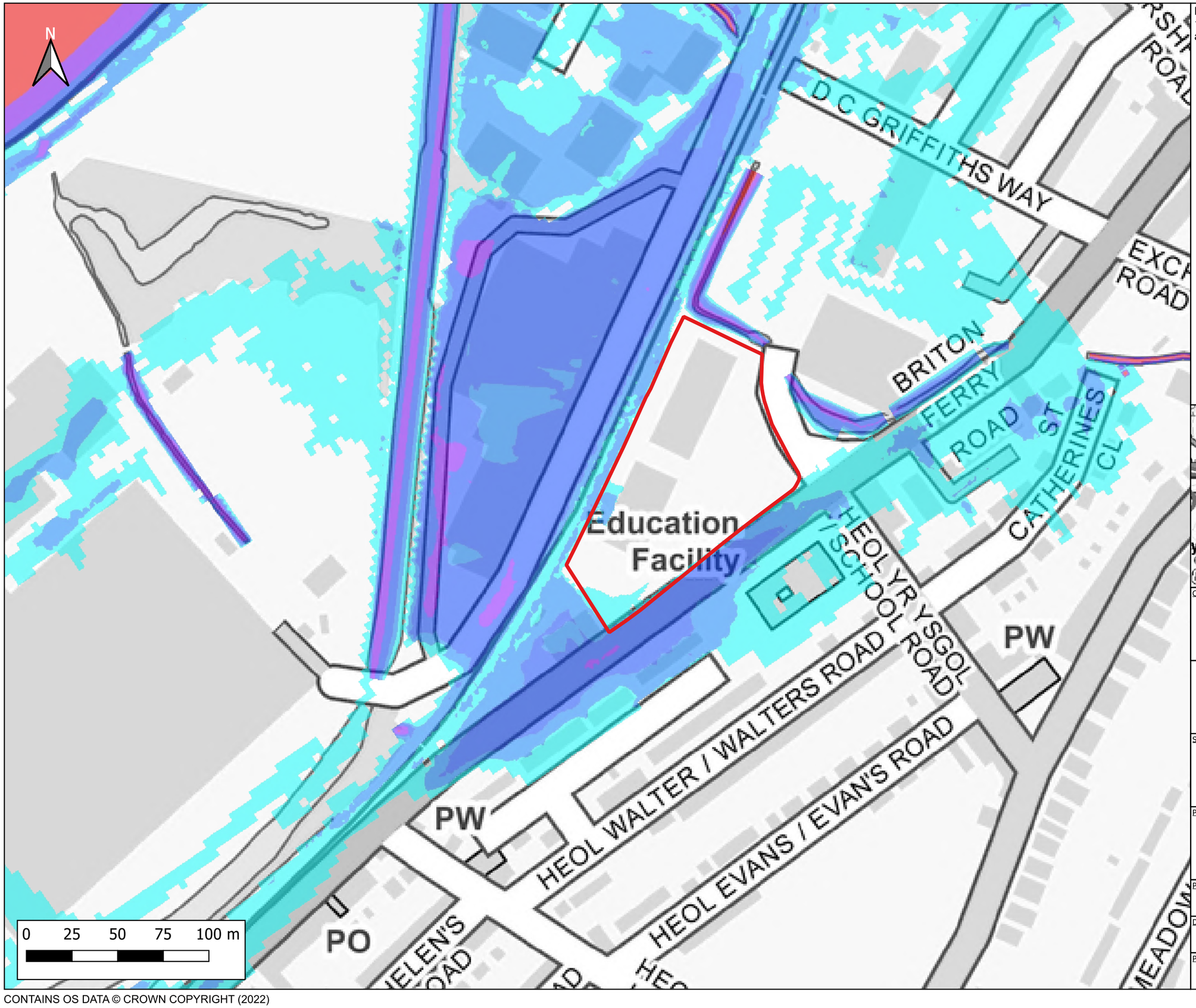
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DEV vs EXG
Normal Conditions

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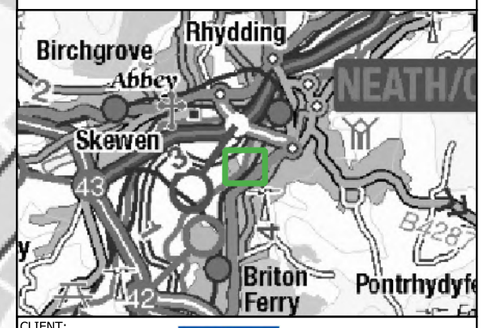
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LEGEND

- Site Boundary

Maximum Flood Depth

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- 0.3m - 0.6m
- 0.6m - 1.2m
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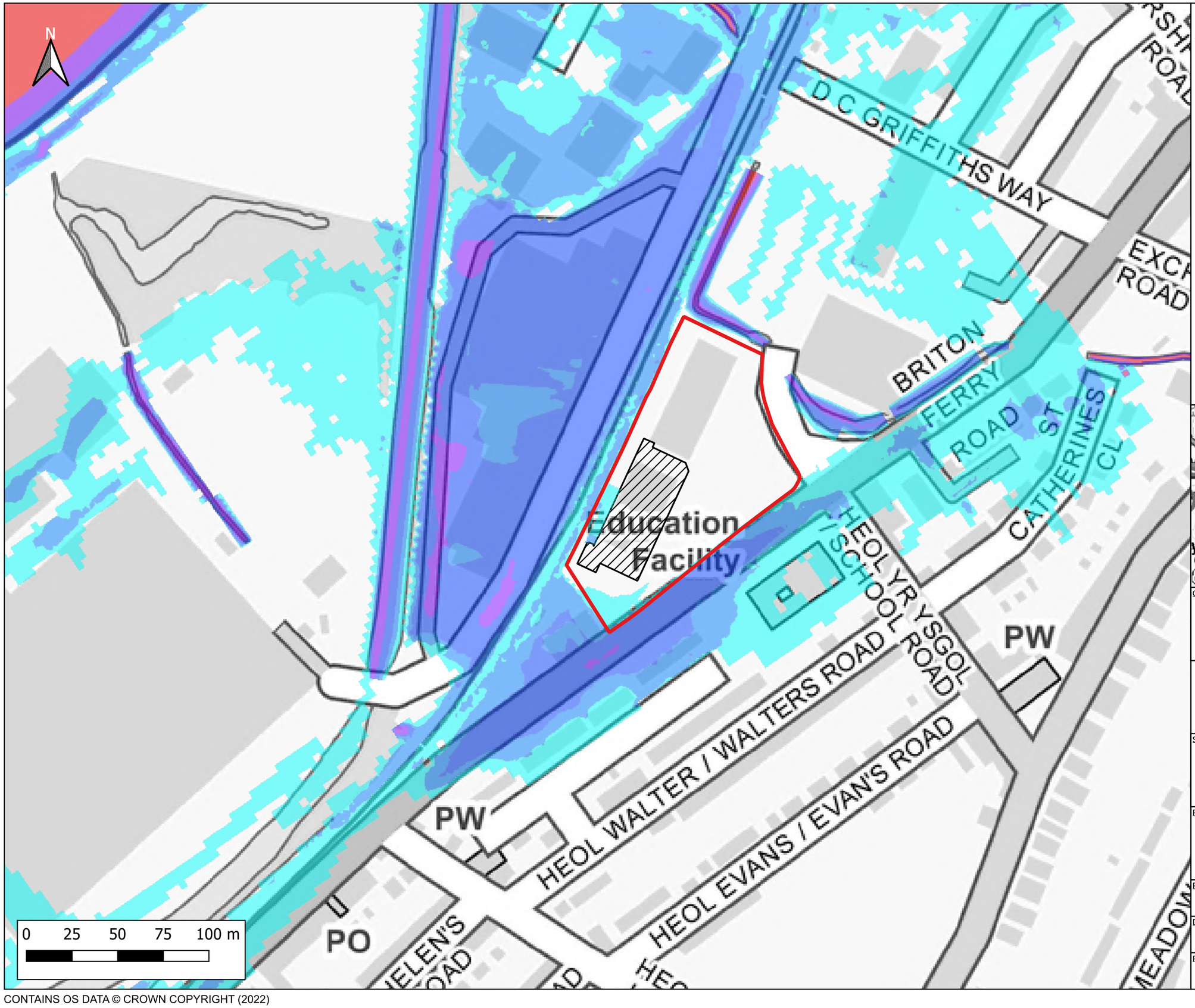
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Existing Site Layout (EXG)
Normal Conditions

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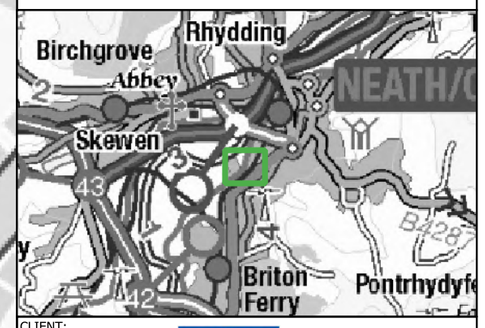
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- Site Boundary
- Proposed Store Extension

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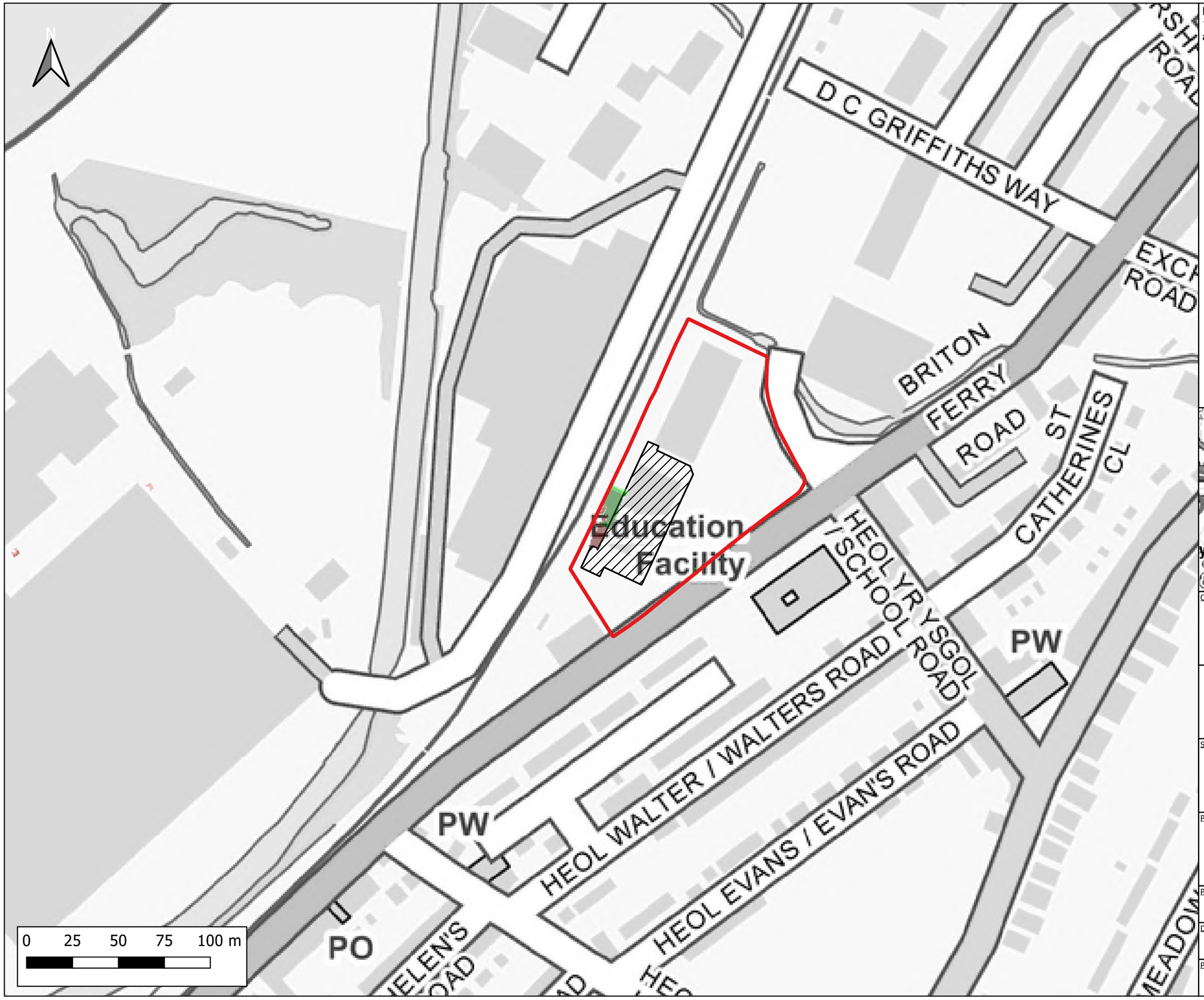
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Development Site Layout (DEV)
Normal Conditions

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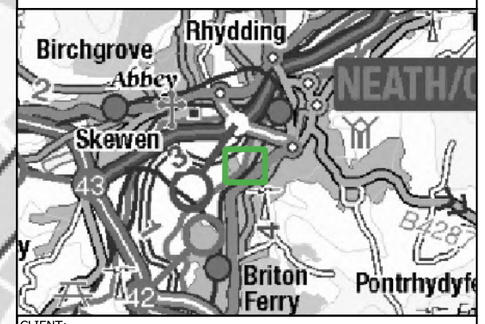
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PLOT TITLE:

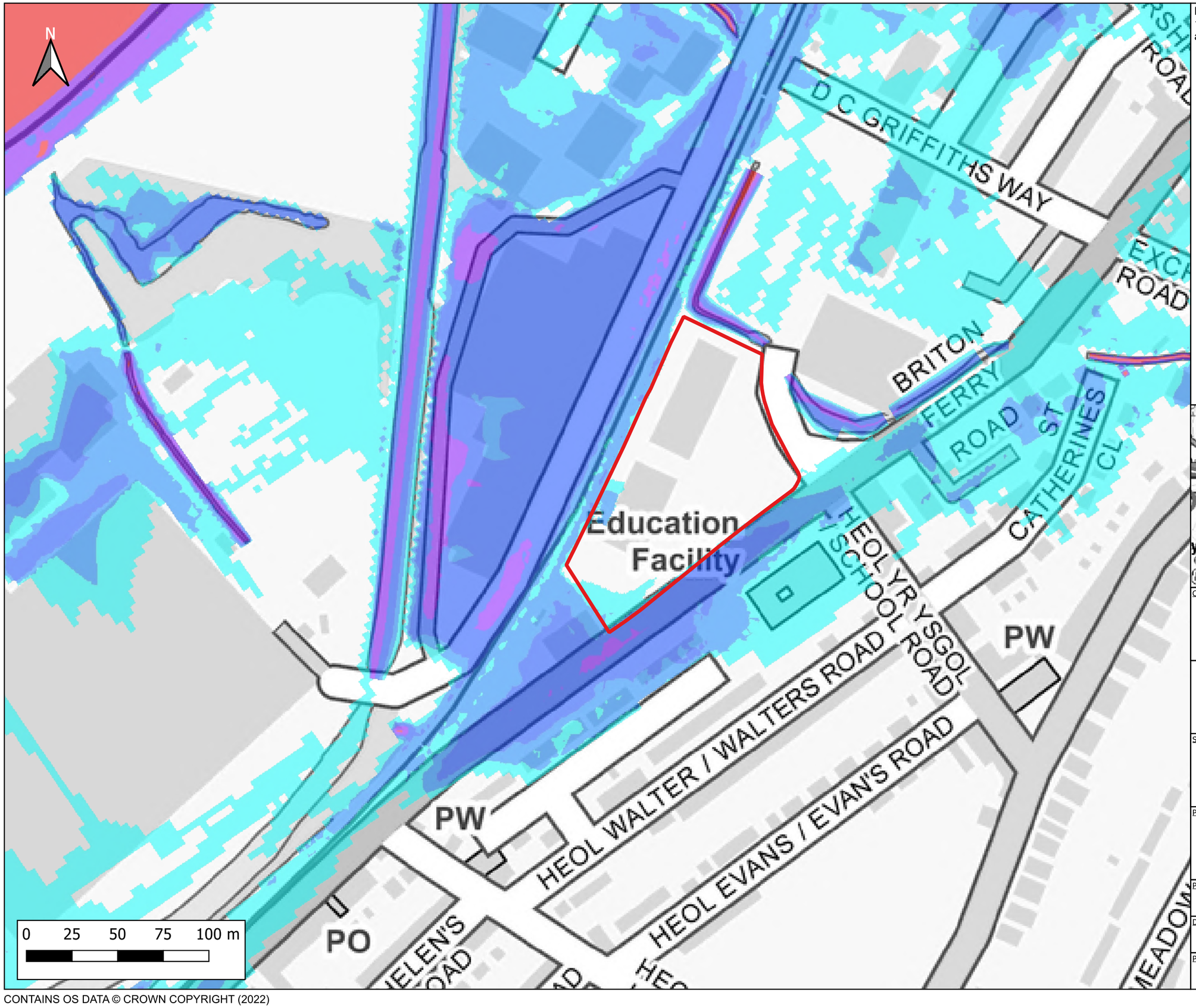
Maximum Depth Difference
2% AEP Plus MHWS 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
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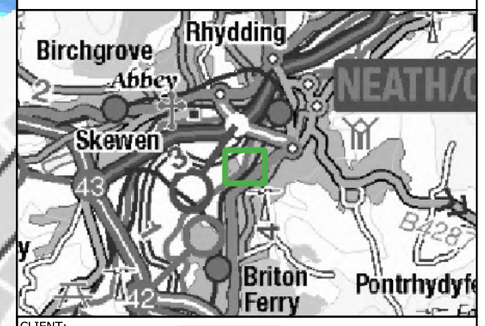
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PLOT TITLE:

Maximum Flood Depth
2%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

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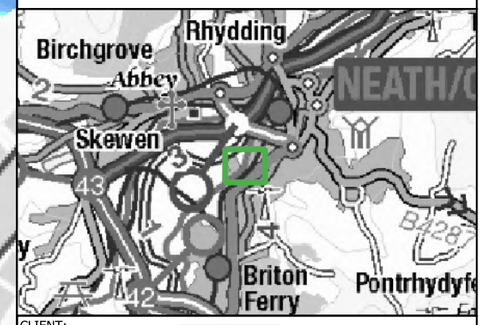
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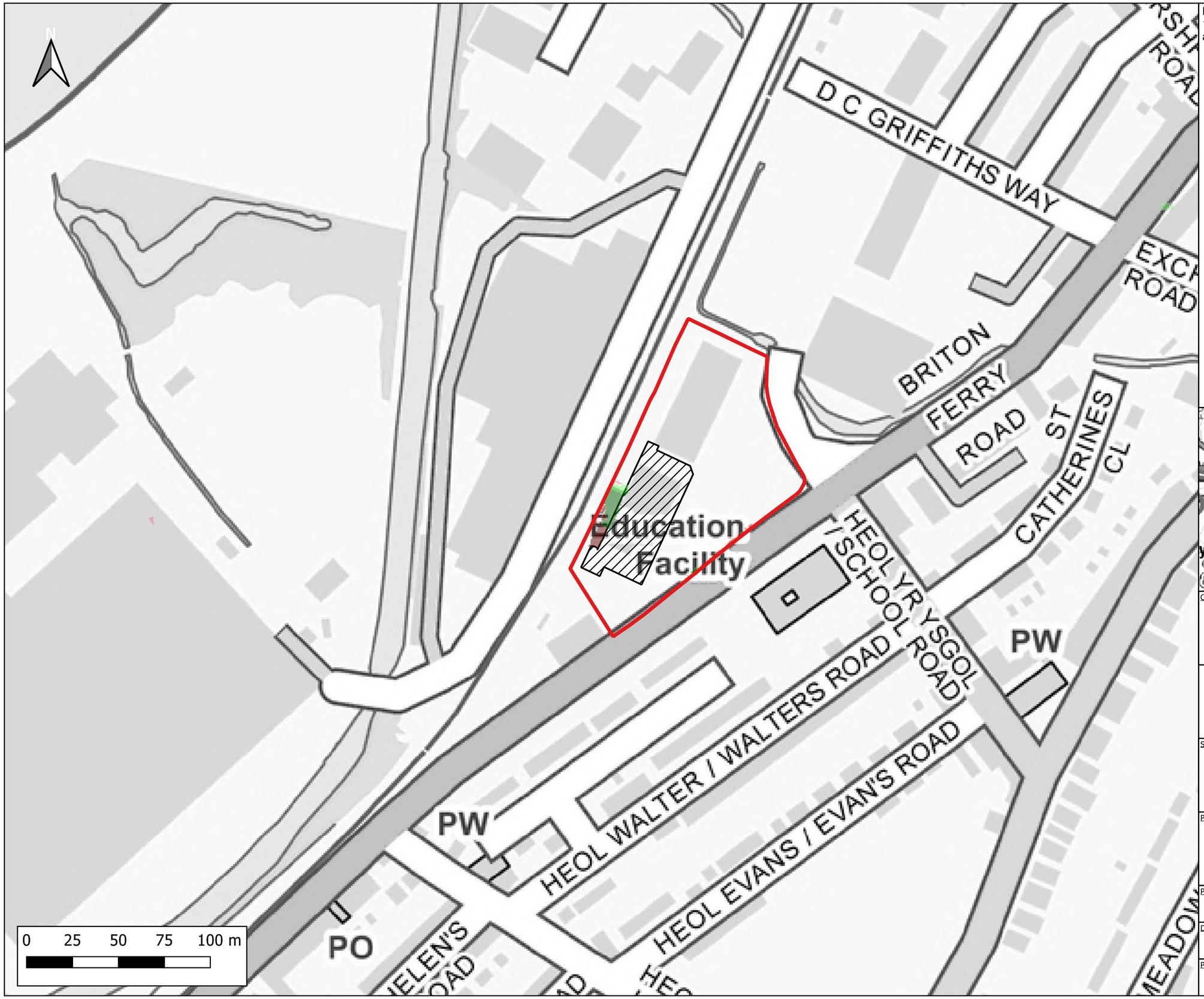
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2%+CC30 AEP Plus MHWS 2100
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13099_Q50CC30_MHWS_DEV_NC_d	-

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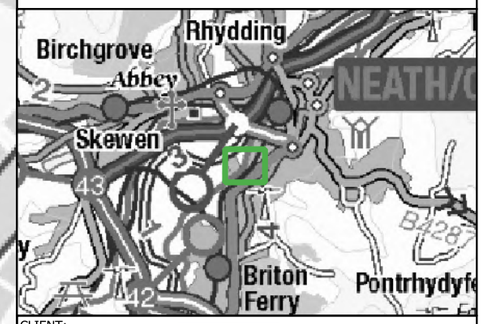
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

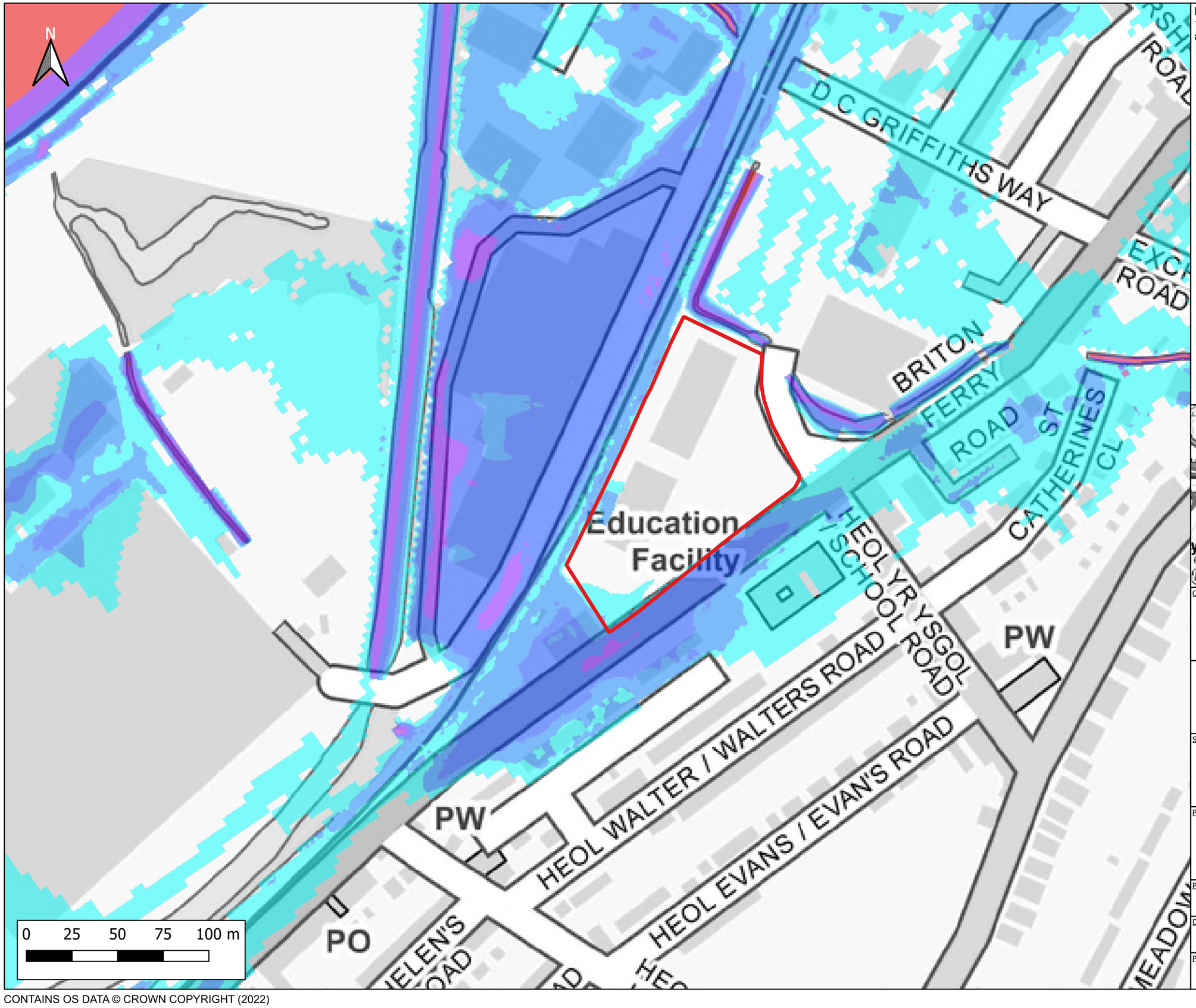
Maximum Depth Difference
2%+CC30 AEP Plus MHWS 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50CC30_MHWS_DEV-EXG_NC_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



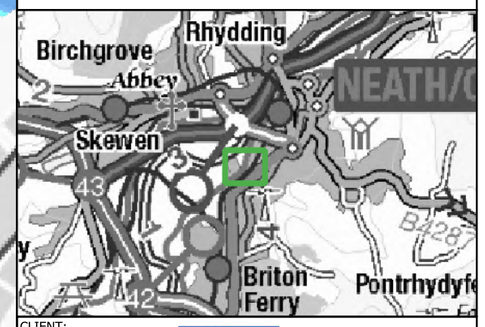
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME: Lidl, Briton Ferry Road, Neath

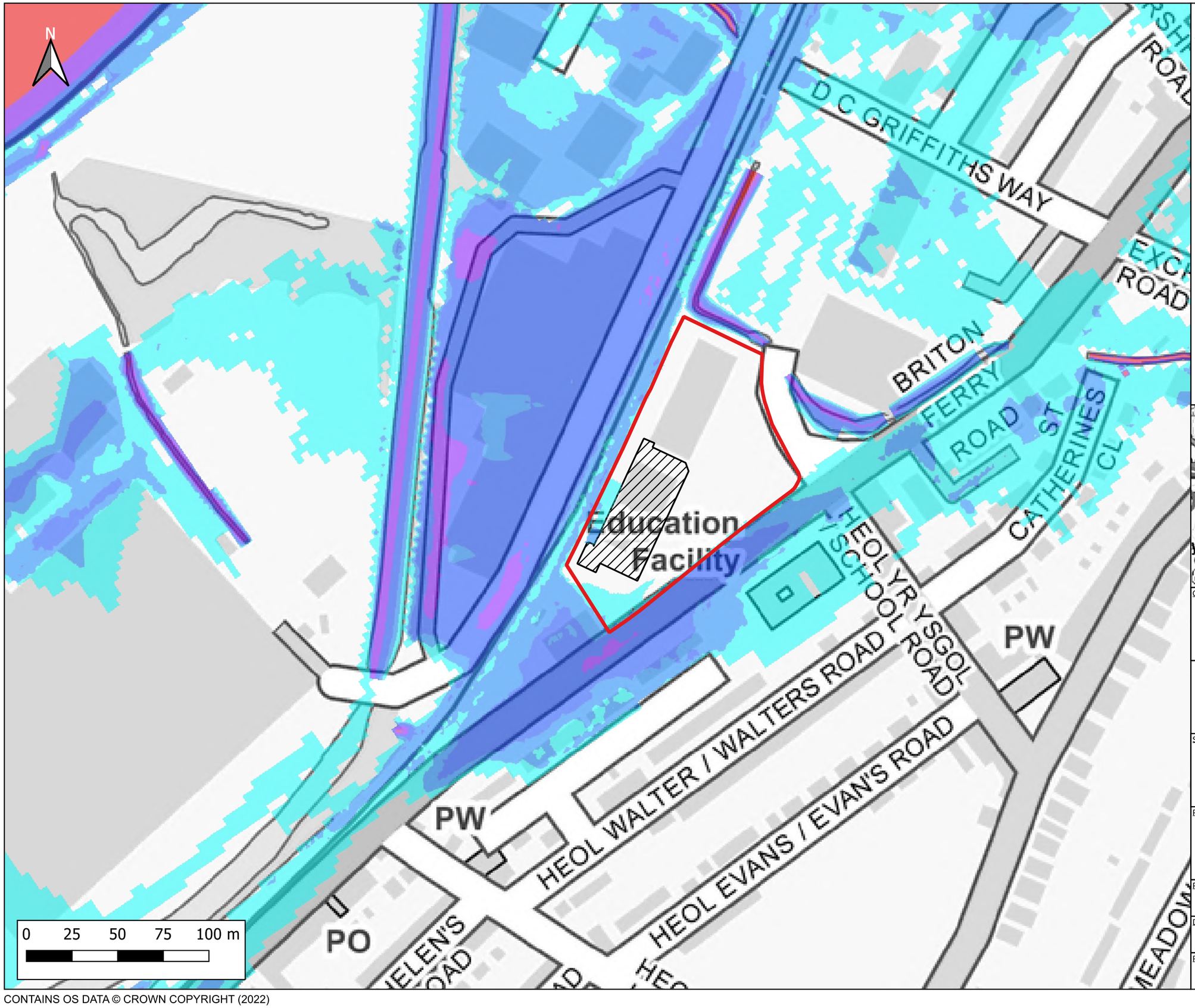
PLOT TITLE: Maximum Flood Depth
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



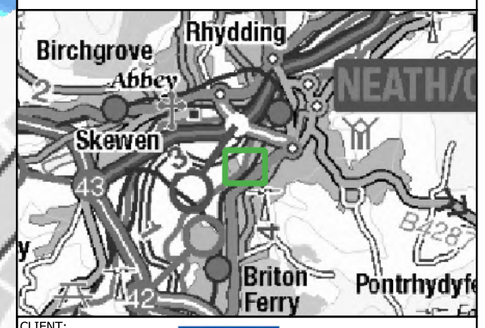
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

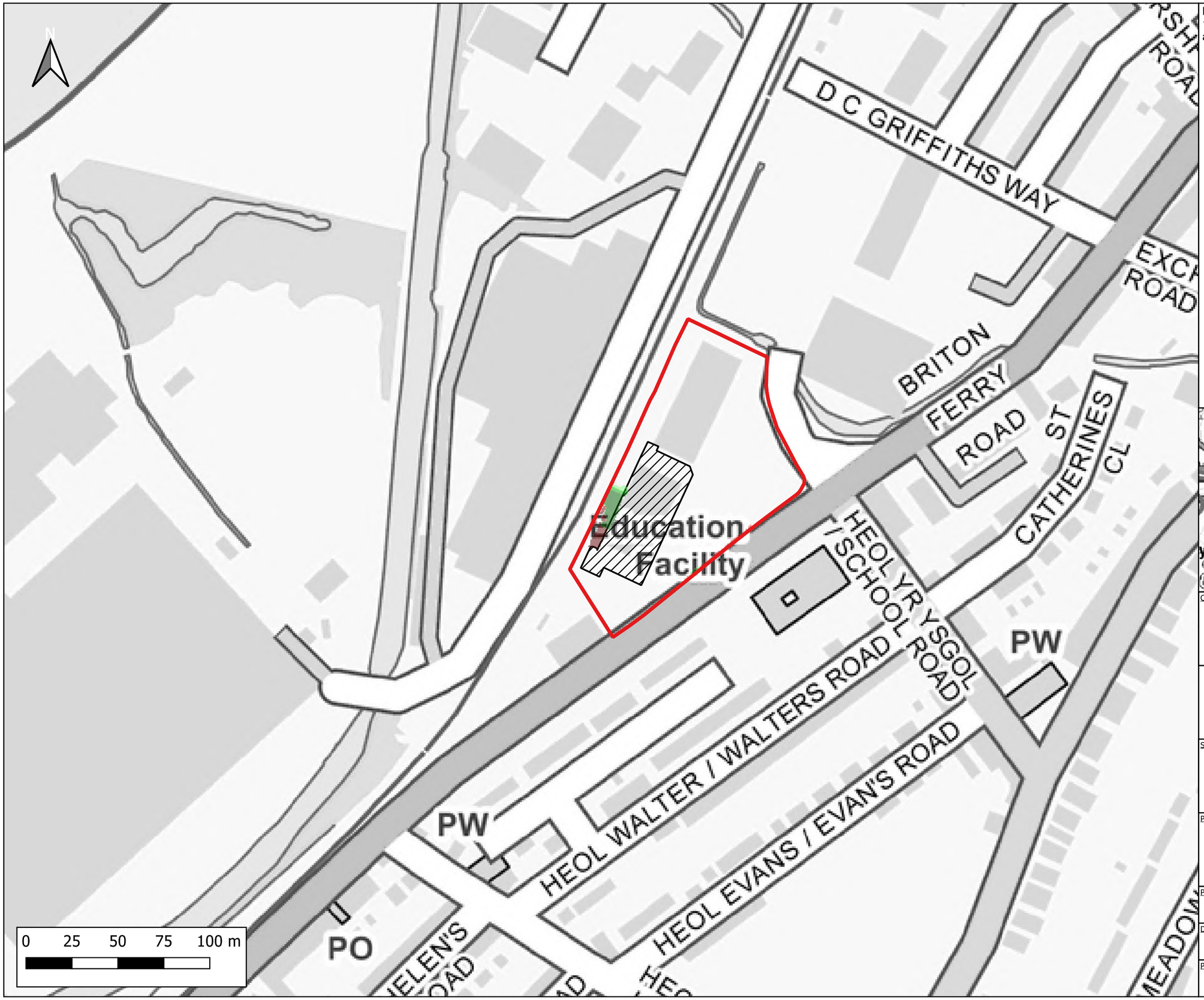
Maximum Flood Depth
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



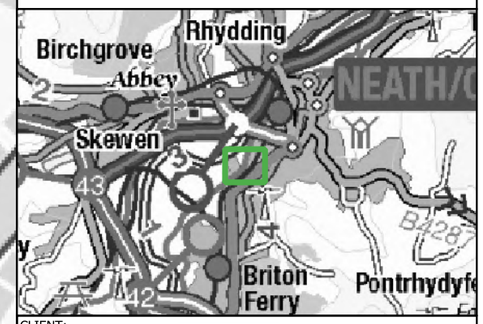
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

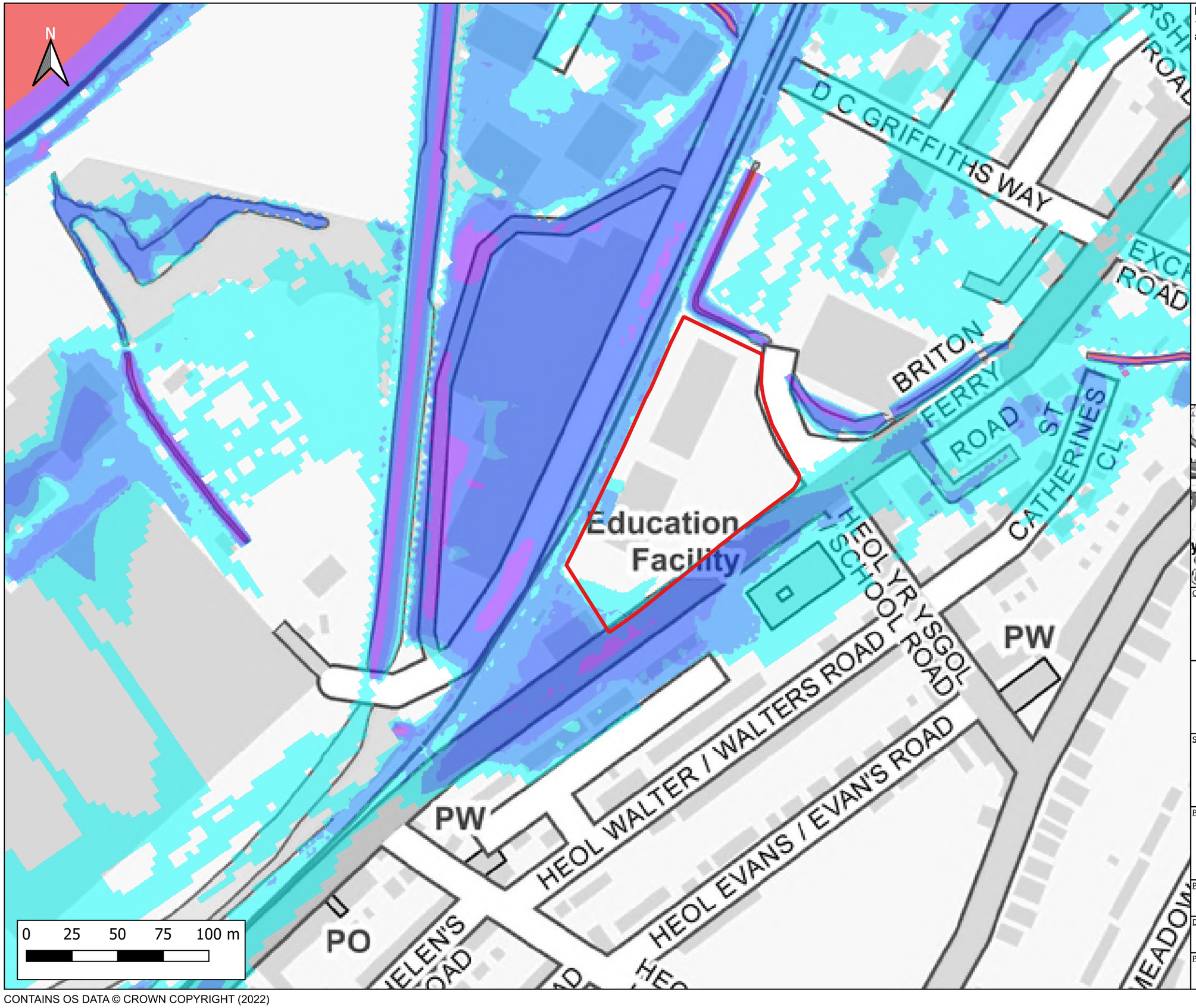
PLOT TITLE:
Maximum Depth Difference
1% AEP Plus MHWS 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV-EXG_NC_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



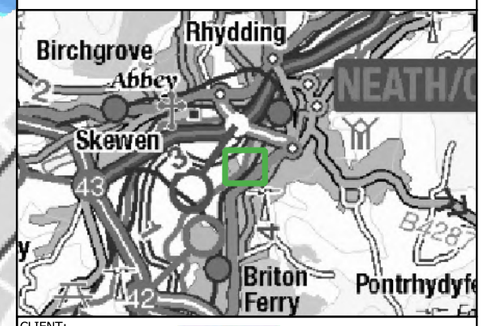
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

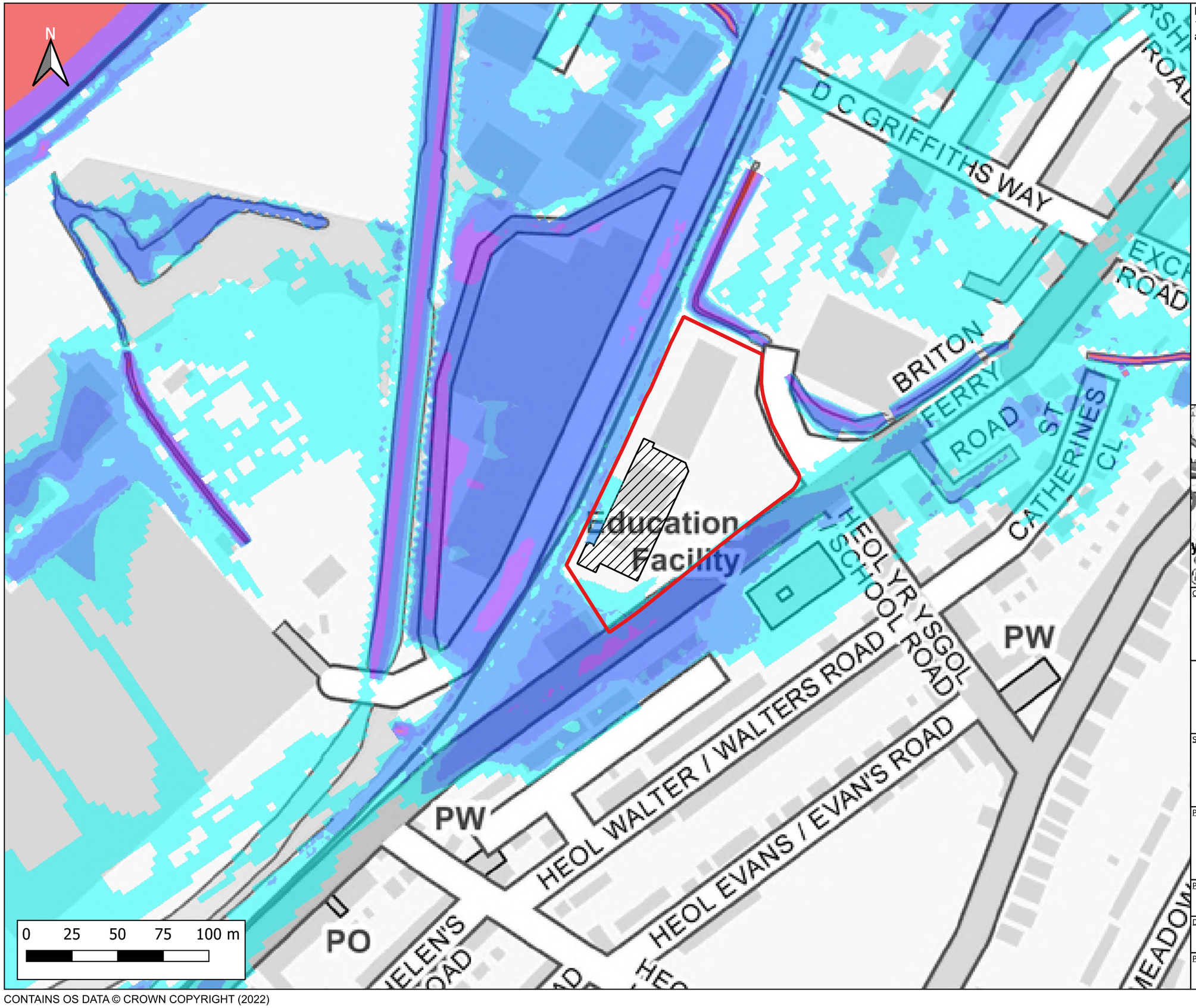
Maximum Flood Depth
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



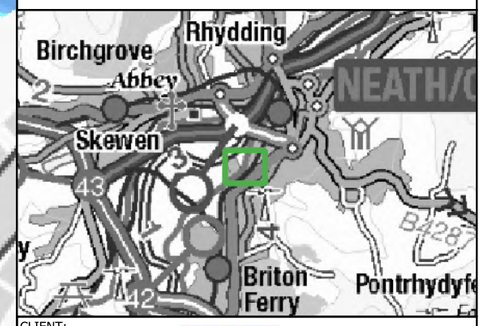
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

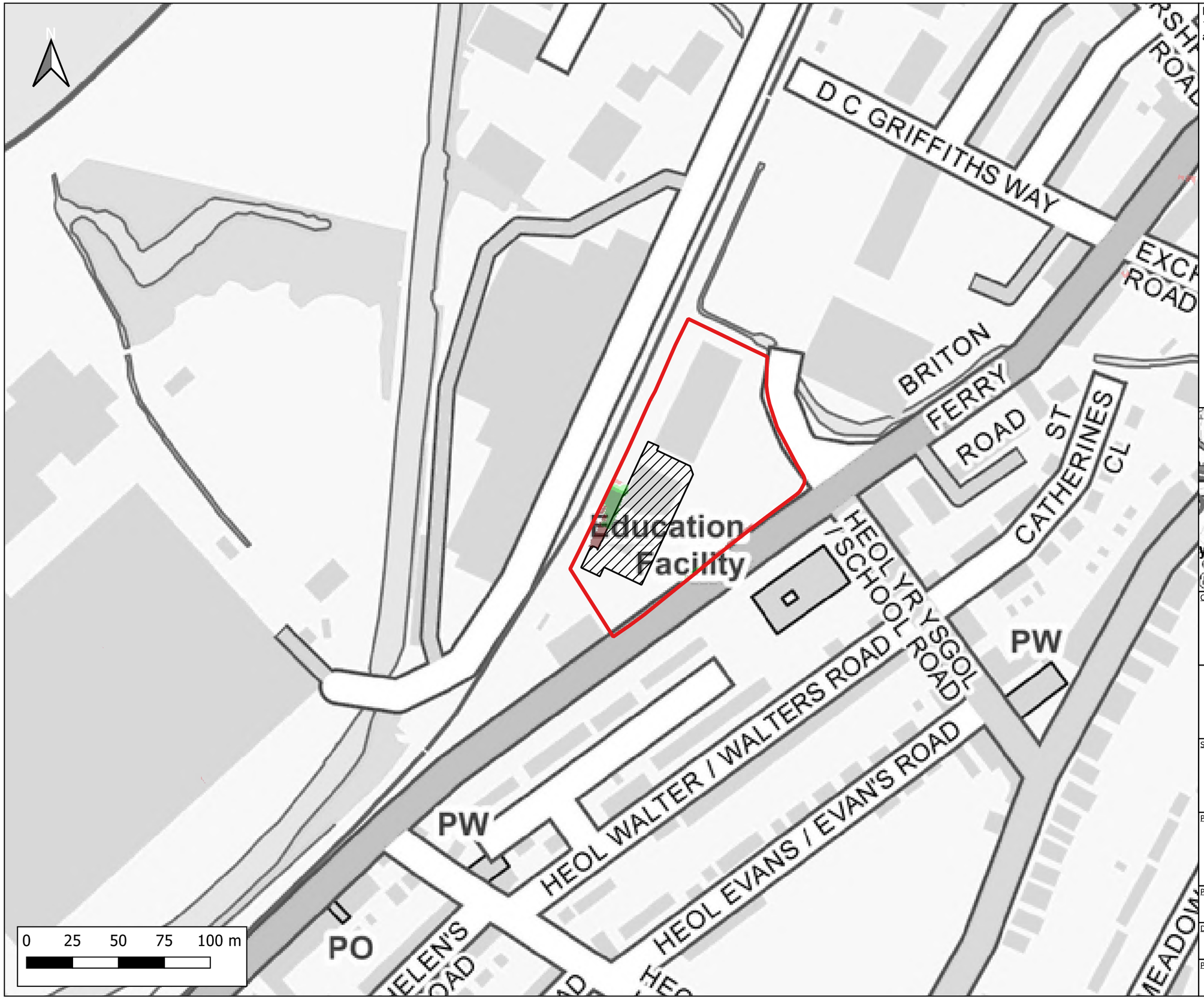
PLOT TITLE:

Maximum Flood Depth
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



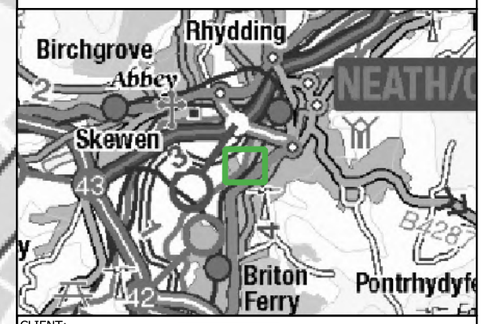
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT: LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

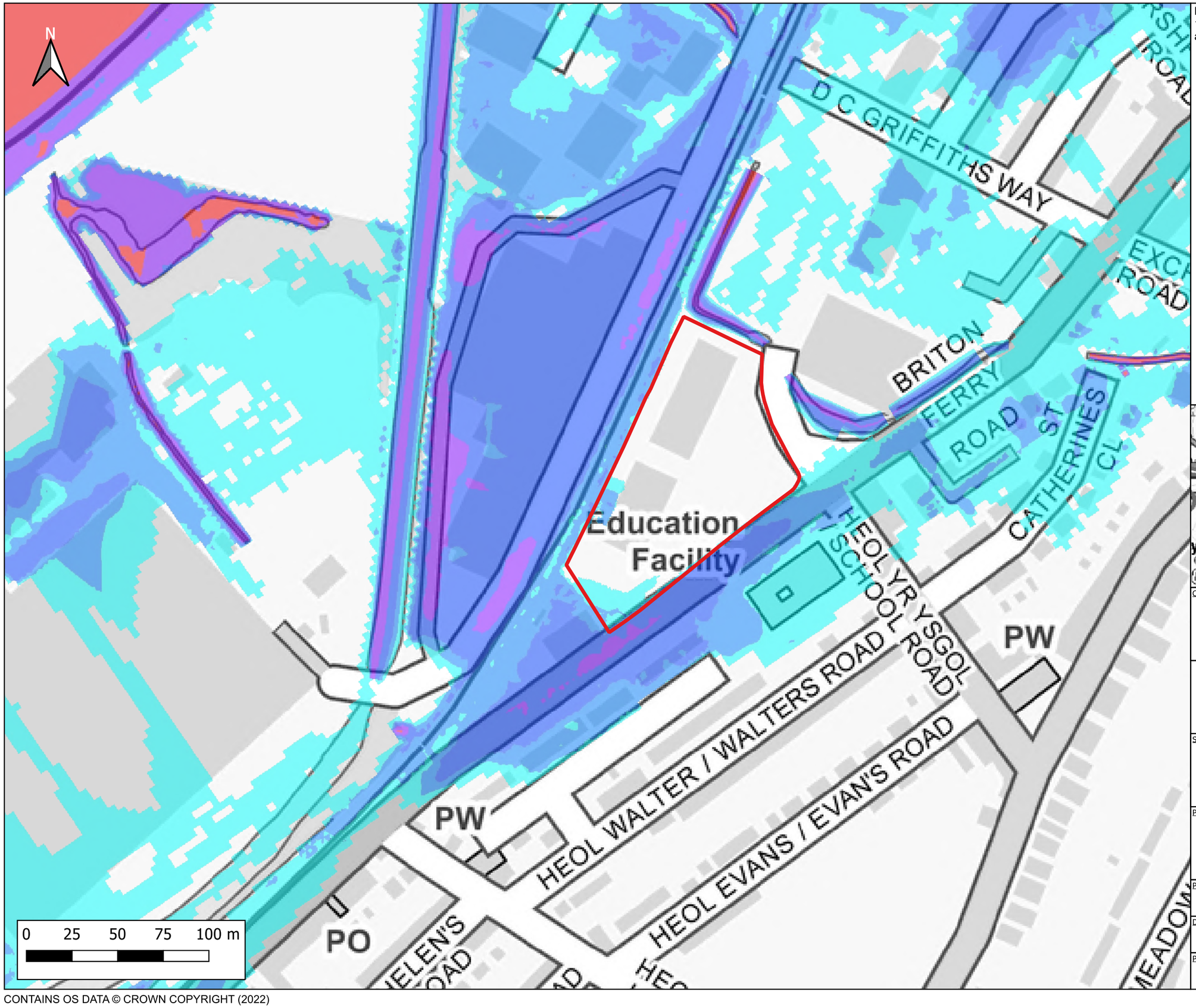
PLOT TITLE:
Maximum Depth Difference
1% AEP Plus MHWS 2022
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV-EXG_ST3_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



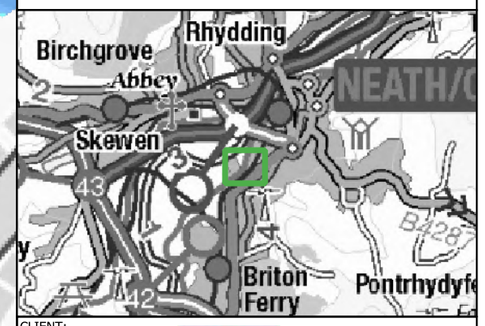
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

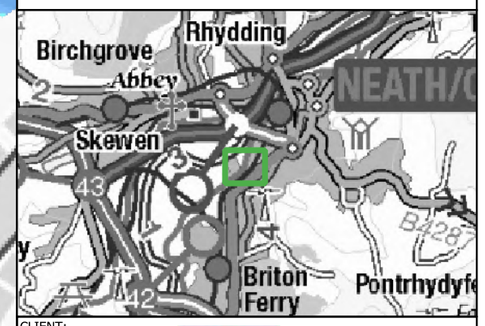
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000
PLOT NAME: 13099_Q100CC30_MHWS_2100_DEV_NC_d			REVISION: -

0 25 50 75 100 m

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

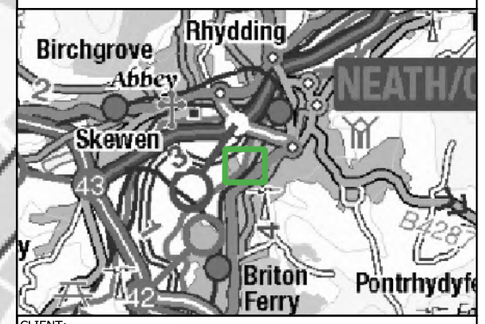
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Depth Difference
1%+CC30 AEP Plus MHWS 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 099_Q100CC30_MHWS_2100_DEV-EXG_NC_d-Diff

REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

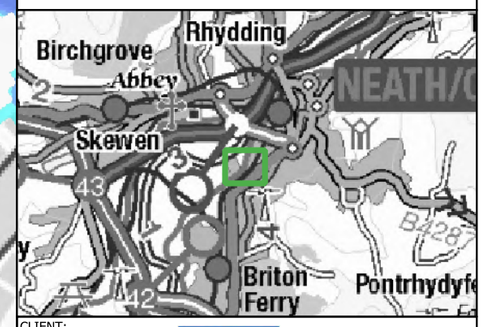
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

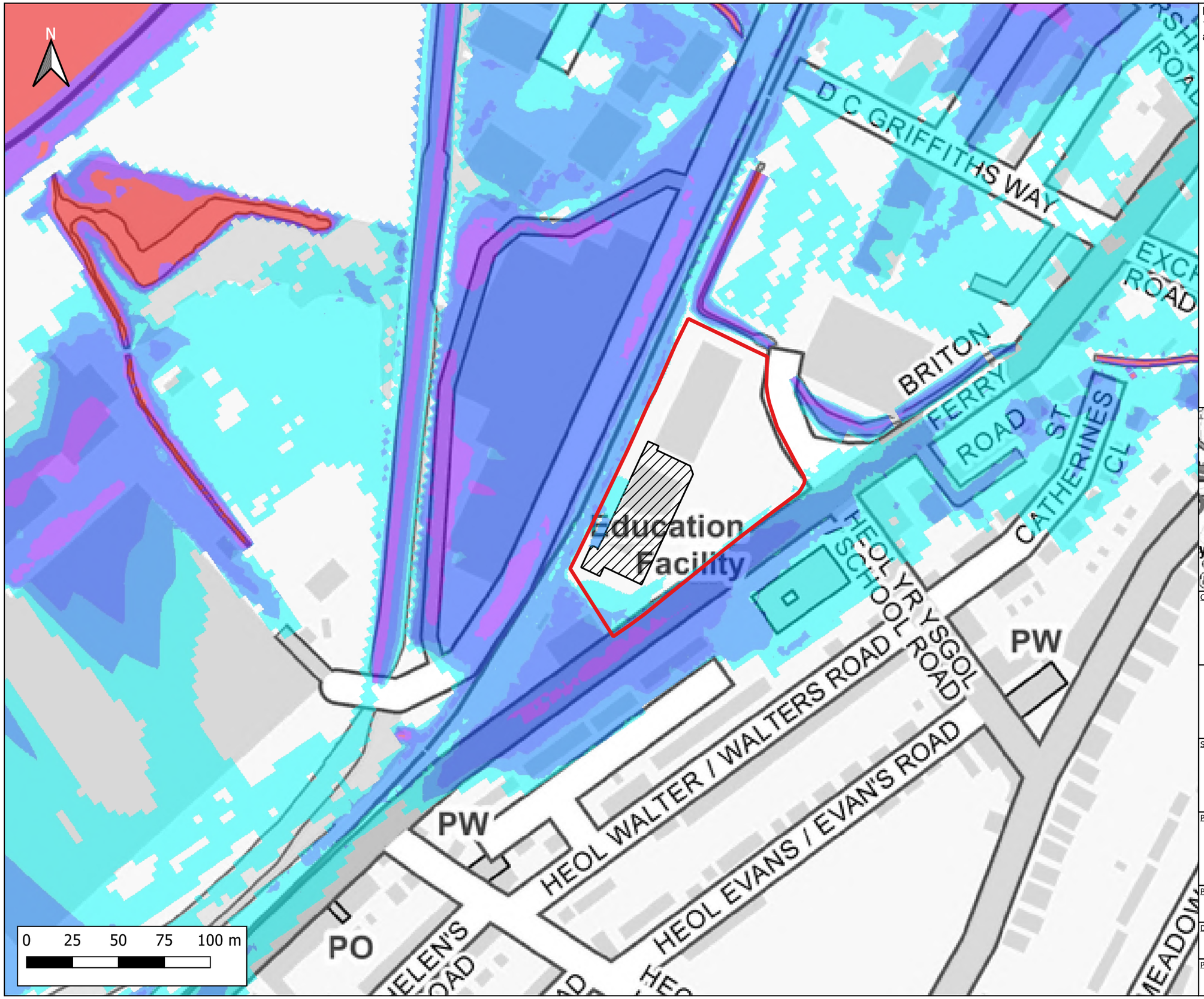
Maximum Flood Depth
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



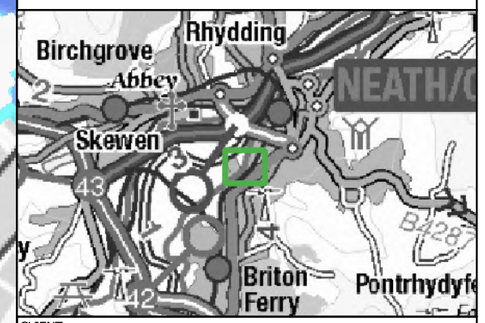
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

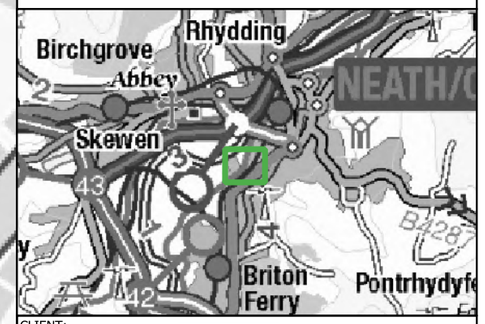
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

Waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

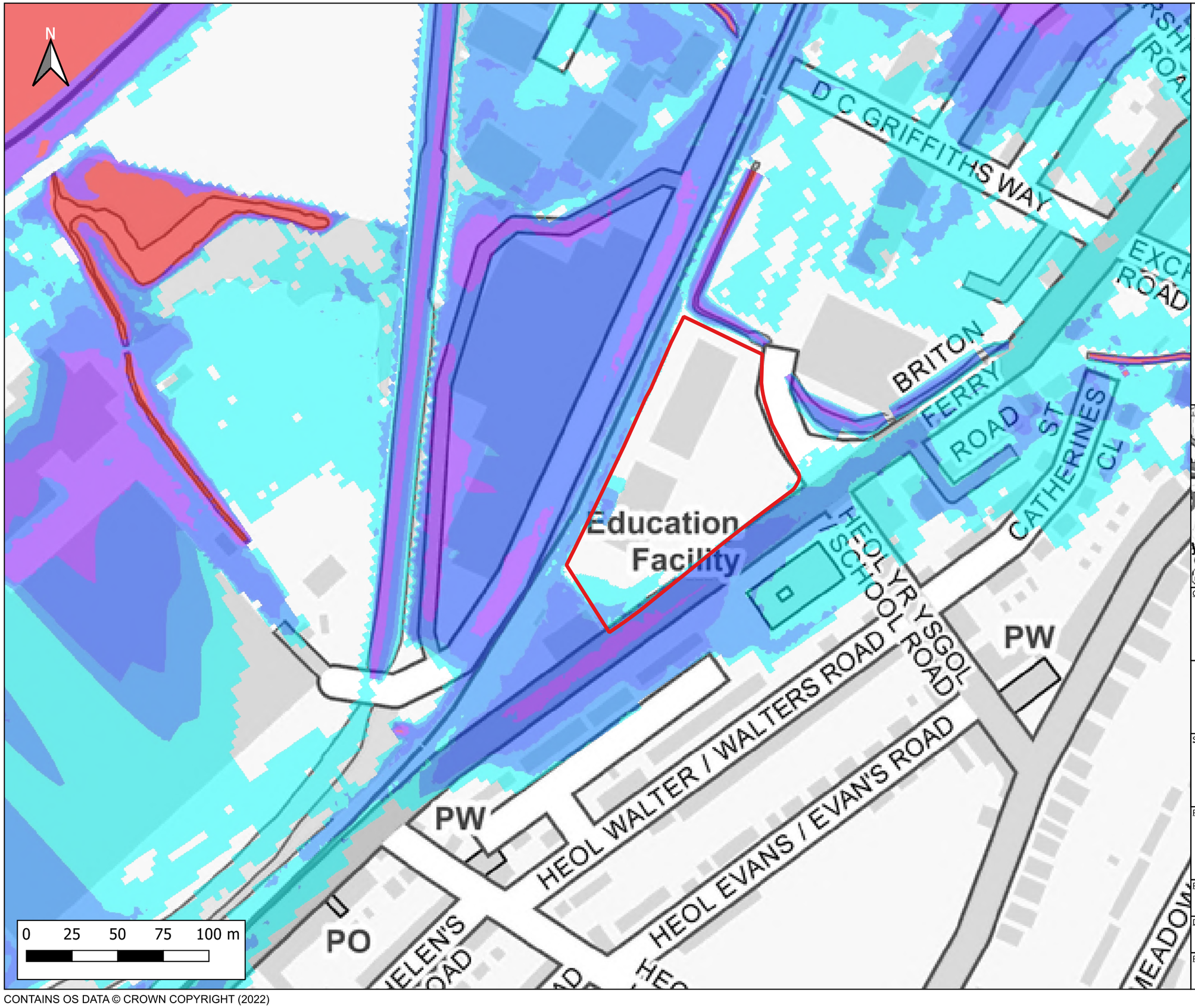
Maximum Depth Difference
1%+CC30 AEP Plus MHWS 2100
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
099_Q100CC30_MHWS_2100_DEV-EXG_ST3_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



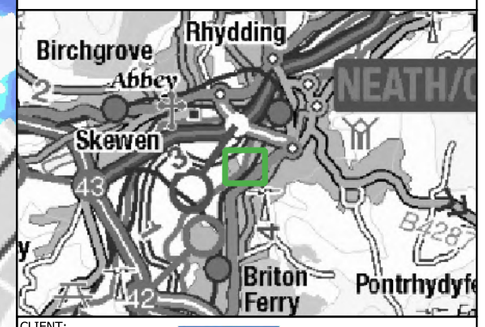
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

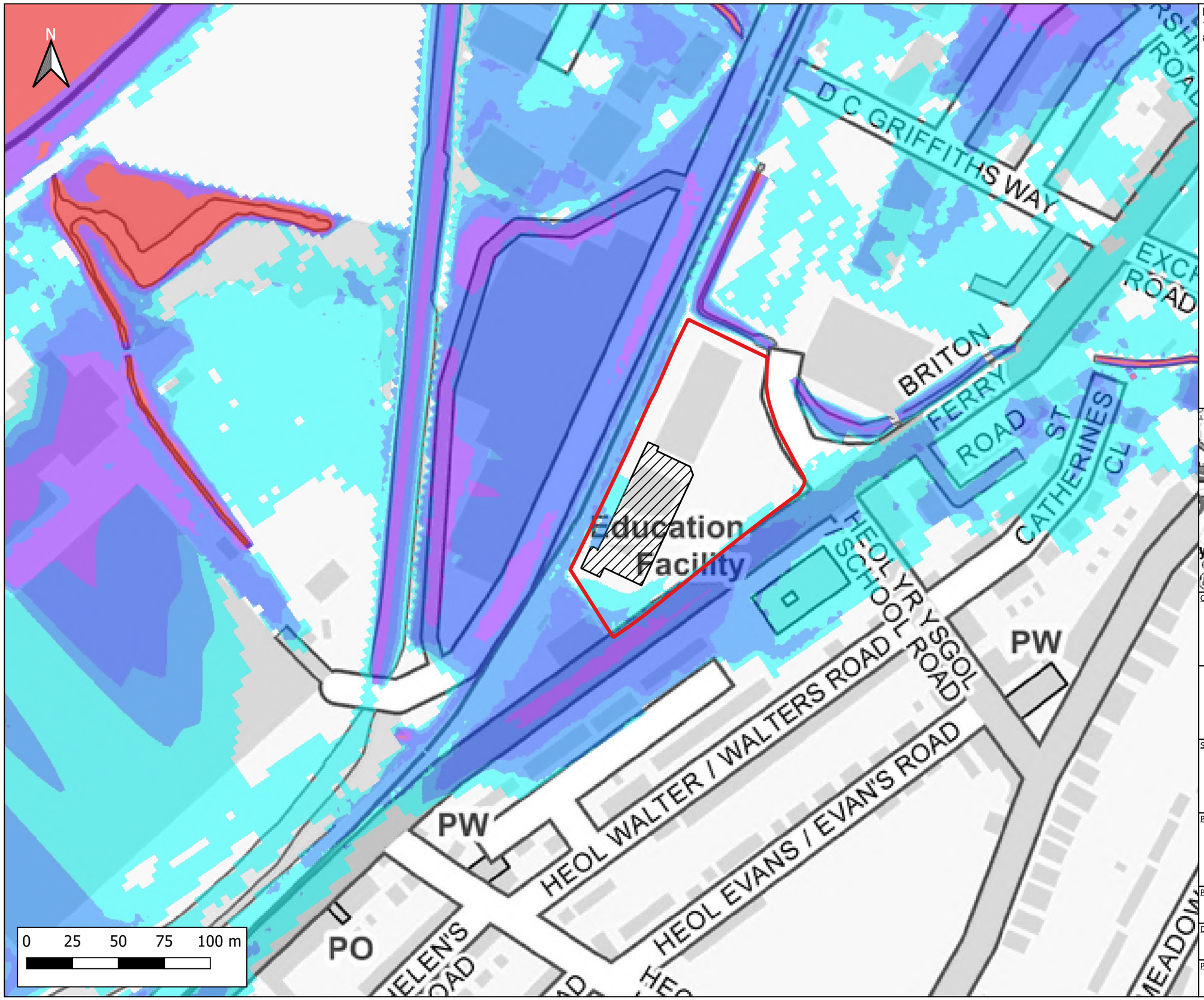
Maximum Flood Depth
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



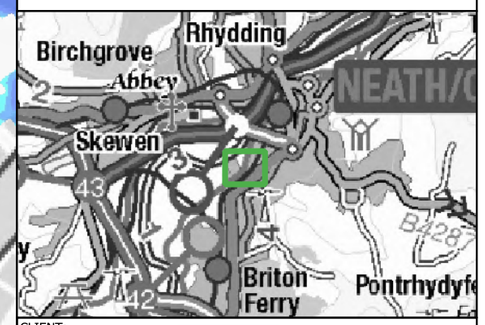
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

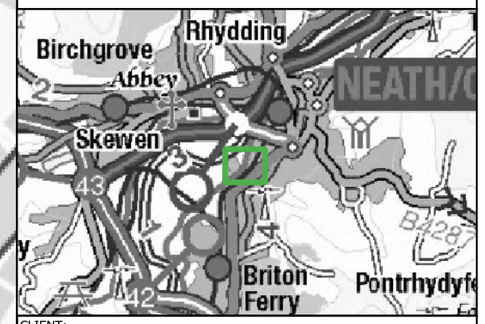
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Depth Difference
1%+CC75 AEP Plus MHWS 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME: 099_Q100CC75_MHWS_2100_DEV-EXG_NC_d-Diff

REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

N

D C GRIFFITHS WAY

BRITON FERRY ROAD

ST CATHERINES CL

Education Facility

HEOL WALTER / WALTERS ROAD

HEOL EVANS / EVAN'S ROAD

YSGOL ROAD

PW

PW

PO

0 25 50 75 100 m

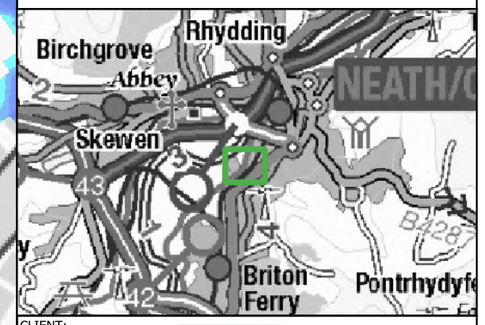
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

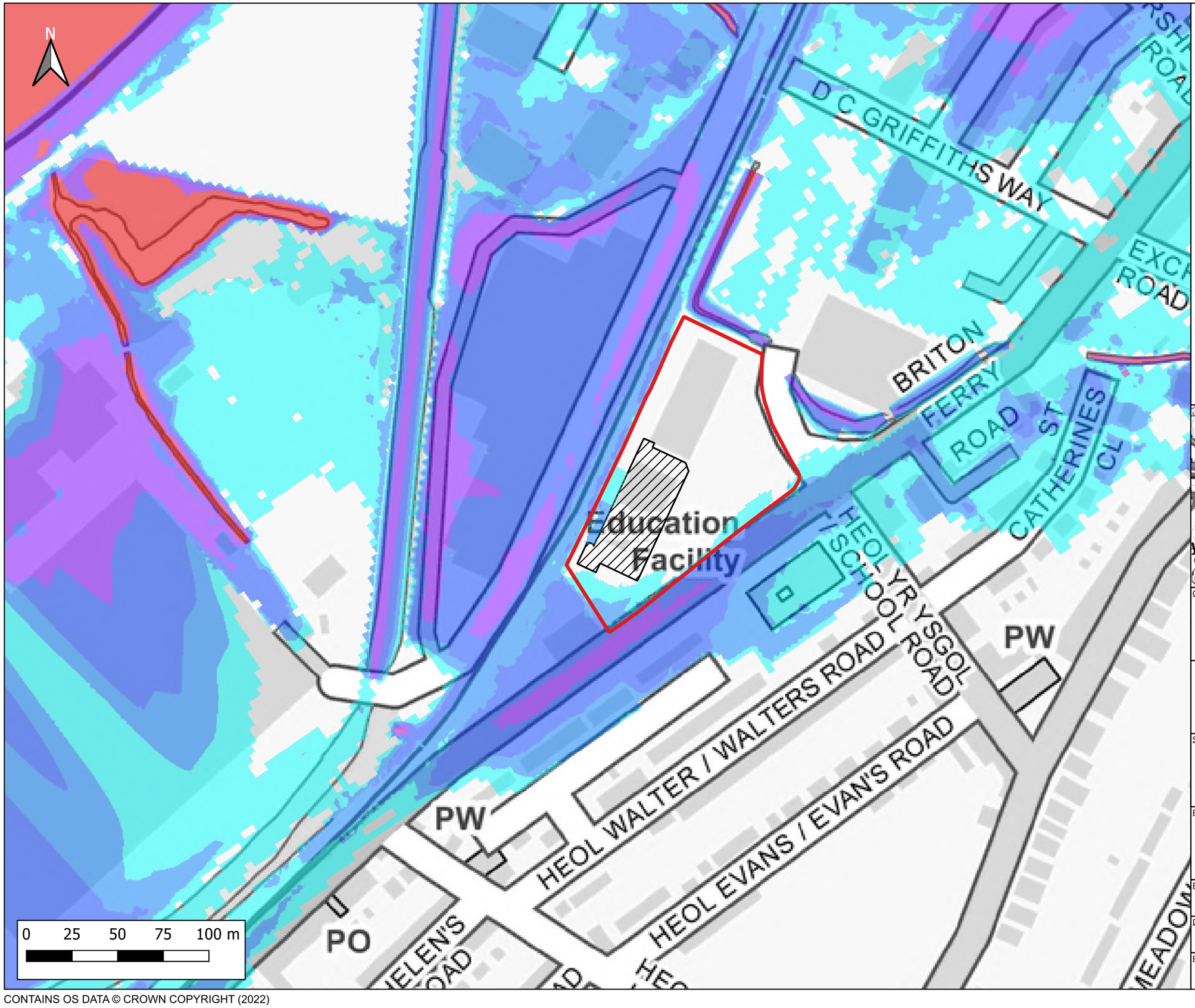
Maximum Flood Depth
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



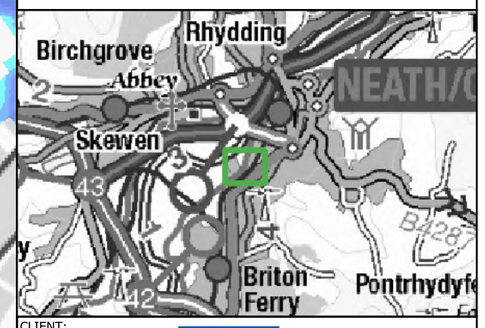
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

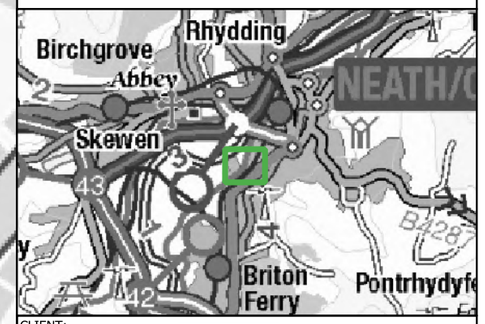
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

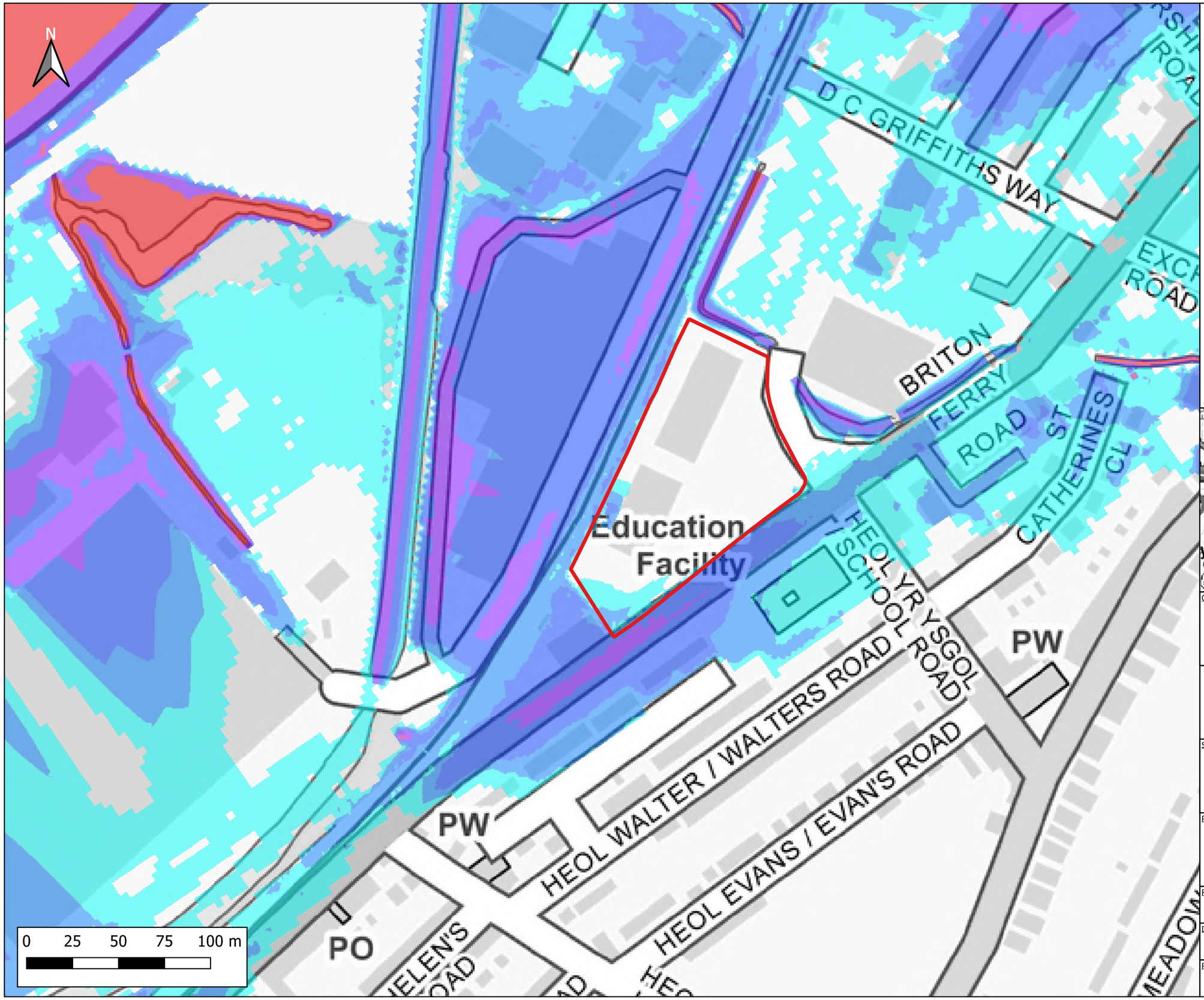
Maximum Depth Difference
1%+CC75 AEP Plus MHWS 2100
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 099_Q100CC75_MHWS_2100_DEV-EXG_ST3_d-Diff

REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



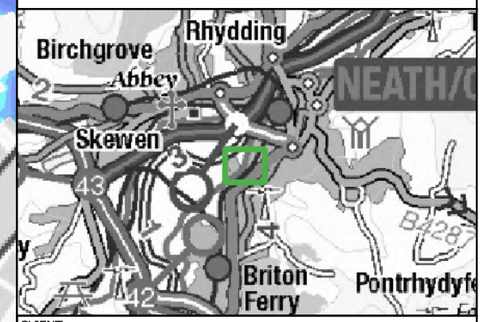
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

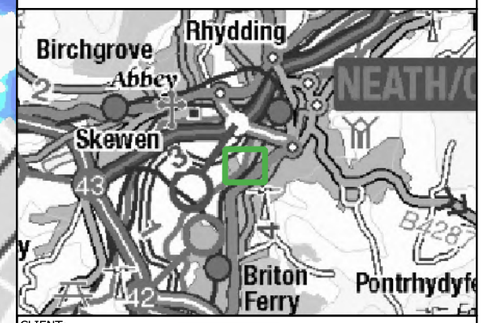
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

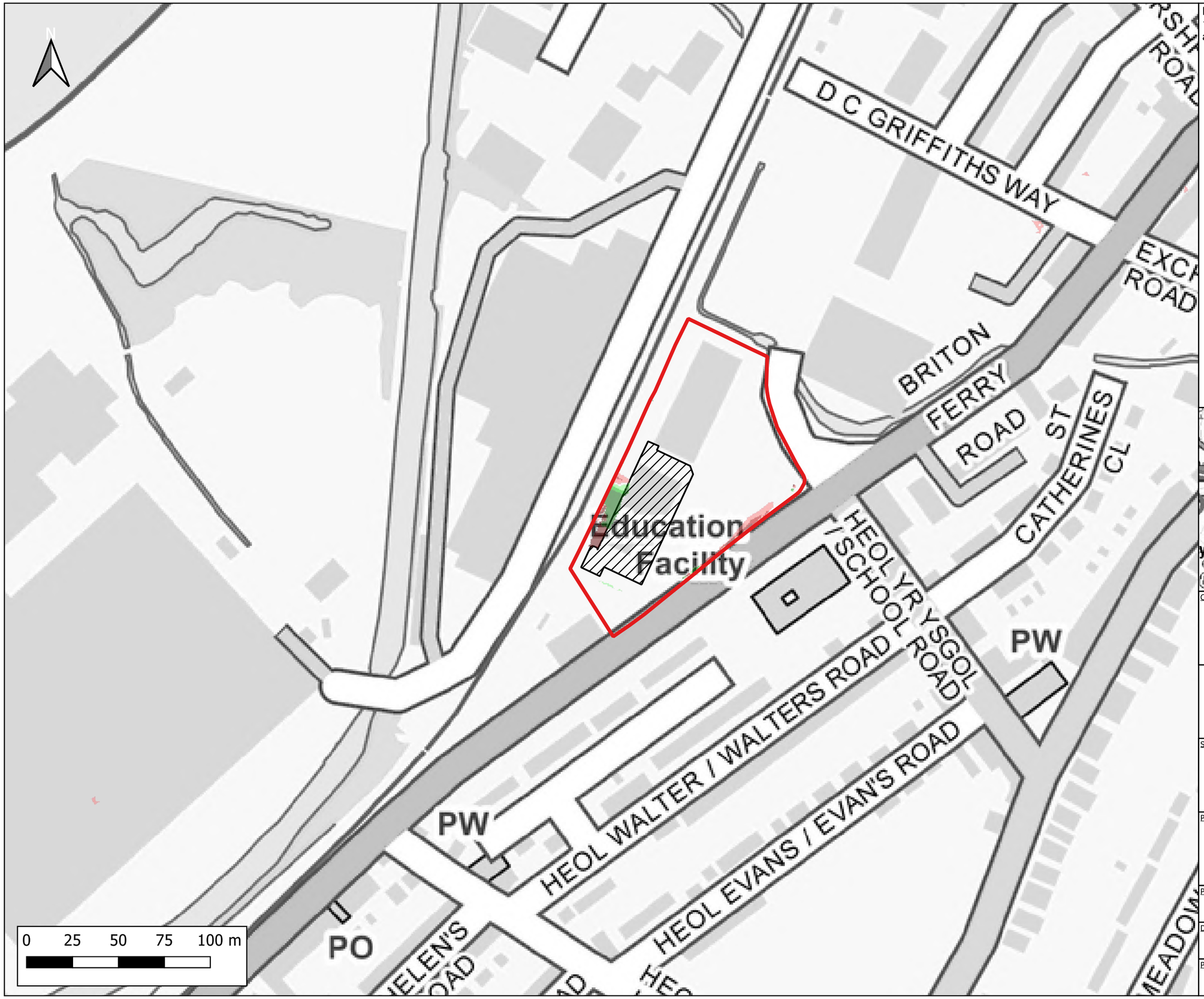
Maximum Flood Depth
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 13099_Q1000_MHWS_DEV_NC_d

REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



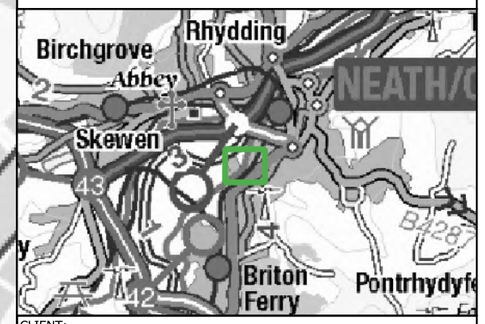
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

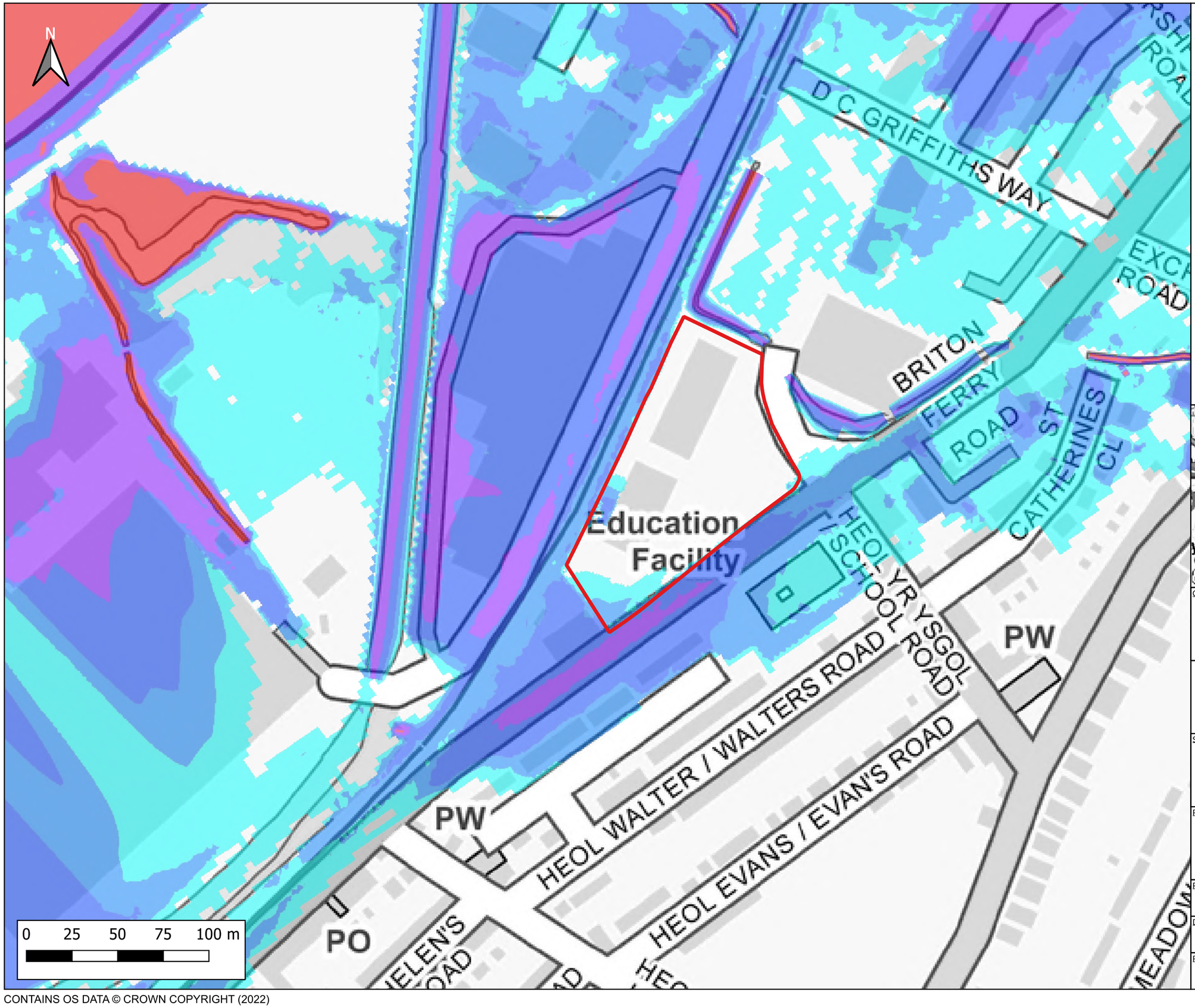
Maximum Depth Difference
0.1% AEP Plus MHWS 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV-EXG_NC_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



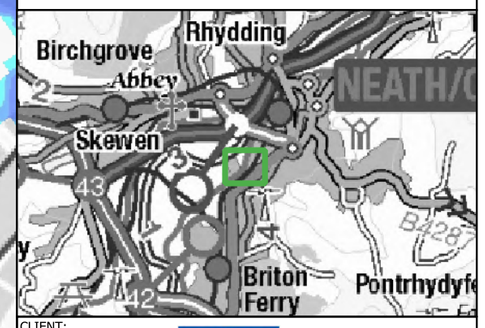
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

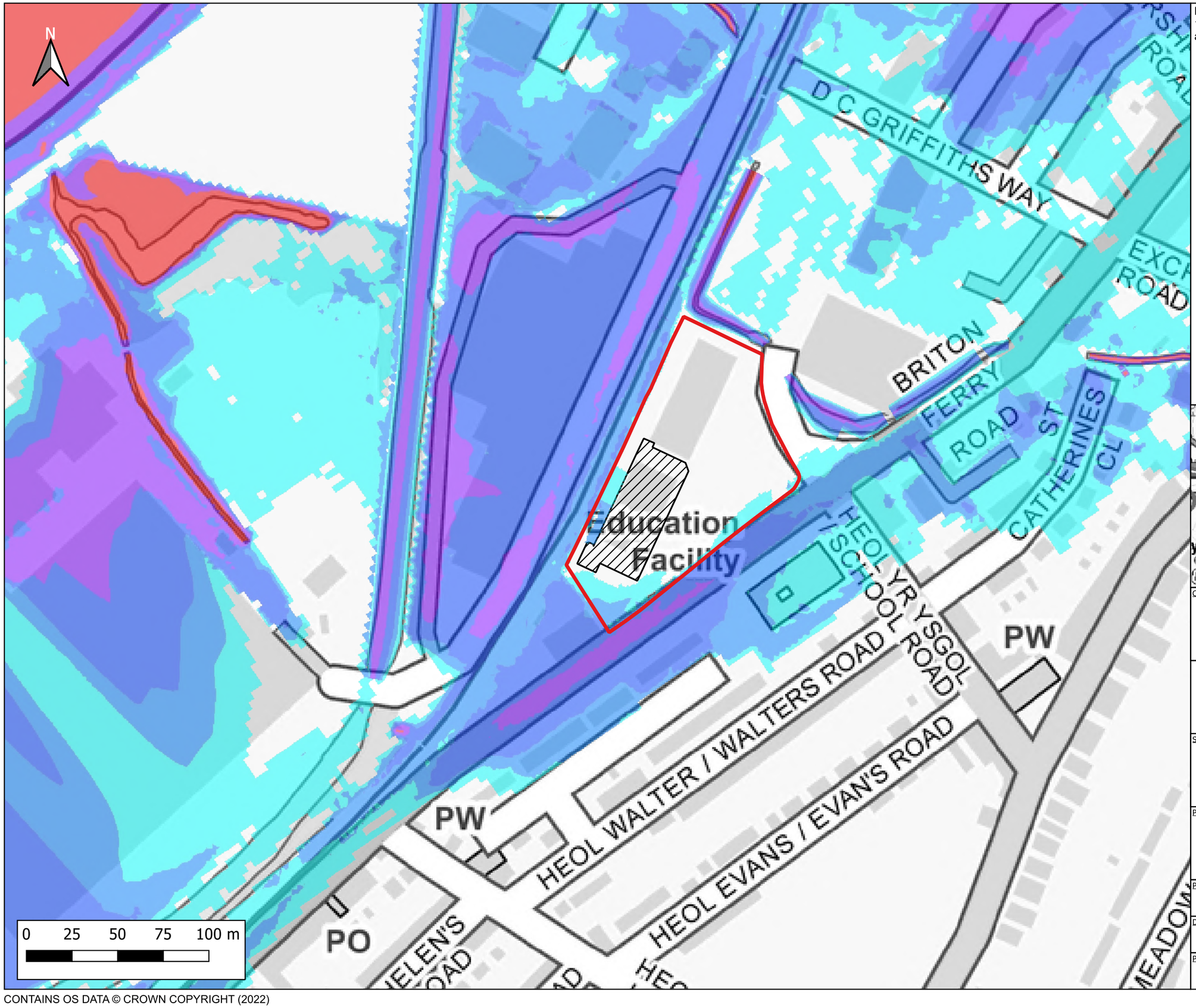
Maximum Flood Depth
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



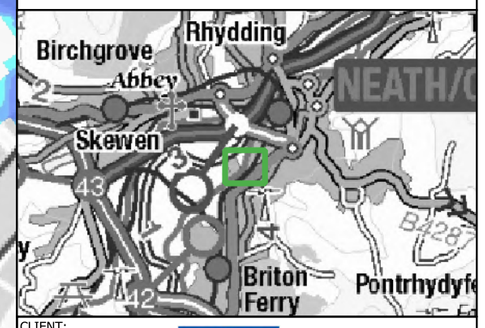
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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: LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

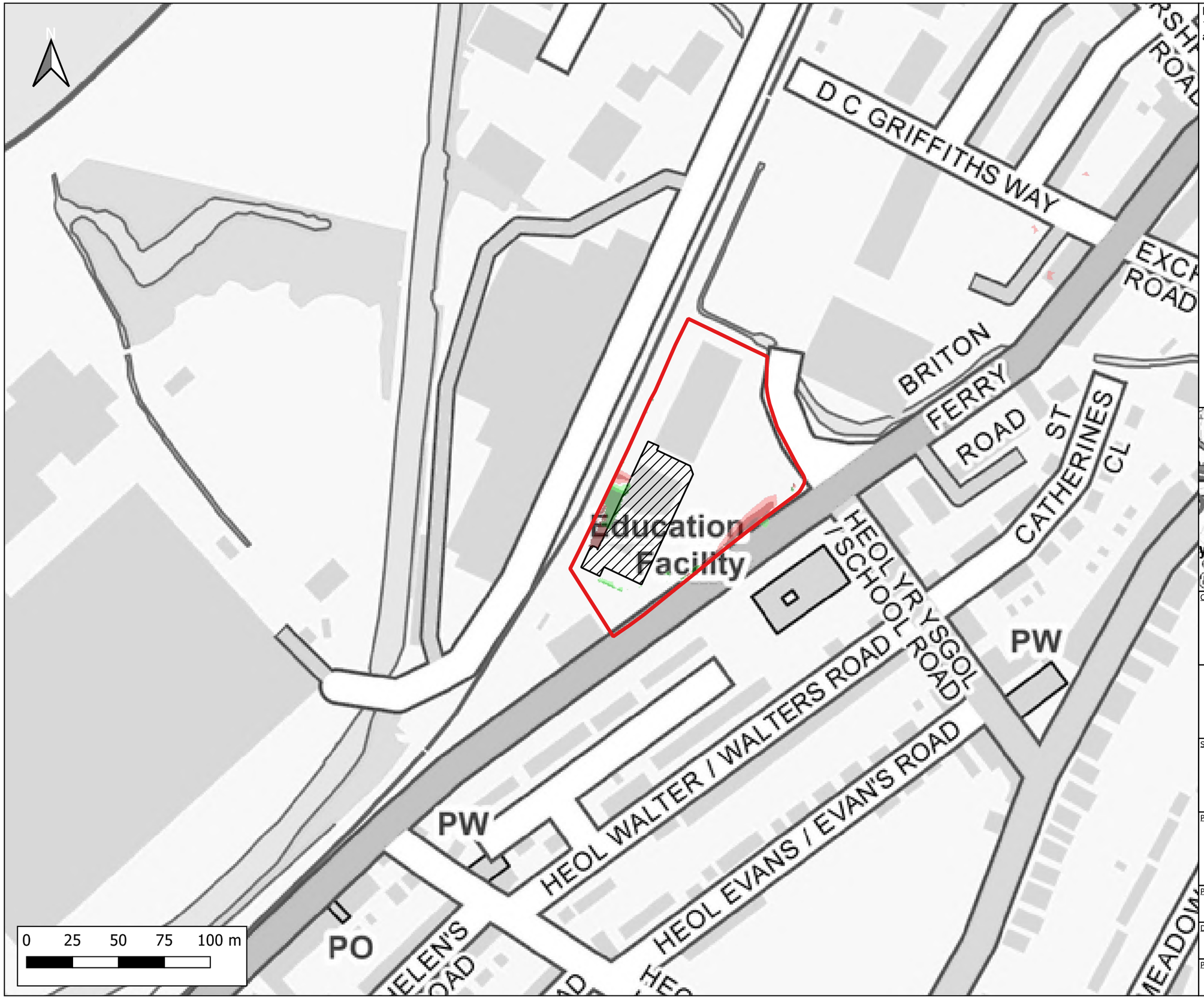
PLOT TITLE:
Maximum Flood Depth
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



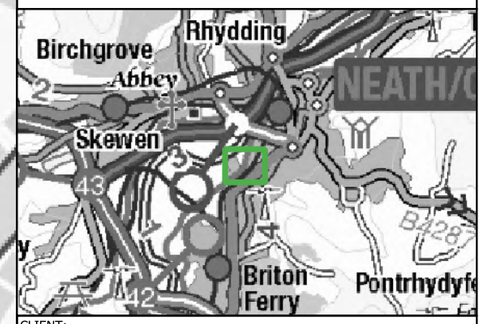
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

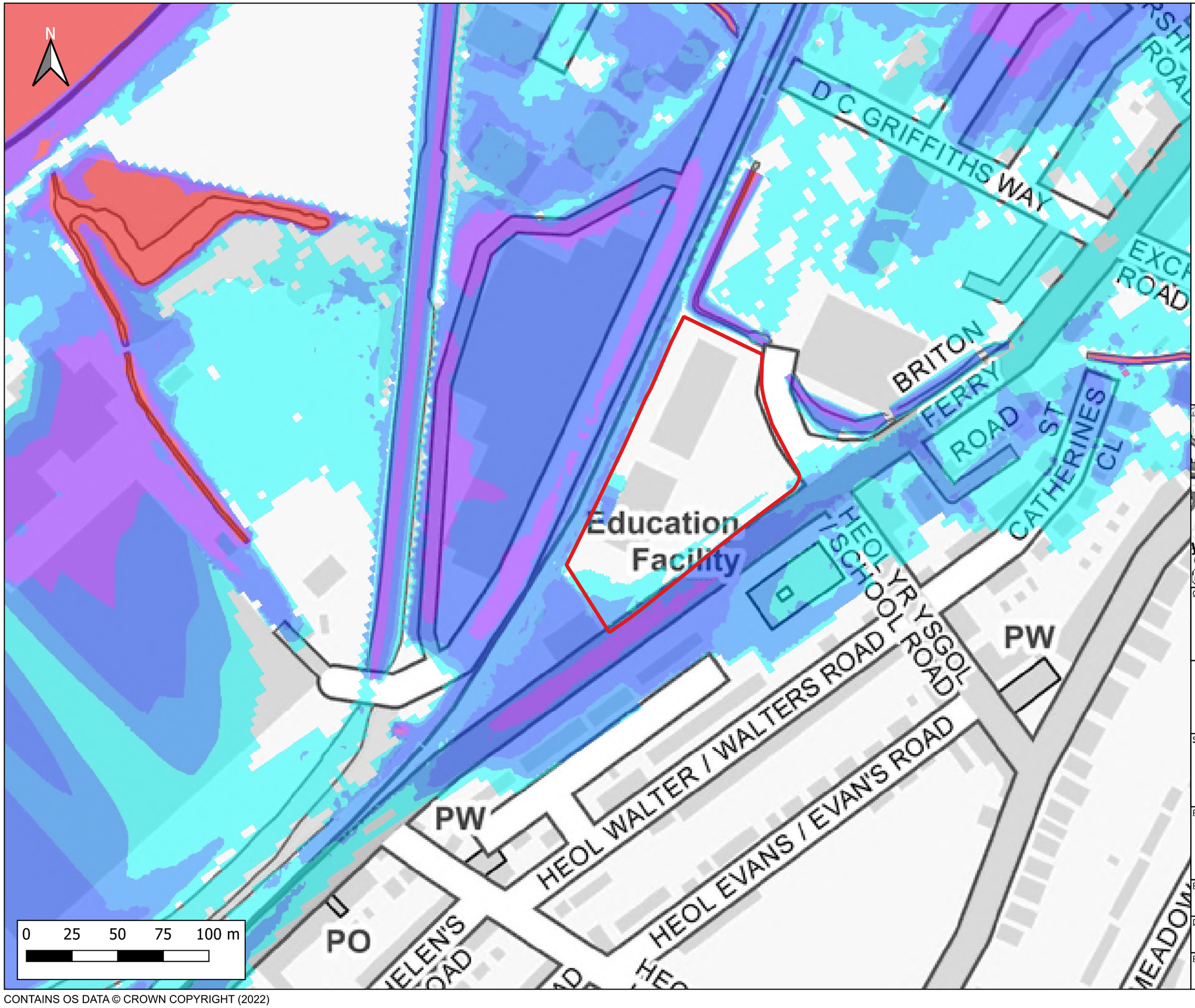
PLOT TITLE:
Maximum Depth Difference
0.1% AEP Plus MHWS 2022
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV-EXG_ST3_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



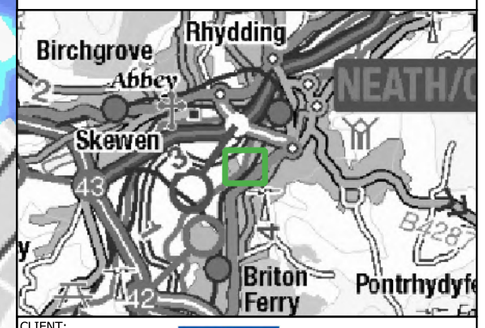
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT: LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

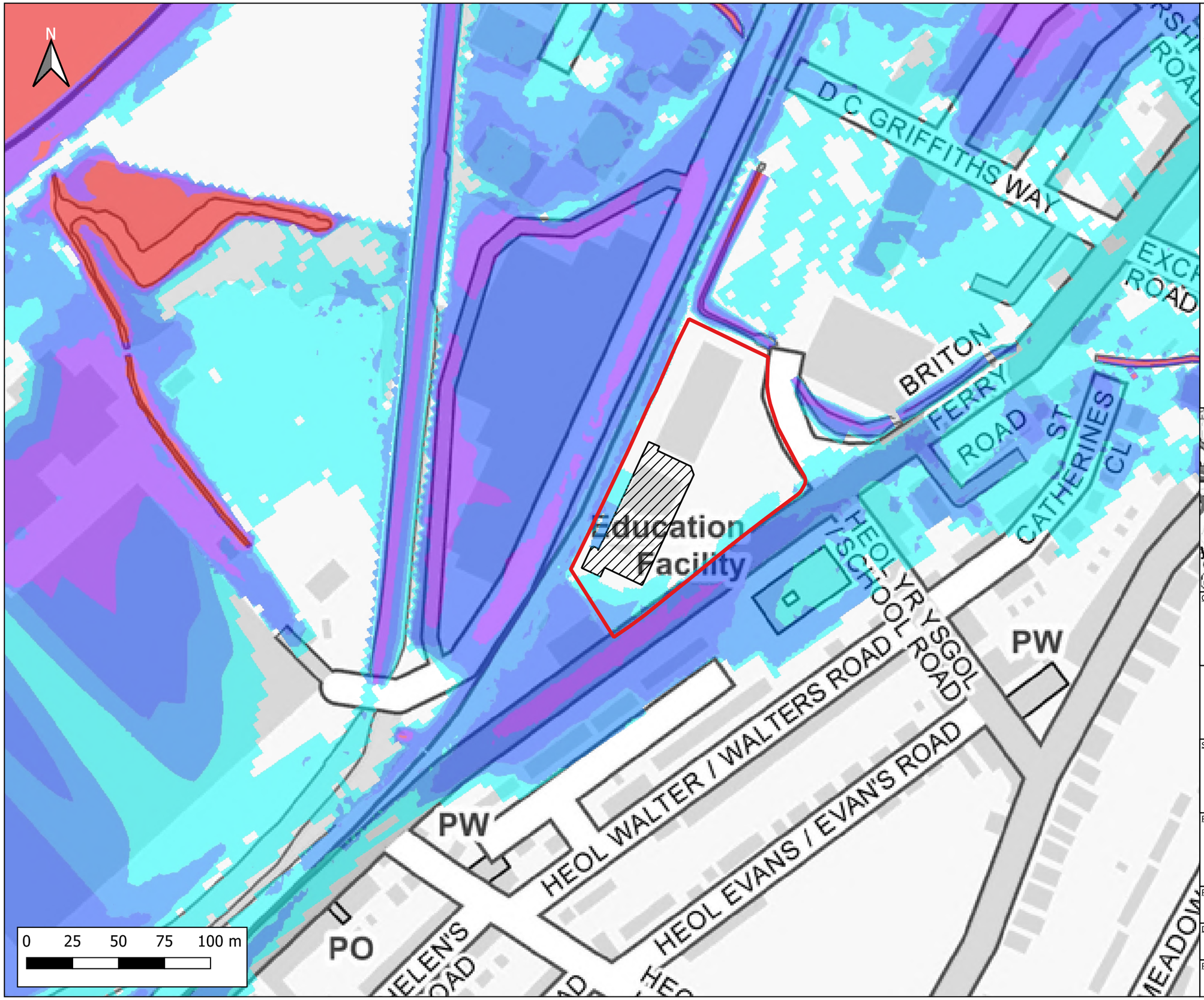
PLOT TITLE:
Maximum Flood Depth
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



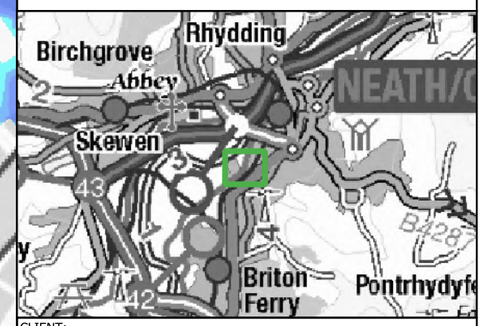
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

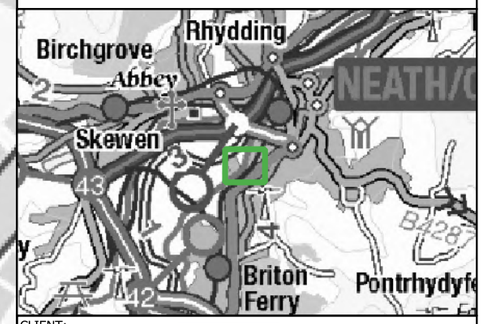
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Depth Difference
0.1%+CC30 AEP Plus MHWS 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 099_Q1000CC30_MHWS_2100_DEV-EXG_NC_d-Diff

REVISION: -

0 25 50 75 100 m

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

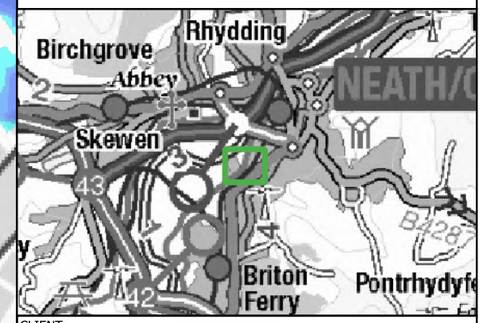
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

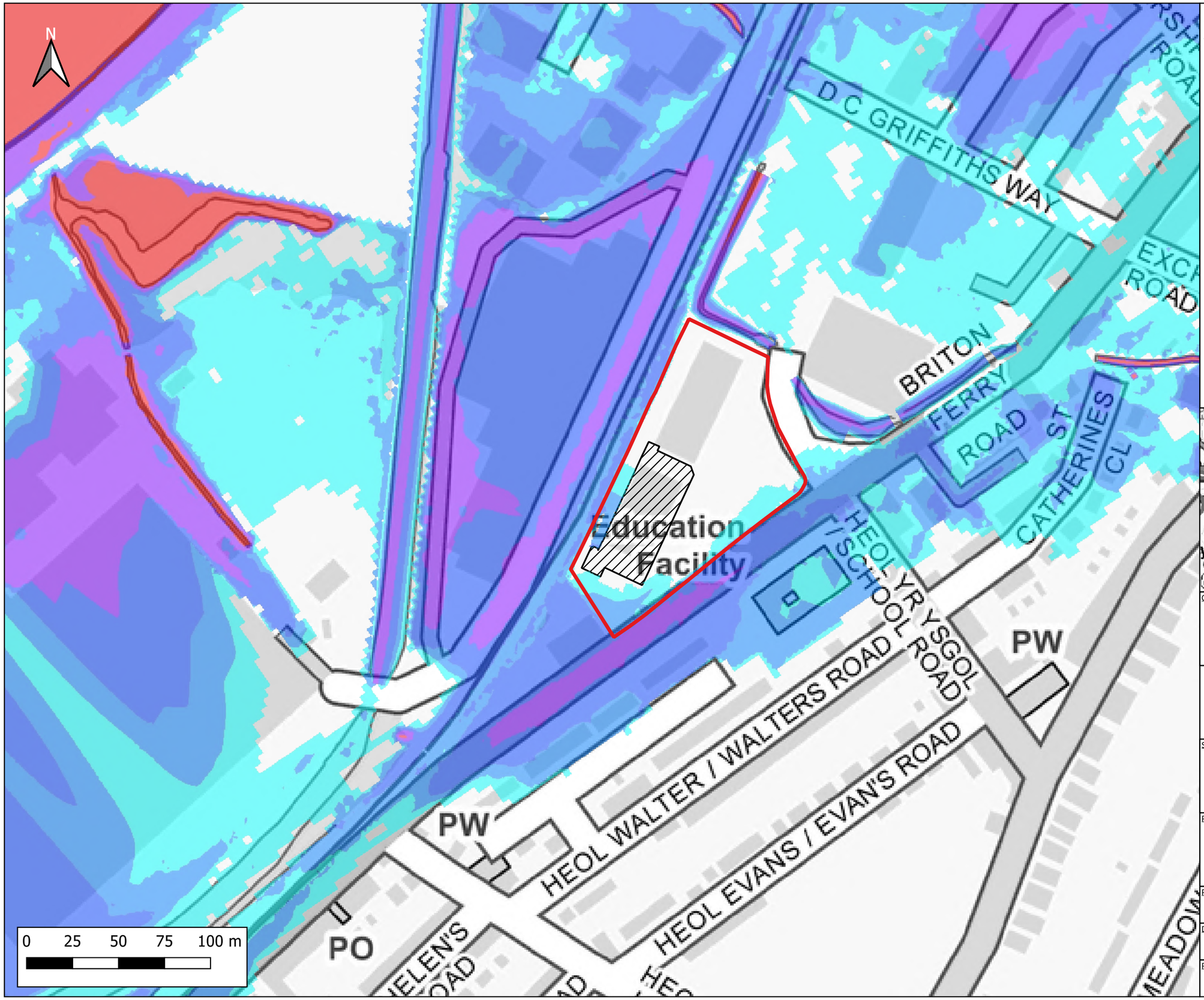
Maximum Flood Depth
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



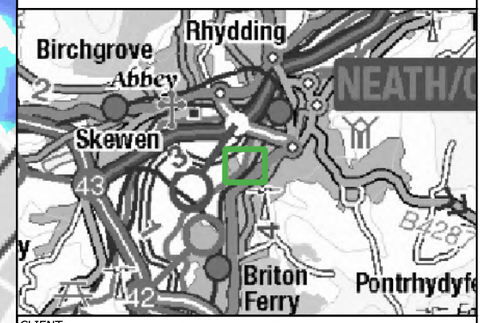
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

PLOT TITLE:
Maximum Flood Depth
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

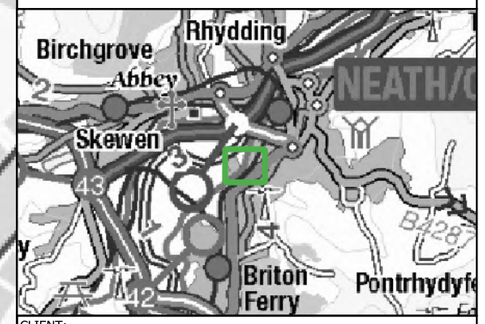
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

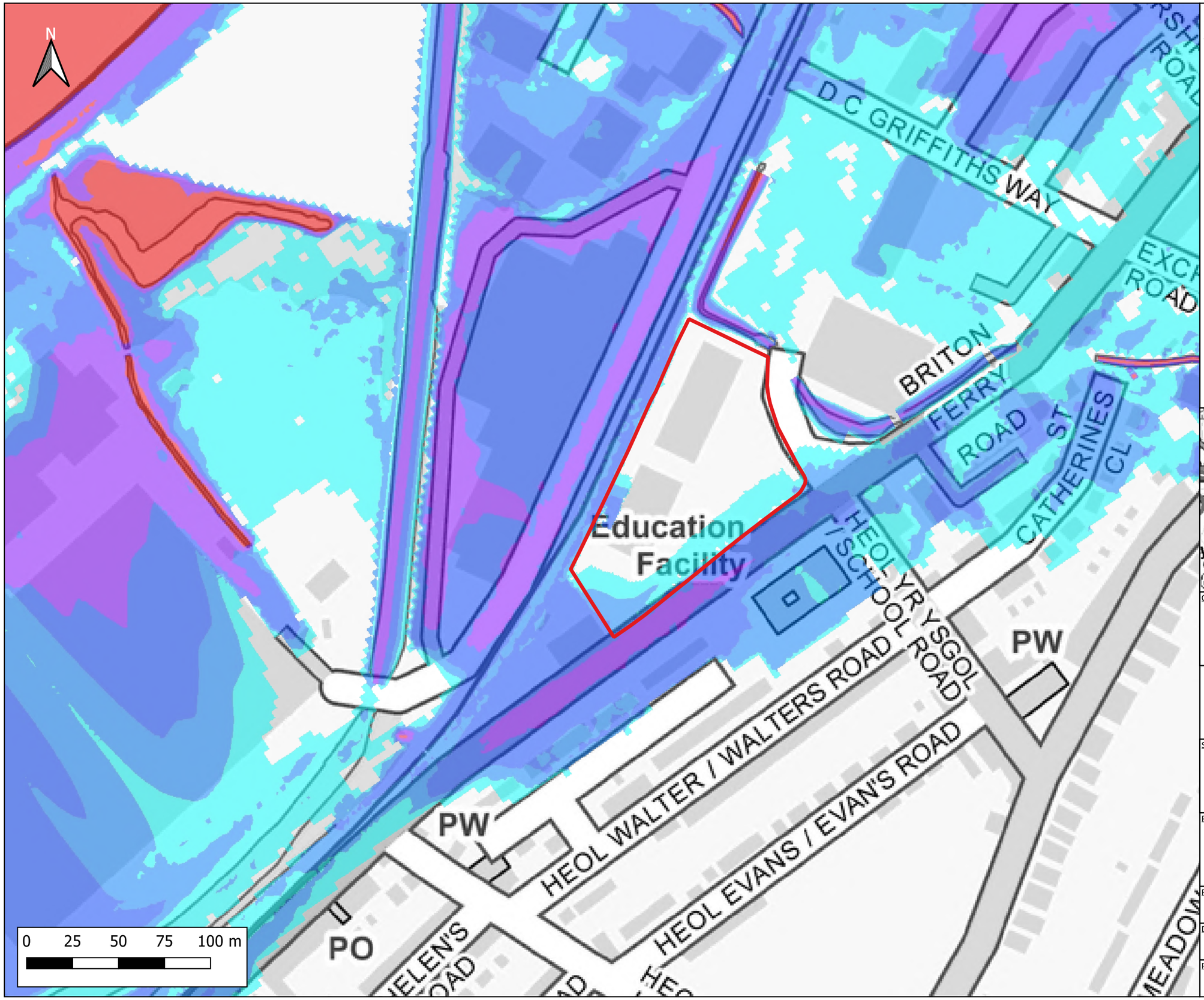
Maximum Depth Difference
0.1%+CC30 AEP Plus MHWS 2100
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
99_Q1000CC30_MHWS_2100_DEV-EXG_ST3_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



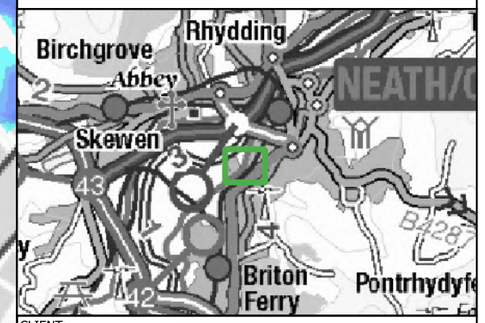
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Depth
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

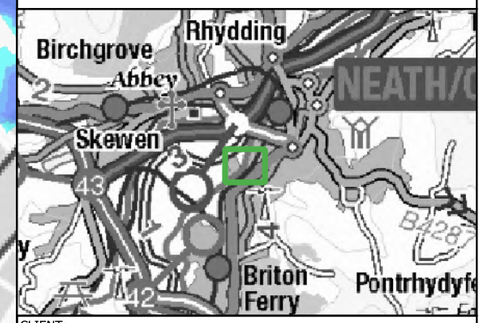
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

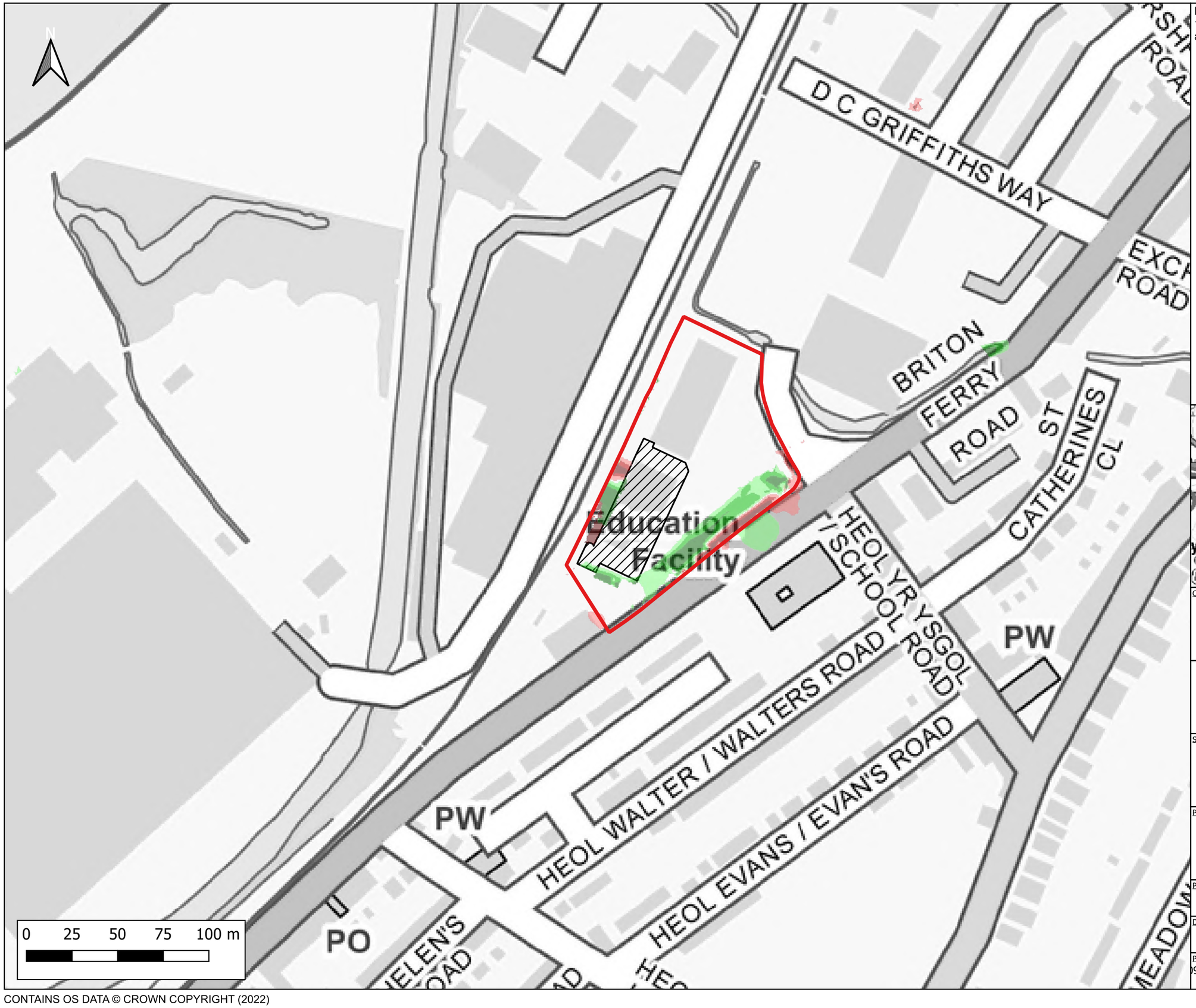
PLOT TITLE:

Maximum Flood Depth
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



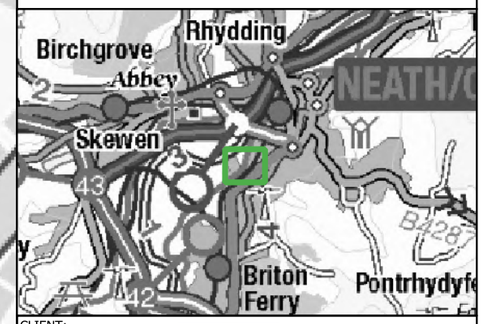
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Depth Difference
0.1%+CC75 AEP Plus MHWS 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME: 099_Q1000CC75_MHWS_2100_DEV-EXG_NC_d-Diff

REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

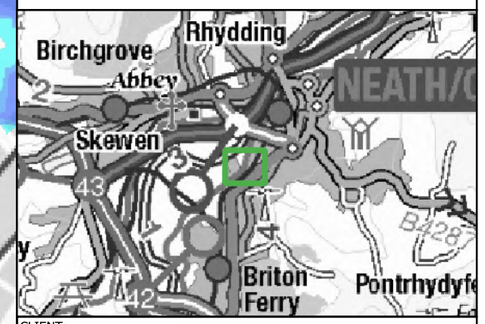
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

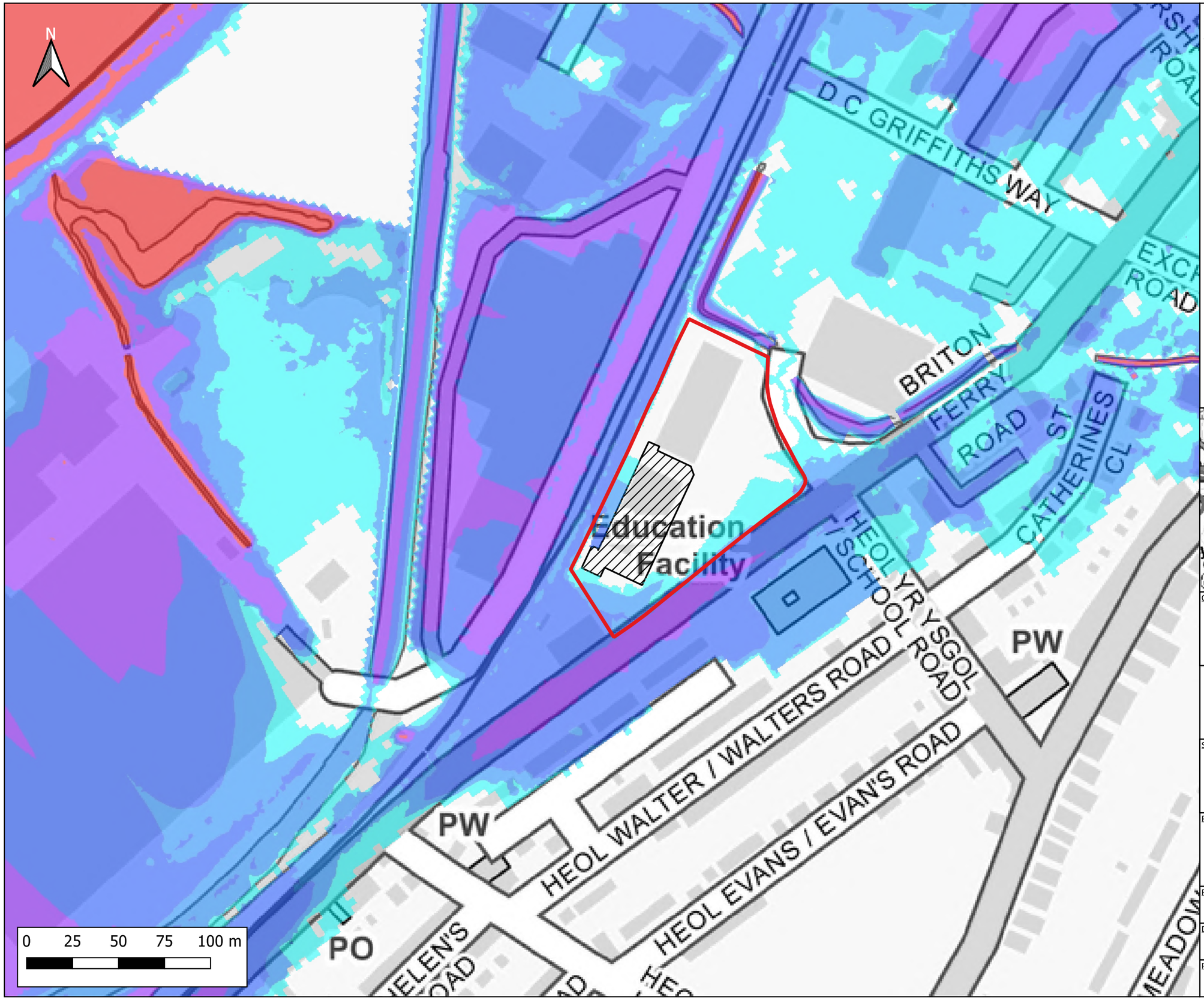
Maximum Flood Depth
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_EXG_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



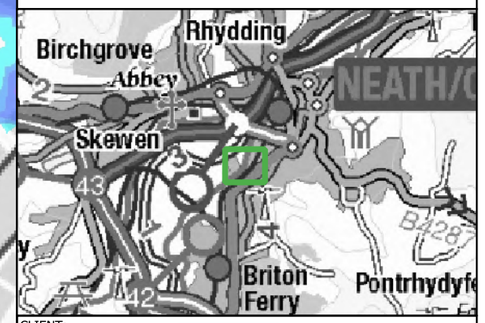
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

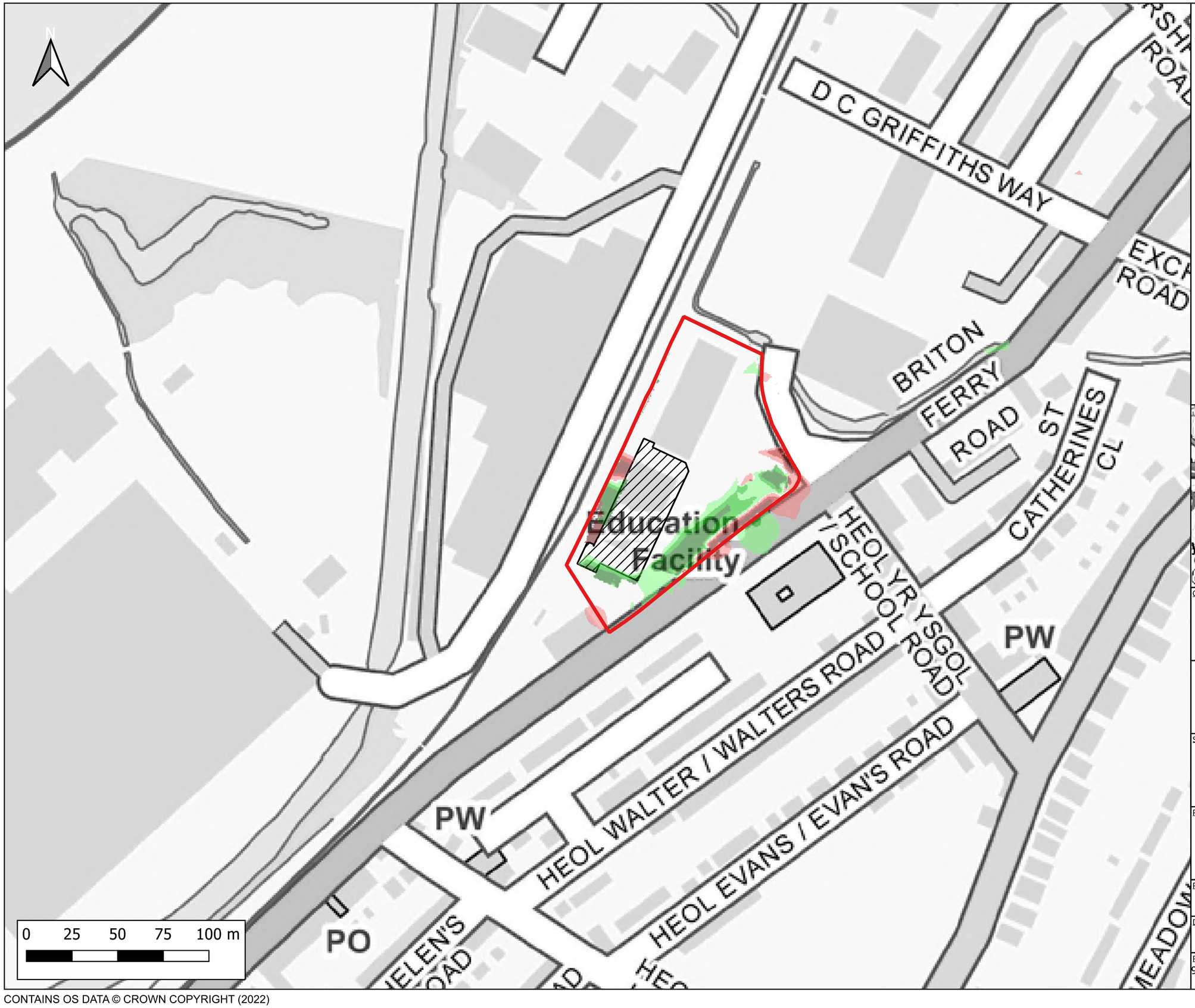
PLOT TITLE:

Maximum Flood Depth
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_DEV_ST3_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



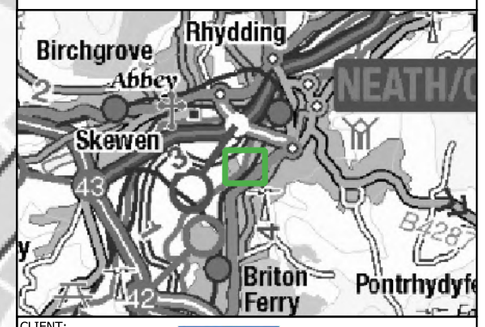
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

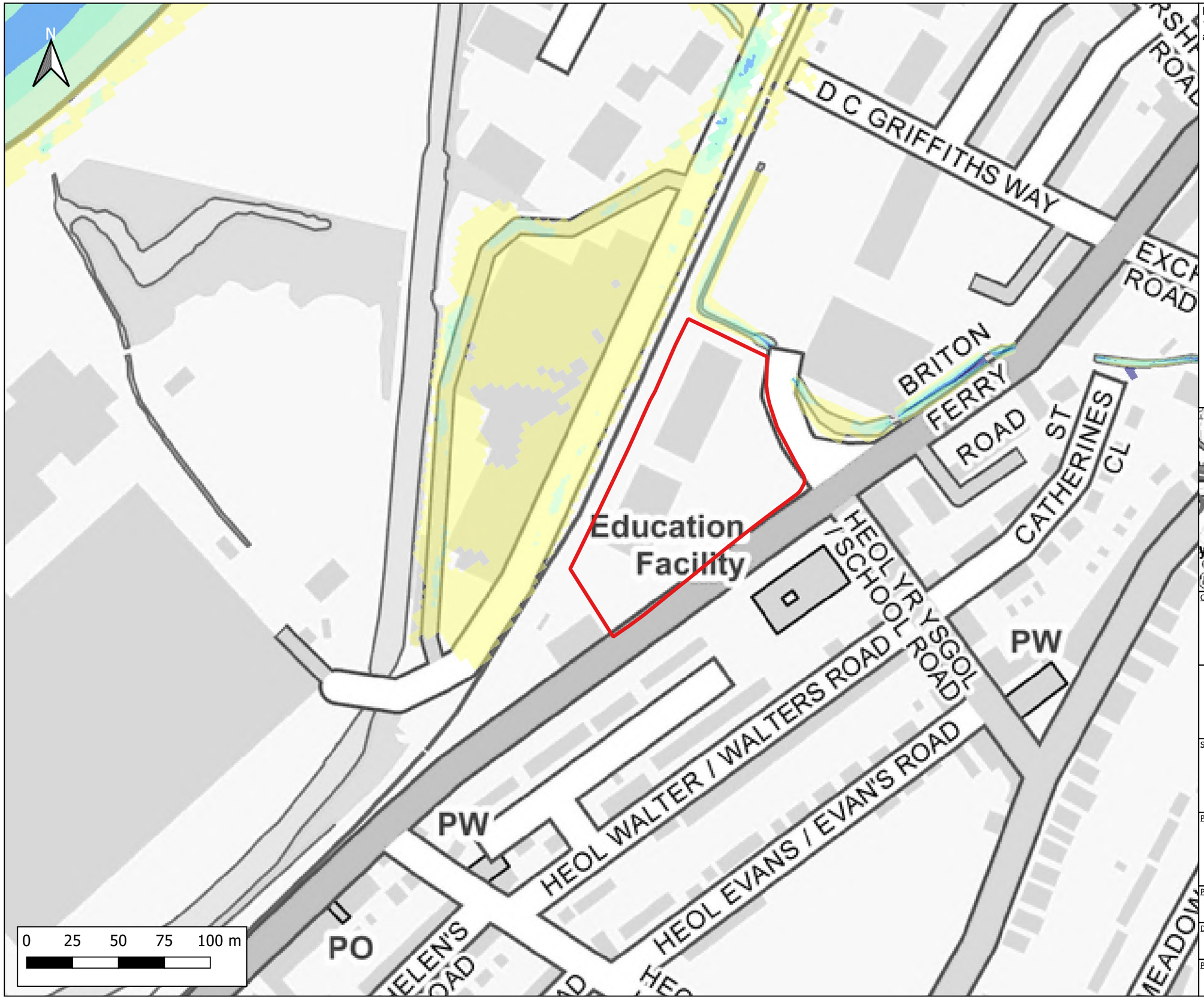
Maximum Depth Difference
0.1%+CC75 AEP Plus MHWS 2100
DEV vs EXG
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
99_Q1000CC75_MHWS_2100_DEV-EXG_ST3_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



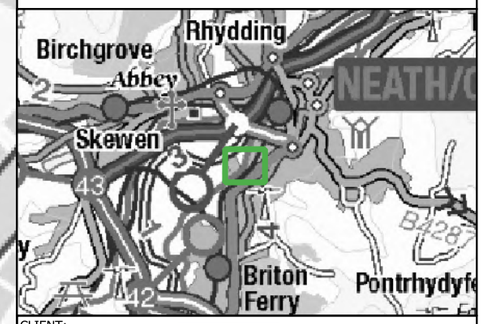
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

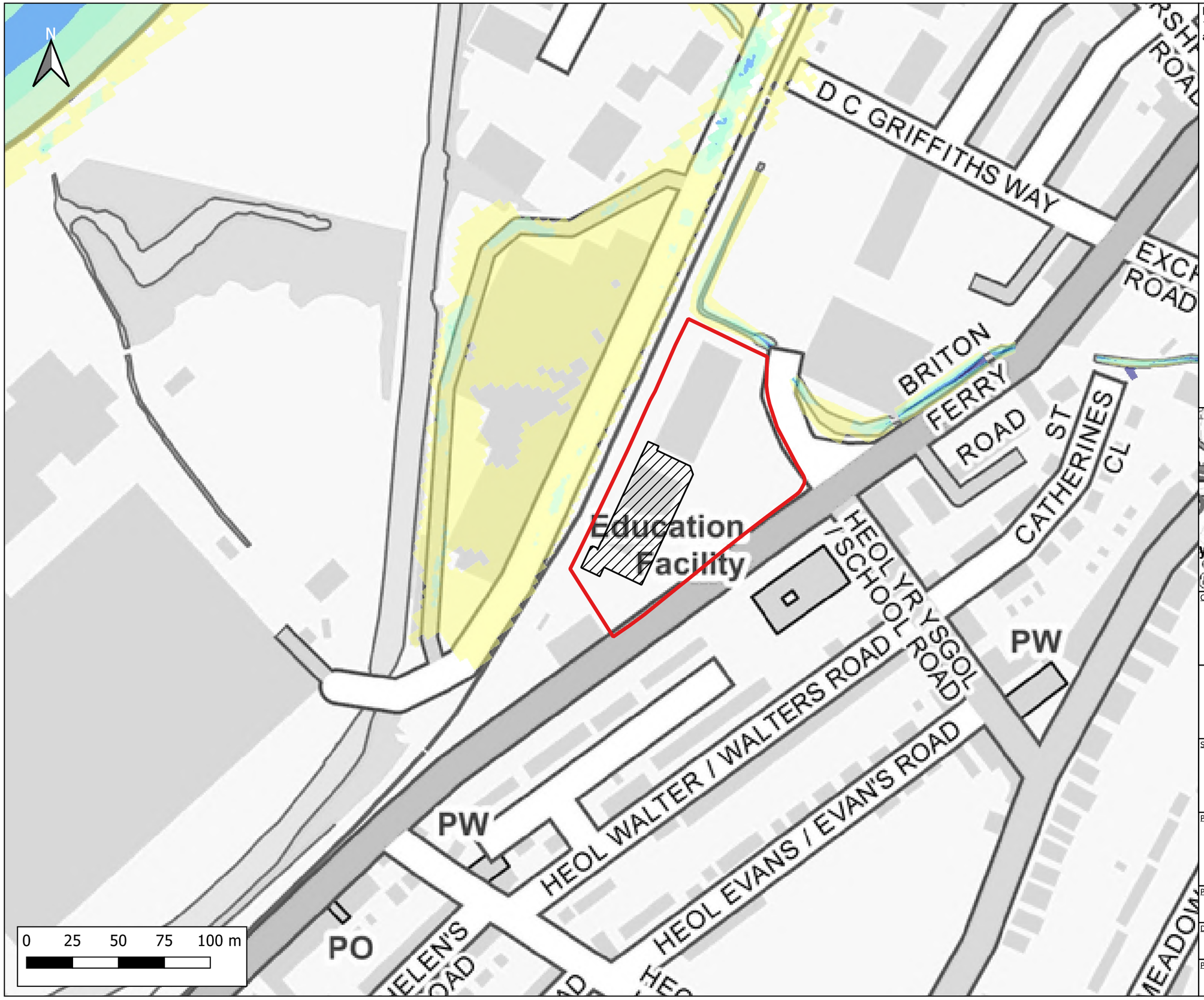
Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
50% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:				DATE:
FINAL				17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:	
IH	AP	AW	1:2000	
PLOT NAME:				REVISION:
13099_Q2_MHWS_EXG_NC_V				-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



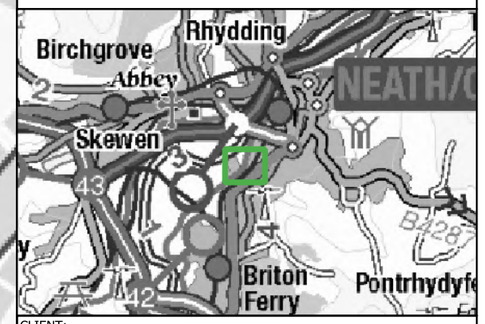
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

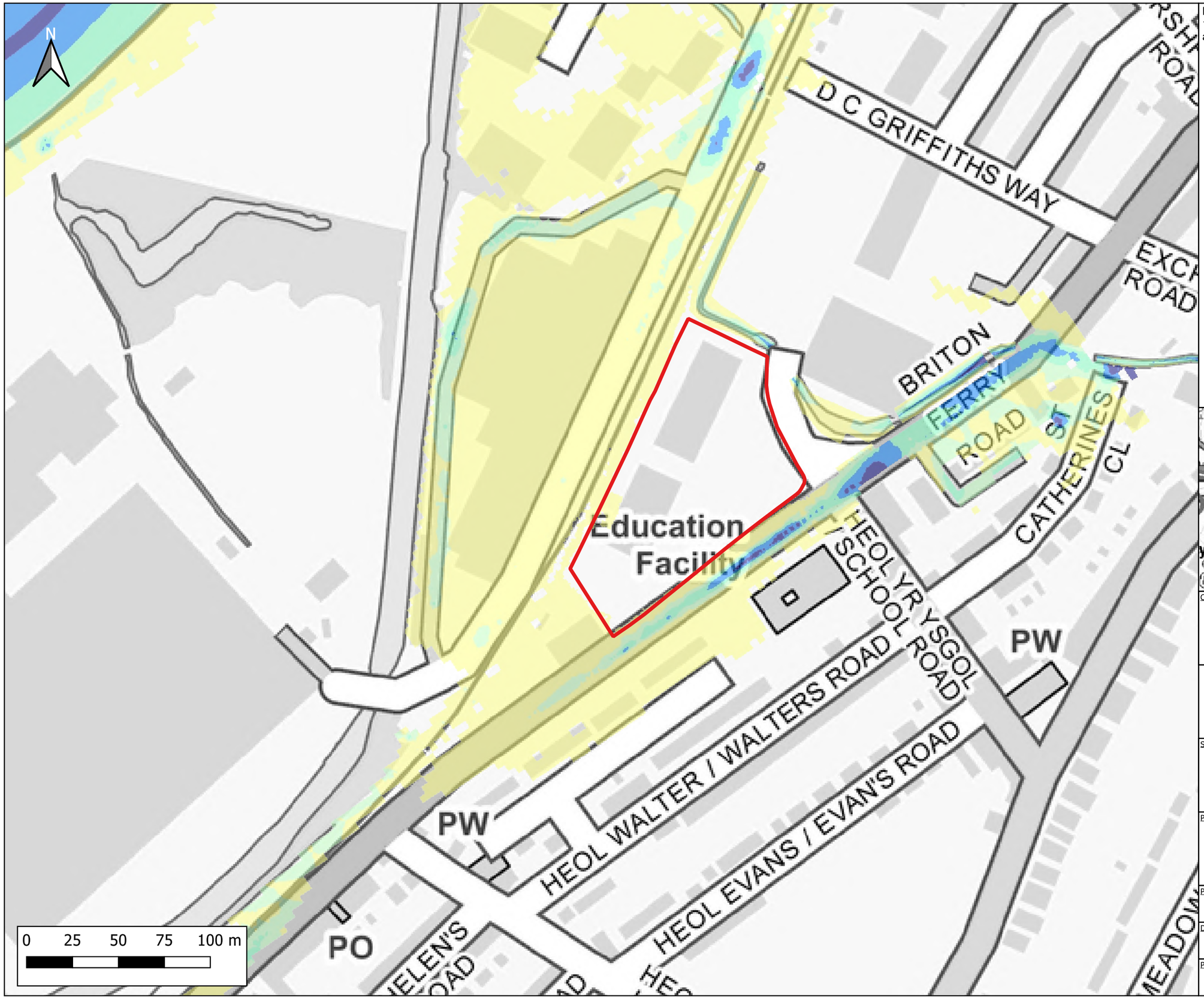
Maximum Flood Velocity
50% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



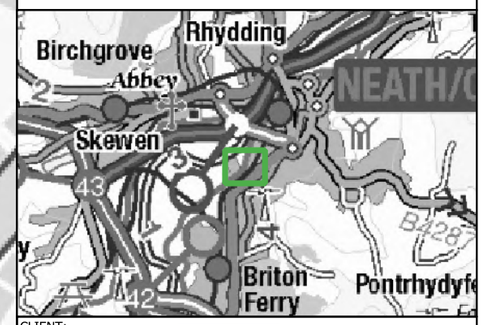
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

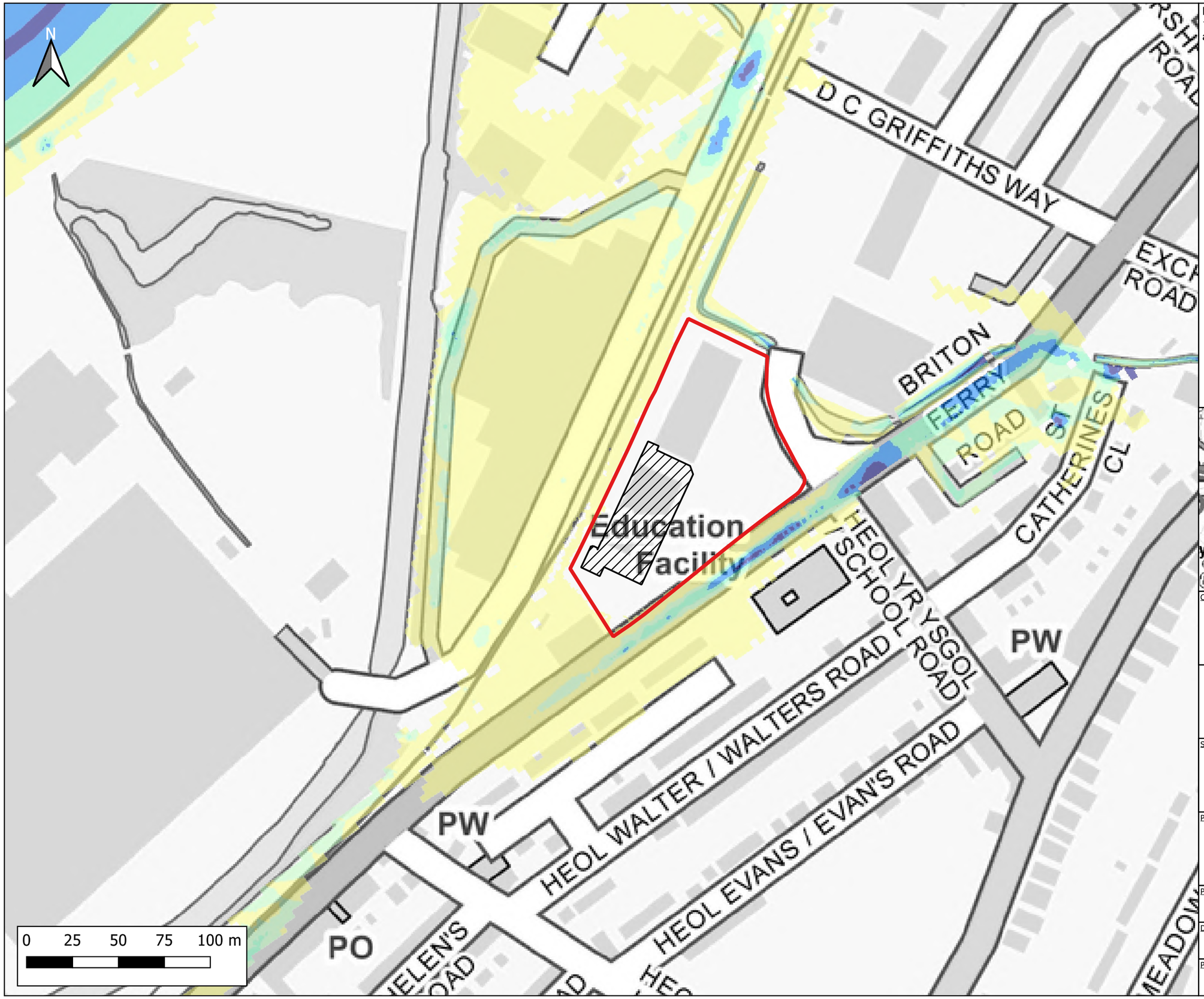
Maximum Flood Velocity
50%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_MHWS_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



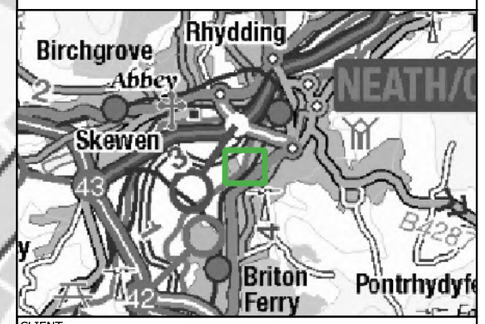
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

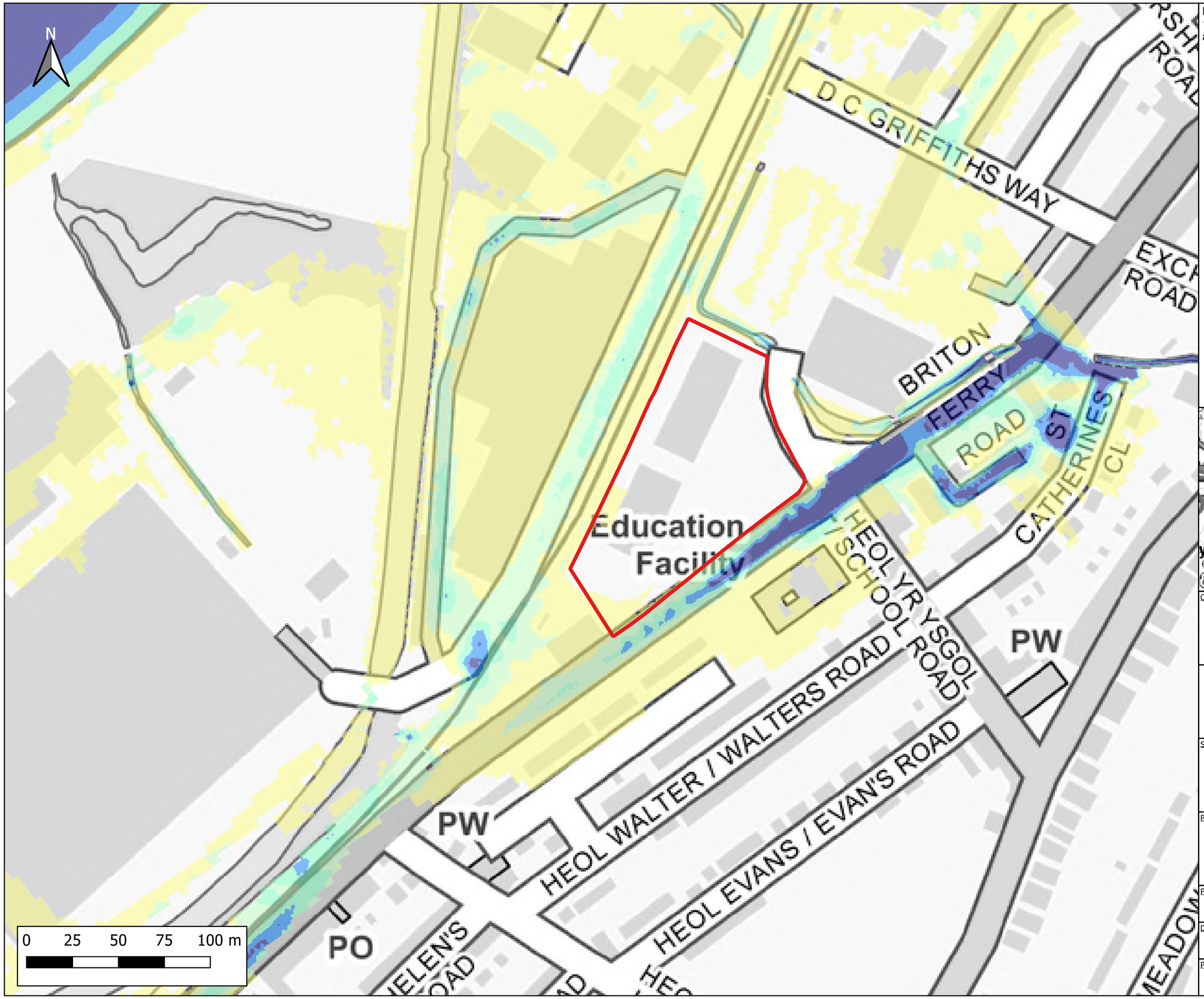
PLOT TITLE:
Maximum Flood Velocity
50%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



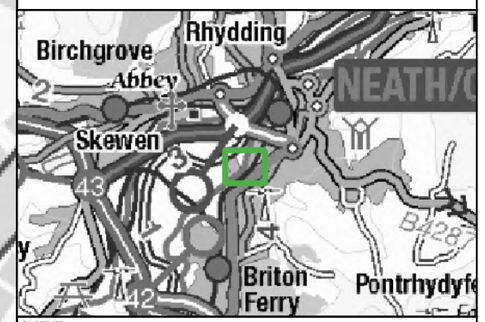
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

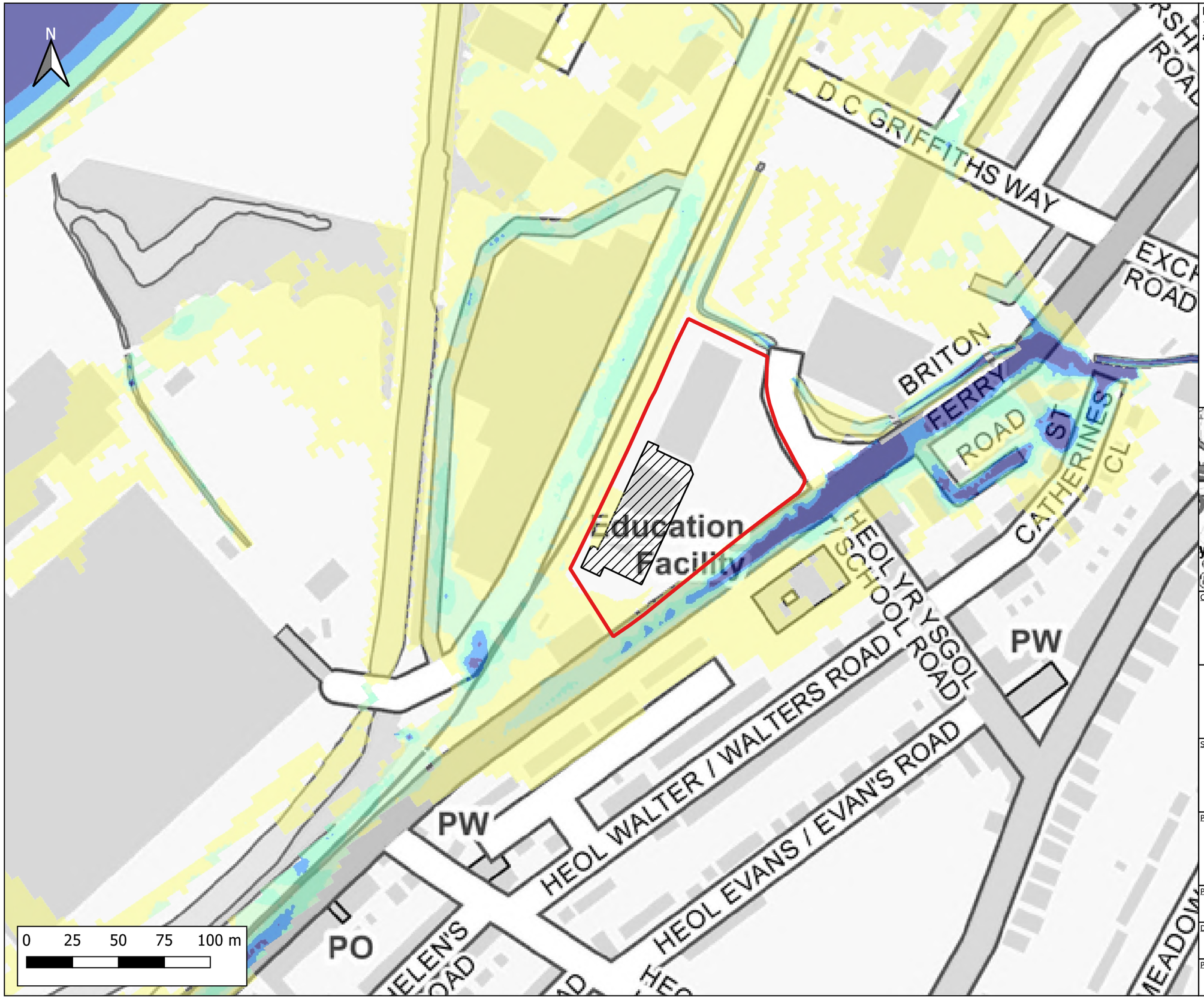
Maximum Flood Velocity
2% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50_MHWS_EXG_NC_V	-

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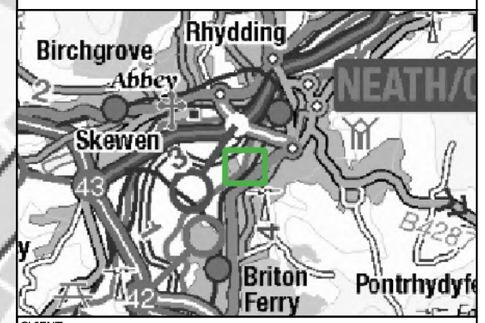
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

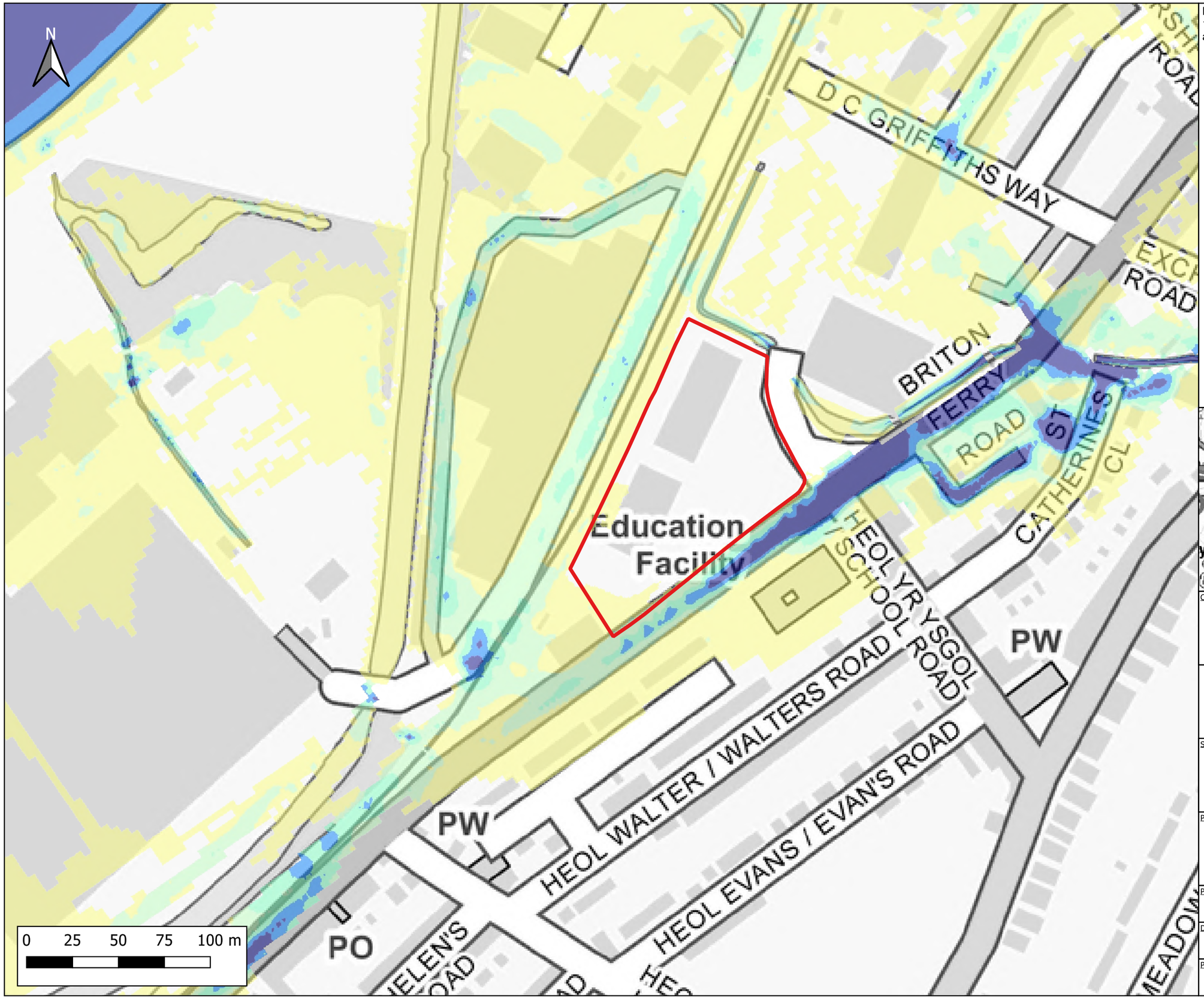
Maximum Flood Velocity
2% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



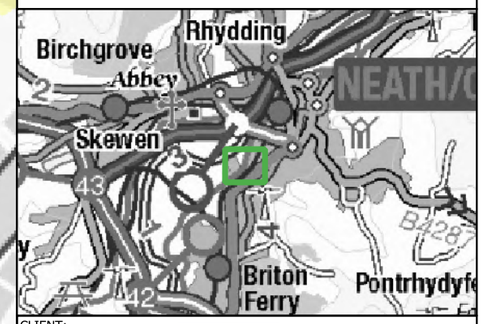
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

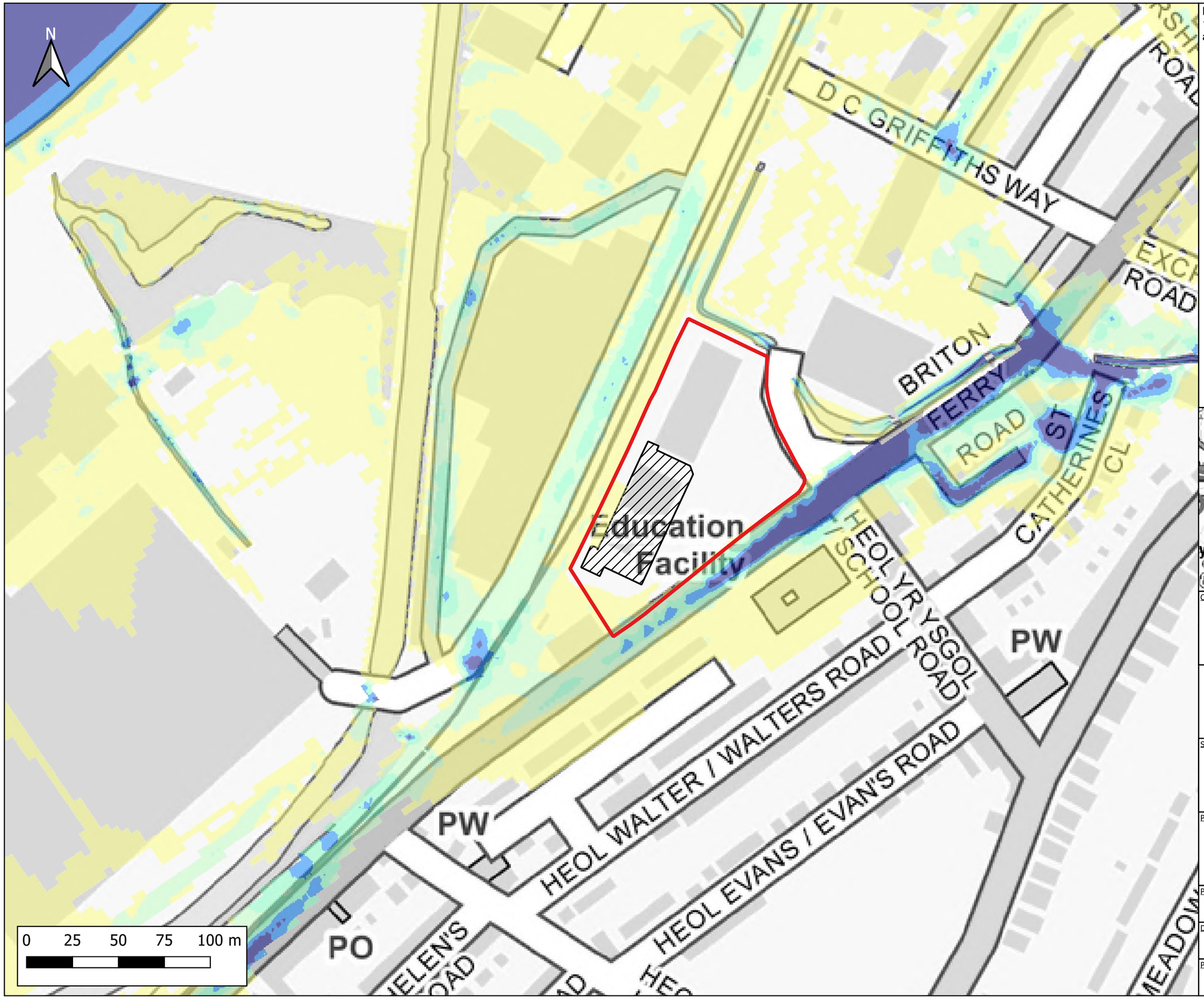
PLOT TITLE:

Maximum Flood Velocity
2%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50CC30_MHWS_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



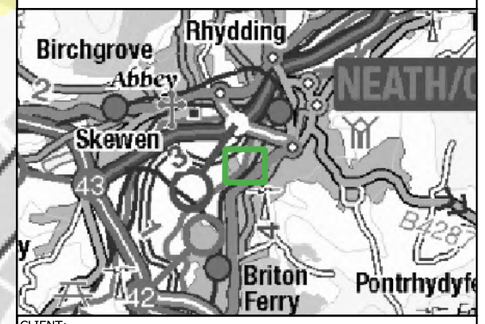
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

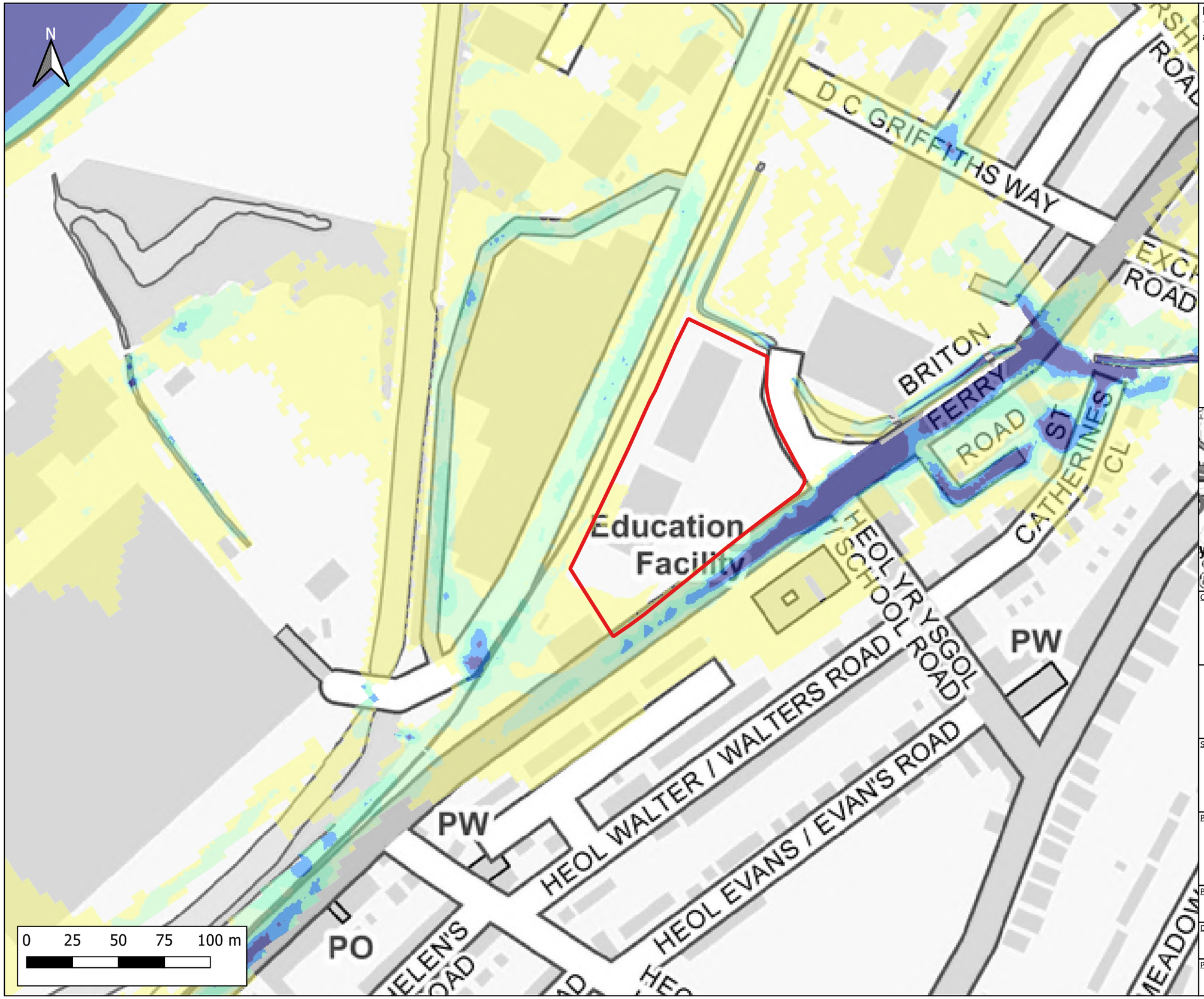
PLOT TITLE:

Maximum Flood Velocity
2%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50CC30_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



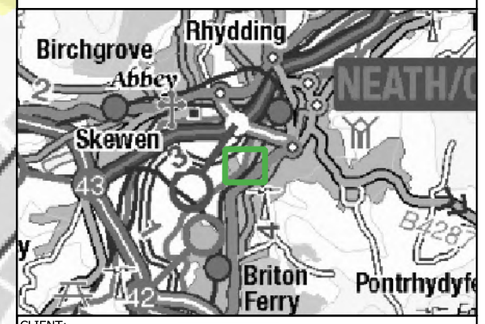
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

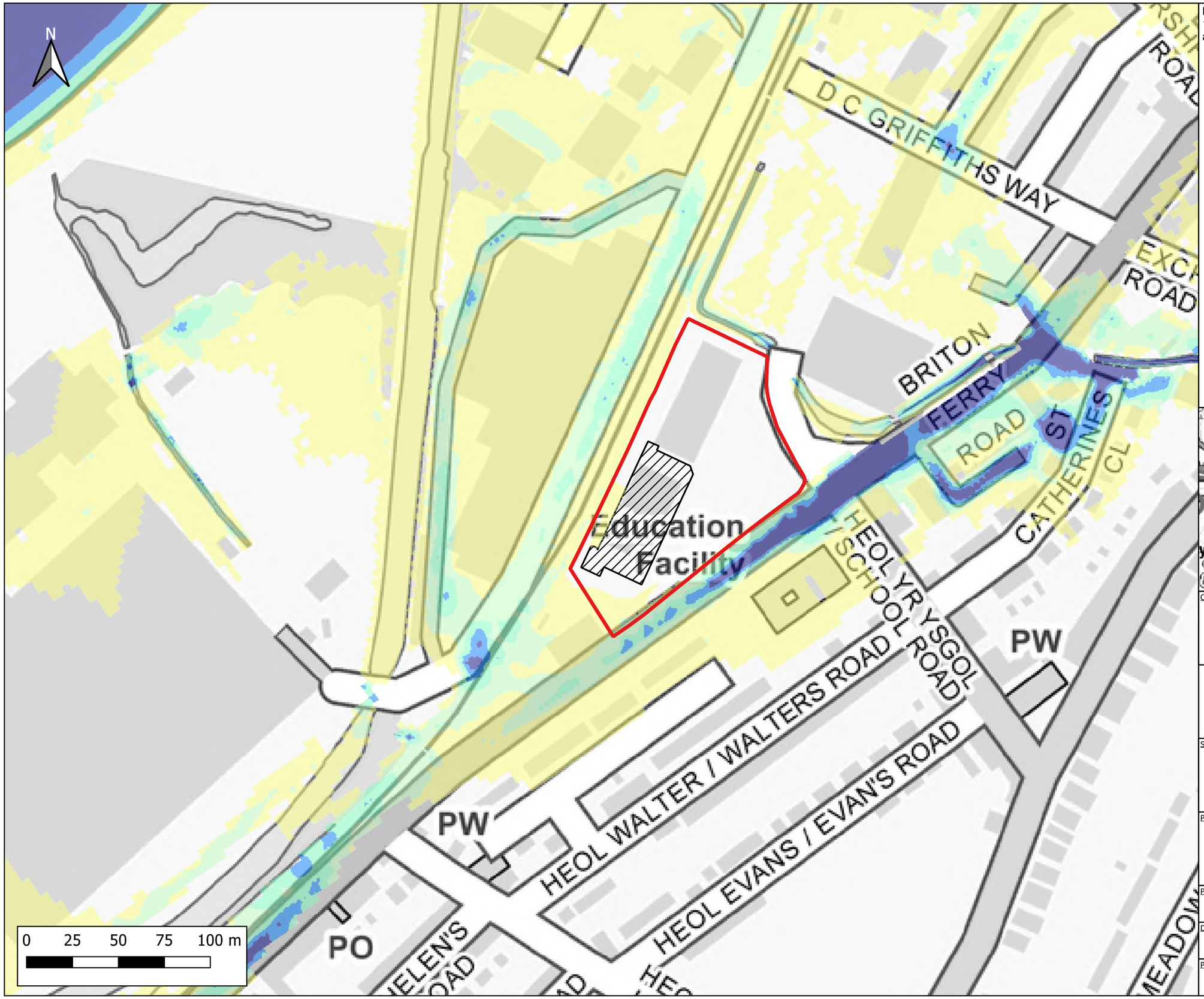
Maximum Flood Velocity
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



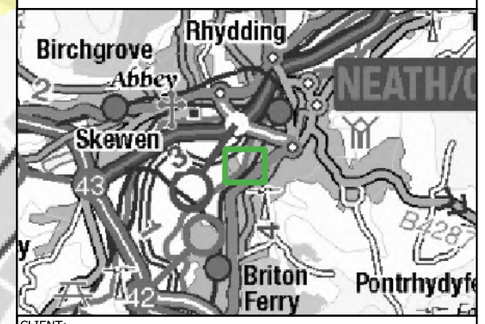
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME: Lidl, Briton Ferry Road, Neath

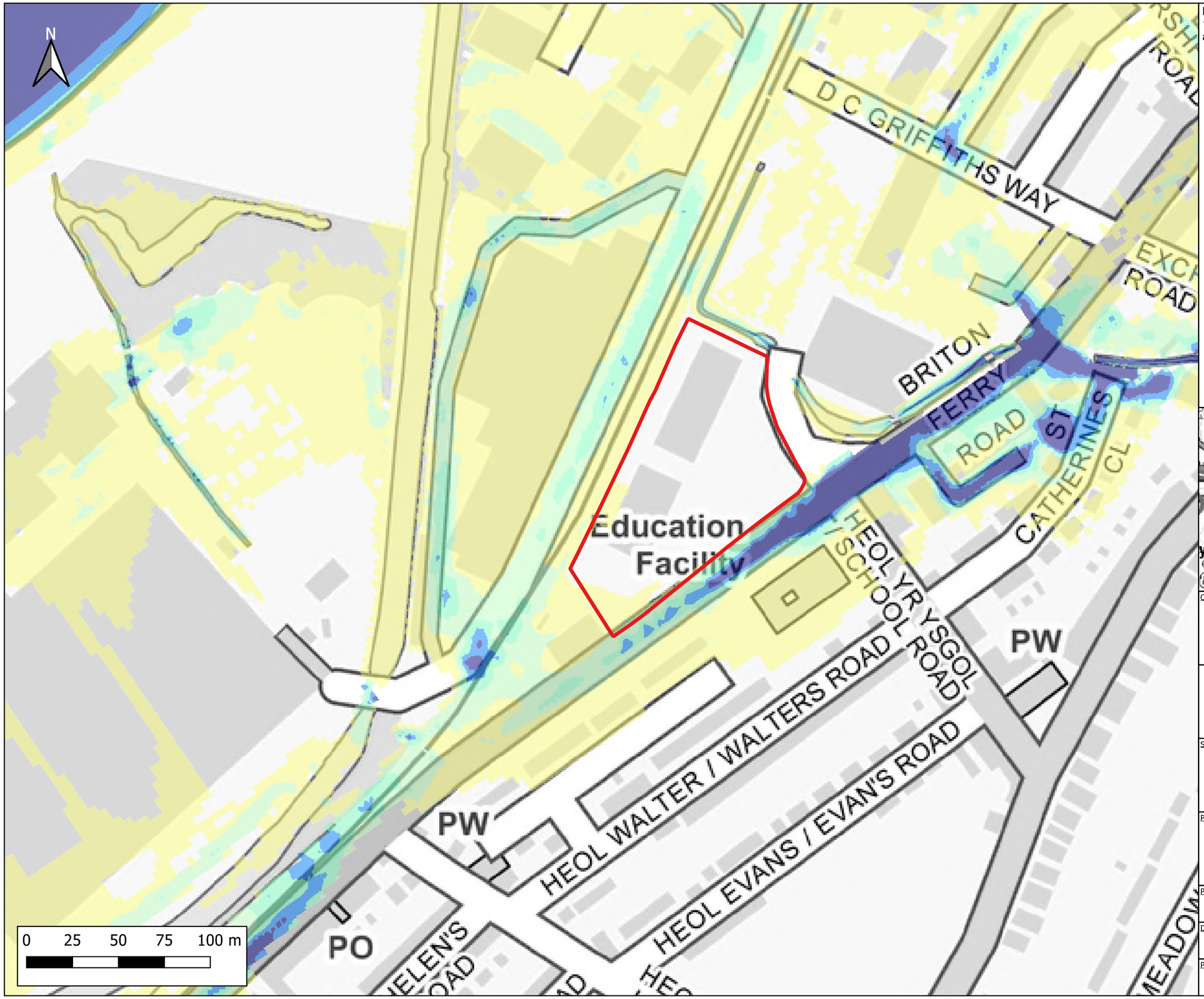
PLOT TITLE: Maximum Flood Velocity
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



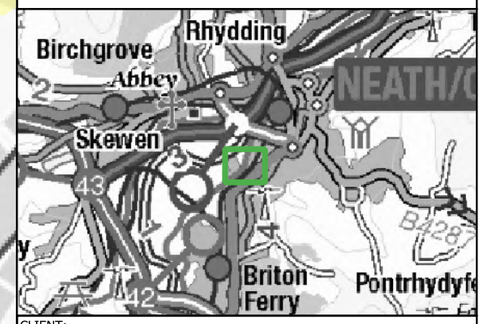
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME: Lidl, Briton Ferry Road, Neath

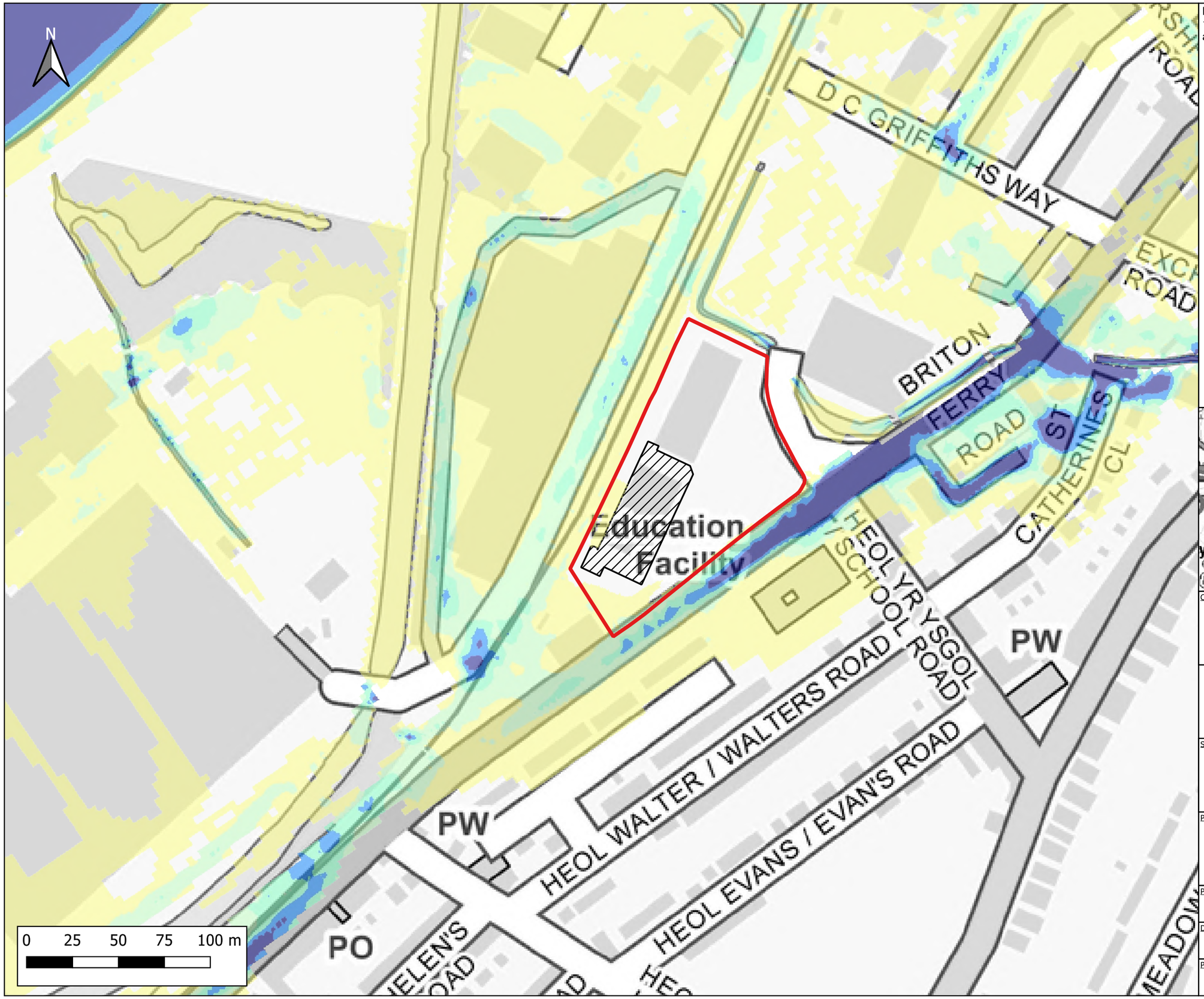
PLOT TITLE: Maximum Flood Velocity
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



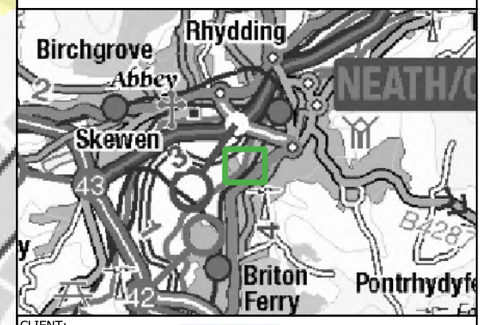
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME: Lidl, Briton Ferry Road, Neath

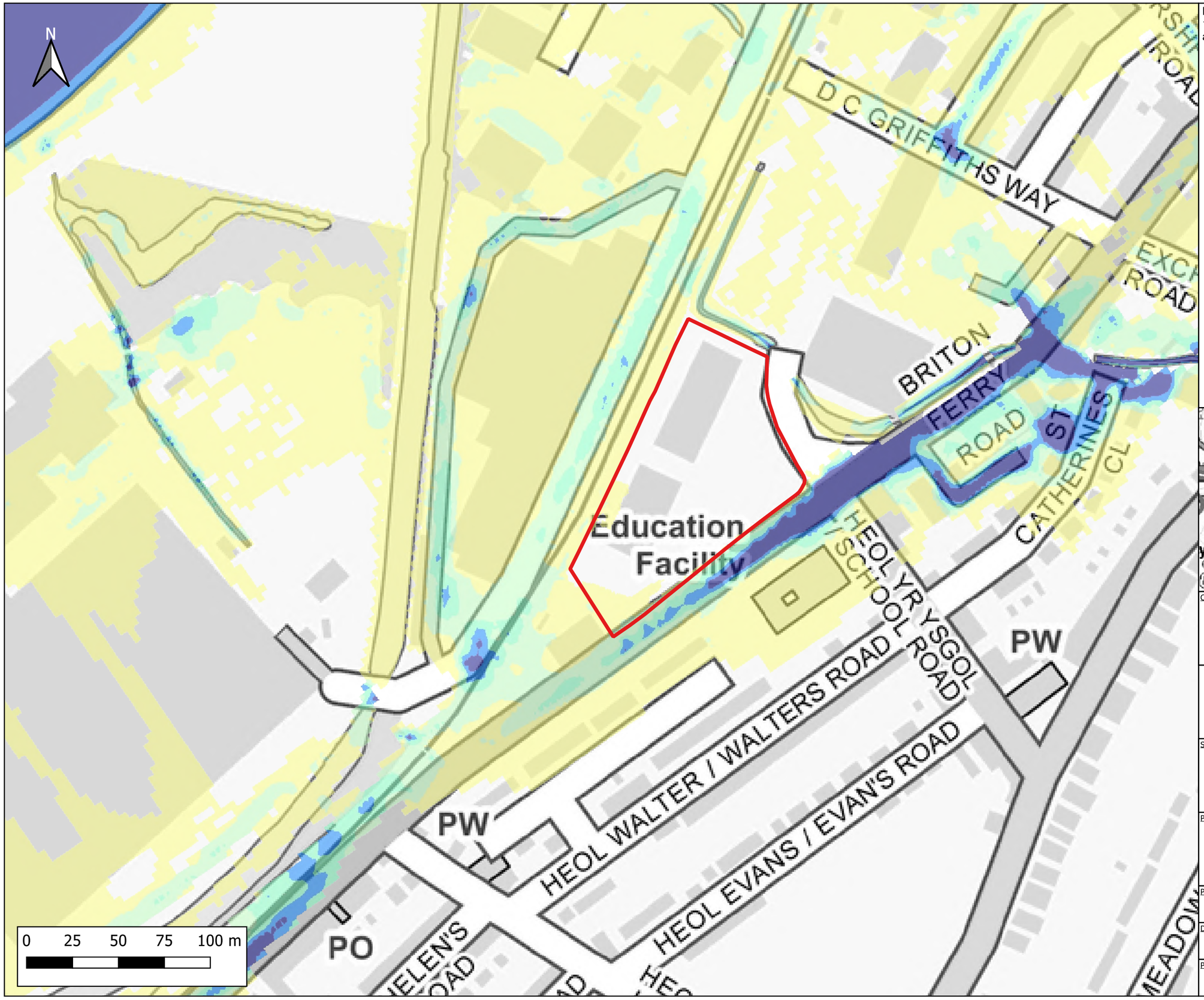
PLOT TITLE: Maximum Flood Velocity
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



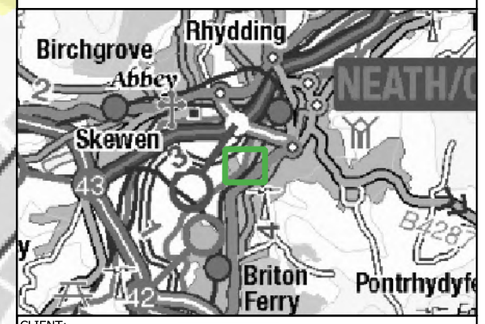
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

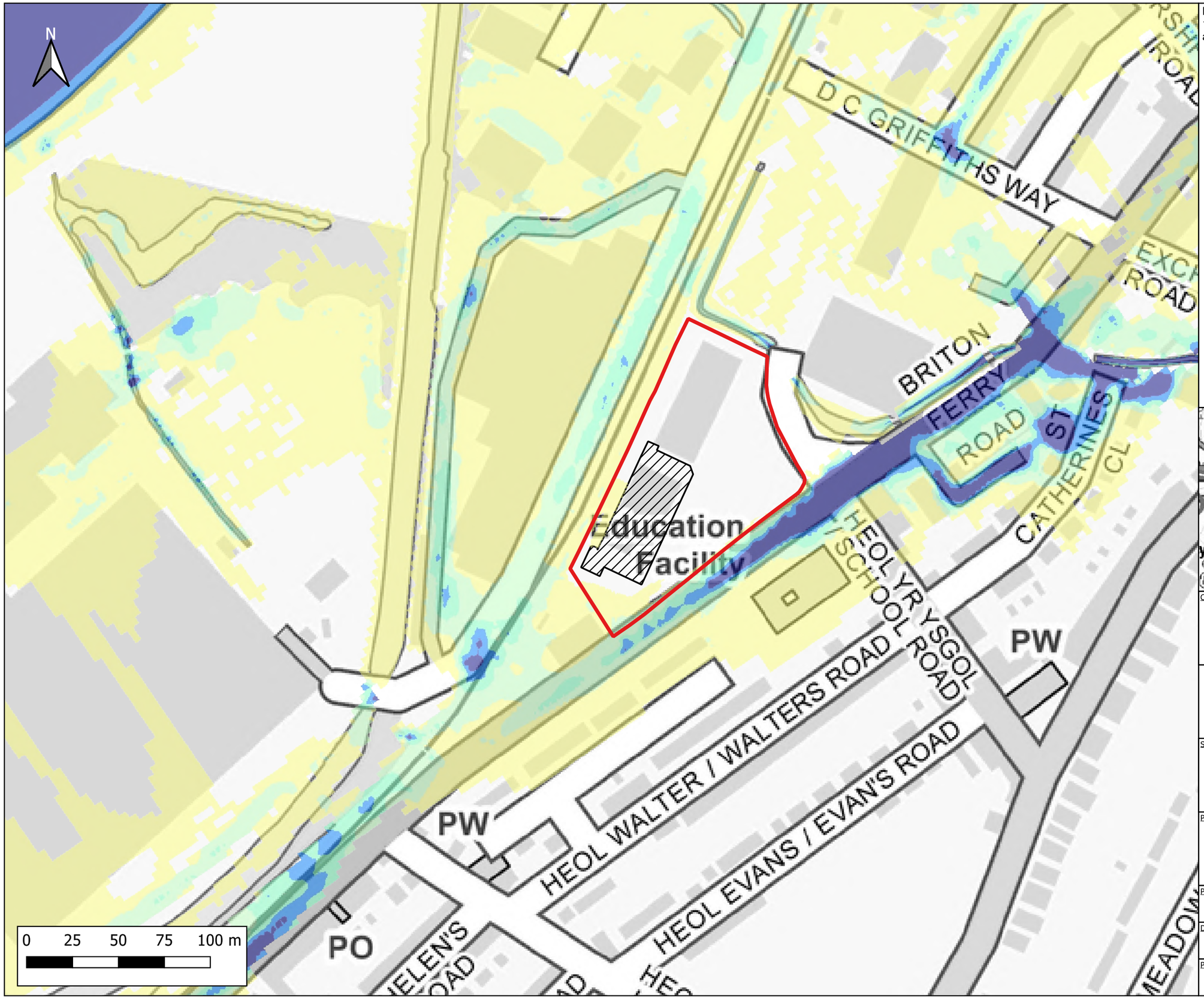
Maximum Flood Velocity
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



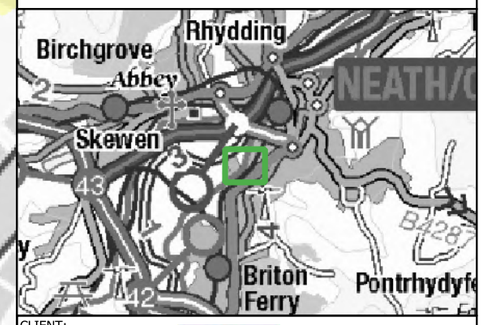
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood 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:
Lidl, Briton Ferry Road, Neath

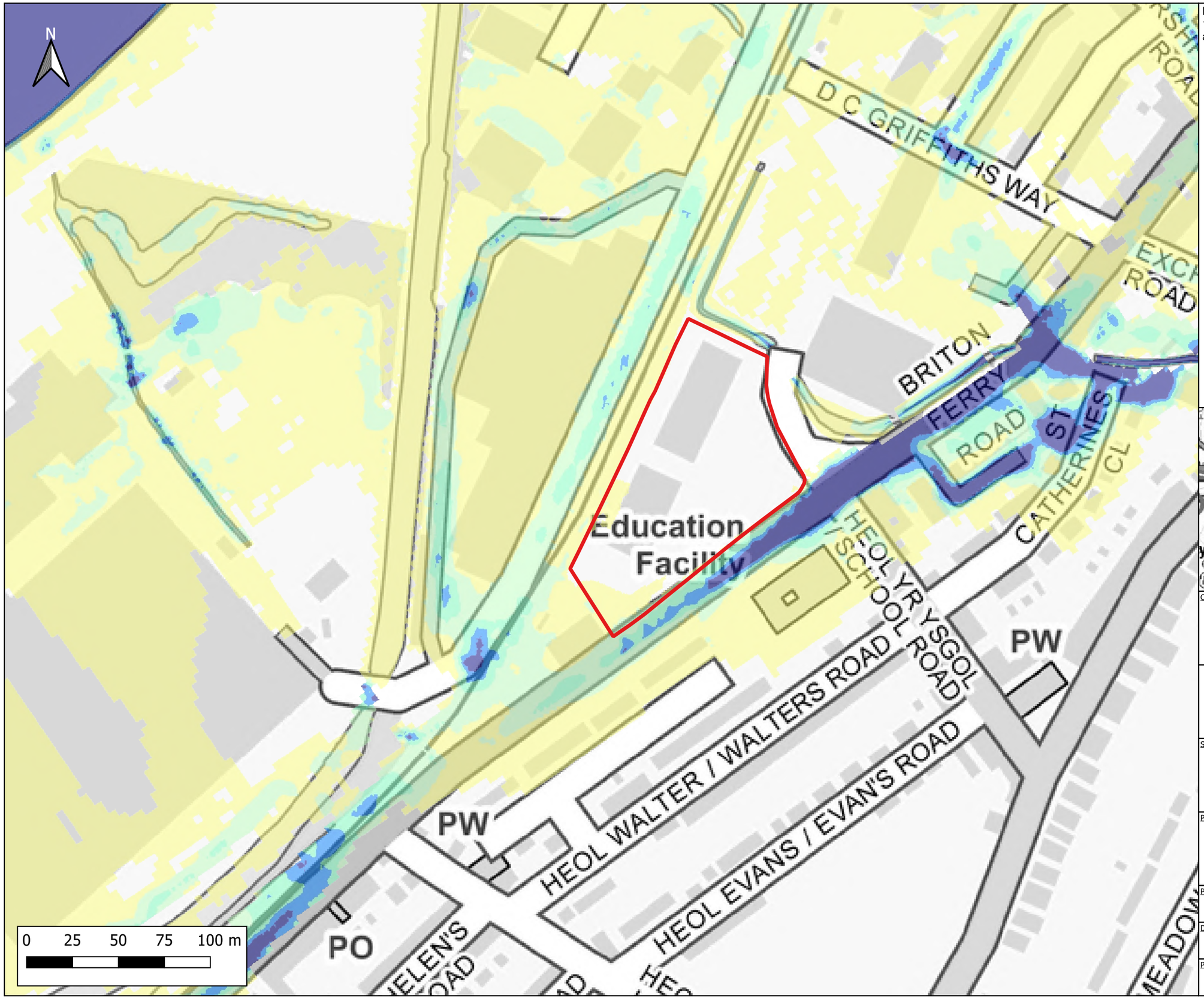
PLOT TITLE:
Maximum Flood Velocity
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



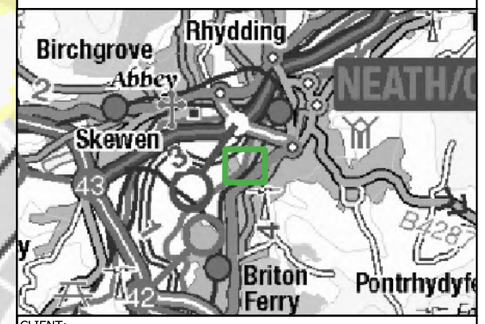
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

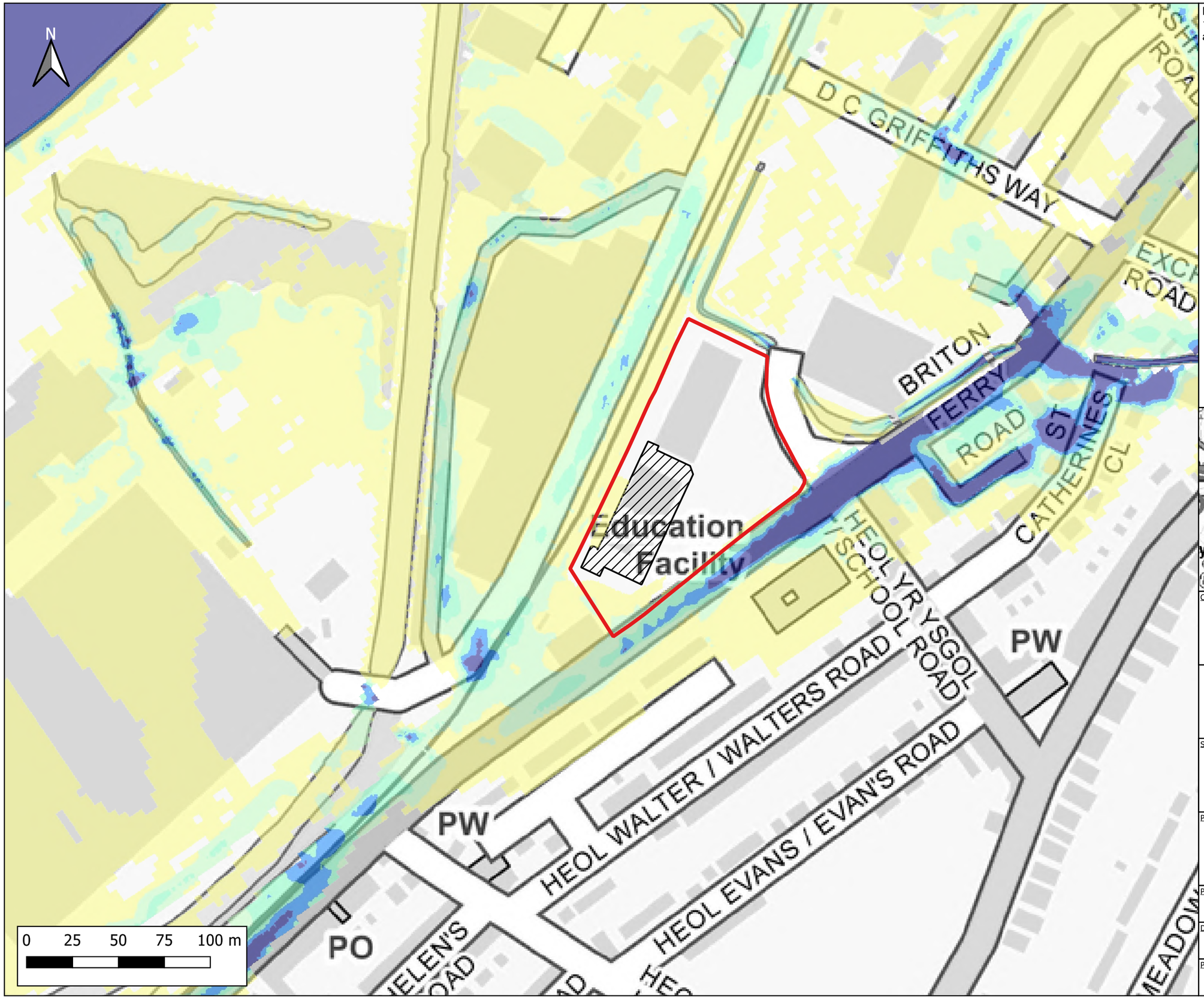
PLOT TITLE:

Maximum Flood Velocity
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



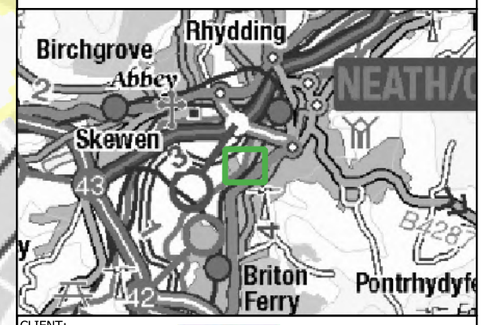
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

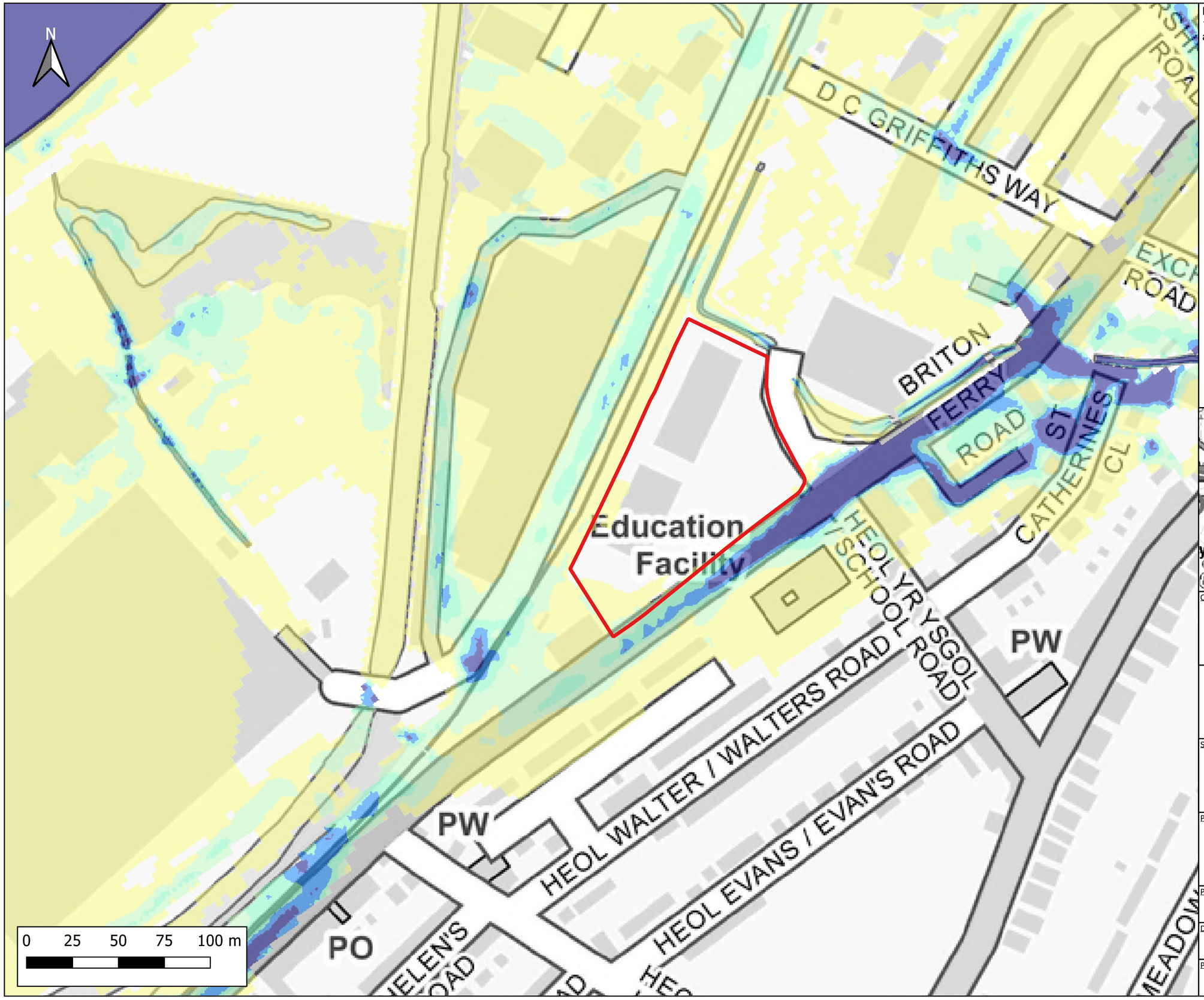
SCHEME: Lidl, Briton Ferry Road, Neath

PLOT TITLE: Maximum Flood Velocity
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME: 13099_Q100CC30_MHWS_2100_DEV_ST3_V
REVISION: -

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



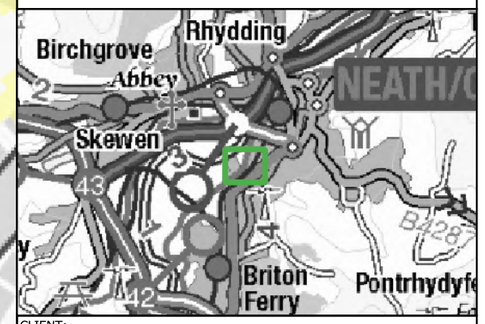
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

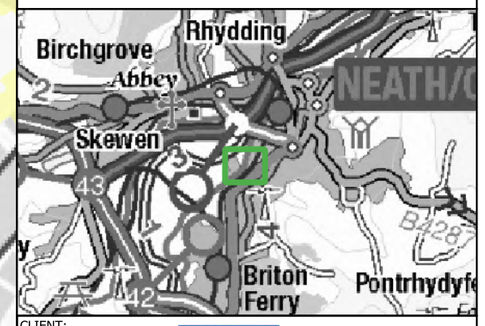
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



0 25 50 75 100 m

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

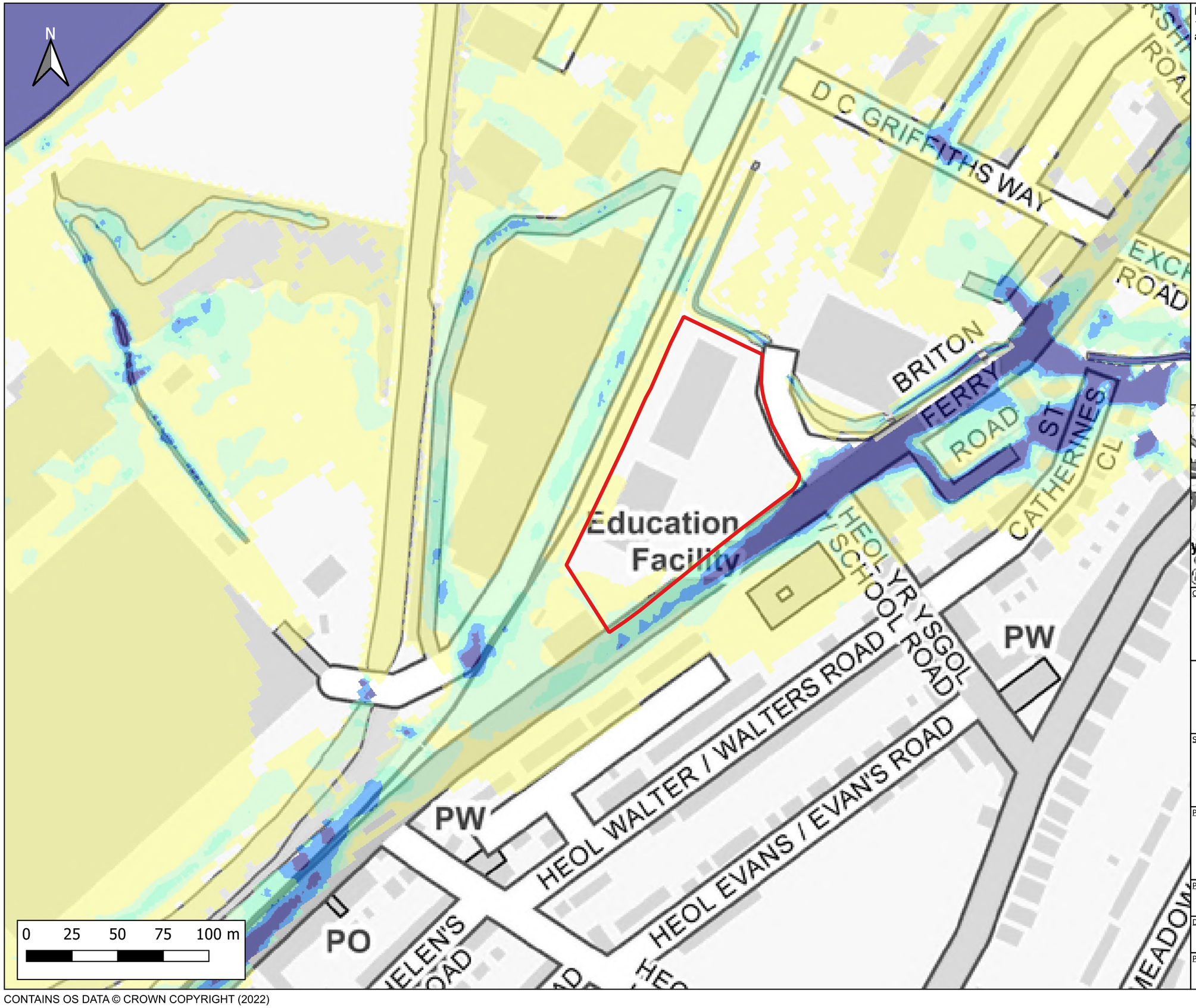
PLOT TITLE:

Maximum Flood Velocity
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_NC_V	-



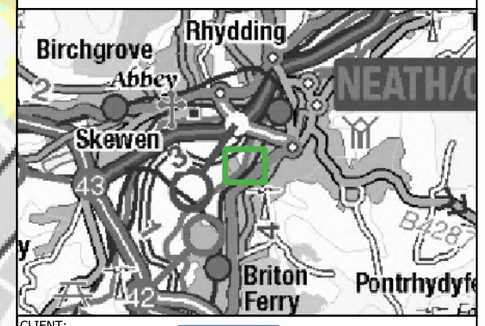
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

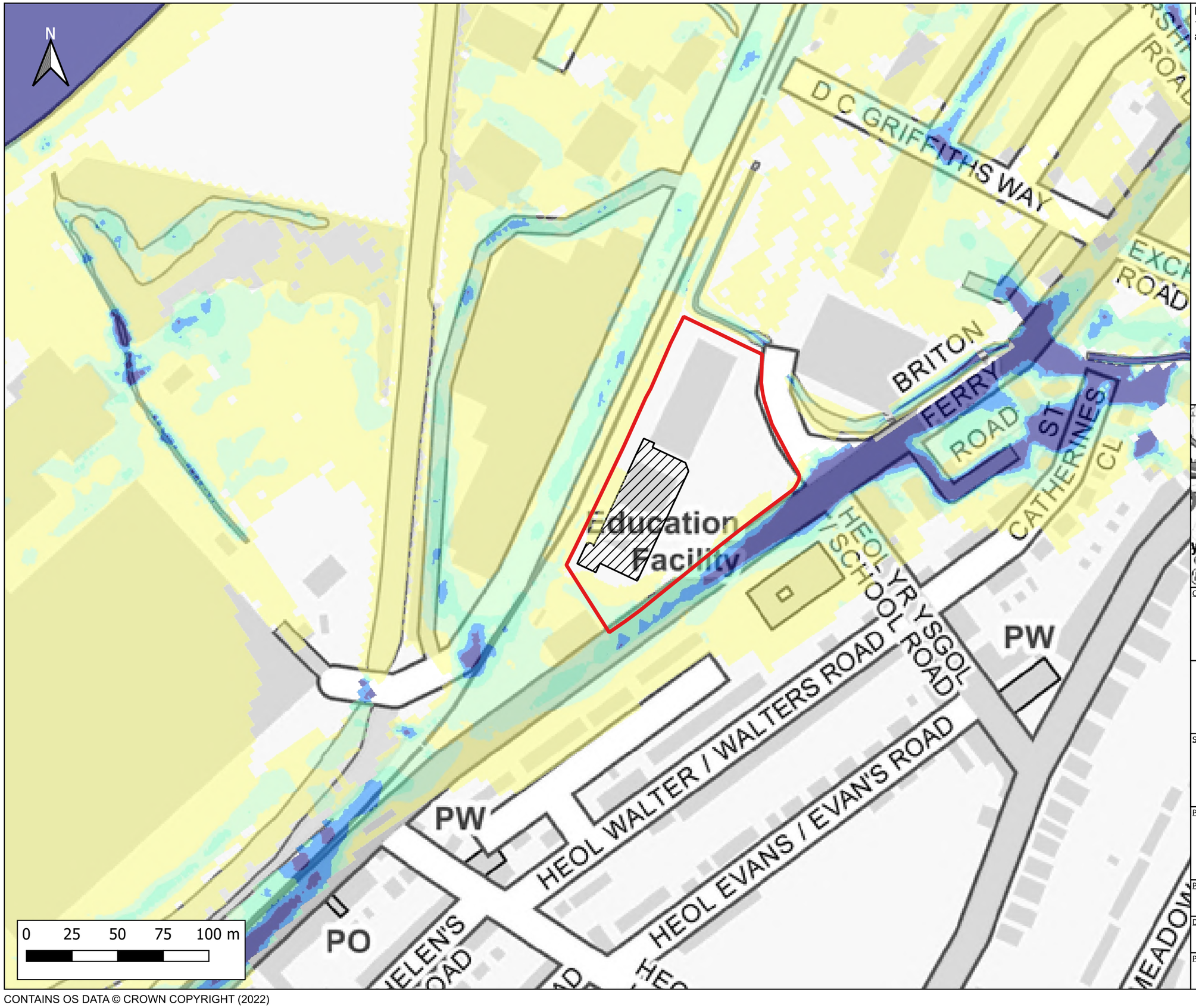
Maximum Flood Velocity
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



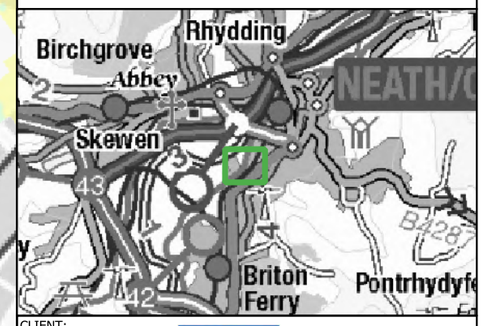
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

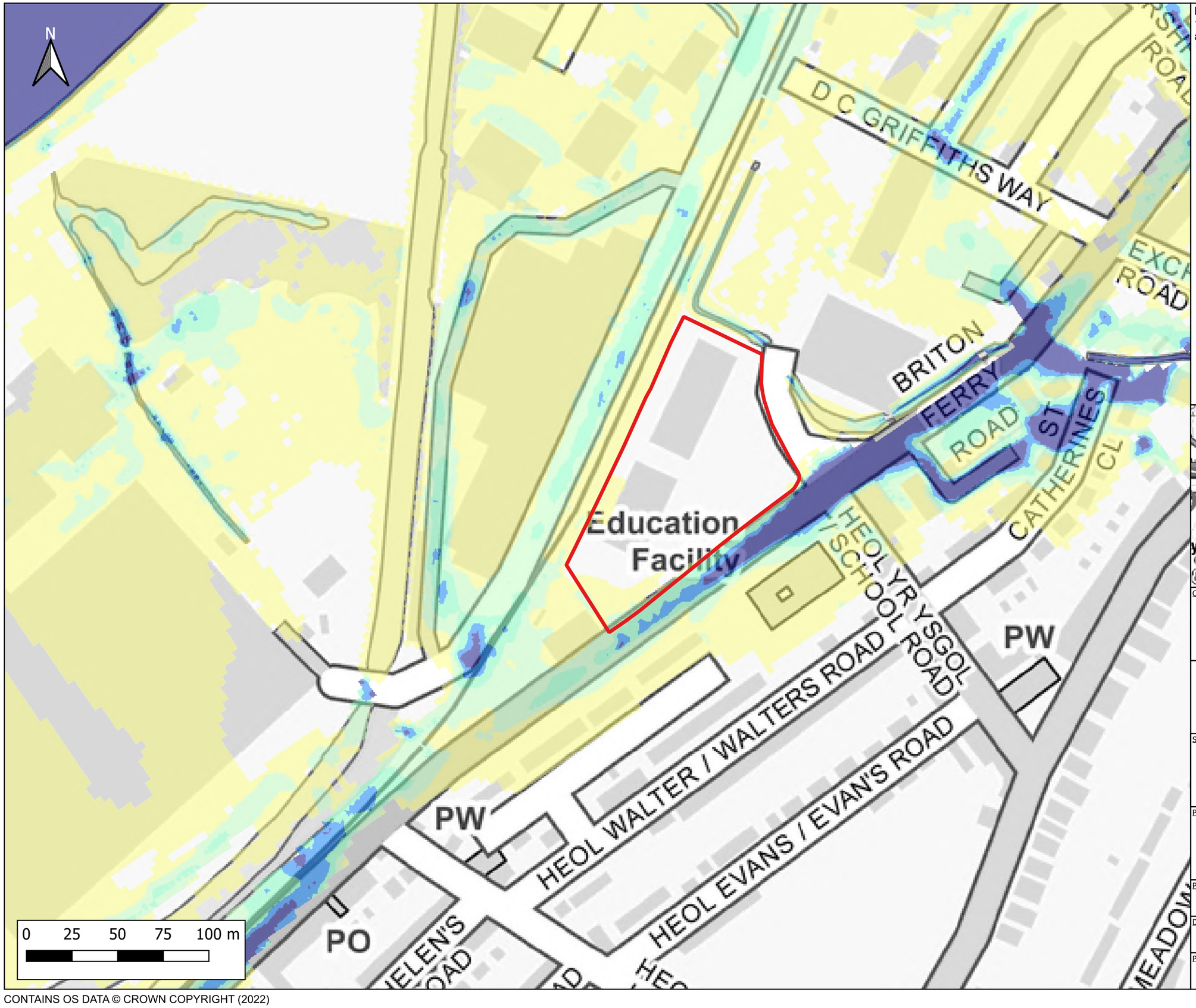
Maximum Flood Velocity
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



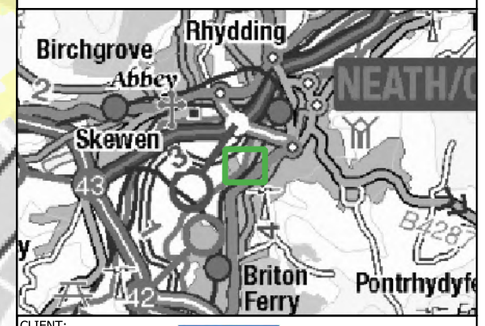
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

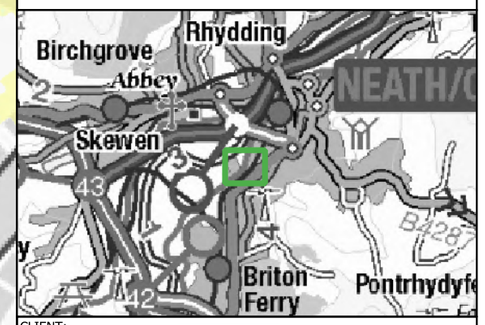
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

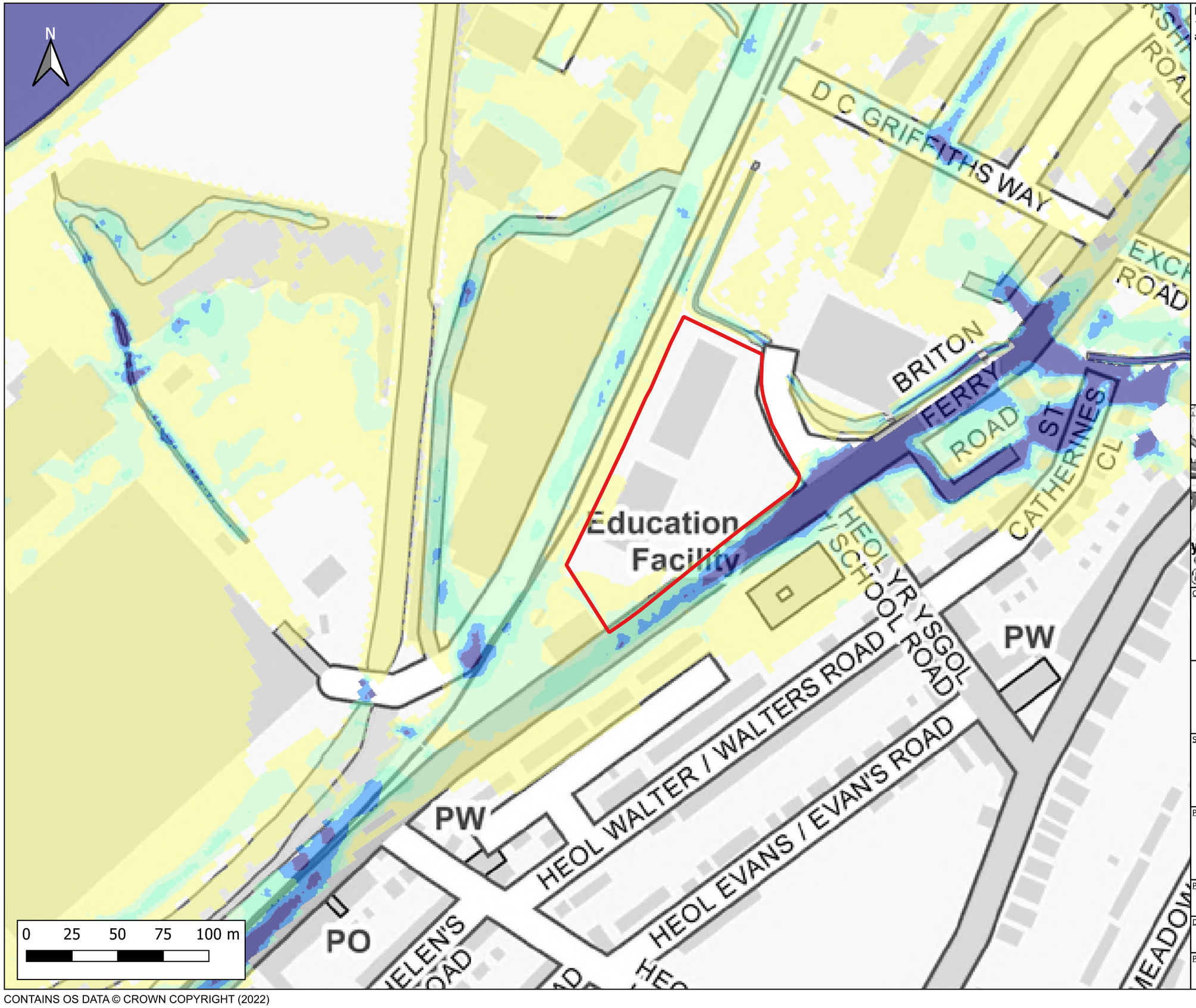
Maximum Flood Velocity
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



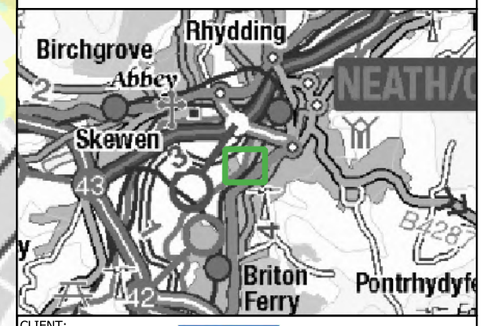
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

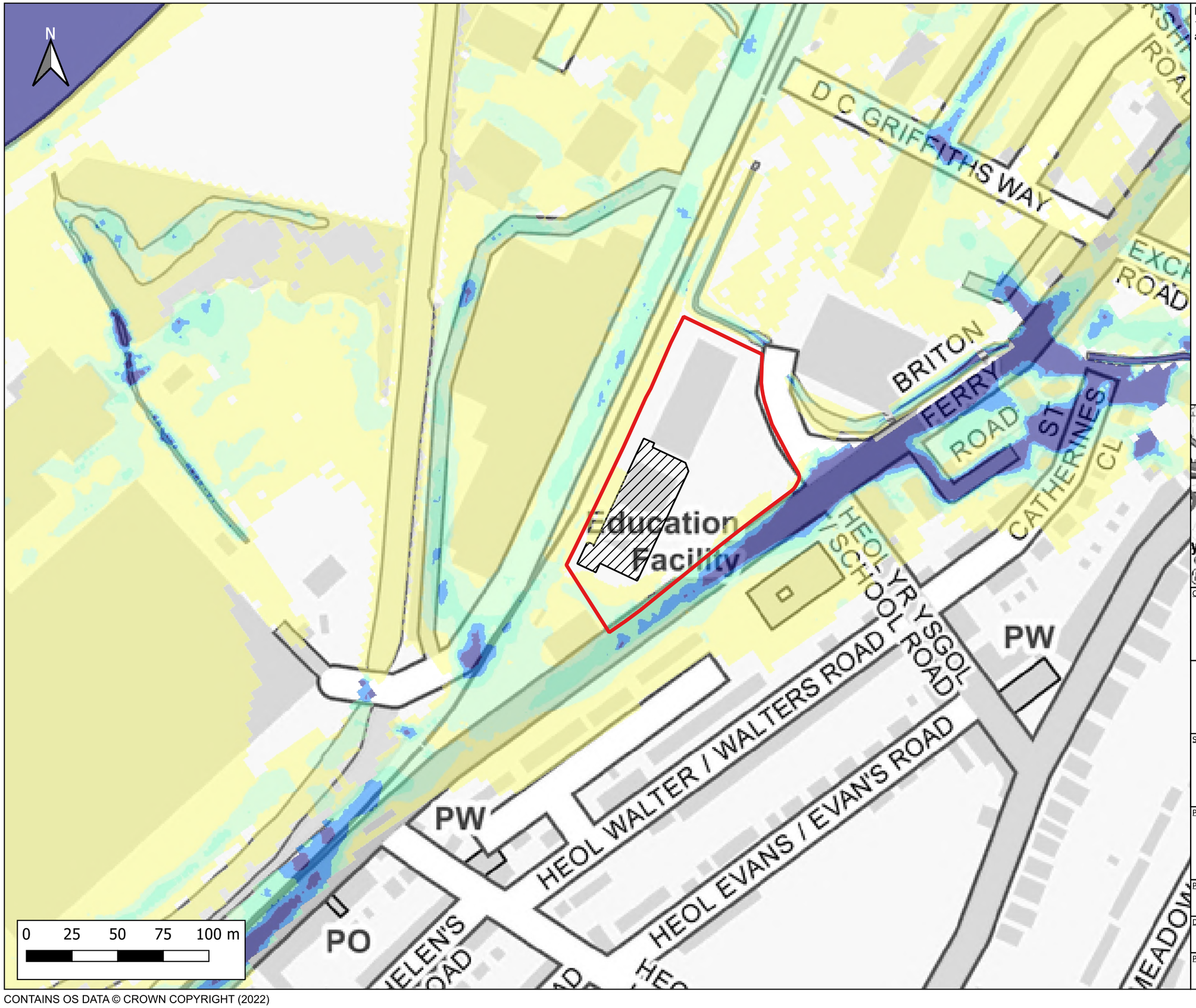
Maximum Flood Velocity
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



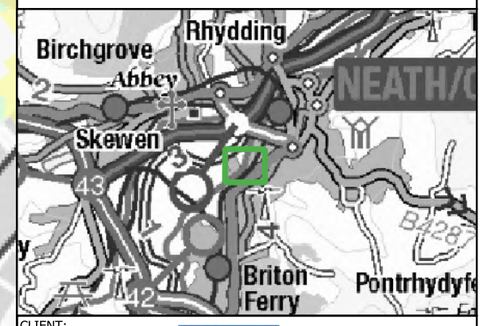
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

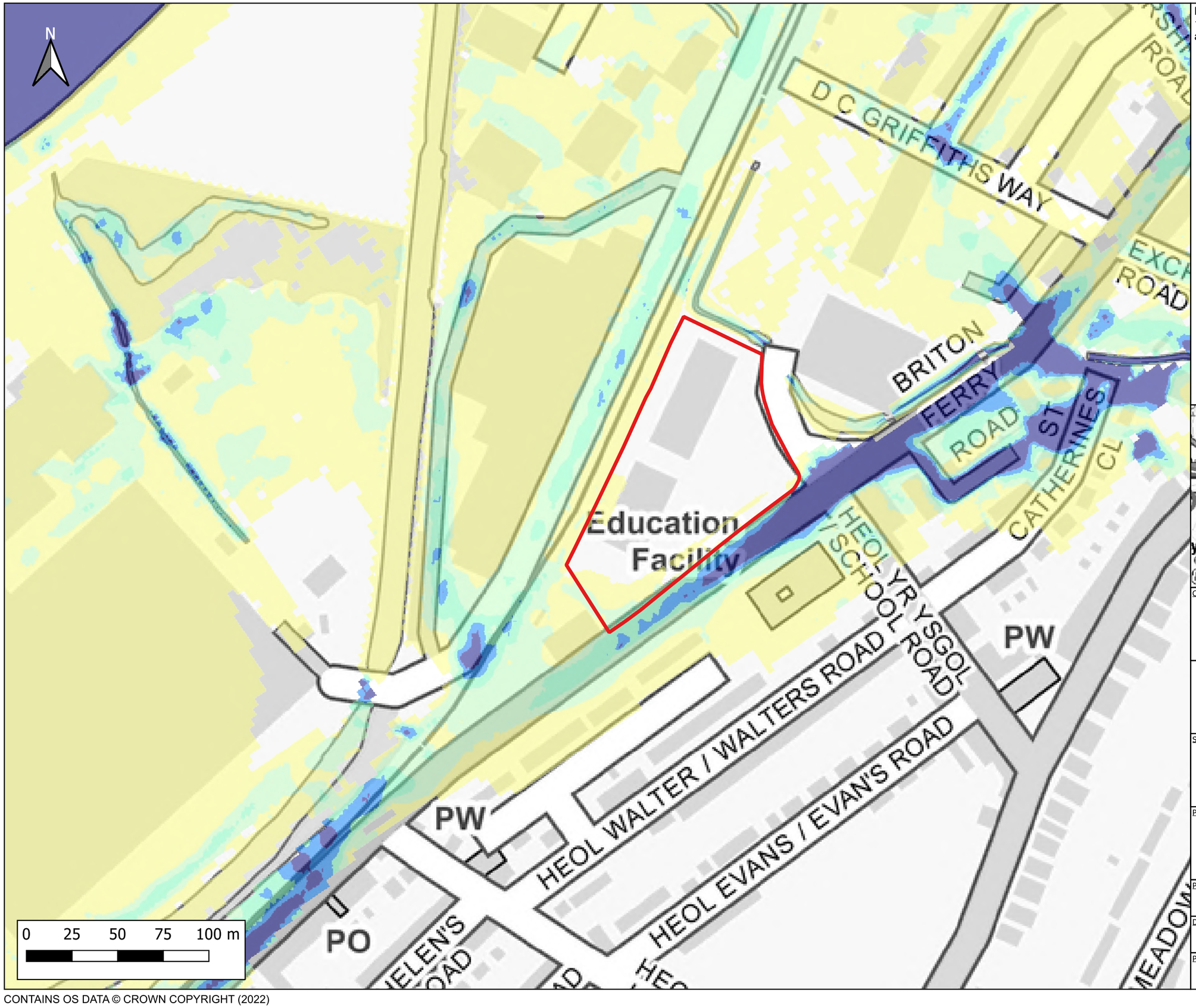
Maximum Flood Velocity
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



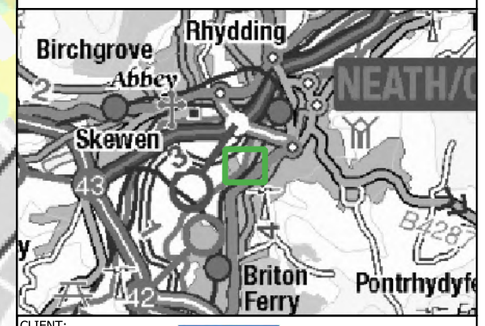
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

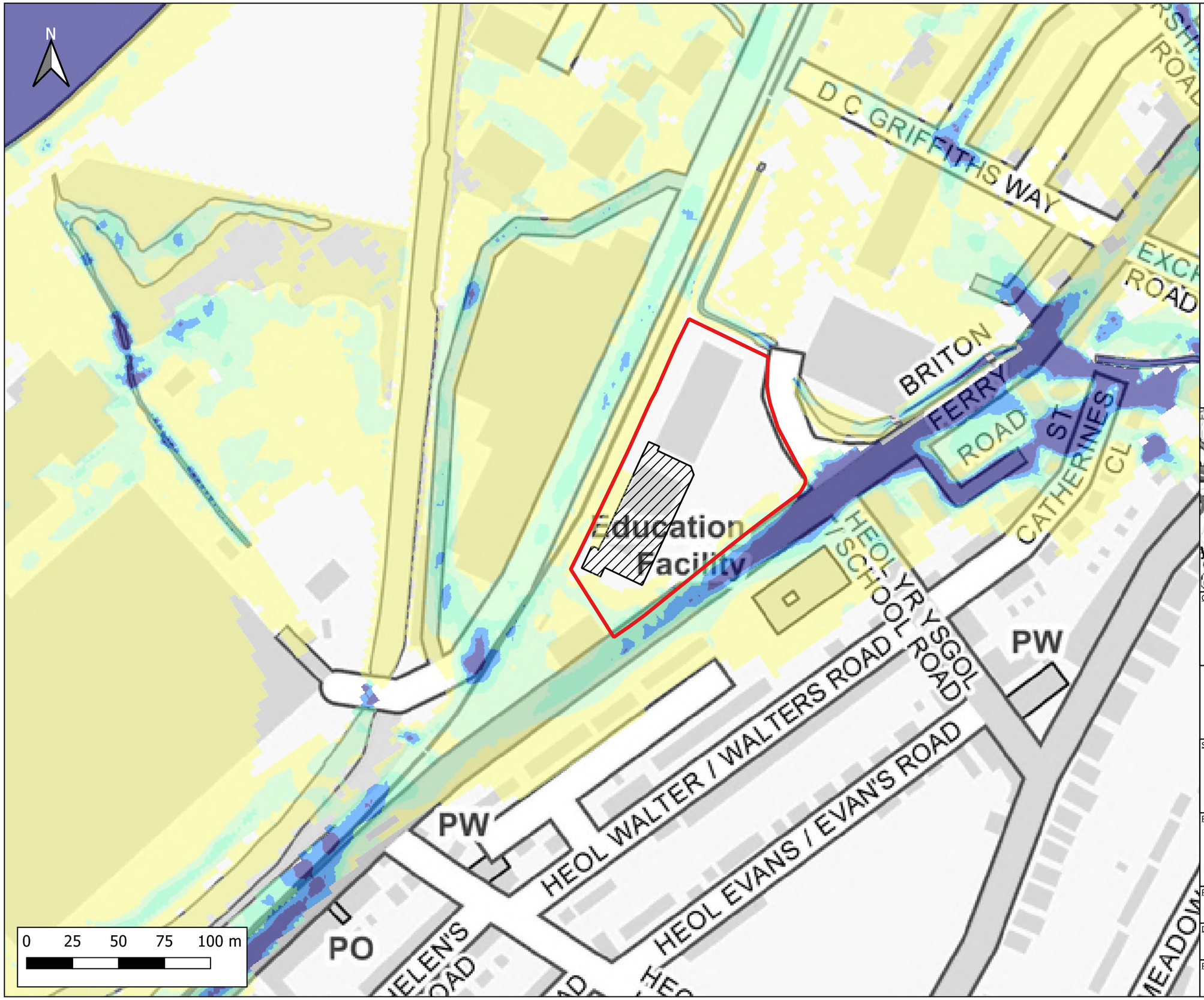
Maximum Flood Velocity
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



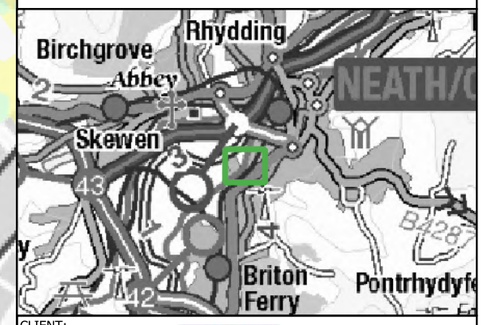
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

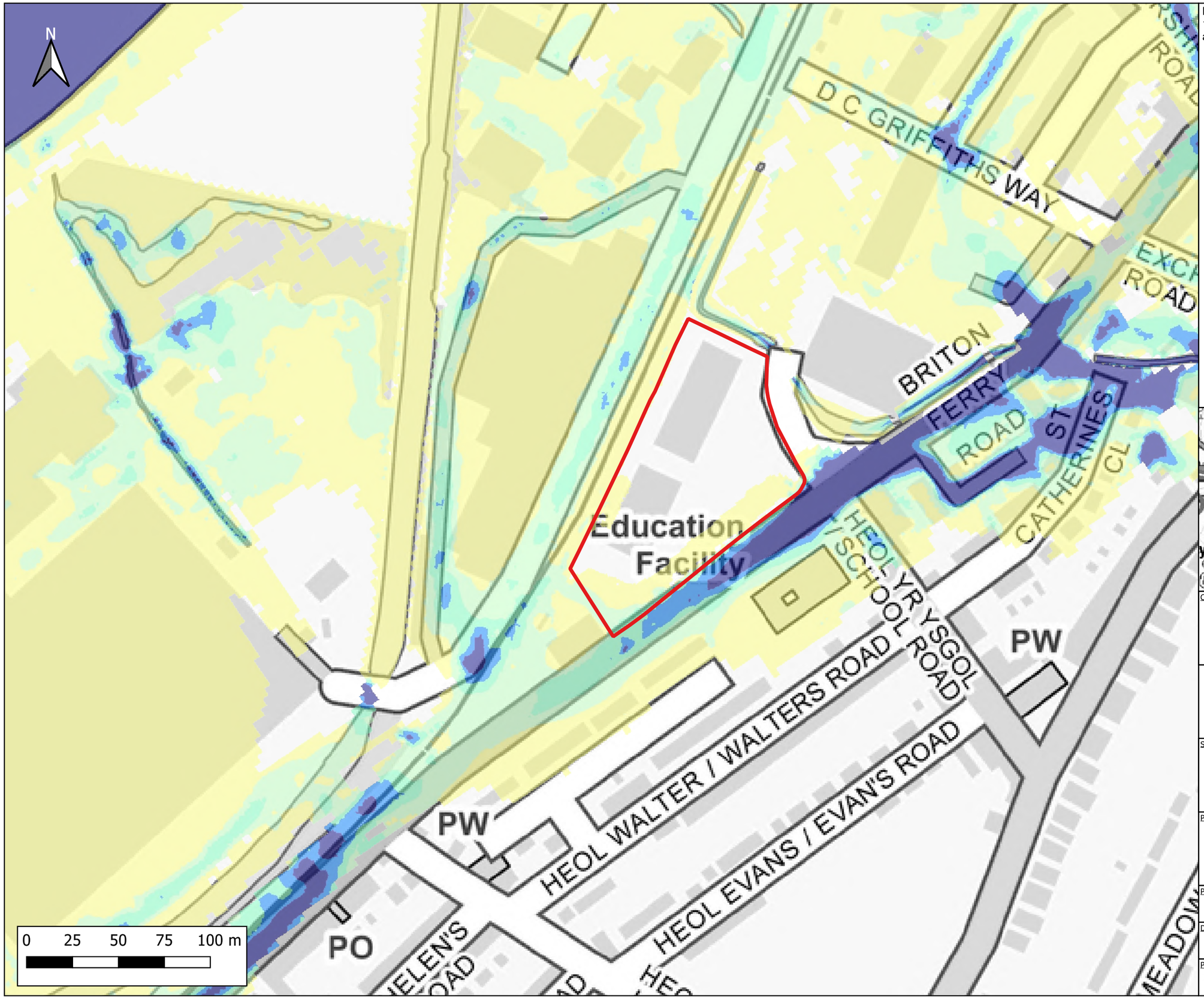
PLOT TITLE:
Maximum Flood Velocity
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



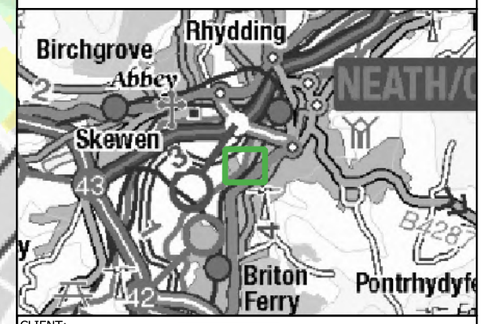
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

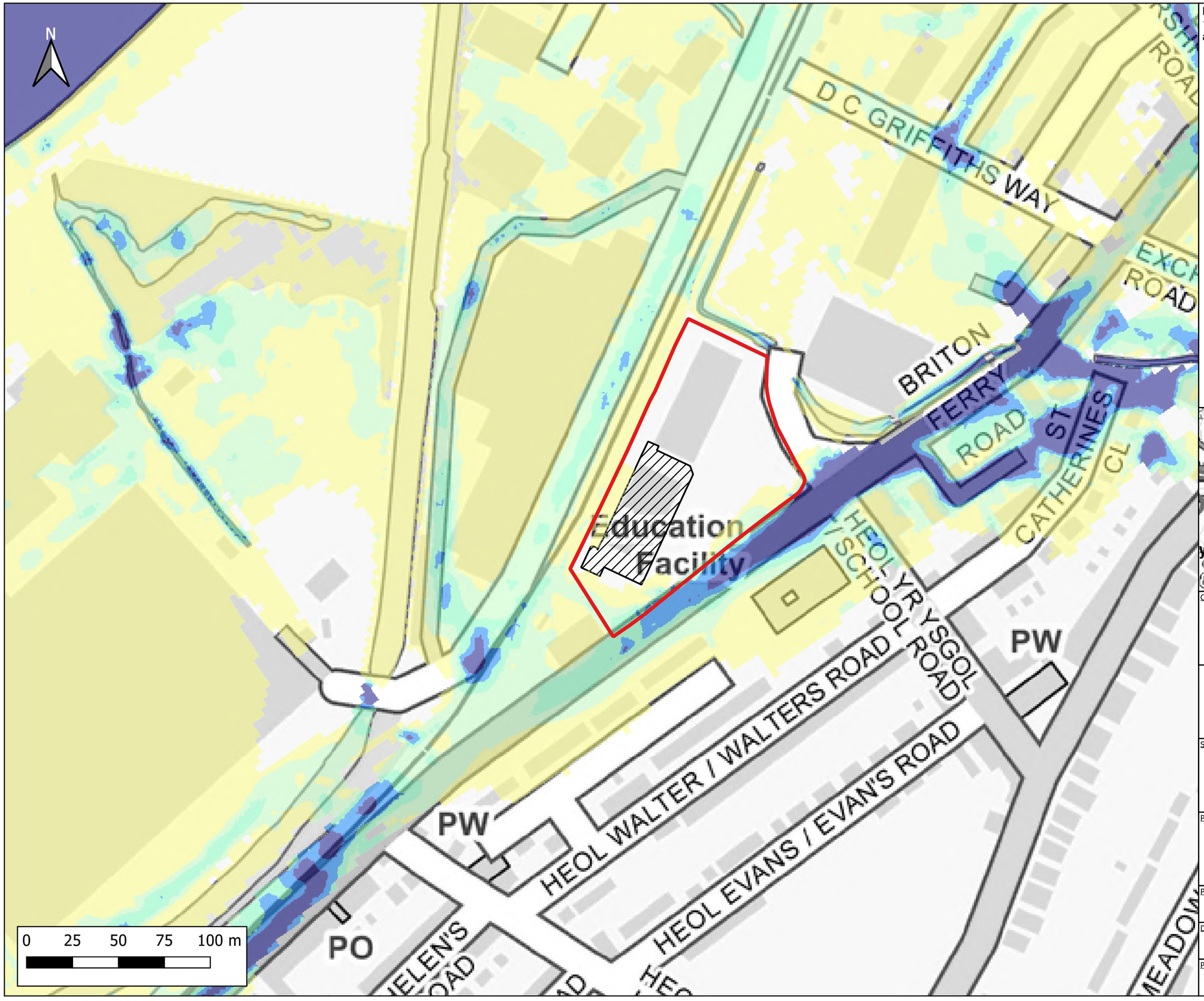
Maximum Flood Velocity
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_EXG_ST3_V	-

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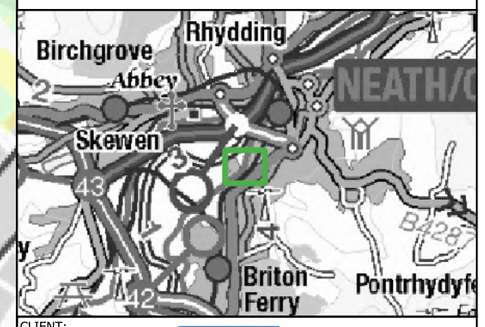
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

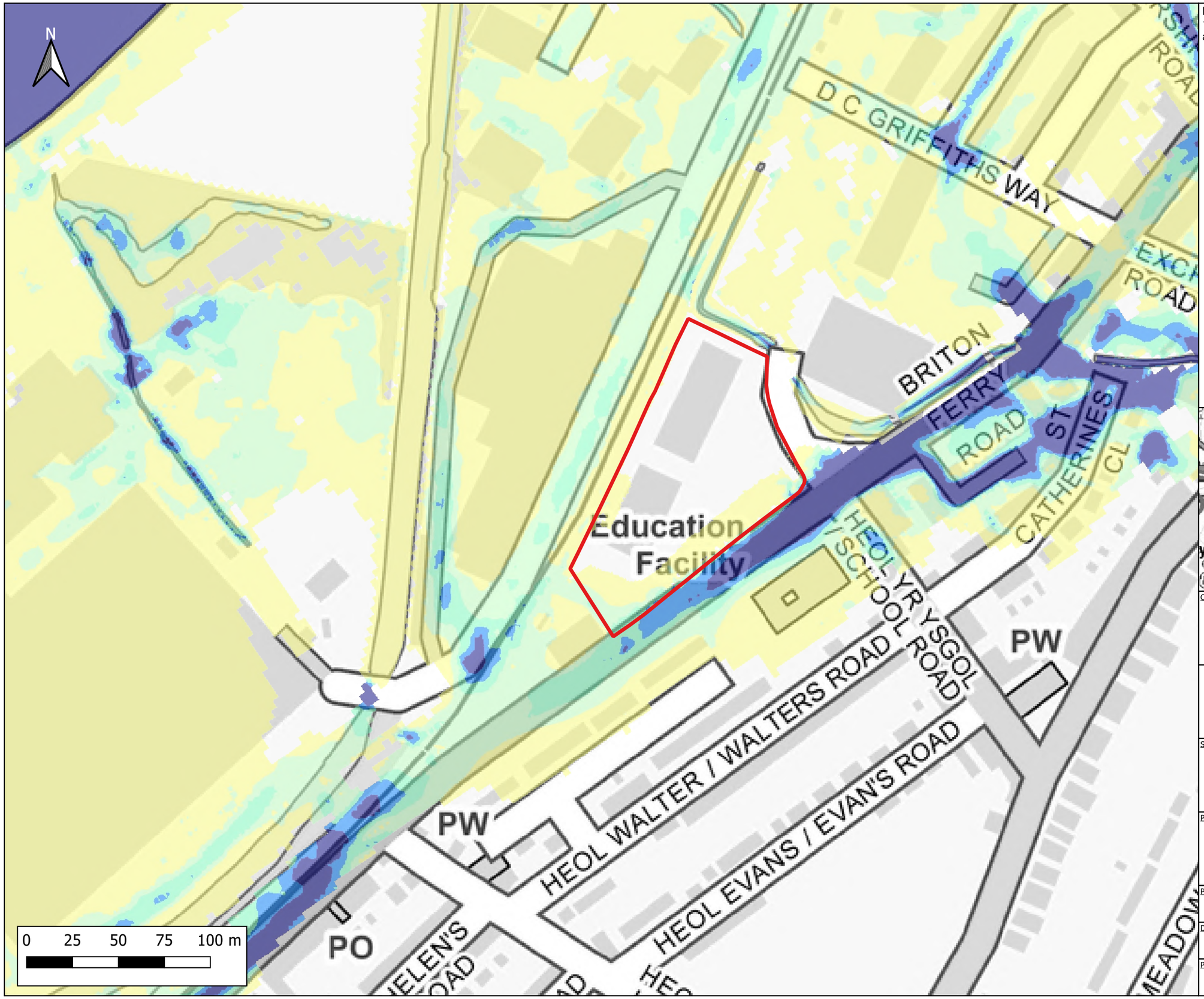
PLOT TITLE:
Maximum Flood Velocity
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC30_MHWS_2100_DEV_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



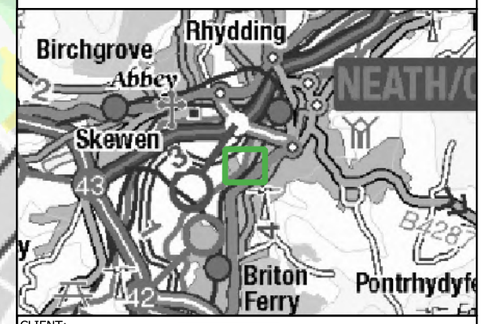
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

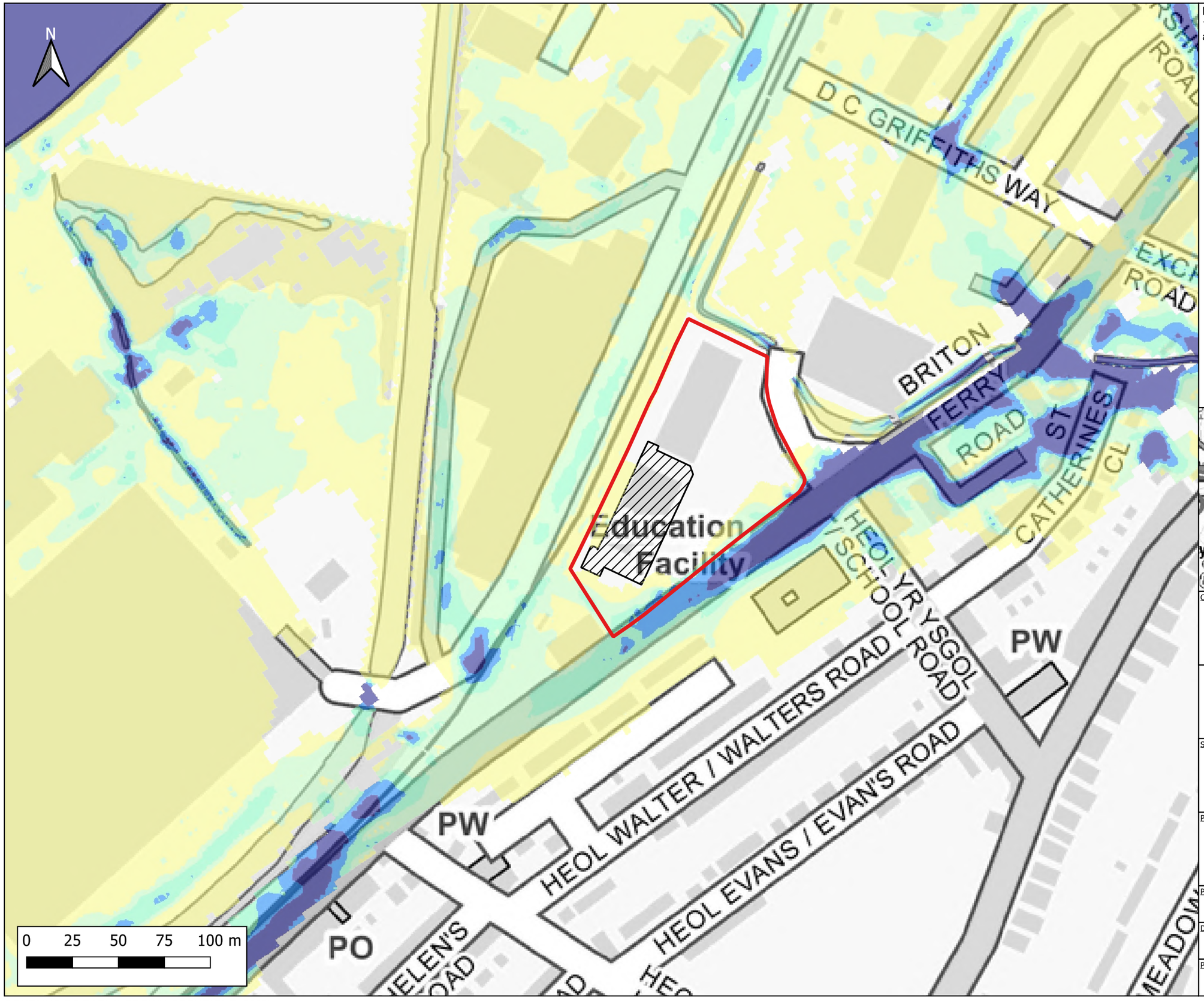
PLOT TITLE:

Maximum Flood Velocity
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



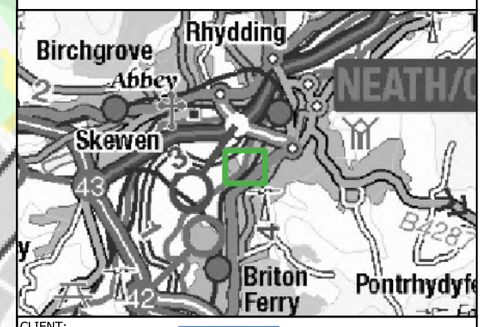
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

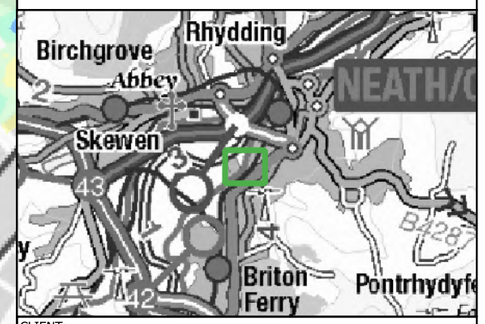
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000CC75_MHWS_2100_EXG_ST3_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

N

D C GRIFFITHS WAY

BRITON FERRY ROAD

ST CATHERINES CL

Education Facility

HEOL YSGOL

YR YSGOL ROAD

HEOL WALTER / WALTERS ROAD

HEOL EVANS / EVAN'S ROAD

PW

PW

PO

0 25 50 75 100 m

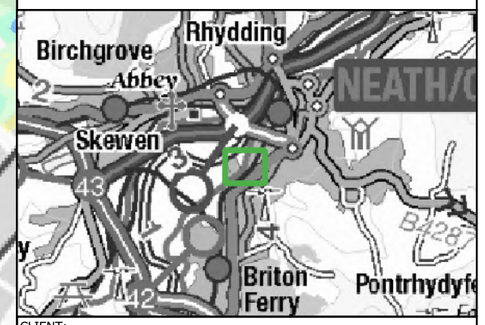
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Velocity
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 13099_Q1000CC75_MHWS_2100_DEV_ST3_V

REVISION: -

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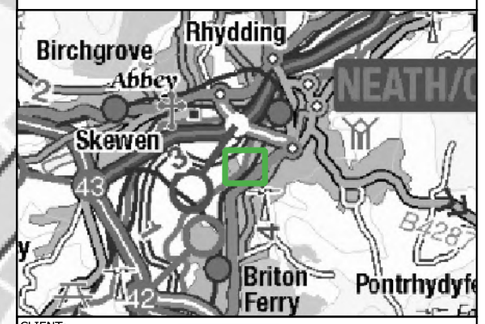
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
50% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_MHWS_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

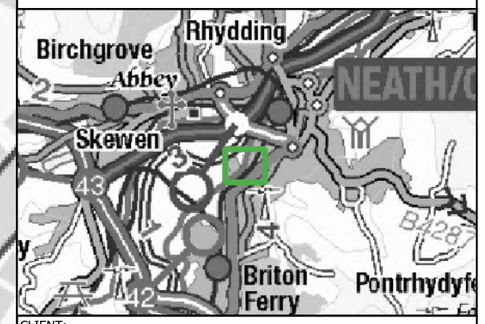
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
50% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME:	REVISION:
13099_Q2_MHWS_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

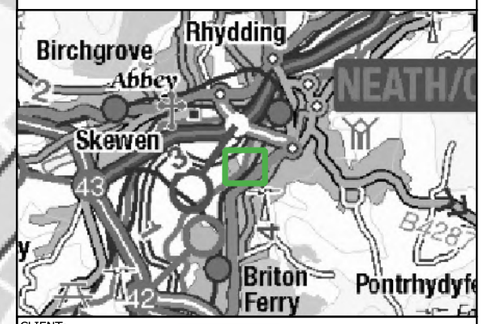
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

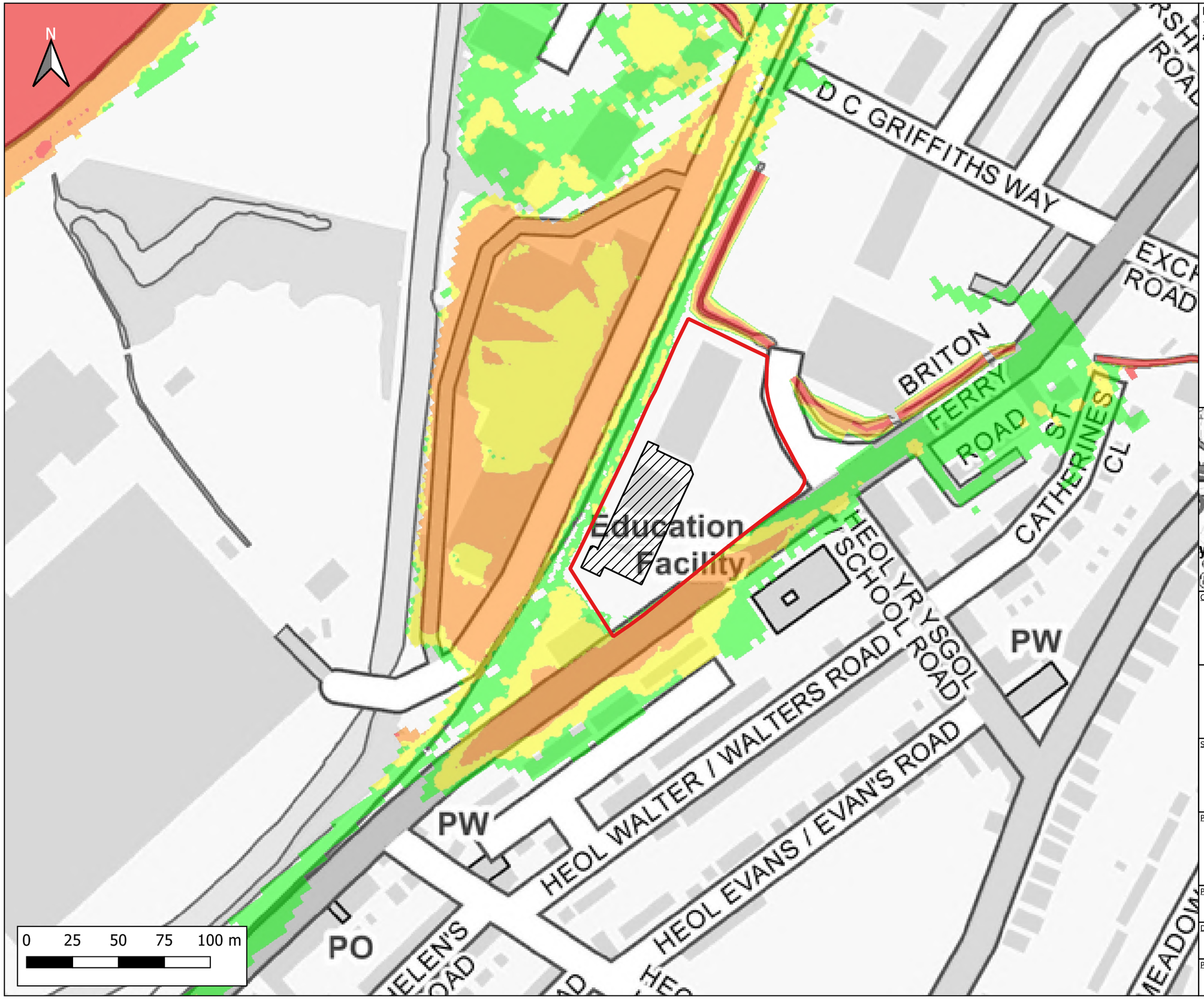
Maximum Flood Hazard Rating
50%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_MHWS_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



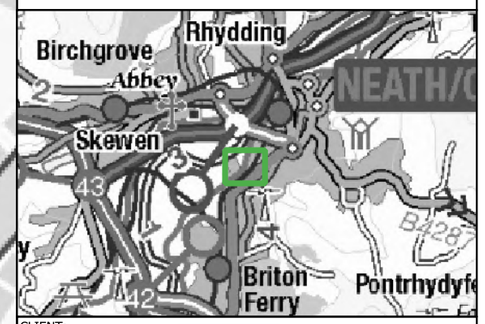
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

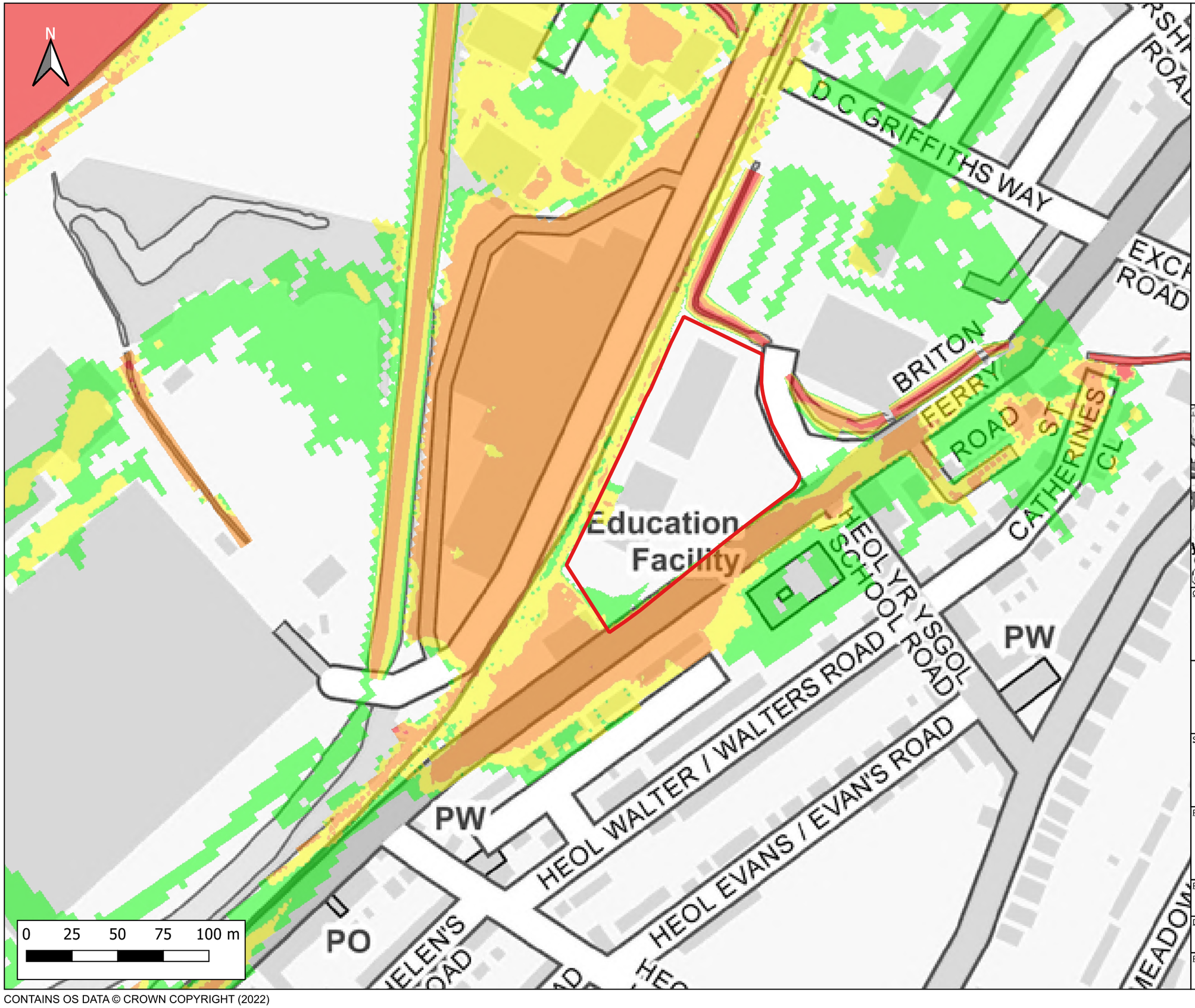
Maximum Flood Hazard Rating
50%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_MHWS_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



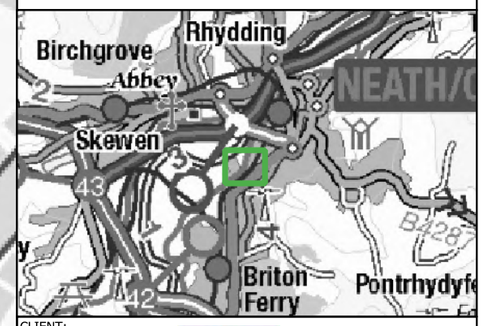
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

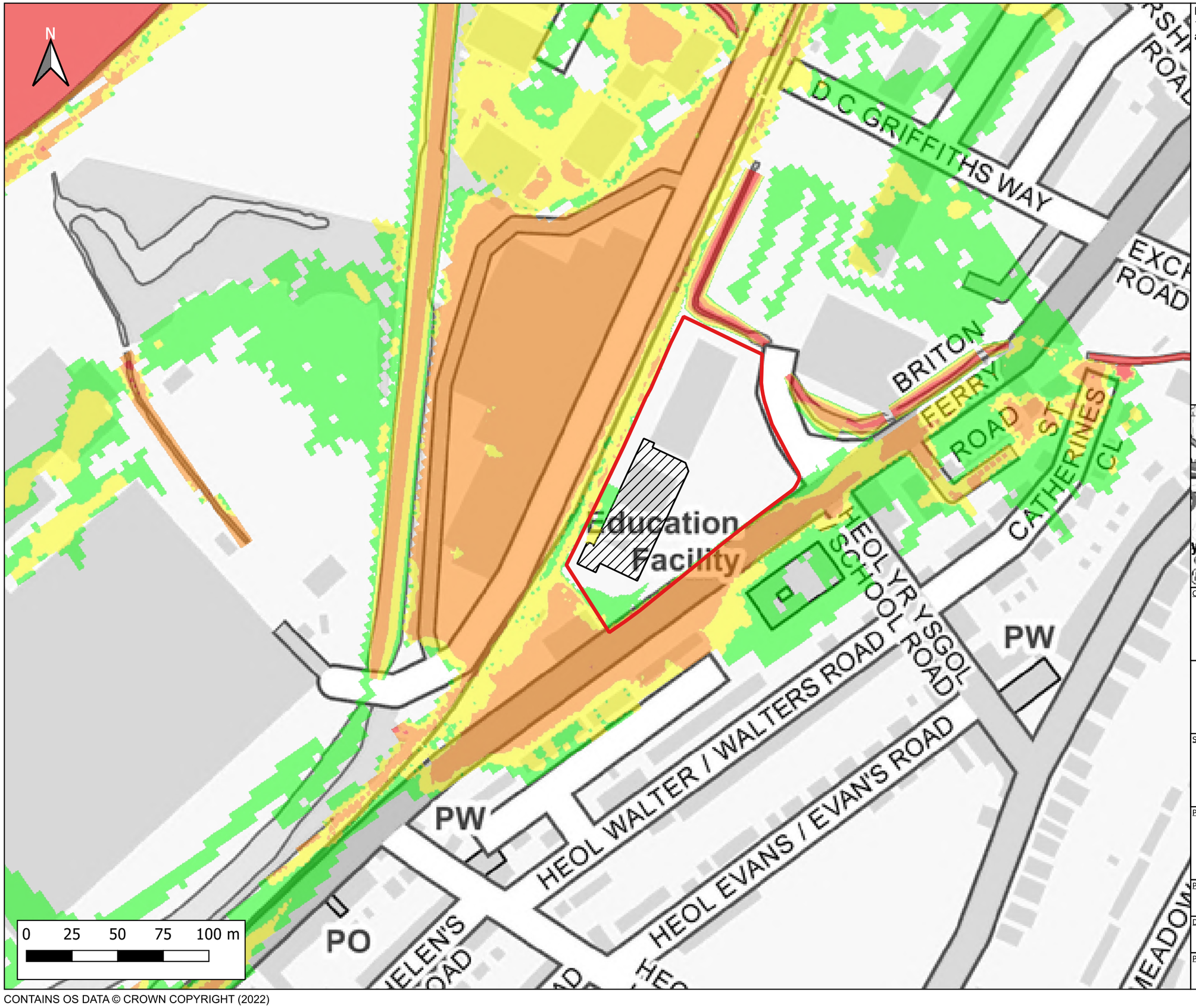
PLOT TITLE:

Maximum Flood Hazard Rating
2% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50_MHWS_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



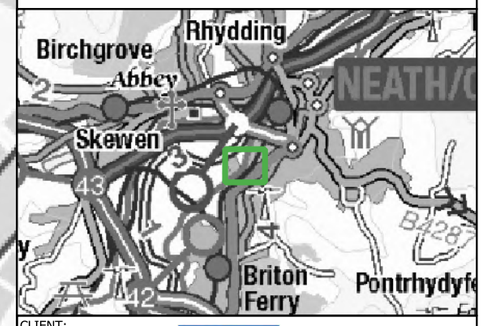
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

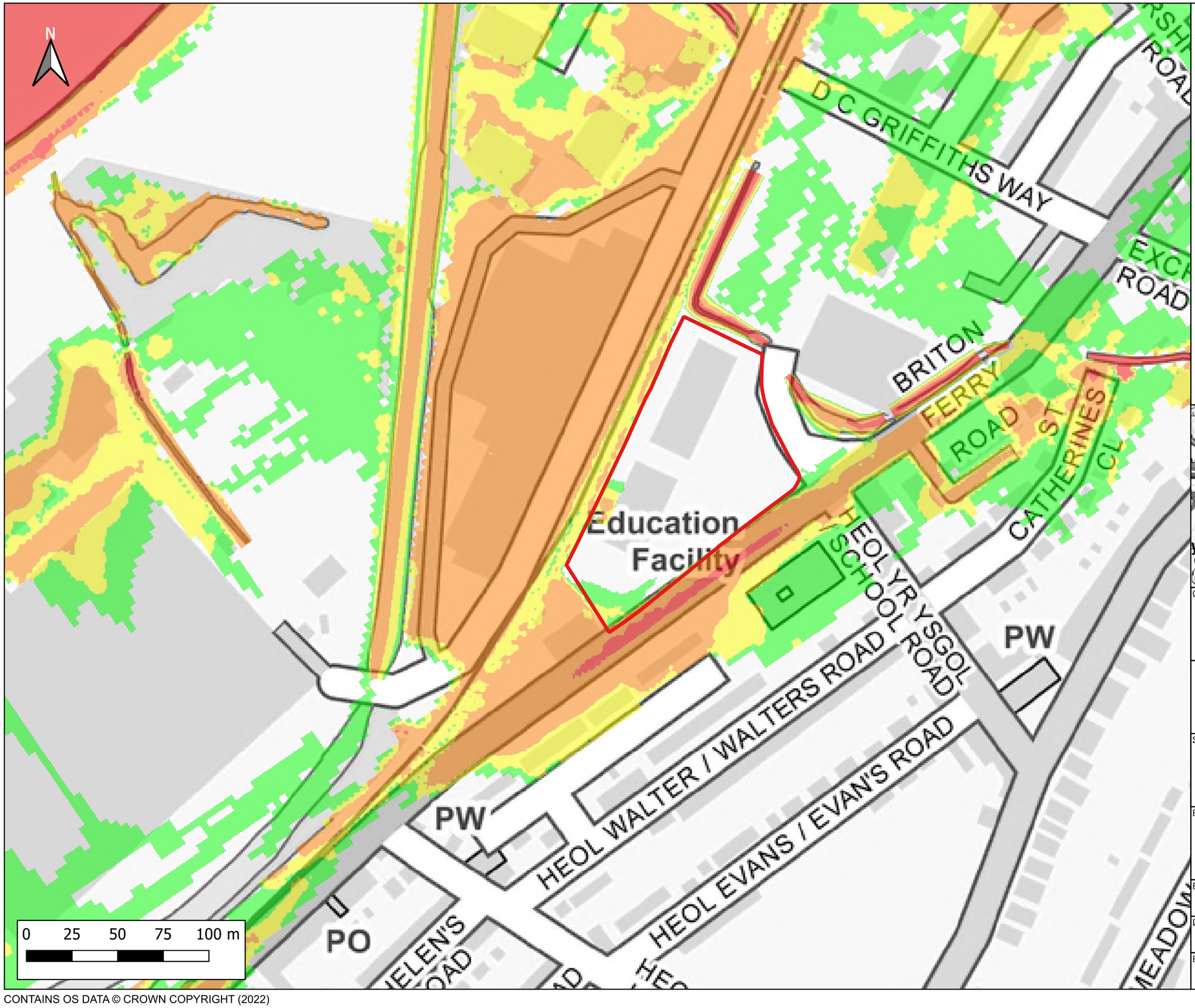
Maximum Flood Hazard Rating
2% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50_MHWS_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



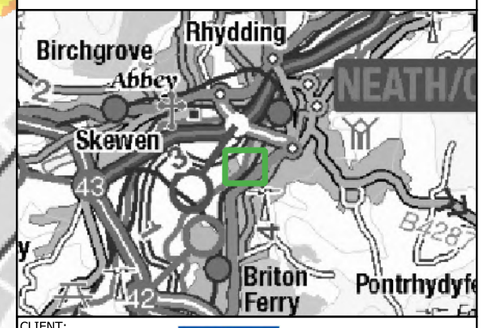
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

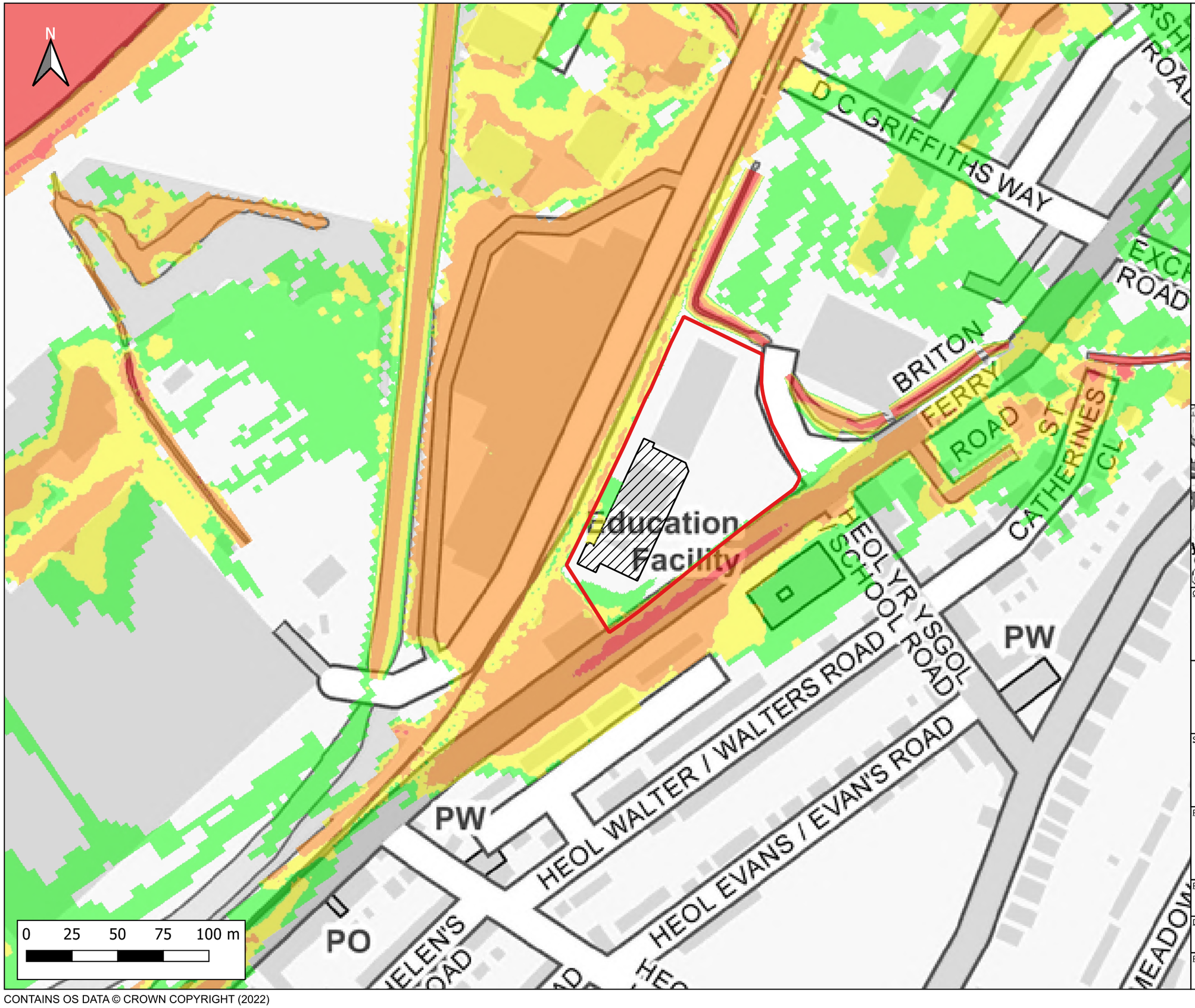
Maximum Flood Hazard Rating
2%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

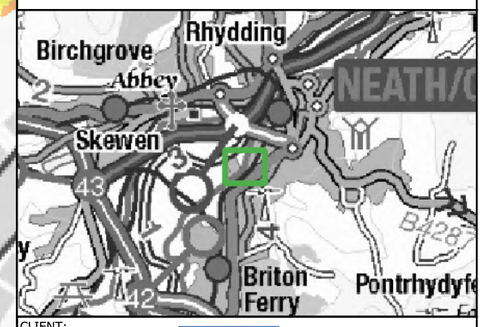
PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50CC30_MHWS_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)





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:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
2%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q50CC30_MHWS_DEV_NC_ZUK2	-

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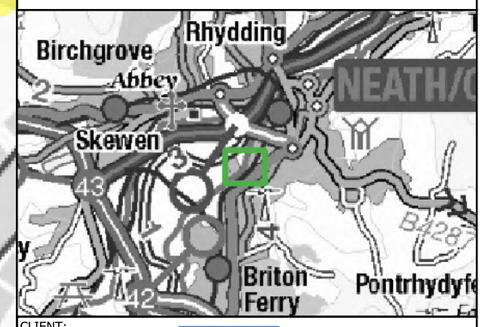
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_NC_ZUK2	-

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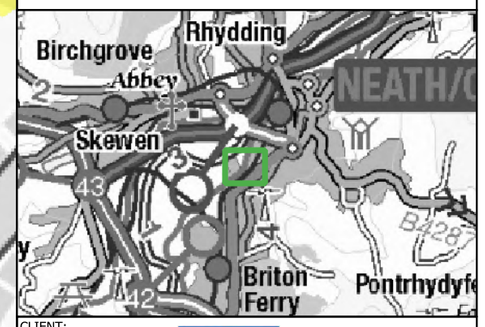
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

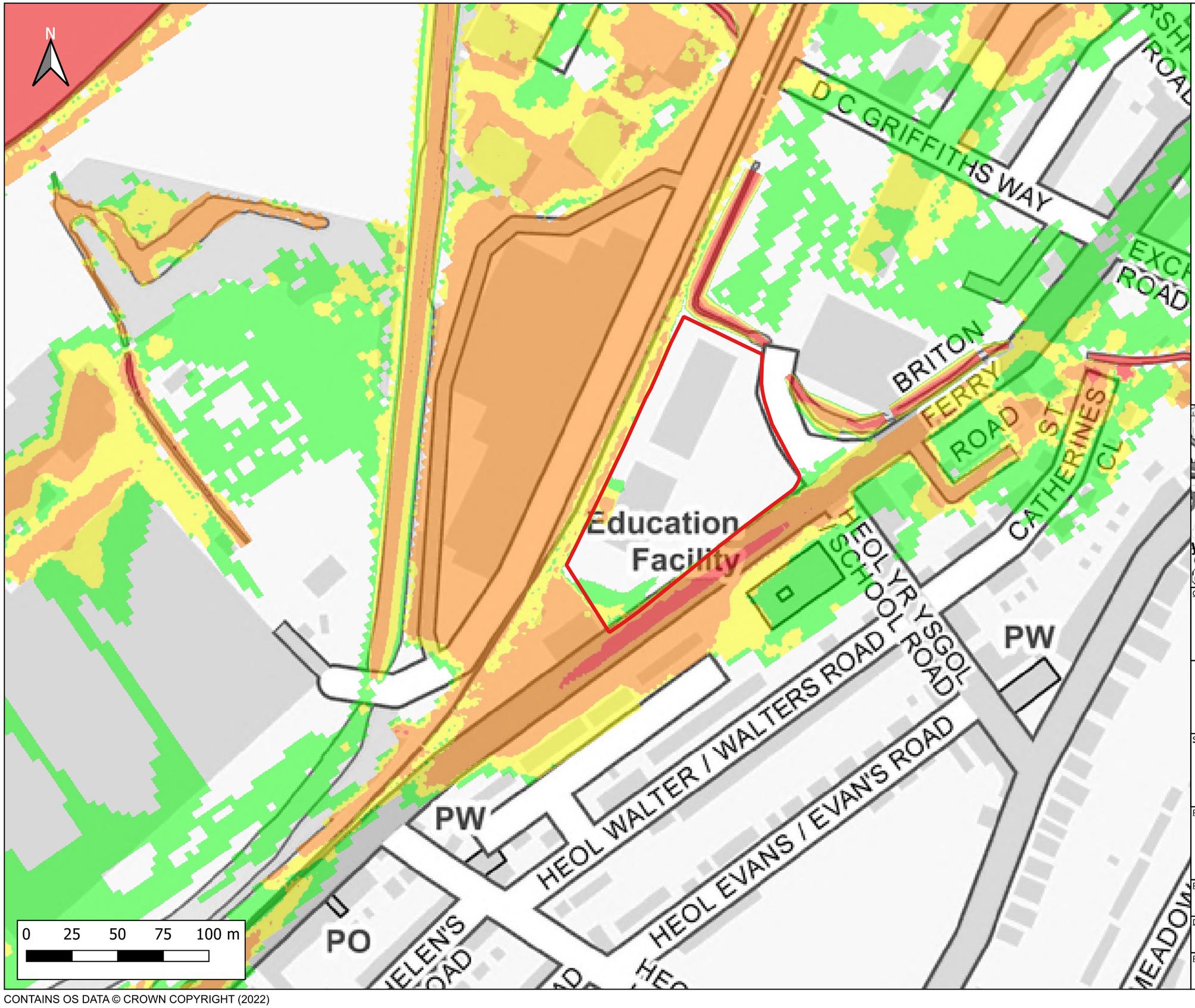
Maximum Flood Hazard Rating
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



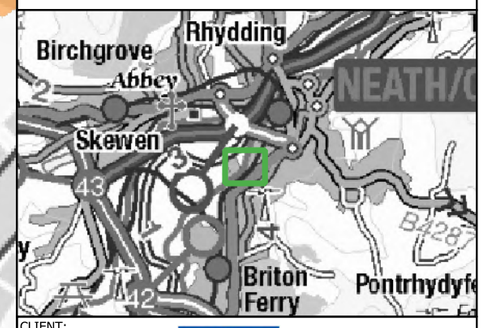
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

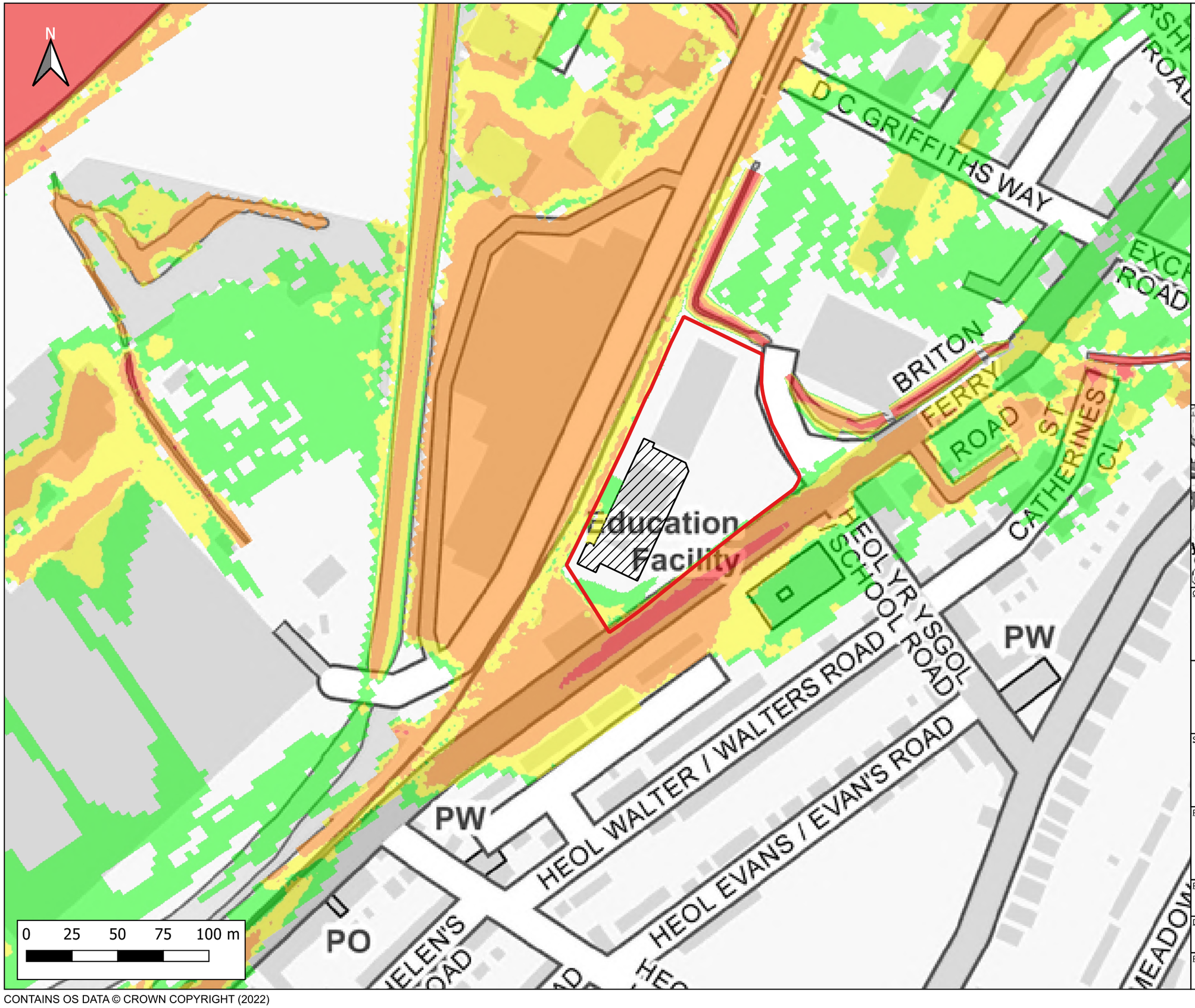
Maximum Flood Hazard Rating
1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_EXG_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



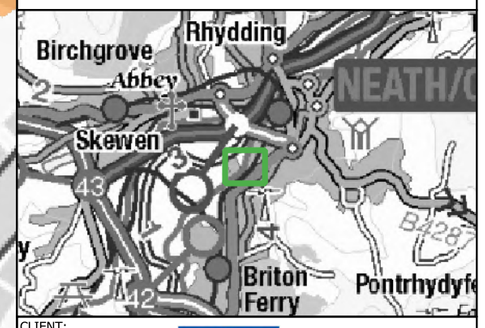
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

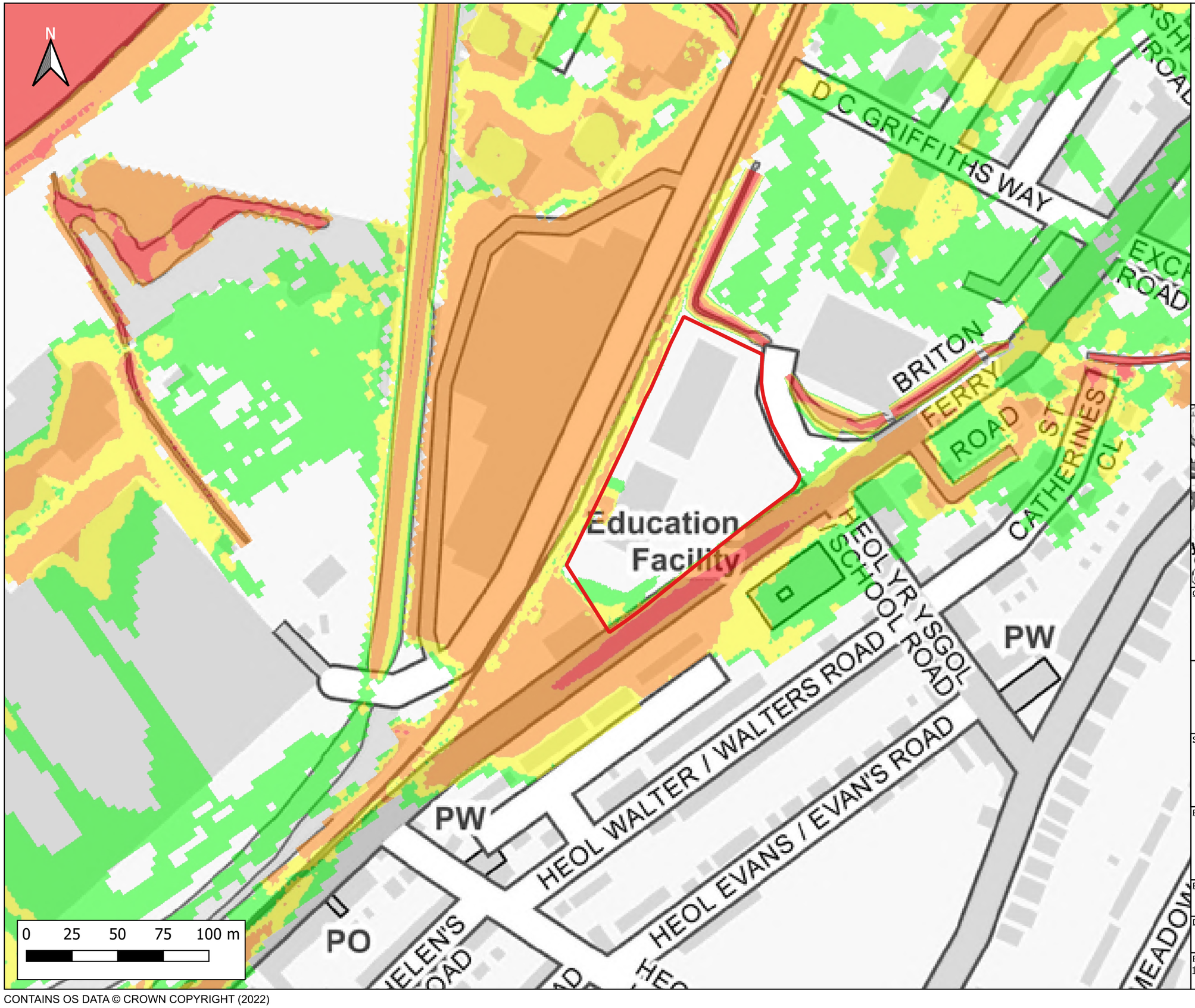
Maximum Flood Hazard Rating
1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100_MHWS_DEV_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



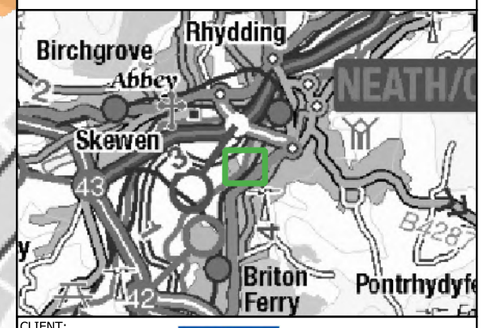
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

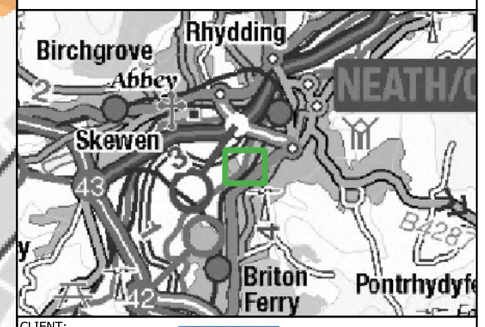
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

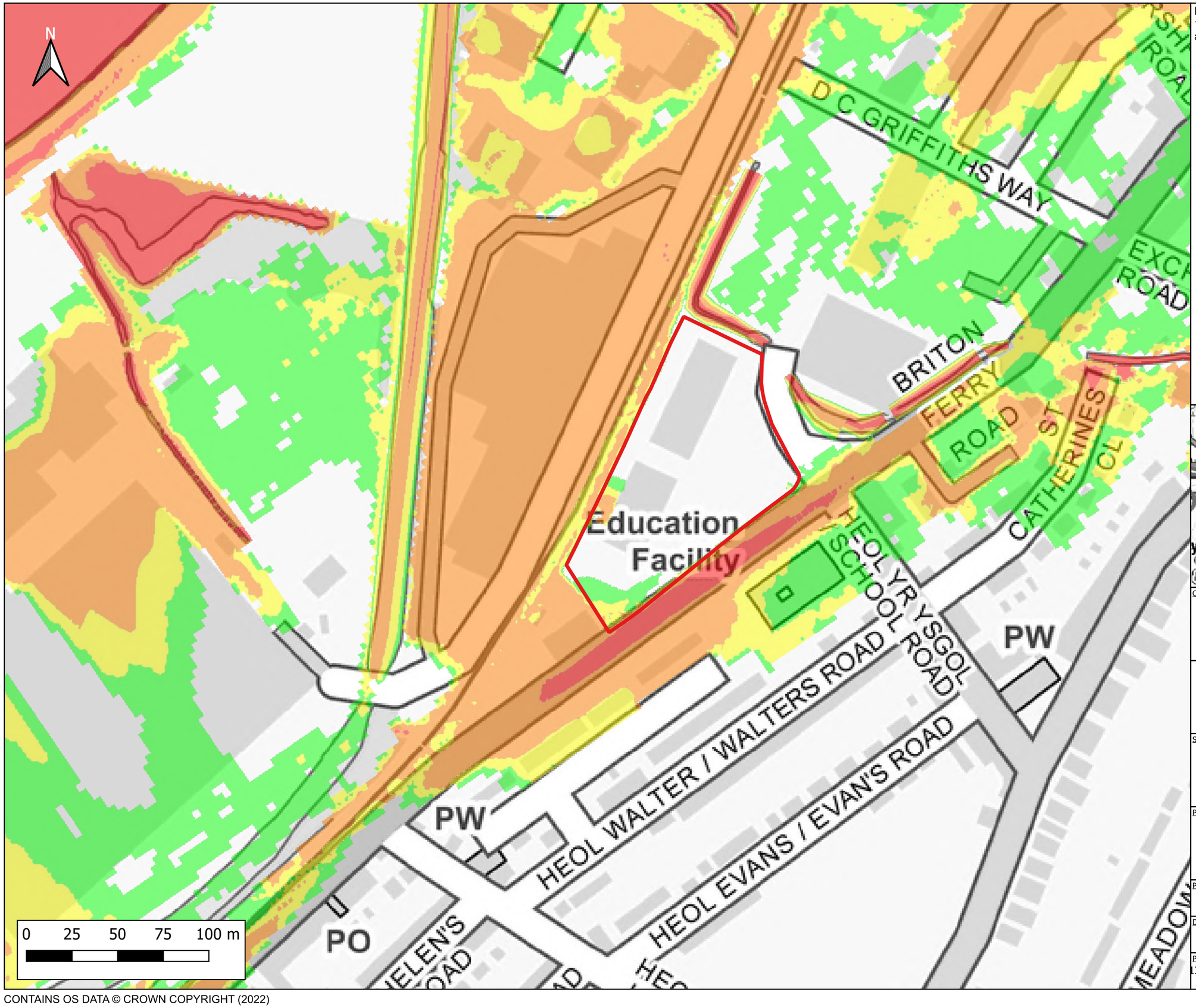
Maximum Flood Hazard Rating
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_DEV_NC_ZUK2	-

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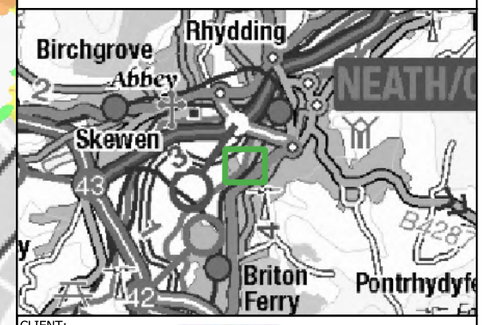
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_EXG_ST3_ZUK2	-

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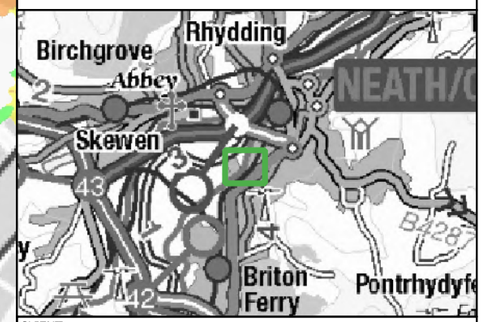
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



0 25 50 75 100 m

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CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

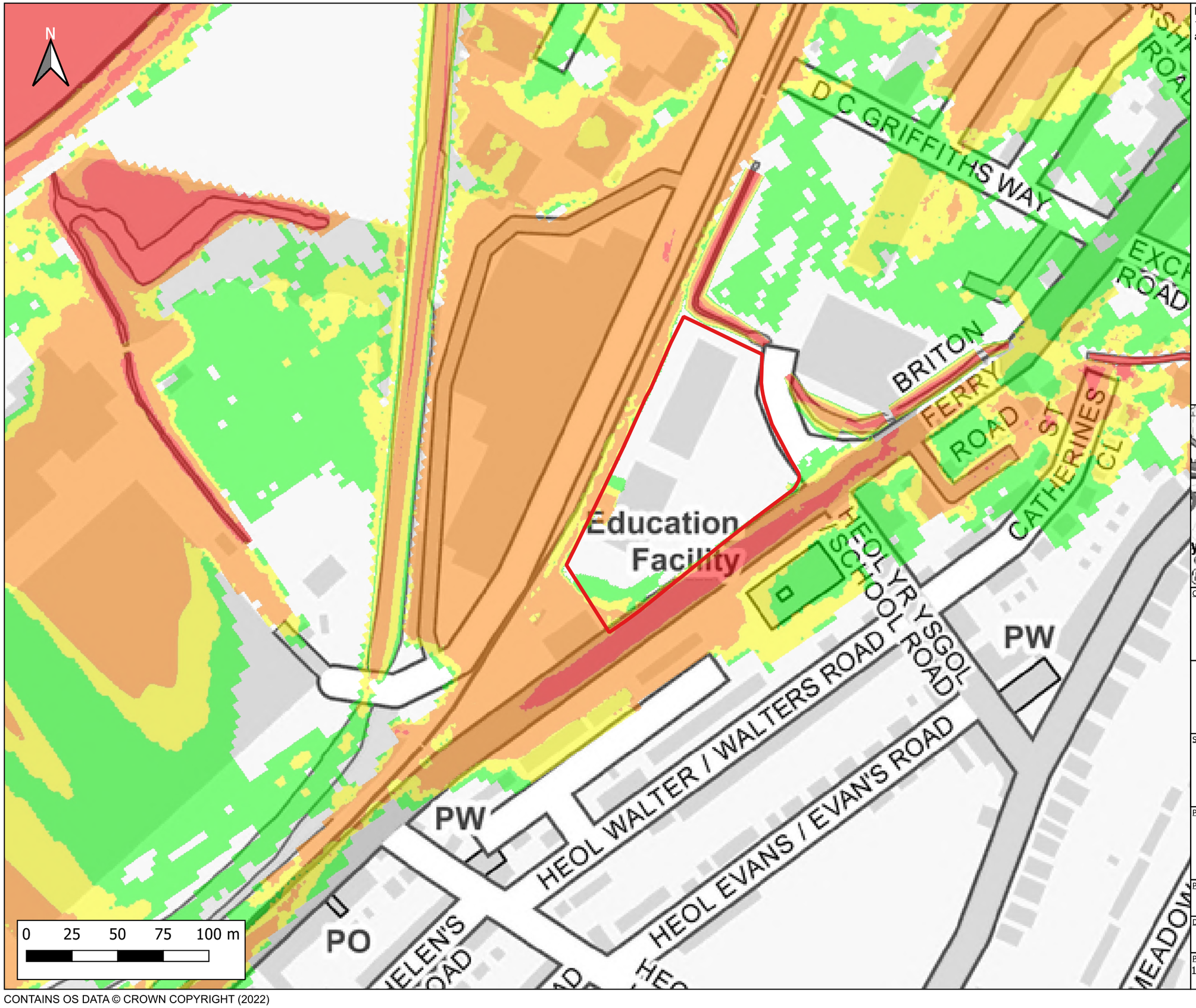
PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 13099_Q100CC30_MHWS_2100_DEV_ST3_ZUK2

REVISION: -



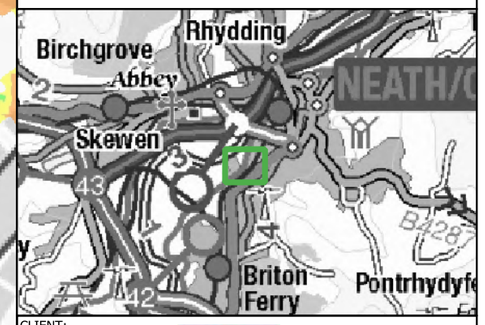
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_NC_ZUK2	-

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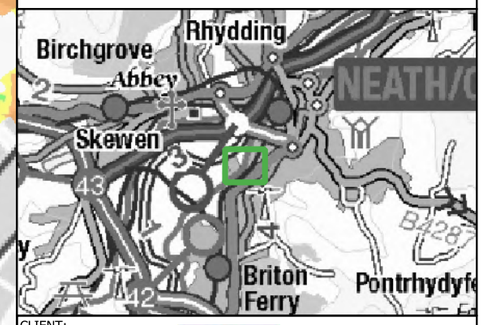
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

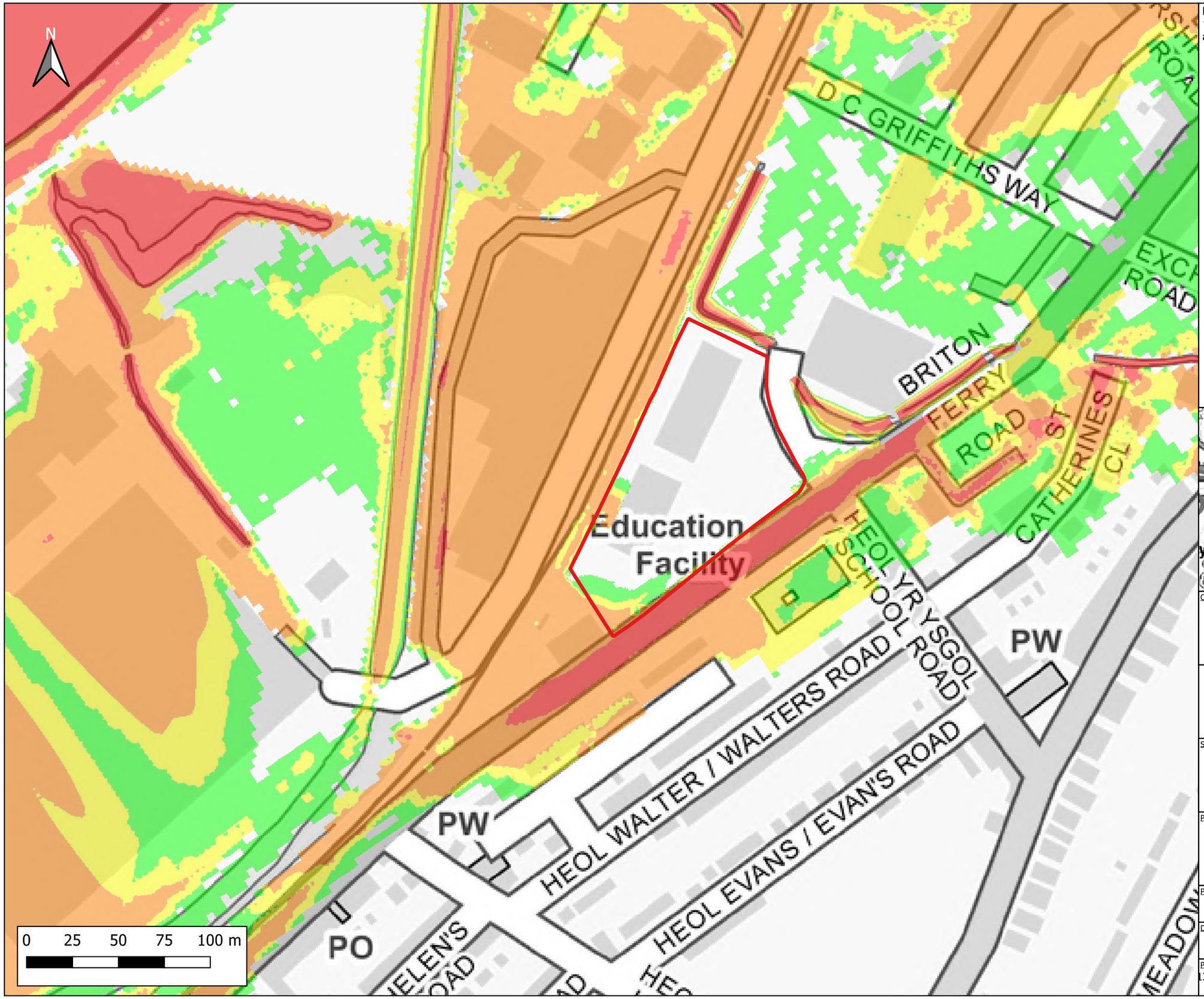
Maximum Flood Hazard Rating
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



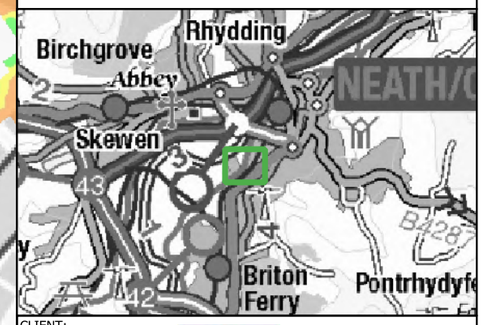
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_EXG_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

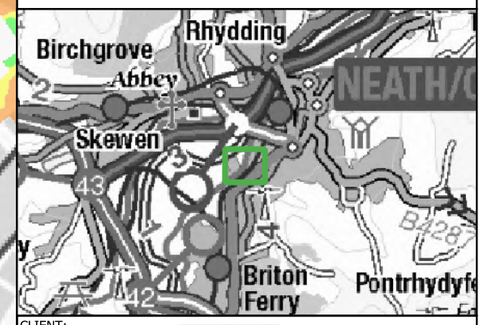
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

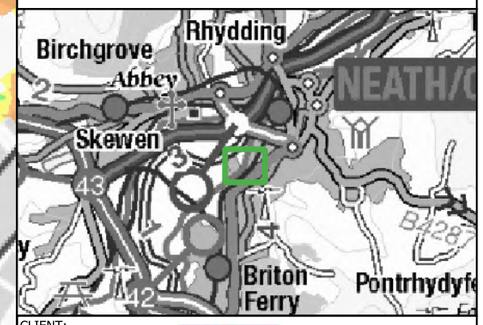
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

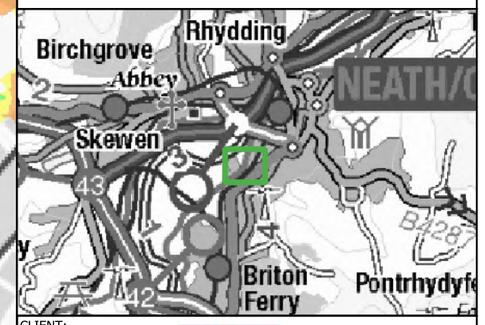
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

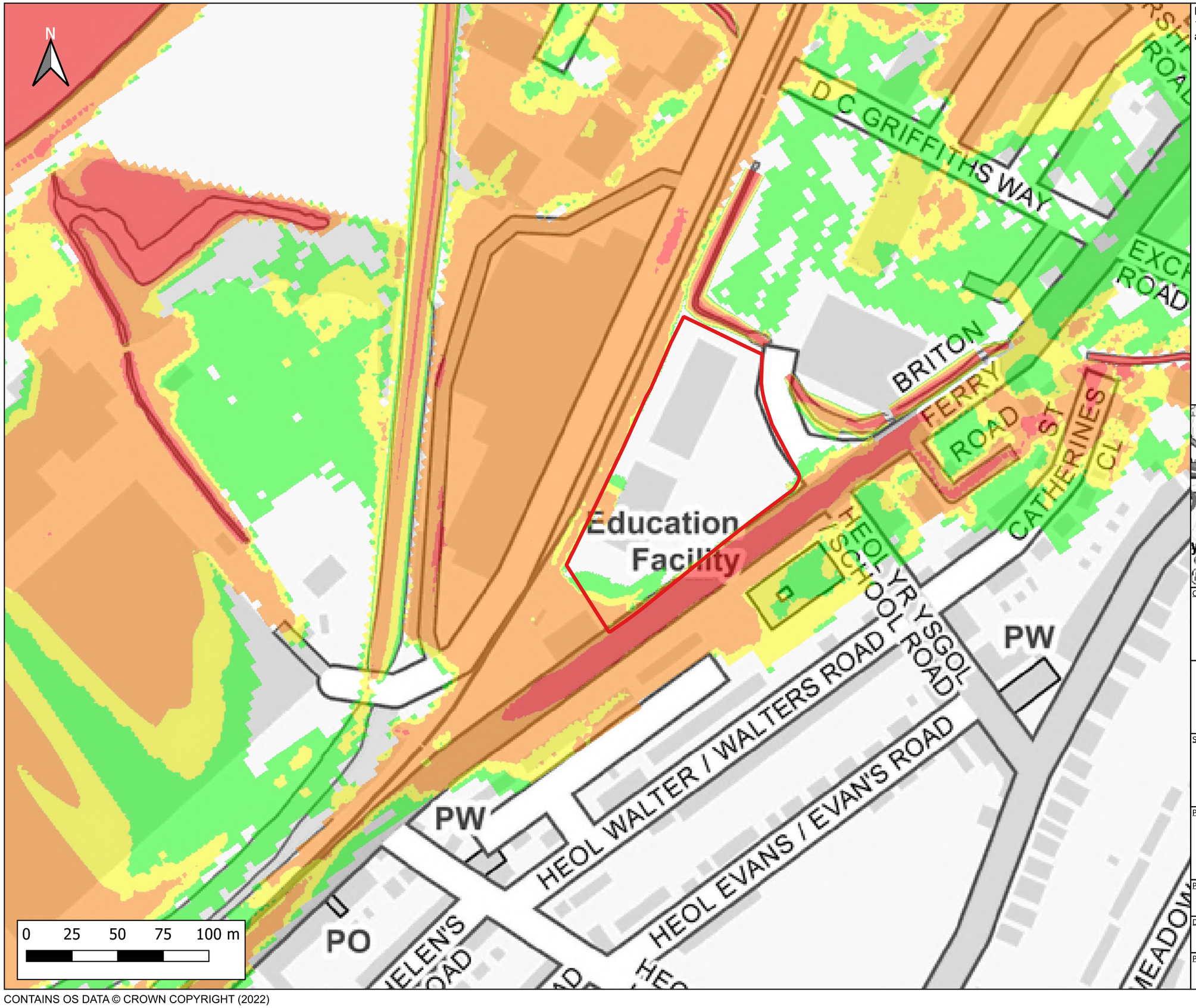
Maximum Flood Hazard Rating
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



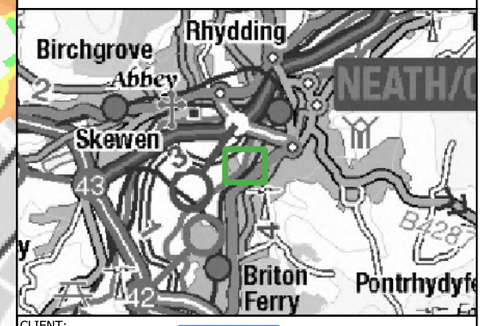
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
0.1% AEP Plus MHWS 2022
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_EXG_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

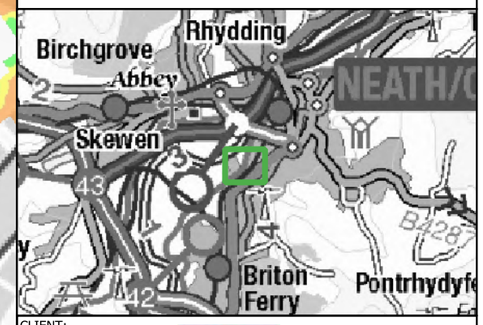
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

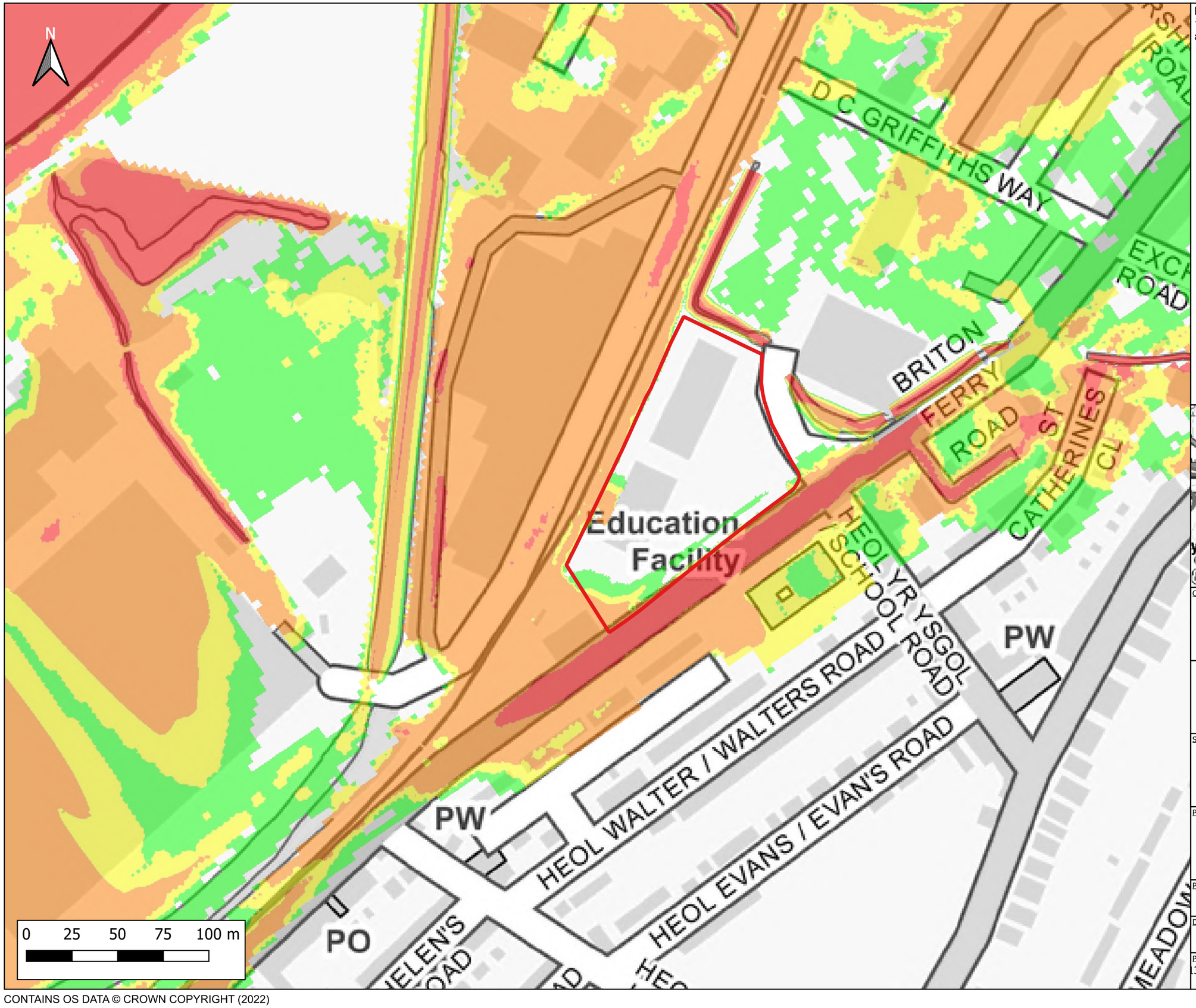
Maximum Flood Hazard Rating
0.1% AEP Plus MHWS 2022
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q1000_MHWS_DEV_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



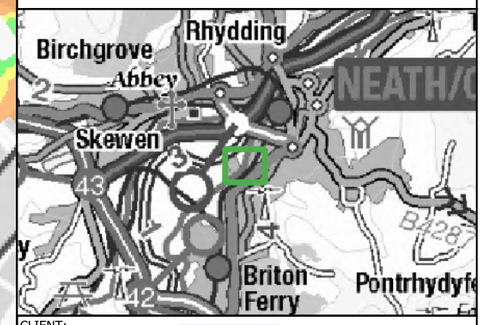
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

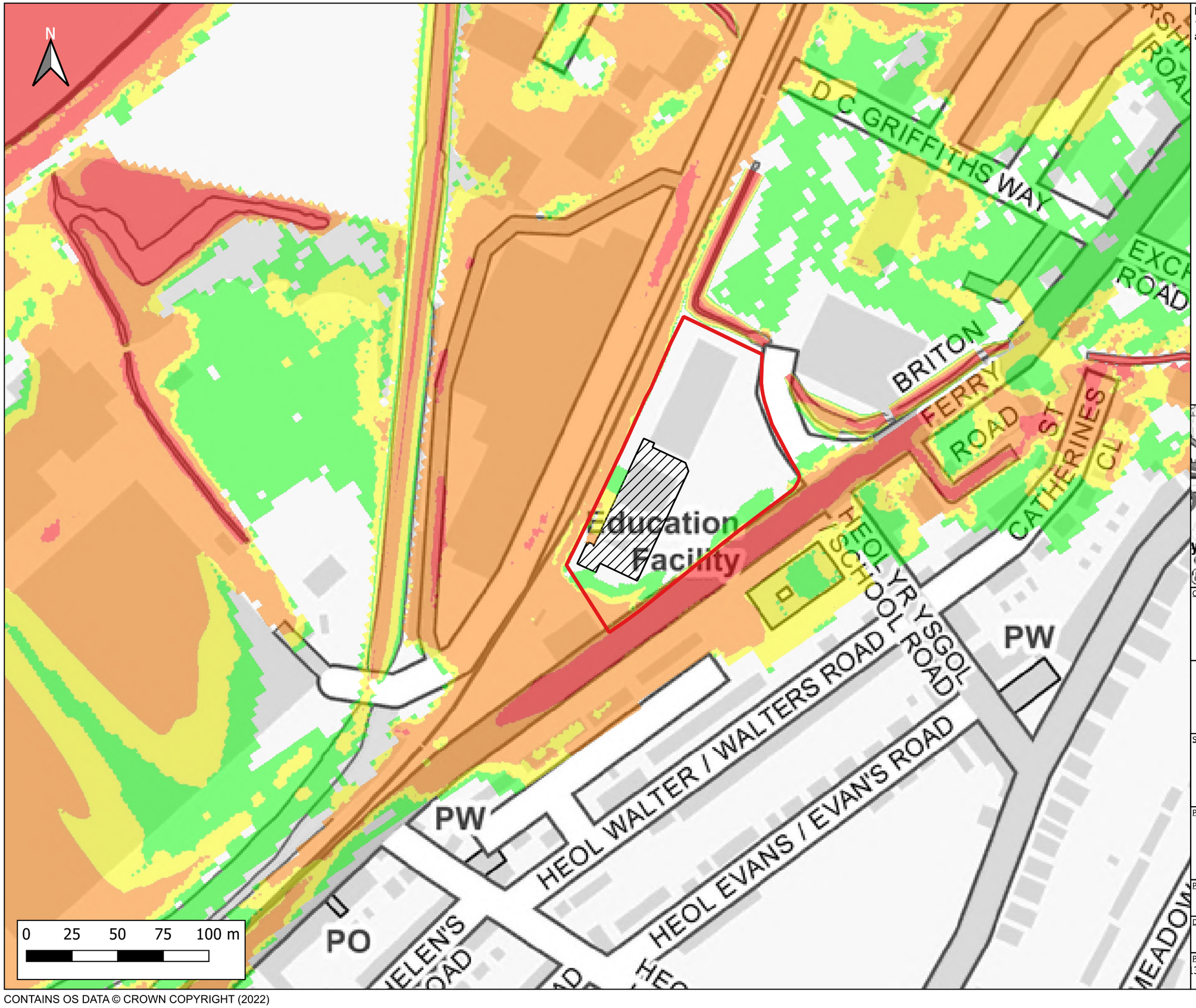
Maximum Flood Hazard Rating
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC30_MHWS_2100_EXG_NC_ZUK2	-

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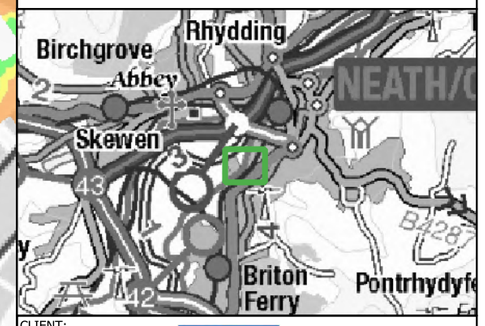
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

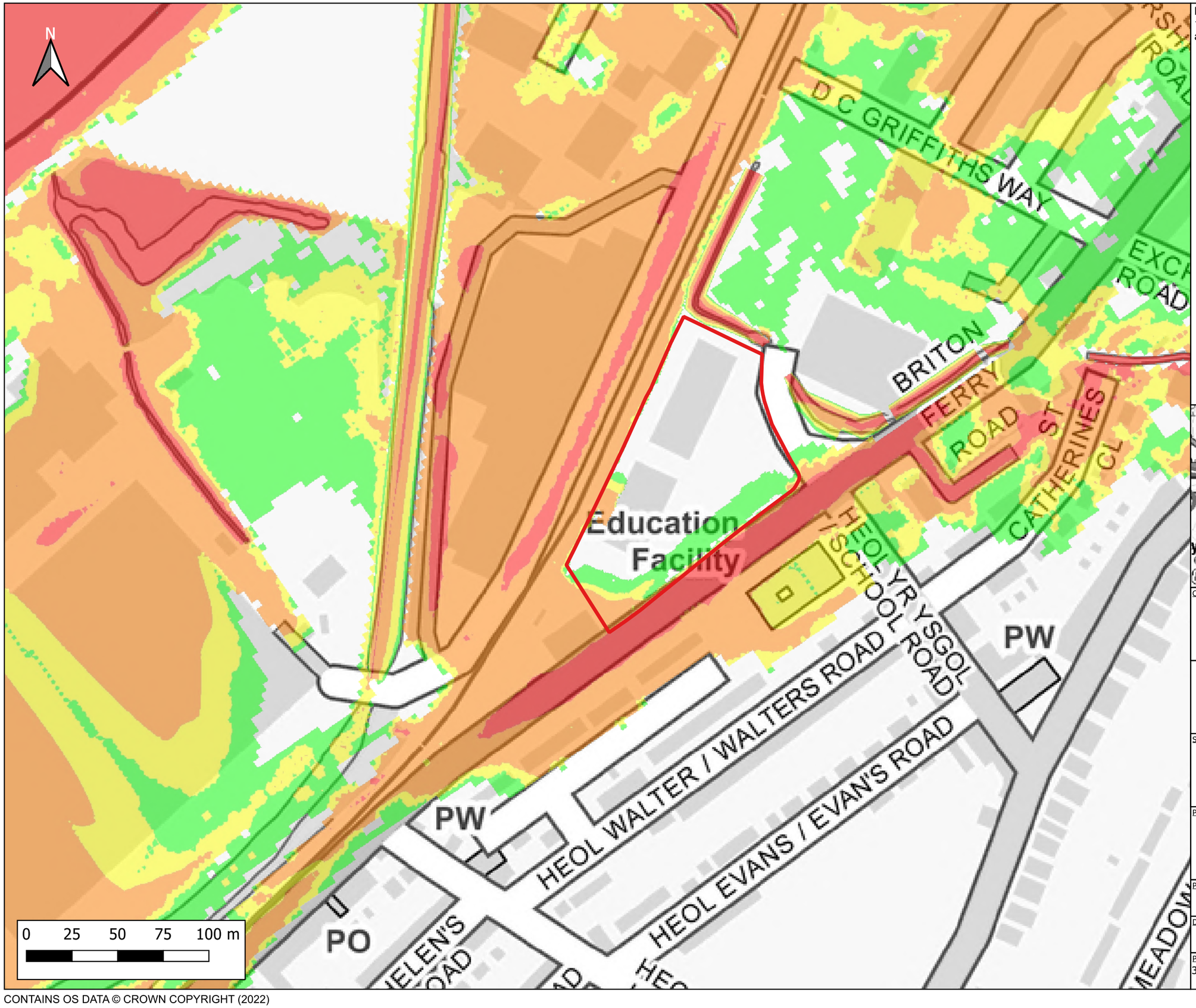
Maximum Flood Hazard Rating
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC30_MHWS_2100_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



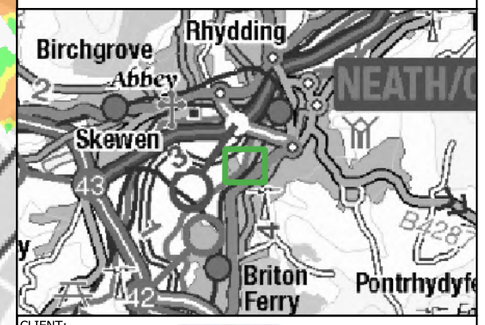
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

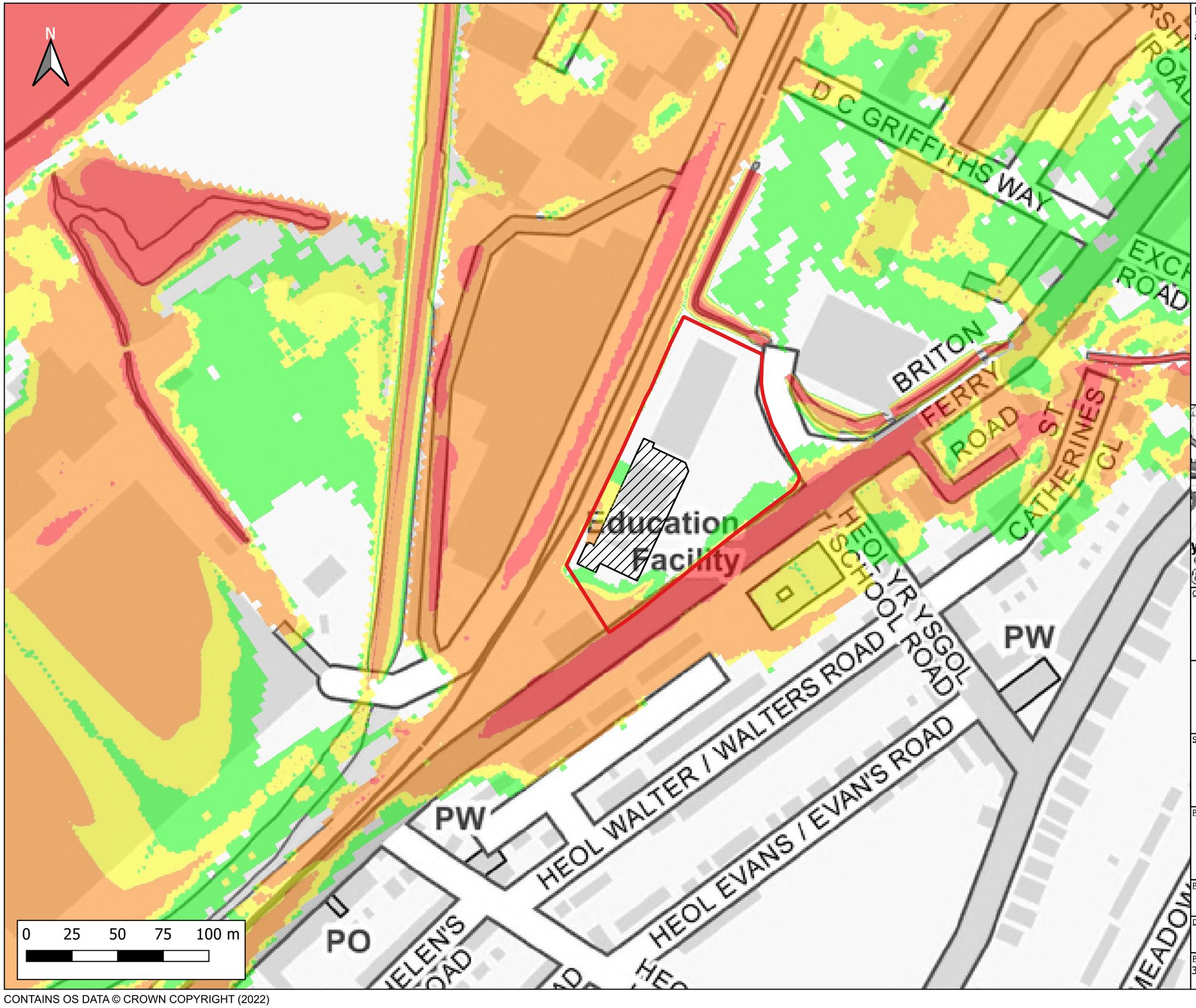
Maximum Flood Hazard Rating
0.1%+CC30 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC30_MHWS_2100_EXG_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



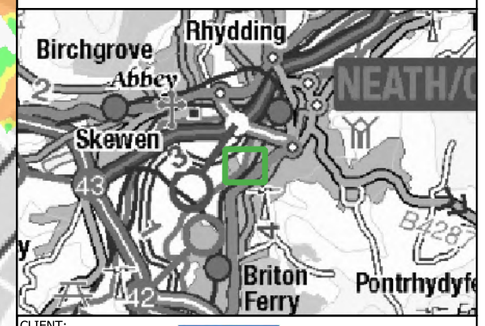
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

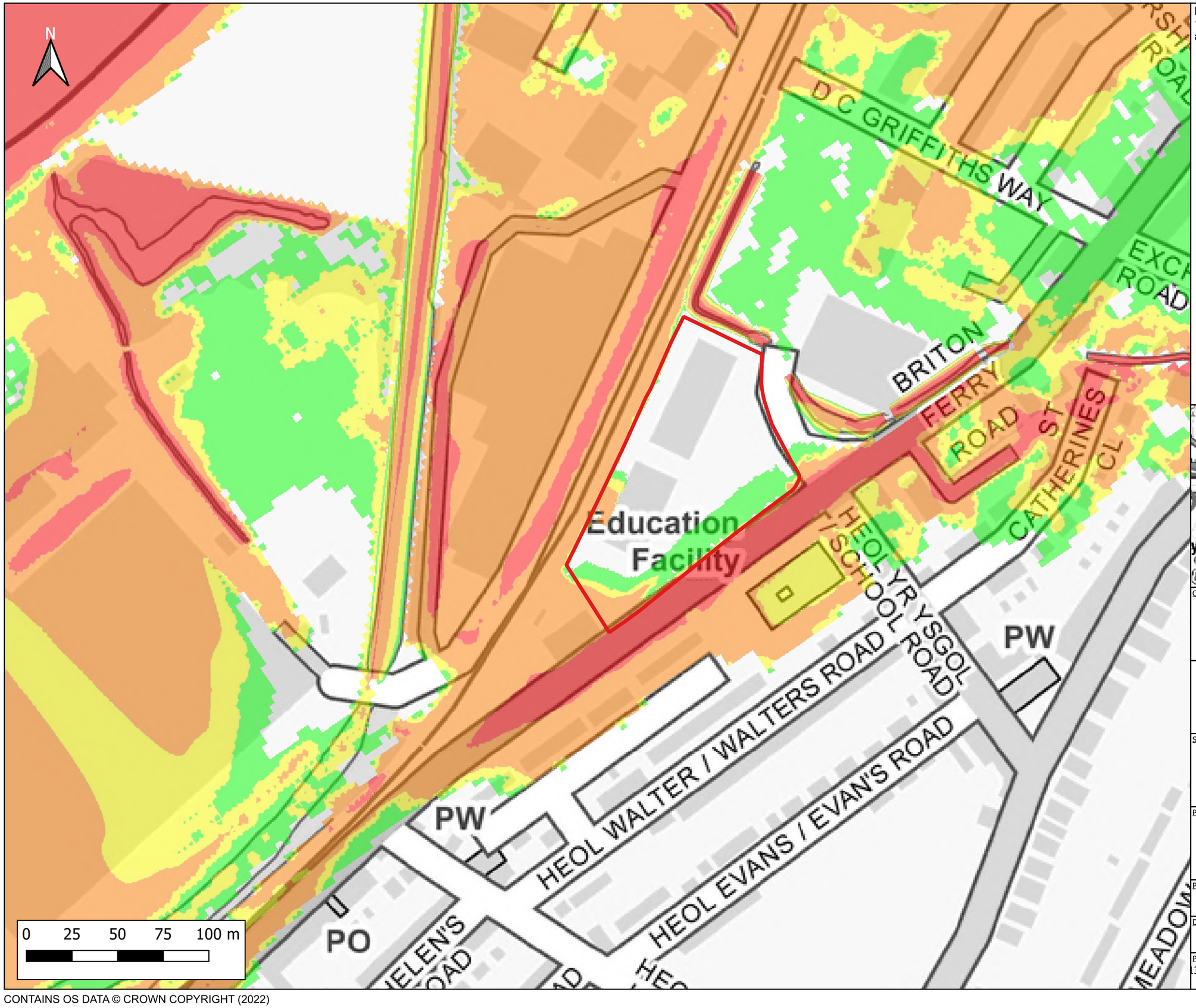
Maximum Flood Hazard Rating
0.1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC30_MHWS_2100_DEV_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



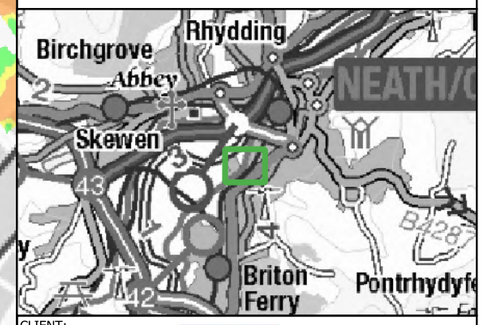
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

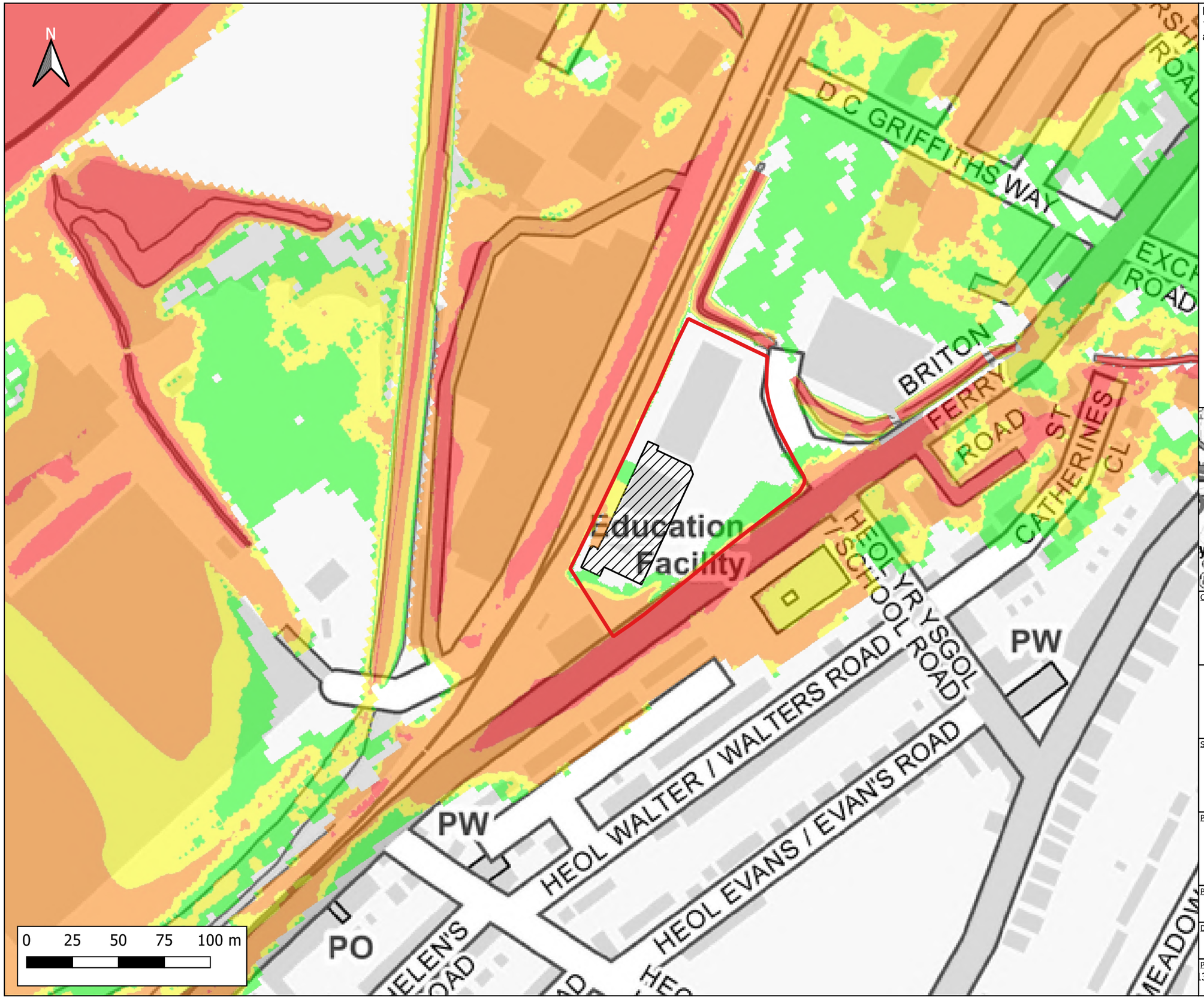
Maximum Flood Hazard Rating
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC75_MHWS_2100_EXG_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



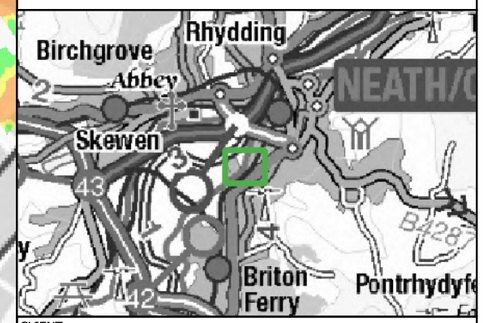
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC75_MHWS_2100_DEV_NC_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

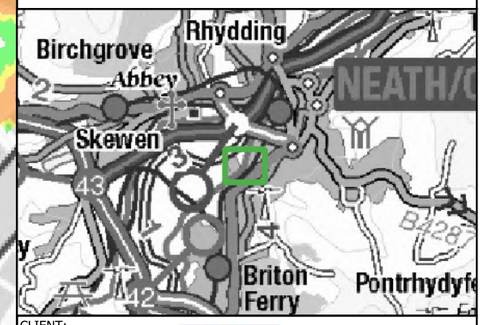
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
0.1%+CC75 AEP Plus MHWS 2100
Existing Site Layout (EXG)
ST3 - 20% increase in flows

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
3099_Q1000CC75_MHWS_2100_EXG_ST3_ZUK2	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

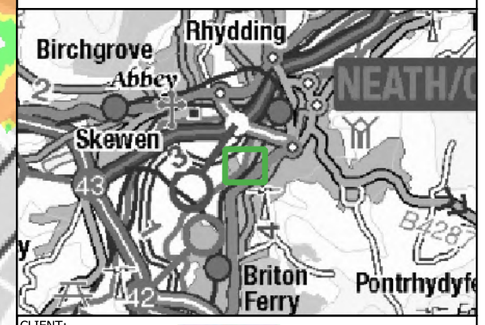
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Flood Hazard Rating
0.1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
ST3 - 20% increase in flows

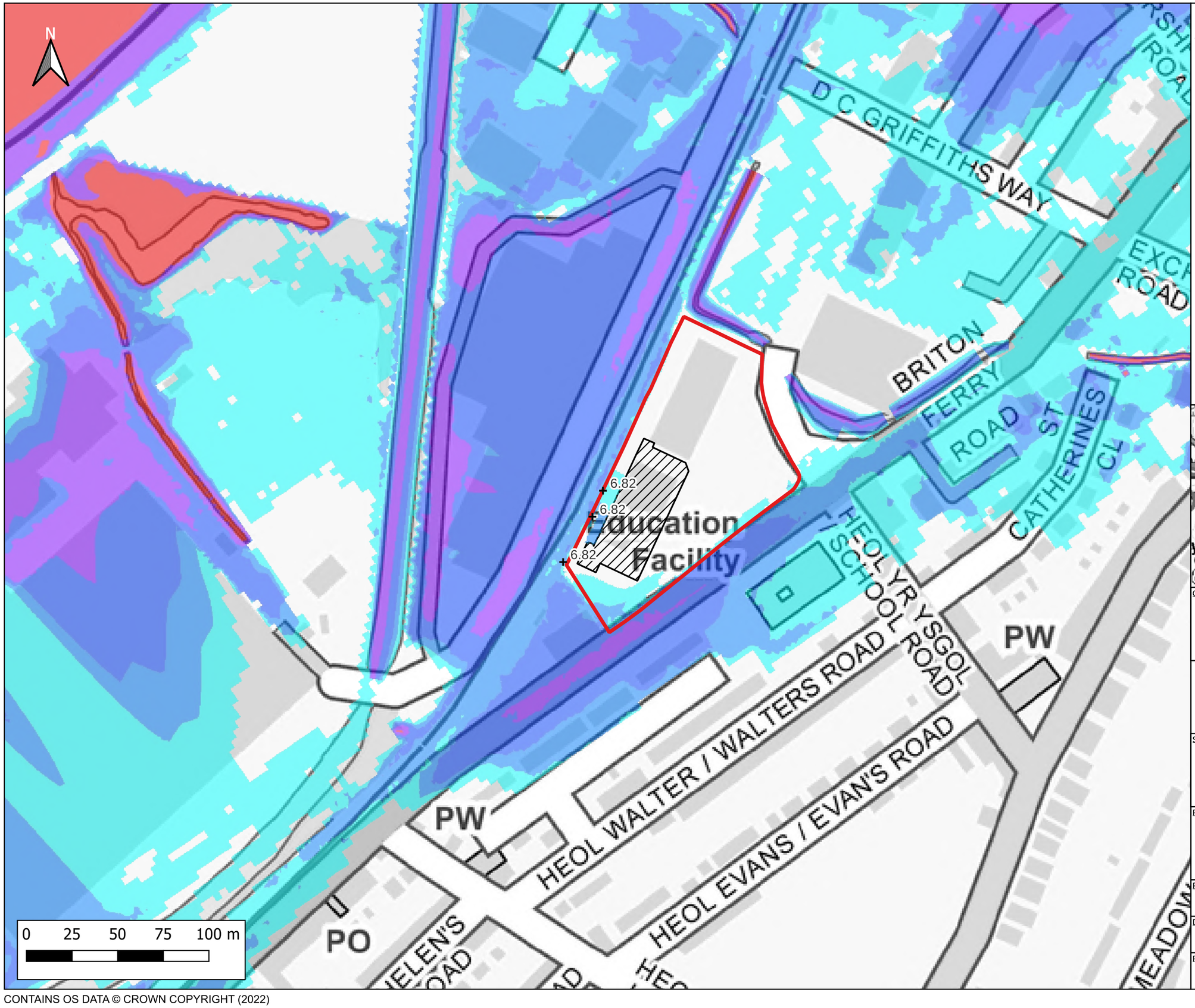
PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME: 3099_Q1000CC75_MHWS_2100_DEV_ST3_ZUK2

REVISION: -

0 25 50 75 100 m

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



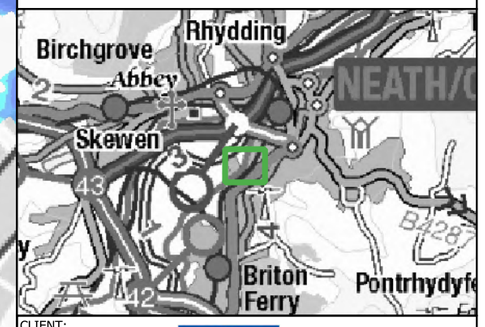
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- \+ Maximum Water Level (m AOD)

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

PLOT TITLE:
Maximum Water Level
1%+CC75 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	16-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC75_MHWS_2100_DEV_NC_h	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

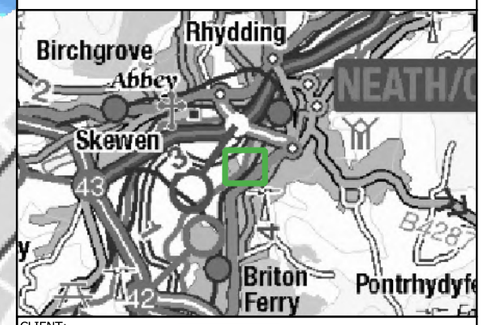
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- + Maximum Water Level (m AOD)

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Water Level
1%+CC30 AEP Plus MHWS 2100
Development Site Layout (DEV)
Normal Conditions

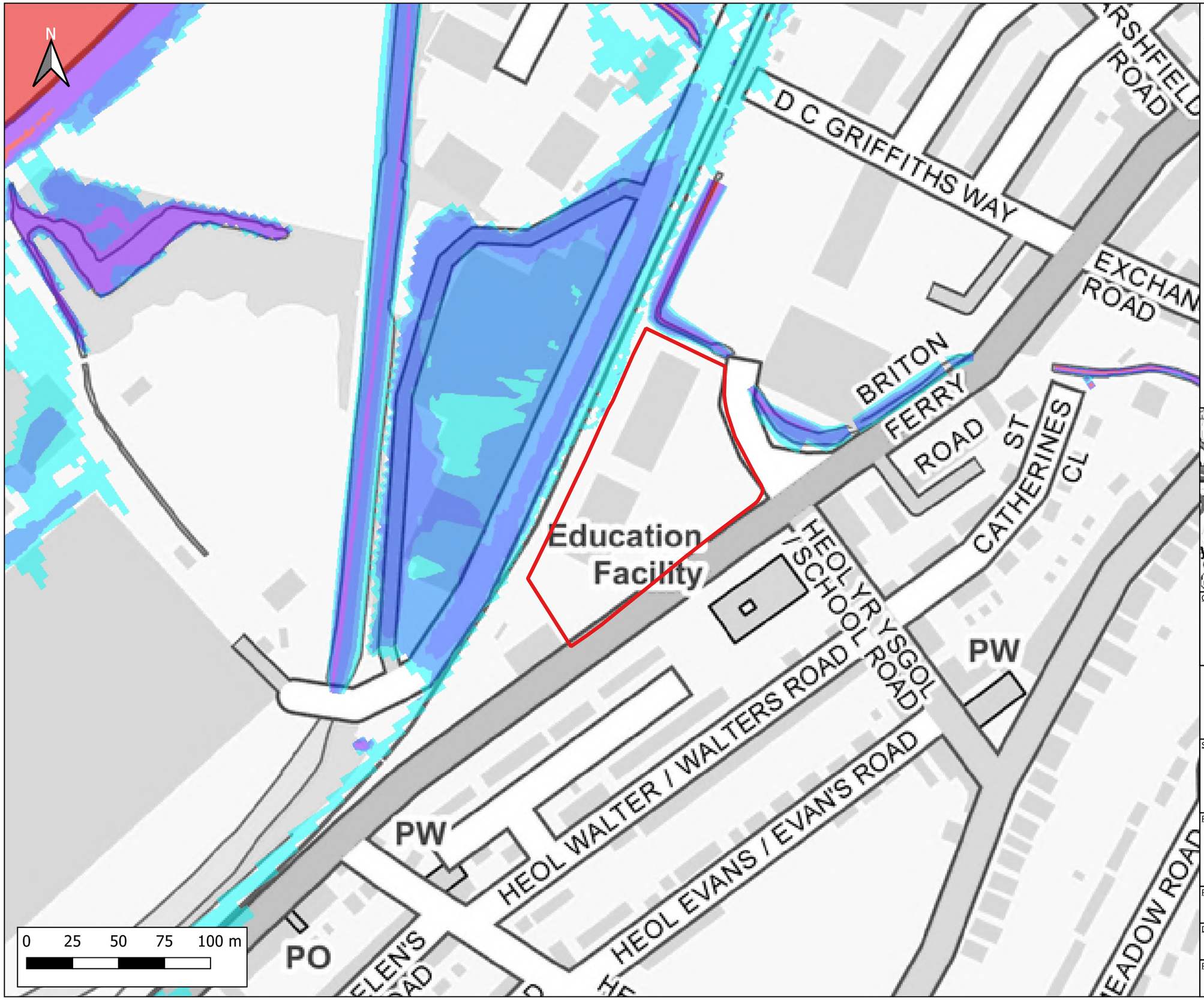
PLOT STATUS:	DATE:
FINAL	16-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q100CC30_MHWS_2100_DEV_NC_h	-

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Tidal



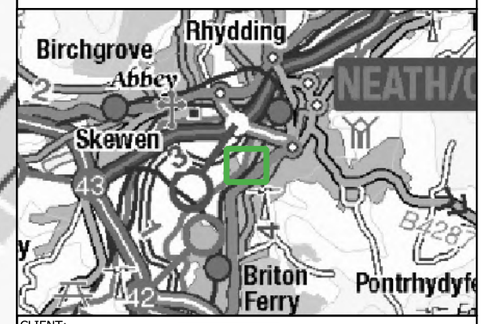
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

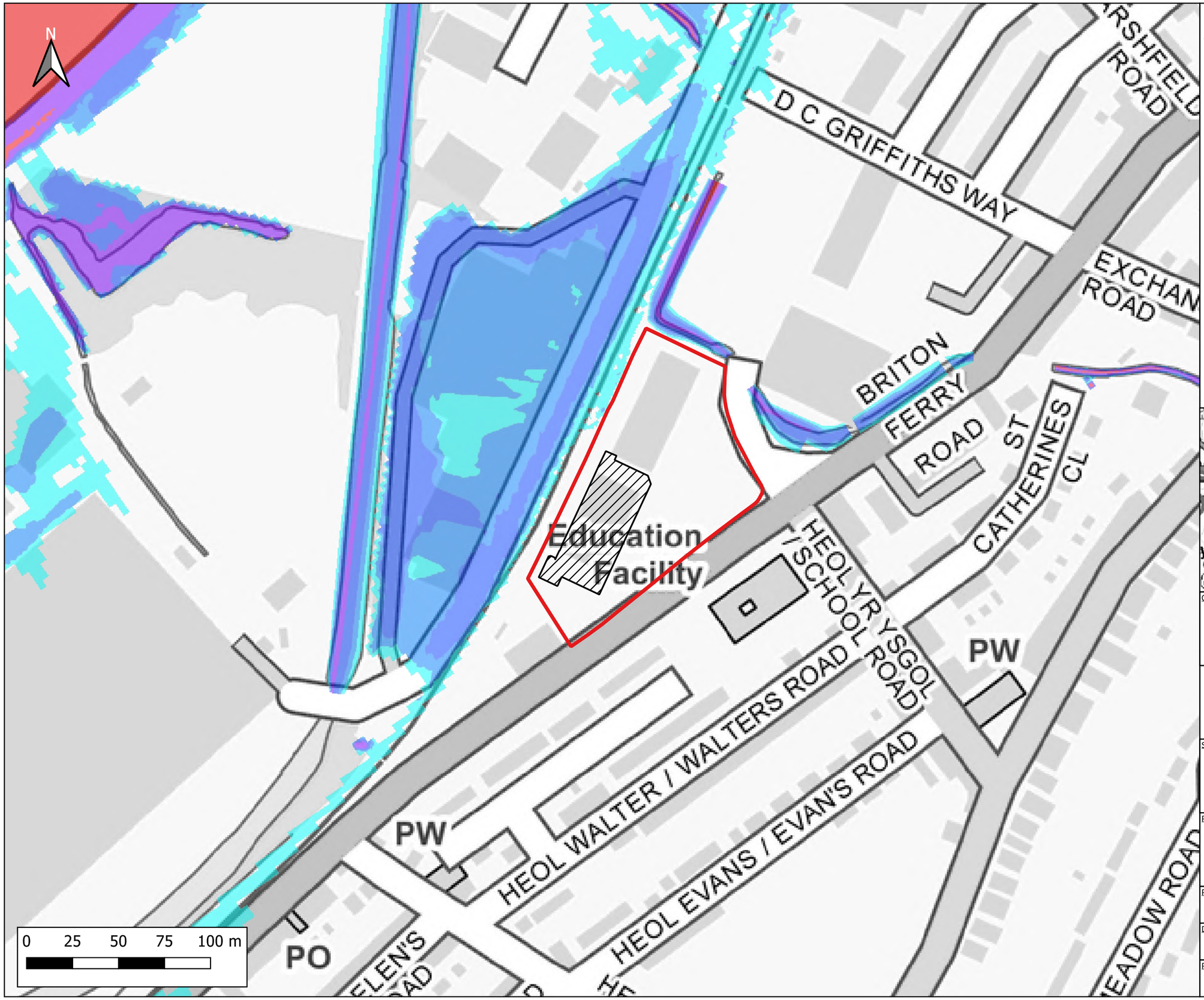
PLOT TITLE:

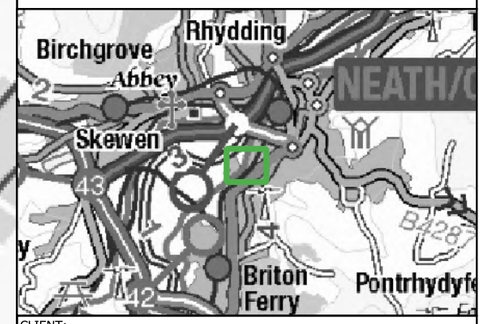
Maximum Flood Depth
50% AEP Plus 2% AEP Tidal Event 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)





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: Lidl

www.waterco.co.uk

SCHEME: Lidl, Briton Ferry Road, Neath

PLOT TITLE: Maximum Flood Depth
50% AEP Plus 2% AEP Tidal Event 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

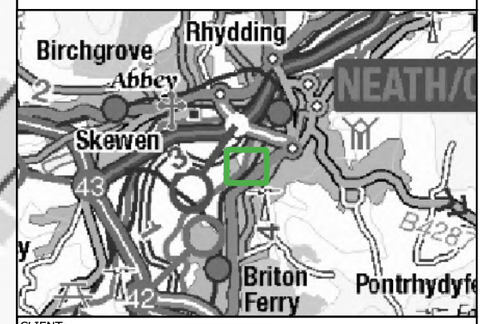
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

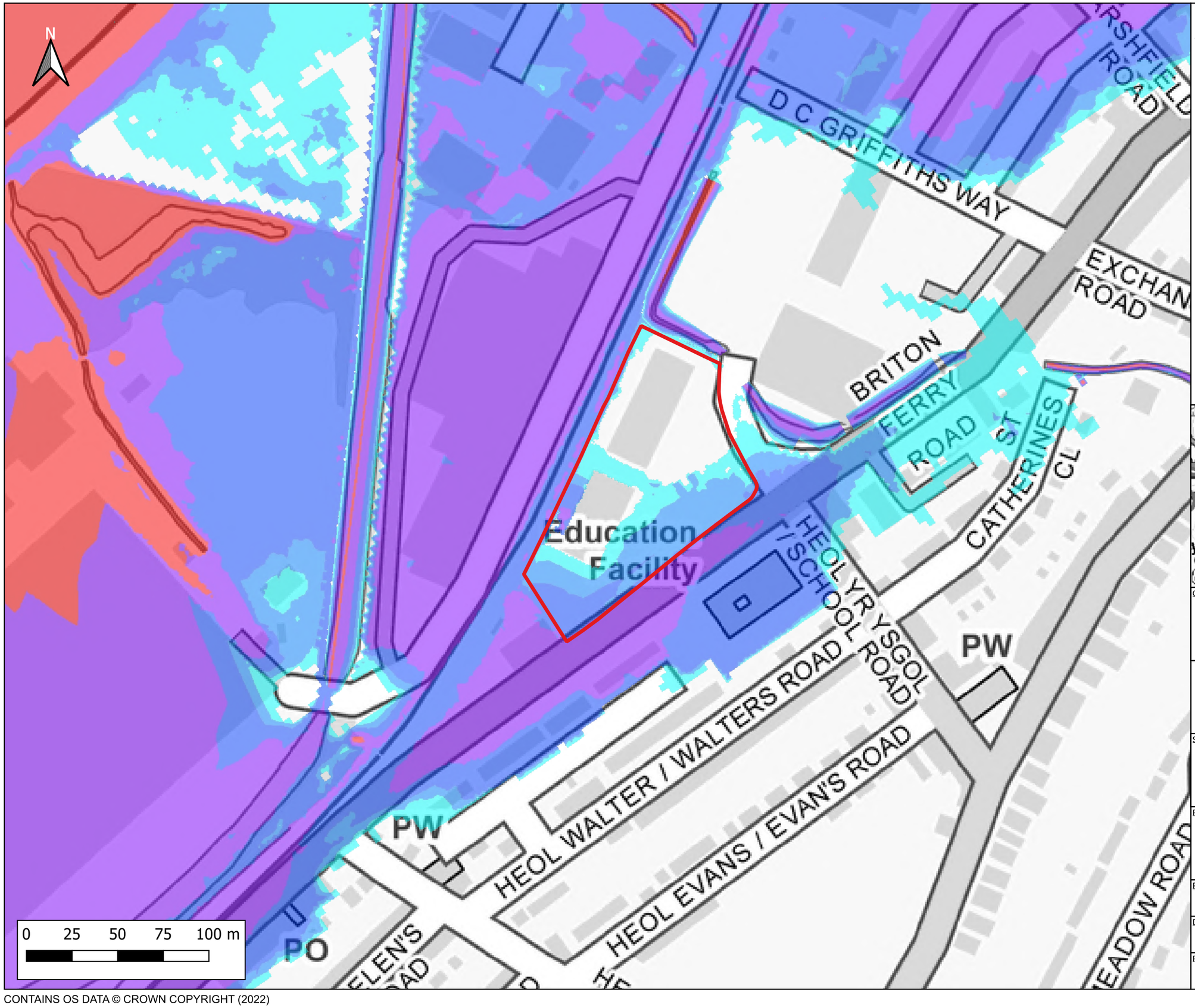
PLOT TITLE:

Maximum Depth Difference
50% AEP Plus 2% AEP Tidal Event 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN: IH	CHECKED: AP	APPROVED: AW	PLOT SCALE AT A3: 1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



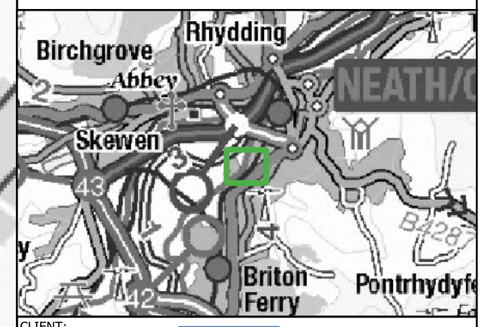
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

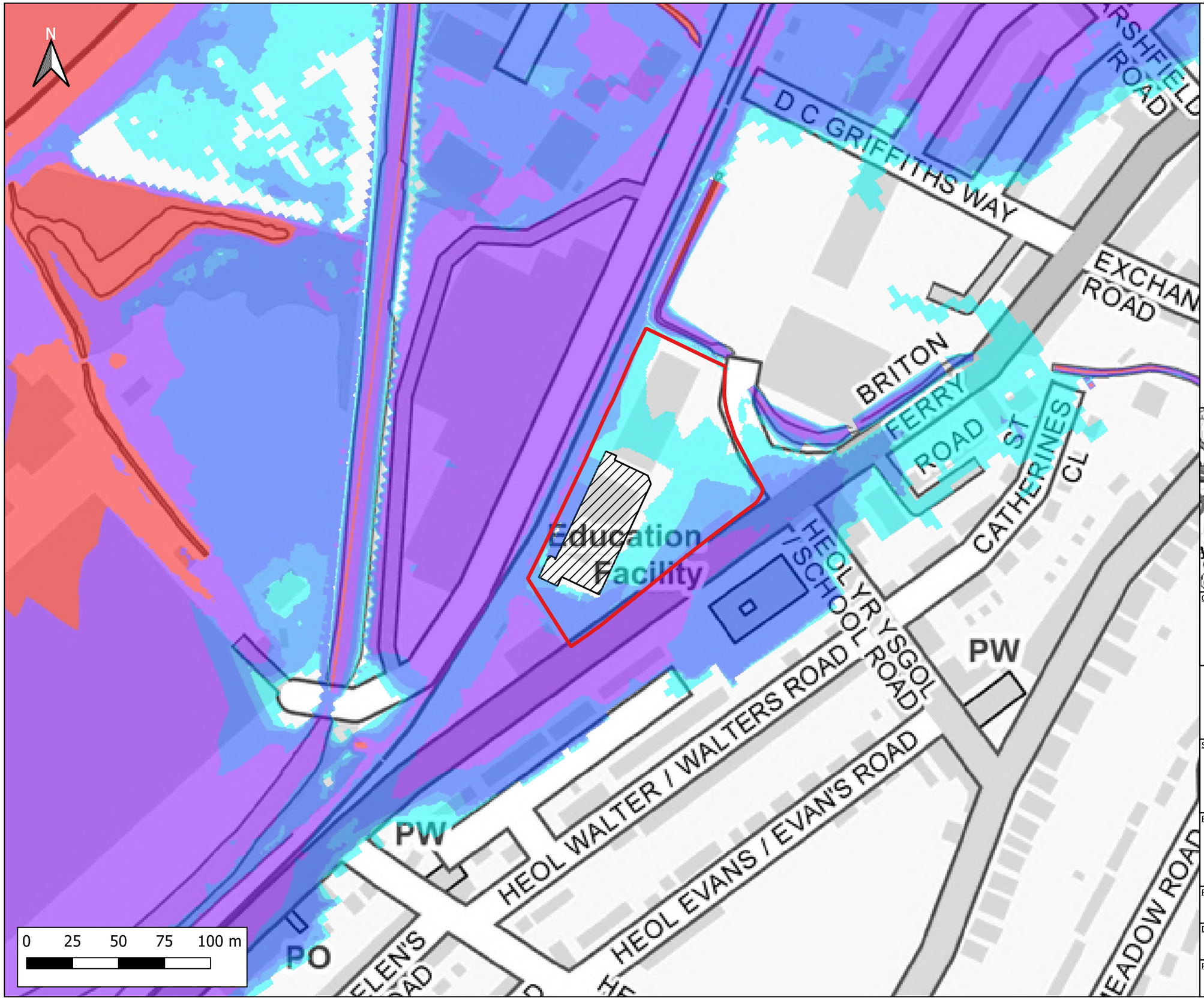
PLOT TITLE:
Maximum Flood Depth
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



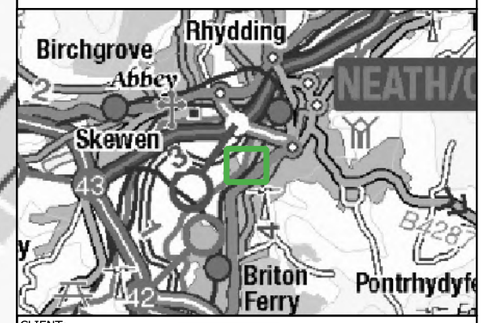
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

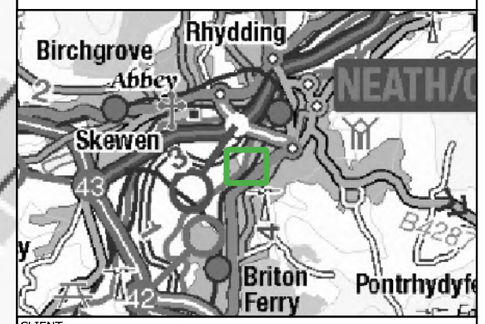
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

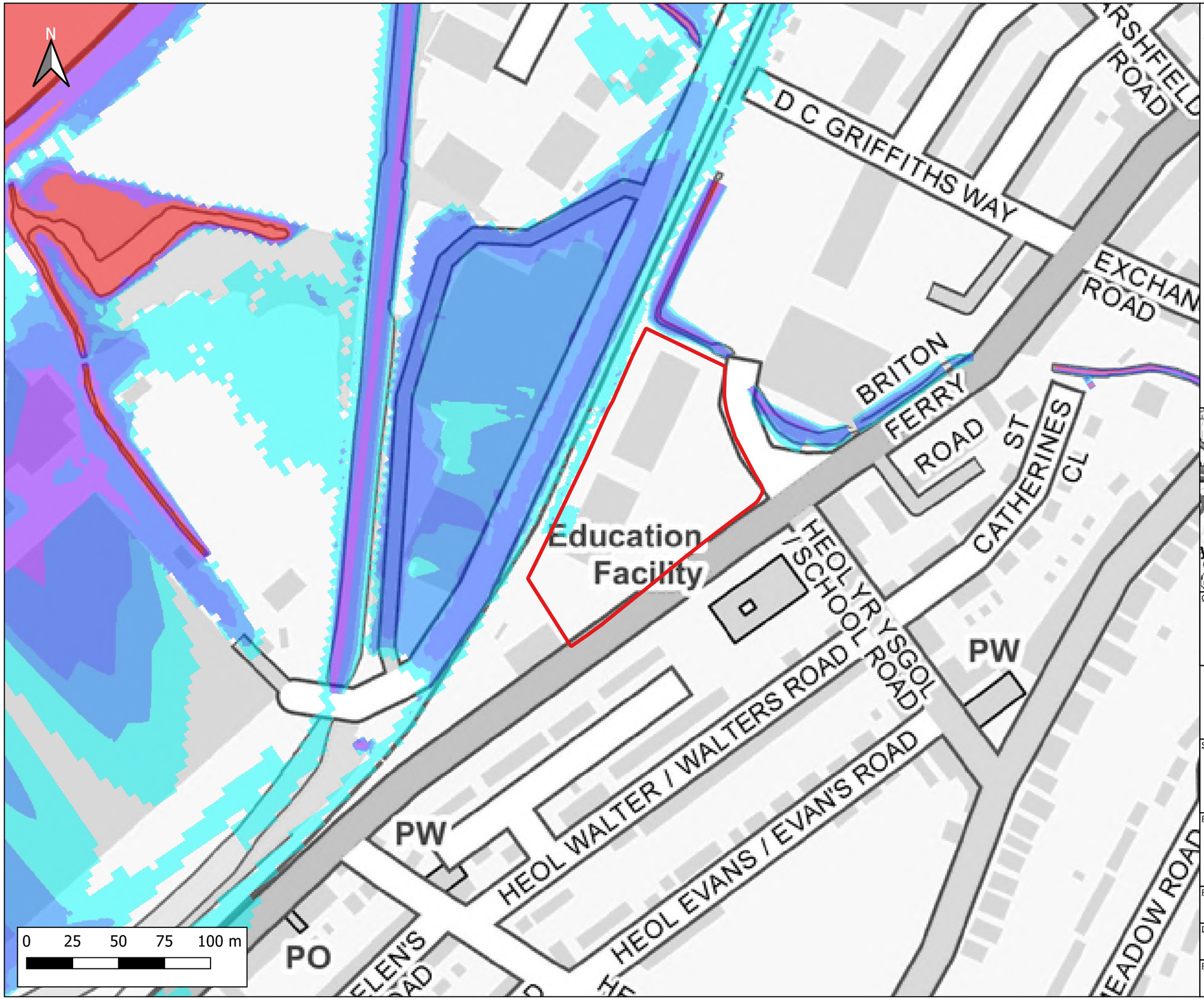
Maximum Depth Difference
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



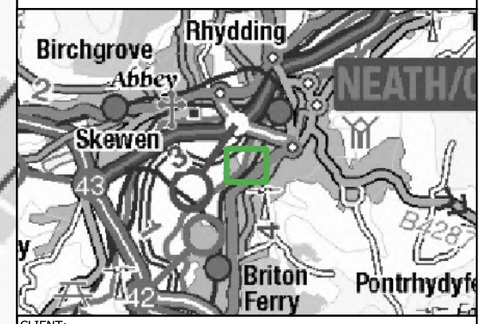
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

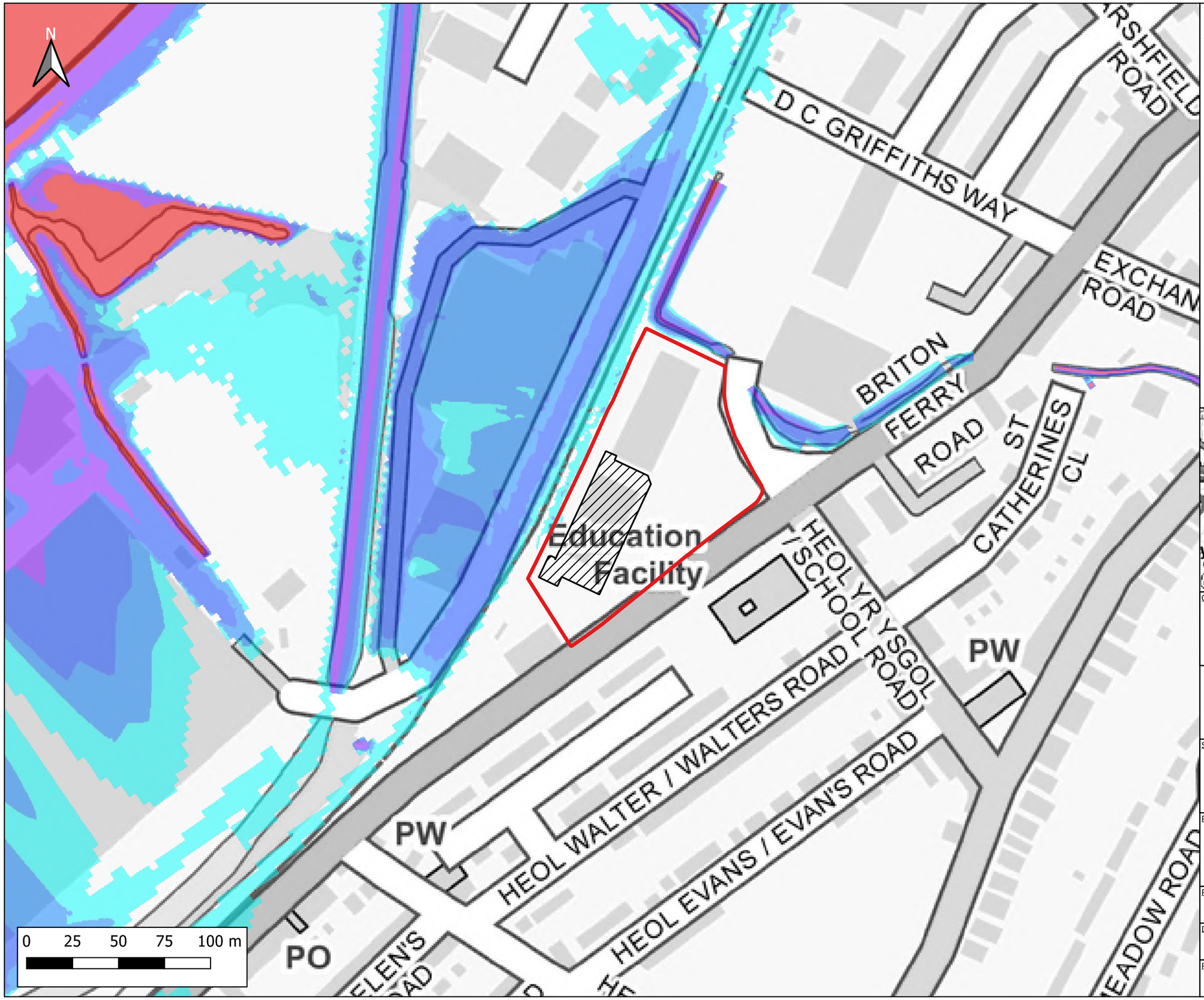
PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



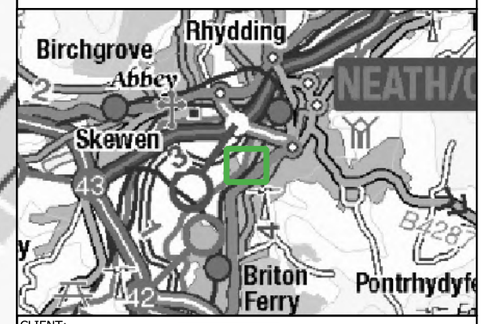
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

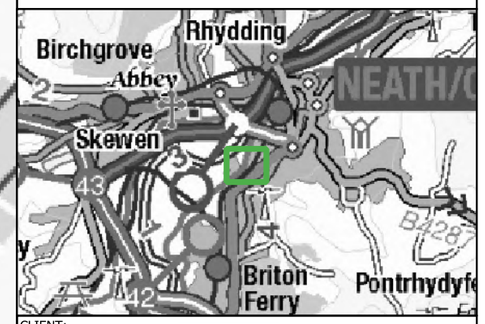
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

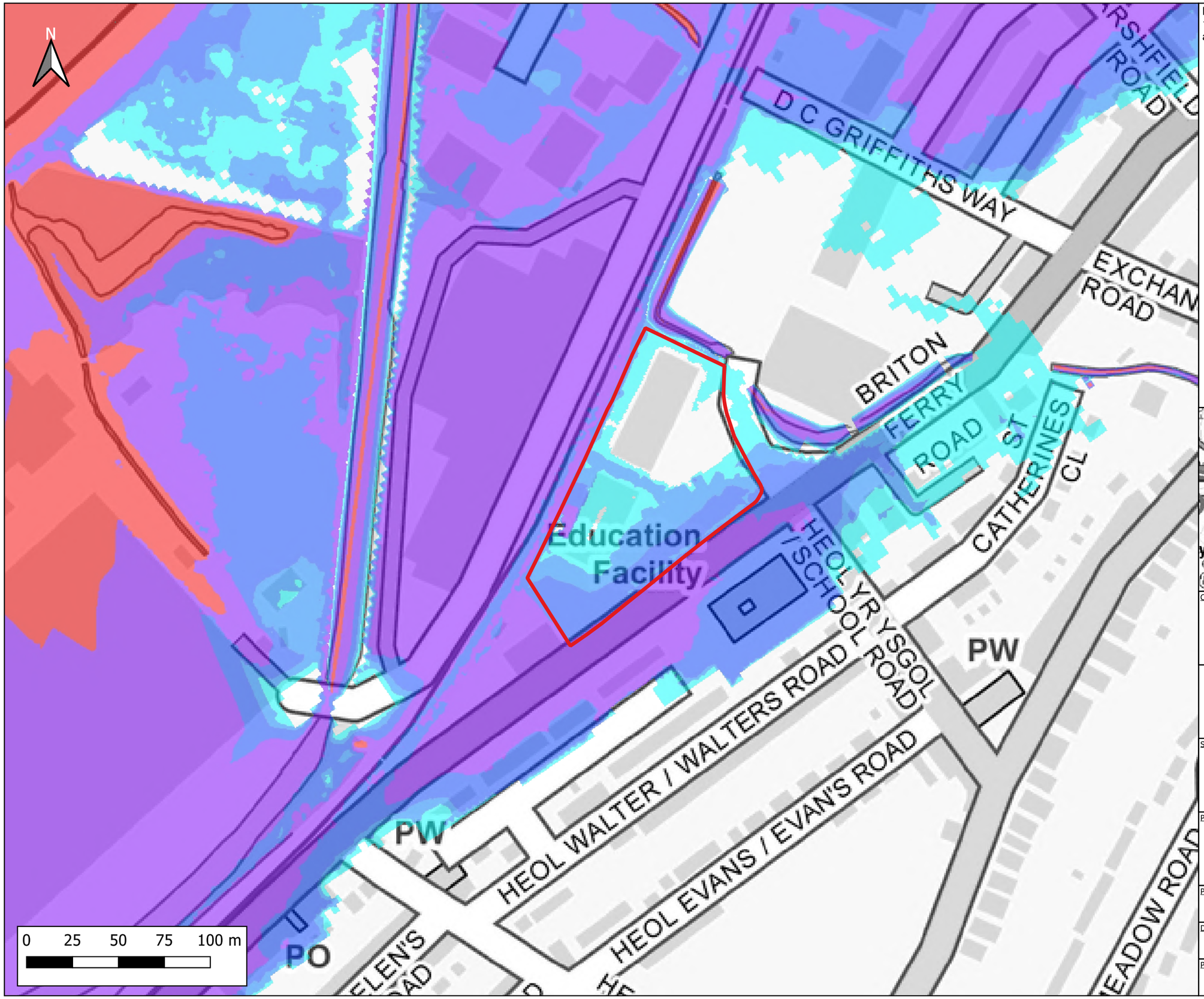
PLOT TITLE:

Maximum Depth Difference
50% AEP Plus 0.5% AEP Tidal Event 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



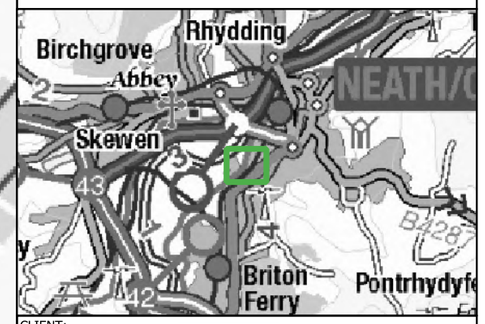
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

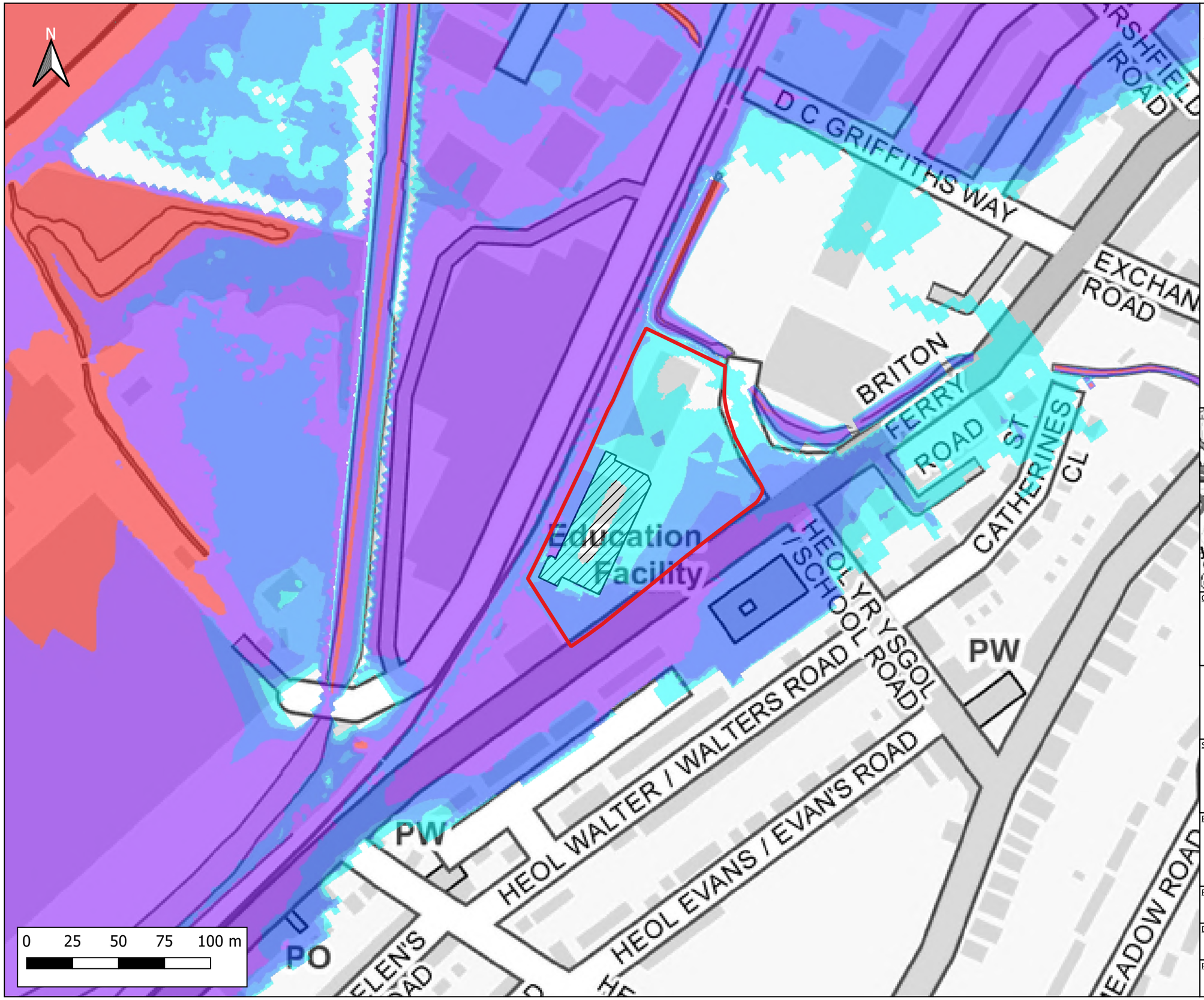
Maximum Flood Depth
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



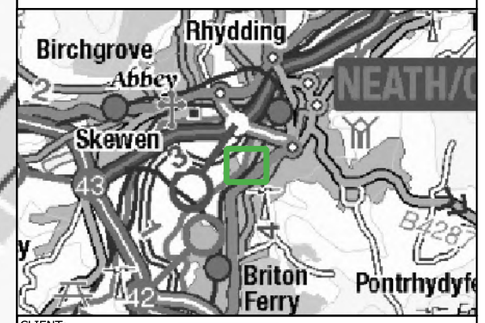
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

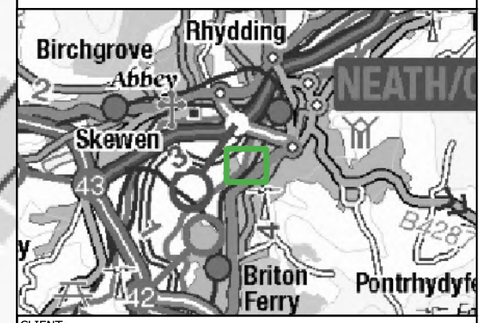
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

Lidl

Waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

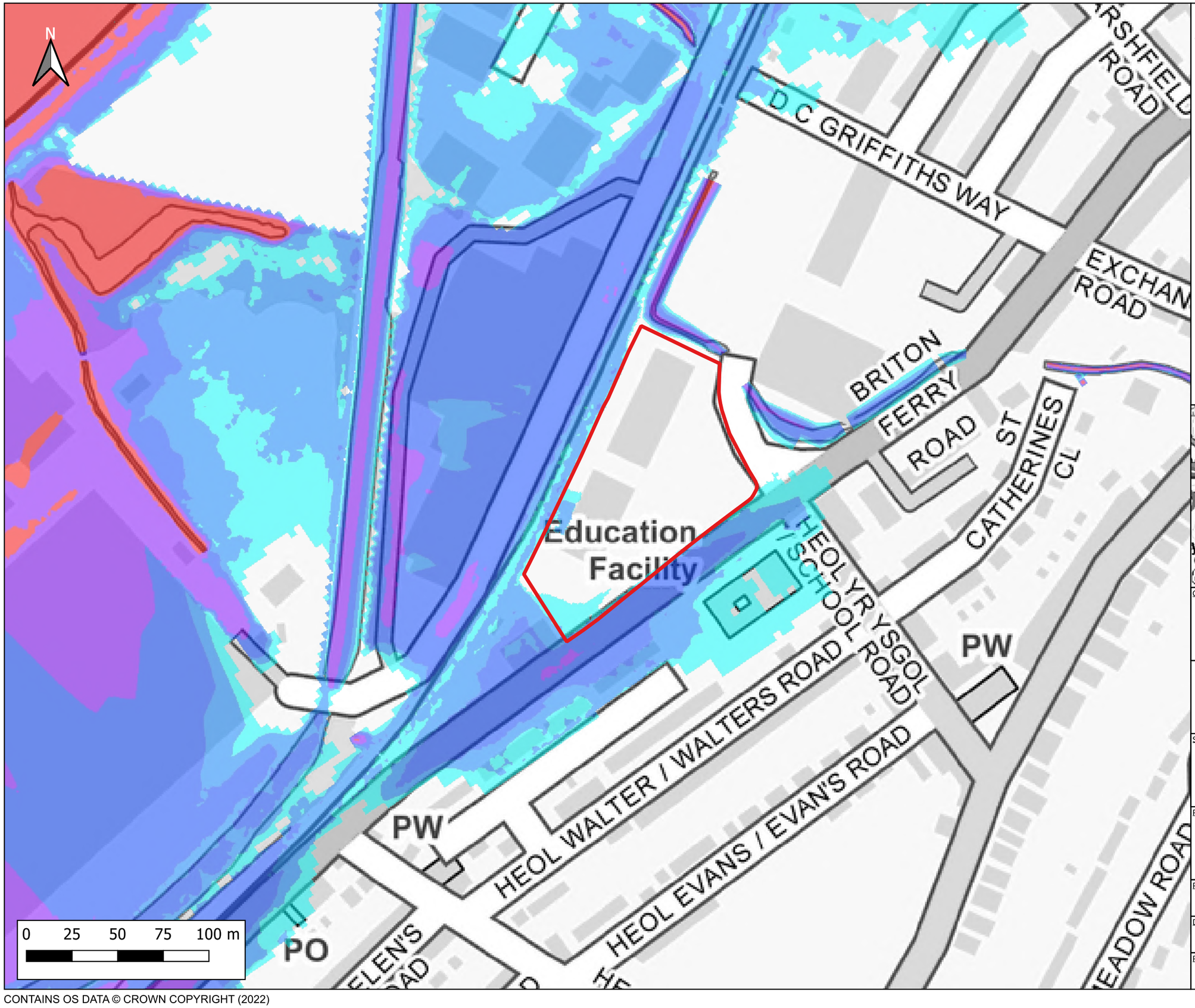
Maximum Depth Difference
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
DEV vs EXG
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



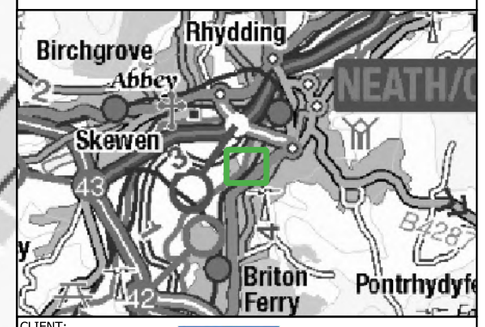
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

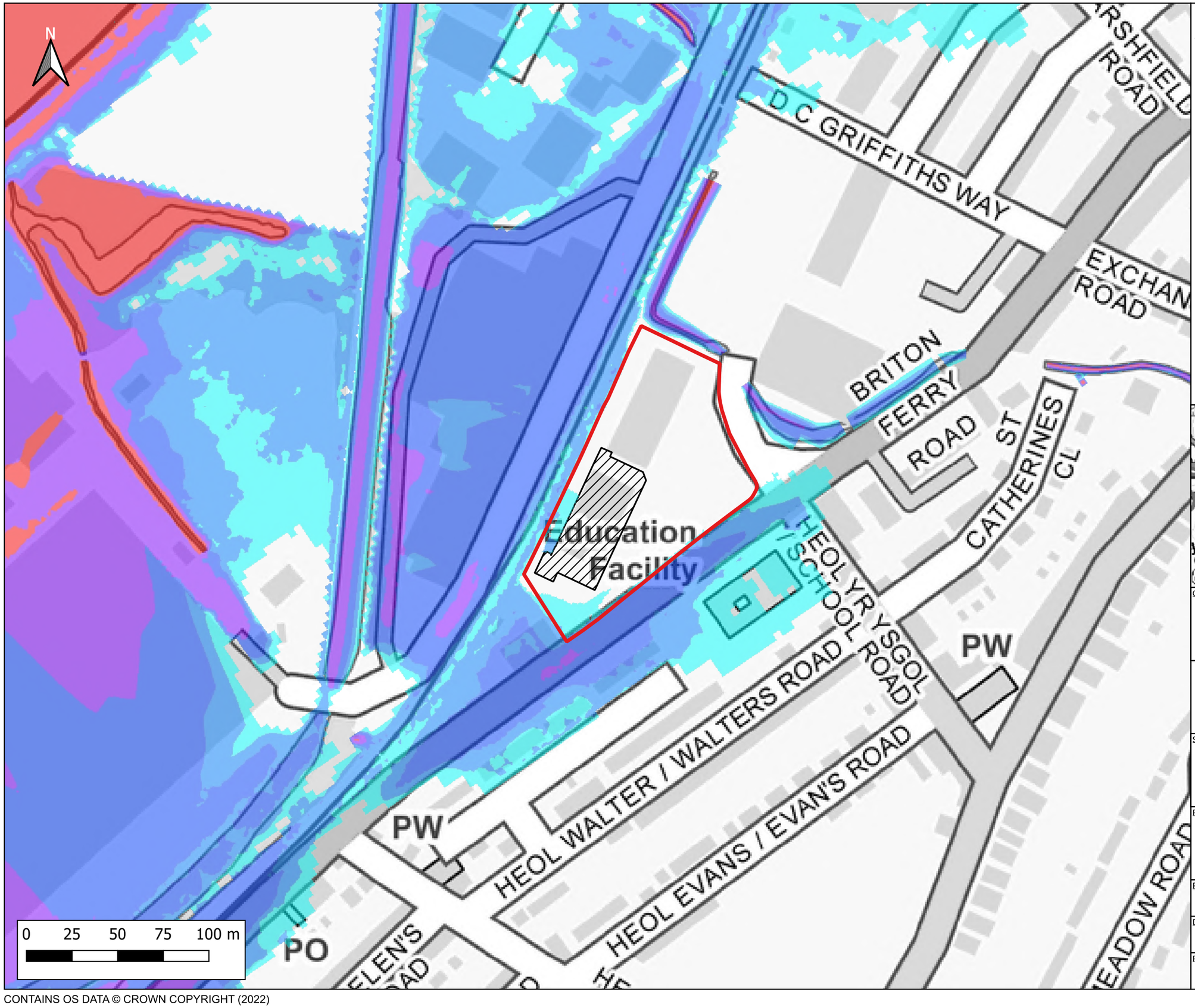
PLOT TITLE:
Maximum Flood Depth
50% AEP Plus 0.1% AEP Tidal Event 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



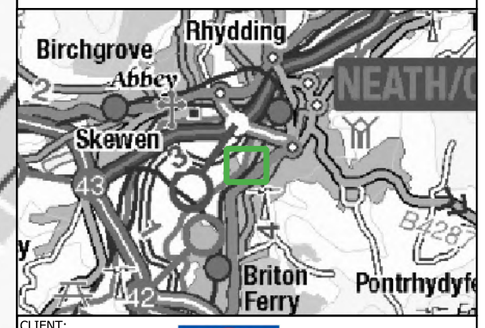
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

PLOT TITLE:
Maximum Flood Depth
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

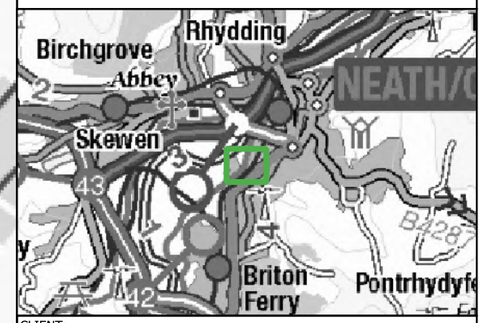
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

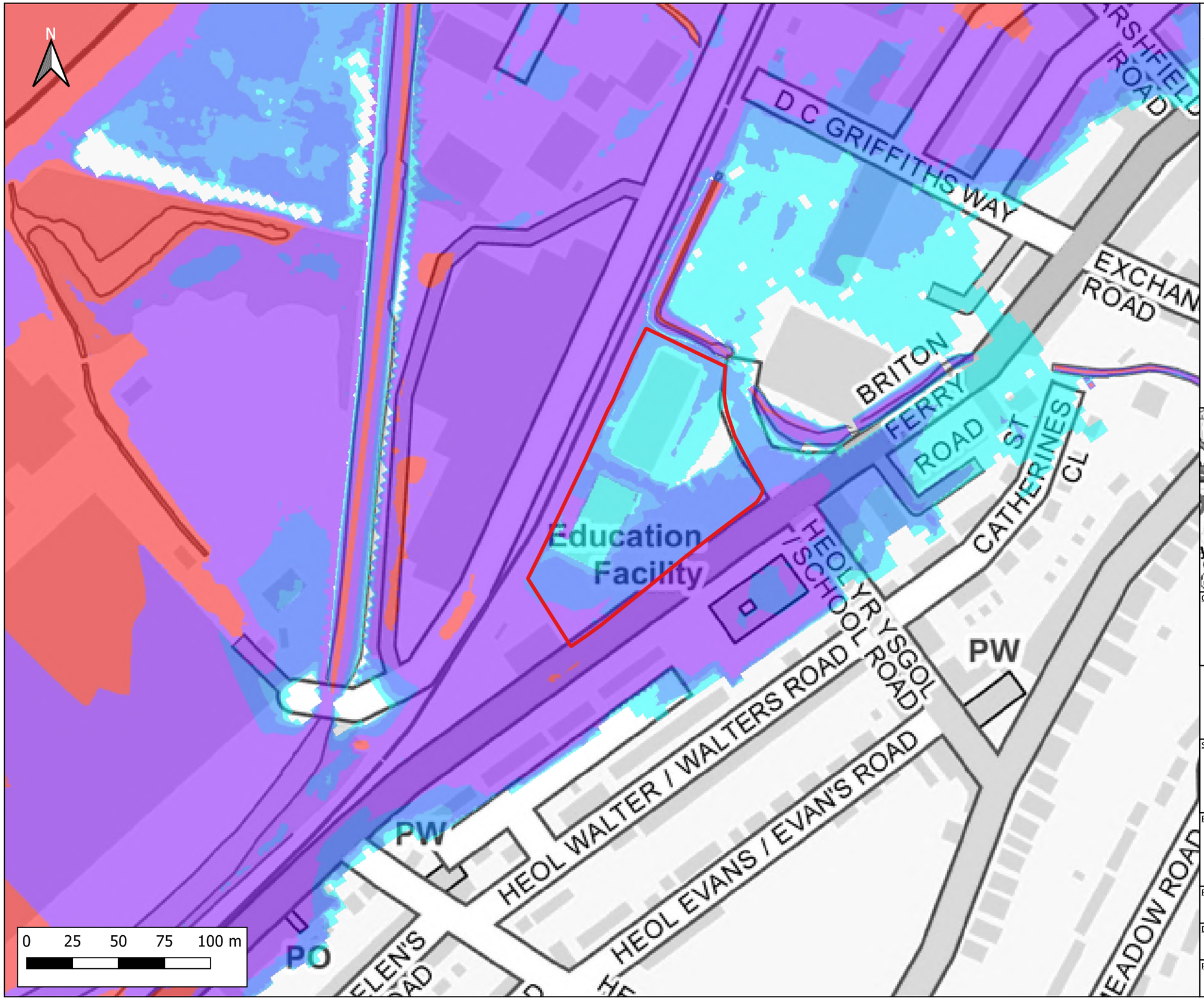
PLOT TITLE:

Maximum Depth Difference
50% AEP Plus 0.1% AEP Tidal Event 2022
DEV vs EXG
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



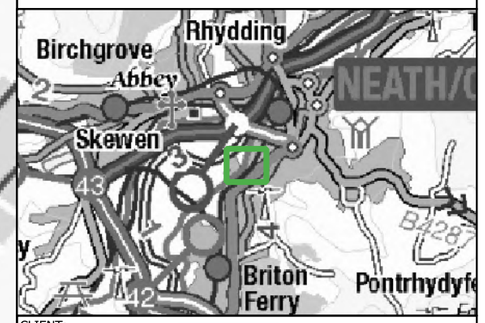
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_EXG_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

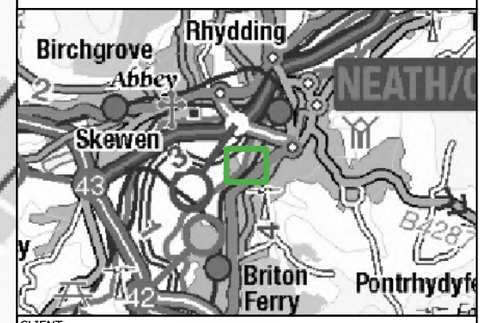
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_DEV_NC_d	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

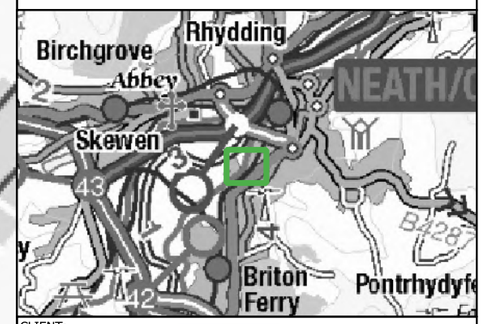
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Depth Difference

- > -100mm
- -50mm to -100mm
- -5mm to -50mm
- No Change (+/- 5mm)
- +5mm to +50mm
- +50mm to +100mm
- > +100mm



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

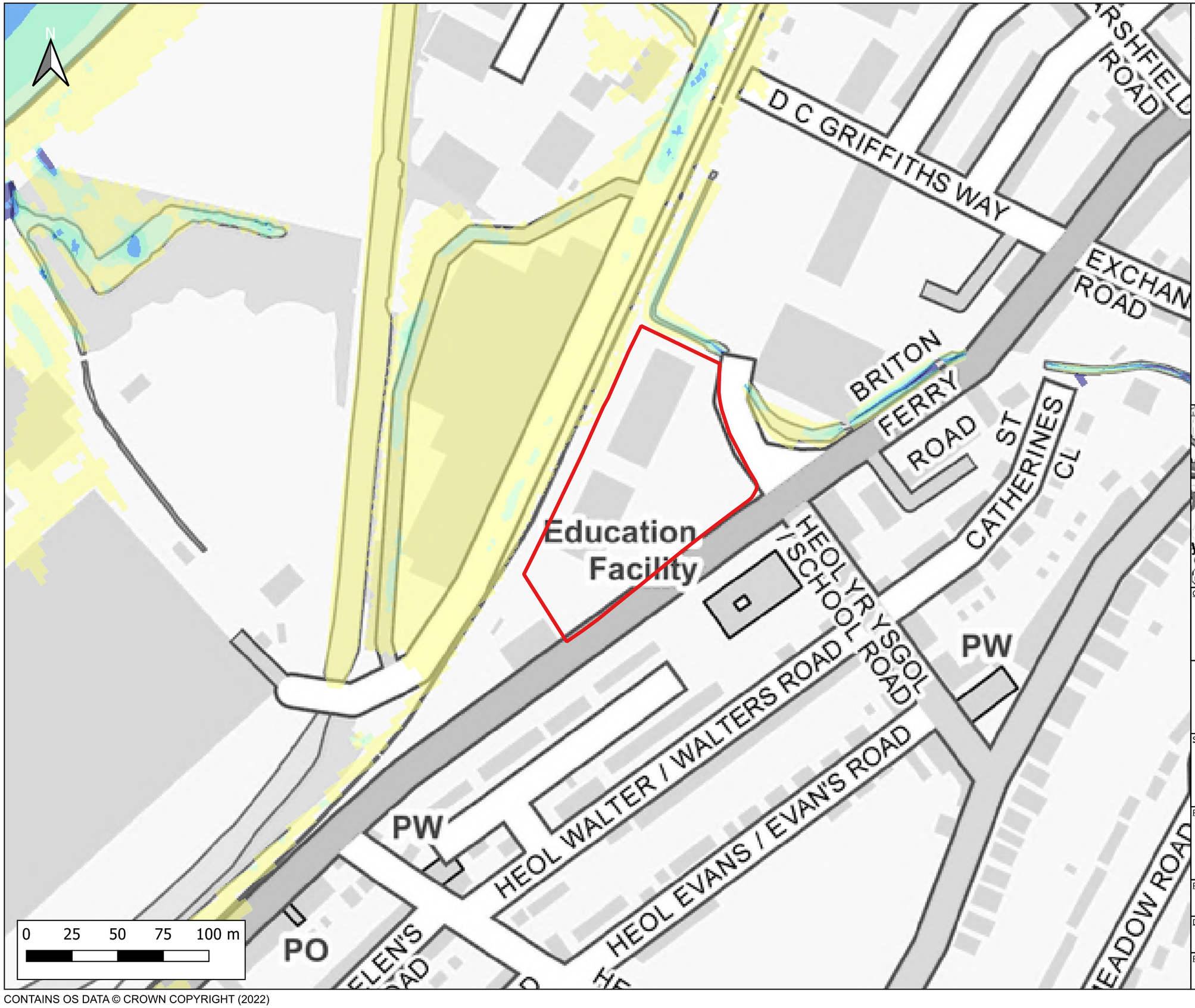
Maximum Depth Difference
50%+CC30 AEP Plus 0.1% AEP Tidal Event 2100
DEV vs EXG
Normal Conditions

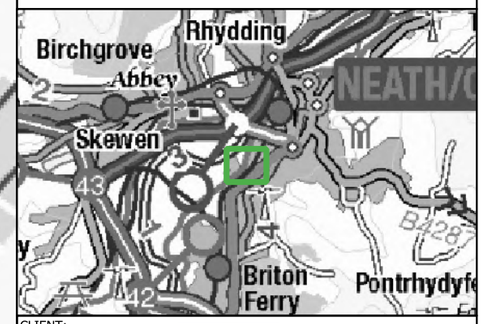
PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_DEV-EXG_d-Diff	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)





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

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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

CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

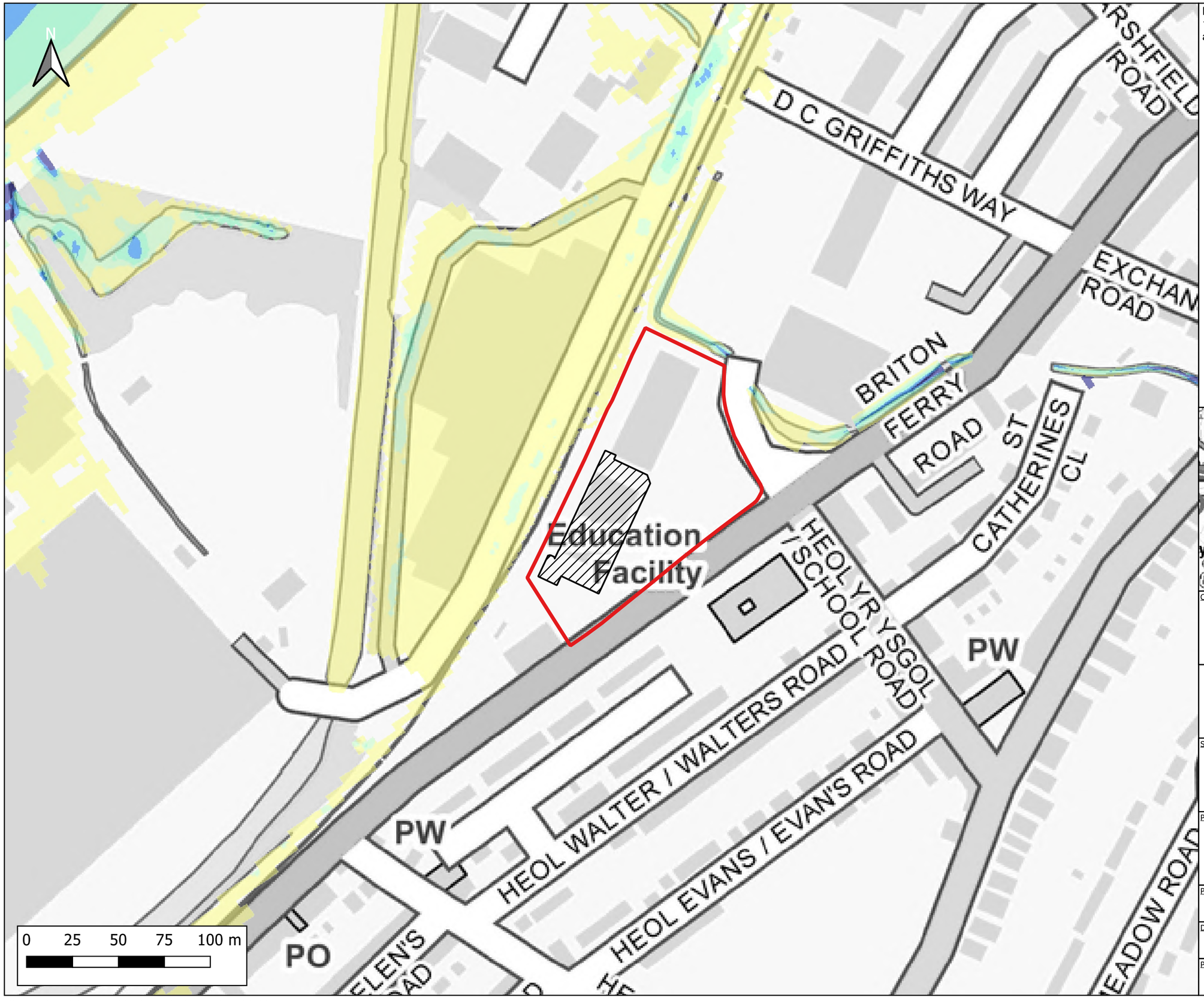
PLOT TITLE:

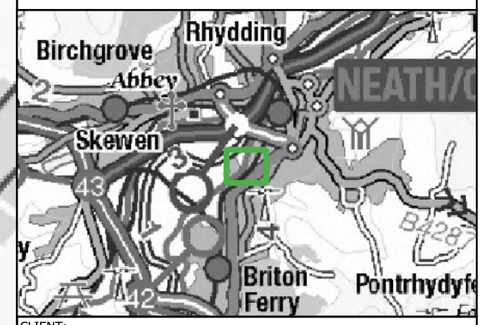
Maximum Flood Velocity
50% AEP Plus 2% AEP Tidal Event 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)





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 Velocity (m/s)

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

CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

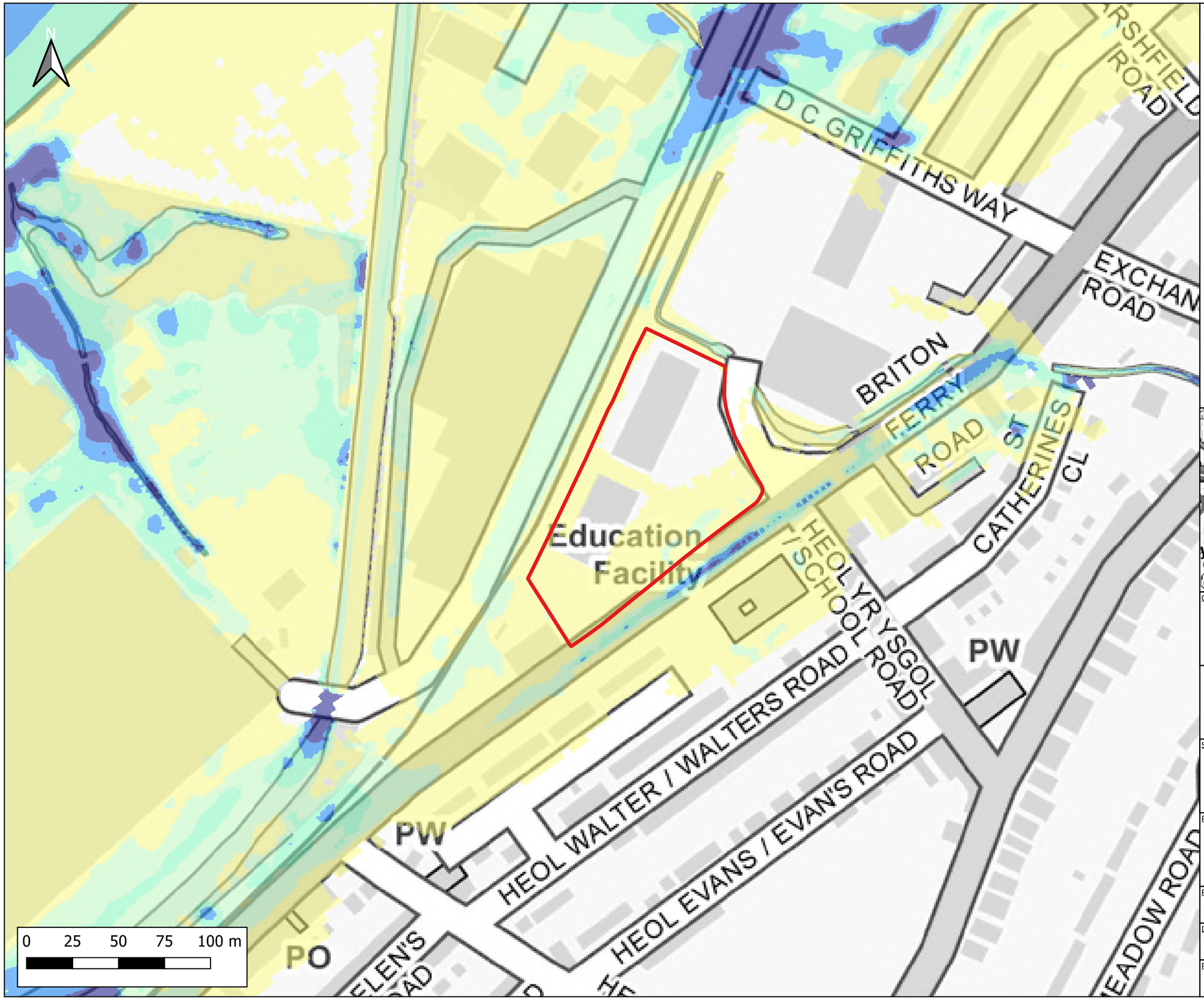
PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



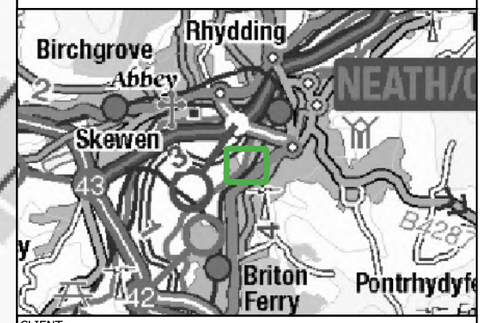
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

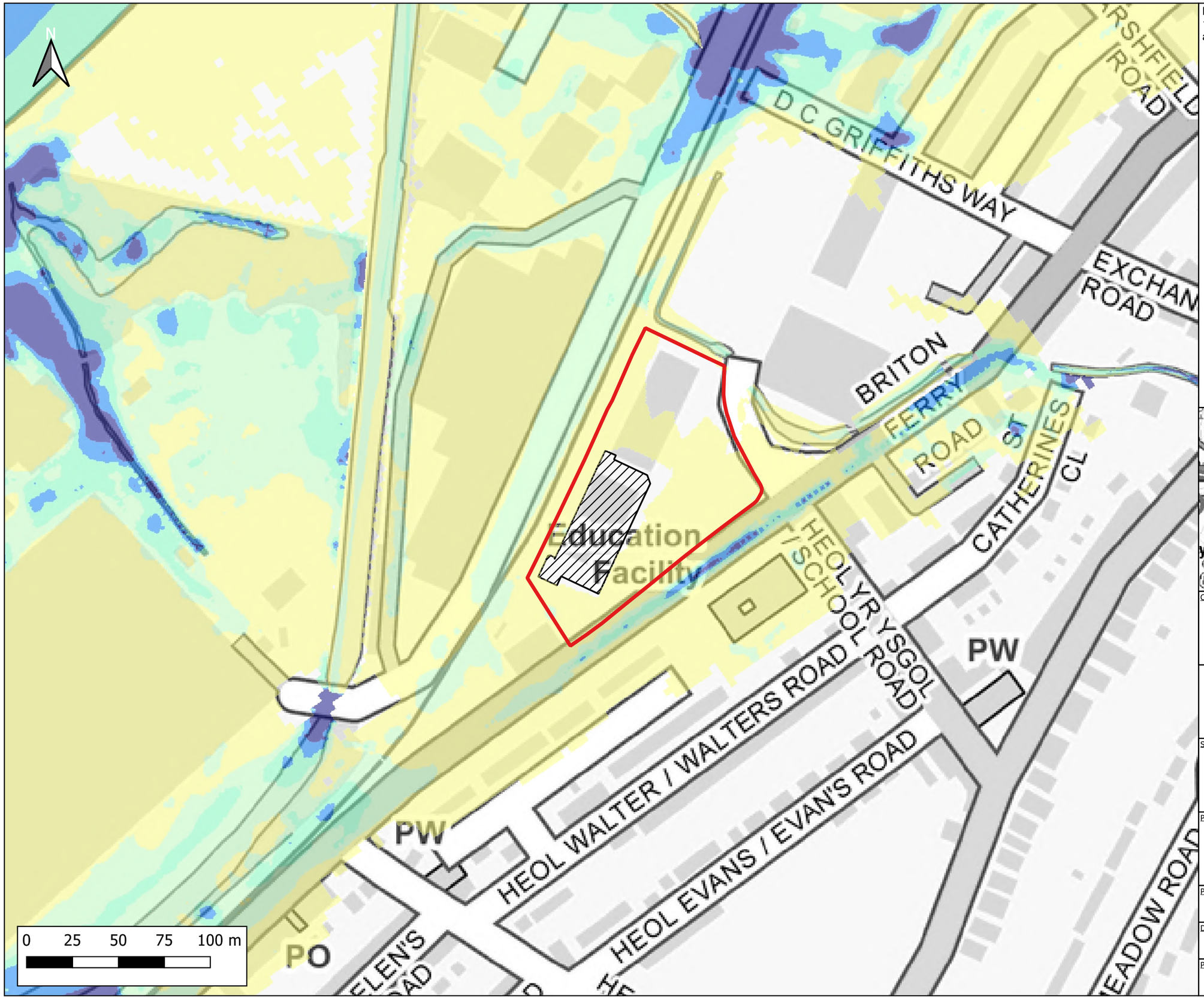
Maximum Flood Velocity
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



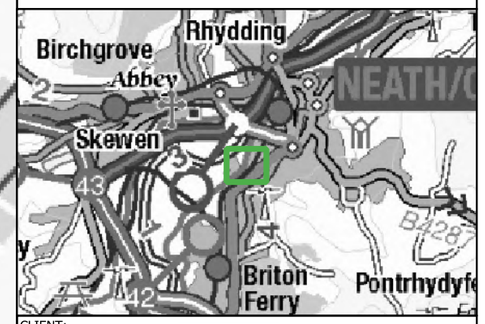
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

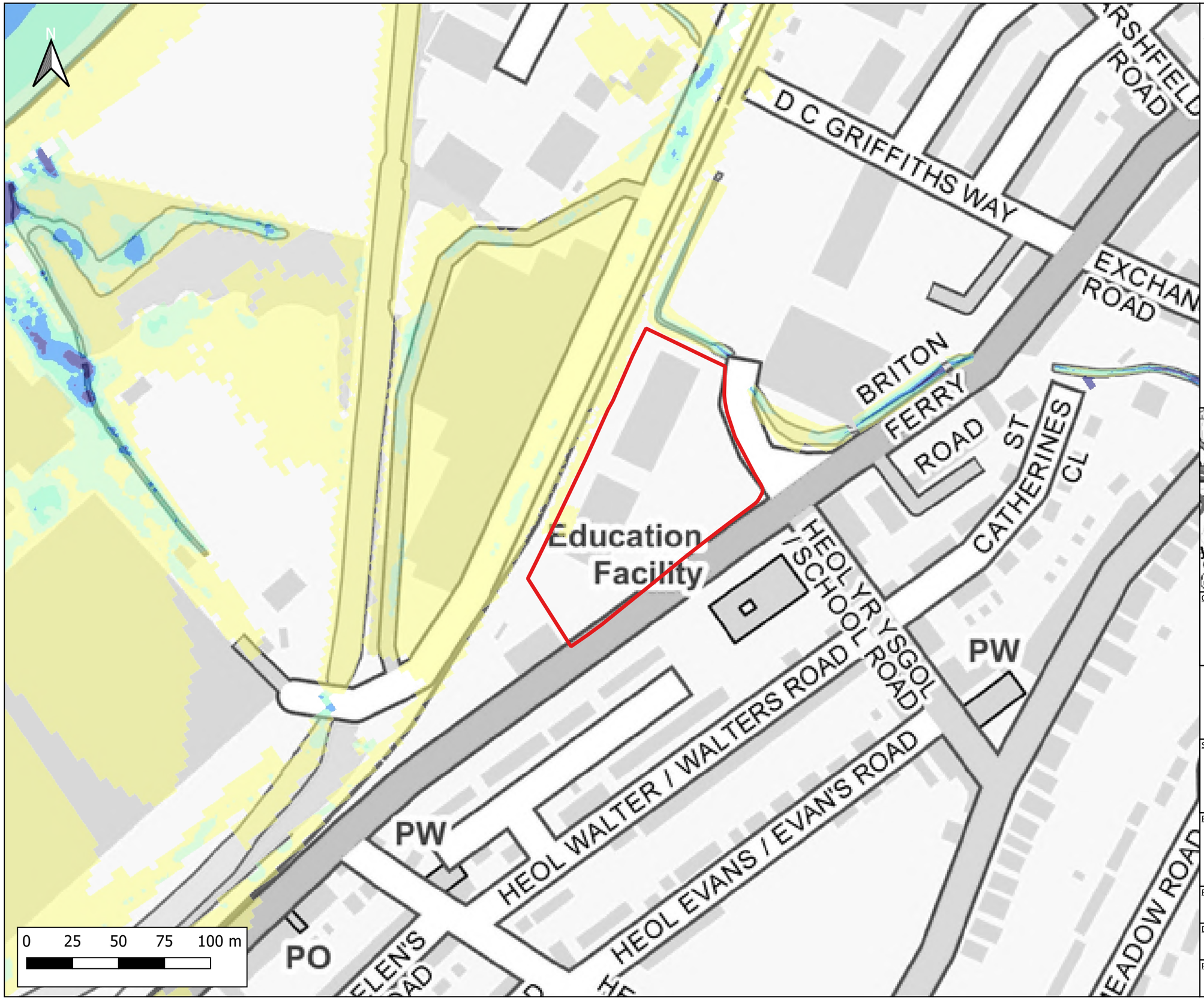
PLOT TITLE:
Maximum Flood Velocity
50%+CC30 AEP Plus 2% AEP Tidal Event 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



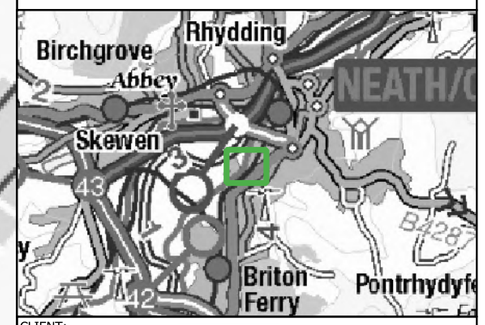
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_EXG_NC_V	-

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N

D C GRIFFITHS WAY

RSHFIELD ROAD

EXCHAN ROAD

BRITON FERRY ROAD

ST CATHERINES CL

CATH

Education Facility

HEOL YSGOL / SCHOOL

YR YSGOL ROAD

PW

HEOL WALTER / WALTERS ROAD

HEOL EVANS / EVAN'S ROAD

PW

PO

MEADOW ROAD

0 25 50 75 100 m

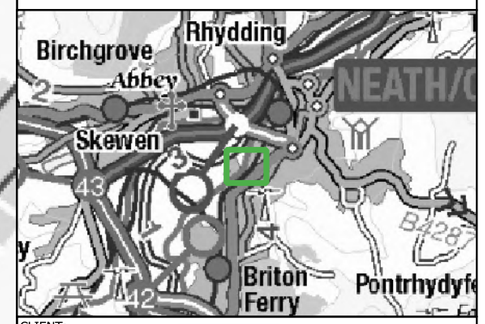
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)

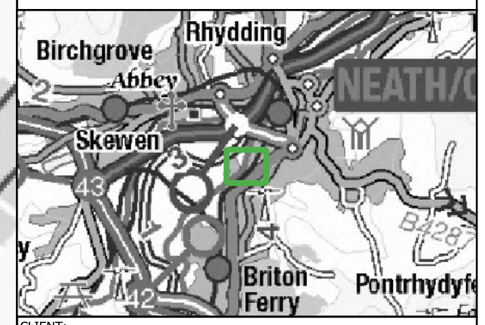
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

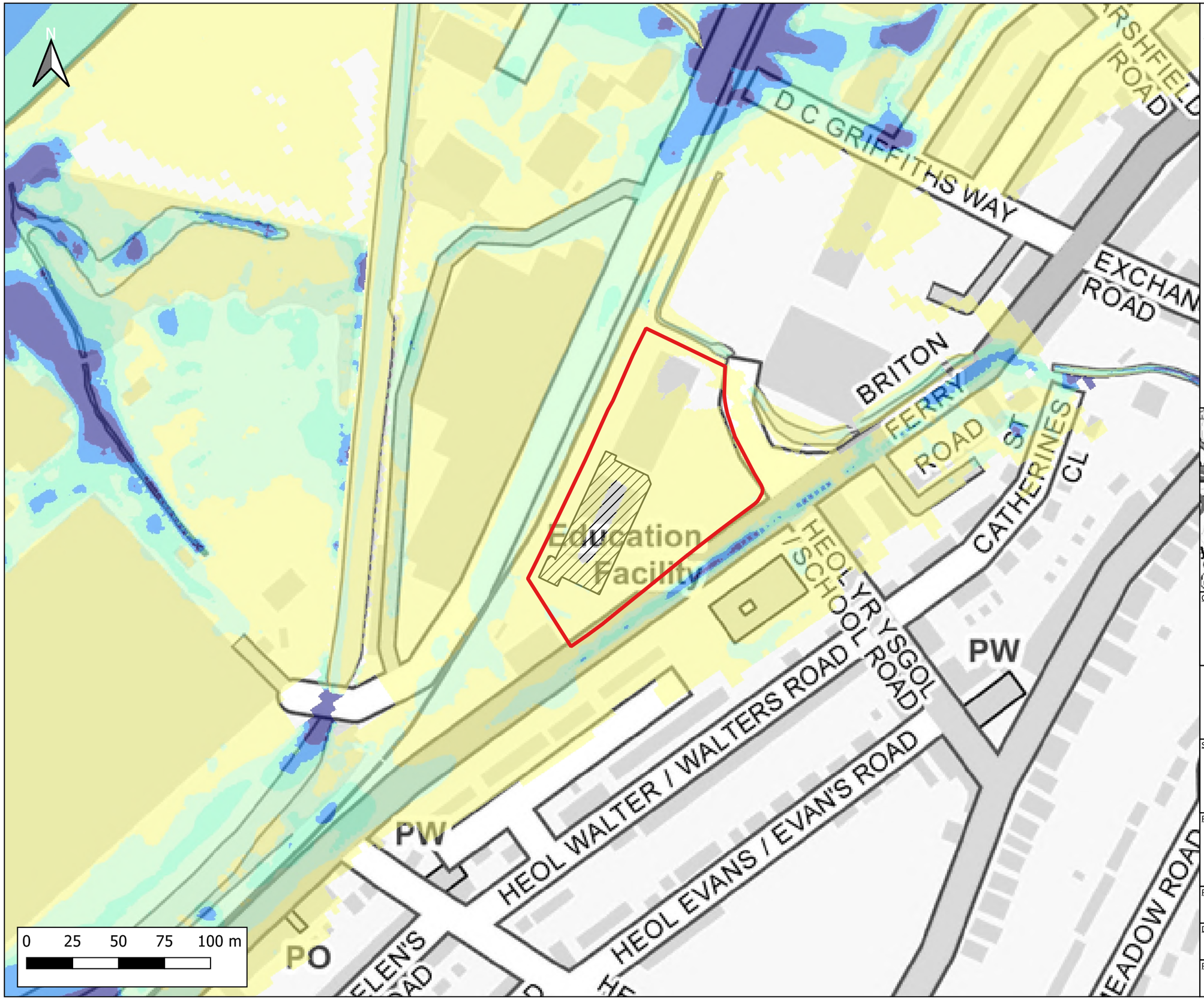
Maximum Flood Velocity
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_EXG_NC_V	-

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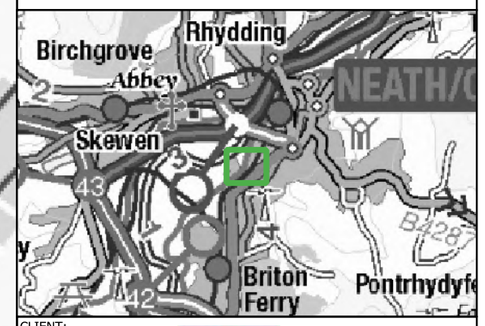
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

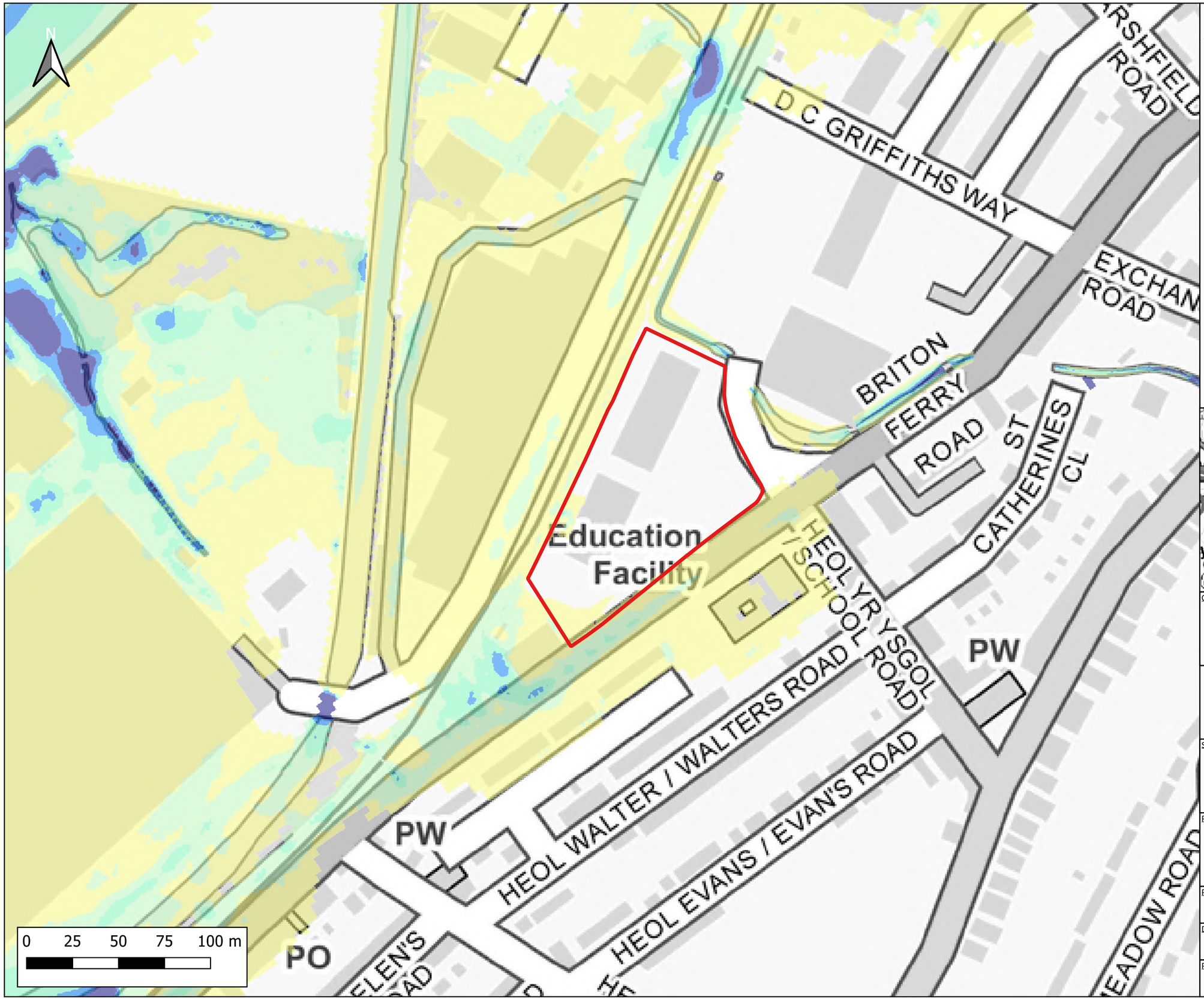
Maximum Flood Velocity
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



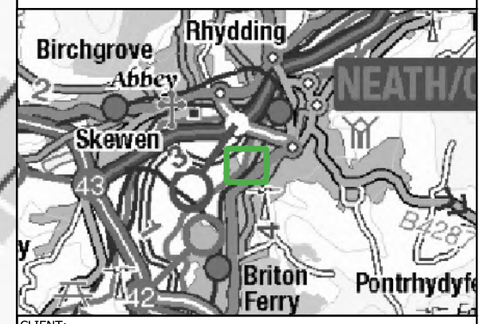
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood 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:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

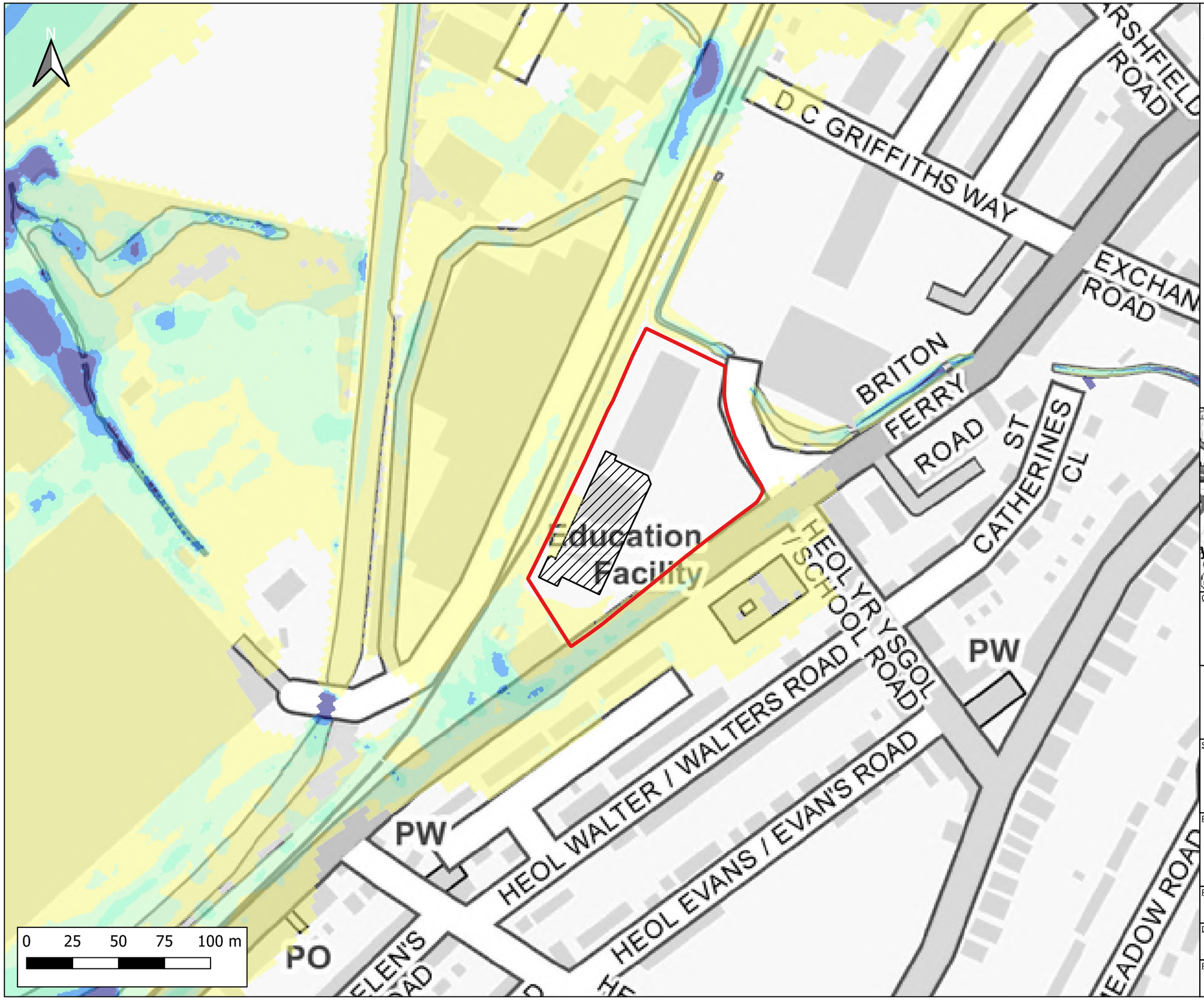
Maximum Flood Velocity
50% AEP Plus 0.1% AEP Tidal Event 2022
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_EXG_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



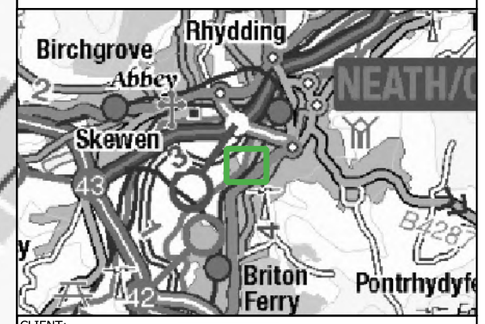
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_DEV_NC_V	-

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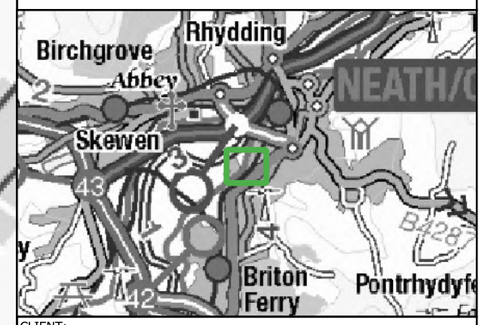
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

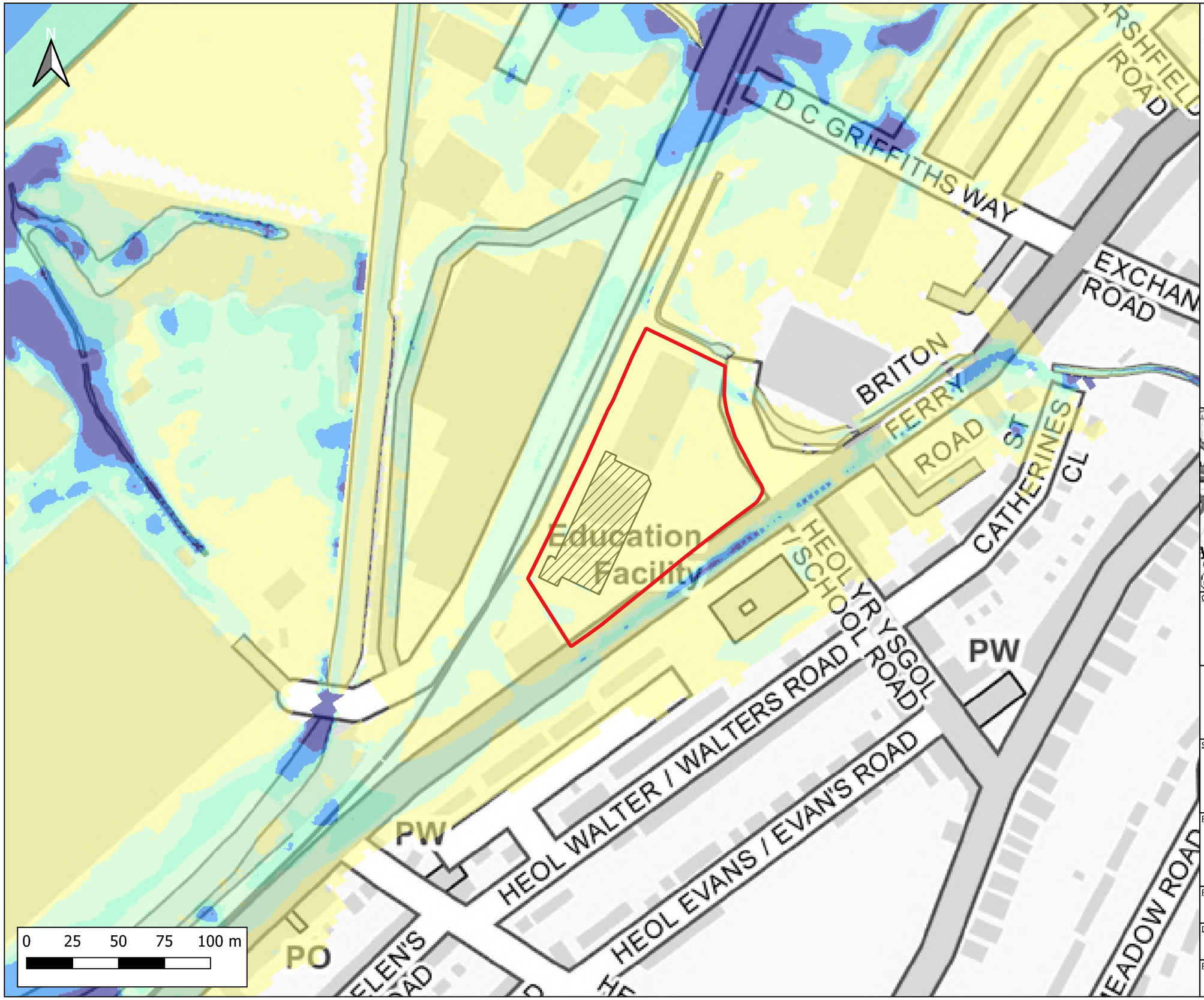
Maximum Flood Velocity
50%+CC30 AEP Plus 0.1% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_EXG_NC_V	-

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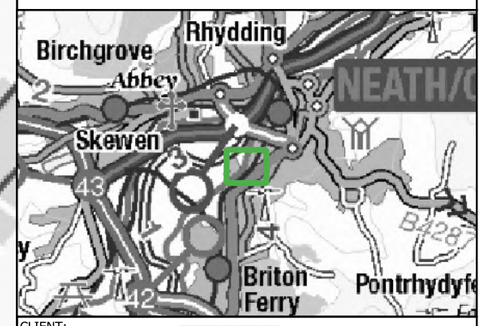
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Velocity (m/s)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

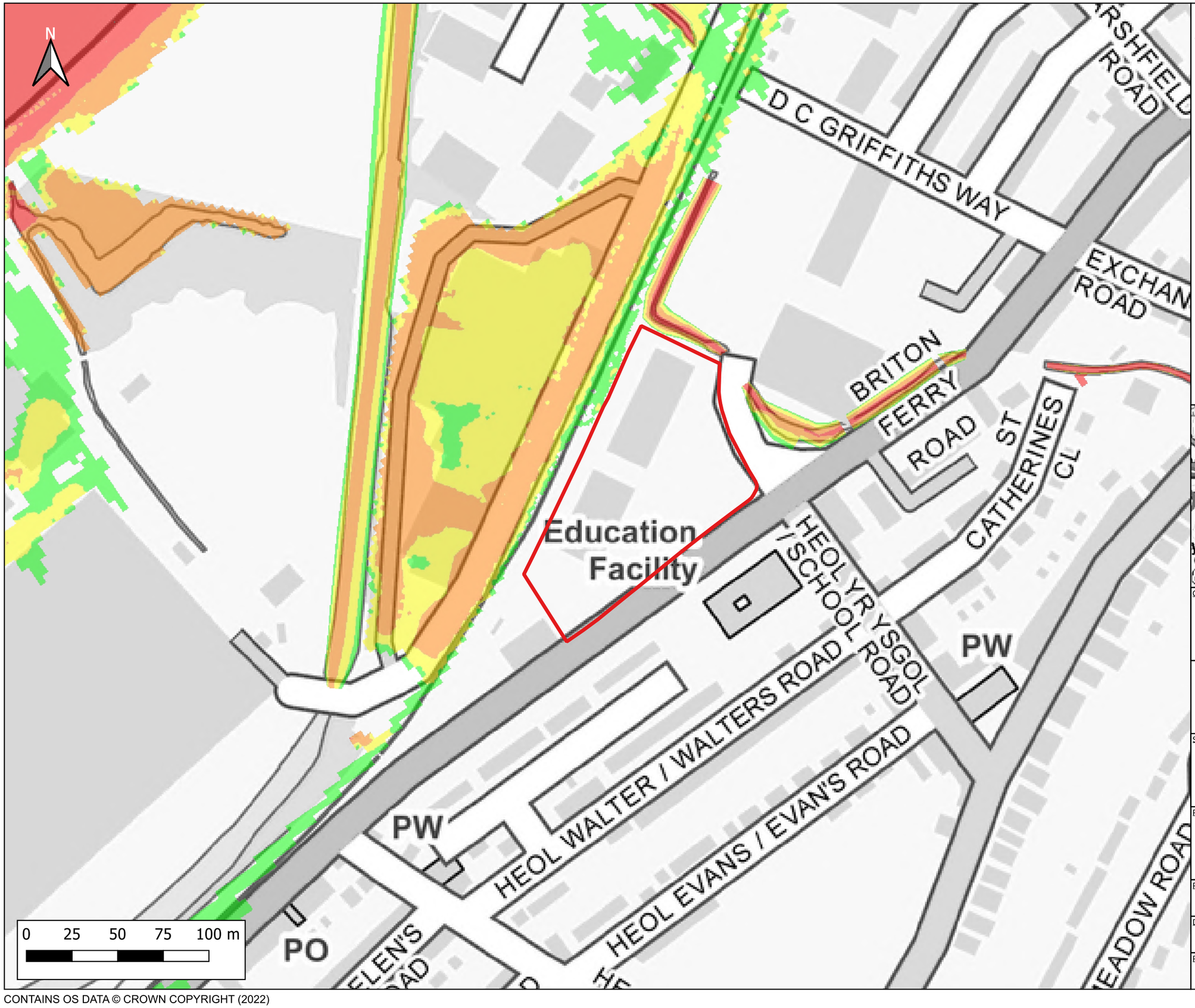
PLOT TITLE:
Maximum Flood Velocity
50%+CC30 AEP Plus 0.1% AEP Tidal Event 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_DEV_NC_V	-

CONTAINS OS DATA © CROWN COPYRIGHT (2022)



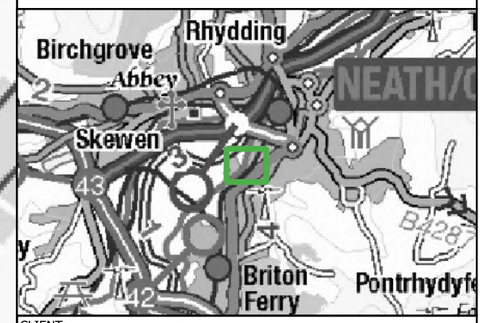
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

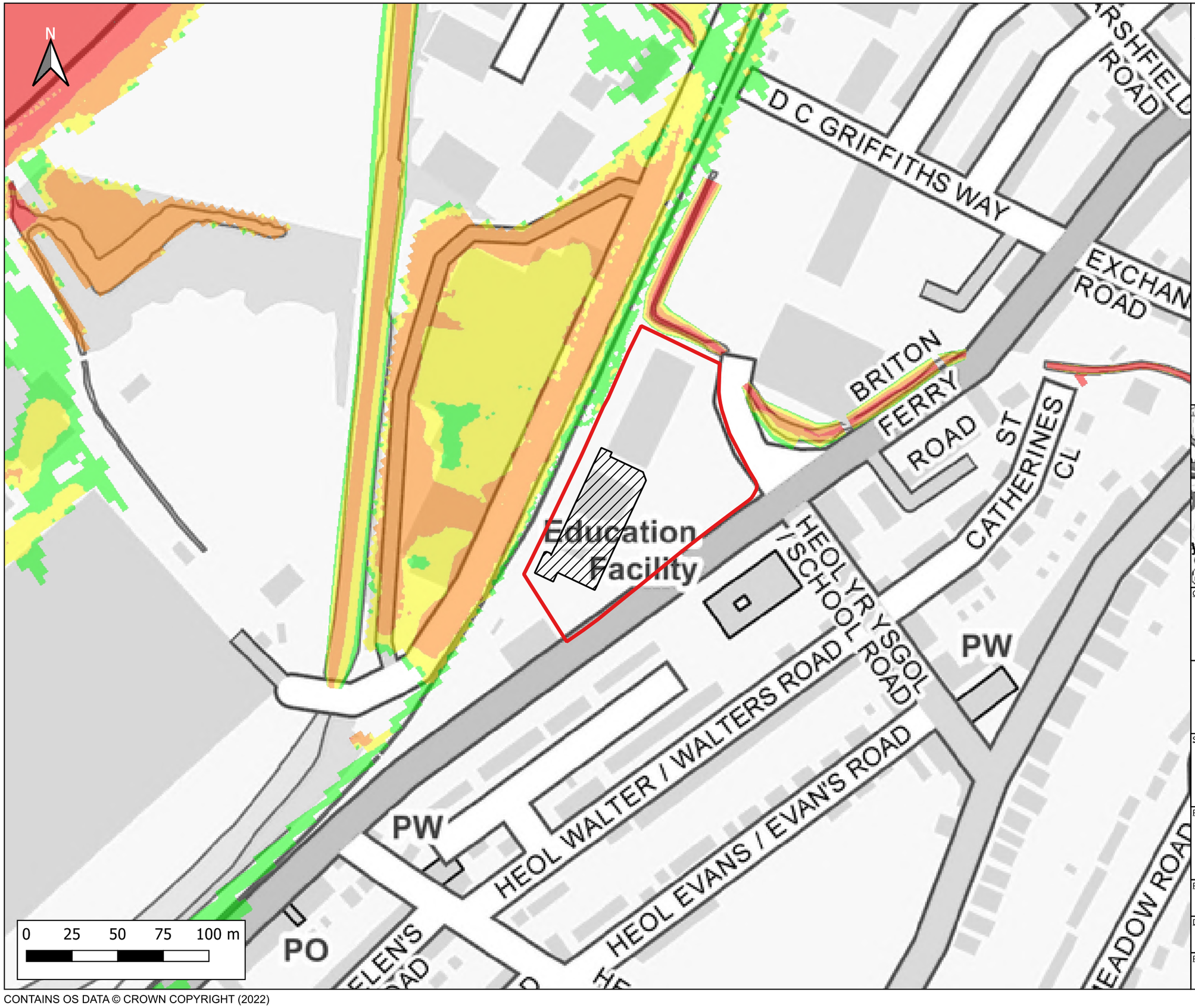
PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_EXG_NC_HZ	-

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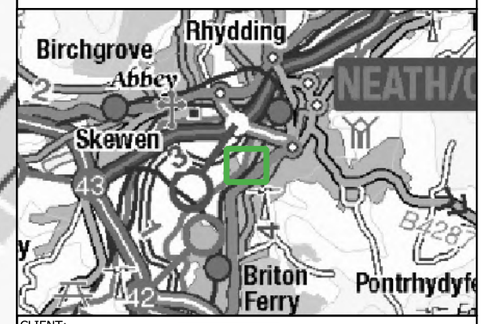
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T50_DEV_NC_HZ	-

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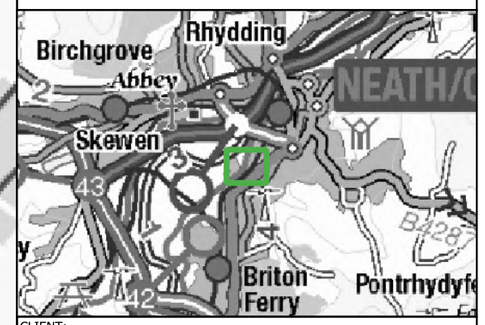
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_EXG_NC_HZ	-

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N

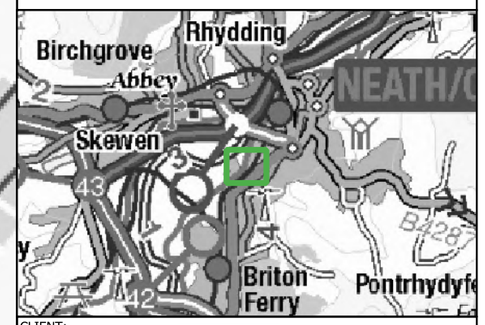
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



0 25 50 75 100 m

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CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

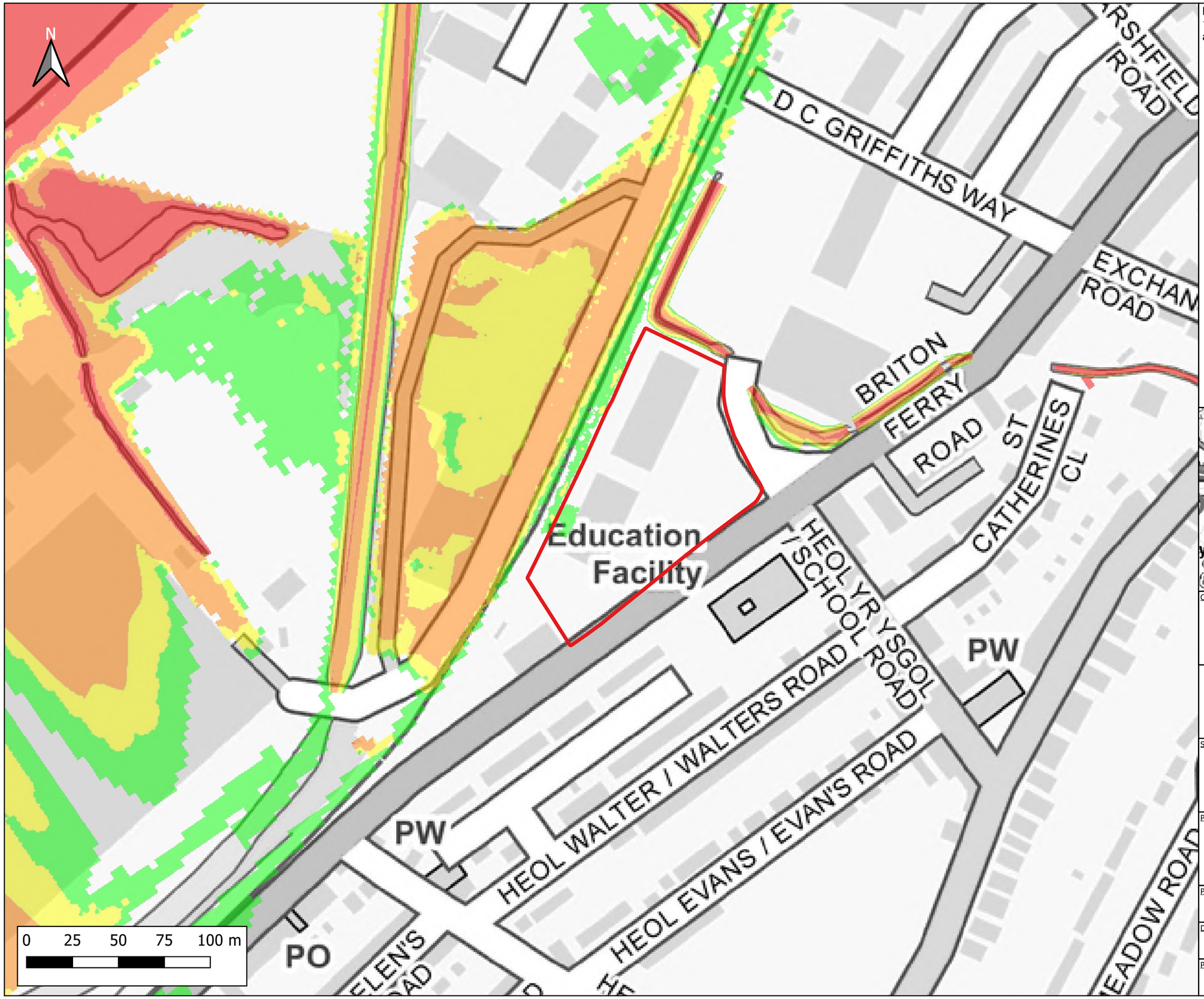
PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T50_2100_DEV_NC_HZ	-



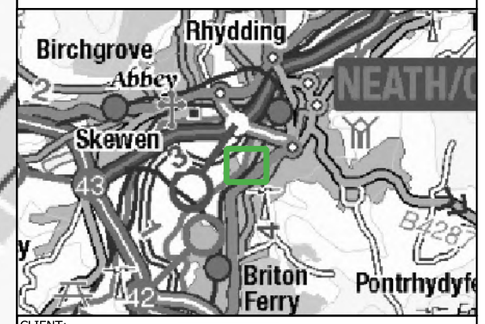
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

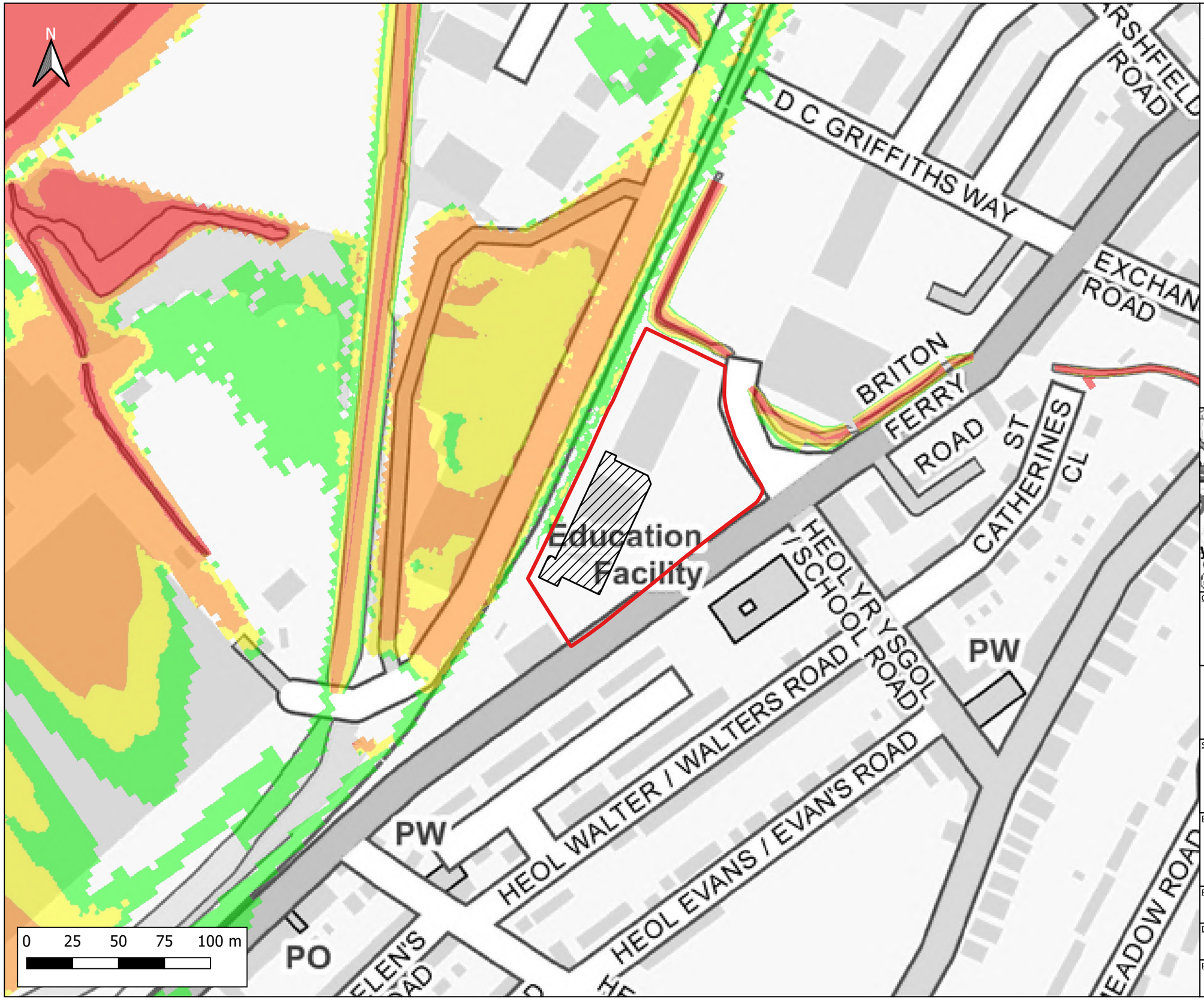
PLOT TITLE:

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

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_EXG_NC_HZ	-

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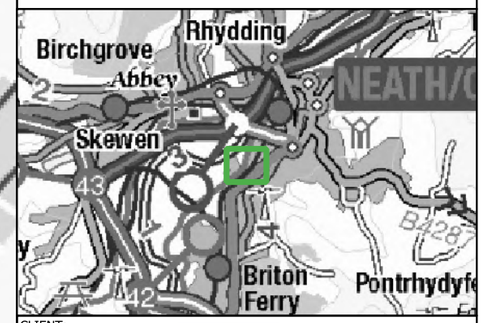
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T200_DEV_NC_HZ	-

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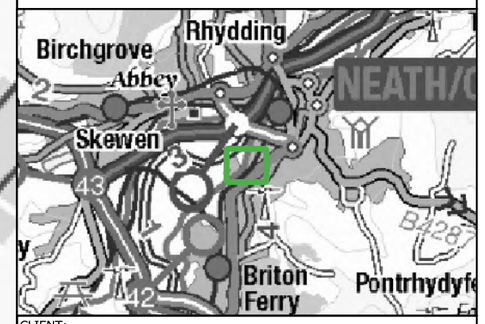
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

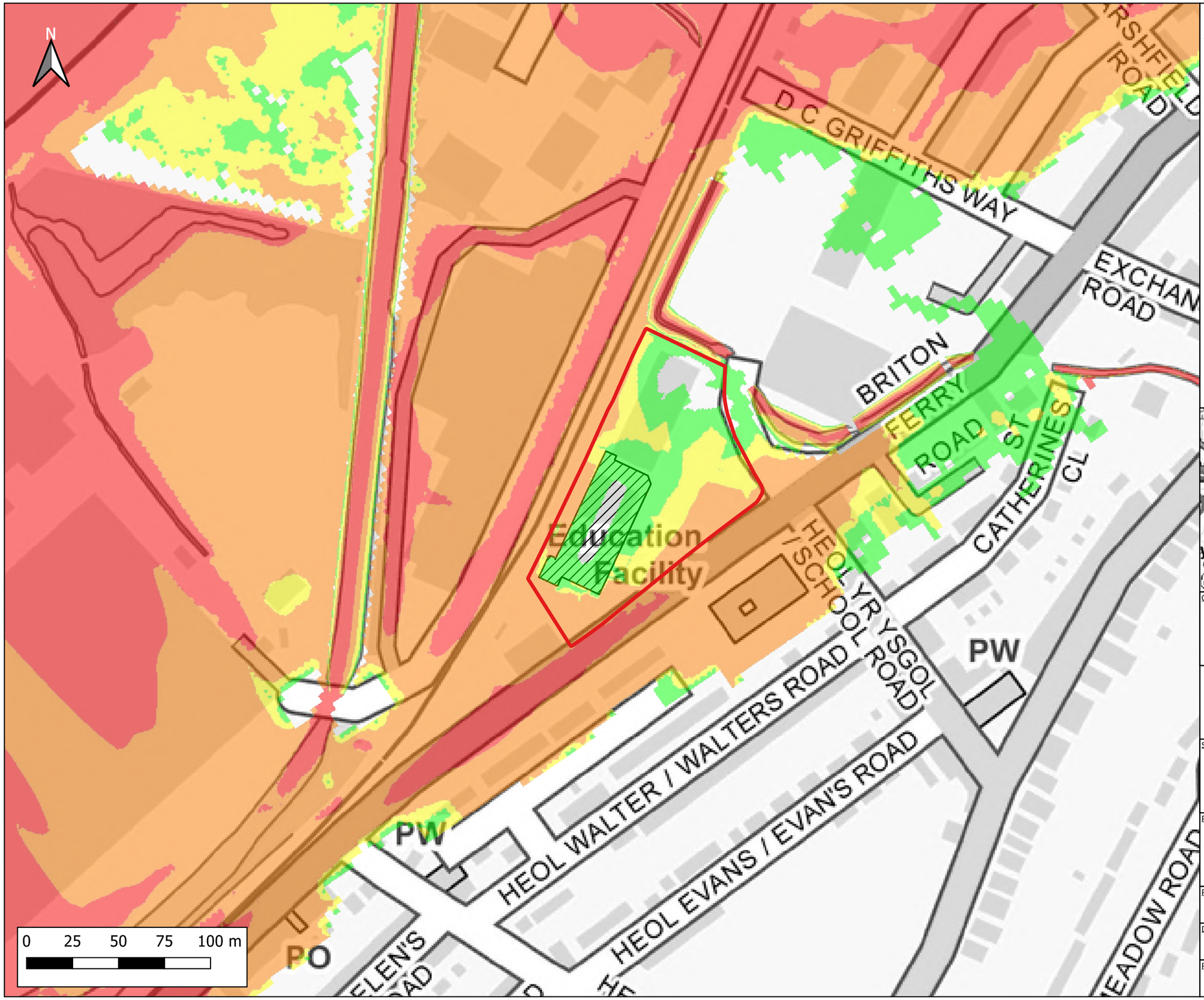
Maximum Flood Hazard
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:			DATE:
FINAL			17-11-2022
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_EXG_NC_HZ	-

0 25 50 75 100 m

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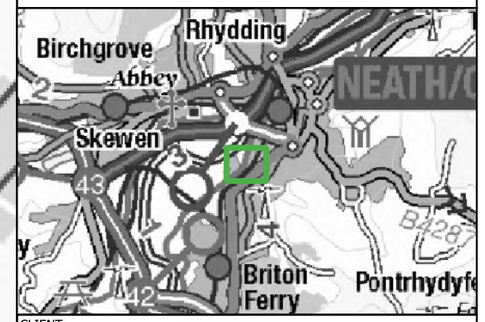
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

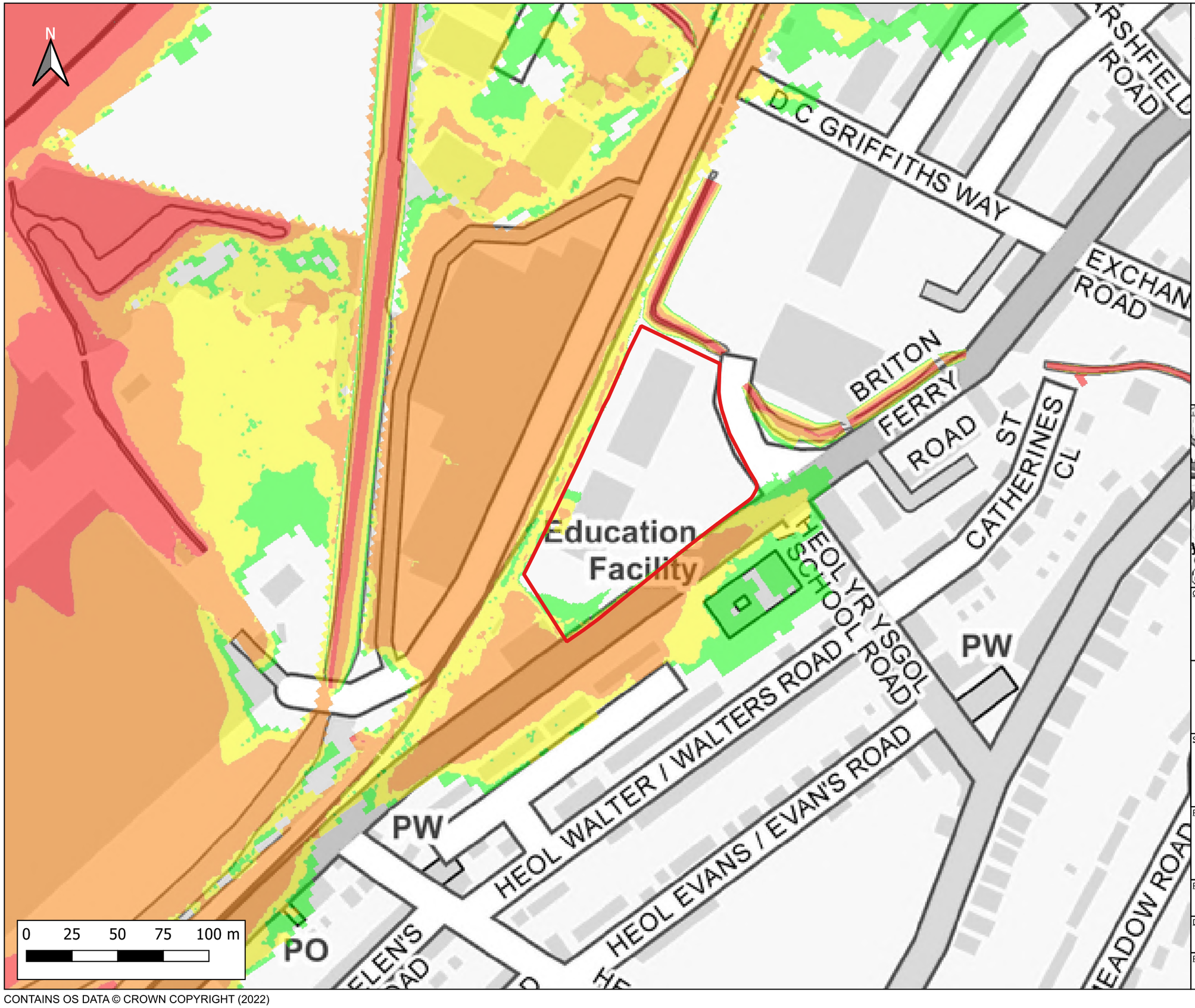
Maximum Flood Hazard
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Development Site Layout (DEV)
Normal Conditions

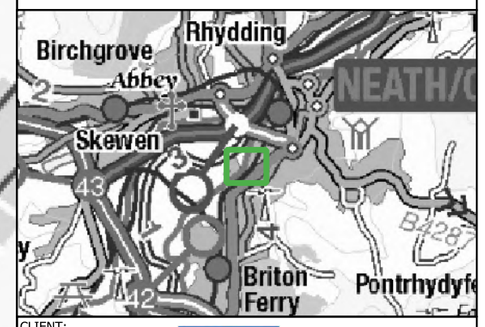
PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_DEV_NC_HZ	-

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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 Hazard Rating (FD2320)

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

CLIENT:

Lidl

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_EXG_NC_HZ	-

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N

D C GRIFFITHS WAY

RSHFIELD ROAD

EXCHAN ROAD

BRITON FERRY ROAD

ST CATHERINES CL

Education Facility

HEOL TOLCHAN

YR YSGOL

HEOL WALTER / WALTERS ROAD

HEOL EVANS / EVAN'S ROAD

MEADOW ROAD

PW

PW

PO

0 25 50 75 100 m

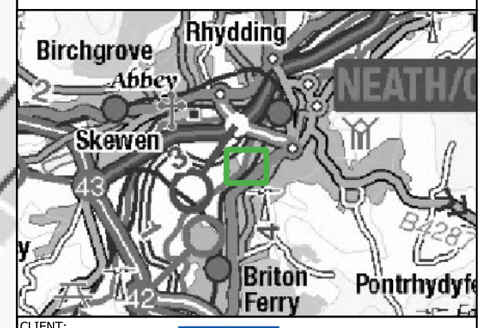
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

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:
Lidl, Briton Ferry Road, Neath

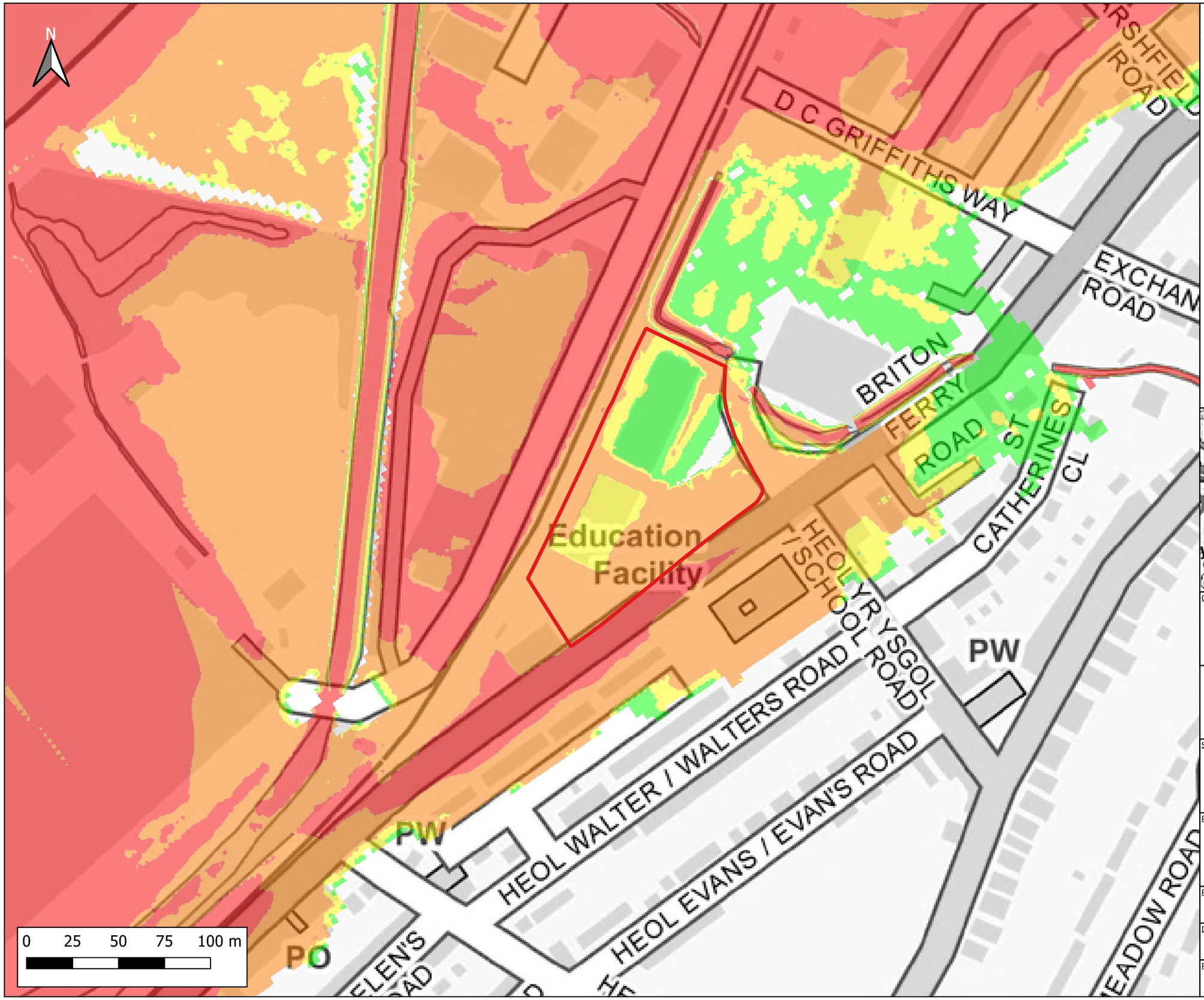
PLOT TITLE:
Maximum Flood Hazard
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_DEV_NC_HZ	-

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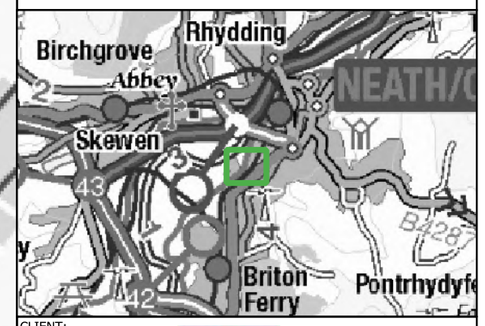
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

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www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

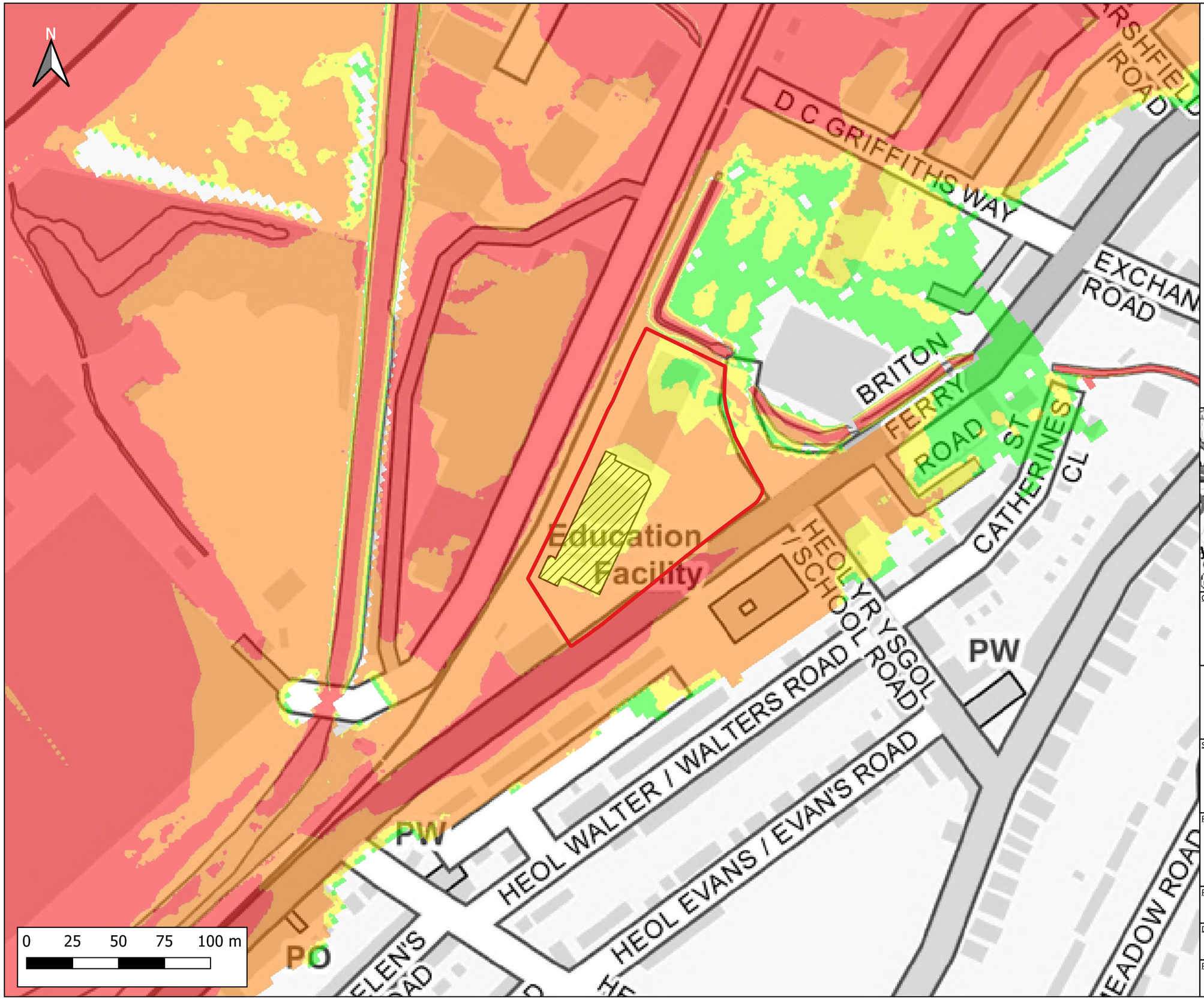
Maximum Flood Hazard
50%+CC30 AEP Plus 0.1% AEP Tidal Event 2100
Existing Site Layout (EXG)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_EXG_NC_HZ	-

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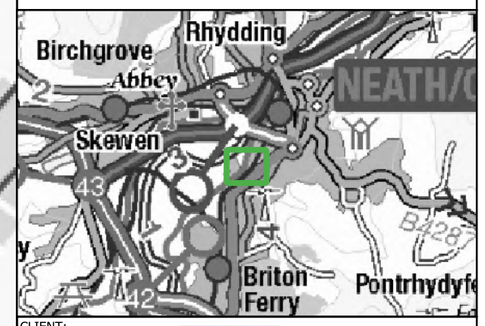
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- Proposed Store Extension

Maximum Flood Hazard Rating (FD2320)

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



CLIENT:

www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

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

PLOT STATUS:	DATE:
FINAL	17-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_DEV_NC_HZ	-

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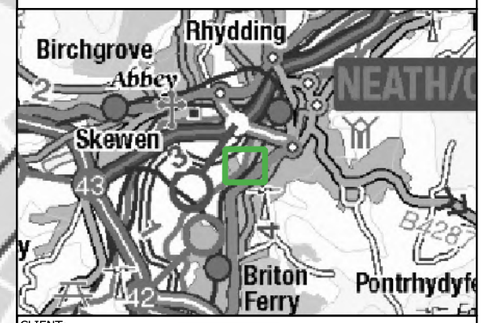
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- \+ Maximum Water Level (m AOD)

Maximum Flood Depth

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



CLIENT:

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www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

Maximum Water Level
50%+CC30 AEP Plus 0.5% AEP Tidal Event 2100
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	16-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T200_2100_EXG_NC_h	-

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N

D C GRIFFITHS WAY

BRITON FERRY ROAD

HEOL WALTER / WALTERS ROAD

HEOL EVANS / EVAN'S ROAD

6.70

6.70

6.70

Education Facility

PW

PW

PO

0 25 50 75 100 m

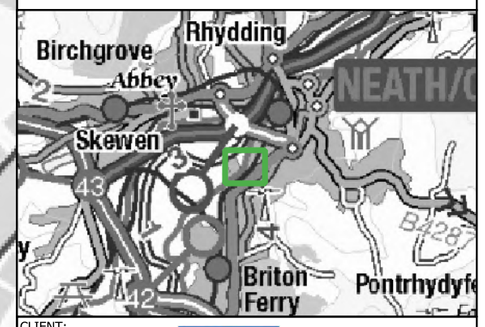
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- \+ Maximum Water Level (m AOD)

Maximum Flood Depth

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



CLIENT:

LIDL

waterco
www.waterco.co.uk

SCHEME:

Lidl, Briton Ferry Road, Neath

PLOT TITLE:

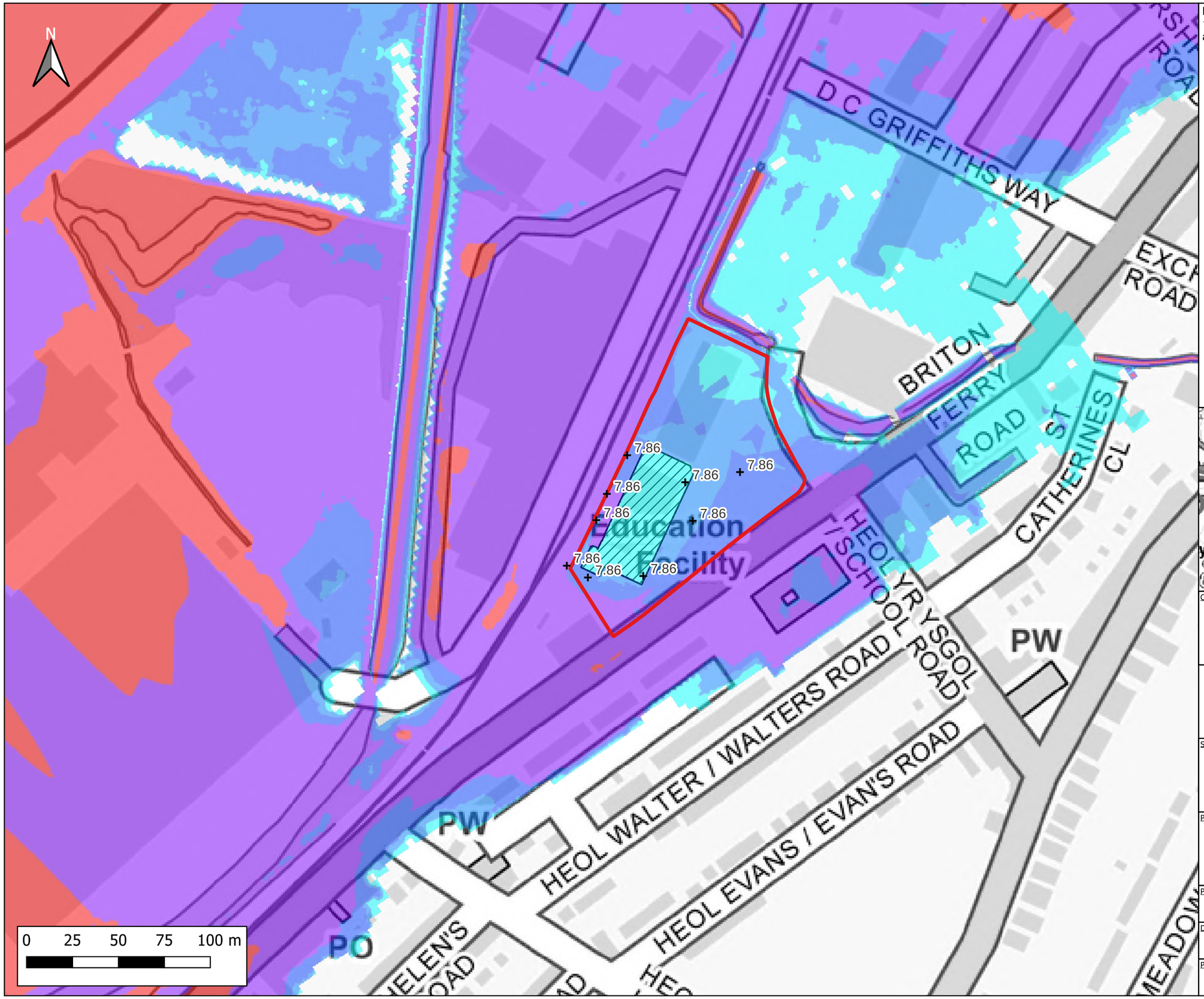
Maximum Water Level
50% AEP Plus 0.1% AEP Tidal Event 2022
Development Site Layout (DEV)
Normal Conditions

PLOT STATUS:	DATE:
FINAL	16-11-2022

DRAWN:	CHECKED:	APPROVED:	PLOT SCALE AT A3:
IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2_T1000_EXG_NC_h	-

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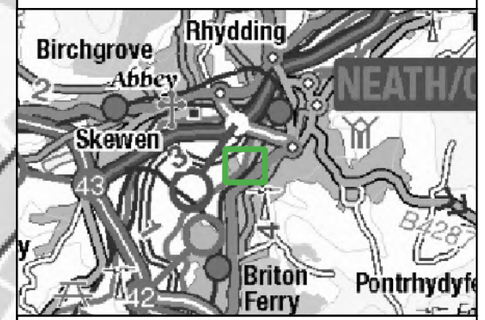
Notes:
1) All dimensions are in metres and all levels in metres above Ordnance Datum unless stated otherwise

LEGEND

- Site Boundary
- \+ Maximum Water Level (m AOD)

Maximum Flood Depth

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



CLIENT: Lidl

waterco
www.waterco.co.uk

SCHEME:
Lidl, Briton Ferry Road, Neath

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

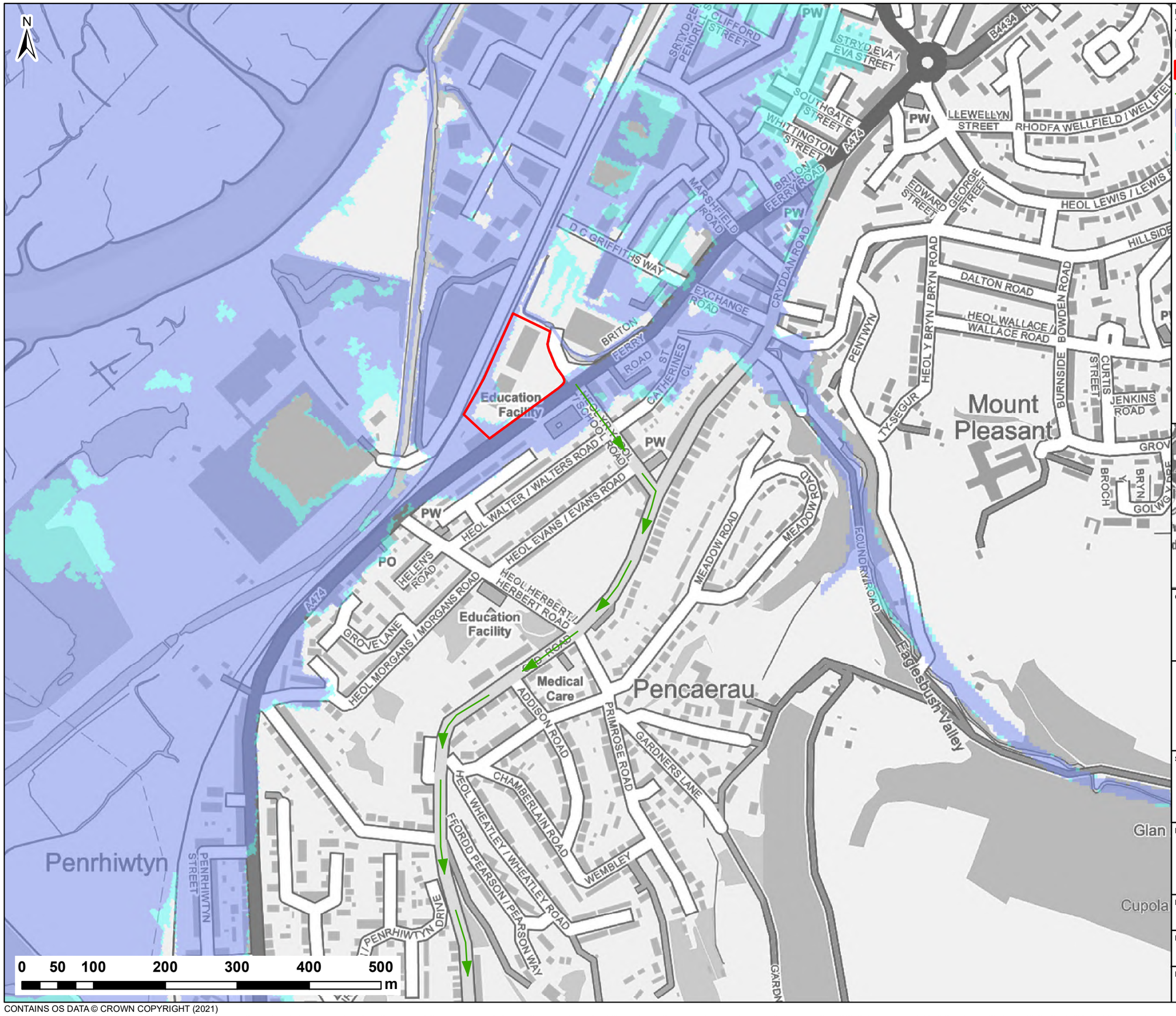
PLOT STATUS:	DATE:
FINAL	16-11-2022

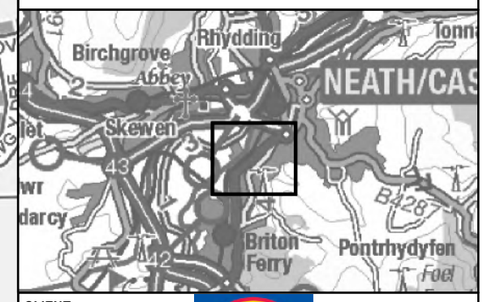
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IH	AP	AW	1:2000

PLOT NAME:	REVISION:
13099_Q2CC30_T1000_2100_DEV_NC_h	-

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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:

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: 13099-Flood_Evacuation_Plan

REV: -

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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:	22nd 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

Summary of Results for 100 year Return Period (+40%)

Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Volume (m³)	Status
15 min Summer	9.603	0.203	8.7	233.9	O K
30 min Summer	9.687	0.287	8.7	329.7	O K
60 min Summer	9.785	0.385	8.7	443.0	Flood Risk
120 min Summer	9.854	0.454	8.7	522.2	Flood Risk
180 min Summer	9.898	0.498	8.7	572.2	Flood Risk
240 min Summer	9.927	0.527	8.7	606.6	Flood Risk
360 min Summer	9.964	0.564	8.7	648.1	Flood Risk
480 min Summer	9.981	0.581	8.7	668.7	Flood Risk
600 min Summer	9.989	0.589	8.7	677.7	Flood Risk
720 min Summer	9.994	0.594	8.7	682.9	Flood Risk
960 min Summer	9.997	0.597	8.7	686.5	Flood Risk
1440 min Summer	9.991	0.591	8.7	679.3	Flood Risk
2160 min Summer	9.969	0.569	8.7	654.9	Flood Risk
2880 min Summer	9.946	0.546	8.7	627.9	Flood Risk
4320 min Summer	9.902	0.502	8.7	577.6	Flood Risk
5760 min Summer	9.863	0.463	8.7	532.4	Flood Risk
7200 min Summer	9.826	0.426	8.7	490.4	Flood Risk
8640 min Summer	9.796	0.396	8.7	455.9	Flood Risk
10080 min Summer	9.773	0.373	8.7	428.5	Flood Risk

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Summer	108.361	0.0	220.4	17
30 min Summer	77.080	0.0	317.2	32
60 min Summer	52.560	0.0	454.9	62
120 min Summer	31.899	0.0	552.4	122
180 min Summer	23.953	0.0	622.1	182
240 min Summer	19.570	0.0	677.5	240
360 min Summer	14.700	0.0	762.6	360
480 min Summer	11.980	0.0	827.7	480
600 min Summer	10.212	0.0	880.8	570
720 min Summer	8.958	0.0	925.7	620
960 min Summer	7.276	0.0	998.6	748
1440 min Summer	5.421	0.0	1101.3	1010
2160 min Summer	4.050	0.0	1279.3	1428
2880 min Summer	3.312	0.0	1393.5	1848
4320 min Summer	2.530	0.0	1590.5	2680
5760 min Summer	2.118	0.0	1790.6	3512
7200 min Summer	1.871	0.0	1976.6	4256
8640 min Summer	1.704	0.0	2158.4	5016
10080 min Summer	1.586	0.0	2336.5	5752

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Summary of Results for 100 year Return Period (+40%)

Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Volume (m³)	Status
15 min Winter	9.603	0.203	8.7	233.8	O K
30 min Winter	9.687	0.287	8.7	329.6	O K
60 min Winter	9.785	0.385	8.7	442.4	Flood Risk
120 min Winter	9.854	0.454	8.7	521.6	Flood Risk
180 min Winter	9.897	0.497	8.7	571.6	Flood Risk
240 min Winter	9.927	0.527	8.7	606.1	Flood Risk
360 min Winter	9.964	0.564	8.7	648.3	Flood Risk
480 min Winter	9.983	0.583	8.7	670.2	Flood Risk
600 min Winter	9.992	0.592	8.7	680.5	Flood Risk
720 min Winter	9.994	0.594	8.7	683.6	Flood Risk
960 min Winter	9.992	0.592	8.7	681.3	Flood Risk
1440 min Winter	9.978	0.578	8.7	664.4	Flood Risk
2160 min Winter	9.939	0.539	8.7	619.5	Flood Risk
2880 min Winter	9.895	0.495	8.7	569.4	Flood Risk
4320 min Winter	9.799	0.399	8.7	458.8	Flood Risk
5760 min Winter	9.718	0.318	8.7	366.0	Flood Risk
7200 min Winter	9.659	0.259	8.7	298.1	O K
8640 min Winter	9.616	0.216	8.7	248.4	O K
10080 min Winter	9.585	0.185	8.6	213.2	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Winter	108.361	0.0	220.4	17
30 min Winter	77.080	0.0	317.2	31
60 min Winter	52.560	0.0	454.9	62
120 min Winter	31.899	0.0	552.5	120
180 min Winter	23.953	0.0	622.2	178
240 min Winter	19.570	0.0	677.5	236
360 min Winter	14.700	0.0	762.7	350
480 min Winter	11.980	0.0	827.8	462
600 min Winter	10.212	0.0	880.9	570
720 min Winter	8.958	0.0	925.9	672
960 min Winter	7.276	0.0	998.9	768
1440 min Winter	5.421	0.0	1102.4	1080
2160 min Winter	4.050	0.0	1279.4	1536
2880 min Winter	3.312	0.0	1393.7	1988
4320 min Winter	2.530	0.0	1592.0	2812
5760 min Winter	2.118	0.0	1791.2	3576
7200 min Winter	1.871	0.0	1976.8	4256
8640 min Winter	1.704	0.0	2158.8	4936
10080 min Winter	1.586	0.0	2337.7	5640

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Rainfall Details

Rainfall Model	FEH
Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 274659 196480 SS 74659 96480
Data Type	Point
Summer Storms	Yes
Winter Storms	Yes
Cv (Summer)	1.000
Cv (Winter)	1.000
Shortest Storm (mins)	15
Longest Storm (mins)	10080
Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.881

Time (mins) From	To:	Area (ha)
0	2	0.881

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Model Details

Storage is Online Cover Level (m) 10.000

Tank or Pond Structure

Invert Level (m) 9.400

Depth (m)	Area (m²)	Depth (m)	Area (m²)
0.000	1150.0	0.600	1150.0

Hydro-Brake® Optimum Outflow Control

Unit Reference	MD-SHE-0142-8700-0600-8700
Design Head (m)	0.600
Design Flow (l/s)	8.7
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	142
Invert Level (m)	9.395
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1200

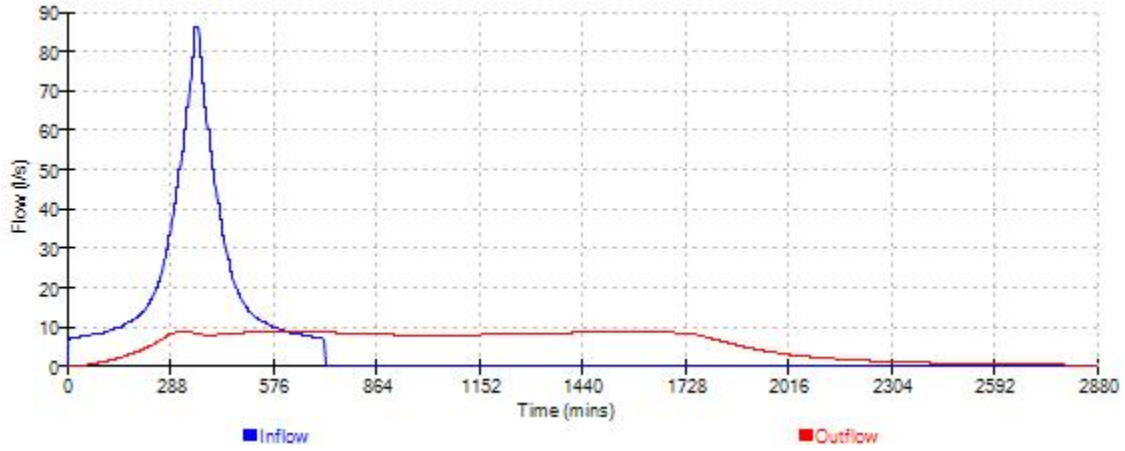
Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.600	8.7
Flush-Flo™	0.225	8.7
Kick-Flo®	0.450	7.6
Mean Flow over Head Range	-	7.2

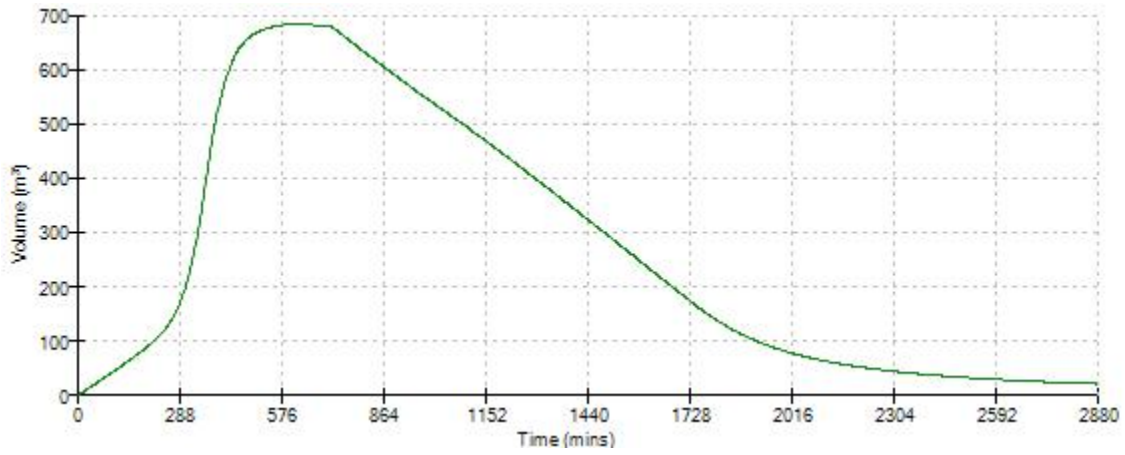
The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

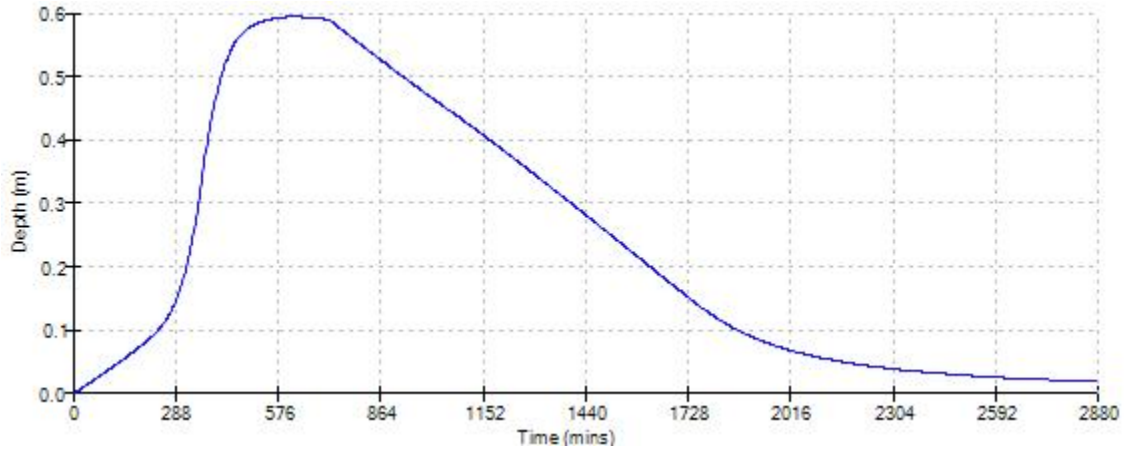
Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.1	1.600	13.8	5.000	23.8
0.200	8.7	1.800	14.6	5.500	24.9
0.300	8.6	2.000	15.4	6.000	26.0
0.400	8.1	2.200	16.1	6.500	26.9
0.500	8.0	2.400	16.8	7.000	28.0
0.600	8.7	2.600	17.4	7.500	28.9
0.800	10.0	3.000	18.6	8.000	29.9
1.000	11.1	3.500	20.1	8.500	30.8
1.200	12.0	4.000	21.4	9.000	31.7
1.400	13.0	4.500	22.6	9.500	32.6

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Event: 720 min Summer

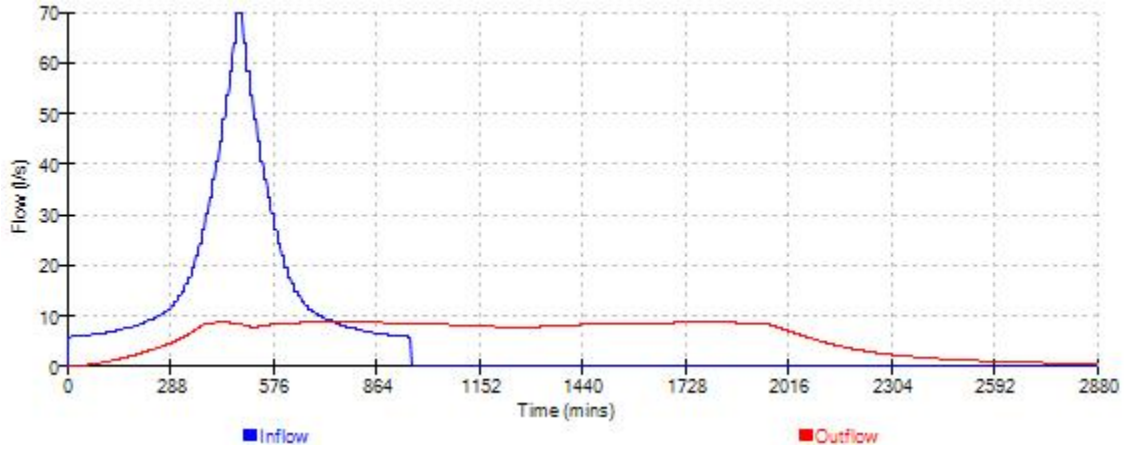


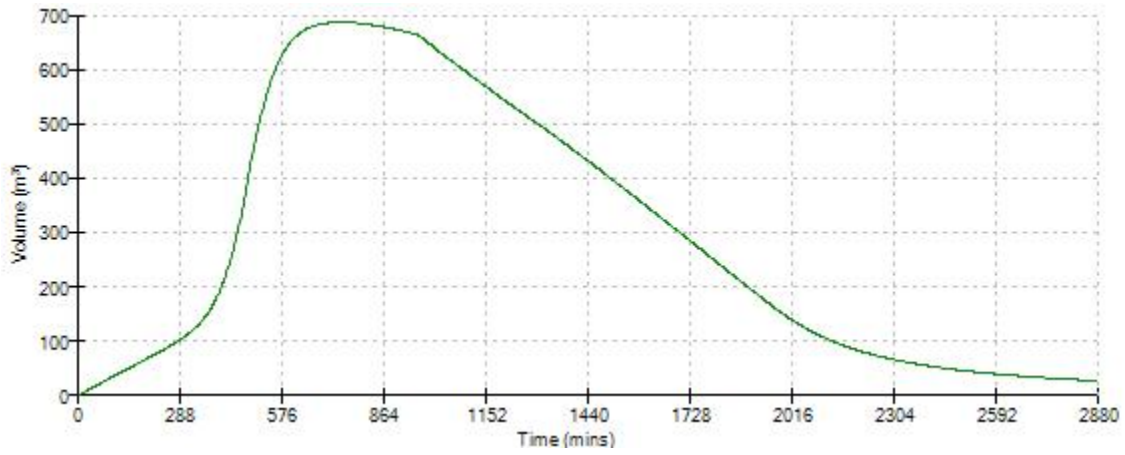


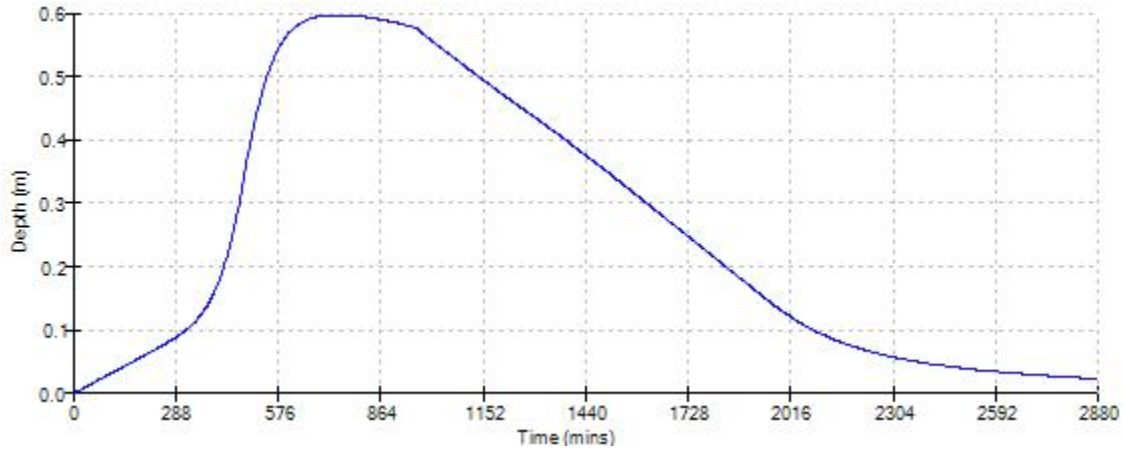


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Event: 960 min Summer

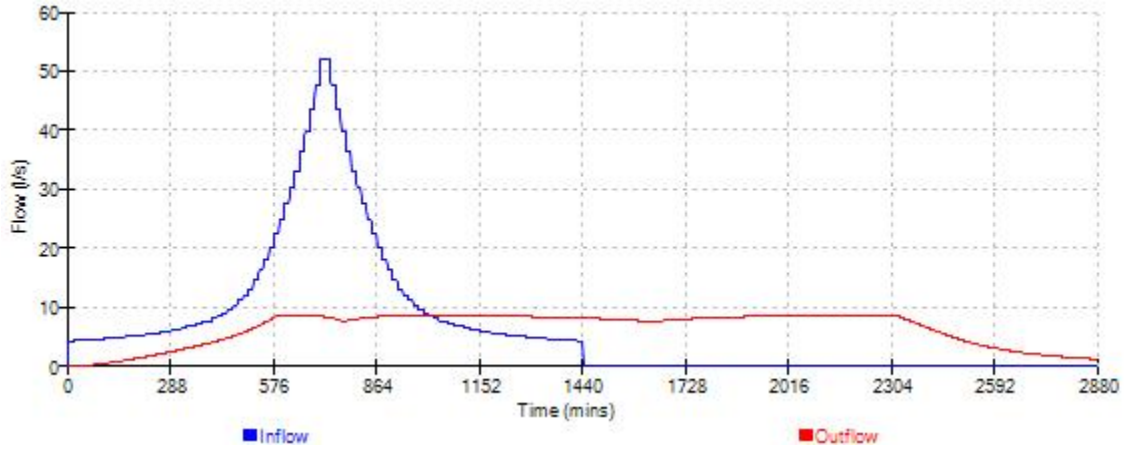


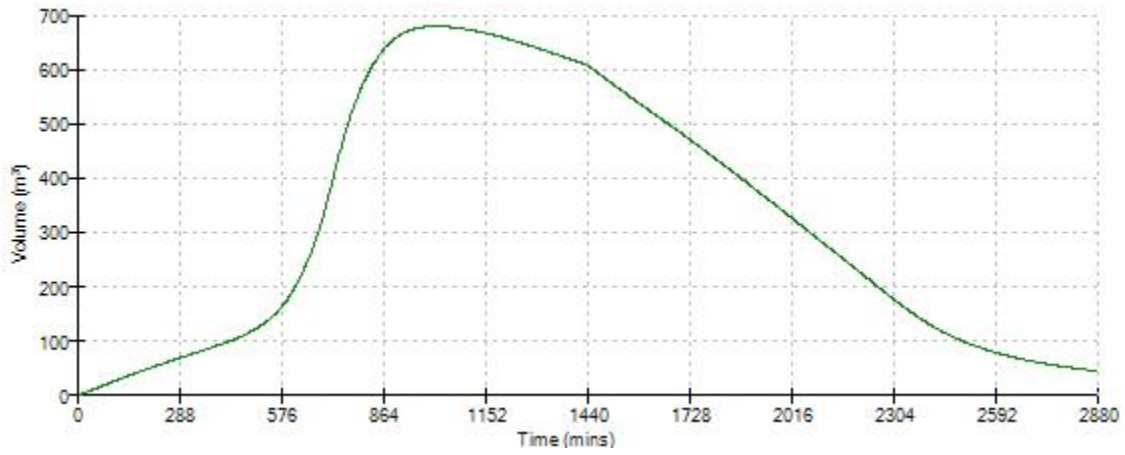


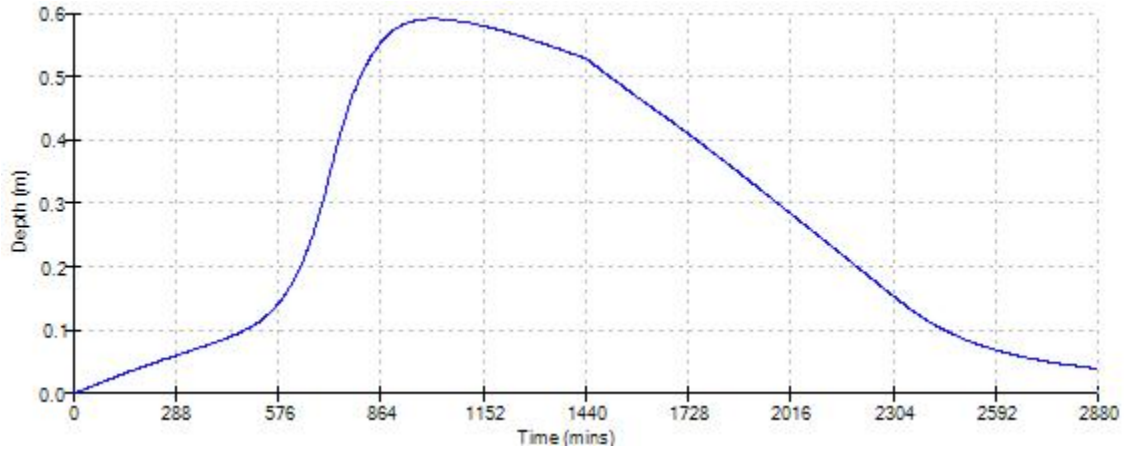


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Event: 1440 min Summer







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Appendix L Maintenance Schedules

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 glyphospate 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 M Concept Designer's Risk Assessment

CONCEPT DESIGNER'S RISK ASSESSMENT

Project:	Lidl, Briton Ferry Road, Neath	**Project No:**	13099
Client:	Lidl GmbH		
Report Reference:	FCA & Drainage Strategy		

Prepared by:	Anthony Jones	**Date:**	21/10/2021
Checked by:	Johanne Williams	**Date:**	22/10/2021
Reviewed by:	Aled Williams	**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	