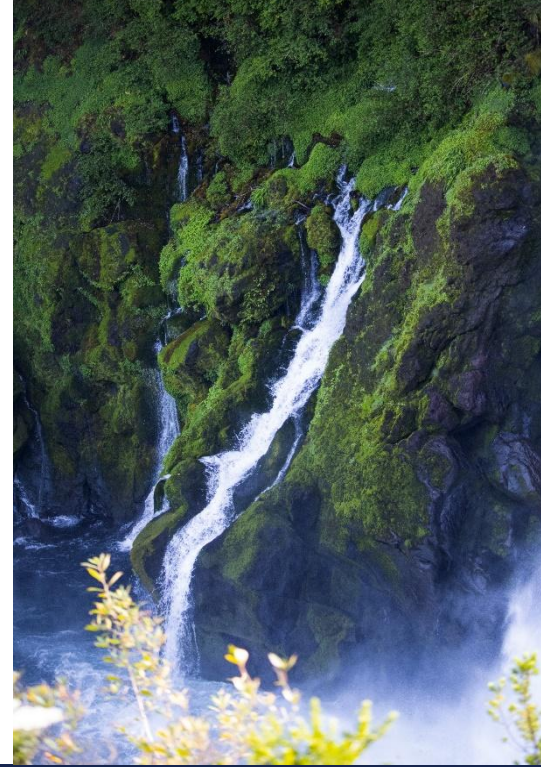




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Flood Risk Assessment AEG8743_RH15_BurgessHill_01

Site Address: 4 Marlborough Drive
Burgess Hill
Mid Sussex
RH15 0EU

UK Experts in Flood Modelling, Flood Risk
Assessments, and Surface Water Drainage Strategies

degadea
water, civils and environment

Document Issue Record

Project: Flood Risk Assessment

Prepared for: Adam Hills

Reference: AEG8743_RH15_BurgessHill_01

Site Location: 4 Marlborough Drive, Burgess Hill, Mid Sussex, RH15 0EU

Issue	Date	Author	Check	Auth.	Comments
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Summary

Development Description	Existing	Proposed
Development Type	Residential dwelling	The construction of a two-storey front extension with changes to the fenestration of the existing dwelling.
EA Vulnerability Classification	More Vulnerable	More Vulnerable
Ground Floor Level	The EA LiDAR data shows the ground elevation of the site varies between approximately 46.41m AOD and 47.16m AOD.	No Change. FFLs of extension to remain as per existing FFLs
Level of Sleeping Accommodation	First Floor	Ground Floor
Site Size	c.370m ²	No change
Risk to Development	Summary	Comment
EA Flood Zone	Flood Zone 1	The site and proposed development are considered to be at low risk from all analysed sources of flooding.
SFRA Available	Level 1 Strategic Flood Risk Assessment (Mid Sussex District Council, 2024) and Strategic Flood Risk Assessment Level 1 (Mid Sussex District Council, 2015)	
Management Measures	Summary	Comment
Ground floor level above extreme flood levels	Yes	Proposed development is located outside all mapped modelled flood extents (fluvial and pluvial) assessed within this FRA.
Safe Access/Egress Route	N/A ¹	Given the proposals are of a minor development, access/egress arrangements should remain as per existing
Flood Resilient Design	N/A ¹	The site and proposed development are considered to be at low risk from

Flood Warning and Evacuation Plan		all analysed sources of flooding; thus, no mitigation is required.
	N/A ¹	Recommended that occupier monitor Met Office Weather Warnings for extreme weather events.
Offsite Impacts	Summary	Comment
Displacement of floodwater	Negligible	Paragraph 051 of the Flood Risk and Coastal Change Planning Practice Guidance (PPG) states minor development is unlikely to result in flood water displacement. Development is also outside all modelled fluvial and pluvial events.
Increase in surface run-off generation	Negligible	Small scale SuDS could be included such as rainwater planters and water butts to reduce run off from development and provide a betterment on existing.
Impact on hydraulic performance of channels	None	The Eastern Adur flows c.40m west of the site.

¹ not required for this assessment

² data not available.

1. Introduction

- 1.1. Aegaea were commissioned by Adam Hills to undertake a Flood Risk Assessment (FRA) to facilitate a planning application for the proposed development. This FRA has been prepared in accordance with the requirements set out in the National Planning Policy Framework (NPPF) and the associated Planning Practice Guidance.
- 1.2. This FRA is intended to support a full planning application and as such the level of detail included is commensurate and subject to the nature of the proposals.

Site Overview

- 1.3. The site of the proposed development is 4 Marlborough Drive, Burgess Hill, Mid Sussex, RH15 0EU (Figure 1).

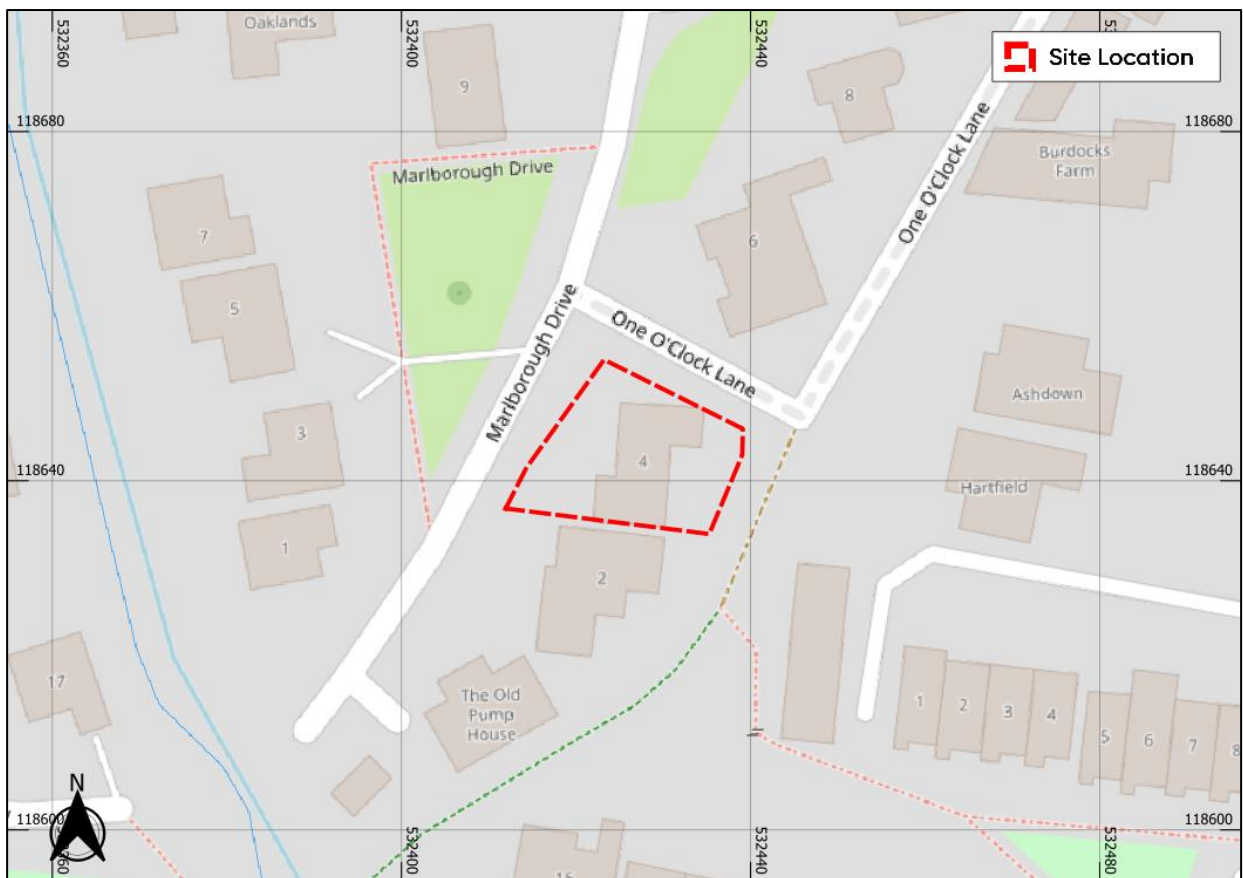


Figure 1: Site Location (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors)

- 1.4. The client has submitted a planning application for the construction of a two-storey front extension with changes to the fenestration of the existing dwelling. Plans are attached in Appendix A.
- 1.5. In the absence of a topographical survey, Environment Agency Light Detection and Ranging (LiDAR) data Digital Terrain Model has been used to review the topography of the site (Figure 2). The LiDAR data shows the ground elevation of the site varies between approximately 46.41m AOD (metres Above Ordnance Datum) and 47.16m AOD. Analysis of topographic levels indicates that the site generally slopes with a fall to the west.

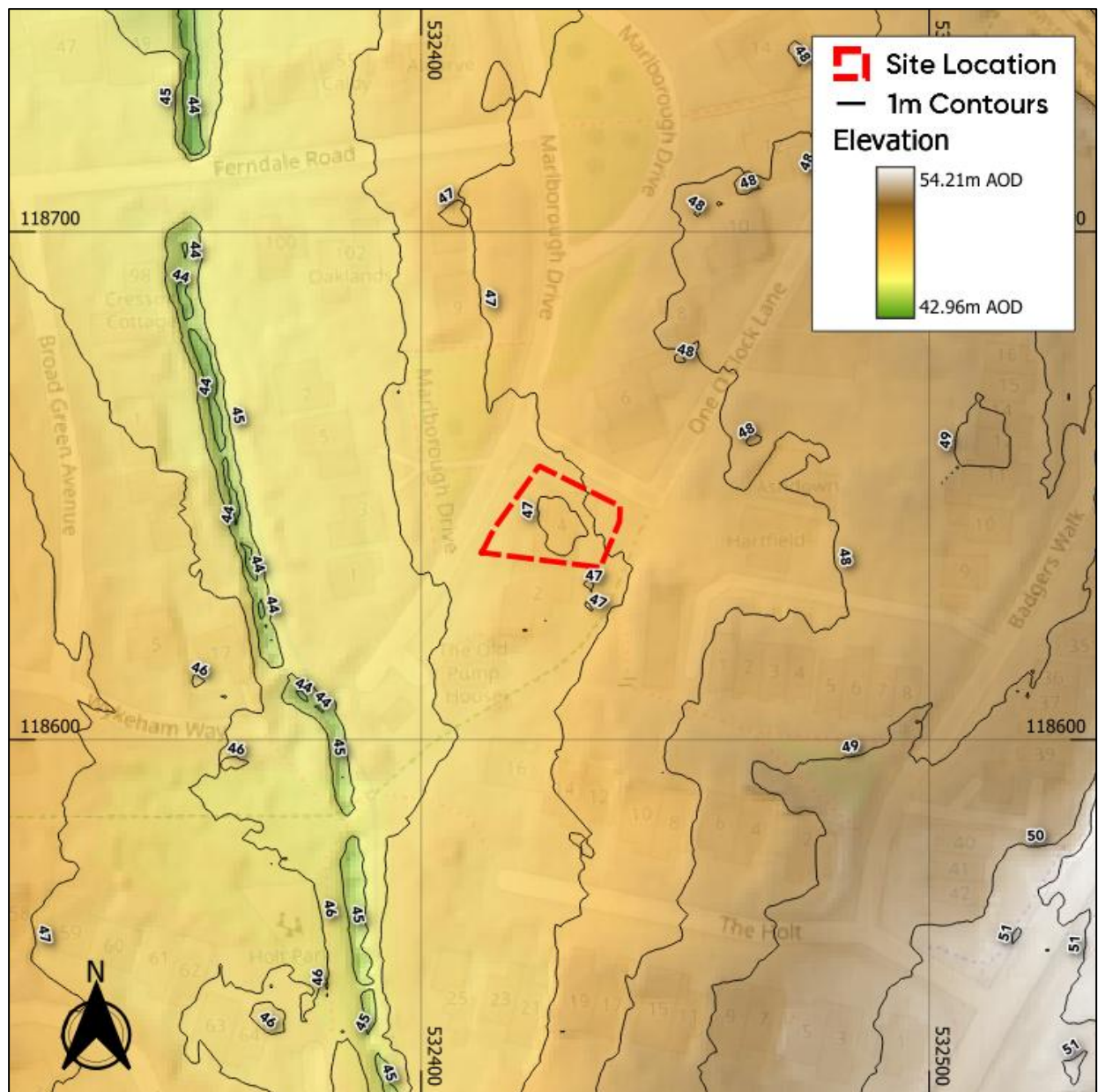


Figure 2: Site Topography (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

- 1.6. Mid Sussex District Council is the Local Planning Authority (LPA) for the site and West Sussex County Council is the designated Lead Local Flood Authority (LLFA). The site sits within the Environment Agency's Solent and South Downs region.

Planning Policy and Guidance

1.7. UK government planning guidance states¹ that an FRA is required for developments which are:

- *in flood zone 2 or 3 including minor development and change of use*
- *more than 1 hectare (ha) in flood zone 1*
- *less than 1 ha in flood zone 1, including a change of use in development type to a more vulnerable class (for example from commercial to residential), where they could be affected by sources of flooding other than rivers and the sea (for example surface water drains, reservoirs)*
- *in an area within flood zone 1 which has critical drainage problems as notified by the Environment Agency*

1.8. It is understood that Mid Sussex District Council (MSDC) have invalidated the application, stating:

"Because a portion of the site falls within area at risk for surface water flooding, please provide a Flood Risk Assessment"

1.9. Thus, an FRA has been prepared to validate the planning application.

1.10. The objective of this FRA is to demonstrate that the proposals are acceptable in terms of flood risk. This report summarises the findings of the study and specifically addresses the following issues in the context of the current legislative regime:

- Fluvial/tidal flood risk
- Surface water flood risk
- Risk of flooding from other sources

¹ <https://www.gov.uk/guidance/flood-risk-assessment-for-planning-applications#when-you-need-an-assessment>

2. Planning Policy

- 2.1. Inappropriate development in a flood risk area could pose significant risk in terms of personal safety and damage to property for the occupiers of the development or for people elsewhere. The approach taken in the assessment of flood risk at the planning stage is set out in national, regional, and local planning policy and associated guidance. This section summarises the key policies and guidance relevant to the proposed development.

National Planning Policy Framework (NPPF)

- 2.2. The National Planning Policy Framework² (NPPF) (MHCLG, 2024) which includes UK Government policy on development and flood risk states:

170. Inappropriate development in areas at risk of flooding should be avoided by directing development away from areas at highest risk (whether existing or future). Where development is necessary in such areas, the development should be made safe for its lifetime without increasing flood risk elsewhere.

181. When determining any planning applications, local planning authorities should ensure that flood risk is not increased elsewhere. Where appropriate, applications should be supported by a site-specific flood-risk assessment. Development should only be allowed in areas at risk of flooding where, in the light of this assessment (and the sequential and exception tests, as applicable) it can be demonstrated that:

- a) within the site, the most vulnerable development is located in areas of lowest flood risk, unless there are overriding reasons to prefer a different location;*
- b) the development is appropriately flood resistant and resilient such that, in the event of a flood, it could be quickly brought back into use without significant refurbishment;*
- c) it incorporates sustainable drainage systems, unless there is clear evidence that this would be inappropriate;*

² <https://www.gov.uk/guidance/national-planning-policy-framework>, last updated Dec 2024

- d) any residual risk can be safely managed; and
- e) safe access and escape routes are included where appropriate, as part of an agreed emergency plan.

176. Applications for some minor development and changes of use should also not be subject to the sequential test, nor the exception test [set out below], but should still meet the requirements for site-specific flood risk assessments set out in footnote 63.

2.3. Paragraph 051 of the Flood Risk and Coastal Change Planning Practice Guidance (PPG) states:

Minor development means:

- minor non-residential extensions (industrial/commercial/leisure etc): extensions with a floorspace not in excess of 250 square metres.
- alterations: development that does not increase the size of buildings, e.g. alterations to external appearance.
- householder development: for example, sheds, garages, games rooms etc within the curtilage of the existing dwelling, **in addition to physical extensions to the existing dwelling itself**. This definition excludes any proposed development that would create a separate dwelling within the curtilage of the existing dwelling (e.g. subdivision of houses into flats) or any other development with a purpose not incidental to the enjoyment of the dwelling.

2.4. As such, the proposal would be considered a Minor Development under the PPG.

2.5. Footnote 63 of the NPPF states:

A site-specific flood risk assessment should be provided for all development in Flood Zones 2 and 3. In Flood Zone 1, an assessment should accompany all proposals involving: sites of 1 hectare or more; land which has been identified by the Environment Agency as having critical drainage problems; land identified in a strategic flood risk assessment as being at increased flood risk in future; or land that may be subject to other sources of flooding, where its development would introduce a more vulnerable use.

2.6. Flood Zones in England are defined as follows:

Table 1: Flood Zone Definitions

Flood Zone	Definition
Zone 1 Low Probability	Land having less than 1 in 1,000 annual probability of river or sea flooding (all land outside Zones 2 and 3).
Zone 2 Medium Probability	Land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding; or land having between a 1 in 200 and 1 in 1,000 annual probability of sea flooding.
Zone 3a High Probability	Land having a 1 in 100 or greater annual probability of river flooding; or Land having a 1 in 200 or greater annual probability of sea flooding.
Zone 3b The Functional Floodplain	This zone comprises land where water from rivers or the sea has to flow or be stored in times of flood. The identification of functional floodplain should take account of local circumstances and not be defined solely on rigid probability parameters. Functional floodplain will normally comprise: land having a 3.3% or greater annual probability of flooding, with any existing flood risk management infrastructure operating effectively; or land that is designed to flood (such as a flood attenuation scheme), even if it would only flood in more extreme events (such as 0.1% annual probability of flooding). Local planning authorities should identify in their Strategic Flood Risk Assessments areas of functional floodplain and its boundaries accordingly, in agreement with the Environment Agency. (Not separately distinguished from Zone 3a on the Flood Map)

- 2.7. An FRA should be appropriate to the scale, nature, and location of the development. It should identify and assess the risk from all sources of flooding to and from the development and demonstrate how any flood risks will be managed over the lifetime of the development.
- 2.8. An assessment of hydrological impacts should be undertaken, including to surface water runoff and impacts to drainage networks in order to demonstrate how flood risk to others will be managed following development and taking climate change into account.

Local Plan

- 2.9. The Local Plan prepared by the Local Planning Authority, Mid Sussex District Council, sets out the policies for development in the local area.
- 2.10. Policy DP41 Flood Risk and Drainage outlines the requirements for new development within the area. It states:

Strategic Objectives:

- 1. To promote development that makes the best use of resources and increases the sustainability of communities within Mid Sussex, and its ability to adapt to climate change; and*
- 2. To support sustainable communities which are safe, healthy and inclusive.*

Evidence Base:

Gatwick Sub Region Water Cycle Study; Strategic Flood Risk Assessment; Water. People. Places SuDS guidance.

Proposals for development will need to follow a sequential risk-based approach, ensure development is safe across its lifetime and not increase the risk of flooding elsewhere. The District Council's Strategic Flood Risk Assessment (SFRA) should be used to identify areas at present and future flood risk from a range of sources including fluvial (rivers and streams), surface water (pluvial), groundwater, infrastructure and reservoirs. Particular attention will be paid to those areas of the District that have experienced flooding in the past and proposals for development should seek to reduce the risk of flooding by achieving a reduction from existing run-off rates.

Sequential and Exception Tests

- 2.11. The Sequential and Exception Tests are applied in specific cases defined by UK Government policy. Their purpose is to drive development to areas of low flood risk and to support developments which improve flood risk for developments in areas at risk of flooding.
- 2.12. Under the NPPF, all new planning applications should undergo a Sequential Test in accordance with Paragraph 172. This test should be implemented by local planning authorities with a view to location; particularly vulnerable new developments outside of the floodplain.

2.13. However, Paragraph 176 of the NPPF states:

*176. Applications for some **minor development** and change of use should also not be subject to the sequential test, but should still meet the requirements for site-specific flood risk assessments set out in footnote 63.*

2.14. As such, a site-specific Sequential and Exception Test for the proposed Minor Development is not considered necessary in line with the NPPF.

Summary

2.15. This flood risk assessment has been prepared with due consideration to the above local and national policy.

3. Document Review

Documents and Online Mapping

- 3.1. Local Governments and Lead Local Flood Authorities provide documents which contain data and policies on flood risk and new development in their areas. These documents are introduced and briefly summarised below. For the purposes of this FRA, these documents have been reviewed for relevant information and any relevant data is discussed within the appropriate sub heading of this report.
- 3.2. The following sources of information have been reviewed for this assessment:
- Flood Map for Planning on the Environment Agency website <https://flood-map-for-planning.service.gov.uk/>
 - Long Term Flood Risk Information on the Environment Agency website <https://www.gov.uk/check-long-term-flood-risk>
 - National Planning Policy Framework (NPPF) (Ministry of Housing, Communities and Local Government, 2024)
 - Planning Practice Guidance - Flood Risk and Coastal Change (Ministry of Housing, Communities and Local Government, 2022)
 - Geoindex Onshore (British Geological Survey, 2024)
 - Mid Sussex District Plan 2014-2031 (Mid Sussex District Council, 2018)³
 - Preliminary Flood Risk Assessment Addendum (West Sussex County Council, 2017)⁴ and West Sussex Preliminary Flood Risk Assessment (West Sussex County Council, 2011)⁵

³ <https://www.midsussex.gov.uk/media/3406/mid-sussex-district-plan.pdf>

⁴ https://assets.publishing.service.gov.uk/media/5acc9b9140f0b64ff0e694b0/PFRA_West_Sussex_County_Council_2017.pdf

⁵ https://www.westsussex.gov.uk/media/1626/west_sussex_pfra.pdf

- Level 1 Strategic Flood Risk Assessment (Mid Sussex District Council, 2024)⁶ and Strategic Flood Risk Assessment Level 1 (Mid Sussex District Council, 2015)⁷
- West Sussex Local Flood Risk Management Strategy (2013-2018) (West Sussex County Council, 2014)⁸

Preliminary Flood Risk Assessment (PFRA)

- 3.3. The PFRA, published in 2011 and 2017, is a high-level appraisal of flood risk across Lead Local Flood Authority West Sussex County Council. The flood risk from all sources, including fluvial, surface water, groundwater, and surcharged sewers is evaluated. It is the basis upon which the Local Flood Risk Management Strategy is produced.
- 3.4. The PFRA summarises historical flood incidents in West Sussex County Council. The site is not recorded as having been affected by any flood event.

Strategic Flood Risk Assessment (SFRA)

- 3.5. The SFRA, published in 2015 and 2024, provides the evidence base for the Local Planning Authority Mid Sussex District Council Local Plan and guidance for consideration when determining planning applications. The SFRA seeks to place new development into areas of lower flood risk taking into account current flood risk, future flood risk, and the effect a proposed development would have on the risk of flooding.
- 3.6. The SFRA mapping provided by Mid Sussex District Council has been used throughout production of this report as a source of information, particularly pertaining to historical flood incidents.

Local Flood Risk Management Strategy (LFRMS)

- 3.7. The Local Flood Risk Management Strategy sets out roles and responsibilities for flood risk management, assesses the risk of flooding in the area, where funding can be found to manage flood risk, and the policies, objectives, and actions of the Lead Local Flood Authority.

⁶ <https://www.midsussex.gov.uk/media/sl2jkh0z/env11-strategic-flood-risk-assessment-level-1-2024.pdf>

⁷ <https://www.midsussex.gov.uk/media/2609/strategic-flood-risk-assessment.pdf>

⁸ https://www.westsussex.gov.uk/media/1595/local_flood_risk_management_strategy.pdf

- 3.8. The West Sussex County Council LFRMS is used within this report to identify any flood management infrastructure and historical incidences of flooding.

4. Sources of Flood Risk

Fluvial/Tidal

- 4.1. Flooding from watercourses arises when flows exceed the capacity of the channel, or where a restrictive structure is encountered, resulting in water overtopping the banks into the floodplain.
- 4.2. Tidal flooding occurs when a high tide and high winds combine to elevate sea levels. An area behind coastal flood defences can still flood if waves overtop the defences or break through them. Tidal flooding can also occur a long way from the coast by raising river levels.

Main Rivers and Ordinary Watercourses

- 4.3. The Eastern Adur flows c.40m west of the site and is the closest classified EA main river to the site.
- 4.4. There are no other mapped watercourses within close proximity to the site, as per OS mapping.

EA Flood Map for Planning

- 4.5. The EA Flood Map for Planning shows the site is located with Flood Zone 1 (Figure 3).
- 4.6. Flood Zone 1 shows land having less than 1 in 1,000 annual probabilities of river and tidal flooding (all land outside Zones 2 and 3).

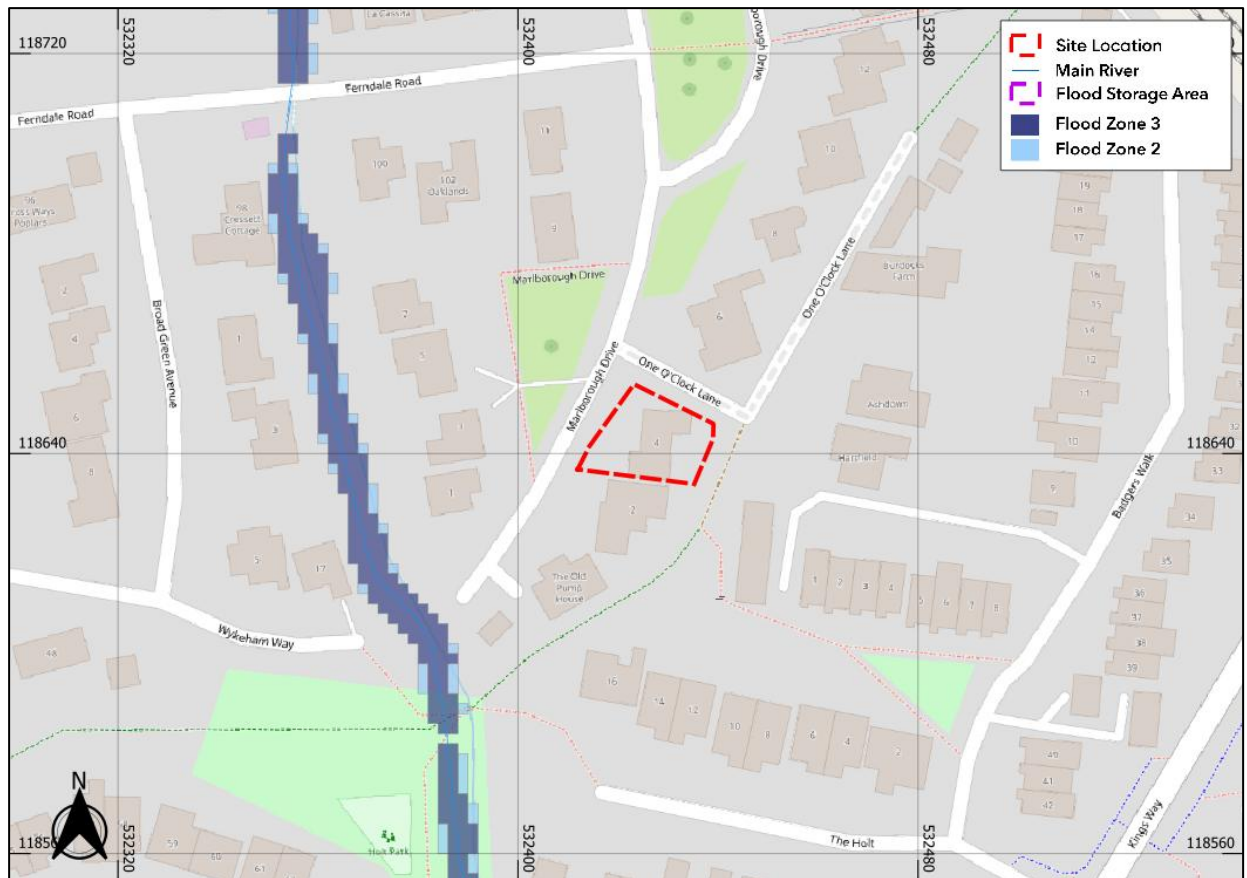


Figure 3: EA Flood Map for Planning (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

Historical Fluvial/Tidal Flooding

- 4.7. According to the EA Recorded and Historical Flood Mapping, there has been no recorded historical flood events on or in the vicinity of the site (Figure 4).

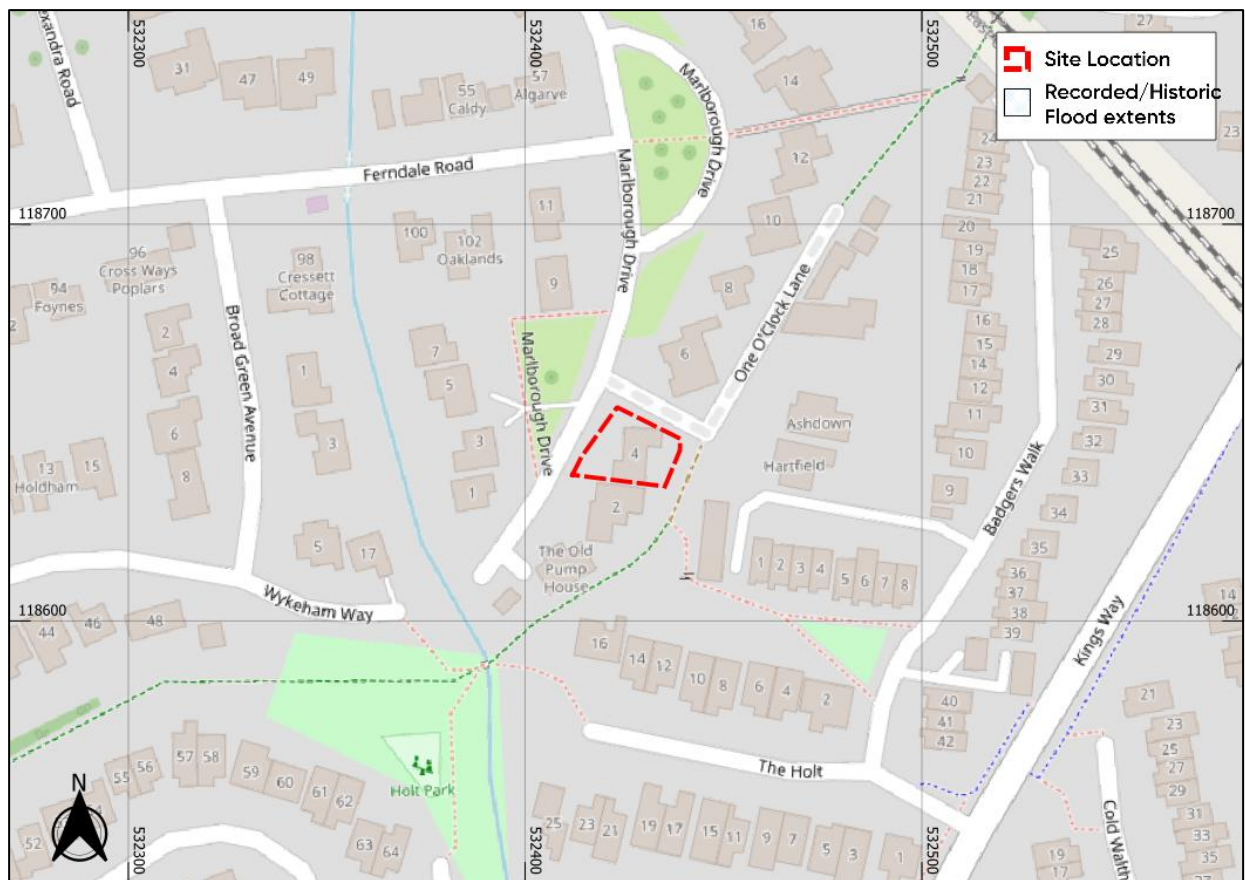


Figure 4: EA Historic Flood Mapping (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

Fluvial/Tidal Risk Summary

- 4.8. Based on the EA Flood Map for planning, the site is considered to be at a low risk of both tidal and fluvial flooding.

Canals

- 4.9. The Canal and River Trust (CRT) generally maintains canal levels using reservoirs, feeders, and boreholes and manages water levels by transferring it within the canal system.
- 4.10. According to CRT mapping⁹ there are no canals identified within 1km of the site.

⁹ <https://canalrivertrust.org.uk/canals-and-rivers>

4.11. The risk of flooding to this site from canals is considered to be low.

Pluvial

4.12. Pluvial flooding can occur during prolonged or intense storm events when the infiltration potential of soils, or the capacity of drainage infrastructure is overwhelmed leading to the accumulation of surface water and the generation of overland flow routes.

4.13. The National Flood Risk Assessment (NaFRA2), published in January 2025, has updated the Risk of Flooding from Surface Water (RoFSW) products which show the chance of flooding from surface water to areas of land.

4.14. The RoFSW products are an assessment of where surface water flooding may occur when rainwater does not drain away through the normal drainage systems or soak into the ground but lies on or flows over the ground instead. It includes information about flooding extents and depths including the potential impact of climate change on flood risk, based on the latest UK Climate Projections (UKCP18).

4.15. Risk is displayed as one of three likelihood categories:

- High - greater than or equal to 1 in 30 (3.3%) chance of flooding in any year.
- Medium - Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance of flooding in any given year.
- Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1000 (0.1%) chance of flooding in any given year.

4.16. The RoFSW depth mapping shows the annual chance of flooding (based on the three risk categories listed above) beyond a specific depth, for depths at the following intervals from 20cm to 120cm:

- 0.2m, 0.3m, 0.6m, 0.9m, 1.2m

4.17. As well as present day risk of flooding from surface water, climate change scenarios have been produced to indicate the predicted impacts of climate change on future flood risk. The climate change allowances are based on the latest UK Climate Projections (UKCP18) from the Met Office, using the Representative Concentration Pathway (RCP) 8.5. A near-term epoch (2040 – 2060 “2050s” epoch) and central allowances are being used initially, to support short and medium-term decisions informed by the highest flood likelihood projections.

RoFSW Present Day Scenario

- 4.18. The EA Online 'Flood Risk from Surface Water' map (Jan 2025) indicates that the site the majority (c.90%) of the site is outside risk areas with the southeast corner shown to be at a 'Low' risk of surface water flooding (Figure 5).
- 4.19. The proposed extension to the western elevation of the property is shown to be located outside the at risk areas.

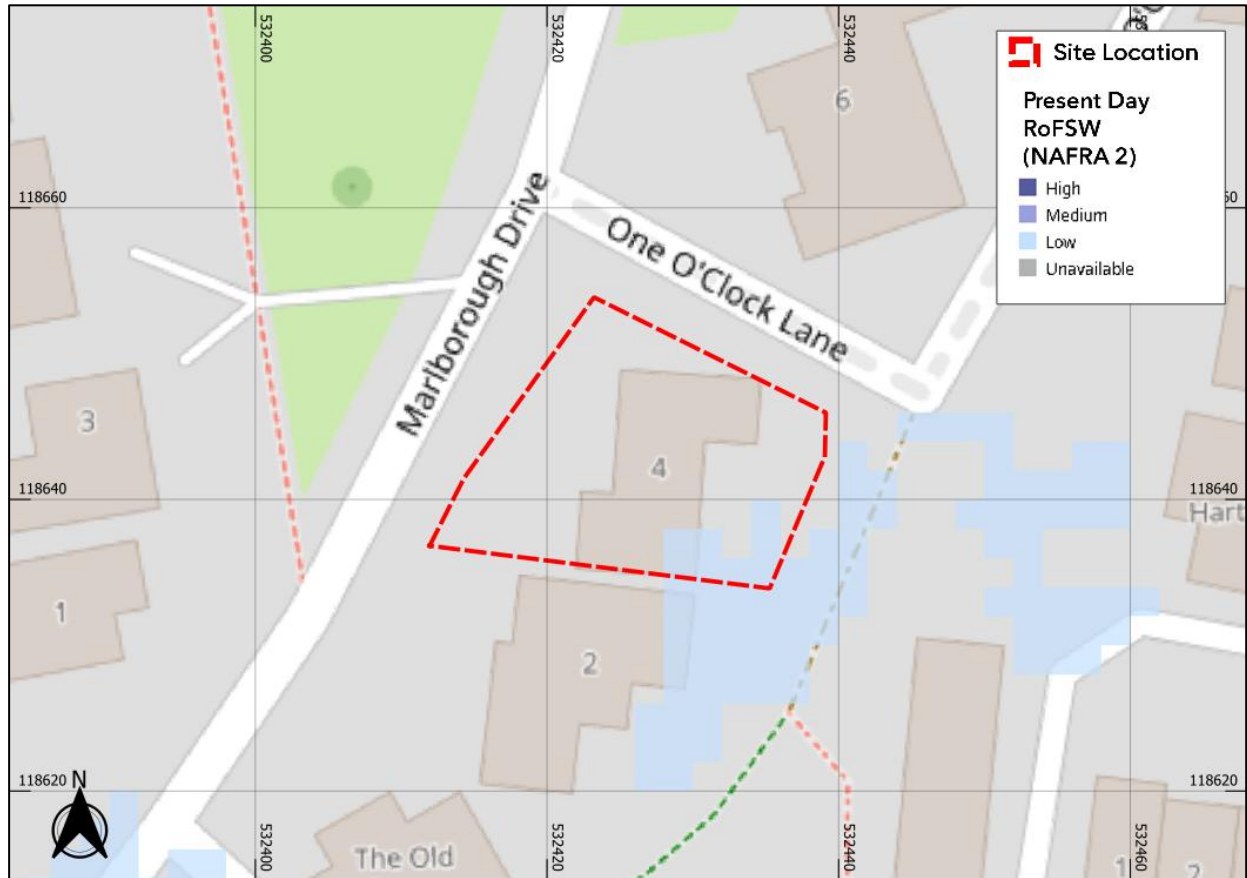


Figure 5: EA Present Day Surface Water Flood Risk Mapping (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.)

RoFSW Present Day Scenario - 0.2m

- 4.20. Analysis of the present day RoFSW flood depth map for likelihood of flood depths exceeding 0.2m shows the site and proposed extension is outside likelihood areas (Figure 6).

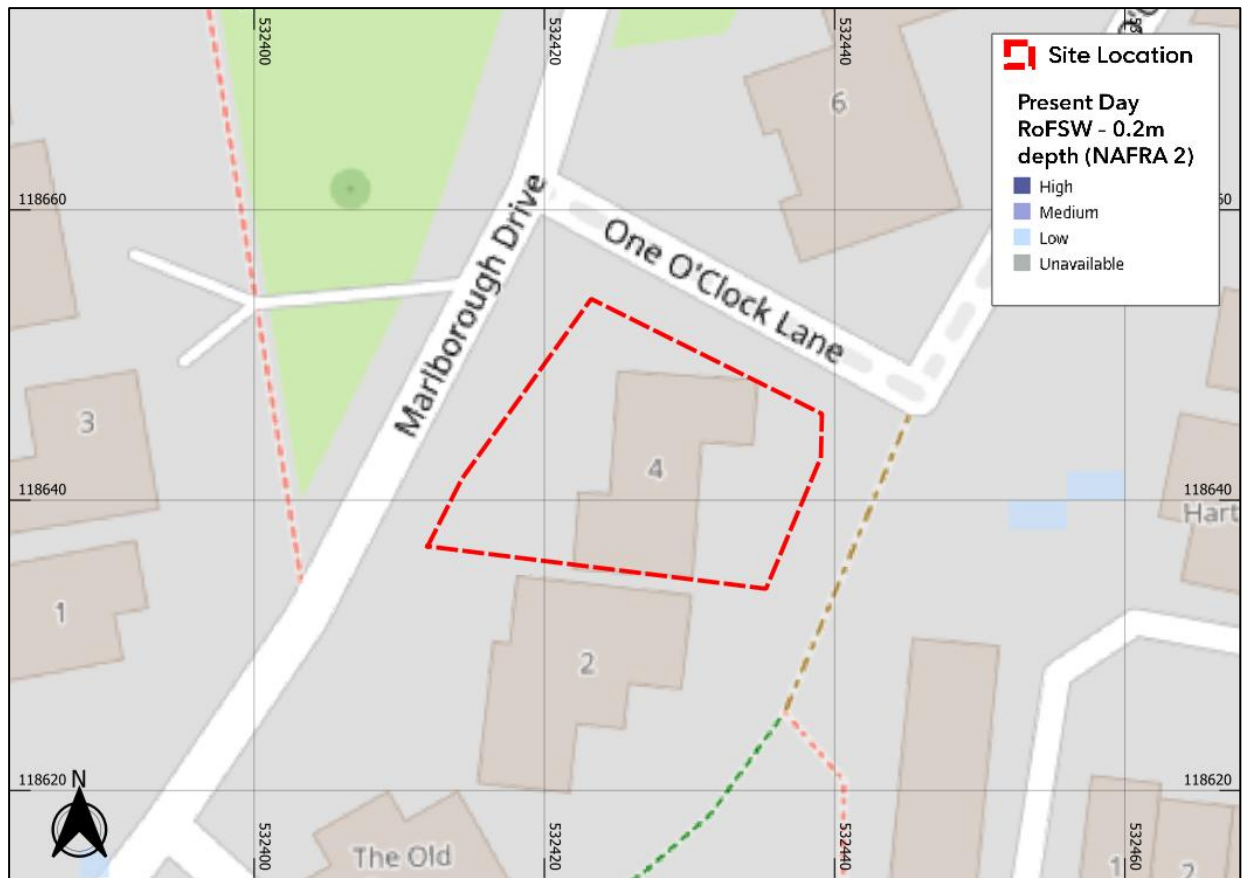


Figure 6: RoFSW Present Day Likelihood of Depths Exceeding 0.2m (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

RoFSW Climate Change Scenario

- 4.21. The 'Flood Risk from Surface Water – Climate Change' map indicates that majority (c.90%) of the site is outside risk areas with the southeast corner shown to be at a 'Low' to 'Medium' risk of surface water flooding (Figure 7).

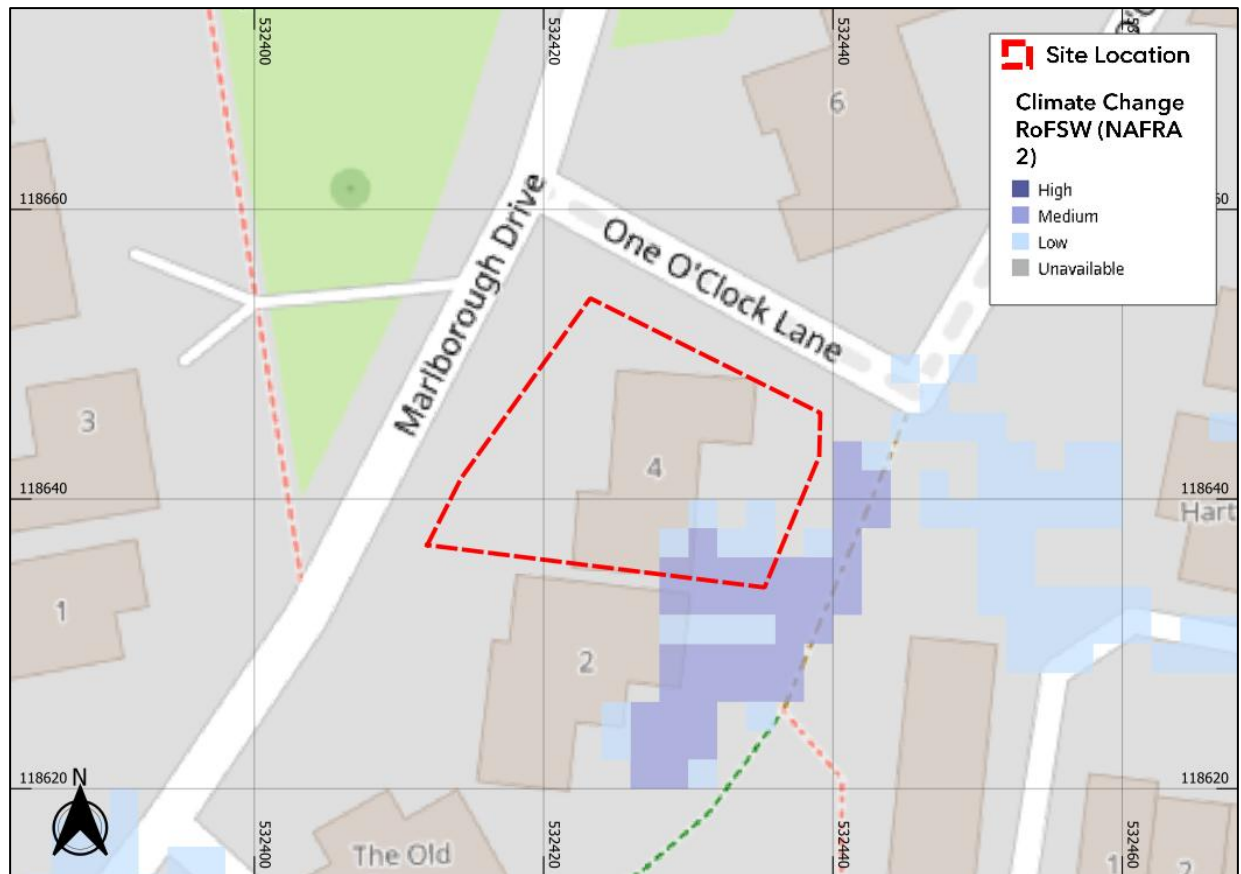


Figure 7: EA Climate Change Surface Water Flood Risk with Climate Change Mapping (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

RoFSW climate change - 0.2m

- 4.22. Analysis of the climate change RoFSW flood depth map for likelihood of flood depths exceeding 0.2m shows the site and proposed extension is outside likelihood areas (Figure 8).

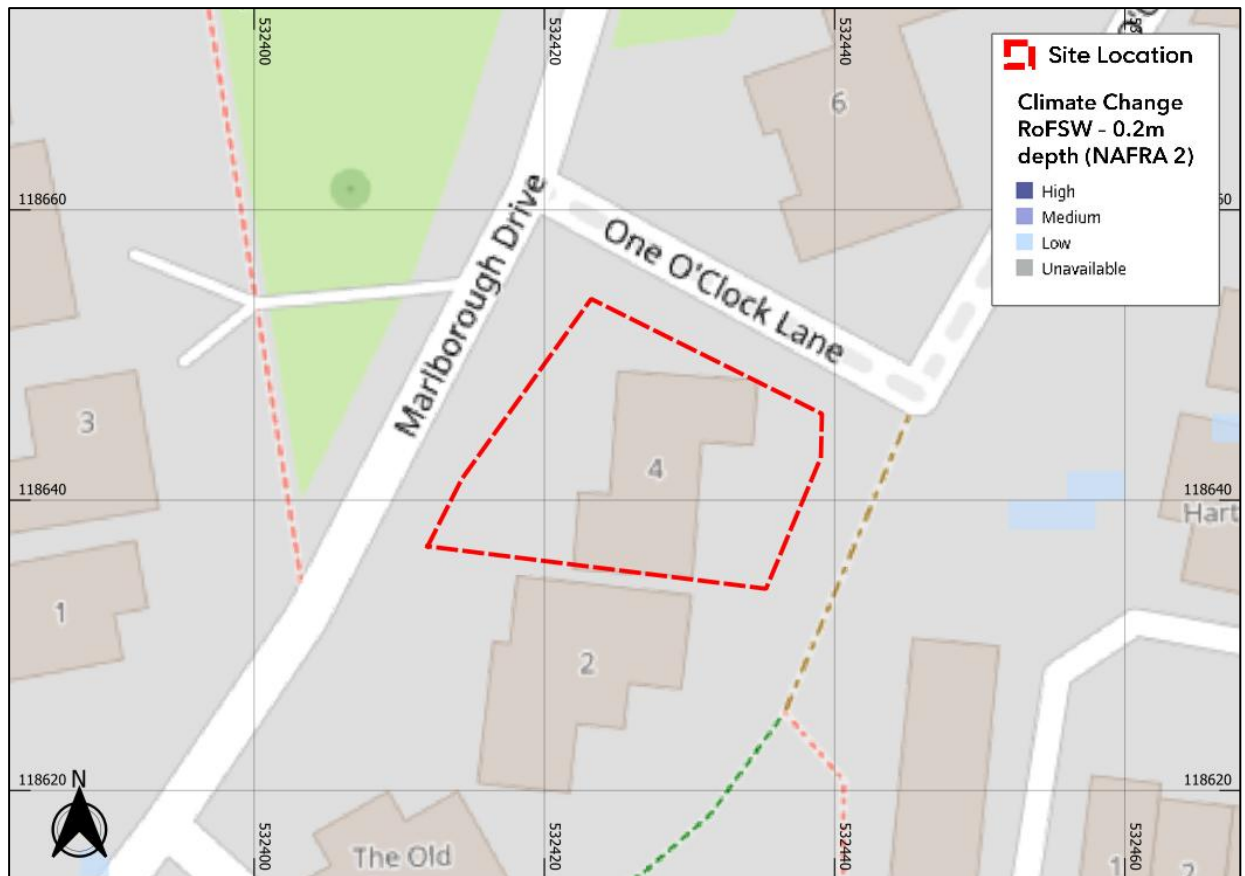


Figure 8: RoFSW Climate Change Likelihood of Depths Exceeding 0.2m (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.)

Pluvial Risk Summary

- 4.23. Based on RoFSW mapping, the site and proposed extension is located outside likelihood surface water depths, flood depths in the east of the site are predicted to remain < 0.2m, thus is considered to be at low risk.

Reservoirs

- 4.24. Large waterbodies or reservoirs that have walls built above the surrounding ground level pose a risk of flooding. Walls could fail due to old age, accident, or because excess flood water has been added to the reservoir. Although a breach is unlikely the consequences would be significant, leading to rapid inundation of the downstream floodplain.
- 4.25. According to the EA's Flood Risk from Reservoirs mapping the site is outside modelled flood extents in the event of reservoir flooding (Figure 9).

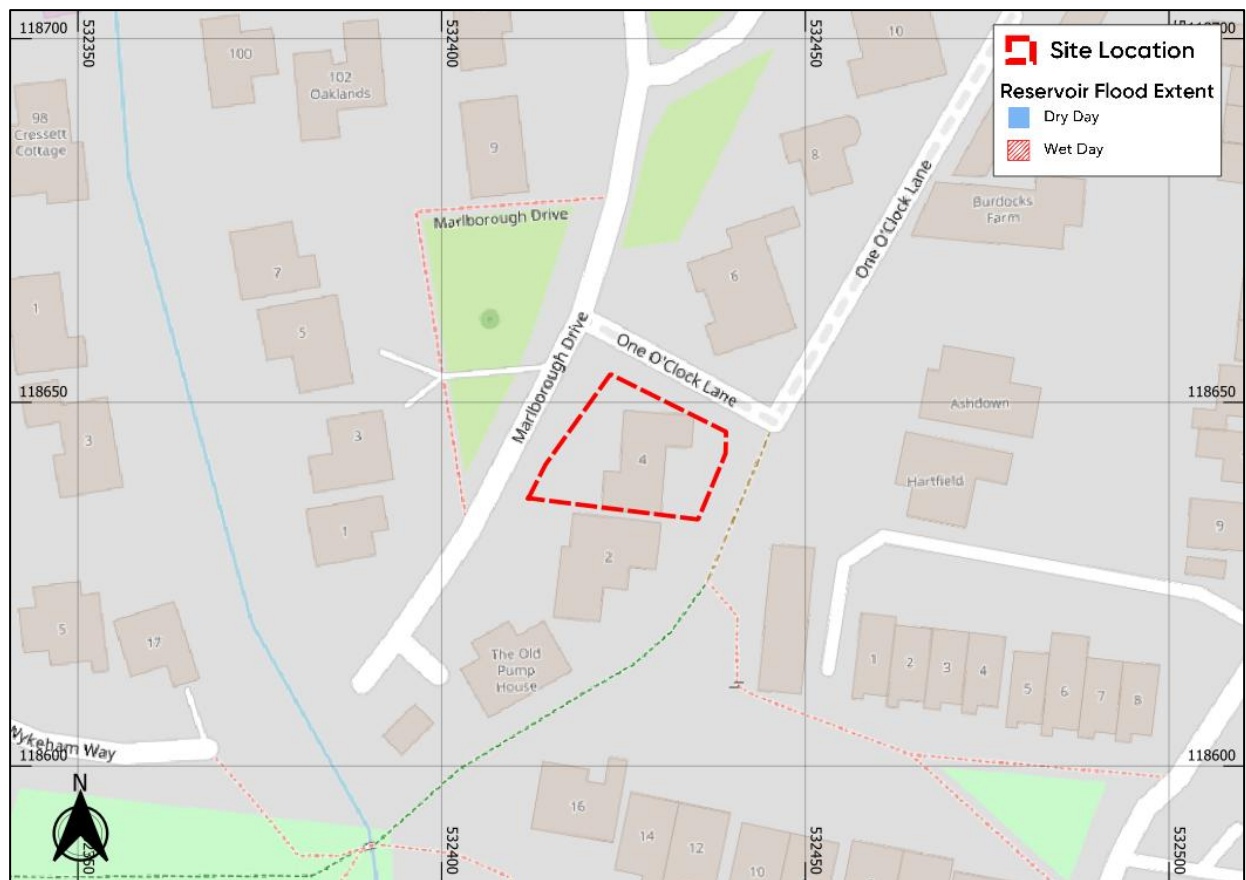


Figure 9: EA Reservoir Flood Risk Mapping (Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA).
 ©<https://www.openstreetmap.org> and contributors. Contains public sector information licensed under the Open Government Licence v3.0)

- 4.26. The site is therefore considered to be at a low risk of flooding as a result of reservoir failure.

Groundwater

- 4.27. Groundwater flooding occurs in areas where underlying geology is permeable and water can rise within the strata sufficiently to breach the surface.
- 4.28. The British Geological Survey's (BGS) mapping shows no superficial deposits underlying the site. The bedrock underlying the site is Weald Clay Formation comprised of mudstone.
- 4.29. Historical BGS borehole records show a borehole (ref: TQ31NW13) c.170m east of the site. The log shows clay deposits to a depth of 11.45m below ground level. Water was not identified as being struck.
- 4.30. The Mid Sussex District Council SFRA (2015) details the following on groundwater flooding.

- Area affected by groundwater flooding: 0.164km², 0.049% of Total Area.

- *The majority of the district is considered to have medium potential for groundwater flooding.*
- *The West Sussex Strategic Flood Risk Assessment (2010), produced by Capita Symonds on behalf of West Sussex County Council, identified a single groundwater flooding event at Cuckfield.*

4.31. Furthermore, the updated SFRA (2024) states:

It is evident that majority of Mid Sussex is considered to have a low potential for groundwater flooding as a result of the underlying geology.

4.32. Considering the information above from the 2015 and 2024 SFRAs, coupled with the fact that the development proposals are minor development, don't comprise any subterranean elements, thus the risk from groundwater flooding to the development is considered to be low.

Sewers

- 4.33. Foul or surface water sewers can be a cause of flooding if the drainage network becomes overwhelmed, either by blockage or due to local development beyond the designed capabilities of the drainage system.
- 4.34. The SFRA (2015) includes mapping of internal and external sewer incidents provided by Southern Water DG5 database. The site is located within an area identified as not being impacted by historical external sewer incidents (Figure 10).

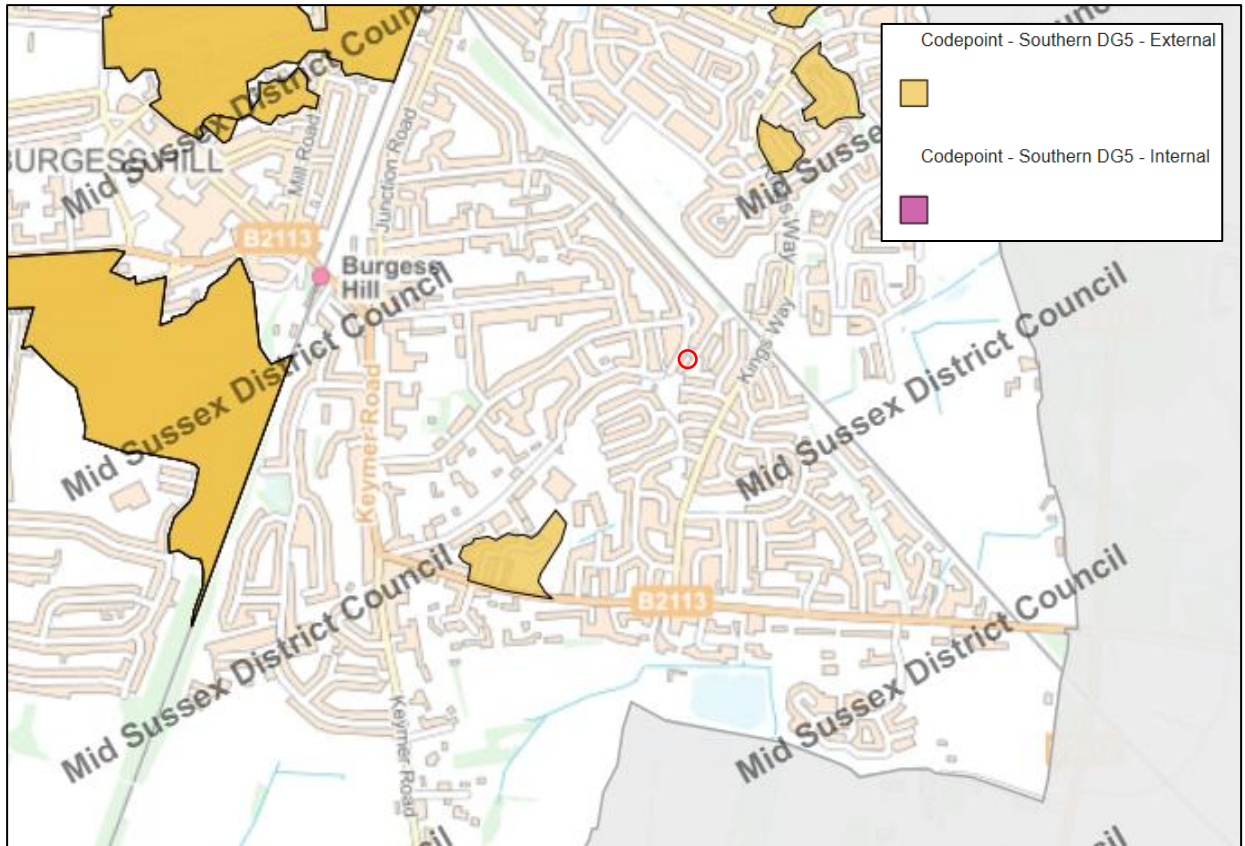


Figure 10: Southern Water Internal and External Flooding Incidents (Mid Sussex District Council SFRA, 2015). Site represented by red circle

4.35. The development is therefore considered to be at low risk of flooding from sewers.

5. Flood Risk Mitigation

All Analysed Sources

- 5.1. The site and proposed development are considered to be at a low risk of all analysed sources of flooding; therefore, no mitigation is required to be incorporated into the development.

Increase to Flood Risk Elsewhere

- 5.2. As the proposal constitutes a Minor Development under the NPPF, paragraph 051 of the Flood Risk and Coastal Change Planning Practice Guidance (PPG) states:

Minor developments are unlikely to raise significant flood issues unless:

- they would have an adverse effect on a watercourse, floodplain or its flood defences;*
- they would impede access to flood defence and management facilities, or;*
- where the cumulative impact of such developments would have a significant effect on local flood storage capacity or flood flows.*

- 5.3. As such, the proposed development in isolation should have a negligible impact on flood risk elsewhere. In addition, development is outside all modelled flood extents (pluvial & fluvial).
- 5.4. Small scale SuDS could be included such as rainwater planters and water butts to reduce run off from development and provide a betterment on existing.

Flood Warnings

- 5.5. The occupant of the dwelling should monitor Met Office Weather Warnings to be prepared for extreme weather events.
- 5.6. The Met Office issues weather warnings up to 5 days in advance, through the National Severe Weather Warning Service, when severe weather has the potential to bring impacts to the UK. It is also possible to stay up to date with weather warnings through the Met Office app (available on both android and apple), social media (X/twitter, Facebook) or email alerts. During periods of bad weather, site users should monitor local weather reports.

6. Conclusions

- 6.1. This FRA has been undertaken with reference to the requirements of NPPF and Planning Practice Guidance with respect to the development at 4 Marlborough Drive, Burgess Hill, Mid Sussex, RH15 0EU. It has been written to support a planning application and prepared with due consideration to the nature of the proposed development to provide the appropriate level of detail.
- 6.2. An assessment of the risk of flooding from all sources has been undertaken and is summarised in the table below:

Source of Flooding	Flood Risk Summary
Fluvial Pluvial Tidal Reservoirs Groundwater Sewers Canals	The site and proposed development are considered to be at low risk from all analysed sources of flooding.

- 6.3. The FRA supports the planning application and demonstrates that there is an acceptable level of flood risk to the site. The development does not increase flood risk off site or to the wider area.
- 6.4. This Flood Risk Assessment should be submitted as part of the planning application to satisfy the requirements under NPPF.

Appendix A - Development Proposals

LOCATION PLAN - 1-1250



Client - Adam & Rachel Hills

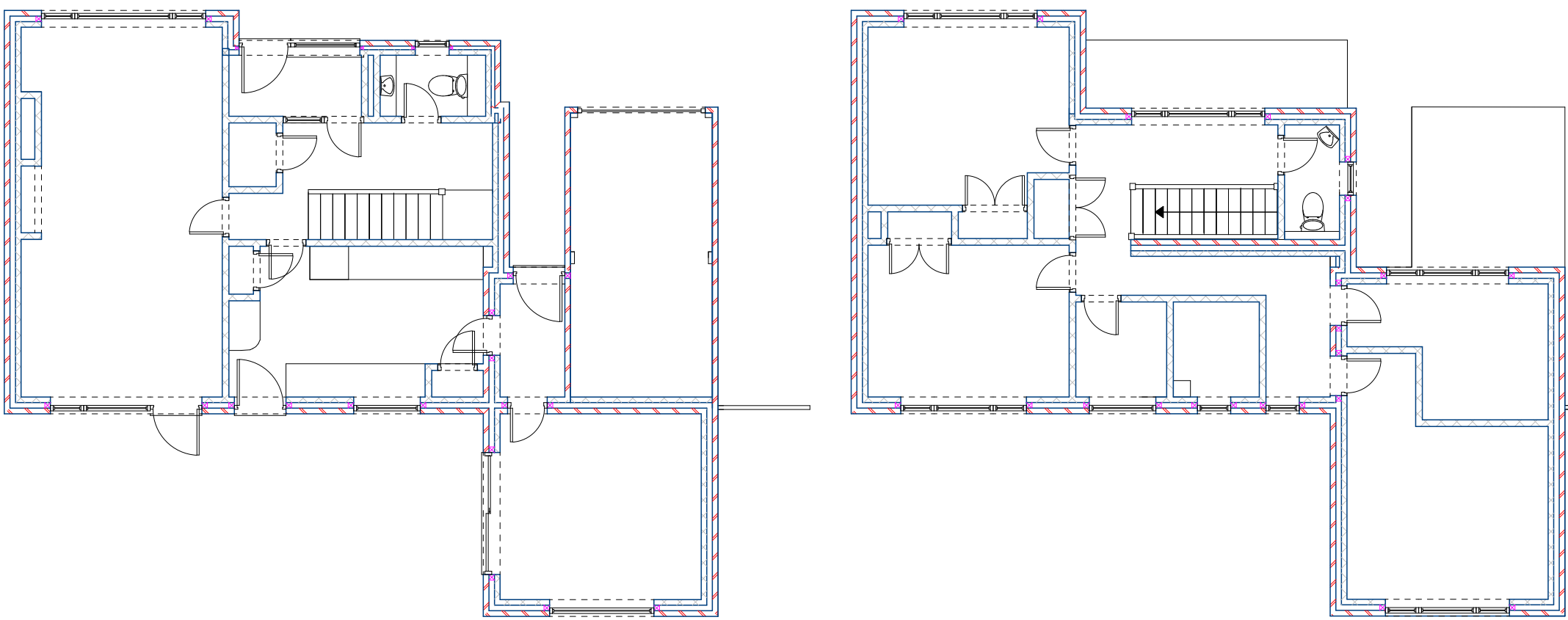
Address - 4 Malborough Drive,
Burgess Hill,
RH15 0EU



Planning Drawings

Existing Layout

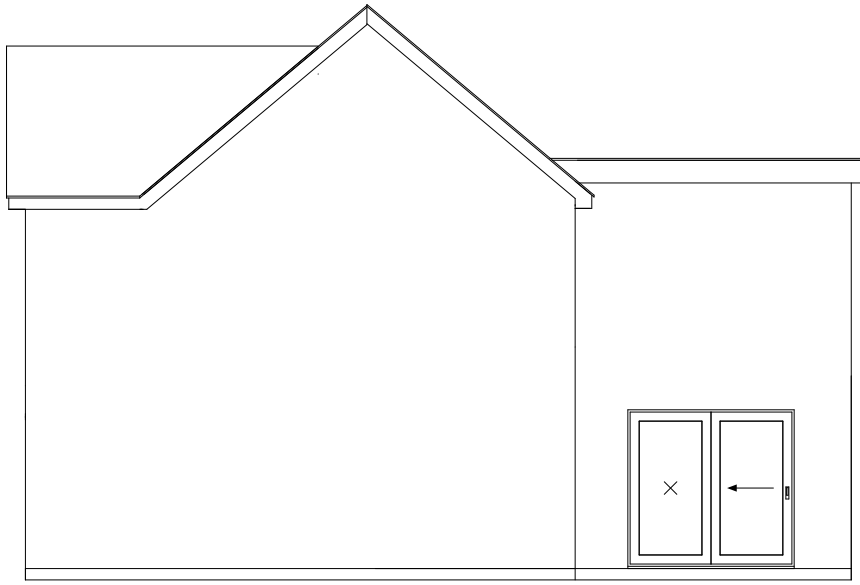
Scale 1 : 100 2000mm



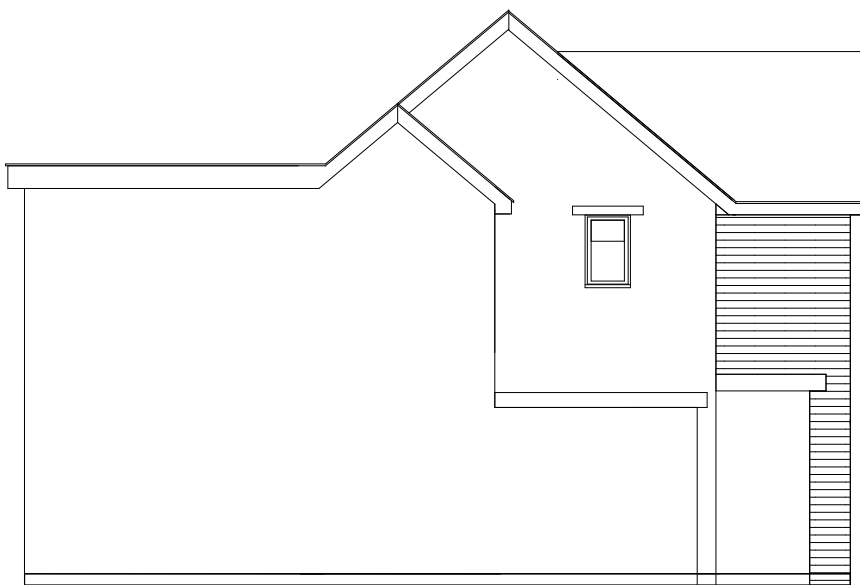
Elevations Existing

Scale 1 : 100 2000mm

Ridge make up
1844
2353
Internal floor
2356
Ground floor make up



Ridge make up
1844
2353
Internal floor
2356
Ground floor make up

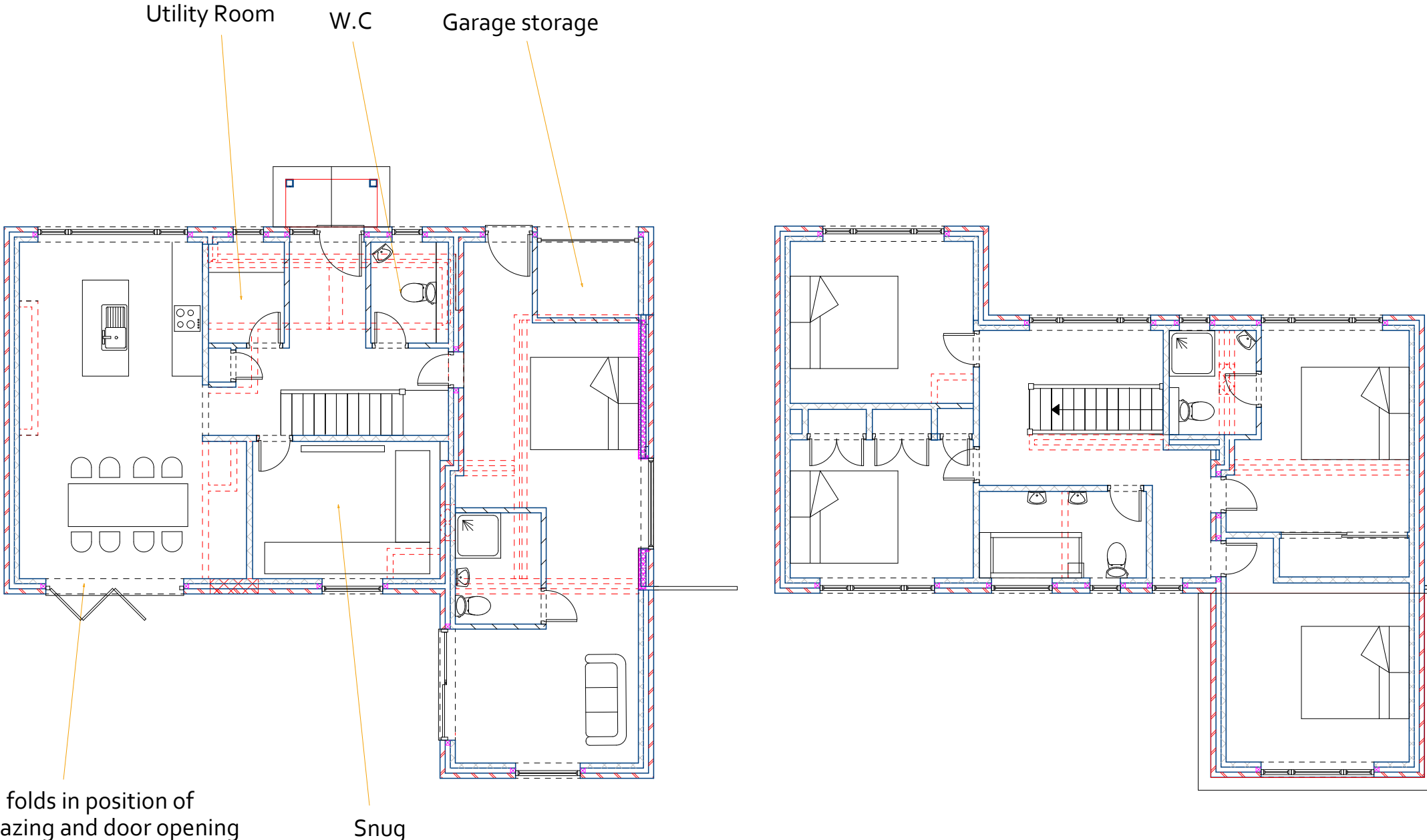


Photographic Survey



Proposed Layout

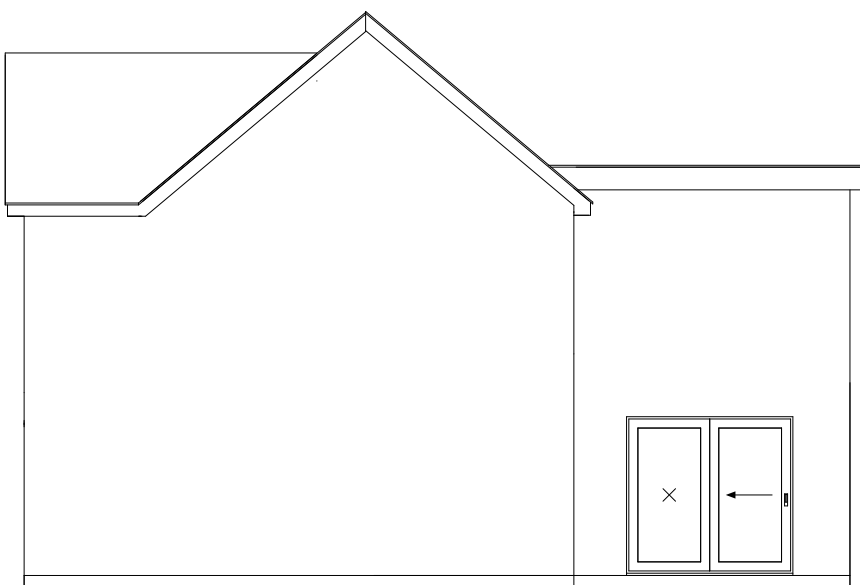
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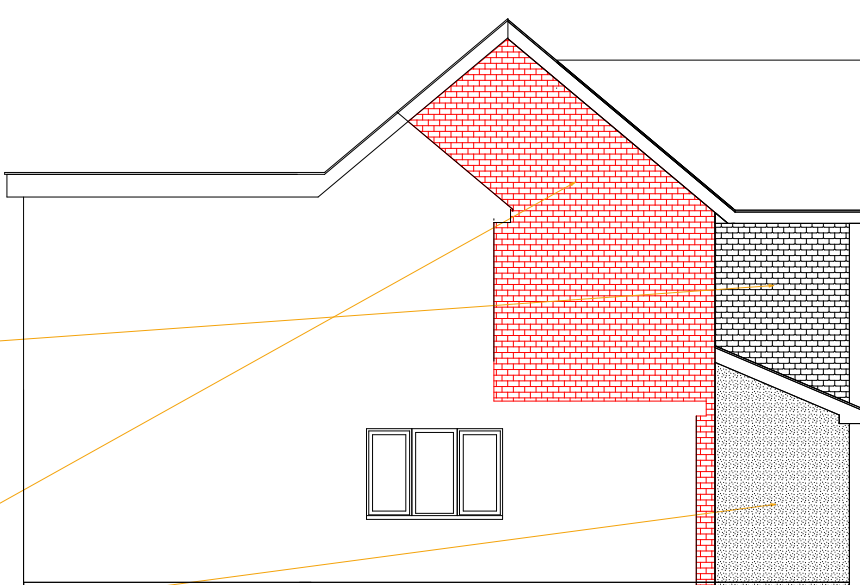
Elevations Proposed

Scale 1 : 100 2000mm

Ridge make up
1844
2353
Internal floor
2356
Ground floor make up



Ridge make up
1844
2353
Internal floor
2356
Ground floor make up



THIS IS NOT A WORKING DRAWING.

The information provided is either for client information, planning consideration or shows compliance under the building regulations. It does not purport to provide all the information necessary to carry out construction works and could be subject to variation in detail.

ALL MEASUREMENTS TO BE CHECKED ON SITE. NOTE: FITMENT SUPPLIERS SHOULD TAKE SITE MEASUREMENTS

Prior to commencement of work on site, dimensions and particulars should be checked and any discrepancies reported immediately to Jones projects Architectural DO NOT SCALE.

Client - Adam & Rachel Hills

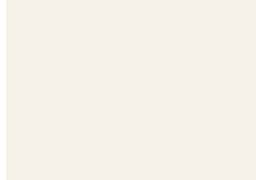
Address - 4 Malborough Drive,
Burgess Hill,
RH15 0EU

Page Size - A1 2000mm



1. All Dimensions In Millimetres Unless Otherwise Stated
2. New Roof Tiles to match existing in type ,colour & face
3. New facing brickwork to match existing
4. The requirements of the party wall act should be observed
5. No part of the existing extension ,including Foundations and gutters, should encroach the property boundary

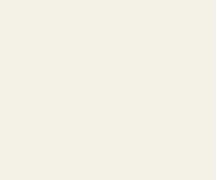
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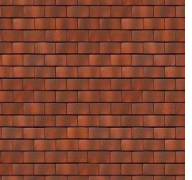
White Upvc
Windows & doors



Brickwork match



White render



Red tile hanging

Material schedule