

Flood Risk Assessment for Planning

July 2025

Prepared for:

Ansty Community Sports Club

Location:

Ansty Village Centre

Deaks Lane

Ansty

Haywards Heath

RH17 5AS

Our reference:

95790-Travis-DeaksLn



Document Issue Record

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Location:	Ansty Village Centre, Deaks Lane, Ansty, Haywards Heath, RH17 5AS
Our reference:	95790-Travis-DeaksLn
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1. Key Facts

Flood Risk Posed:

- The site is located within Flood Zone 1 (Low Probability), which means it is defined as land having a less than 1 in 1,000 annual probability of river or sea flooding.
- The nearest watercourse to the site is an unnamed stream located approximately 96m north of the site which forms part of the River Adur East Branch.
- The site is not at risk from the impacts of climate change.
- No EA Flood Storage Areas located in close proximity to the site .
- No formal raised flood defences owned or operated by the EA protecting the site
- EA Risk of Flooding from Surface Water Map suggests that the site is located within an area at "Very Low" chance of flooding from surface water at the present day and between 2040 and 2060. A small area has been identified at "High" risk of flooding from surface water adjacent to the site. This is an isolated low spot and not associated with a watercourse or overland flow path.
- According to the Mid Sussex District Council, Level 1 Strategic Flood Risk Assessment 2024, the site is not located within a Critical Drainage Area.
- No information has been provided to suggest that the site itself has previously been affected by flooding from groundwater, sewer surcharge or reservoirs.
- No EA or Mid Sussex District Council records of historic flooding having affected the site or surrounding area.

Flood Risk Mitigation:

- The proposed application is for the installation of land drainage to the recreational fields and the replacement of 2 existing containers on pitch 2.
- No residential or commercial units will be created as part of the development.
- No land raising or no increase in built footprint is proposed at the site.
- No change to the impermeable coverage.
- No increase in vulnerability post development.
- There will be no loss of fluvial floodplain storage.
- Due to the nature of the development, there will be no increases to surface water runoff.
- The existing surface water drainage arrangements for the site will be improved post deveoplment. (Refer to the drainage consultant information for detailed design).

Assuming accordance with these flood risk management measures, Unda Consulting Limited consider the proposed application to be suitable in flood risk terms.

2. Introduction

- 2.1. Unda Consulting Limited have been appointed by Ansty Community Sports Club (hereinafter referred to as “the applicant”) to undertake a Flood Risk Assessment for the proposed development at Ansty Village Centre, Deaks Lane, Ansty, Haywards Heath, RH17 5AS (hereinafter referred to as “the site”). The purpose of the study is to support a planning application for the proposed development.
- 2.2. This report presents our findings based on the readily available information and data relating to the site and surrounding drainage area.
- 2.3. The site appears to be located within Flood Zone 1 as defined by the Environment Agency (EA) on their Flood Map for Planning. Under the National Planning Policy Framework (NPPF), a FRA is required if a proposed development:
 - Includes building or engineering works in Flood Zone 2 or 3;
 - Includes building or engineering works on land classified by the Environment Agency as having critical drainage problem;
 - Changes the use of land or buildings in a location at risk of flooding from rivers or the sea, or with critical drainage problems;
 - Changes the use of land or buildings in a way that increases the flood vulnerability of the development where it may be subject to other sources of flooding;
 - Is larger than 1 hectare.
- 2.4. Given that the proposed development is located within Flood Zone 1 (Low Risk of flooding from rivers or the sea) and the site is greater than 1ha in area, a FRA is required under the NPPF.
- 2.5. The assessment should demonstrate to the Local Planning Authority (LPA) and EA how flood risk will be managed now and over the development’s lifetime, taking climate change into account, and with regard to the vulnerability of its potential users.
 - Whether the proposed development is likely to be affected by current or future flooding from any source;
 - Whether it will increase flood risk elsewhere;
 - Whether the measures proposed to deal with these effects and risks are appropriate.

3. Existing Site

- 3.1. The site comprises of Ansty Village Centre, the associated car park, recreation and cricket ground (1st and 2nd pitch).
- 3.2. The surrounding area is characterised by residential properties and agricultural land.
- 3.3. Existing plans are provided in the report Appendix.



Figure 1: Aerial imagery of site and surrounding area (Source: Google Earth)

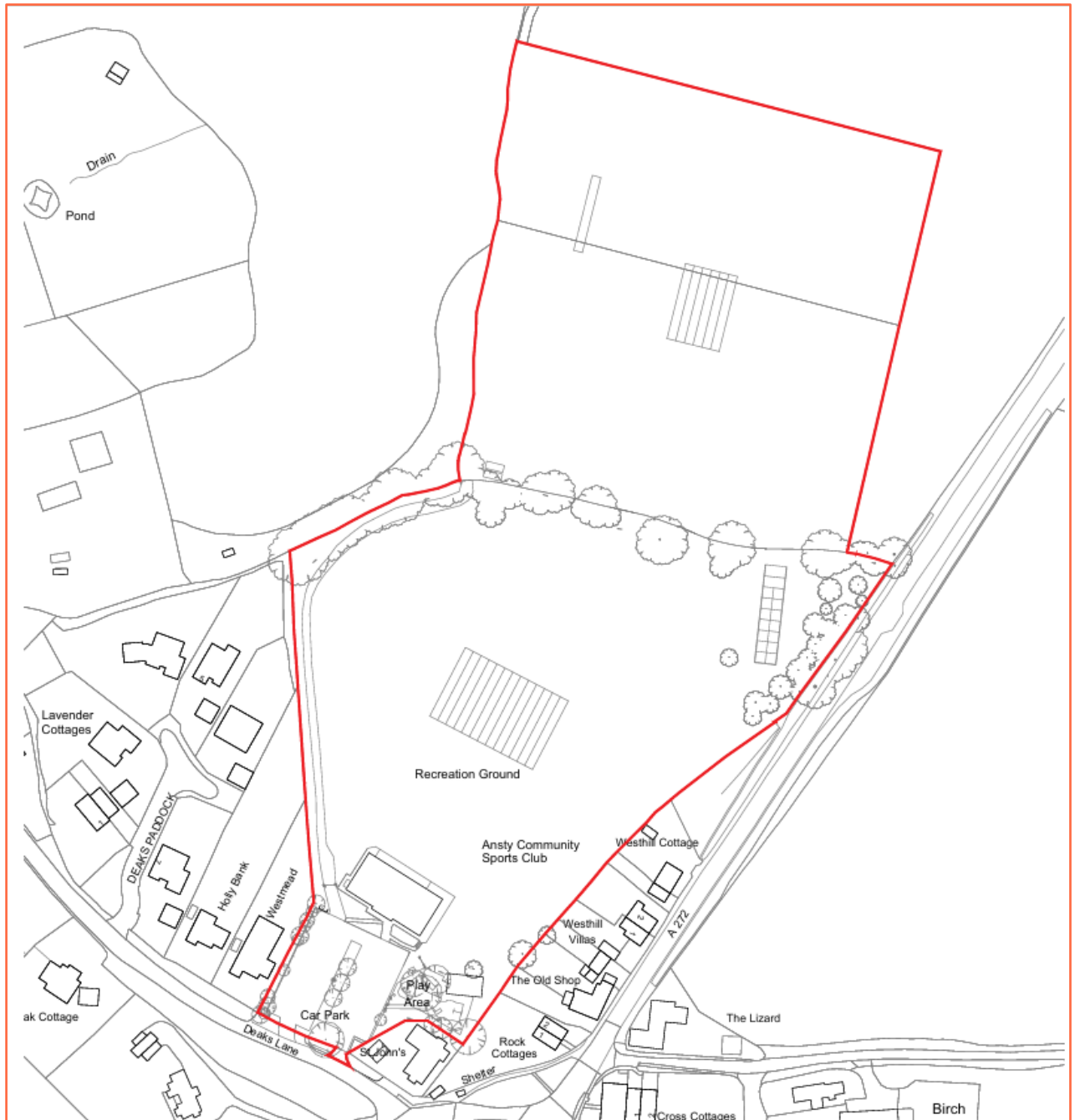


Figure 2: Site location plan (Source: Applicant)

Site Topography:

- 3.4. Environment Agency LiDAR has been used to assess the topography across the site and wider area. Light Detection and Ranging (LiDAR) is an airborne mapping technique, which uses a laser to measure the distance between the aircraft and the ground surface. Up to 100,000 measurements per second are made of the ground, allowing highly detailed terrain models to be generated at high spatial resolutions. The EA's LiDAR data archive contains digital elevation data derived from surveys carried out by the EA's specialist remote sensing team. Accurate elevation data is available for over 70% of England. The LiDAR technique records an elevation accurate to +/-5cm to 15cm with spatial resolutions ranging from 25cm to 2 metres. This dataset is derived from a combination of the full dataset which has been merged and re-sampled to give the best possible coverage. The dataset can be supplied as a Digital Surface Model (DSM) produced from the signal returned to the LiDAR (which includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface) or as a Digital Terrain Model (DTM) produced by

removing objects from the Digital Surface Model. 1.0m horizontal resolution DTM LiDAR data has been used for the purposes of this study.

- 3.5. LiDAR remotely sensed digital elevation data suggests that the ground topography on site ranges from approximately 76mAOD at the front of the site to 76mAOD to the rear.

Existing Ground Conditions:

- 3.6. The 1:50,000 BGS map shows that the bedrock underlying the site is Upper Grinstead Clay – Mudstone.
- 3.7. The BGS mapping shows superficial deposits of Head - clay, silt, sand and gravel underlying the site.
- 3.8. The soil type taken from the UKSO Soil Map Viewer, shows the site to located upon relatively deep soils of Sandstone and Mudstone parent material with a soil texture of sandy loam to silty loam.

Nearby Watercourses / Drainage Features:

- 3.9. The nearest watercourse to the site is an unnamed stream located approximately 96m north of the site. The unnamed stream forms part of the River Adur East Branch.

4. Development Proposal

- 4.1. The proposed application is for the installation of land drainage to the recreational fields and the replacement of 2 existing containers on pitch 2.
- 4.2. No residential or commercial units will be created as part of the development.
- 4.3. No land raising or increase in built footprint is proposed at the site.
- 4.4. No change to the impermeable coverage.
- 4.5. Proposed plans are provided in the report Appendix.

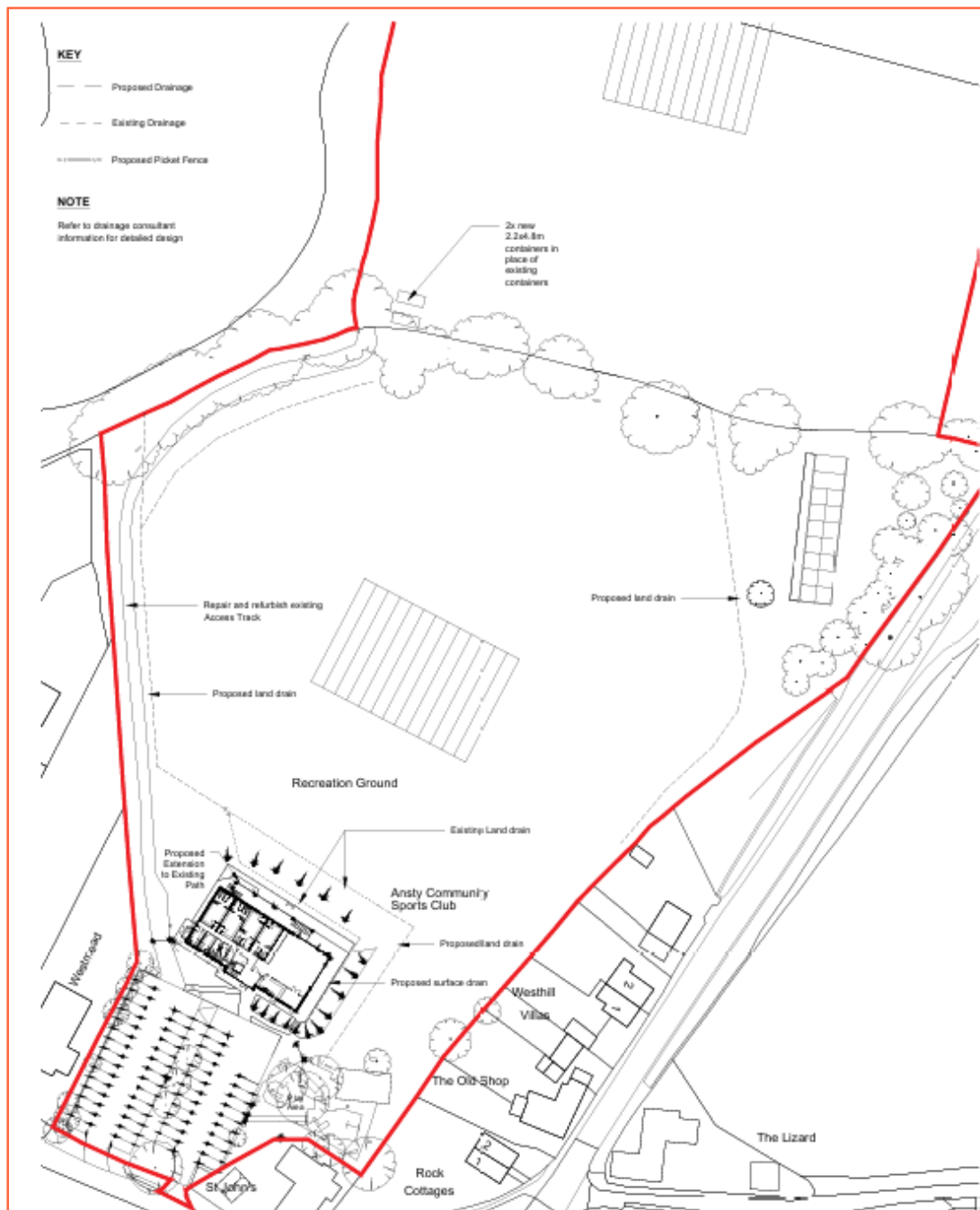


Figure 3: Proposed groundworks plan (Source: Applicant)

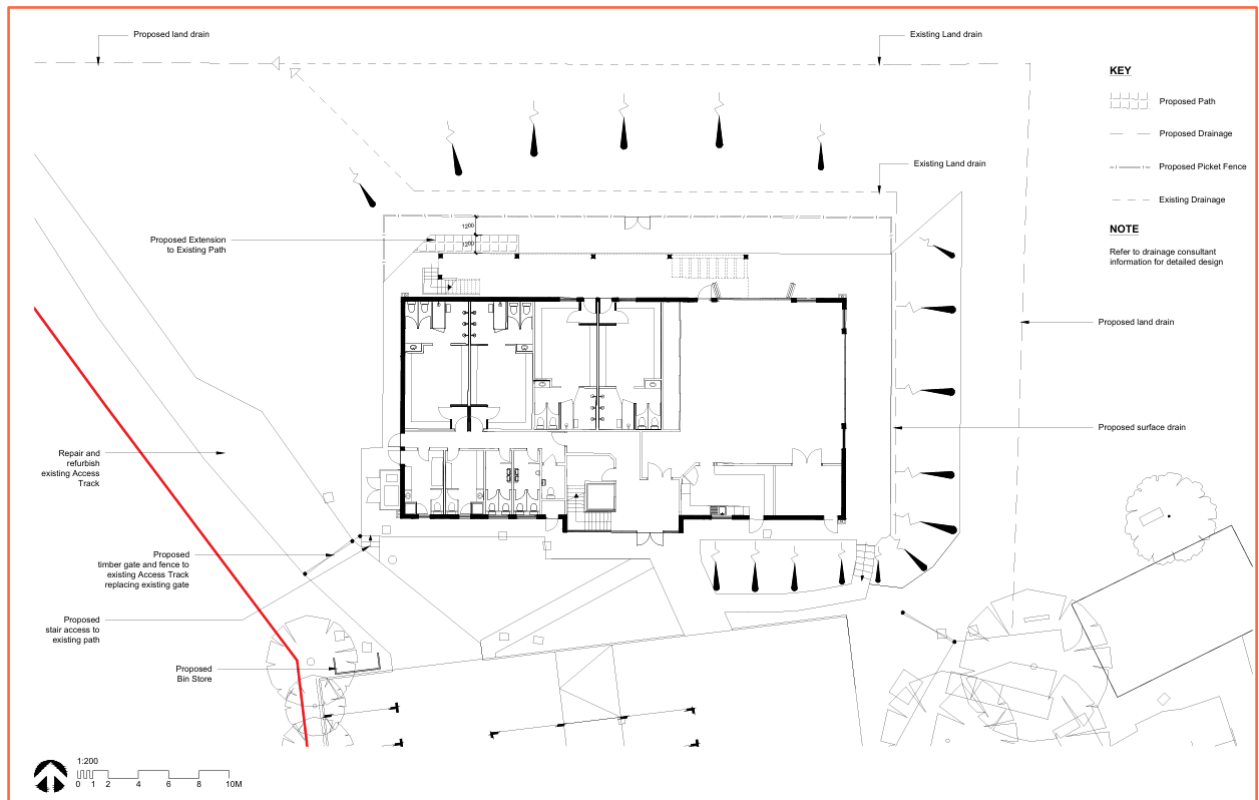


Figure 4: Proposed groundworks plan (Source: Applicant)

5. Flood Risk Assessment

EA Flood Zones:

- 5.1. Within planning, Flood Zones refer to the probability of river and sea flooding, ignoring the presence of defences. They are shown on the Environment Agency's Flood Map for Planning (Rivers and Sea), available on the Environment Agency's website.

Flood Zone	Definition
Zone 1 Low Probability	Land having a less than 0.1% annual probability of river or sea flooding. (Shown as 'clear' on the Flood Map for Planning – all land outside Zones 2, 3a and 3b)
Zone 2 Medium Probability	Land having between a 1% and 0.1% annual probability of river flooding; or land having between a 0.5% and 0.1% annual probability of sea flooding. (Land shown in light blue on the Flood Map)
Zone 3a High Probability	Land having a 1% or greater annual probability of river flooding; or Land having a 0.5% or greater annual probability of sea. (Land shown in dark blue on the Flood Map)
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)

Table 1: Environment Agency Flood Map for Planning (Rivers and Sea) (Source: EA)

- 5.2. The Flood Zones shown on the Environment Agency's Flood Map for Planning (Rivers and Sea) do not take account of the possible impacts of climate change and consequent changes in the future probability of flooding.

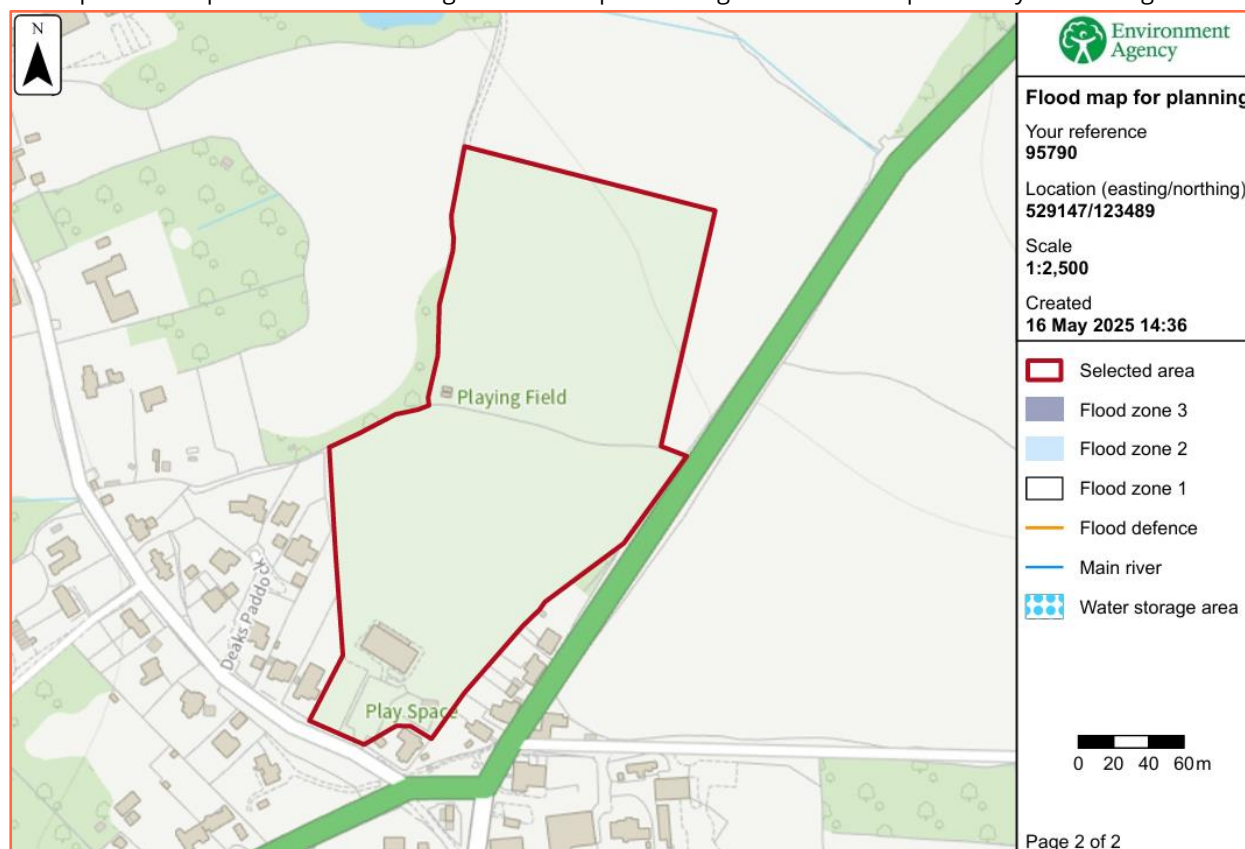


Figure 5: Environment Agency Flood Map for Planning (Rivers and Sea) (Source: EA)

- 5.3. The site is located within Flood Zone 1 (Low Probability), which means it is defined as land having a less than 1 in 1,000 annual probability of river or sea flooding.

Fluvial:

- 5.4. The site is situated entirely in Flood Zone 1 (Low Probability), defined as land having a less than 1:1000 year probability of river or sea flooding.
- 5.5. The nearest watercourse to the site is an unnamed stream located approximately 96m north of the site. The unnamed stream forms part of the River Adur East Branch.

Detailed Flood Modelling:

- 5.6. Product 4 modelled flood levels and extents have been requested from the Environment Agency for use within this report. However, the site is located within Flood Zone 1 and not at risk from the impacts of climate change.

Flood Storage Areas:

- 5.7. Flood Storage Areas are areas that act as a balancing reservoir, storage basin or balancing pond. Their purpose is to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel. It may also delay the timing of a flood peak so that its volume is discharged over a longer time interval. Flood storage areas do not completely remove the chance of flooding and can be overtopped or fail in extreme weather conditions.
- 5.8. According to EA data, there are no Flood Storage Areas located in close proximity to the site.

Flood Defences:

- 5.9. Flood defences are typically raised structures that alter natural flow patterns and prevent floodwater from entering property in times of flooding. They are generally categorised as either 'formal' or 'informal' defences. A 'formal' flood defence is a structure that was built specifically for the purpose of flood defence, and is maintained by its respective owner, which could be the EA, Local Authority, or an individual. An 'informal' flood defence is a structure that has not been specifically built to retain floodwater, and is not maintained for this specific purpose, but may afford some protection against flooding.
- 5.10. Asset inspections are undertaken on average every six months, although some critical assets are assessed on a more regular basis. It is possible that adjacent assets are inspected on different dates, which may result in two assets of a similar state of repair having different condition ratings. It is unclear when both assets were last inspected.
- 5.11. Condition ratings of assets may also be affected by the time of year the surveys are conducted, as vegetation may obscure the asset in the summer months, or accessibility may be an issue during winter months. These factors would not usually affect the recorded condition rating of an asset unless the asset is on a borderline between two ratings.
- 5.12. According to the EA, there are no formal raised flood defences owned or operated by the EA protecting the site.

Residual Risk (breach or overtopping of flood defences):

- 5.13. Breaching of flood defences can cause rapid inundation of areas behind flood defences as flow in the river channel discharges through the breach. A breach can occur with little or no warning, although they are much more likely to occur with extreme river levels or tides when the stresses on flood defences are highest. Flood water flowing through

a breach will normally discharge at a high velocity, rapidly filling up the areas behind the defences, resulting in significant damage to buildings and a high risk of loss of life. Breaches are most likely to occur in soft defences such as earth embankments although poorly maintained hard defences can also be a potential source of breach.

5.14. Overtopping of flood defences occurs when water levels exceed the protection level of raised flood defences. The worst case occurs when the fluvial or tidal levels exceed the defence level as this can lead to prolonged flooding. Less severe overtopping can occur when flood levels are below defence levels, but wave action causes cyclic overtopping, with intermittent discharge over the crest level of the defence. Flood defences are commonly designed with a freeboard to provide protection against overtopping from waves. The risk from overtopping due to exceedance of the flood defence level is much more significant than the risk posed by wave overtopping. Exceedance of the flood defence level can lead to prolonged and rapid flooding with properties immediately behind the defences at highest risk.

5.15. The site is not shown to be defended by formal flood defences.

Tidal Flooding:

5.16. Due to the site topography and distance to the nearest coast/tidal watercourse, the risk of tidal flooding is considered to be very low.

Pluvial (Surface Water):

5.17. Pluvial (surface water) flooding occurs 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.

5.18. The mapping below shows the Risk of Flooding from Surface Water (RoFSW). Please note that the EA do not consider this information suitable to be used to identify the risk to individual properties or sites. It is useful to raise awareness in areas which may be at risk and may require additional investigation. This information tells you the flood risk of the land around a building, not the building itself.

5.19. The RoFSW products are an assessment of where surface water flooding may occur.

5.20. The mapping shows the following likelihood categories, for the present day risk of flooding from surface water, and the climate change scenarios have been produced to indicate the predicted impacts of climate change on future flood risk.

- 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.

5.21. 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.

5.22. The EA Risk of Flooding from Surface Water Map suggests that the site is located within an area at “Very Low” chance of flooding from surface water. A small area has been identified at “High” risk of flooding from surface water adjacent to the site. This is an isolated low spot and not associated with a watercourse or overland flow path.

- 5.23. The EA Risk of Flooding from Surface Water mapping shows the site to be located in an area at “Very Low” chance of flooding between 2040 and 2060. A small area has been identified at “High” risk of flooding from surface water adjacent to the site. This is an isolated low spot and not associated with a watercourse or overland flow path.

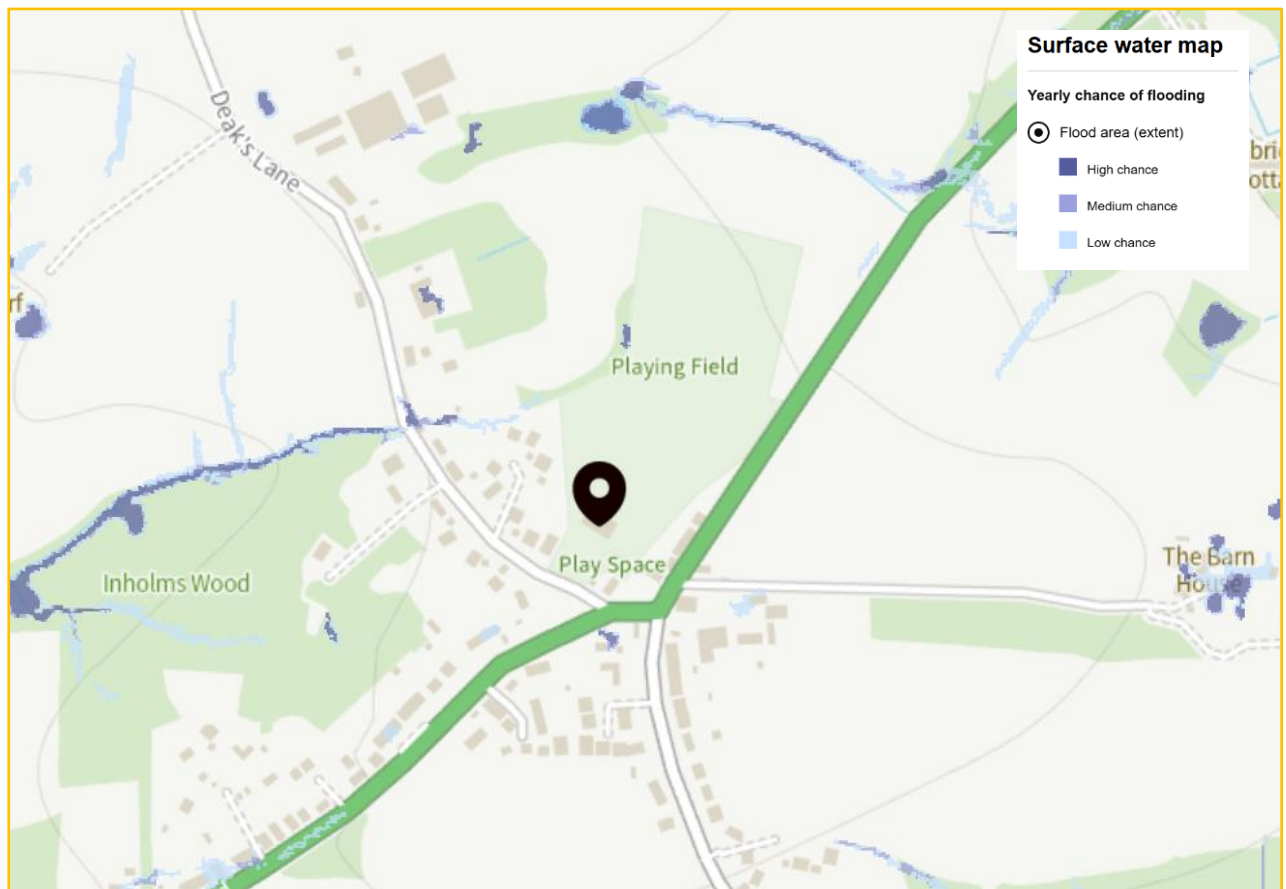


Figure 6: Extract from EA Risk of Flooding from Surface Water mapping – present day (Source: EA)

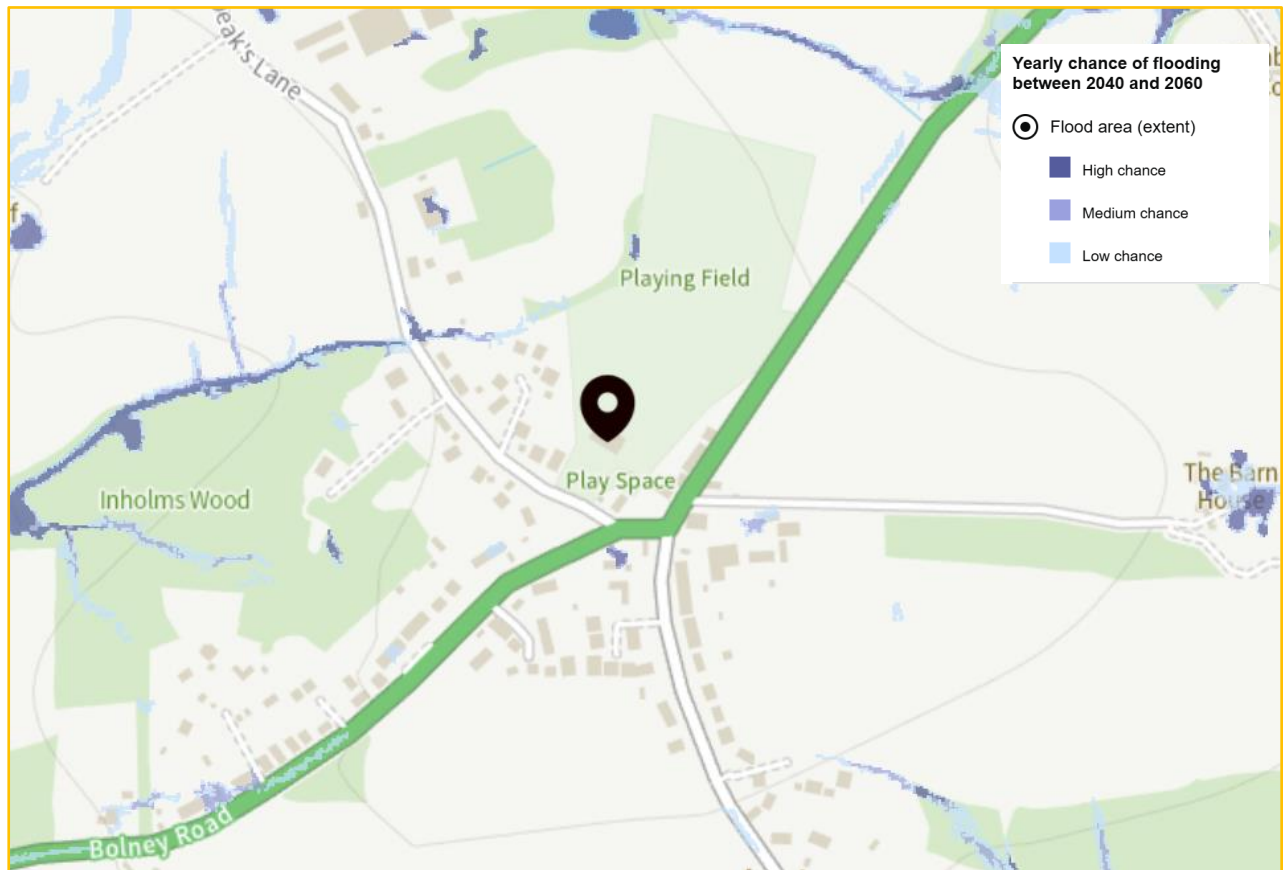


Figure 7: Extract from Environment Agency RoFSW map – between 2040 and 2060 (Source: EA)

Critical Drainage Areas:

- 5.24. A Critical Drainage Area (CDA) is an area that has critical drainage problems and which has been notified to the local planning authority as such by the Environment Agency in line with the National Planning Policy Framework (NPPF). In these locations, there is a need for surface water to be managed to a higher standard than normal to ensure any new development will contribute to a reduction in flooding risks in line with NPPF. These higher standards are determined by the Environment Agency.
- 5.25. According to the Mid Sussex District Council, Level 1 Strategic Flood Risk Assessment 2024, the site is not located within a Critical Drainage Area.

Groundwater:

- 5.26. Groundwater flooding occurs as a result of water rising up from the underlying rocks or from water flowing from abnormal springs. This tends to occur after much longer periods of sustained high rainfall. Higher rainfall means more water will infiltrate into the ground and cause the water table to rise above normal levels. Groundwater tends to flow from areas where the ground level is high, to areas where the ground level is low. In low-lying areas the water table is usually at shallower depths anyway, but during very wet periods, with all the additional groundwater flowing towards these areas, the water table can rise up to the surface causing groundwater flooding.
- 5.27. Groundwater flooding is most likely to occur in low-lying areas underlain by permeable rocks (aquifers). These may be extensive, regional aquifers, such as chalk or sandstone, or may be localised sands or river gravels in valley bottoms underlain by less permeable rocks. Groundwater flooding takes longer to dissipate because groundwater moves much more slowly than surface water and will take time to flow away underground.

- 5.28. The EA advise that flooding from groundwater is unlikely in this area.
- 5.29. No information has been provided to suggest that the site has flooded historically due to groundwater.

Sewer:

- 5.30. Sewer flooding occurs when the sewer network cannot cope with the volume of water that is entering it. It is often experienced during times of heavy rainfall when large amounts of surface water overwhelm the sewer network causing flooding. Temporary problems such as blockages, siltation, collapses and equipment or operational failures can also result in sewer flooding.
- 5.31. All Water Companies have a statutory obligation to maintain a register of properties/areas which have reported records of flooding from the public sewerage system, and this is shown on the DG5 Flood Register. This includes records of flooding from foul sewers, combined sewers and surface water sewers which are deemed to be public and therefore maintained by the Water Company. The DG5 register records of flood incidents resulting in both internal property flooding and external flooding incidents. Once a property is identified on the DG5 register, water companies can typically put funding in place to address the issues and hence enable the property to be removed from the register. It should be noted that flooding from land drainage, highway drainage, rivers/watercourses and private sewers is not recorded within the register.
- 5.32. No information has been presented to suggest that the site is susceptible to sewer flooding.

Other Sources:

- 5.33. Reservoirs with an impounded volume in excess of 25,000 cubic metres (measured above natural ground level) are governed by the Reservoirs Act and are listed on a register held by the Environment Agency. The site is located outside of the maximum inundation extent on the EA Reservoir Inundation Map. The EA also advise on their website that reservoir flooding is extremely unlikely. There has been no loss of life in the UK from reservoir flooding since 1925. All major reservoirs have to be inspected by specialist dam and reservoir Engineers. In accordance with the Reservoirs Act 1975 in England, these inspections are monitored and enforced by the EA themselves. The risk to the site from reservoir flooding is therefore minimal and is far lower than that relating to the potential for fluvial / tidal flooding to occur. The Environment Agency Reservoir Flood Map illustrated below, illustrates the largest area that might be flooded if the storage area were to fail and release the water it is designed to hold during a flood event.
- 5.34. Records of flooding from reservoirs and canals are erratic as there is no requirement for the Environment Agency to provide information on historic flooding from canals and raised reservoirs on plans. In particular, the NPPF does not require flood risk from canals and raised reservoirs to be shown on the Environment Agency flood zones.
- 5.35. Overflows from canals can be common as they are often fed by land drainage, and often do not have controlled overflow spillways. Occasionally, major bank breaches also occur, leading to rapid and deep flooding of adjacent land.
- 5.36. No information has been provided to suggest that the site is susceptible to flooding from other sources.

Historical Flood Events:

- 5.37. The EA hold records of historic flood events from rivers and the sea. The EA map flooding to land, not individual properties. Their historic flood event record outlines are an indication of the geographical extent of an observed flood event. Their historic flood event outlines do not give any indication of flood levels for individual properties. They also do not imply that any property within the outline has flooded internally.
- 5.38. The EA hold no records of historic flooding having affected the site or surrounding area.

- 5.39. The EA historical flood records are not comprehensive, and they advise that further enquiries locally are made with specific reference to flooding at the location.
- 5.40. In addition, according to the Mid Sussex District Council, Level 1 Strategic Flood Risk Assessment 2024 there are no records of historic flooding having affected the site or surrounding area.

6. Flood Risk Management

Vulnerability to Flooding:

- 6.1. The NPPF classifies property usage by vulnerability to flooding.
- 6.2. The existing site usage is classified as “more vulnerable” (Village Centre – drinking establishment) and “water compatible” (recreational fields and cricket pitches – outdoor sports and recreation). Post development, the site will remain the same vulnerability.
- 6.3. Accordingly, it is considered that the vulnerability of the site as a whole will not increase post development.

EA Standing Advice for Minor Extensions:

- 6.4. EA Standing Advice guidance is for domestic extensions and non-domestic extensions where the additional footprint created by the development does not exceed 250m². It should not be applied if an additional dwelling is being created, e.g. a self-contained annexe or additional commercial unit.
- 6.5. No residential or commercial units will be created as part of the development.
- 6.6. No land raising or no increase in built footprint is proposed at the site.
- 6.7. As such, the development as a whole is considered to fit within EA standing advice .

Physical Design Measures:

- 6.8. The site lies entirely outside of Flood Zone 1 according to the EA Flood Map for planning (Rivers and the Sea).
- 6.9. The EA Risk of Flooding from Surface Water Map suggests that risk at the site is “Very Low” and the present day and between 2040 and 2060.
- 6.10. No residential or commercial units will be created as part of the development.
- 6.11. No land raising or no increase in built footprint is proposed at the site.
- 6.12. No change to the impermeable coverage.
- 6.13. No physical design measures are proposed at the site.

Off-Site Impacts:

Fluvial Floodplain Storage:

- 6.14. The NPPF requires that where development is proposed in undefended areas of floodplain, which lie outside of the functional floodplain, the implications of ground raising operations for flood risk elsewhere needs to be considered. Raising existing ground levels may reduce the capacity of the floodplain to accommodate floodwater and increase the risk of flooding by either increasing the depth of flooding to existing properties at risk or by extending the floodplain to cover properties normally outside of the floodplain. Flood storage capacity can be maintained by lowering ground levels either within the curtilage of the development or elsewhere in the floodplain, in order to maintain at least the same volume of flood storage capacity within the floodplain.
- 6.15. In undefended tidal areas, raising ground levels is unlikely to impact on maximum tidal levels so the provision of compensatory storage should not be necessary.

- 6.16. For development in a defended flood risk area, the impact on residual flood risk to other properties needs to be considered. New development behind flood defences can increase the residual risk of flooding if the flood defences are breached or overtopped by changing the conveyance of the flow paths or by displacing flood water elsewhere. If the potential impact on residual risk is unacceptable then mitigation should be provided.
- 6.17. The site is located within Flood Zone 1 and entirely outside of the functional floodplain. In addition, there will be no external alterations or increases in built footprint. Therefore, no fluvial floodwater would be displaced by the proposed development.

Surface Water Drainage:

- 6.18. The development will utilise Sustainable drainage systems (SuDS) design in accordance with the NPPF for Planning Applications and the drainage hierarchy as follows:
1. Store rainwater for later use;
 2. Infiltration techniques;
 3. Attenuate rainwater by storing in tanks for gradual release;
 4. Discharge rainwater direct into watercourse;
 5. Discharge rainwater into surface water sewer;
 6. Discharge rainwater into a combined sewer.
- 6.19. There will be no increase to the built footprint, no change to the impermeable coverage, and therefore no increase to surface water runoff generation.
- 6.20. The existing surface water drainage arrangements for the site will be improved post development (Refer to the drainage consultant information for detailed design)

7. Sequential and Exception Test

- 7.1. The Sequential Test aims to ensure that development does not take place in areas at high risk of flooding when appropriate areas of lower risk are reasonably available.
- 7.2. The Sequential Test is applied to developments in areas identified as being at risk of any source of flooding now or in the future. The Sequential Test ensures that a sequential, risk-based approach is followed to steer new development to areas with the lowest risk of flooding, taking all sources of flood risk and climate change into account.
- 7.3. The sequential approach is designed to ensure that areas at little or no risk of flooding from any source are developed in preference to areas at higher risk. This means avoiding, so far as possible, development in current and future medium and high flood risk areas considering all sources of flooding including areas at risk of surface water flooding. Other forms of flooding need to be treated consistently with river and tidal flooding in mapping probability and assessing vulnerability, so that the sequential approach can be applied across all areas of flood risk.
- 7.4. The site is situated within Flood Zone 1 when using the Environment Agency Flood Map for Planning (Rivers and Sea) and within an area of “Very Low” chance of flooding from surface water.
- 7.5. The existing site usage is classified as “more vulnerable” (Village Centre – drinking establishment) and “water compatible” (recreational fields and cricket pitches – outdoor sports and recreation). Post development, the site will remain the same vulnerability.

Flood Zones	Flood Risk Vulnerability Classification				
	Essential Infrastructure	Highly Vulnerable	More Vulnerable	Less Vulnerable	Water Compatible
Zone 1	✓	✓	✓	✓	✓
Zone 2	✓	Exception Test required	✓	✓	✓
Zone 3a	Exception Test required	✗	Exception Test required	✓	✓
Zone 3b	Exception Test required	✗	✗	✗	✓

Table 2: Flood risk vulnerability and flood zone ‘compatibility’ (Source: NPPF Table 3 Technical Guidance)

- 7.6. Using the table above, the proposed application “more vulnerable” and “water compatible” is considered to be suitable within Flood Zone 1. The sequential test does not need to be applied for minor developments and changes of use – this application is for a minor development.

8. Discussion and Conclusion

- 8.1. Unda Consulting Limited have been appointed by Ansty Community Sports Club to undertake a Flood Risk Assessment for the proposed development at Ansty Village Centre, Deaks Lane, Ansty, Haywards Heath, RH17 5AS. The purpose of the study is to support a planning application for the proposed development.
- 8.2. The proposed application is for the installation of land drainage to the recreational fields and the replacement of 2 existing containers on pitch 2.
- 8.3. No residential or commercial units will be created as part of the development.
- 8.4. No land raising or no increase in built footprint is proposed at the site.
- 8.5. The existing site usage is classified as “more vulnerable” (Village Centre – drinking establishment) and “water compatible” (recreational fields and cricket pitches – outdoor sports and recreation). Post development, the site will remain the same vulnerability.
- 8.6. Accordingly, it is considered that the vulnerability of the site as a whole will not increase post development.
- 8.7. The site is situated entirely in Flood Zone 1 (Low Probability), defined as land having a less than 1:1000 year probability of river or sea flooding.
- 8.8. The nearest watercourse to the site is an unnamed stream located approximately 96m north of the site. The unnamed stream forms part of the River Adur East Branch.
- 8.9. Product 4 modelled flood levels and extents have been requested from the Environment Agency for use within this report. However, the site is located within Flood Zone 1 and not at risk from the impacts of climate change.
- 8.10. According to EA data, there are no Flood Storage Areas located in close proximity to the site and there are no formal raised flood defences owned or operated by the EA protecting the site.
- 8.11. The EA Risk of Flooding from Surface Water Map suggests that the site is located within an area at “Very Low” chance of flooding from surface water at the present day and between 2040 and 2060. A small area has been identified at “High” risk of flooding from surface water adjacent to the site. This is an isolated low spot and not associated with a watercourse or overland flow path.
- 8.12. According to the Mid Sussex District Council, Level 1 Strategic Flood Risk Assessment 2024, the site is not located within a Critical Drainage Area.
- 8.13. No information has been provided to suggest that the site itself has previously been affected by flooding from groundwater, sewer surcharge or reservoirs.
- 8.14. The EA hold no records of historic flooding having affected the site or surrounding area.
- 8.15. According to the Mid Sussex District Council, Level 1 Strategic Flood Risk Assessment 2024 there are no records of historic flooding having affected the site or surrounding area.

In Summary:

- The proposed application is for the installation of land drainage to the recreational fields and the replacement of 2 existing containers on pitch 2.
- No residential or commercial units will be created as part of the development.
- No land raising or no increase in built footprint is proposed at the site.
- No change to the impermeable coverage.

- No increase in vulnerability post development.
- There will be no loss of fluvial floodplain storage.
- Due to the nature of the development, there will be no increases to surface water runoff.
- The existing surface water drainage arrangements for the site will be improved post development. (Refer to the drainage consultant information for detailed design).

Assuming accordance with these flood risk management measures, Unda Consulting Limited consider the proposed application to be suitable in flood risk terms.

**Unda Consulting Limited
July 2025**

Appendix

A – Development Plans:

- Site location, existing and proposed plans.

B – EA Flood Map for Planning:

- Flood Map for Planning – Environment Agency.

C – NPPF Annex 3:

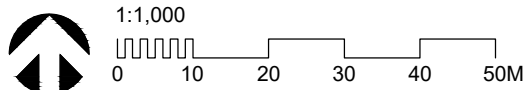
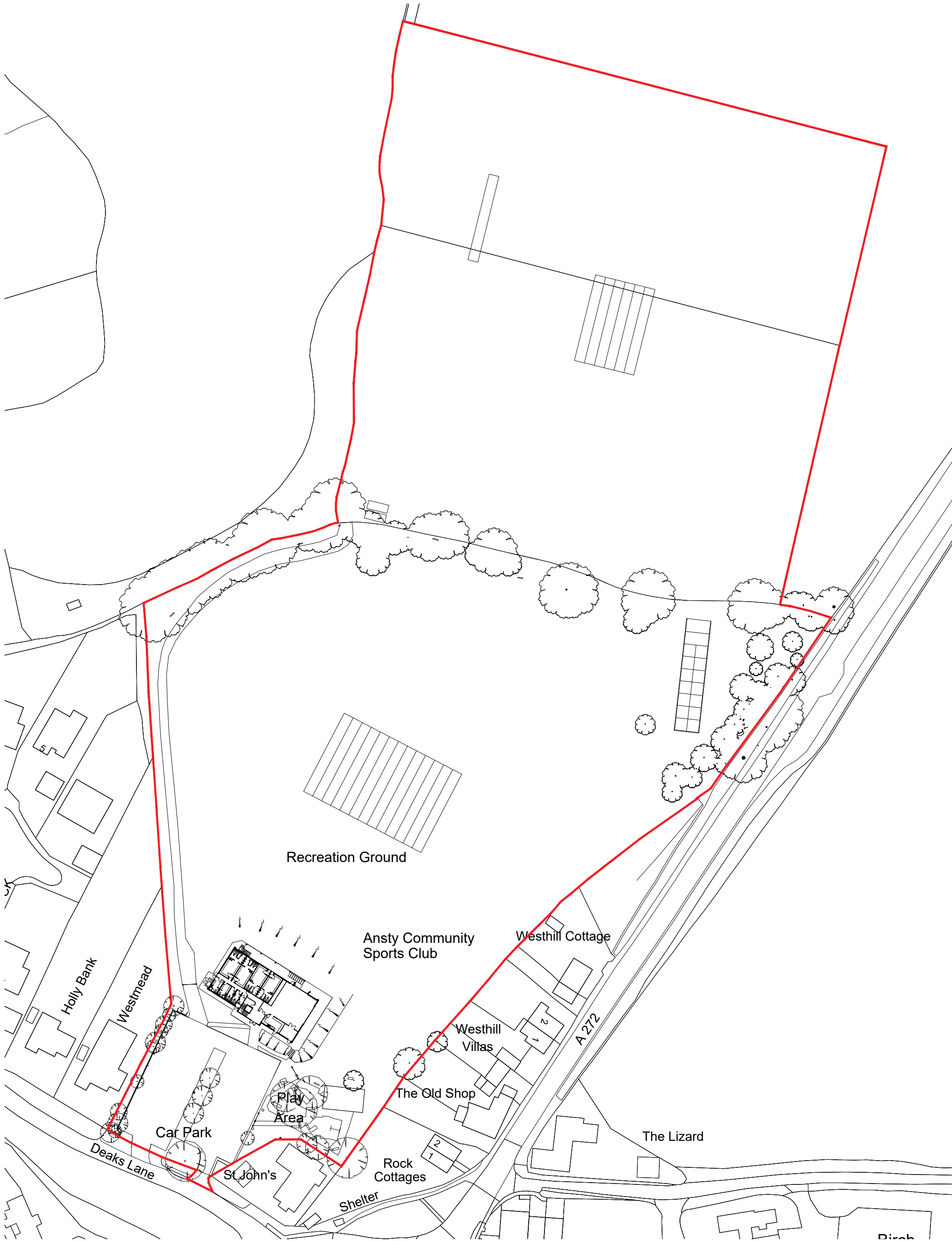
- NPPF Annex 3: Flood risk vulnerability classification table.



PLEASE NOTE
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Revisions		
P1	16.12.24	FIRST ISSUE
P2	03.02.25	Updates as per meeting comments
P3	21.05.25	PLANNING ISSUE

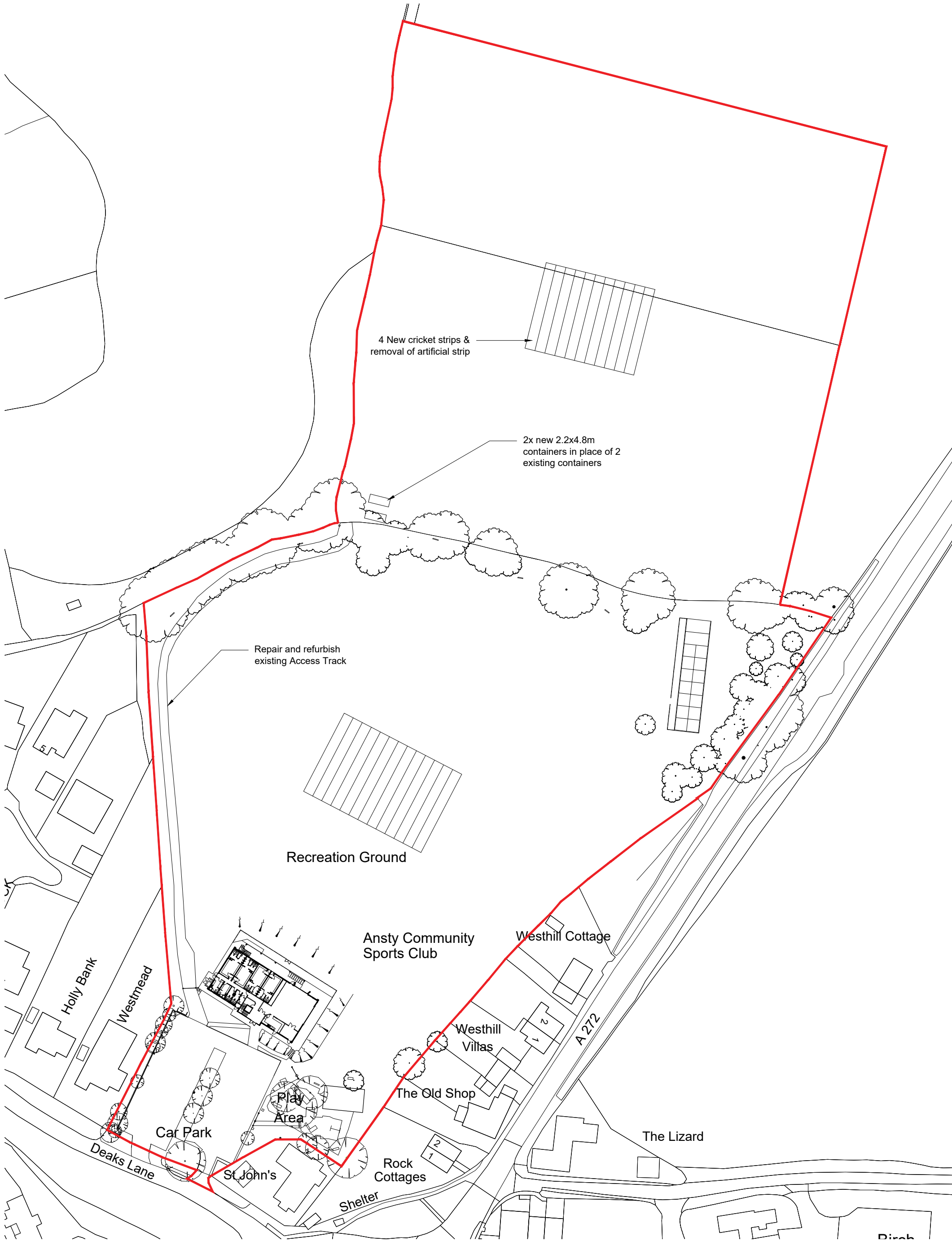
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Project/Client Recreation Ground Works Ansty Recreation & Cricket Ground		Scale @ A3 1:1250
Job reference / Drawing number 007 001	Revision P3	Purpose of Issue Approval



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Revisions		
P1	16.12.24	FIRST ISSUE
P2	03.02.25	Updates as per meeting comments
P3	21.05.25	PLANNING ISSUE

Drawing Existing Block Plan		Date DEC 24
Project/Client Recreation Ground Works Ansty Recreation & Cricket Ground		Scale @ A3 1:1000
Job reference / Drawing number 007 003		Revision P3
		Purpose of Issue Approval



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Revisions		
P1	16.12.24	FIRST ISSUE
P2	03.02.25	Updates as per meeting comments
P3	21.05.25	PLANNING ISSUE

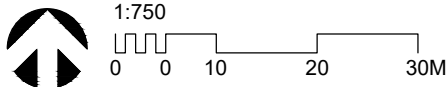
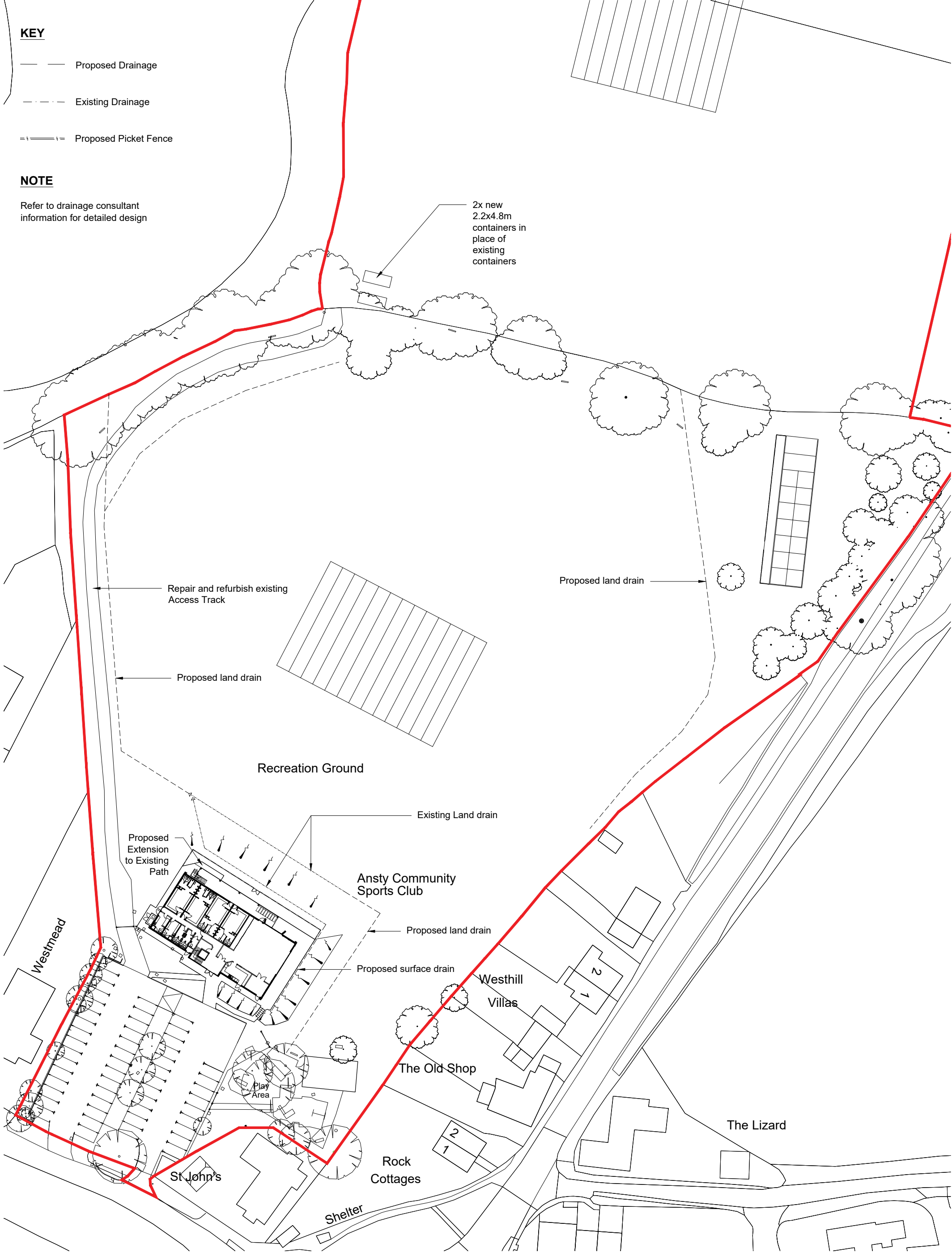
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Project/Client Recreation Ground Works Ansty Recreation & Cricket Ground		Scale @ A3 1:1000
Job reference Drawing number 007 004	Revision P3	Purpose of Issue Approval

KEY

- Proposed Drainage
- Existing Drainage
- Proposed Picket Fence

NOTE

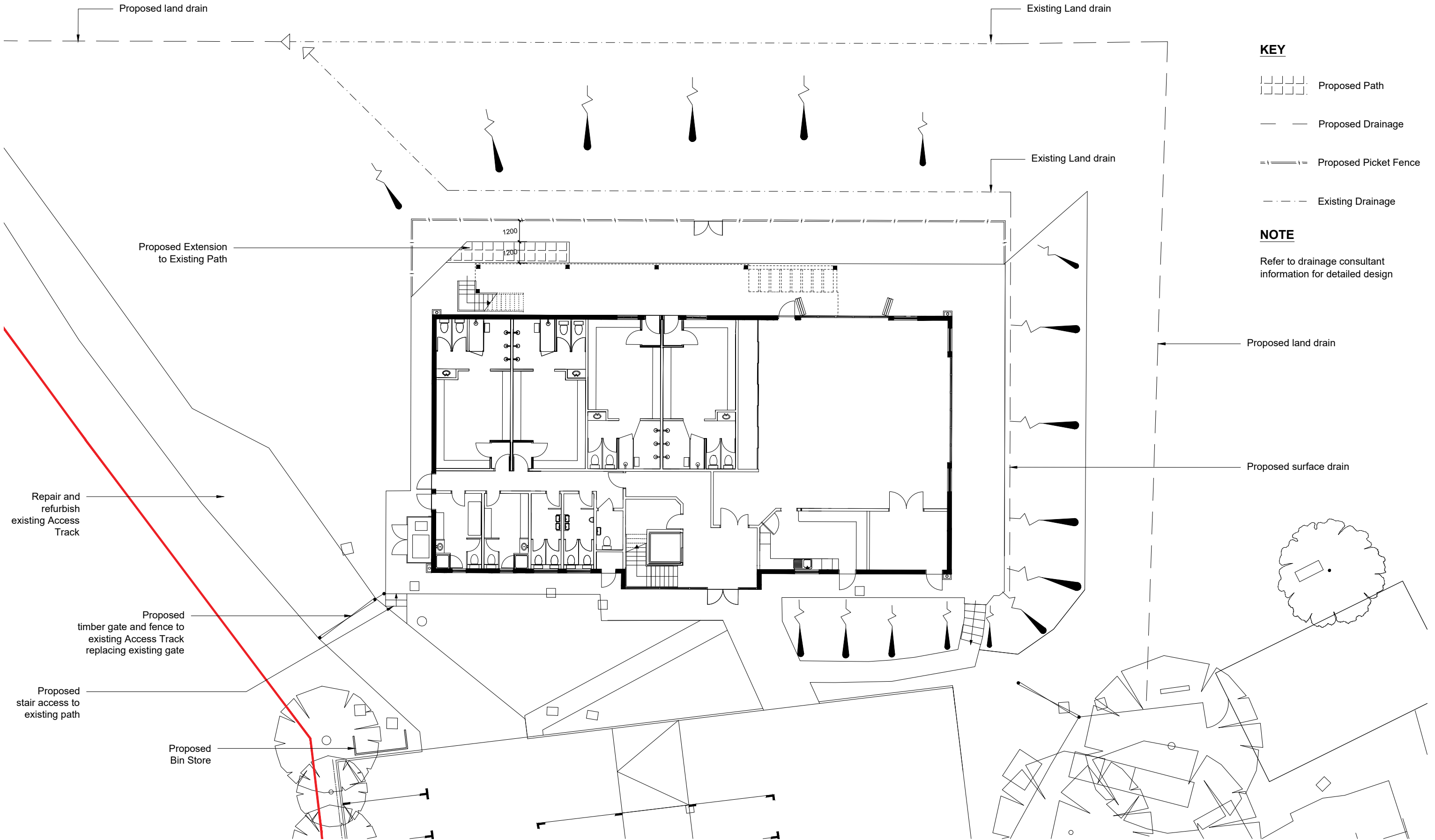
Refer to drainage consultant information for detailed design



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Revisions		
P1	16.12.24	FIRST ISSUE
P2	03.02.25	Updates as per meeting comments
P3	21.05.25	PLANNING ISSUE

Drawing Proposed Ground Works Plan		Date DEC 24
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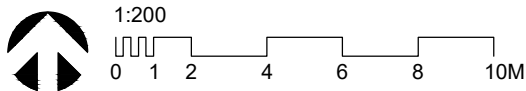


KEY

- Proposed Path
- Proposed Drainage
- Proposed Picket Fence
- Existing Drainage

NOTE

Refer to drainage consultant information for detailed design



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Revisions		
P1	16.12.24	FIRST ISSUE
P2	03.02.25	Updates as per meeting comments
P3	21.05.25	PLANNING ISSUE

Drawing Proposed Landscaping and Drainage Plan		Date DEC 24
Project/Client Recreation Ground Works Ansty Recreation & Cricket Ground		Scale @ A3 1:200
Job reference 1 Drawing number 007 015	Revision P3	Purpose of Issue Approval

Flood map for planning

Your reference
95790

Location (easting/northing)
529147/123489

Created
16 May 2025 14:36

Your selected location is in flood zone 1, an area with a low probability of flooding.

You will need to do a flood risk assessment if your site is **any of the following**:

- bigger than 1 hectare (ha)
- in an area with critical drainage problems as notified by the Environment Agency
- identified as being at increased flood risk in future by the local authority's strategic flood risk assessment
- at risk from other sources of flooding (such as surface water or reservoirs) and its development would increase the vulnerability of its use (such as constructing an office on an undeveloped site or converting a shop to a dwelling)

Notes

The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

Flood risk data is covered by the Open Government Licence which sets out the terms and conditions for using government data. <https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3>

Use of the address and mapping data is subject to Ordnance Survey public viewing terms under Crown copyright and database rights 2025 AC0000807064. <https://flood-map-for-planning.service.gov.uk/os-terms>



Flood map for planning

Your reference

95790

Location (easting/northing)

529147/123489

Scale

1:2,500

Created

16 May 2025 14:36

-  Selected area
-  Flood zone 3
-  Flood zone 2
-  Flood zone 1
-  Flood defence
-  Main river
-  Water storage area



0 20 40 60m

Annex 3: Flood Risk Vulnerability Classification	
Essential Infrastructure:	- Essential transport infrastructure (including mass evacuation routes) which has to cross the area at risk. - Essential utility infrastructure which has to be located in a flood risk area for operational reasons, including infrastructure for electricity supply including generation, storage and distribution systems; including electricity generating power stations, grid and primary substations storage; and water treatment works that need to remain operational in times of flood. - Wind turbines. - Solar farms.
Highly Vulnerable:	- Police and ambulance stations; fire stations and command centres; telecommunications installations required to be operational during flooding. - Emergency dispersal points. - Basement dwellings. - Caravans, mobile homes and park homes intended for permanent residential use. - Installations requiring hazardous substances consent. (Where there is a demonstrable need to locate such installations for bulk storage of materials with port or other similar facilities, or such installations with energy infrastructure or carbon capture and storage installations, that require coastal or water-side locations, or need to be located in other high flood risk areas, in these instances the facilities should be classified as 'Essential Infrastructure'.)
More Vulnerable: * Landfill is as defined in Schedule 10 of the Environmental Permitting (England and Wales) Regulations 2010	- Hospitals. - Residential institutions such as residential care homes, children's homes, social services homes, prisons and hostels. - Buildings used for dwelling houses, student halls of residence, drinking establishments, nightclubs and hotels. - Non-residential uses for health services, nurseries and educational establishments. - Landfill* and sites used for waste management facilities for hazardous waste. - Sites used for holiday or short-let caravans and camping, subject to a specific warning and evacuation plan.
Less Vulnerable:	- Police, ambulance and fire stations which are not required to be operational during flooding. - Buildings used for shops; financial, professional and other services; restaurants, cafes and hot food takeaways; offices; general industry, storage and distribution; non-residential institutions not included in the 'more vulnerable' class; and assembly and leisure. - Land and buildings used for agriculture and forestry. - Waste treatment (except landfill* and hazardous waste facilities). - Minerals working and processing (except for sand and gravel working). - Water treatment works which do not need to remain operational during times of flood. - Sewage treatment works, if adequate measures to control pollution and manage sewage during flooding events are in place. - Car parks.
Water-Compatible Development:	- Flood control infrastructure. - Water transmission infrastructure and pumping stations. - Sewage transmission infrastructure and pumping stations. - Sand and gravel working. - Docks, marinas and wharves. - Navigation facilities. - Ministry of Defence installations. - Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location. - Water-based recreation (excluding sleeping accommodation). - Lifeguard and coastguard stations. - Amenity open space, nature conservation and biodiversity, outdoor sports and recreation and essential facilities such as changing rooms. - Essential ancillary sleeping or residential accommodation for staff required by uses in this category, subject to a specific warning and evacuation plan.

National Planning Policy Framework Annex 3: Flood risk vulnerability classification