

Cranleigh Leisure Centre

Parish Council AGM Presentation

06/03/24 - Initial Issue



gleeds



ENGENUITI



AtkinsRéalis

SouthernGreen



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Checked by: GT3

Introduction

We are preparing to submit a planning application on behalf of Waverley Borough Council, for the NEW Cranleigh Leisure Centre at Village Way, Cranleigh, GU6 8AF.

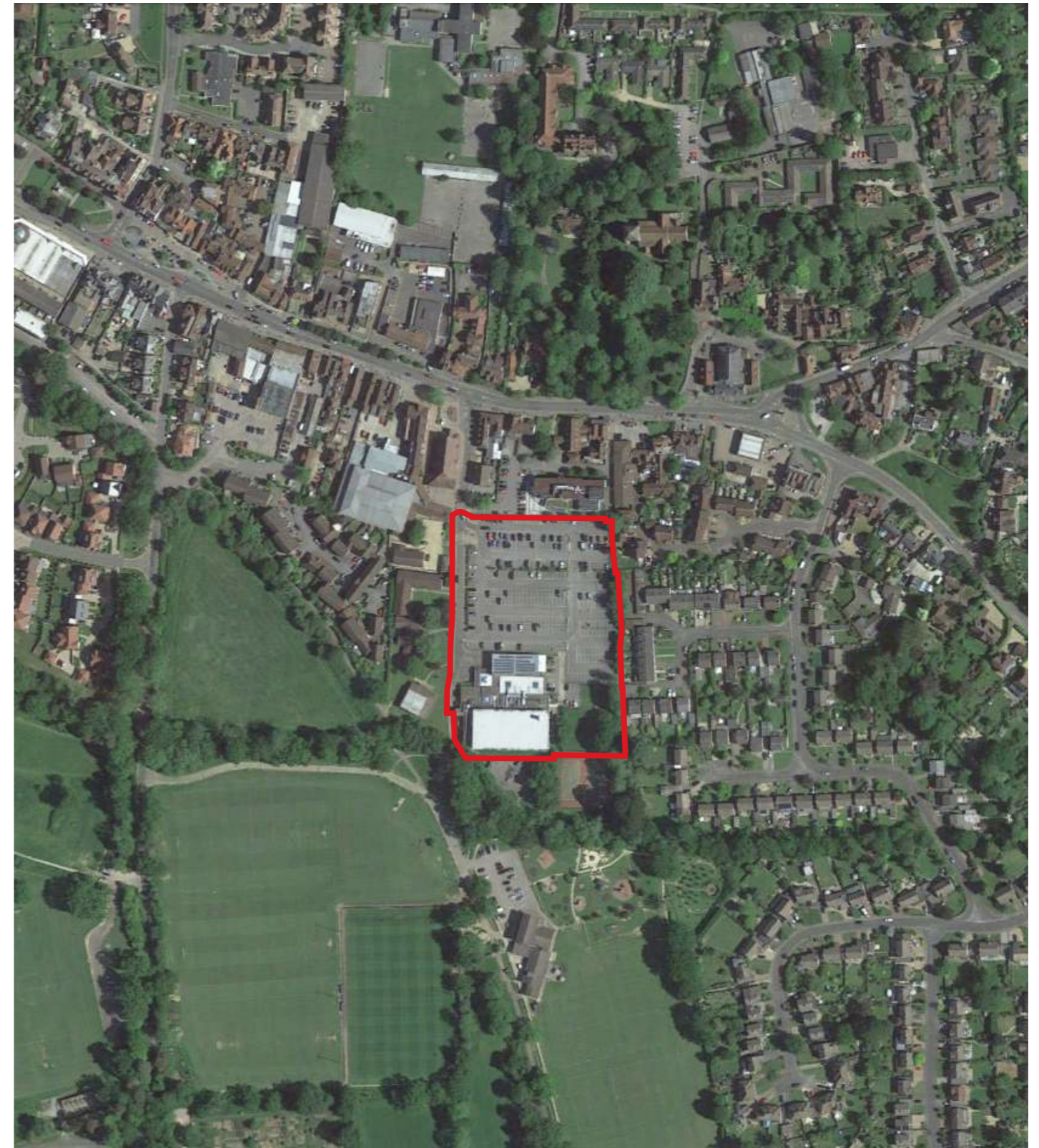
The new energy efficient leisure centre being designed to Passivhaus standards will replace the existing leisure centre that will be demolished when the new centre is open. The planning application currently being prepared, will have details about the new building, the landscaping and new car park layout.

We are aiming to submit the planning application for Waverley Borough Council in late spring/early summer this year. Before we do, we would like to share the concept designs and layouts with you that have been prepared by GT3 Architects and specialist consultants.

This is your opportunity to view and comment on the proposals ahead of the planning application submission.

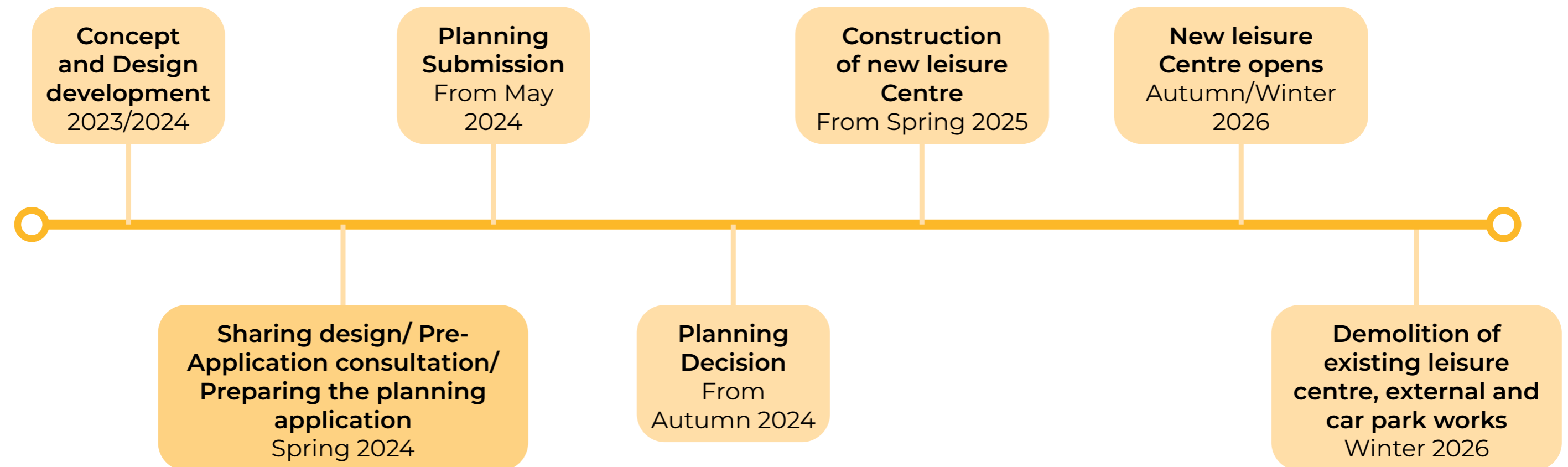
The Site.

This site comprises the existing Cranleigh Leisure Centre and car parking, where once a week the market is held. To the north of the site is Cranleigh Medical Practice and Library, and other retail uses. To the east, the site is bound by existing hedgerow and trees with residential properties beyond. To the south, the site is bound by a skate park and sports courts with Snoxhall Play Park beyond. Village Way, the Co-op, and Cranleigh Village Hall are situated to the west. The site is within Cranleigh village centre so makes good use of pedestrian and public transport connections, with a bus stop immediately north of the site, along the B2128, and cycle and parking provision in the village centre. Access is a key part of this sustainable design.



Project Timeline

This table shows the outline programme, which is subject to change pending planning application decision and construction contracts. At the moment we are working on the planning application and detailed design, carrying out specialist surveys and gathering the information we need to support the application.



Key Themes



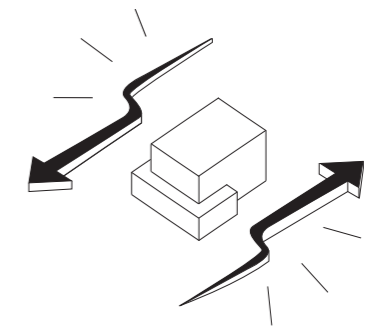
Being “of Cranleigh”

The current site and leisure centre fosters a strong sense of character and belonging in the area. As such, it is critical that the new proposal continues this sense of being “of Cranleigh”. All areas of the design (from site masterplan and layout to facade design) have been inspired in some way by the Cranleigh and the surrounding context.



People, Planet & Value for Money

A key phrase developed during the Vision Workshop that encompassed the desire for true sustainability to drive the project; environmental, social and economic sustainability must be balanced and implemented.



Creating a Connection

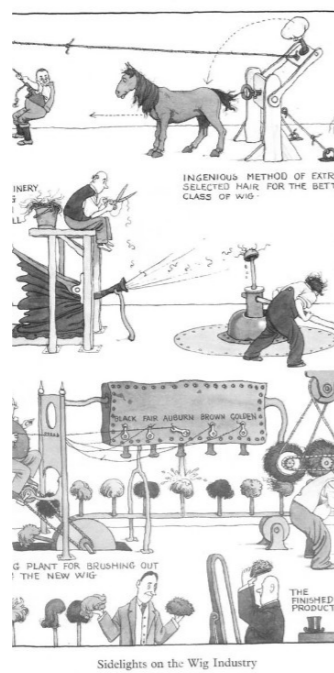
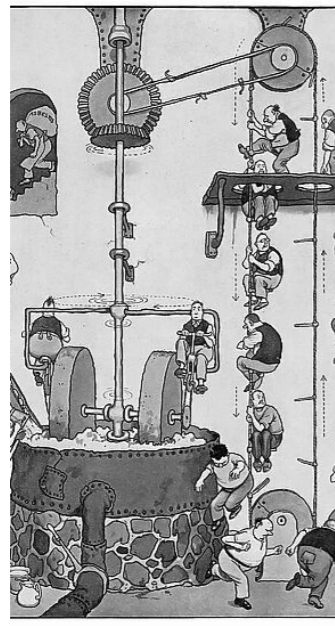
The site is located on a key junction between Cranleigh Village Centre and Snoxhall Playing Fields which in turn is linked to the South Downs Link. It is key that the proposal creates a beacon for both sides of this junction.

Design Concept

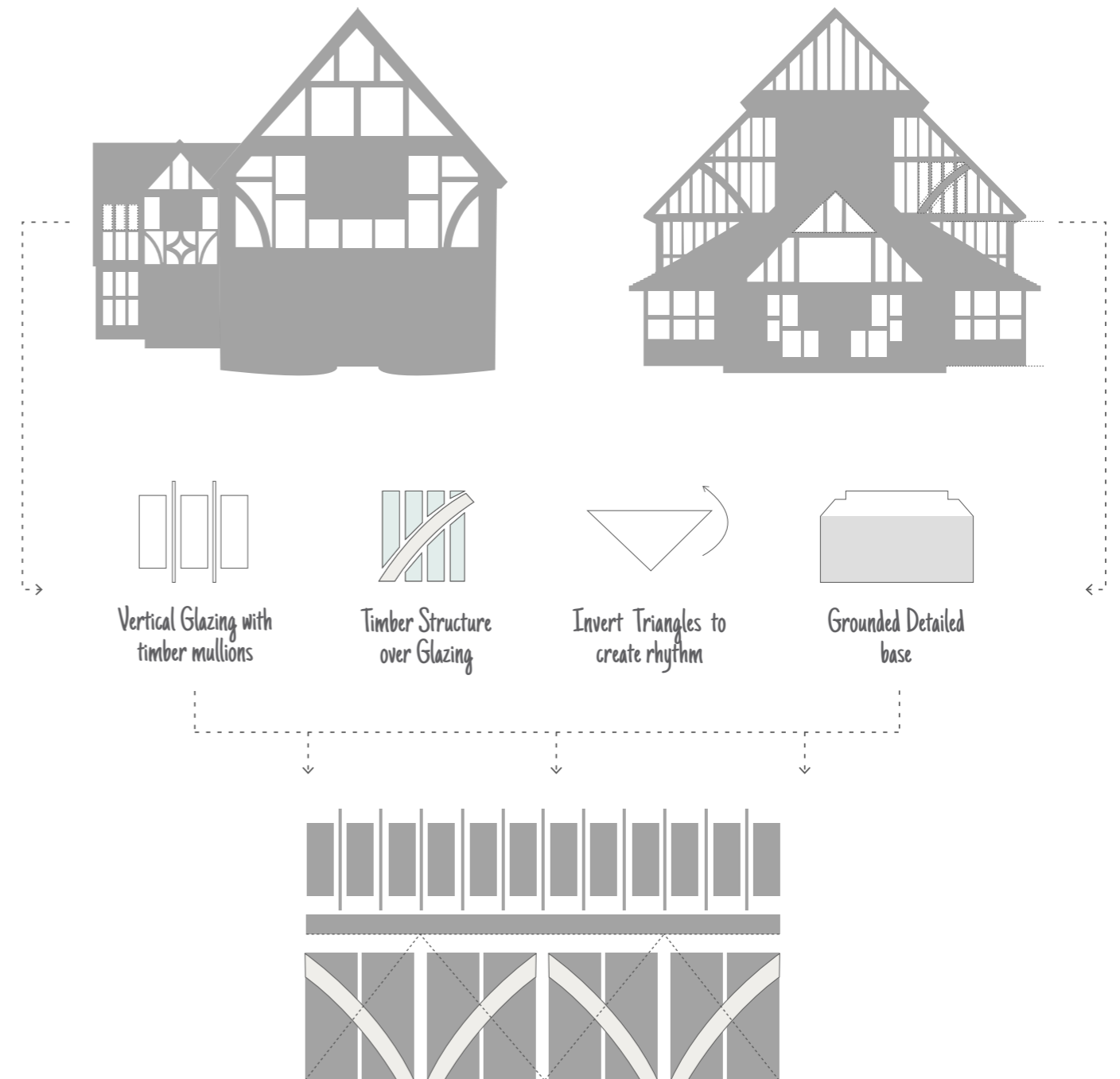
The design concept draws inspiration from notable Cranleigh resident William Heath Robinson who was famous for his illustrations depicting complex machines that undertake a simple function.

We really enjoyed the comparison between his illustrations and the inner workings of a leisure centre - a complex machine that performs a simple function; to help people be active.

Using the half timbering of Cranleigh Village Hall as a creative base, we have developed an elegant yet simple facade pattern that wraps around the building. The different layers of the facade create a feeling of complexity but is founded in simple patterns.

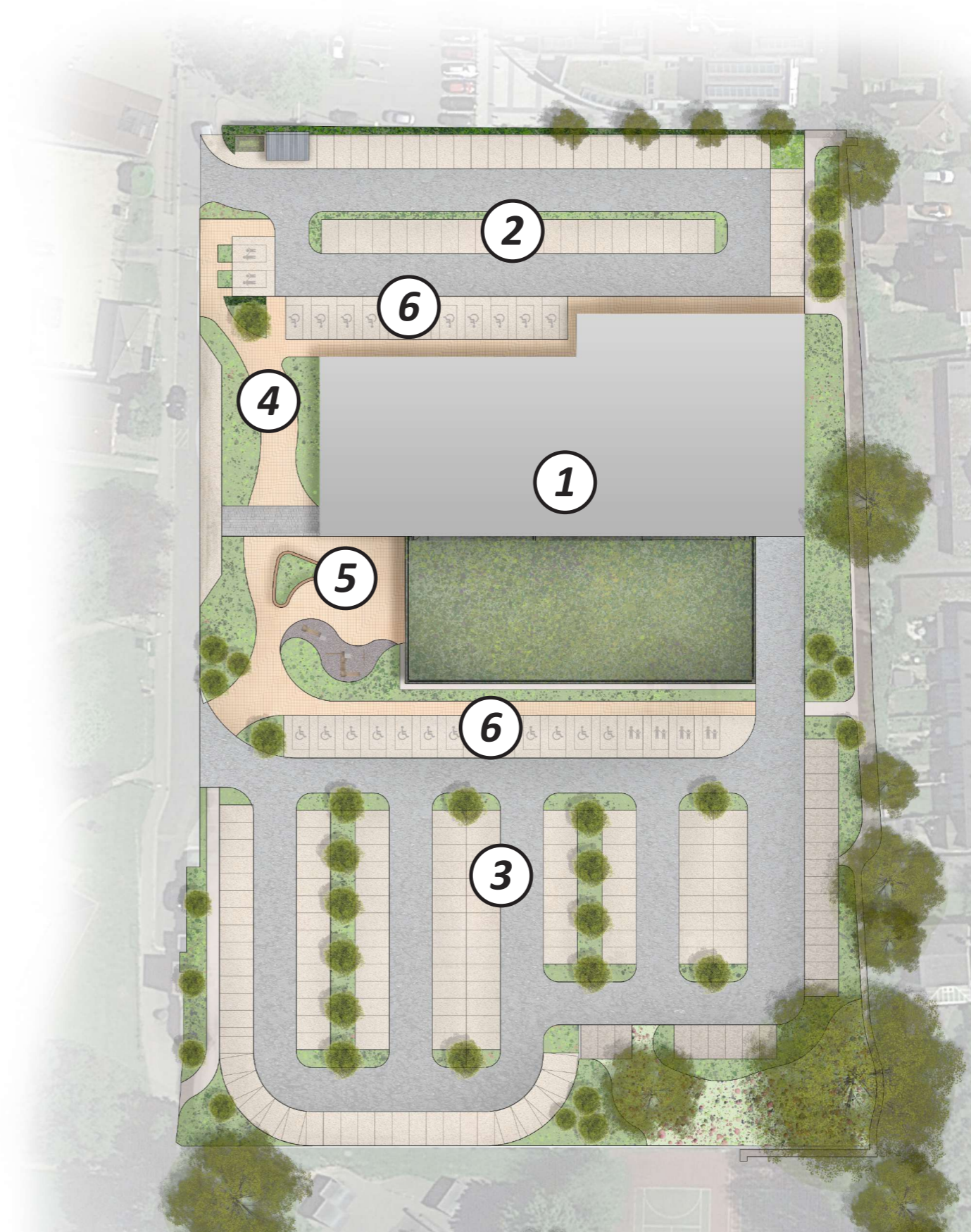


“Complex machines that do simple functions”



Site Plan

- 1** Cranleigh Leisure Centre
- 2** North Car Park
Approx. 67 spaces
- 3** South Car Park
Approx. 168 spaces
- 4** Landscaped Plaza
- 5** Entrance & Arrival Area
- 6** Accessible/Parent & Child
Parking Bays



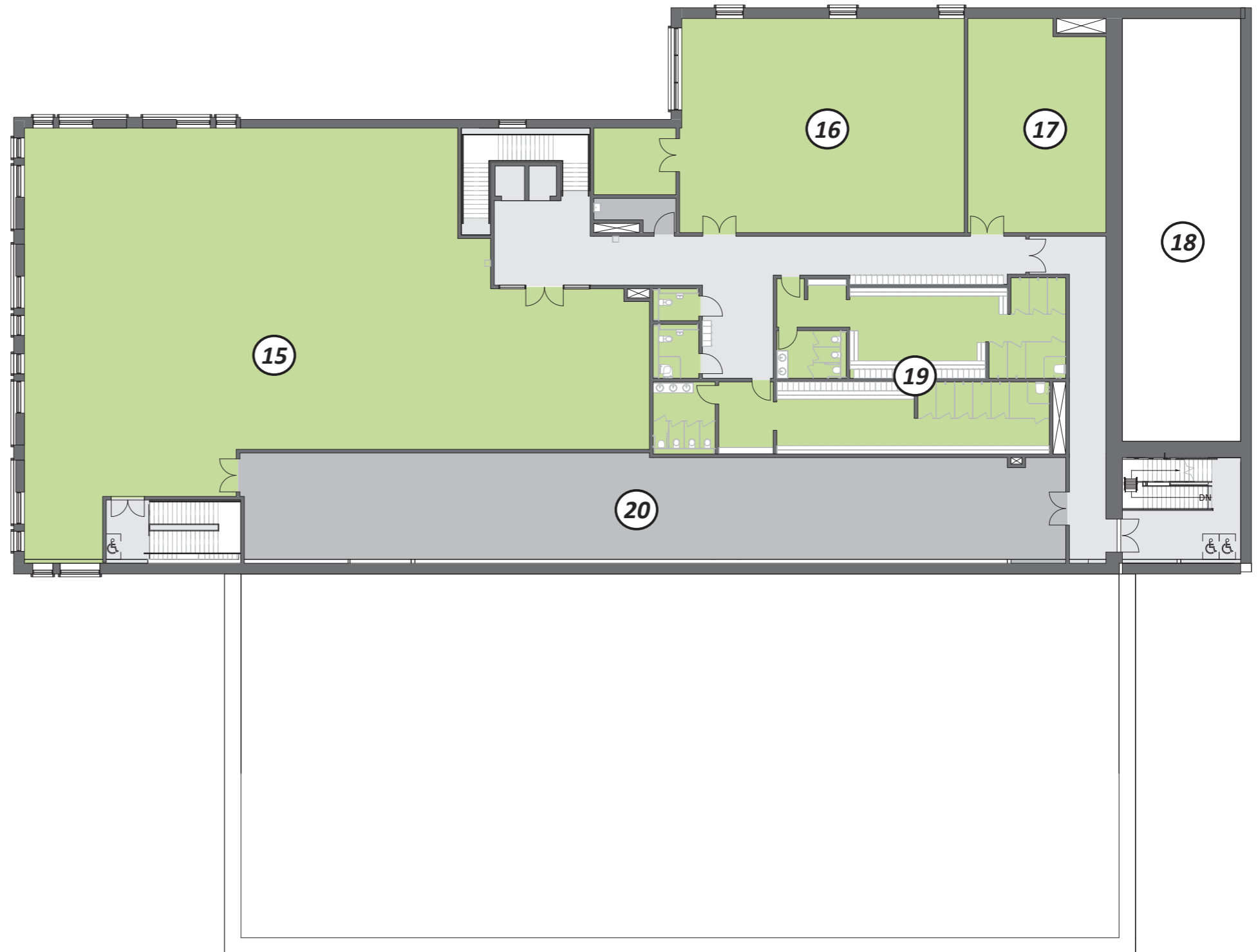
Ground Floor Plan

- 1** Main Entrance
- 2** Cafe
- 3** Soft Play
- 4** Admin
- 5** Studio 1
- 6** Multi-purpose Studio
- 7** Health Studio
- 8** Consultation Rooms
- 9** Changing Village
- 10** 25m 6 lane Main Pool
- 11** Main Pool Viewing Area
- 12** 13x10m Learner Pool
- 13** Learner Pool Viewing Area
- 14** Sauna & Steam Room



First Floor Plan

- 15 110 station Gym
- 16 Studio 2
- 17 Spin Studio
- 18 Plant Room
- 19 Fitness Changing Rooms
- 20 Plant Room



Concept Visualisations

These are work in progress images showing the emerging building design. They should help give an idea of what the new leisure centre could look like. The next step is to start considering the material treatment of the building. The images at the side of the page give an indication of the type of material palette that could be.



Concept Visualisations

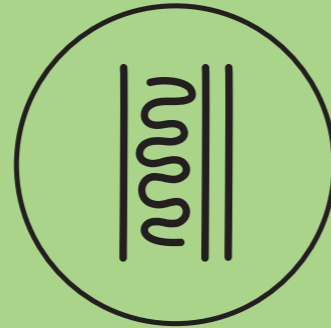
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What is Passivhaus?

Passivhaus is a low energy design standard that focuses on three criteria; energy, comfort and hygiene. The Passivhaus Institute sets building specific targets for each of these and then undertakes a detailed quality control process throughout the design process to ensure these targets are met.

Here are some of the strategies that the current proposal is focusing on:



HIGH LEVELS OF INSULATION TO LIMIT HEAT LOSS



HIGH PERFORMING TRIPLE GLAZING – LIMIT HEAT LOSS AND CONDENSATION IN POOL HALLS



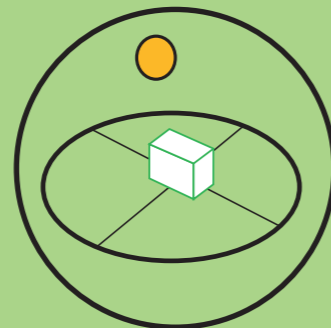
HIGH LEVELS OF AIR TIGHTNESS TO LIMIT INFILTRATION OF COLD AIR



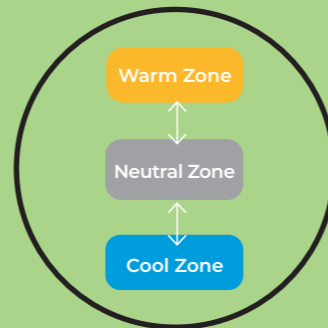
HIGH PERFORMING MECHANICAL VENTILATION WITH HEAT RECOVERY



THERMAL BRIDGE FREE DESIGN



OPTIMAL SOLAR ORIENTATION TO HARVEST USEFUL SOLAR GAINS



GOOD THERMAL ZONING – HOT ZONES ON THE SOUTH, COOL ZONES ON THE NORTH



HEAT PUMPS WHICH USE WASTE HEAT FROM GYM TO HEAT SPACE AND POOL WATER



RENEWABLES THE USE OF HEAT PUMPS AND PV SYSTEMS



USING WASTE POOL WATER FOR FLUSHING WCS

Passivhaus & Sustainability

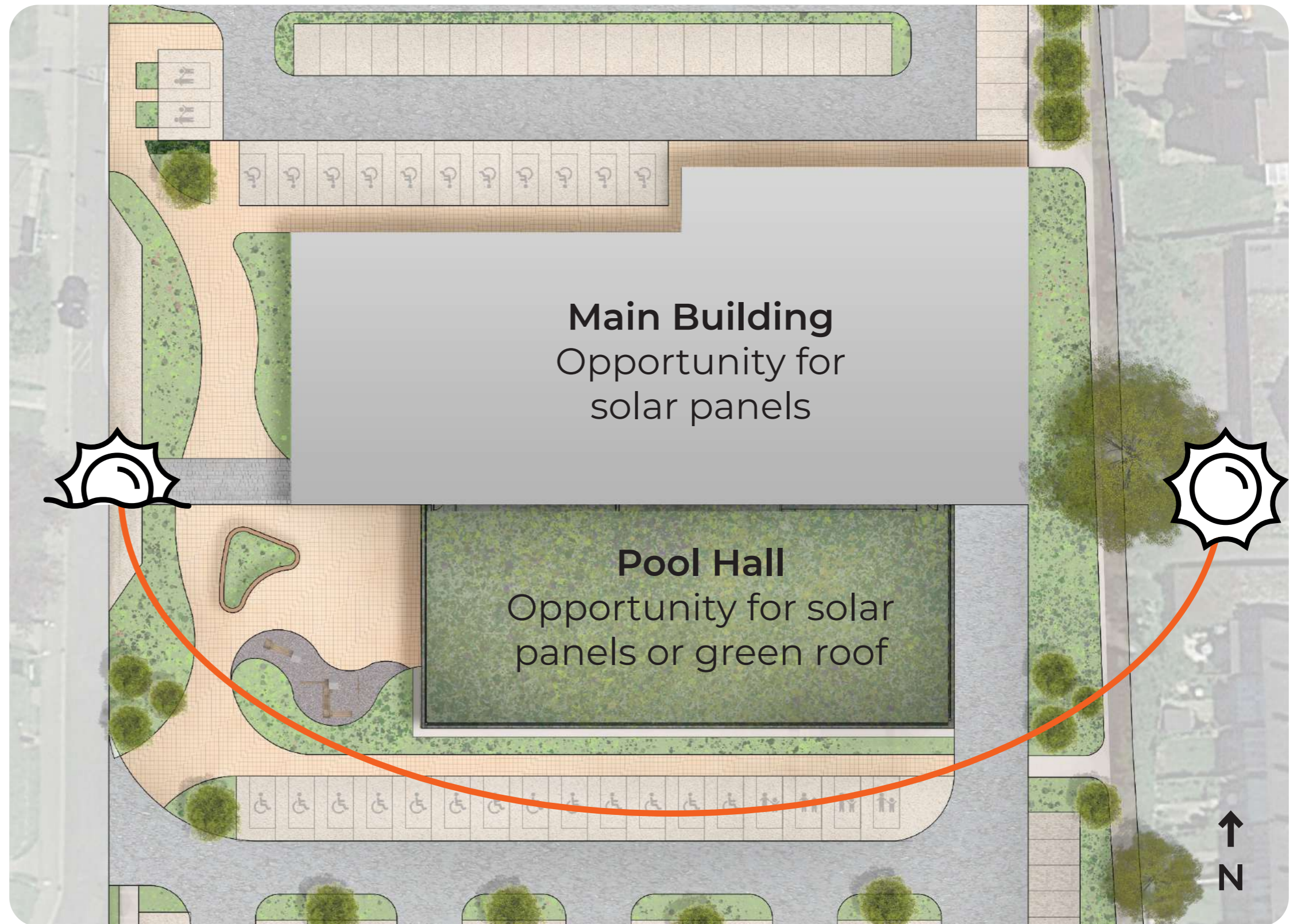
From the very beginning of the design process, the team have been mindful of utilising the strong environmental characteristics of the site.

The site has a strong south facing aspect with minimal overshadowing from the surroundings.

By placing the pool halls on the south side of the building, they can benefit from natural heating by the sun. Pools are usually the warmest spaces in a leisure centre and therefore traditionally use a lot of energy to heat. By using the sun to help heat the spaces, the energy required to bring the pool halls to the correct temperature is reduced.

The roof of the main building will also utilise the sun's path and prime orientation by having solar panels placed there.

The lower roof over the pool hall may also have solar panels or maybe a green roof, subject to further design and technical development



SUSTAINABILITY FACTS.

60%

less energy than
the previous leisure
centre (per sqm)

15%

of the centre's energy
will be provided by
solar panels

75%

reduction in the yearly
operational carbon
emissions. That's equal to
750 cars commuting 40
miles a day for a year!



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