3.8 Trees and Vegetation

A tree survey in accordance with BS 5837 (2005) 'Trees in relation to construction' has been carried out to provide an informed approach to proposed development. In general, the tree stock assessed is middle-aged and primarily of mixed broadleaved species of varying form and quality. A total of 37 trees, groups and hedgerows were assessed within the tree survey schedule which includes category 'B', category 'C' and category 'R' trees, groups and hedgerows. To the north-west boundary selected trees within the site are subject to Tree Preservation Order 328 of 1998 administered by Dacorum Borough Council.

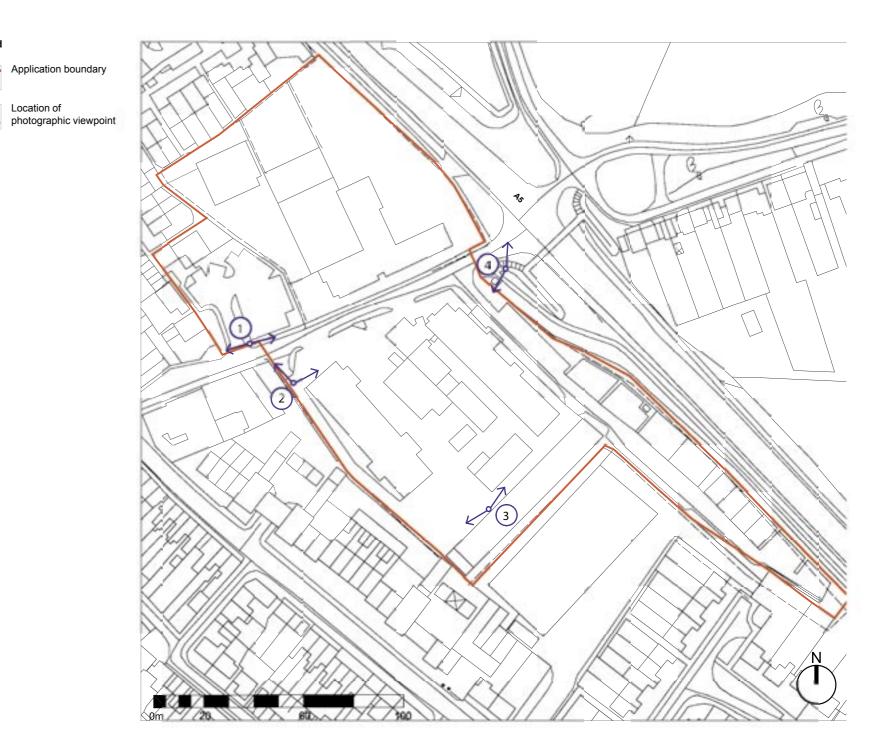
The principle arboricultural feature within the local and wider landscape is formed by the off-site linear group of lime trees located adjacent to Watling Street (A5). These trees form a verdant backdrop to the site and contribute positively to the street scene. They are therefore considered to be of high public visual amenity. Other off-site trees include linear groups of cypress located to the eat, south and west boundaries within residential gardens which provide screening at a local level to the industrial estate.

Within the site, tree cover is limited given the extensive areas of hard standing and buildings associated with the existing site use. Generally, these are of domestic scale or of poor form with the principle trees located to the west corner of the site and a linear mixed broadleaved hedgerow to the east of Hick Lane along the north boundary. Trees located within the site have been subject to a constrained rooting environment and are therefore likely to display an asymmetrical root morphology biased to soft ground areas. Careful consideration must therefore be given to tree retention where demolition is to occur within close proximity.



3.9 Visual Appraisal

The plan opposite illustrates the location of the photo location points within the site. The photographs 1-4 on the following pages then describe each of these views.



Location Plan showing photographic viewpoints within the site

Legend

3.9 Visual Appraisal



Photograph - Viewpoint 1

View looking south into the site from east to west along Hicks Road. Open views of the central and southern part of the site that occur from this location. To the east along the vista of Hicks Lane partial views look out to the A5 and open countryside on higher ground, views are limited by existing built form and boundary vegetation. To the west, there are partial views of builtform along Markyate High Street and site entrance. Extensive views in all directions are limited by the existing built form within and surrounding the site.



Photograph – Viewpoint 2

View looking north into site and east along Hicks Road to open countryside/Green Belt land. Views to the north are limited by existing built form and vegetation along boundaries. Properties along Roman Way are not visible. Views to the east are restricted by existing built form and vegetation. Distant views out are contained by the local ridgeline and sites setting within a valley.

3.9 Visual Appraisal



Photograph – Viewpoint 3

View looking west to east into the site from the southern boundary. Roofs of properties along the High Street are visible, views are restricted by close board fencing and vegetation along the property boundary. Views out of the site are restricted by existing built form and vegetation along the site boundary. The site is set lower than its surroundings in this location.



Photograph – Viewpoint 4

View looking west from the site entrance at Hicks Road/A5 junction. From this viewpoint on higher ground, looking down into the site and towards the village of Markyate, views through to the High Street are apparent. Views of the village of Markyate are restricted by existing built form on site. Views east to The Ridings and open countryside are limited by landform. The Chilterns AONB is apparent in distant views beyond the settlement of Markyate.

Visual Appraisal

The extent to which the Hicks Road is visible from the surrounding landscape is based on grading of degrees of visibility. It is determined from a visual appraisal of the site and its context from roads, public rights of way and properties. The adjacent plan is the visual summary of the existing site from the immediate surroundings. Seasonal change in existing evergreen and deciduous plant material will affect the available views.

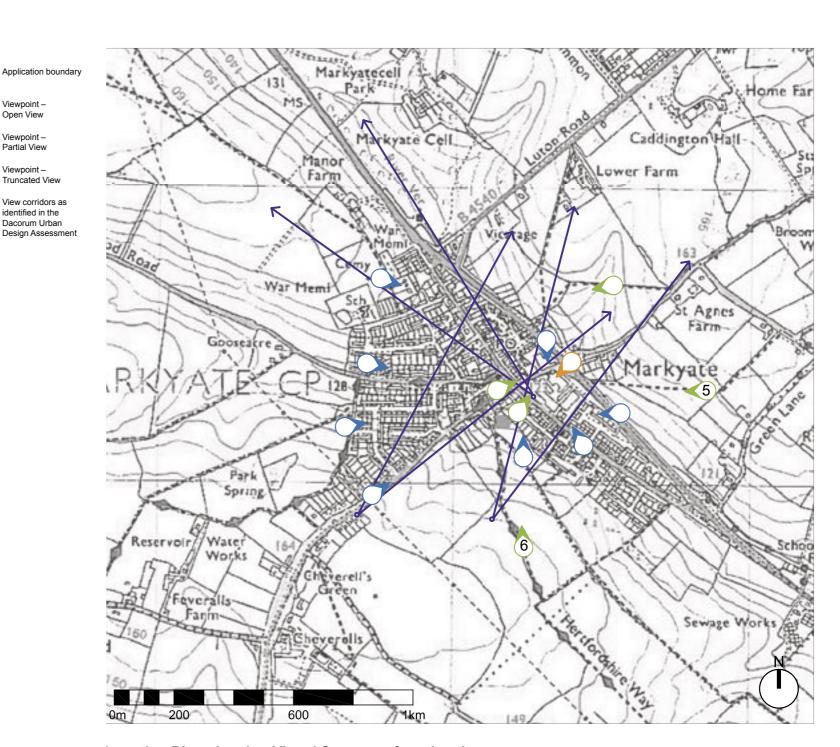
The extent of visibility of the site is limited to the locality of the site and Markyate, open views are contained due to a combination of vegetation, the existing built form and the topography both outside and within the site. From view points where the site is visible, it is sighted within the context of the village.

To indicate the degree of visibility of the site from any location, including from roads, public rights of way and properties, three categories have been use:

- a) Truncated View: No view of the site or the site is difficult to perceive:
- b) Partial View: A view of part of the site, or a filtered view of the site, or a distant view where the site is perceived as a small part of the view;
- c) Open View: A clear view of a significant proportion of the site within the wider landscape.

The Dacorum Urban Design Statement for Markyate (January 2006) identifies critical views within and out of Markyate. The visual appraisal has considered the views in relation to the site and its context to the village of Markyate.

Where the site is visible from the identified view corridors, the site sits within the context of the village of Markyate. In close proximity and within the site, Hicks Road provides a vista out to Green Belt land to the north east and beyond the village of Markyate to the Chilterns AONB.



Location Plan showing Visual Summary from local area

Truncated View

3.9 Visual Appraisal



Photograph – Viewpoint 5

View from public footpath in Green Belt land looking west towards the site, to the settlement of Markyate and AONB land beyond. Visibility of the site is obscured by vegetation along the A5 transport corridor. The site is viewed within the village of Markyate.



Photograph – Viewpoint 6

View from Hertfordshire Way within the AONB looking north towards the Site and the settlement of Markyate and Green Belt. Views of the site are obscured due to the topography and by vegetation. Roof lines of buildings within the site are visible.

3.10 Open Space and Play Analysis



Plan illustrating the existing open space, play and links

4. Hicks Road Site Masterplan

4.1 An Opportunity for Regeneration

The Hicks Road site is the only large-scale brownfield site within Markyate and benefits from being located close to the heart of the village. The existing buildings on-site are largely inefficient, with many in a poor state of repair. The future redevelopment of the site provides an exciting opportunity to replace the existing industrial estate with a sustainable form of development which will be capable of delivering significant benefits for the entire village – this will include:

- the provision of new homes (approximately 80) to meet local housing needs within the village and wider Borough – including new family housing with gardens and 1 and 2 bedroom apartments;
- the provision of modern business
 accommodation including new office space,
 light industrial space (Class B1) and storage
 units (Class B8), designed to meet current and
 long-term demand/market requirements for new
 business space within Markyate and the wider
 Borough;
- the creation of a new public square (centred on Hicks Road) to provide a new focal point for the development and the wider village. The new square will also encourage café and restaurant uses and provide useable space for the village community;

- the creation of a vibrant and integrated mixed-use quarter (centred around the public square) – integrating new the residential, retail, commercial and community floorspace to create vibrancy/activity within the heart of the development;
- the inclusion of affordable housing as part of the new residential component – including intermediate and rented accommodation. Again designed to meet local housing needs;
- the provision of small-scale retail uses (Classes A1/A2/A3 and A4) to add life and vibrancy to the new public spaces and to complement the role and function of the existing High Street;
- the potential to replace the existing surgery (from Hicks Road) with a new and expanded surgery/PCT unit within the development

 reflecting local aspirations to improve local healthcare facilities;
- the re-provision of the existing public car park (currently adjacent to the surgery) within the new development - to ensure that future parking needs can be catered for within the village;
- the provision of a residential care-home as part of the mix of residential accommodation to be provided on-site;

- the opportunity to improve Hicks Road both as a important vehicle link between the High Street and A5, but also to improve the pedestrian environment and to improve links to the surrounding countryside;
- to mitigate the existing flood risk issues at the site and investigate the options for partially deculverting the River Ver;
- to remove the existing utilitarian buildings from site and remediate existing on-site contamination (resulting the site's longstanding industrial use);
- options for improving accessibility in the area and better integrate the future land uses with accessibility and local public transport facilities

 in order to improve the accessibility of the site
 by non-car modes and reduce the prospect of inward/outward commuter trips from the wider village;
- options for achieving a more sustainable pattern of development – i.e. reducing car uses, providing support facilities (i.e. café/ shops) for the estate and wider community, considering estate wide waste management plans; target achieving Code for Sustainable Homes Level 3 (or higher if required by national



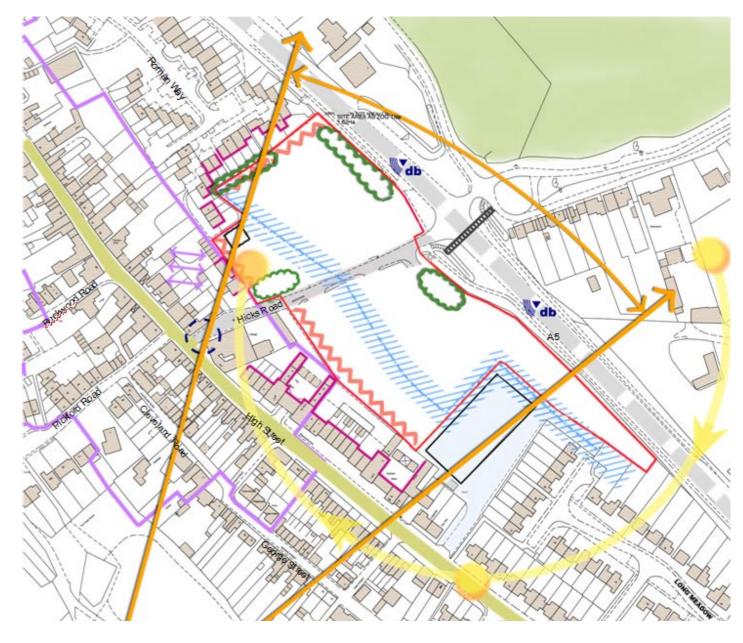
4. Hicks Road Site Masterplan

4.2 Constraints

The existing estate and Masterplan area suffers from a number of constraints/deficiencies:

- the internal layouts of a number of the existing estate buildings are inefficient and provide only very basic facilities/amenities. Furthermore, many of the buildings are in a poor state of repair and are now at a point where they need to be replaced;
- the majority of the buildings are utilitarian in appearance and detract from the local streetscene and wider views of the site;
- some buildings contain asbestos and there contamination arising from the previous industrial activities;
- due to the shortcomings of the existing site, employment levels within the estate are low;
- the site arrangement is currently very inefficient, with large areas of hardstanding provided throughout the estate, much of which is under used or utilised for open storage (which has the potential to impact upon neighbours);
- there is little soft landscaping within the estate and along Hicks Road;
- the River Ver culvert runs centrally beneath the site and parts of the site have previously suffered from flooding (and are indicated on the Environment Agency Flood Maps as being in an area of flood risk);
- the junction between Hicks Road and the A5 is poor;
- the junction between Hicks Road High Street suffers from a 'pinch point' which restricts the flow of traffic:

- the arrangement of the site has created a poor urban environment;
- the estate makes little contribution to the character of the adjoining conservation area and setting of the nearby listed buildings;
- permeability and pedestrian links along Hicks Road and through the existing estate are currently poor;
- the A5 corridor has the potential to give rise to bad neighbour impacts – such as noise and air quality concerns;
- the Masterplan area is bounded by a number of residential properties – with the existing buildings and estate is poorly related to a number of properties (which has the potential to give rise to amenity concerns);
- the existing estate is poorly related to the wider urban setting – particularly in terms of the wider views of the estate from the west;





4. Hicks Road Site Masterplan

4.3 Opportunities

The proposed Masterplan is focused on providing a development solution which addresses the existing deficiencies/constraints associated with the estate and creates a built form which positively responds to the local context. Our initial analysis has identified the following opportunities which can be delivered by new development:

- the opportunity to remove the existing utilitarian buildings and the creation of a new built form which responds to the local context, and the wider setting and character of the village;
- the opportunity to create a new focal point within the village – through the provision of new public open spaces/public realm (including a public square). Thereby providing useable public space close to the centre of the village;
- the opportunity to deliver a genuine mixed of uses - including new residential, commercial, business and community floorspace, targeted at providing a better relationship with the neighbouring uses; improving vibrancy and creating a more contextual street pattern;
- the opportunity to deliver substantial new private and affordable residential accommodation – to assist in meeting local housing needs and to reduce pressure on the potential release of 'green belt' sites;
- the opportunity to achieve a better arrangement/layout within a new development

 focusing the commercial/business uses towards the A5 corridor and the residential uses towards the existing boundaries with neighbouring residential properties, thereby reducing the prospect of bad neighbour impacts;

- the opportunity to improve Hicks Road as a through route – by assessing options to improve access onto the A5 and improve the junction between Hicks Road and High Street;
- the opportunity for mitigating flood risk and deculverting part of the River Ver within the site;
- the opportunity to develop a comprehensive urban design strategy for the future redevelopment of the estate and recognising the opportunity to deliver a development which recognises that the site sits at an important gateway within the village;
- the creation of clear, safe and legible pedestrian routes and new areas of public realm throughout the estate and strengthening links both with the village and the surrounding countryside (to the east of the A5);
- the opportunity to integrate the Hicks Road site into the village centre zone by providing/ enhancing pedestrian links, delivering new public spaces, providing more active uses, and achieving a more domestic scale of development;



5. Hicks Road Site Specific Issues

5.1 Introduction

As noted within our earlier analysis, there are a number of 'site specific' issues which will need to be addressed by the future development. Each of these issues is likely to affect the final design, layout and content of the future development. This will include:

- Employment considerations and the existing tenants:
- Developing a Transport and Movement Strategy;
- Car Parking Strategy;
- Flood Risk;
- Contaminated Land;
- Ecology;
- Relocation of the existing surgery.

5.2 Employment Considerations and Existing Tenants

The redevelopment of the site offers the opportunity to regenerate and strengthen the current employment opportunities presented by the site. GVA Grimley previously completed a review of the existing Masterplan area and the wider demand/supply of business/employment floorspace within the Borough, their analysis has fed into the formulation of the Masterplan proposals. They advised that:

- the building stock within the estate is dated and not fit for purpose - with the exception of Sharose Court and the relatively large building to the south east of the Masterplan site, which are in good conditions;
- employment density is very low at the site with currently only c.40 people employed from Markyate and the surrounding areas. Approximately half of the employment currently within Sharose Court, leaving relatively few employees on the majority of the site;
- the appropriateness of such a large industrial site just behind the High Street is questionable and gives rise to potential conflict with neighbouring residential uses;
- manufacturing employment and employment in distribution (which are the main occupiers of industrial sites) has seen a long term decline, which is projected to continue;
- office based employment has been steadily increasing and is forecasted to further grow;
- the site has the potential to replace the existing failing estate with a local employment offer which is in line with projected economic trends;
- there is benefit in retaining the existing Sharose Court buildings and providing additional light industrial buildings (within this part of the site) to extend this offer:

- the provision of small, flexible office/business units within a wider mixed-use scheme would give opportunity for local employment – and could compensate for the loss of jobs from the existing site uses;
- employment within any retail element and possibly care-home would add additional employment opportunities to the local economy;
- new business space can be managed and located to ensure that it does not create amenity concerns for existing and proposed residential uses. The will also provide the opportunity to improve conditions for residents who adjoin the site;
- a mixed use development on the site would contribute to meeting local housing need within the Borough, whilst providing employment in line with future economic trends and local demand.

Whilst the existing estate is considered to provide poor quality business accommodation (with a number of the current buildings currently vacant), it is recognised that there existing businesses located at the site. ZBV and their agents (Brasier Freeth) are continuing to engage with the existing tenants at the site to ascertain their future needs and options for accommodating these requirements within the redevelopment. Where this is not possible ZBV will work with Dacorum and local agents to discuss relocation (either temporarily whilst the redevelopment takes place or on a permanent basis).



5. Hicks Road Site Specific Issues

5.3 Developing a Transport and Movement Strategy

A transport and movement strategy for the Masterplan site will be developed in consultation with Hertfordshire County Council (as highway authority) and Dacorum Borough Council as local planning authority. The transport and movement strategy will focus not only on means of access to the site but also the movement of people and goods to, from and within the development. The overarching objectives for the strategy will be:

- to implement a Travel Plan Framework (TPF), which will seek to influence travel behaviour with the aim of reducing the need to travel, especially by private car and encourage future tenants, residents and business to use more sustainable forms of transport;
- to promote the use of public transport, walking and cycling but will also be realistic about car use, promoting car-share where necessary and also investigating the viability of a Car Club for Markyate;
- to assess the functioning of any local junctions in terms of operational capacity and highway safety - including Markyate's three junctions onto the A5 as well as the junction between Hicks Road and the High Street;
- to develop a comprehensive site wide access strategy – initially the Masterplanning team considered options for severing Hicks Road in order to provide a pedestrian only central public square. Further assessment work has now suggested that the redistribution of traffic may not be acceptable on Watling Street and the High Street, so the Masterplan now proposes to retain Hicks Road as a through route, albeit via a central shared space where traffic speeds will be reduced to allow pedestrians and cars to move safely and efficiently alongside one another;

- to incorporate best practice and Home Zone principles within the development to give equal priority to pedestrians, cyclists and drivers;
- to look at options to direct all service vehicles (which visit the future development) to enter and leave the Masterplan site via the A5 to reduce any impact on the High Street and wider village;
- to strengthen pedestrian links between the site and the High Street in order that the new facilities will be fully integrated into the village for local residents.



5.4 Car Parking Strategy

The Masterplan will include a comprehensive car parking strategy. At this stage, the intention is also to incorporate the existing public car park adjacent to the surgery (which provides 37 parking spaces).

The future parking strategy will provide new public car parking within the development – at very least equivalent to the current parking provision, but with an aspiration to increase publically available spaces. Furthermore, parking will also be provided for the individual uses (within the development) in accordance with Hertfordshire County Council's and Dacorum Borough Council's current parking standards.

Census data for the Watling ward shows that, even allowing for growth since 2001, average car ownership in Markyate is currently around 1.78 vehicles per household including 11% of households with no vehicle. If dedicated parking spaces are allocated to every unit then there may be unused spaces in some locations and an under-provision elsewhere. The residential parking strategy therefore includes a mix of communal parking areas and dedicated off-street parking provision, appropriate for the size and tenure of the dwellings. Additional on-street informal parking will be available for visitors and designed in to the highway layout.

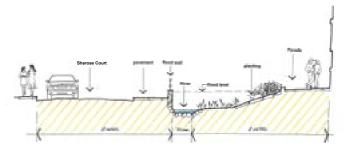


5.5 Flood Risk

The existing Markyate Industrial Estate is shown on the Environment Agency's indicative flood map to be located partially within Flood Zones 2 and 3 of the River Ver. However, the flood map does not take the upstream flood storage area (at Markyate Cell) into account, which is known to protect Markyate from flooding up to at least the 200 year event. Therefore, the site would not flood for events below 1 in 200 years, unless the upstream flood storage failed or the flood bund was breached; the Markyate flood defences are currently considered to be in 'good' condition.

However, there have been recent incidents of flooding on Hicks Road and these are understood to be a result of the Thames Water sewers becoming surcharged. In order to assist in resolving this, in consultation with the Environment Agency and Thames Water. The new development will reduce levels of surface water runoff.

In preliminary correspondence with the Environment Agency, the partial deculverting of the River Ver has been discussed and is considered to provide flood risk, biodiversity and visual benefits to the area. These measures could be combined with the creation of a water feature within the proposed area of public open space on the northern side of Hicks Road, to significantly improve the extent and quality of open water in the area.



5. Hicks Road Site Specific Issues

5.6 Contaminated Land

A preliminary assessment of ground conditions in the form of a desk study is currently being prepared. Review of historical data for the site and a site reconnaissance visit has already been undertaken.

The site is utilised for generally commercial and industrial purposes although many of the units present appear to be vacant and falling into some disrepair.

The River Ver runs culverted through the centre of the site. The site is recorded as being located on the chalk, a principal aquifer. Superficial alluvial deposits are also recorded as being present. This is in conjunction with the general area being largely residential in nature suggests that the site is of some environmental sensitivity.

Historical mapping indicates that the general current layout of the site appears to have been in place by the 1950's prior to which much of the land appears to have been mainly utilised for agricultural purposes. From the time of development the site is indicated to be occupied mainly by engineering works although a garage is also present. The site reconnaissance undertaken indicates that these historical land uses continue to today. Potentially contaminative land uses are present across the site, which include hot metal treatment, vehicle repair (including oil and lubricant handling), aluminium and uPVC window and door fabrication, and precision metal fabrication. Both underground and above ground storage tanks are known to be present on site.

There is widespread evidence of localised spillages of petroleum hydrocarbons on the site in the form of staining on hardstanding. Anecdotal evidence suggests that some localised pollution of the River Ver has recently occurred and that process waste, potentially cyanide bearing, may have been historically buried on site.

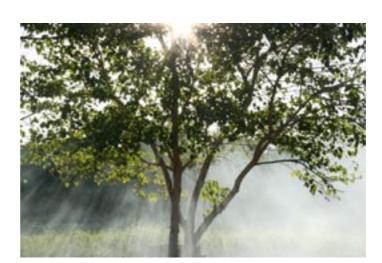
Therefore, based upon the above information gathered to date it is considered probable that current and historic site activities have resulted in at least localised contamination of ground materials. Furthermore, it cannot be discounted that more significant contamination may also be present. The proposed development will therefore offer significant benefits in terms of land remediation which would result in significant betterment of the overall ground conditions within the general area.

5.7 Ecology

The site entirely comprises of buildings and hardstanding, with only small remnant patches of amenity grassland which is of negligible ecological value. Although the River Ver passes through the site, this is culverted and buried beneath concrete with only a small opening at the side of Hicks Road, which often contains no water and no aquatic vegetation. A number of young trees form the boundaries of the site.

The majority of the buildings on site have no enclosed roof spaces or cavities that could support roosting bats, with buildings being of flat roof construction or containing pitched corrugated roofing.

An ecological assessment of the site is currently being carried out and it is anticipated that the findings from this will identify that there are not any significant ecological constraints associated with the site.





5.5 Relocation of Existing Surgery

The Markyate Surgery is located to the north of Hicks Road, and is included within the Masterplan area.

Preliminary discussions have been held with the Surgery and the regeneration of Hicks Road presents the opportunity to create an enlarged Community Health Centre as part of the future redevelopment. This would be a major benefit to the entire village community.

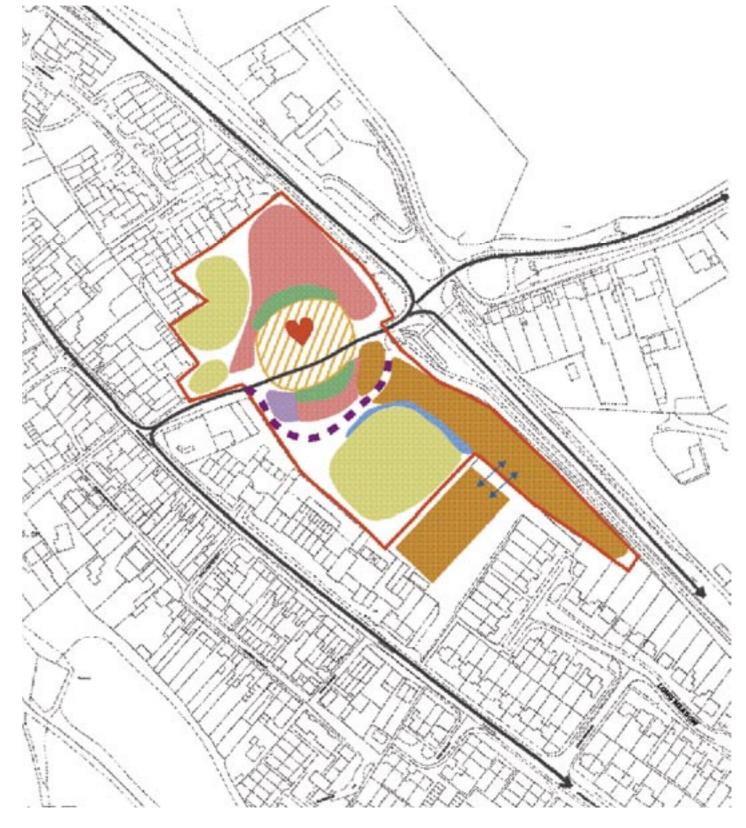


6.1 Conceptual Diagram

Based on the opportunities and constraints associated with the site, the following conceptual diagram has been developed to identify the broad objectives for a new development. The conceptual diagram is based on:

- developing a new public square at the heart of the site, this will become the focus for activity within the future development and provide the opportunity to develop an outdoor café culture. The square is also located to be visible from the High Street so as to form a logical link with the village central zone;
- providing a mix of uses around the central square – including retail, commercial space and residential uses to stimulate activity and vibrancy, and to create a destination to encourage people to visit and stay;
- to develop new residential zones (based on the Home Zone concept) to the north and south of Hicks Road, which sit adjacent to the existing residential areas which adjoin the site;
- to locate the new community health facility close to the new central square to ensure it is accessible to all;
- retain the existing industrial units along Sharose Court (adjacent to the A5) and make this the focus for employment activity – but also provide smaller business units within the mixed-use areas of the scheme to meet local business requirements;
- to partially de-culvert the River Ver to the south of Hicks Road (to be progressed in consultation with the Environment Agency);
- to retain Hicks Road in its current location, but introduce traffic calming measures adjacent to the public square to ensure the space is useable by all.

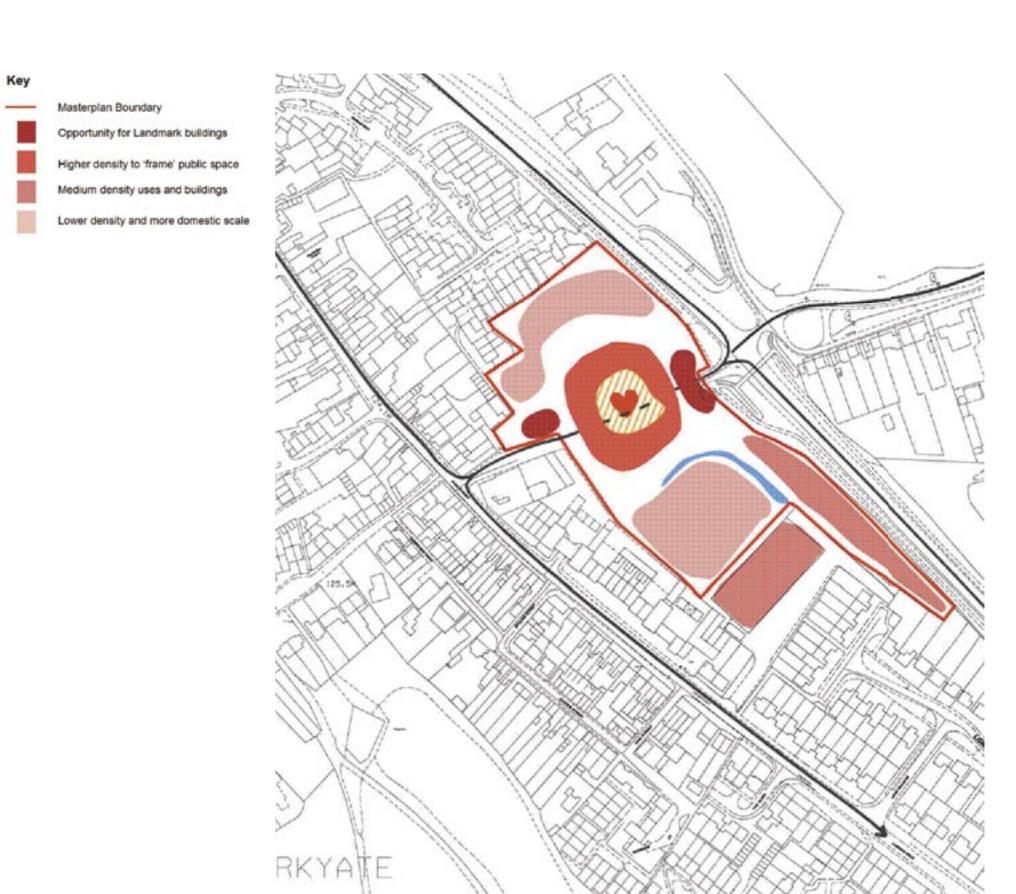




6.2 Townscape Approach

The overarching objective is to develop a distinctive development which is well related to the surrounding context, but which creates new interesting spaces and buildings which will add to character of Markyate. From our analysis, the core townscape objectives for the Masterplan area will be:

- to create a strong central square within the heart of the development, surrounded by active uses to animate the space – and thereby extend the village central zone into the new development;
- to provide a higher density of built form around the central square (i.e. buildings including retail/commercial uses at ground floor with residential uses above);
- to recognise the opportunity to provide more prominent development at the junction of Hicks Road and the A5 – to identify one of the principal gateways into the centre of Markyate;
- to provide a more domestic urban form to the north and south of Hicks Road, reflecting the form/nature of the adjacent residential properties – integrating the wider development into the inner zone with the village;
- to locate the more industrial type of development towards the A5 corridor.



6.3 Approach to Open Spaces

The proposed redevelopment offers the opportunity to create new open spaces and areas of public realm for use by the future occupants of the development and the wider village community. This will include a mix of public, communal and private spaces – including:

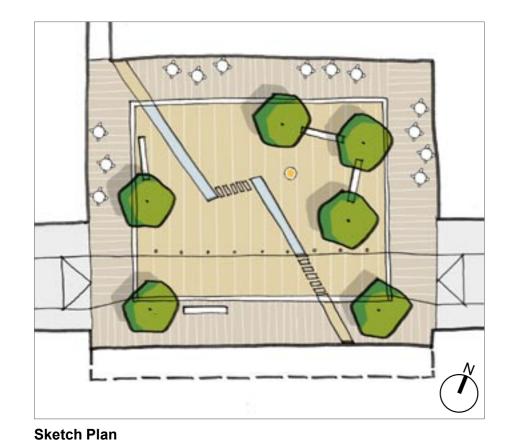
- a strong central square incorporating a mix of hard and soft landscape and intended to become a focus of community activity;
- new green spaces within the proposed residential areas to provide recreation and play opportunities;
- the River Ver corridor the partial de-culverting of the River Ver will provide the opportunity to create new space around the river;
- the provision of private gardens for use by future residents.

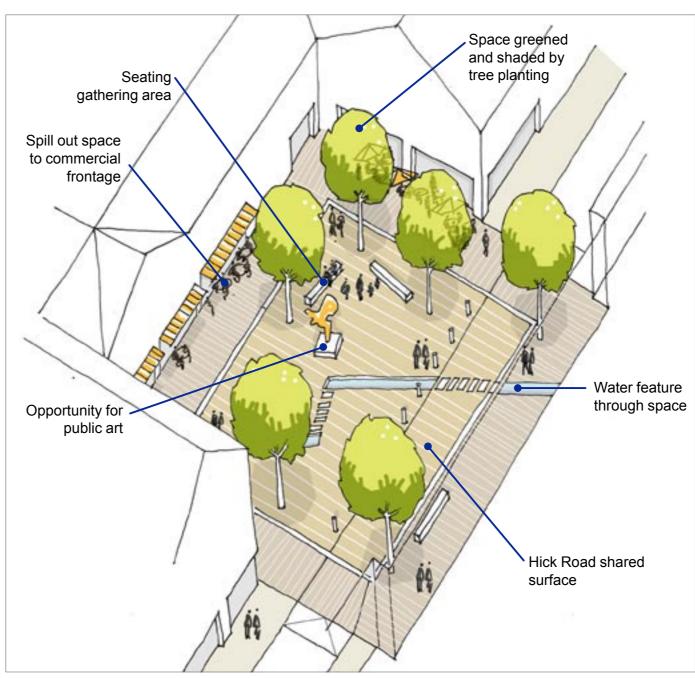
In addition to the above, the future development will also be focused on improving connectivity across the site to the open spaces (including the Markyate Cell) located to the east of the A5.





6.4 Example Area 1: Public Square

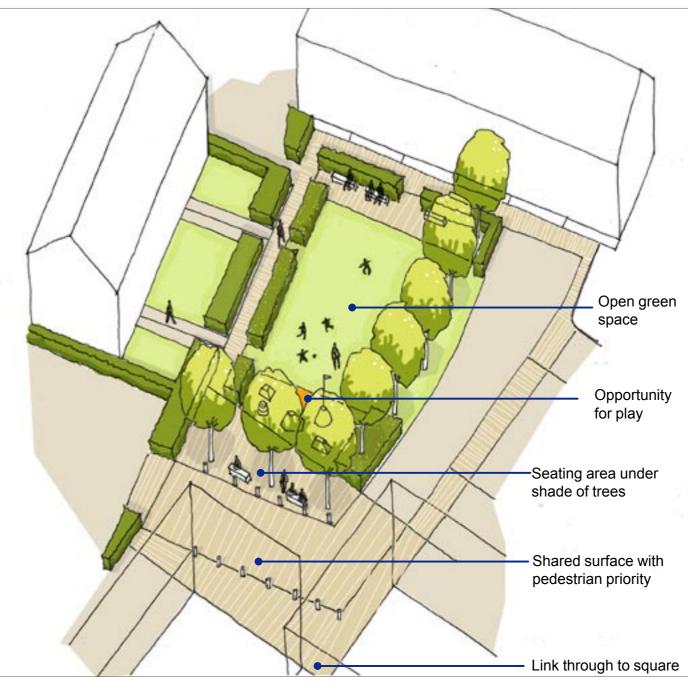






6.5 Example Area 2: Homezone







Illustrative View Precedent Images

7. Summary

7.1 Hicks Road Masterplan - Summary

The Hicks Road site is the only large-scale brownfield site within Markyate and benefits from being located close to the heart of the village. The existing buildings on-site are largely inefficient, with many in a poor state of repair. The future redevelopment of the site provides an exciting opportunity to replace the existing industrial estate with a sustainable form of development which will be capable of delivering significant benefits for the entire village – this will include:

- the provision of new homes (approximately 80) to meet local housing needs within the village and wider Borough;
- the provision of modern business accommodation – including new office space, light industrial space (Class B1) and storage units (Class B8);

- the creation of a new public square (centred on Hicks Road) to provide a new focal point for the development and the wider village;
- the creation of a vibrant and integrated mixeduse quarter (centred around the public square)
 integrating new the residential, retail, commercial and community floorspace;
- the inclusion of affordable housing as part of the new residential component – including intermediate and rented accommodation;
- the provision of small-scale retail uses (Classes A1/A2/A3 and A4) to add life and vibrancy to the new public spaces and to complement the role and function of the existing High Street;
- the potential to replace the existing surgery (from Hicks Road) with a new and expanded surgery/PCT unit within the development;
- the re-provision of the existing public car

parking (currently adjacent to the surgery) within the new development;

- the provision of a residential care-home as part of the mix of residential accommodation to be provided on-site;
- to mitigate the existing flood risk issues at the site and investigate the options for partially deculverting the River Ver;
- to remove the existing utilitarian buildings from site and remediate existing on-site contamination (resulting the site's longstanding industrial use);
- the opportunity to improve accessibility in the area and better integrate the future land uses with accessibility and local public transport facilities:
- the opportunity to achieve a more sustainable pattern of development.

The overarching objective for the Masterplan is to create a sustainable community, which will be an interesting place for people to live, work and visit. Furthermore, the intention of the Masterplan is to also achieve a number of wider benefits for the local Markyate community offering a genuinely inclusive development opportunity.

