

AGENDA



CABINET

MONDAY, 15 OCTOBER 2012

10.00 AM

**COUNCIL CHAMBER, COUNCIL OFFICES, ST PETERS HILL,
GRANTHAM**

Beverly Agass, Chief Executive

MEMBERS: Councillor Mrs. Linda Neal (Leader/Portfolio: Policy, Strategy and Strategic Partnerships), Councillor Paul Carpenter (Deputy Leader & Portfolio: Governance & Communication), Councillor Mrs Frances Cartwright (Portfolio: Grow the Economy and Economic Development), Councillor John Smith (Portfolio: Green, Healthy and Arts), Councillor Mike Taylor (Portfolio: Strategic Resources - Well Run Council) and Councillor Teri Bryant (Portfolio: Good Housing)

Committee Support Officer: Lucy Bonshor 01476 40 61 20
e-mail: l.bonshor@southkesteven.gov.uk

Members of the public are entitled to attend the meeting of the Cabinet at which key decisions will be taken on the issues listed on the following pages. Key decisions are marked *.

1. APOLOGIES

2. MINUTES OF THE MEETING HELD ON 1 OCTOBER 2012

(Attached)

3. DISCLOSURE OF INTERESTS (IF ANY)

4. *DRAFT SOUTHERN QUADRANT MASTERPLAN SUPPLEMENTARY PLANNING DOCUMENT APPROVAL FOR PUBLIC CONSULTATION

Report number PLA954 by the Portfolio Holder for Grow the Economy and Economic Development. **(Attached)**

5. MATTERS REFERRED TO CABINET BY THE COUNCIL, SCRUTINY COMMITTEE OR THE POLICY DEVELOPMENT GROUPS

6. ITEMS RAISED BY CABINET MEMBERS INCLUDING REPORTS ON KEY AND NON KEY DECISIONS TAKEN UNDER DELEGATED POWERS.

7. REPRESENTATIONS RECEIVED FROM NON CABINET MEMBERS

8. ANY OTHER BUSINESS WHICH THE CHAIRMAN, BY REASON OF SPECIAL CIRCUMSTANCES, DECIDES IS URGENT



MEETING OF THE CABINET
1 OCTOBER 2012 - 11.00 AM – 11.29 AM

PRESENT:

Councillor Mrs Frances Cartwright
Councillor John Smith
Councillor Mike Taylor
Councillor Teri Bryant

Councillor Mrs. Linda Neal - Chairman

Chief Executive (Beverly Agass)
Strategic Director Community & Environment (Tracey Blackwell)
Strategic Director Development & Growth (Ian Yates)
Strategic Director Corporate Focus (Daren Turner)
Head of Development & Growth (Mark Williets)
Service Manager Planning Policy & Partnerships (Karen Sinclair)
Head of Finance (Richard Wyles)
Head of Legal & Democratic Services/Monitoring Officer (Lucy Youles)
Cabinet Support Officer (Lucy Bonshor)

Non-Cabinet Members : **Councillor Bob Adams**
 Councillor Nick Craft

CO17. APOLOGIES

An apology for absence was received from Councillor Paul Carpenter.

CO18. MINUTES

The minutes of the meeting held on 20th August were approved as a correct record of the decisions taken.

CO19. DISCLOSURE OF INTERESTS (IF ANY)

No interests were disclosed.

CO20. *DRAFT WIND ENERGY SUPPLEMENTARY PLANNING DOCUMENT:
APPROVAL FOR PUBLIC CONSULTATION

Decision:

Cabinet approves the draft Wind Energy Supplementary Planning Document (appended to report PLA 945) for the purpose of public consultation.

Considerations/Reasons for decision:

- (1) Report PLA945 by the Portfolio Holder for Grow the Economy and Economic Development.
- (2) The National Policy on renewable energy was set out in the National Planning Policy Framework. It indicated that local planning authorities should take a positive approach to renewable energy projects and that there was a responsibility on all communities to contribute to energy generation from renewable or low carbon sources.
- (3) The local policy framework against which proposals in the District for wind energy developments would be assessed were set out in policies EN1 (Protection and Enhancement of the Character of the District) and EN3 (Renewable Energy Generation).
- (4) The purpose of the Wind Energy SDP was to support the implementation of the above policies and provide guidance to planning officers, elected Members, developers, local communities and the public.
- (5) The drafting of the SPD had been supported by Land Use Consultants (LUC) who had been appointed following a procurement process and had particular experience in renewable energy issues.
- (6) Informal consultation had been carried out with Parish Councils, Statutory Consultees (English Heritage, Natural England etc) and local interest groups by LUC from 21st May to 15th June 2012 on key issues/topics to be included in the SPD together with Members and Planning Policy Officers including the Communities PDG.
- (7) The preparation of the SPD would help to provide greater certainty and consistency when considering proposals for wind energy development regardless of the scale and this would help local communities, their representatives and developers to better understand the key issues in the determination of these applications.
- (8) Comments made by Members with reference to the political statement

made by the County Council on the subject of wind turbines which was not a policy document.

- (9) Thanks were expressed to all the Officers and Members who had had an input in to putting the document together.

Other Options considered and assessed:

Not to proceed with the preparations of a SPD – the alternative would be to rely on prospective developers to submit a planning application and hopefully engage in pre application and post application negotiations. The preparation of a SPD was more positive in that it would provide guidance to developers, SKDC officers and the general public on the key issues and impacts to consider in assessing or submitting a planning application for wind energy.

CO21. *FEES AND CHARGES STRATEGY - DRAFT

Decision:

Cabinet approves the draft fees and charges strategy. The use of the strategy is to be incorporated into the medium term financial planning of the Council.

Considerations/Reasons for decision:

- (1) Report HOF206 by the Head of Finance.
- (2) Work undertaken by the Resources Policy Development Group (PDG).
- (3) Work commissioned by the Resources PDG for Deloittes to look at income review benchmarking which compared fees and charges across a number of East Midlands Councils. As well as other local authorities charging regimes outside of the geographical boundaries of the East Midlands.
- (4) The strategy established a number of key principles to be considered in charging for services in a transparent and consistent manner.
- (5) The introduction and implementation of fees and charges was an integral element of the medium term financial planning of the Authority and should be used as a key driver for the delivery of the Council priorities.
- (6) Comments made by Members at the meeting with regard to individual Equality Impact Assessments and the charging regime for the District, specifically car parks.
- (7) Thanks made by the Portfolio Holder Strategic Resources to the Resources PDG and the Officers who had worked together to prepare the strategy.

Other Options considered and assessed:

It is appropriate to introduce a fees and charges strategy in order to maximise the opportunities for the Authority to deliver its priorities.

DATE DECISIONS EFFECTIVE:

Decisions CO20 and CO21 as made on Monday 1st October 2012 can be implemented by Wednesday 10th October 2012 unless subject to call-in by the Scrutiny Committee Chairman of any five members of the Council from any political groups.

**South Kesteven District Council, Council Offices, St. Peter's Hill, Grantham,
Lincolnshire NG31 6PZ**

**Contact: Cabinet Support Officer - Lucy Bonshor Tel: 01476 40 612 20
e-mail: l.bonshor@southkesteven.gov.uk**

REPORT TO CABINET

REPORT OF: Grow the Economy - Economic Development Portfolio Holder

REPORT NO: PLA954

DATE: 15 October 2012

TITLE:	Draft Southern Quadrant Masterplan Supplementary Planning Document	
KEY DECISION OR POLICY FRAMEWORK PROPOSAL:	Key Decision	
PORTFOLIO HOLDER: NAME AND DESIGNATION:	Cllr Frances Cartwright Grow the Economy - Economic Development Portfolio Holder	
CONTACT OFFICER:	Karen Sinclair Planning Policy and Partnerships Service Manager 01476 406438 k.sinclair@southkesteven.gov.uk Andy Moger Planning Policy and Partnerships Planning Officer 01476 406049 a.moger@southkesteven.gov.uk	
INITIAL IMPACT ASSESSMENT:	Carried out and Referred to in paragraph (7) below	Full impact assessment Required:
Equality and Diversity	See Appendix B	
FREEDOM OF INFORMATION ACT:	This report is publicly available via the Your Council and Democracy link on the Council's website: www.southkesteven.gov.uk	
BACKGROUND PAPERS	PLA830 Adoption of Core Strategy (http://modern.gov.southkesteven.gov.uk/ieDocHome.aspx?) Statement of Community Involvement (http://www.southkesteven.gov.uk/index.aspx?articleid=1653) Town and Country Planning (Local Planning) (England) Regulations 2012 (http://www.legislation.gov.uk/ukSI/2012/767/contents/made)	

1. RECOMMENDATIONS

- 1.1 That Cabinet approves the Draft Southern Quadrant Masterplan Supplementary Planning Document (as set out in Appendix A of this report) for the purposes of public consultation for a period of 6 weeks.

2. PURPOSE OF THE REPORT

- 2.1 To enable the Cabinet to consider the issues surrounding the Draft Southern Quadrant Masterplan Supplementary Planning Document (SPD).
- 2.2 Public consultation on the Draft Masterplan SPD is proposed for a period of six weeks beginning in October 2012. This consultation will fulfil the statutory requirement to undertake public consultation as outlined in the Town and Country Planning (Local Planning) (England) Regulations 2012.
- 2.3 Two periods of non-statutory public consultation have taken place prior to this which have helped to shape the development of the Masterplan SPD and are detailed in section 3 of this report.

3. DETAILS OF REPORT

- 3.1 The draft Southern Quadrant Masterplan SPD is attached as an appendix to this report.
- 3.2 The Southern Quadrant site consists of an area of 267 hectares to the south of the town between the A52 Somerby Hill, and B1174 Spittlegate Level. The area is primarily Greenfield agricultural land, although the former Barfords works is also included within the site boundary and forms the Brownfield portion of the site.
- 3.3 The development of the Southern Quadrant is intended to provide approximately 3,500 new dwellings, new schools, new healthcare and community facilities, new open spaces, sports pitches and play areas as well as helping to deliver the Southern Relief Road.
- 3.4 Two stages of non-statutory public consultation have been undertaken during the development of the masterplan. These sought the views of local residents and businesses in the area directly surrounding the site, the wider Grantham public and other stakeholders such as Network Rail, Lincolnshire Wildlife Trust, Lincolnshire County Council Highways and Education Departments, and Anglian Water Services.
- 3.5 Key issues that arose during previous consultations included ensuring adequate separation and buffering between existing and proposed dwellings to take account of amenity, locating the local shops and facilities in the centre of the site adjacent the primary school and ensuring the retention and augmentation of existing hedgerows and trees where possible to protect wildlife habitats. These consultations also showed a resounding preference for the southern route option for the Relief Road.
- 3.6 The Draft Masterplan SPD has addressed these wherever possible to ensure that the main issues have been addressed prior to the period of statutory consultation.

3.7 The SPD is intended to guide development of the Southern Quadrant site to achieve the following objectives (as set out under Policy H2 of the Core Strategy):

Reference	Objective	Draft Masterplan
Objective 1	Minimise the total amount of land required for development, whilst ensuring that there is sufficient land available to provide a mixed-use development with a wide range of facilities and services capable of fostering a high degree of self-sufficiency	Where possible services and facilities have been co-located to complement one another and allow for potential shared service provision. An example of this would be a combined community and healthcare centre. The appropriate level of facilities and services capable of serving the proposed population has been established in consultation with the relevant service providers.
Objective 2	Retain and preserve land and/or landscape features that are protected, or considered locally important, unless appropriate mitigation strategies can be successfully implemented or there are no other feasible alternatives	Consultation established that the retention of hedgerows, trees and woodland were important to residents as was the protection of wildlife. The masterplan has retained hedgerows throughout the site and incorporated these into the green infrastructure network which runs between the woodland area on the plateau top to the centre of the site, and the large wooded area in the River Witham and East Coast Mainline valley. This ensures that wildlife has plenty of opportunity for movement and foraging throughout the site as well as enabling existing habitats to remain and new habitats to develop.
Objective 3	Locate development around existing physical and social infrastructure to minimise the development of new infrastructure and to ensure that existing residents can benefit from new development	The provision of new facilities and services on-site has been located so as enable existing residents to access them as well as residents of the new development. Walking and cycling routes provide easy

		access throughout the site allowing all residents safe and convenient access to the full range of facilities.
Objective 4	Implement sustainable urban drainage systems to minimise impacts on groundwater quality and quantity	The landowner has undertaken extensive flood risk and drainage studies to develop the appropriate Sustainable Urban Drainage system that will ensure no net increase in surface water run-off from the current Greenfield rates. Balancing pools and swales have been included as landscape features within the green infrastructure network.
Objective 5	Promote energy efficient layouts and buildings and encourage the harnessing of renewable sources of energy	The masterplan layout allows for passive solar gain and the Code for Sustainable Homes will be required to be met in line with the Building Regulations requirements at the time of construction. A study into the feasibility of more large scale renewable energy measures has been undertaken but at this stage it was not felt that it would be feasible to implement large scale renewable energy measures on the site.
Objective 6	Ensure that areas of new residential development are successfully integrated with existing residential areas	Pedestrian and cycling links have been created between the site and Saltersford Road, although there is no vehicular access as this was something that residents made clear that they would not want during earlier consultations. Dense buffer planting is proposed around existing dwellings to reduce the impact of new development on their amenity. Provision is made for potential future pedestrian and/or vehicular

		connections through Houghton Road and Albert Street through a new crossing over the River Witham to provide access to the Barfords site.
Objective 7	Enhance the local environment through the creation of wildlife corridors and refuges and through careful consideration of the landscape	Wildlife corridors have been created throughout the sites green infrastructure network which itself has been based around retained hedgerows, trees and woodland to retain wildlife habitats. This provides an opportunity for wildlife movement and foraging throughout the site as well as providing green spaces for residents to enjoy.
Objective 8	Promote the use of active, overlooked streets and areas of open space to provide community safety	The green infrastructure corridors throughout the site are overlooked by adjacent residential blocks to provide safe areas for play and recreation.
Objective 9	Ensure that development is based around existing good quality public transport links and improve the quality and frequency of public transport links where possible	The indicative internal highway network within the site allows for a “bus loop” to be created so that new and/or extended bus services can serve the site to encourage public transport usage. In addition to this, walking and cycling routes are provided throughout the site leading to key locations both on-site and off-site whilst the Riverside Walkway is extended to create a walking and cycling route into the town centre.
Objective 10	Ensure that there are safe, attractive, short and direct linkages for pedestrians and cyclists between housing areas and employment, retail, leisure and education facilities, and public transport links.	Pedestrian and cycling links have been included within the green infrastructure network throughout the site. These provide walking and cycling links between the existing estates and new development as well as the

		<p>schools, local centre, employment uses, sports pitches and allotments. IN addition the Riverside Walk is extended into the site to provide a traffic free walking and cycling route into the town centre.</p>
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3.8 The Draft Masterplan SPD sets out the key planning and development principles for the development of the site and consists of the following key sections:

- Planning policy and relevant studies – review of relevant planning and regeneration strategy and policy
- Site context, analysis and evidence base – an analysis of the site, surrounding uses, urban form and constraints
- Development vision – sets out a vision statement for the site
- Masterplan and design principles – overarching site development principles, proposed land uses and access arrangements
- Design – details of design requirements
- Phasing and delivery – indicative phasing plan for entire scheme

3.9 The SPD will be taken into account as a material consideration in the determination of planning applications on the Southern Quadrant site. The weight accorded to the SPD is increased if it has been prepared in consultation with the general public, businesses and other interested parties, their views taken into account before it has been finalised and it has been the subject of a Cabinet decision to adopt.

3.10 Section 11 of the Environmental Assessment of Plans and Programmes Regulations 2004 requires the Council to assess whether a Strategic Environmental Assessment of the Draft Masterplan SPD is required in consultation with Natural England, English Heritage and The Environment Agency.

3.11 A Strategic Environmental Report has been carried out on the Southern Quadrant Masterplan SPD and published separately, but there are not expected to be any major issues that could not be appropriately addressed through mitigation.

4. Next Steps

4.1 The Town and Country Planning (Local Planning) (England) Regulations 2012 set out the requirement for a period of statutory public participation to be undertaken when developing an SPD. This must be in line with the authority's Statement of Community Involvement. The intention is to put the document out to full public consultation for a period of 6 weeks.

4.2 The consultation will:

- Send the SPD documents to relevant specific and general consultation bodies such as statutory consultees like the Environment Agency, Natural England and English Heritage
- Notify the owners of the properties/land affected, neighbouring landowners and key stakeholders/partners
- Make SPD documents available for inspection in the District Council's Main Offices and Grantham library
- Make SPD documents available on the website
- Advertise details of the consultation in local newspapers by way of public notice
- Include three "drop-in" sessions for members of the public to discuss the plans with officers from both South Kesteven District Council and Lincolnshire County Council. One such session shall be held at the Witham Place Community Room with the other two held at Grantham Library.

4.3 Prior to the adoption of the revised SPD, it is necessary for all representations to be considered and the issues that are raised to be taken into account in finalising the document.

4.4 Subject to the number and nature of any representation received, it is anticipated that the representation, together with an officer response to them, will be reported to Cabinet in early 2013 at which time Cabinet will be requested to adopt the Southern Quadrant Masterplan SPD and for it to be a material consideration in the determination of planning applications.

5. Other Options Considered

5.1 It is considered that there are no other options. Given the level of work undertaken to date in the development and preparation of this draft Masterplan SPD it would be sensible to proceed to the period of statutory consultation required prior to consideration for adoption.

6. Resource Implications

6.1 None arising from this report. There will be cost implications associated with the subsequent consultation period, the costs of which have been included in the Planning Policy and Partnerships Service Budget for 2013/2013.

7. Risk and Mitigation

7.1 Risk has been considered as part of this report and no specific high risks have been identified in the preparation of the Masterplan SPD itself.

8. Issues Arising from Equality Impact Assessment

8.1 A Stage 1 Equality Analysis is set out in Appendix B to this report.

9. Crime and Disorder Implications

9.1 None.

10. Comments of Financial Services

10.1 All costs associated with the consultation process will be met from existing budgetary provisions included in the 2012/13 financial framework.

11. Comments of Legal and Democratic Services

11.1 The purpose of the report to Cabinet is to consider the draft Southern Quadrant Masterplan SPD for consultation purposes. It is proposed, following consultation, the results of the consultation be reported to Cabinet. Cabinet will be asked to consider and approve the SPD taking into account relevant representations made as a result of the consultation.

12. Comments of all other relevant services

12.1 None.

13. Appendices:

13.1 Appendix A: Draft Southern Quadrant Masterplan SPD

13.2 Appendix B: Equality Analysis

GRANTHAM SOUTHERN QUADRANT MASTERPLAN

SUPPLEMENTARY PLANNING DOCUMENT
Draft for Consultation

October 2012





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INTRODUCTION



Oblique aerial photograph of the site



Purpose of the Masterplan Supplementary Planning Document

Grantham is the largest town in South Kesteven District and is a sub-regionally significant centre with excellent transport links to London and Nottingham.

The Southern Quadrant Sustainable Urban Extension (SUE) to the south of the town is the largest of the development sites identified in the Core Strategy. The development of the Southern Quadrant (SQ) will deliver a sustainable new community in a high quality landscape setting, providing much needed new homes and jobs whilst contributing to the wider regeneration of Grantham Town centre.

This Masterplan Supplementary Planning Document (SPD) has been developed as part of South Kesteven's emerging Local Plan and will act as a foundation for guiding future development on the Southern Quadrant SUE.

The vision and design principles included in this SPD are intended to provide potential developers intending to pursue a major development proposal with clear guidance from the local authority in terms of delivering a distinctive and high quality scheme. Whilst this SPD will be a material consideration in the assessment of such development proposals, it is not intended to restrain or stifle innovation and creativity.

The preparation of this SPD has involved discussions and partnership working with a number of stakeholders, including officers of South Kesteven District Council and Lincolnshire County Council and the landowners. Furthermore, public exhibitions were held in September 2011 and April 2012 to seek the views of the existing local community on key issues to be addressed in the future development of the Southern Quadrant.

Objectives of the Masterplan SPD

The SPD establishes a set of objectives, principles and guidelines to inform the preparation of detailed development proposals. The document aims to:

- Articulate a vision and set out masterplan and key design principles covering the site.
- Demonstrate how the vision and aspirations for the SQ can be achieved through following best practice sustainable development and urban design principles.
- Inspire the imagination and creativity of designers and developers in the formulation of future development proposals.
- Inform the extent, character and strategic form of the development and provide guidance for developers and designers in delivering best practice in architecture, urban design, landscape and sustainability.
- Help ensure that development proposals accord with current local and national planning policy.
- Speed up the development process by providing clarity in the key design principles and measures to be adopted.

The SPD details the development aspirations and objectives for the SQ which will subsequently inform and underpin the more detailed masterplanning and design proposals for the development. It starts by explaining the background and planning policy context for the project and understanding the existing characteristics of the land and its surroundings. It then outlines and illustrates the principles and design guidelines that will shape the future development.

It is important that the scheme has a series of development objectives and a set of key design principles. This will provide an expression of what the “place” could be like in the future and will provide the foundation for the subsequent design and delivery process.

Objectives of the SQ Urban Extension

South Kesteven District Council's Core Strategy (2010) states that urban extensions to Grantham should seek to achieve the following objectives:

- Minimise the total amount of land required for development, whilst ensuring that there is sufficient land available to provide a mixed-use development with a wide range of facilities and services capable of fostering a high degree of self-sufficiency
- Retain and preserve land and/or landscape features that are protected, or considered locally important, unless appropriate mitigation strategies can be successfully implemented or there are no other feasible alternatives
- Locate development around existing physical and social infrastructure to minimise the development of new infrastructure and to ensure that existing residents can benefit from new development
- Implement sustainable urban drainage systems to minimize impacts on groundwater quality and quantity
- Promote energy efficient layouts and buildings and encourage the harnessing of renewable sources of energy
- Ensure that areas of new residential development are successfully integrated with existing residential areas;
- Enhance the local environment through the creation of wildlife corridors and refuges and through careful consideration of the landscape
- Promote the use of active, overlooked streets and areas of open space to provide community safety
- Ensure that development is based around existing good quality public transport links and improve the quality and frequency of public transport links where possible
- Ensure that there are safe, attractive, short and direct linkages for pedestrians and cyclists between housing areas and employment, retail, leisure and education facilities, and public transport links.

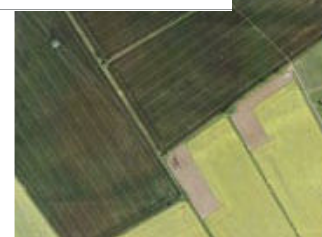
These broad objectives underpin the principles and masterplan contained within this SPD.

Sustainable Communities

Some of the broad requirements for delivering a sustainable community are set out below:

- Effective engagement and participation by local people, groups and businesses particularly in the planning, design and long-term stewardship of the community
- An active voluntary sector
- Good quality public services, including education and training opportunities, health care and community facilities
- A diverse, vibrant and creative local culture, that encourages prides in the community and engenders cohesion
- Strong leadership to respond positively to change
- A flourishing local economy for delivering a sustainable community
- Good public transport and other transport infrastructure both within the community and linking it to urban, rural and regional centres
- The right links with the wider regional, national and international community
- A safe and healthy local environment with well-designed public green space
- Sufficient size, scale and density and the right layout to support basic amenities in the neighbourhood whilst minimising use of resources (including land)
- Buildings both individually and collectively that can meet different needs over time and minimise the use of resources
- An integrated mix of good homes of different types and tenures to support a range of household sizes, ages and incomes

The list shown above is not exhaustive, however it should be used as a guidance list of the fundamental attributes which the SQ should adopt or strive to achieve once physical implementation is completed. They will need to be adapted to meet the particular needs and circumstances of the SQ site.





Aerial photograph of the site

BACKGROUND & PLANNING POLICY CONTEXT

Growth Point Status

In 2007 Grantham was awarded Growth Point status by the Government after successfully bidding to secure growth point funding of £6 million from the Department for Communities and Local Government. In order to secure this, South Kesteven District Council and Lincolnshire County Council identified a strategy for the town's future growth and development which set out areas in which funding support from the Government would help to deliver the town's growth plans.

The town has capacity to deliver Government Growth targets, provided that key infrastructure required to achieve this is put in place at the earliest stages of development. Grantham's current population is around 44,000 but is anticipated to grow to around 60,000 by 2026 with the delivery of increased housing growth. Grantham's designation as a Growth Point provides the town with an opportunity to realise its potential as a sub-regional centre.

Housing growth alone will not lead to an improved Grantham without key challenges being tackled, such as unlocking the potential of development sites whilst improving local services and delivering new community services, providing protection for biodiversity, creating new job opportunities and promoting local transport links including green corridors. Meeting these challenges will ensure that Grantham becomes an even more attractive place to live, work, shop and visit.

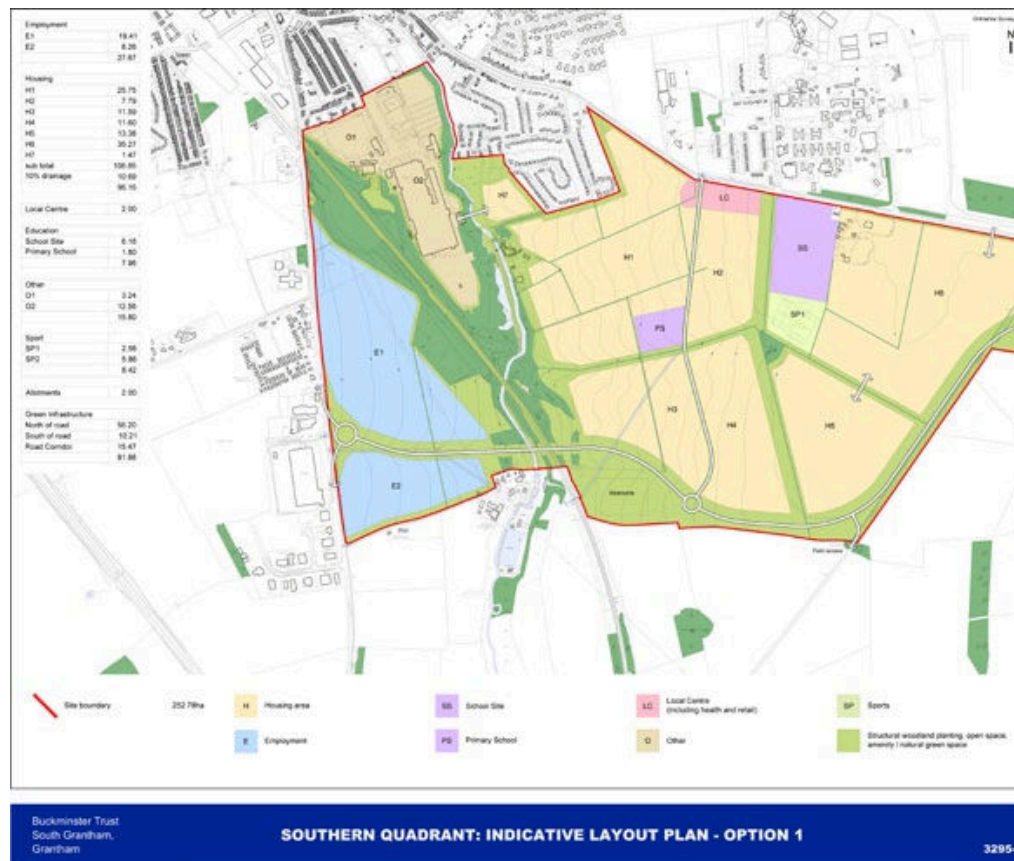
Four key development sites were identified within the Growth Point Programme of Development (PoD), as being capable of delivering the levels of growth required, with the Southern Quadrant (SQ) being identified as one of these.

Development of the Masterplan SPD

In September 2011, the Council undertook a six week period of public consultation in which it contacted around 1,100 local residents and businesses in the area directly surrounding the site and asked them to attend a drop-in session and/or advise what features of the local area were important for retention in the development, as well as where there were any existing issues that the development could help address.

The main issues that arose from this initial period of informal consultation are set out over:

- Protecting the natural environment, especially the River Witham and woodland valley, and preserving views and the countryside feel to the existing housing.
- Providing sufficient open spaces and play areas for children as well as protecting

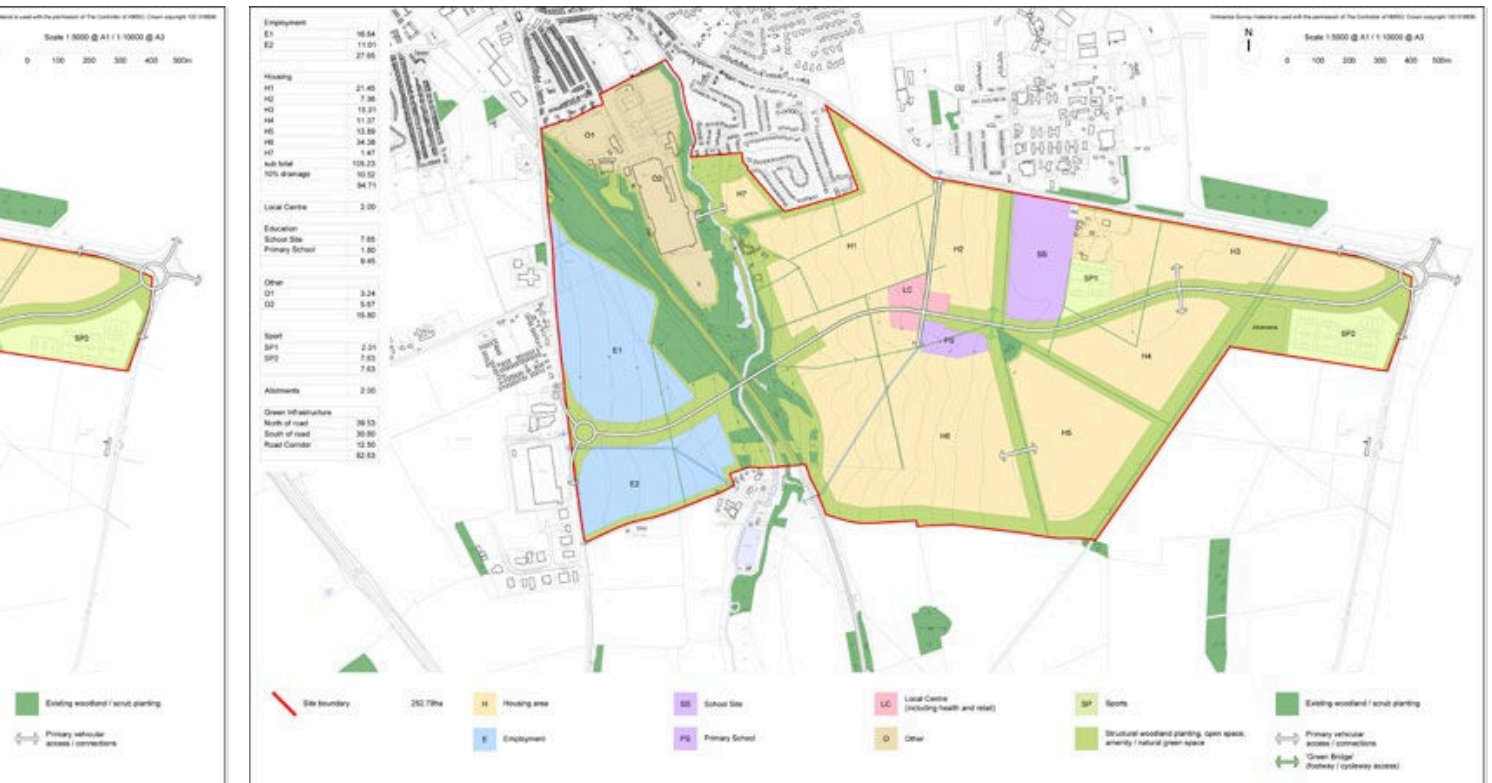




- wildlife and retaining hedgerows.
- Delivering the east-west relief road before the development of any housing.
- Retaining existing footpaths.
- Restricting vehicular access through existing estates into new development.
- Avoiding overlooking from new development onto the existing housing.
- Concerns about traffic impacts of development upon Somerby Hill, Bridge

- End Road and Gainsborough Corner.
- Locating community facilities together in one area as well as local shops to serve the development.
- Locating employment uses on Spittlegate Level.
- Ensuring that housing provided is of high quality, with some provision for affordable housing and homes for the elderly.

These main issues were then taken into account in developing two layout options for the site which were put out to a six week period of public consultation in March and April 2012. Once again the 1,100 local residents and businesses were contacted directly, whilst the consultation was also advertised in the local media, and through posters prominently displayed in supermarkets in the town. Three drop-in sessions were



Option 2 from the second round of consultation

also held for residents to meet with Council Officers to discuss the plans. The consultation asked people to let SKDC know their likes and dislikes for both options, and to advise which of the two options they preferred overall.

The second consultation showed that the overwhelming preference was for the east-west relief road to run to the south, skirting the edge of the site so as to ensure that it is as far removed from housing, schools and community facilities as possible.

Preference was also expressed for the local neighbourhood centre with its complementary facilities to be located within the centre of the site adjacent to educational facilities to ensure that a new “village centre” was created. The landscape “buffer” that was proposed between the existing housing and the new development was felt to be insufficient and concerns were

once again expressed about the potential for overlooking and loss of privacy.

Once again concerns were expressed about the potential traffic impacts of the development and the need for public transport improvements to encourage modal shift away from the use of the private car. A desire to see more open spaces, particularly children’s play areas, was expressed, as were concerns about access to and the location of the allotments and some of the sports pitches.

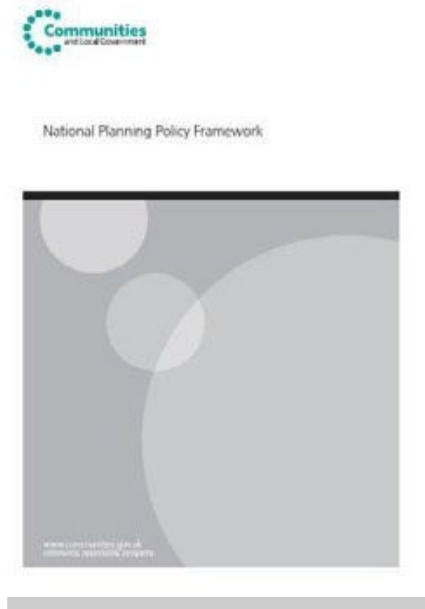
All of the representations received have been considered and used to inform the preparation of a preferred development option and the masterplan as detailed in this document.

The contents of this SPD reflect the national and local policy context set out over.



Consultation on the Masterplan Options

National Planning Policy



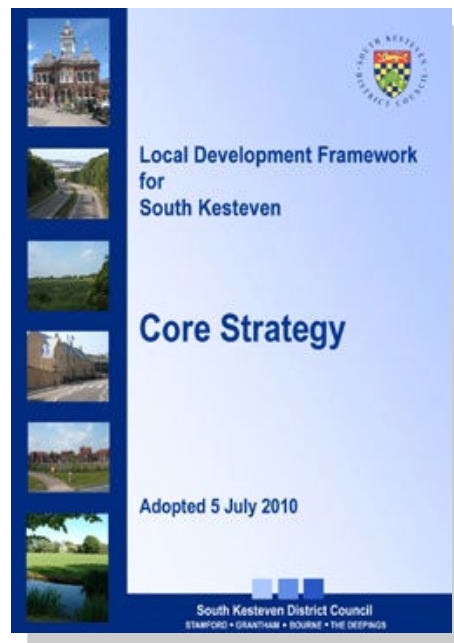
The National Planning Policy Framework (NPPF) sets out a presumption in favour of sustainable development and indicates that Council's must be ambitious in delivering much needed new homes that communities need.

Good design is an essential part of sustainable development and high quality design which reflects the character and identity of the local surrounding areas is promoted. Developers are expected to work closely with those directly affected by development proposals to evolve design proposals to take account of the views of the community.

The NPPF makes it clear that priority should be given to ensuring access to high quality local public transport for new development with priority given to cyclists and pedestrians and where possible key facilities, such as schools and shops should be within walking distance of most properties.

Local Planning Policy

South Kesteven Core Strategy (July 2010)



The emerging Local Plan sets out the planning policy context within which the Growth Point projects will be implemented. The South Kesteven Core Strategy (adopted July 2010) has been developed to reflect Grantham's growth ambitions and illustrates the SQ as a development site critical to the delivery of this growth.

Within the Core Strategy, the SQ is recognised as being a major development opportunity for the town and as such is designated under Policy H2B which states that:

The site is located to the south of Grantham, and spans the East Coast Main Line. The whole SUE includes land between the A1 in the west and the A52 in the east, although it is envisaged that housing development will be contained within that part of the site between the railway line and the A52. It is expected that the site could yield up to 4000 new homes, together with employment development and community facilities. Access to the residential part of the SUE will be dependant upon the provision of a new road from the A52. Construction of new homes on the site is not likely to begin until 2011/2012.

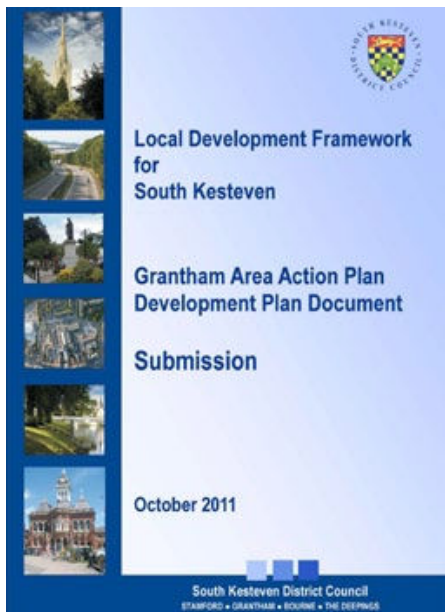
The site is currently part agricultural and part industrial. There is likely to be contamination around the industrial part of the site and also abutting the railway line. The land adjacent to the River Witham has been identified as being at a high risk of flooding and should, therefore, remain undeveloped; the incorporation of appropriate SUDS to alleviate any potential increase to flood risk arising from the development must be included in design proposals. Part of the site has been identified as a site of nature conservation importance (SNCI) and should be protected.

There are known archaeological remains on part of the site, which should be investigated and protected if appropriate. The river corridor and wooded areas of the site are important for biodiversity and contribute to the landscape character of the area. As such, the development of the SUE will be expected to recognise important features and characteristics of the site an incorporate them fully into the design of development, ensuring protection and enhancement where necessary.

There are a range of other broader policies within the Core Strategy which will also be of particular relevance to the development of the SQ, including:

- Policy SP3: Sustainable integrated transport
- Policy SP4: Developer contributions
- Policy EN1: Protection and enhancement of the character of the district
- Policy EN2: Reducing the risk of flooding
- Policy EN3: Sustainable construction and design
- Policy H3: Affordable Housing

Grantham Area Action Plan



The emerging Grantham Area Action Plan (GAAP) is designed as a planning policy document with a specific focus on implementation, which will guide the location, design and use of both land and buildings within the town for the next 20 years. Policies within the GAAP build upon those defined at a

strategic level in the Core Strategy. The GAAP focuses upon the implementation of policies and is an important tool for ensuring that development is of the appropriate mix, quality and scale for opportunities to be taken forward. It covers the whole of Grantham and includes the SQ site. The GAAP allocates the SQ for development, defines the site boundary and provides specific policy detail to support development on the site.

The "Vision for Grantham", included within the GAAP includes the following reference to the SQ;

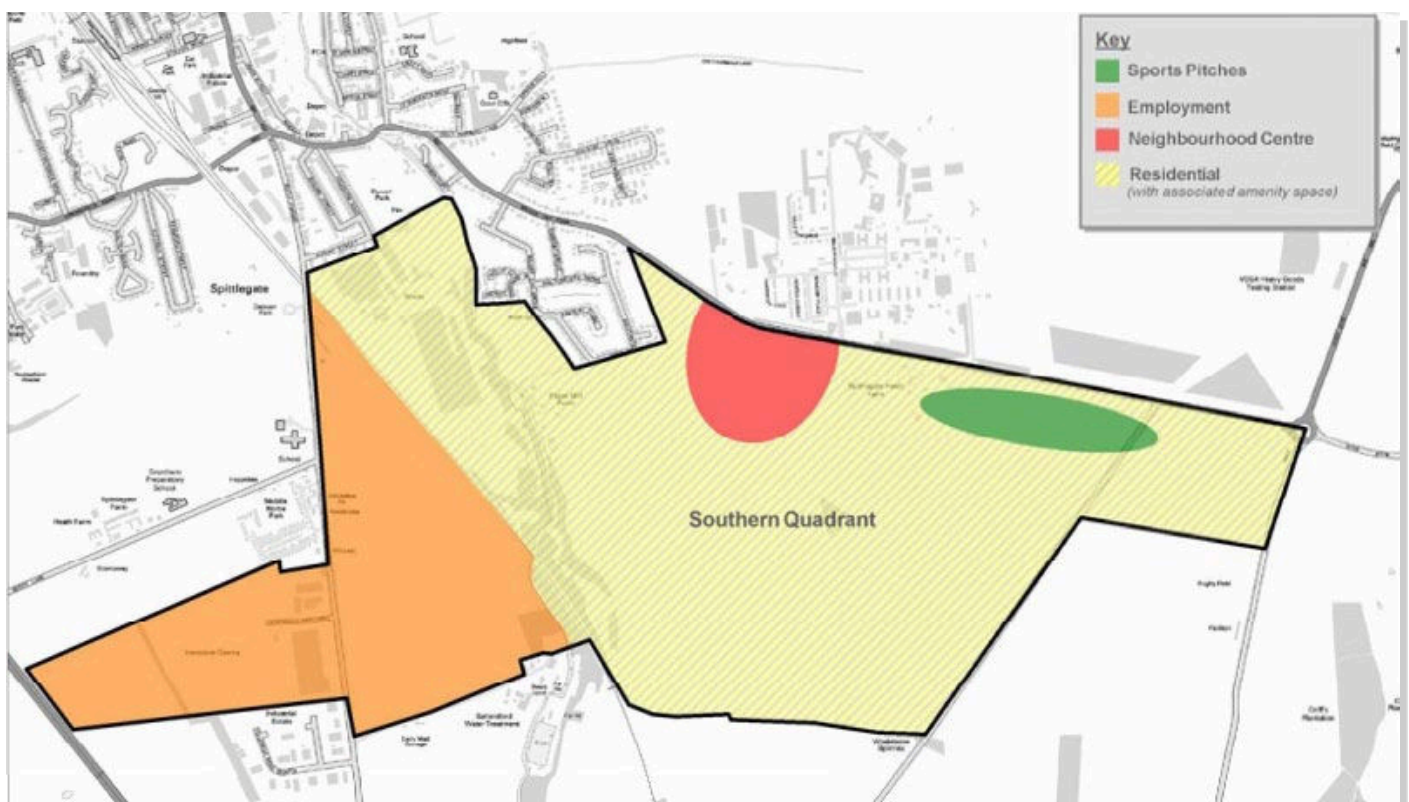
"The Northwest and Southern Quadrants will provide a high quality "place" and neighbourhoods which are sustainable, attractive, and safe for people to aspire to live, work and visit."

Policy SQ1 of the GAAP specifically covers the SQ and builds upon policy H2B as outlined in the Core Strategy. This policy is intended to help guide the development of this Masterplan SPD. Figure 13 gives an indication of the possible distribution of some of the land uses. The GAAP goes on to advise that further detail will be delivered in the Masterplan.

Lincolnshire County Councils Transport Strategy for Grantham 2007 to 2021

Lincolnshire County Councils Transport Strategy for Grantham 2007 to 2021 and beyond will also be relevant reference material, the key themes of which are:

- Making Grantham a better place in which to live, work and shop
- Making alternative ways of travelling more attractive
- Making the most of the railway station
- Helping people get around town more easily
- Catering for new developments



GAAP plan denoting the broad distribution of land uses at the SQ

Other Relevant Guidance

Numerous guidance documents have been referred to in the development of this SPD and which must be considered where relevant in the development of future designs and planning applications for the development of the SQ. These range from general design and development guidelines to site specific studies and technical appraisals. The current relevant documents include:

National and General

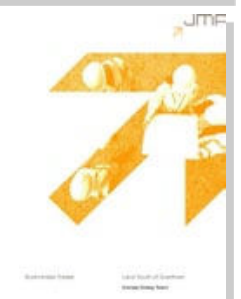
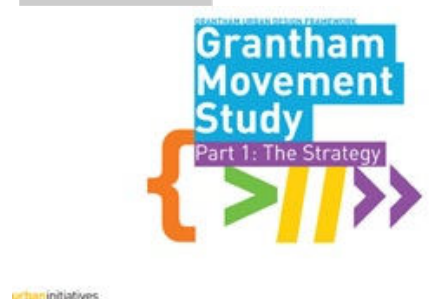
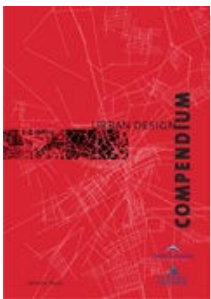
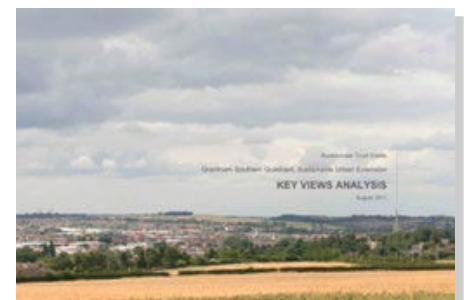
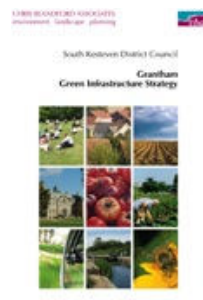
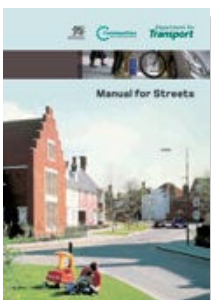
- By Design: Urban Design in the Planning System (CABE, 2000)
- By Design: Better Places to Live (CABE, 2001)
- Safer Places – The Planning System and Crime Prevention (CLG, 2004)
- Urban Design Compendium (English Partnerships, 2000)
- Better Streets, Better Places: Delivering Sustainable Environments (CLG, 2003)
- Manual for Streets 1 & 2 (DfT, 2007 and 2010)
- The Code for Sustainable Homes (CLG, 2008)
- The Principles of Inclusive Design (CABE, 2006)
- CABE Building for Life (CABE, 2001)
- Sport England – Active Design (Sport England 2007)

Local

- South Kesteven Strategic Flood Risk Assessment
- Grantham Water Cycle Study Stages: Outline, 2a and 2b
- Grantham Movement Strategy (2010)
- Grantham Townscape Character Assessment (2011)
- Grantham Green Infrastructure Strategy (2011)
- Grantham Walking and Cycling Strategy (2010)
- Grantham Southern Relief Road EIA Scoping Report (2009)
- A Study of Open Space, Sport and Recreation in South Kesteven District (2009)
- Belton House and Park Setting Study and Policy Development (2010)
- South Kesteven Landscape Character Assessment (2007)

Southern Quadrant - Site Specific

- Southern Quadrant Ecological Assessment (2011)
- Southern Quadrant Key Views Analysis (2011)
- Southern Quadrant Landscape and Visual Assessment (2011)
- Southern Quadrant Archaeological Assessment (2011)
- Southern Quadrant Drainage Strategy (2011)
- Southern Quadrant Flood Risk Assessment (2011)
- Southern Quadrant Grantham Energy Study
- Southern Quadrant Stage 1 Consultation – Summary of Responses (2011)
- Southern Quadrant Stage 2 Consultation – Summary of Responses (2012)



SITE & CONTEXT

Location and Description

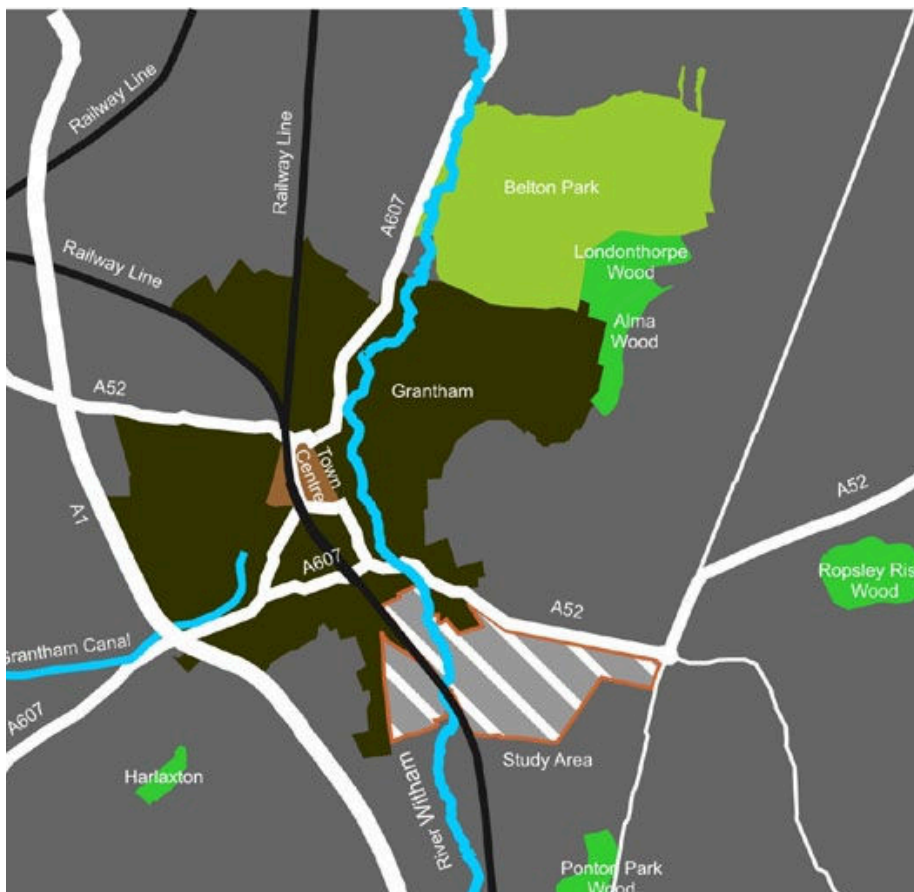
The Southern Quadrant (SQ) site is located on the existing south-eastern fringe of Grantham and extends as a broad arc of land between the B1174 (Spittlegate Level) to the west, the existing settlement edge to the north and the A52 (Somerset Hill) to the north east. Between these existing limits, the site extends south and east, bounded by B6403 / High Dyke and mature hedgerow field boundaries. More broadly, the A1 runs in a north west to south east direction, approximately 750 – 1,000 metres to the west of the site.

The majority of the site comprises large arable fields on the rising slopes and plateau top, with hedgerows forming the majority of the field boundaries. A prominent yet small copse of woodland is located in the corner of a field close to the centre of the site.

The plateau edge forms a distinctive landscape feature that stretches around Grantham and contributes strongly towards the sense of place of both the site and the town itself. The direction of the slopes into the valley bottom and towards the town help to connect with the existing urban edge.



Plateau edge view and woodland copse



SQ site context



Enclosed waterside habitats



Along the lower slopes of the River Witham valley, the landscape includes a matrix of woodland and wetland habitats that hold the majority of the sites biodiversity and ecological interest. This corridor, including the smaller pastoral fields has a strong sense of enclosure, is of a more varied and smaller scale and in places has more tranquil character.

In addition to the mature woodland and wetland habitats in the valley bottom, this part of the site also includes a large industrial and former industrial area (Invictas Works) adjoining the urban edge in the north west and the rail line, that sweeps across the lower valley slopes from the eastern side of the river to the western side as it extends into Grantham. Dysart Park is also situated on the existing urban edge as are existing residential properties, along Bridge End Grove.



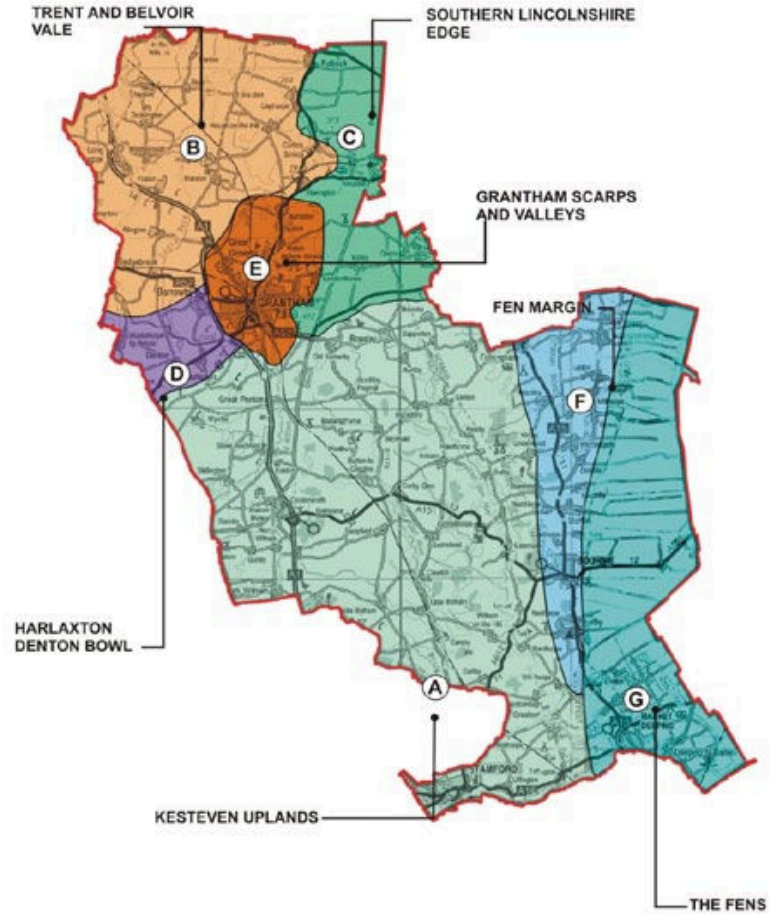
Character

Landscape

The SQ site landscape comprises a mix of urban edge influences and uses yet is predominantly under agricultural use. In addition to the significant influence of the existing built urban edge (including both employment and residential uses), the character of the landscape is also strongly shaped by the local topography. The site landform encompasses both the River Witham valley and the higher plateau beyond to the east. The landscape is generally of a medium to large scale and includes both enclosed areas and more open parts.

The South Kesteven Landscape Character Assessment (2007) indicates that the site lies primarily with the "Grantham Scarps and Valleys" character area, yet also includes land on the more elevated eastern edge of the site within the "Kesteven Uplands" character area.

LANDSCAPE CHARACTER AREAS



South Kesteven Landscape Character Areas (2007 study)



Rail corridor and industrial works in the north west of the site

The site is subject to a number of urban fringe influences, predominantly to the north and west. These include the existing peripheral residential properties, industrial units and Barracks along the approach roads of the A52 and B1174 respectively. To the south and east and in addition to the surrounding agricultural land, the area is characterised by a number of dispersed woodland copses and spinneys, generally located on the edge of arable fields.

The existing industrial units at the Invictas Works (Aveling Barfords) are local visual detractors within views along the parts of the valley. The existing adjoining housing and Barracks occupy more elevated positions, and together with electricity pylons (that traverse the western portion of the site), extend the immediate urban influences into and across the site.

Townscape

The Grantham Townscape Assessment includes an analysis of the townscape character of the town, including the Northwest and Southern Quadrant potential development areas. It identifies and defines 17 townscape character areas.

The SQ site falls within area CA17 (“Landscape Fringes”). The description of this area includes a number of references to the SQ site. These include:

“The proposed urban extensions offer an opportunity to create new neighbourhood identities, belonging to the town, but celebrating a positive new image. This should free development from the sterile cul de sacs of pastiche and promote contemporary architecture derived from a sense of place but

addressing current cultural and technological issues.”

The assessment also identifies the views considered to be of very high importance in terms of the town’s heritage assets and the wider context of the town,

In the context of the site, a series of relevant views and features include:

- Panoramic views into the town from the A52 Somerby Hill and the B1174 Spittlegate Level
- Countryside views towards the study area from within the town and elevated land to the west of the site
- Views towards the Spire of St Wulfram’s
- Location of perceived ridgelines in the east and beyond to the west of the site

The view from Somerby Hill on the southern approach to the town which takes in both the tower of St John’s Church and the spire of St Wulfram’s is sensitive to change within the character area south of these assets. Given the green backdrop provided by the character area, the important heritage assets within the town are often seen against a green backdrop of open fields and/or trees. This is an important characteristic of the role played by this character area and must be carefully considered.

Views across the town are strategically important with some of the best views had from the Somerby Hill area.

The site is not considered to be sensitive in relation to the setting of Belton Park unless development were to visually rise above the containing ridgelines and tree screens.



Expansive views across the town from the highest part of the site

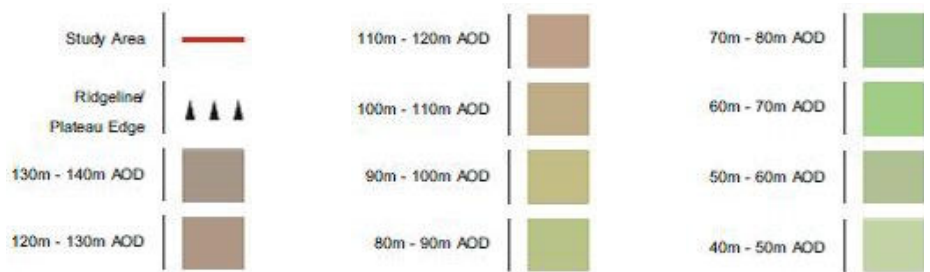
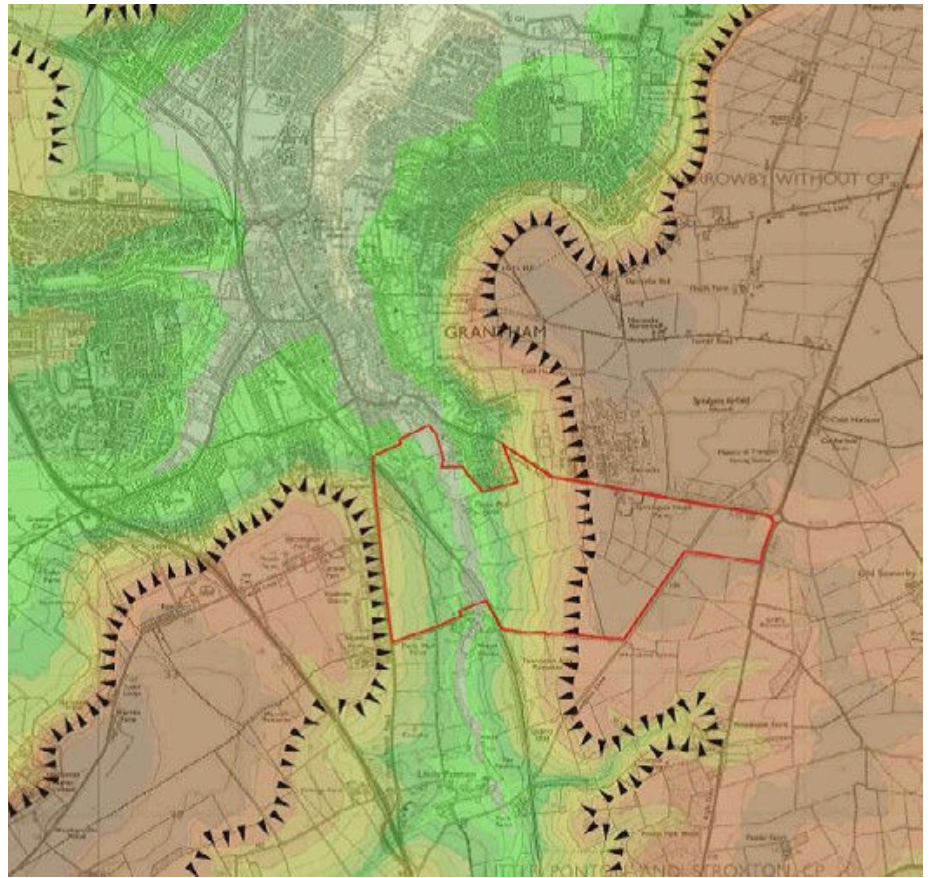
Views and Visual Analysis

Landform and Ridgelines

The landform and ridgelines are significant elements shaping the significance of views within and around Grantham. The topography is the primary factor in limiting the extent of the longer ranging views across the town and is visually important in providing the context and backdrop to the town and the existing urban edge.

The landform and in particular the elevated plateau edge are prominent in views towards the site from a number of vantage points, including from across the valley to the west and more distantly across the town from the north west and Great Gonerby. In these views the plateau edge is occupied by farmland and a number of woodland plantations. The triangular shaped plantation within the central part of the site occupies the skyline in many of these views and beyond the study area lies further woodland, including Twenty Two Acre plantation, Whalebone Spinney and Griff's Plantation.

The western edge of the site occupies the rising valley slopes on the opposite side of the River Witham valley. However, the site does not extend up on to the highest slopes and therefore in terms of visual sensitivity is notably less. The western edge of the study area is however defined by the B1174 Spittlegate Level and from this road clear and expansive views are afforded eastwards across the site. Views back towards the existing ribbon development along this road are possible from within the site.



Topography - highlighting the ridgelines and plateau edge



View across the River Witham Valley to the rising westerly slopes

Landmarks

The most significant visual landmark and reference within Grantham is the St Wulfram's Church Spire. In visual terms the church spire is a distinct and positive landmark within the town centre and benefits from an absence of other tall buildings or structures within its context. In fact, the town includes few buildings or structures of any significant height and visual prominence and this is the reason why other churches and lower spires are also visible in views across the town.

This is a positive visual characteristic of the views towards the town from a number of surrounding elevated positions. This is partly reinforced by the visual containment provided by the surrounding landform and the limiting effect this has on development in the past.



Prominent St Wulframs Church spire



Approaching and 'gateway view' of the town from the A52



Gateway Views

There are two relevant "gateways" and "gateway views" into Grantham from the south. From the A52 at Somerby Hill, the view is expansive and dramatic and occurs close to the plateau edge. From this location, the view encompasses much of Grantham, with the exception of areas in the north and east and significantly also includes the town centre and spire of St Wulfram's.

The significance of this existing gateway view is heightened by the plateau edge, which does not reveal the view until the last moment for drivers on the A52 Somerby Hill.

The entrance into the town from the B1174 Spittlegate Level is different in visual character but nevertheless presents a more channelled view towards the town centre from close to the north west corner of the site.



More enclosed approach to the town along the B1174 Spittlegate Level

Panoramic Views and Viewpoints

There are panoramic views both to and from the site. Those towards the site include distant panoramic views from the northwest of Grantham, including from the edge of Great Gonerby and the Northwest Quadrant site. In these longer ranging expansive views the site is a relatively minor component in the view but importantly does act as the backdrop and occupies the skyline.

Closer expansive views towards and across the study area are possible from the western River Witham valley slopes. These include

views from the B1174 Spittlegate Level and from more restricted vantage points on the higher ground around Spittlegate.

The site allows expansive and panoramic views across Grantham and the landscape to the north, south and west from the highest valley slopes and plateau edge to the east of the River Witham. With the exception of the panoramic views across Grantham from the A52 at Somerby Hill and a lesser and more contained view from Whalebone Lane to the south of the site, there are currently no publicly accessible viewpoints from the plateau edge within the site.



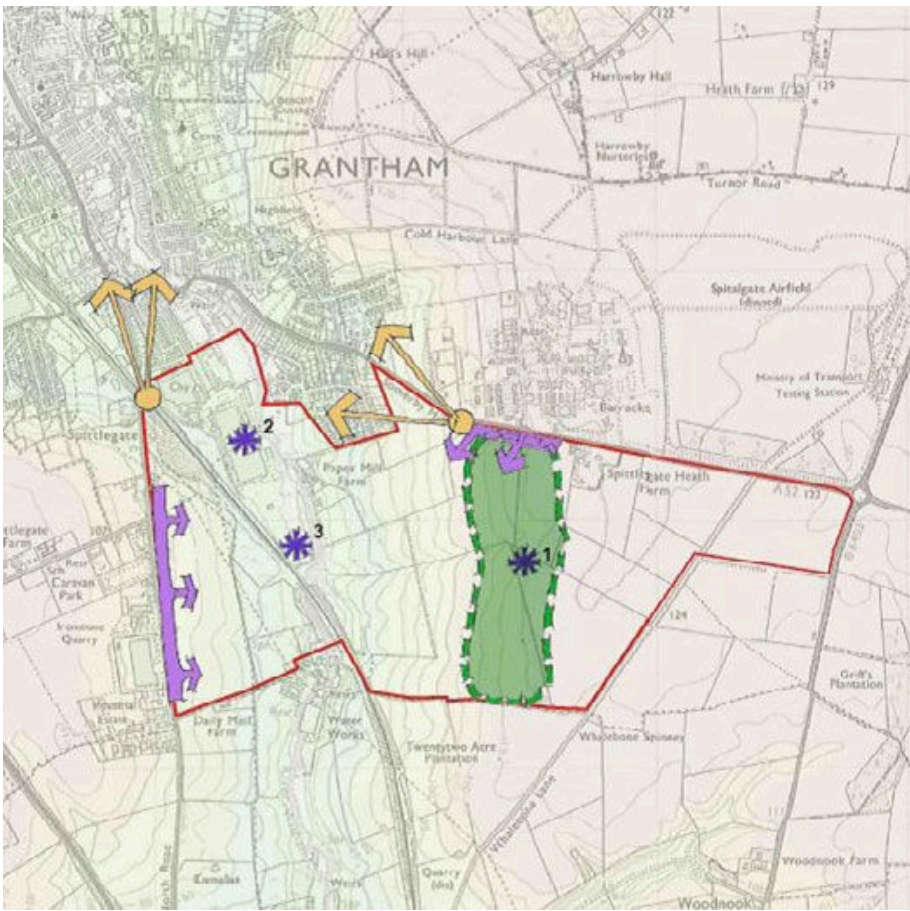
View east across the site from the B1174 Spittlegate Level



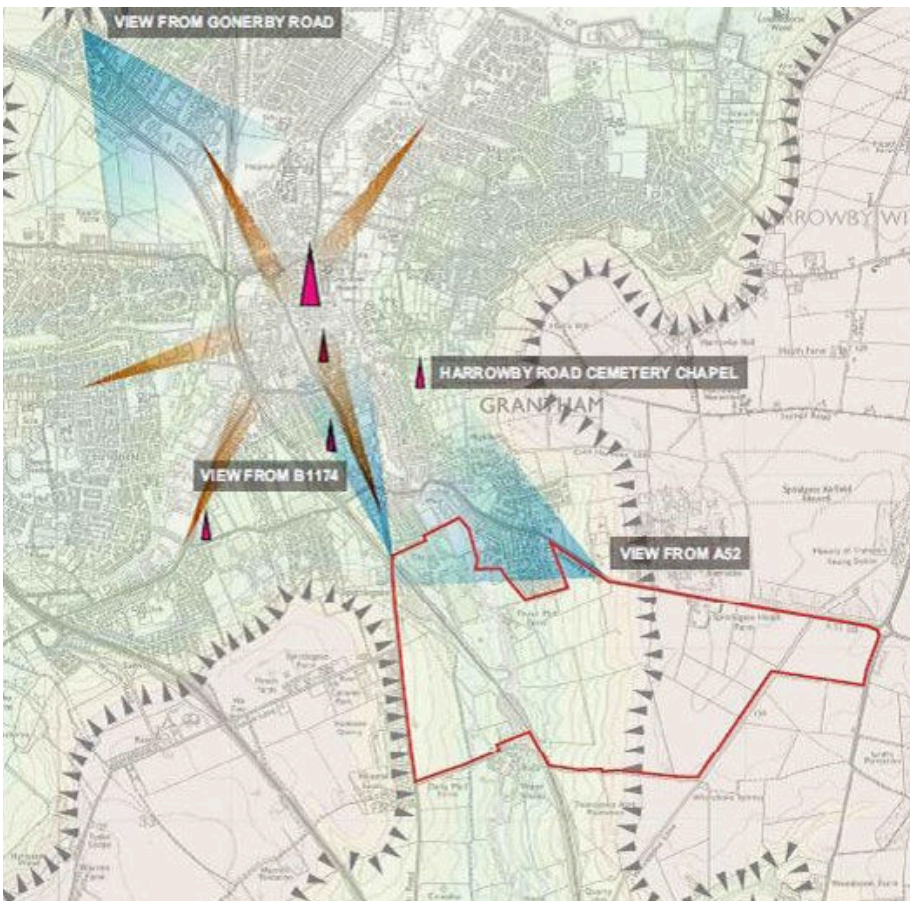
View south east across the rail and river corridors



View from the A52 Somerby Hill on entering the town



- Visually Significant Landscape Features (Study area based)
 - 1. Woodland
 - 2. Industrial Works
 - 3. River Witham Corridor Woodland & Vegetation
- Visually Prominent Landform (Higher Valley Slopes/ Plateau Edge)
 - [Green shaded area]
- Close Prominent Views of the Study Area (from roads)
 - [Purple arrows]
- Primary views towards the centre of and across Grantham
 - [Yellow arrows]



- Study Area
 - [Red line]
- Ridgeline/ Plateau Edge
 - [Black triangles]
- Landmark
 - [Pink triangle]
- Strategic Views to Landmark
 - [Orange arrows]
- Panoramic Gateway Views
 - [Blue shaded area]

Water, Drainage & Geology

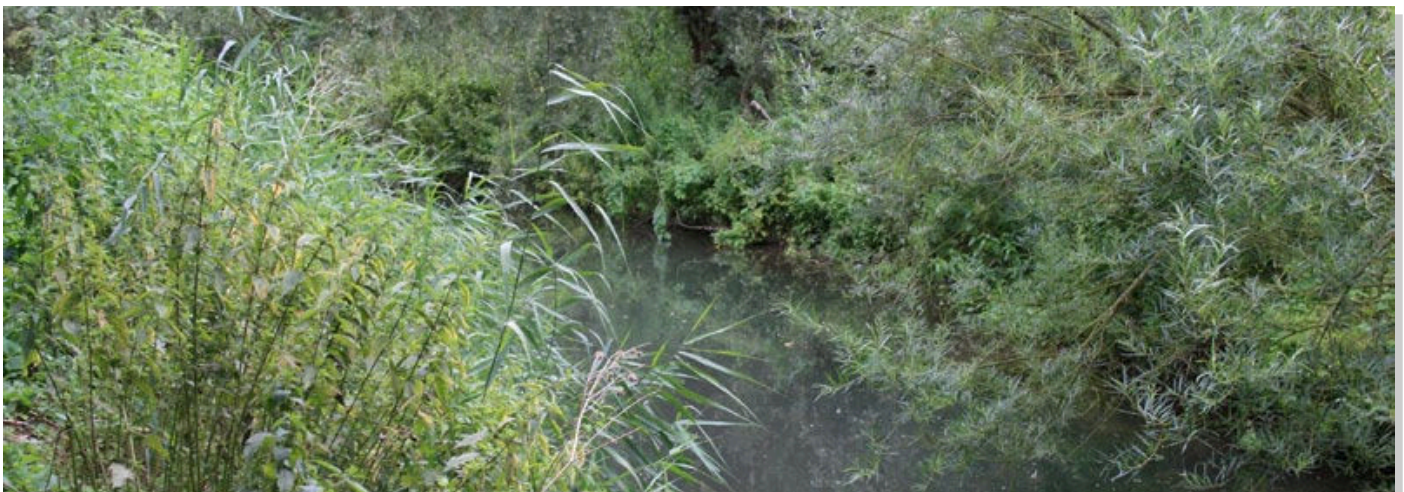
The River Witham flows south to north in a relatively narrow steep-sided valley. It bisects the site into approximately one-third and two-thirds west and east respectively of the river. No other watercourses have been identified or are marked on the Ordnance Survey plan. The landform indicates a very shallow valley feature relatively central to the area and running broadly east-west from a location directly south of the barracks. This is a relatively small scale feature and has only been observed dry on site, which is consistent with an underlying permeable geology as noted below.

The whole SQ site overlays the limestone plateau that characterises the uplands area around Grantham. The River Witham valley has been incised into this plateau. A number of historic borehole records for the site show that the western area comprises a layer of limestone thinning down towards the river.

This in turn overlies a layer of “estuarine sand and clay” or “gravel” and ironstone beneath that.

The records indicate similar geological conditions in the east area, although the main difference is a greater depth of the limestone across the higher ground in the higher eastern-most parts of the site.

The absence of regular watercourses or significant surface field drainage strongly suggest that the underlying geology is relatively permeable and free-draining and that the normal water table is relatively far below the ground surface. The historic borehole records support this, with little record of any near-surface groundwater. Other information from the EA also suggests that the active water table is well below ground level across the vast majority of the site. There is currently no detailed information available on the actual permeability of the underlying limestone.



River Witham

Archaeology & Heritage

Walkover, desk based air-photographic and cartographic assessments have been undertaken to date. The site lies beyond the early boundaries of Grantham, though now adjoins the edge of town. It was formerly contained within the parish of Spittlegate, Houghton and Walton.

There are no known Listed Buildings, Conservation Areas or Registered Parks and Gardens within the site. The nearest Listed Building is the Officer's Mess in the Prince William of Gloucester Barracks, located approximately 150 – 200 metres to the north of the site. A number of buildings and structures of some historic interest do however exist within or close to the site boundary, yet are not known to be designated. These comprise;

- Aveling Barford Ltd Factory (Invicta Works), Albert Street
- Railway Viaduct Over the River Witham
- Paper Mill Farm
- Grantham Waterworks
- Spittlegate Heath Farm
- Prince William of Gloucester Barracks

One additional feature of interest identified from an earlier walkover inspection is a drystone wall, defining the boundary between the parishes of Little Ponton and Stroxton, and Londonthorpe and Harrowby. This feature extends along part of the southern boundary of the SQ site. The wall is in variable condition, surviving to its full height in some stretches and substantially collapsed in other places. The wall is likely to have been constructed during the post medieval period.

With regards to archaeological remains, the nearest Scheduled Ancient Monument is

the "Bowl Barrow 450m North West of St Guthlac's Church" (SAM 27863), located approximately 600m south of the site. Other archaeological sites have been identified from the studies undertaken to date. Most of these known archaeological sites are either findspots of artefacts or are entirely below ground and so are not visible. The known sites include;

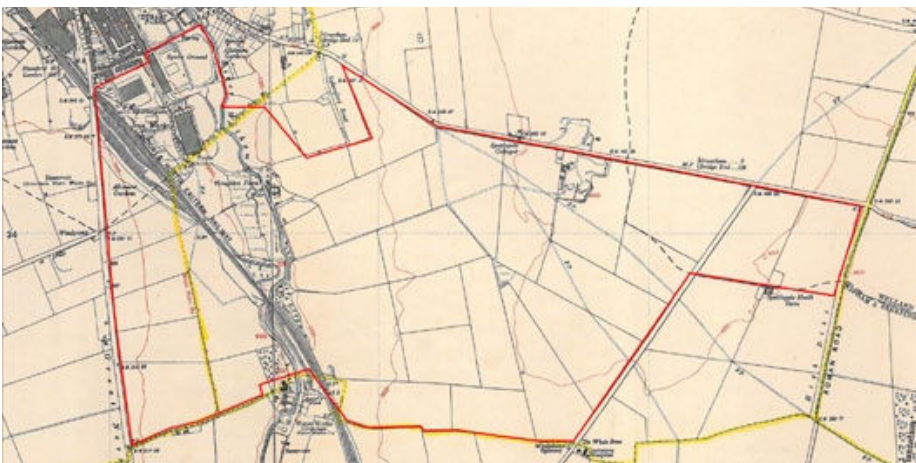
- The Jurassic Way (Prehistoric Route) and Ermine St (Roman Road) follow the line of the B4063 on the eastern boundary of the site;
- Salters Way (Roman Road) extends north-east to south-west across the site;
- Medieval village of Haughton and post medieval paper mill close to the northern boundary of the site alongside the River Witham;
- The land around the existing waterworks and to the west of the river includes a concentration of sites

Further studies and assessment will be undertaken as part of the planning, design and construction stages work and this is likely to include an agreed and staged programme of archaeological investigations. Incorporation and interpretation of the identified sites and features into the scheme design will be considered further as part of this process.

Studies for the Southern Relief Road undertaken by Lincolnshire County Council have also included an assessment of the archaeological implications of the different route options.



1890 - 91 OS Plan



1947 - 48 OS Plan



Parish boundary wall (in the ownership of the adjoining land owner to the south)

Nature Conservation & Ecology

A combination of desk studies, site visits and walkover surveys have been undertaken for the site and surrounding area over a number of years.

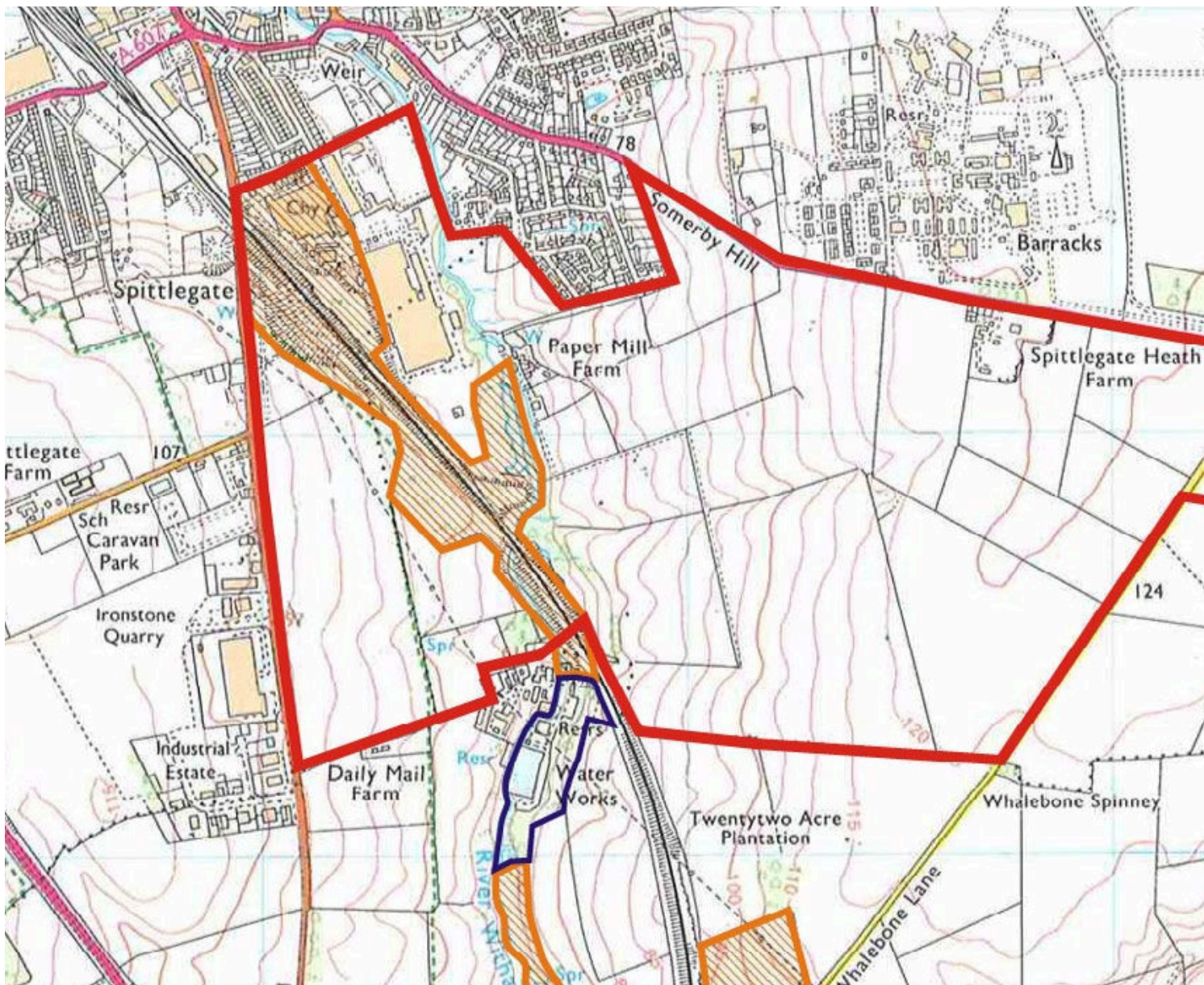
There are no statutory sites of international or national nature conservation importance present within the site. The Woodnook Valley Site of Special Scientific Interest (SSSI), a site of national nature conservation importance designated for its calcareous grassland, is present approximately 570m to the south and is the only site that receives statutory protection within 2km of the study boundary.

A number of sites of County Value (designated by the Local Planning Authority as being either Sites of Nature Conservation Interest (SNCIs) or Local Wildlife Sites (LWSs)) lie within or close to the site. Of these, the Clay Bank SNCI, Aveling Barford's Industrial Site SNCI, Grantham BR SKn4 SNCI and Salter's Ford Valley SNCI/LWS all lie within or partially within the site boundary. Four further Local Wildlife Sites, all grass verges along the A52 and adjoining roads, lie adjacent to sections of the north-eastern site boundary.

Large, intensively managed arable fields dominate much of the site and are considered to be of limited ecological value. These are

bounded by mature, predominantly hawthorn-dominated hedgerows with occasional perimeter trees of more value. Habitats towards the western side of the site include the following habitats of greater interest: broadleaved woodland; the River Witham and associated riverine habitats, and marshy, wet and dry grasslands and scrub within designated SNCI sites (in and adjacent to the industrial site to the northeast).

A Tree Preservation Order covers some existing trees and groups of trees in the very north of the site on part of the Aveling Barford site alongside the River Witham. Habitats within the site have the potential to support several protected and priority



Designated sites of ecological interest

species of conservation importance including amphibians, bats, badger, otter, water vole, brown hare, nesting birds, white-clawed crayfish, reptiles and freshwater fish.





The work undertaken to date provides a comprehensive understanding of the nature conservation issues, constraints and opportunities presented by the site. All of this work has informed the masterplan. Ongoing and further ecological surveys and appraisals will be undertaken to further inform the subsequent planning and design process as the SQ project advances. This will include agreement with the relevant wildlife bodies on the scope and extent of those studies to be carried out.



River Wiltham and associated habitats



Mature woodland and trees on the lower slopes

-  Study Area
-  Site of Nature Conservation Interest
-  Local Wildlife Site
-  Wildlife Trust Reserve

Access & Movement

The SQ site lies between the A52/ Somerby Hill, on the northern boundary of the site and the B1174 Spittlegate Level to the west. The B6403/ High Dike passes north – south along the eastern edge of the site and Whalebone lane a smaller road runs through the eastern part of the site from the A52. This framework of roads surround the site and connect into Grantham town centre and more broadly out to the countryside to the east and south. The A1 lies approximately 700 metres to the west.

A number of local residential access roads (including Bridge End Grove and Saltersford Road) lie close to the northern boundary of the site, within the existing settlement edge. A small lane/ track provides access down the valley slopes to Paper Mill Cottage from this area. Albert Street and Houghton Road provide access to the existing Invicta Works site, which is bounded by the River Witham and the East Coast Mainline, in the north west of the site.

Existing public access to the site is very limited. A Public Right of Way (PROW)

(Public Footpath ref 13) passes through the western part of the site and provides a link between the B1174/ Spittlegate Level and the Water Treatment Works access road on the southern edge of the site. The Public Footpath continues to the south of the site (ref 2) and through to Little Ponton. No PROW exist throughout the rest of the site or within the River Witham valley and corridor.

North of the site the existing Riverside Walk (including cycleway) follows the River Witham towards the centre of the town from the A52 bridge crossing. This route does not however currently extend all of the way southwards to the site.

A series of transport studies have been undertaken to date to inform the Masterplan; including those specifically relating to the Southern Relief Road (SRR). The SRR proposals have been progressed by Lincolnshire County Council and have been through a number of design and assessment stages. Ongoing and further work will be undertaken on all aspects of the access and movement proposals as part of the continuing planning and design of the SQ scheme.

Services & Utilities

A preliminary infrastructure appraisal has been undertaken, based on consultation with the principal statutory undertakers in respect of the possible implications of the development on local services and utilities, including foul drainage, electricity supply, water supply, and other relevant services.

Anglian Water has undertaken a Development Impact Assessment Report regarding foul drainage, which identifies that preliminary phases can served via connection to an existing sewer crossing the western part of the SQ. The discharges from the wider SQ scheme can be accommodated within the trunk sewer network at the point north of the A52 Bridge End Road near the A52 / B677 / B1174 junction nearby.

In relation to potable water supply, Anglian Water has confirmed that the site can be served from the existing service reservoir north-east of Harrowby Hall. A new trunk main to site will be required. Part of the western site may be served from the local mains network on the B1174.

There are existing water mains that cross the site which are to be retained in place due to the high costs and disruption of relocating them. The alignment of these water mains have therefore acted as a constraint and informed the preparation of the Masterplan. Access to these corridors for future maintenance will need to be maintained.

In terms of electricity, the development will require new primary sub-station(s), new cabling, and the provision of sub-stations within the site for local connections. This infrastructure would be provided as part of the development. Connections to the gas network are available locally.



Existing Grantham Riverside Walk and Cycleway north of the A52



Views along the direct A52 and Whalebone Lane in the north east of the site

DEVELOPMENT OBJECTIVES

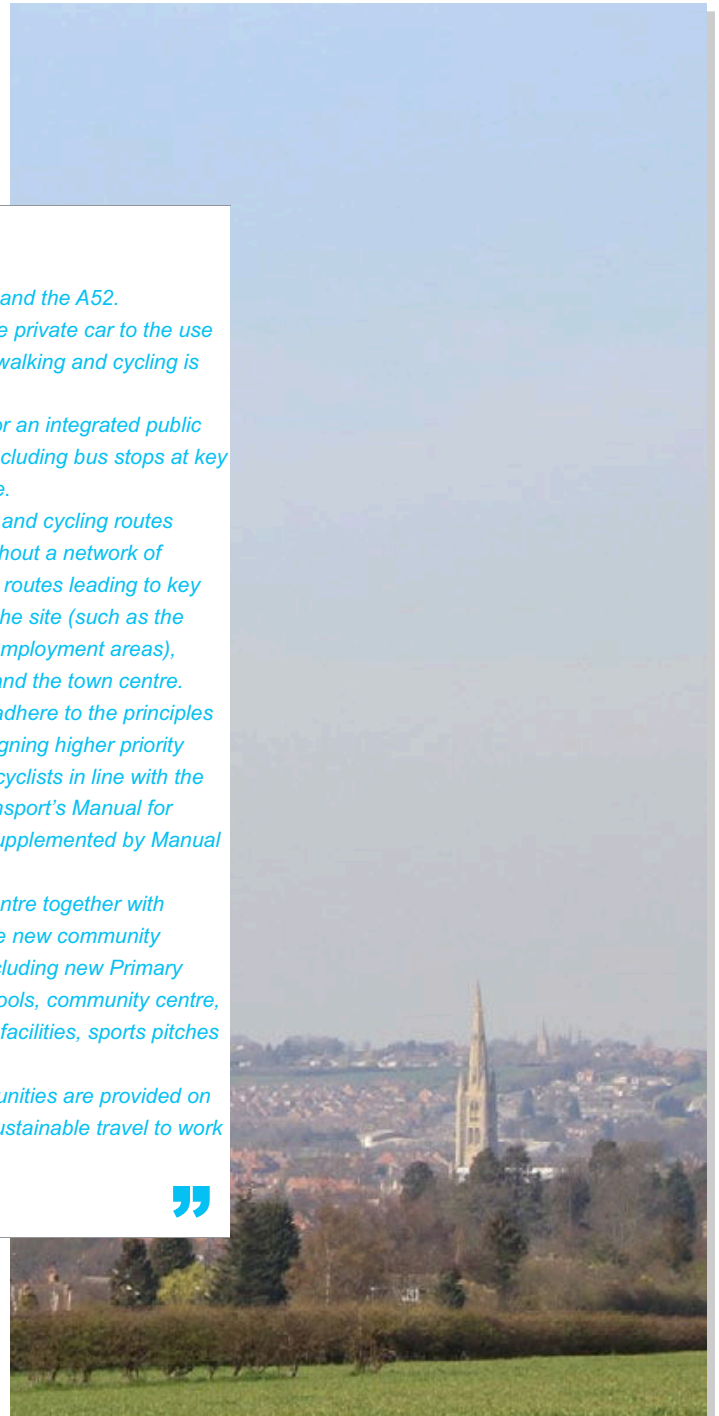
The Grantham Area Action Plan states at Policy SQ1 (Developing Sustainable New Neighbourhoods (South)) that the development proposals should ensure that:



- *The design and layout responds to the following issues, as identified in the Grantham Townscape Assessment:*
 - *Strategic views into and from the site*
 - *Encroachment of development along ridgelines*
 - *The use of colour and materials palettes to reinforce local identity*
 - *The integration of the built edge of development with the landscape fringe.*
 - *An appropriate mix of residential tenures and types are provided throughout, including affordable housing.*
 - *The River Witham is protected and enhanced including the population of white clawed crayfish together with other significant biodiversity values and natural landscape features within and surrounding the site.*
- *A high standard of sustainable design and construction is provided in all residential, commercial and community buildings.*
- *Renewable energy generation is delivered on site wherever possible.*
- *Impacts upon the ecosystem are minimised with existing trees, hedgerows and wildlife habitat retained wherever possible.*
- *The East-West Relief Road is delivered in full between the A1 and the A52.*
- *A shift away from the private car to the use of public transport, walking and cycling is promoted.*
- *Provision is made for an integrated public transport network including bus stops at key points within the site.*
- *Safe, direct walking and cycling routes are provided throughout a network of green infrastructure routes leading to key destinations within the site (such as the River Witham and employment areas), surrounding areas and the town centre.*
- *Residential streets adhere to the principles of good design assigning higher priority to pedestrians and cyclists in line with the Department for Transport's Manual for Streets (2007) as supplemented by Manual for Streets 2.*
- *A neighbourhood centre together with facilities to serve the new community delivered on site including new Primary and Secondary schools, community centre, health centre, retail facilities, sports pitches and play areas.*
- *Employment opportunities are provided on site to encourage sustainable travel to work patterns.*



These overarching policy objectives have provided the framework for the design of the Masterplan



MASTERPLAN PRINCIPLES & EVOLUTION

Landscape and Ecology

Key Points:

- Conserve and enhance the character and ecological value of the River Witham valley floor and the associated mature vegetation and other habitats.
- Maintain and suitably buffer the woodland copse at the centre of the site. Enhance the connectivity and consistency of this through additional tree planting.
- Utilise and reinforce the majority of the existing trees and hedgerows as part of the landscape framework for the built development.



Existing riverside trees in the north of the site



Landscape & Ecology Plan

Having gained a good understanding of the existing site and place, through the various environmental and technical studies, it is possible to formulate an appropriate masterplan response. This section sets out the rationale which has informed the masterplan design. It considers the inherent and underlying characteristics of the site and how these should shape and structure the

development. Overlying this, the process considers the location and extent of the built development and in particular the key activity areas and location and mix of activities.

The creation of an integrated network of movement corridors focussed around pedestrian and cycle access and public transport provides a further key layer in the

process before the character and appearance of the future development is more closely analysed and the masterplan refined.

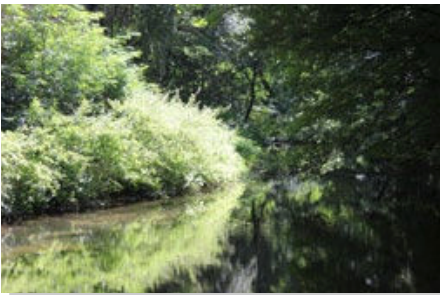
The following pages include a series of design sheets that convey how the main issues and considerations build up layer by layer to define the masterplan concept.



Water & Drainage

Key Points:

- Avoid development in areas at risk of flooding and incorporate flood mitigation for the River Witham.
- Conserve the existing watercourses, ditches, water features and wetlands within the site
- Adopt a Sustainable Drainage (SuDS) strategy throughout the site; to include draining the surface water via a series of open swales and infiltration features or ponds, with particular consideration given to the draining of the valley slopes.



River Witham



Water & Drainage Plan



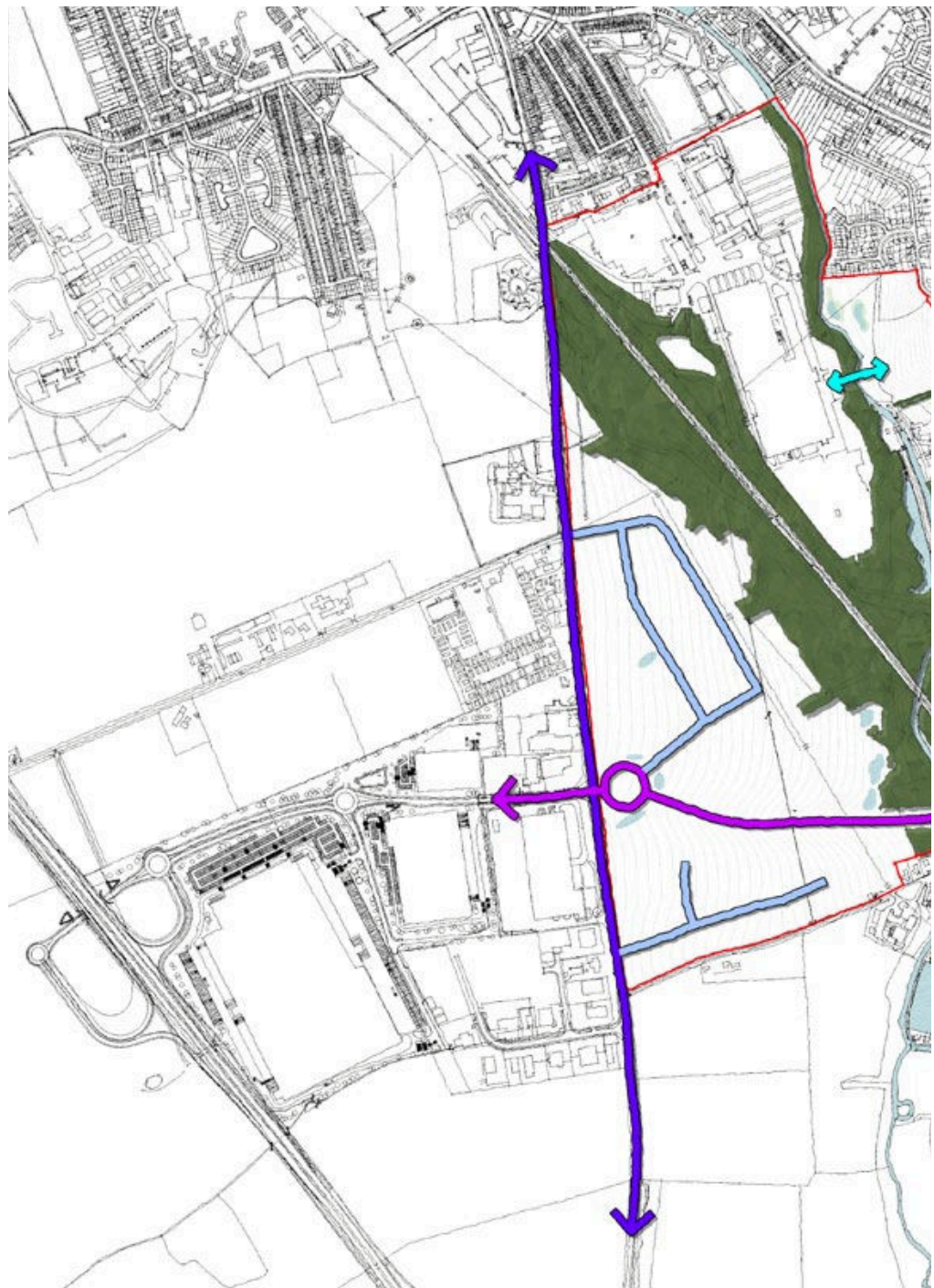
Access & Movement 1 - Vehicles

Key Points:

- The site is located close to Grantham town centre and is bound by two arterial routes with existing bus services that could be diverted into the site. This would ensure that the site is maximised as a sustainable development.
- Introduce a primary north – south street to link the A52 and proposed development into the proposed relief road, with an intersecting main street east – west to link the proposed development.
- Provide a series of links to and junctions on the A52 and B1174 for connectivity into the surrounding urban fabric.



A52 and B1174



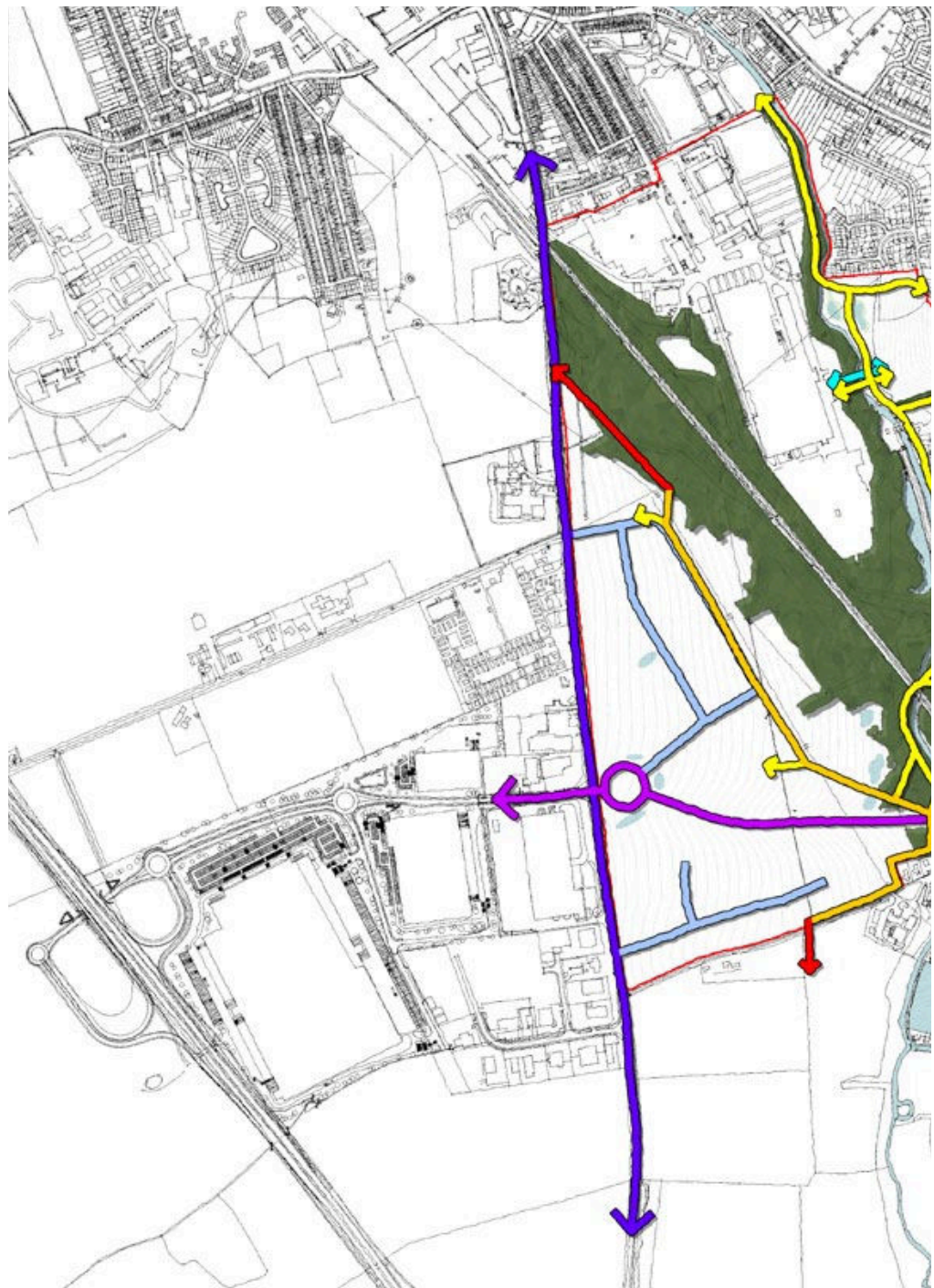
Access & Movement 1 - Vehicles Plan



Access & Movement 2 - Pedestrian & Cyclist












Key Points:

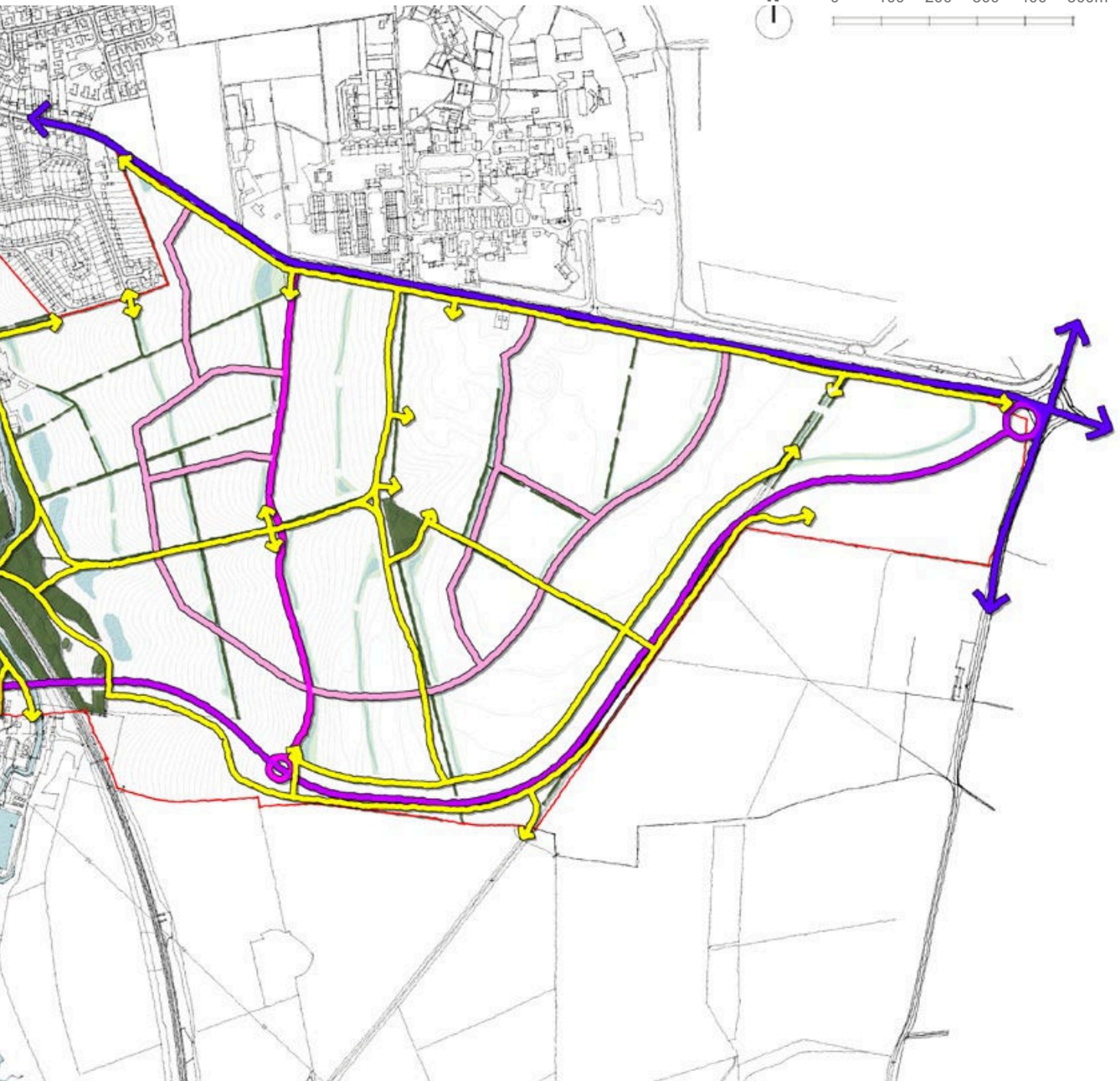
- Extend pedestrian / cycle access links throughout the site.
- Facilitate safe and easy pedestrian (and potentially cycling) access between the existing urban edge, the development and the countryside.
- Provide formal and informal crossing points for pedestrians / cyclists throughout, including the A52 and B1174 along the site boundary.
- Open up the River Witham corridor to pedestrians / cyclists with the creation of a River Witham Riverside Walk.



Existing links to the north and south of the site

Access & Movement 2 - Pedestrian & Cyclist Plan

-  Existing and proposed SuDS features (indicative locations and extents for wet or dry features)
-  Existing road corridors (A52 / B1174)
-  Proposed Southern Relief Road
-  Primary street
-  Secondary street
-  Existing vegetation
-  Primary employment access
-  Vehicular bridge crossing to river
-  Existing public right of way (footpath)
-  Diverted / realigned public right of way
-  Proposed footway and / or cycleway



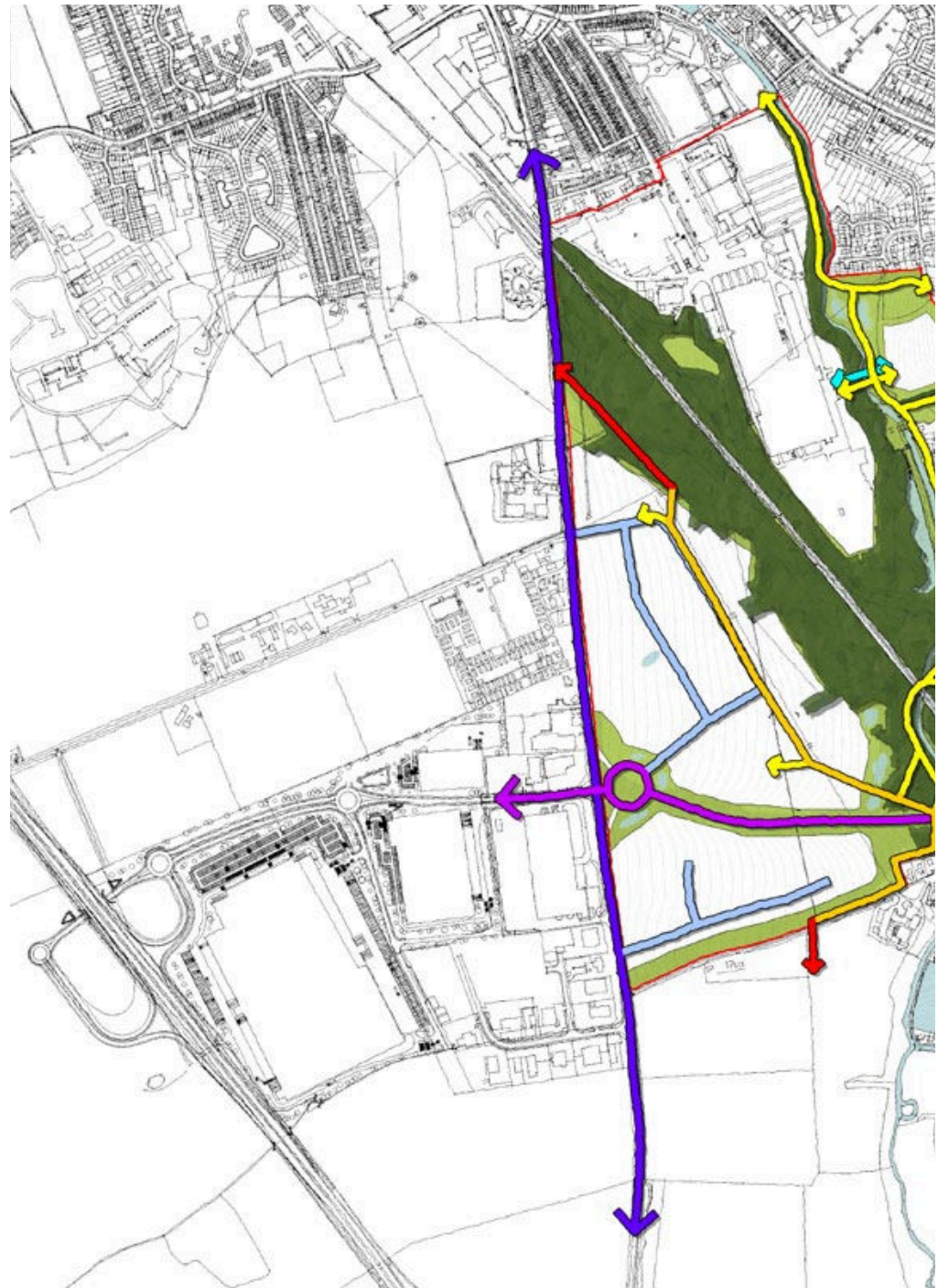
Green Infrastructure Framework

Key Points:













- Green Infrastructure (GI) framework builds upon the existing framework of woodland, trees, hedgerows, water features and public rights of way.
- Provide a multi-functional and well-connected network of green corridors and space, which are readily accessible and maximise opportunities for recreation, habitat creation and landscape enhancement.
- GI framework structured to deliver north – south and east – west corridors punctuated and linked by key public spaces and landscape areas.
- Existing habitats within the River Witham valley floor are to be conserved and appropriately managed for wildlife, landscape and informal recreational interest.
- Provide a robust landscape “buffer” to existing properties which neighbour the site, which also enhance the GI network.
- New SuD` s features to be designed and managed to contribute positively to the character and appearance of the development

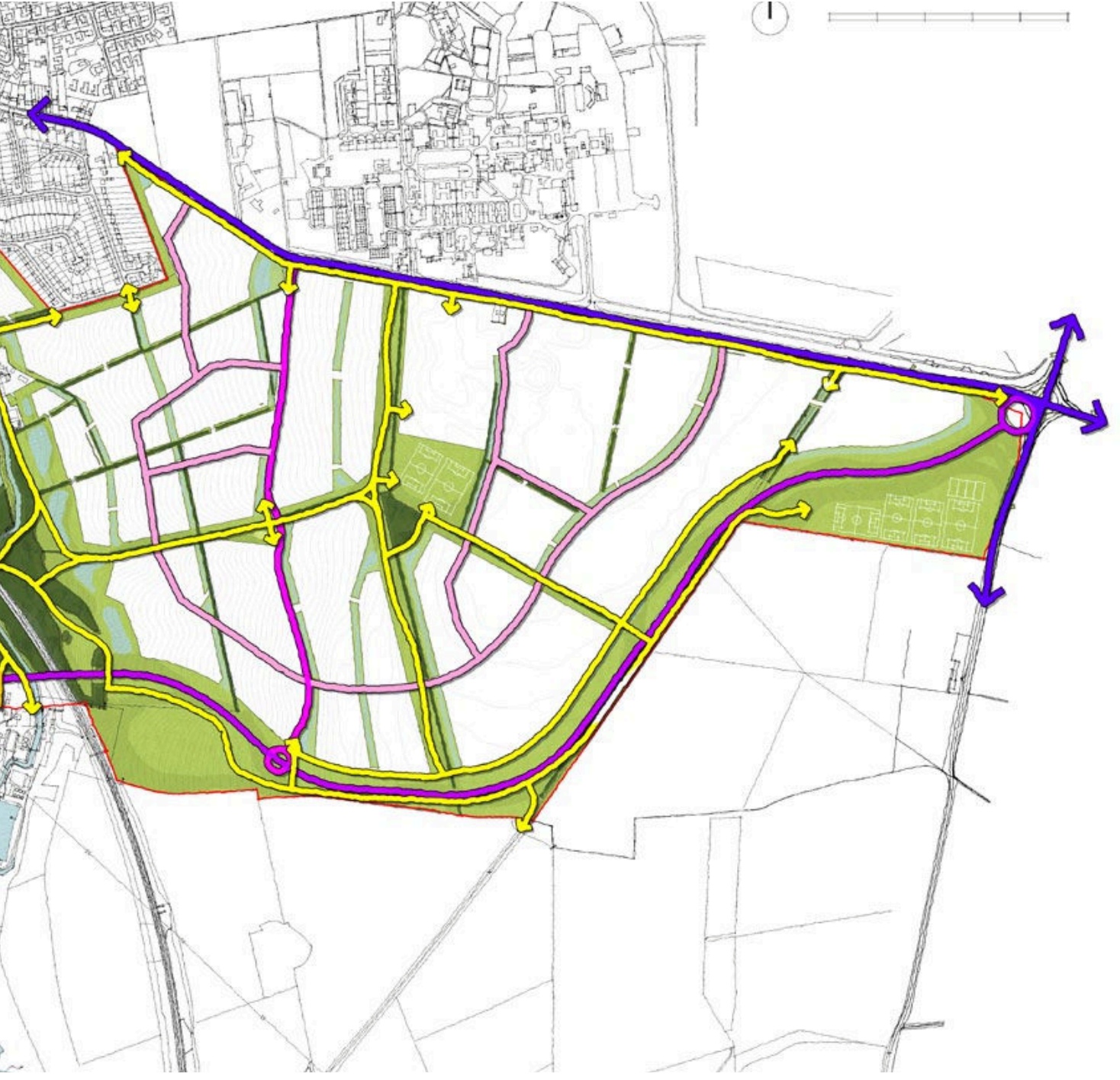


Mature woodland to be conserved



Green Infrastructure Framework Plan

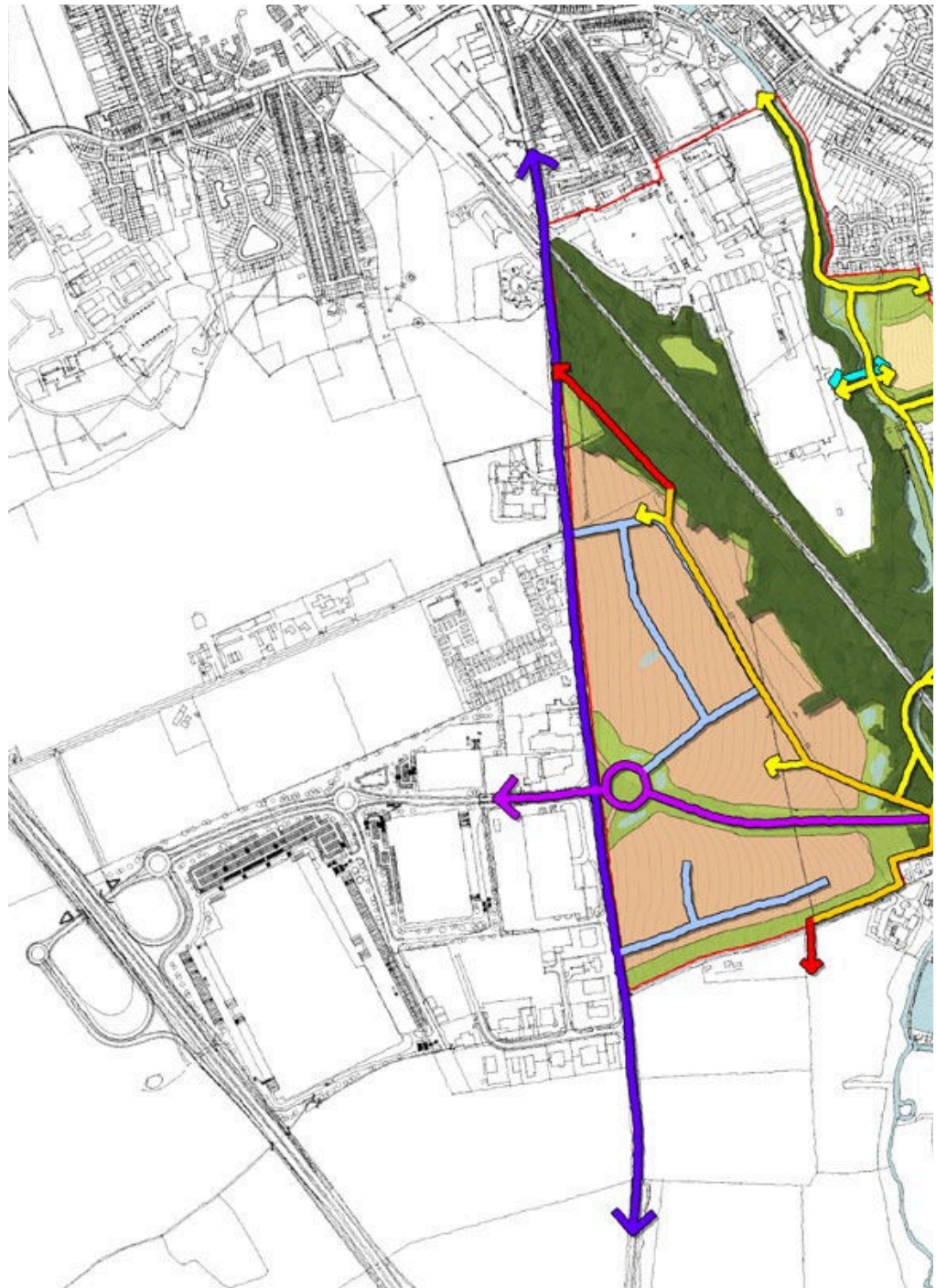
-  Existing vegetation
-  Existing and proposed SuDS features (indicative locations and extents for wet or dry features)
-  Existing road corridors (A52 / B1174)
-  Proposed Southern Relief Road
-  Primary street
-  Secondary street
-  Primary employment access
-  Vehicular bridge crossing to river
-  Existing public right of way (footpath)
-  Diverted / realigned public right of way
-  Proposed footway and / or cycleway
-  Green infrastructure network



Development Parcels

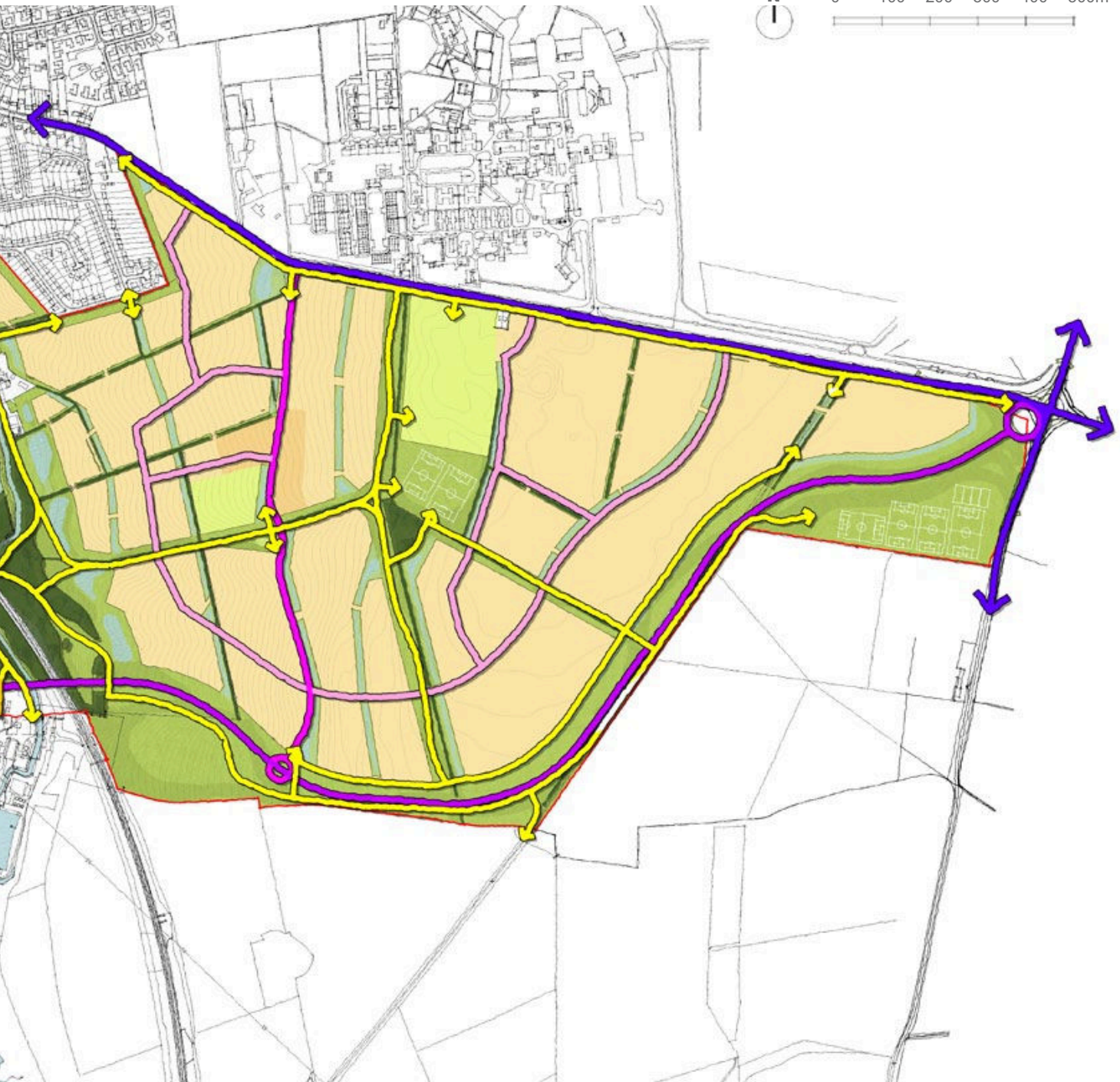
Key Points:

- Development parcels based upon a logical and sustainable layout structured around the environmental characteristics and features of the site and closely related to the existing adjoining development uses.
- Residential areas focused around the centre of the site with a good relationship to other existing residential areas and to the River Witham valley to the west.
- Employment areas related to the existing uses along the B1174 in the west
- Local Centre sited to form an active focus at the centre of the site with good links to the proposed residential areas.



Development Parcels Plan

- Existing vegetation
- Existing and proposed SuDS features (indicative locations and extents for wet or dry features)
- Existing road corridors (A52 / B1174)
- Proposed Southern Relief Road
- Primary street
- Secondary street
- Primary employment access
- Vehicular bridge crossing to river
- Existing public right of way (footpath)
- Diverted / realigned public right of way
- Proposed footway and / or cycleway
- Green infrastructure network
- Residential
- Local Centre
- School
- Employment





Illustrative Masterplan

Having built up the masterplan through a series of layers, the Illustrative Masterplan shows how the design principles could be carried forward into a more detailed masterplan solution.



Illustrative Masterplan

- | | | | | | |
|--|-------------------|----------|---|----------|---|
|  | Residential | E | Southern Relief Road (SRR) | K | River Wltham GI corridor |
|  | Employment | F | SRR viaduct | L | Footway / cycleway crossing of the river (beneath rail viaduct) |
| A | Local centre | G | Allotments | M | Vehicular bridge crossing of the river |
| B | Primary school | H | Conserved woodland and GI corridors | N | Footway / cycleway connections |
| C | Community school | I | Whalebone Lane retained for footway / cycleway access | | |
| D | Sports facilities | J | Footway / cycleway crossing to the SRR | | |



MASTERPLAN PROPOSALS

The development will take account of its unique environment and characteristics and the surrounding settlement to create a place with a good urban form and design based upon quality local vernacular.

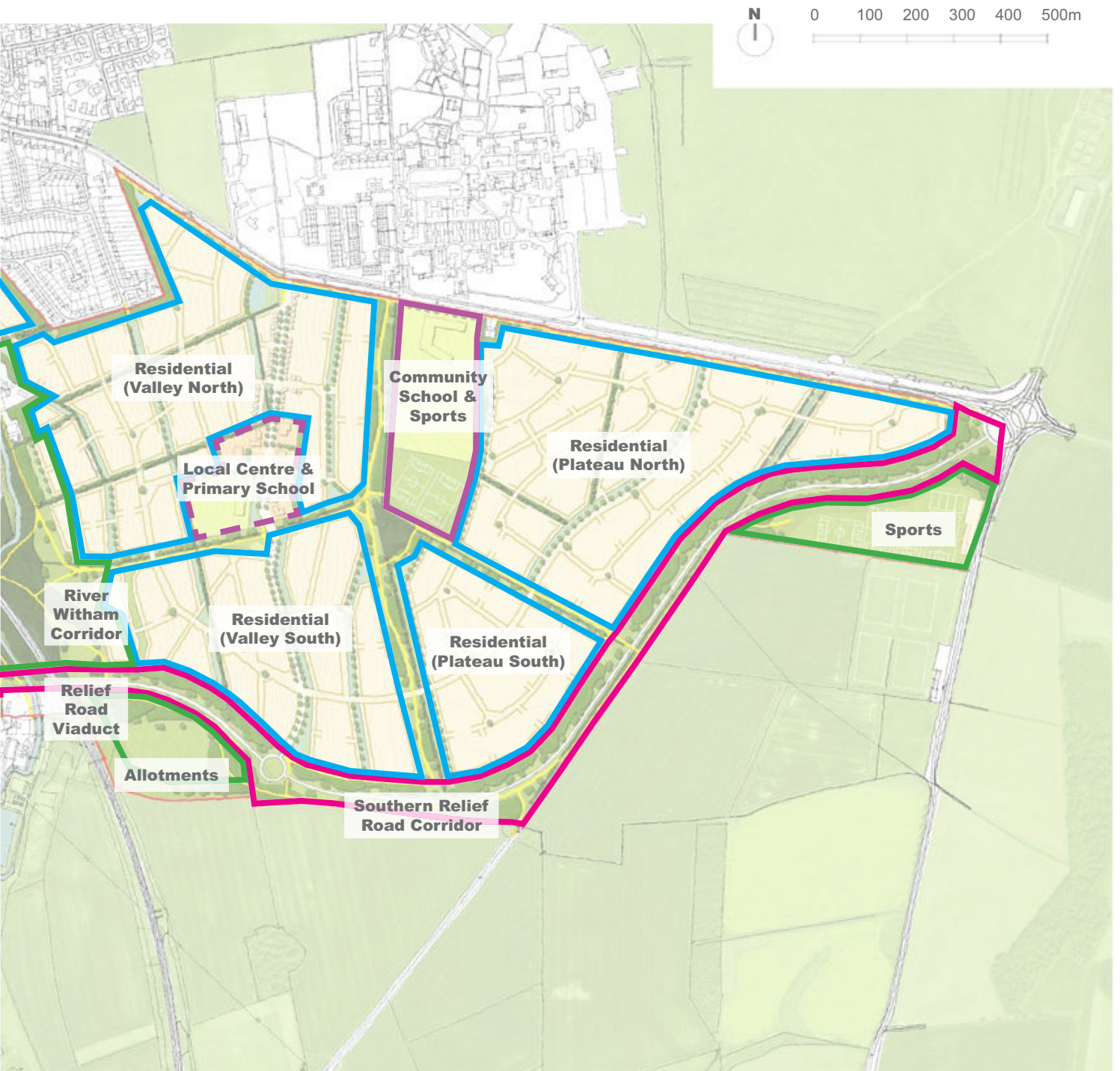
Having devised the key design and masterplanning principles to underpin the development, it is then possible to define several distinct areas and features based around a combination of the following key considerations:

- Existing local landscape/ townscape characteristics and setting;
- Topography;
- Proposed urban structure and street pattern;
- Development uses and activities
- Development density and main building types
- Green Infrastructure (GI) and Public Open Space

Several distinct areas and features have been identified as part of the masterplan and are summarised on the accompanying plan.



Key Areas and Features Plan



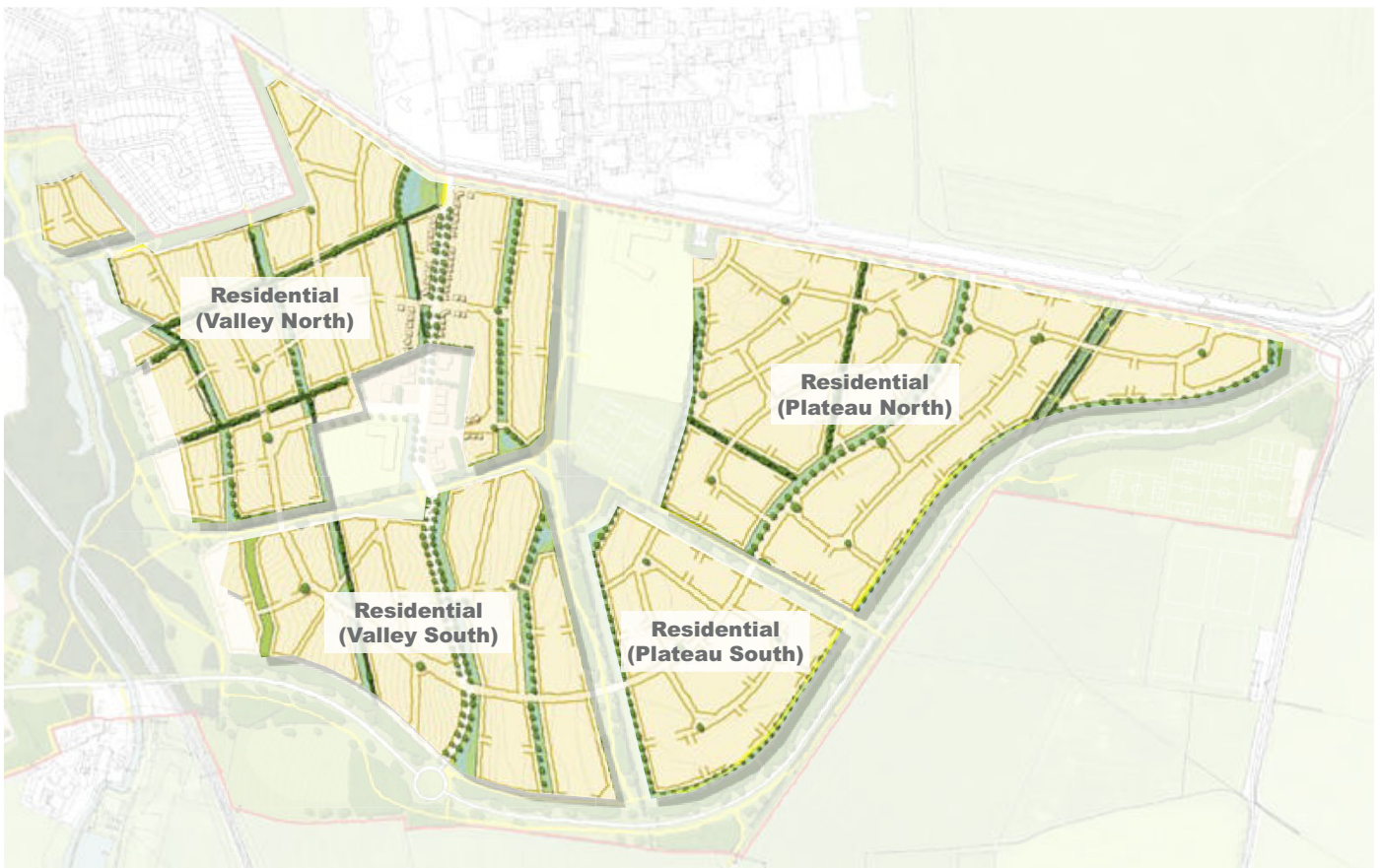
Residential

The proposed housing areas are located throughout the central and eastern parts of the site to the east of the River Witham. In terms of the location and siting of the housing areas these fall into two distinct areas;

1. Valley Slopes – Occupying the eastern River Witham valley slopes, generally with a west and north west aspect and views towards and across Grantham. The existing valley slopes are typically 1:10 to 1: 15
2. Plateau – Occupying the eastern third of the site on the relatively flat and elevated plateau

These two distinct areas are separated by a key north – south GI corridor which extends across the plateau edge, with other GI corridors, existing hedgerows, landscape and SuD's proposals further defining and shaping these areas.

Residential areas will provide for a broad range of house types that cater for modern living and for a wide demographic. It will include affordable housing and could also include some housing for the elderly and some self-build plots.





Existing properties in Grantham



Existing properties close to the River Witham

Green Infrastructure, Landscape and Public Open Space

The development's Green Infrastructure, landscape and public open space is the primary organising feature that structures the built development and other infrastructure components. It is based around delivering well designed and functional green spaces that take advantage of the existing characteristics and features of the site. It reflects the aims and objectives of the Grantham Green Infrastructure Strategy and the broader principles outlines in the Natural England Green Infrastructure Guide.



River Witham corridor north of the site

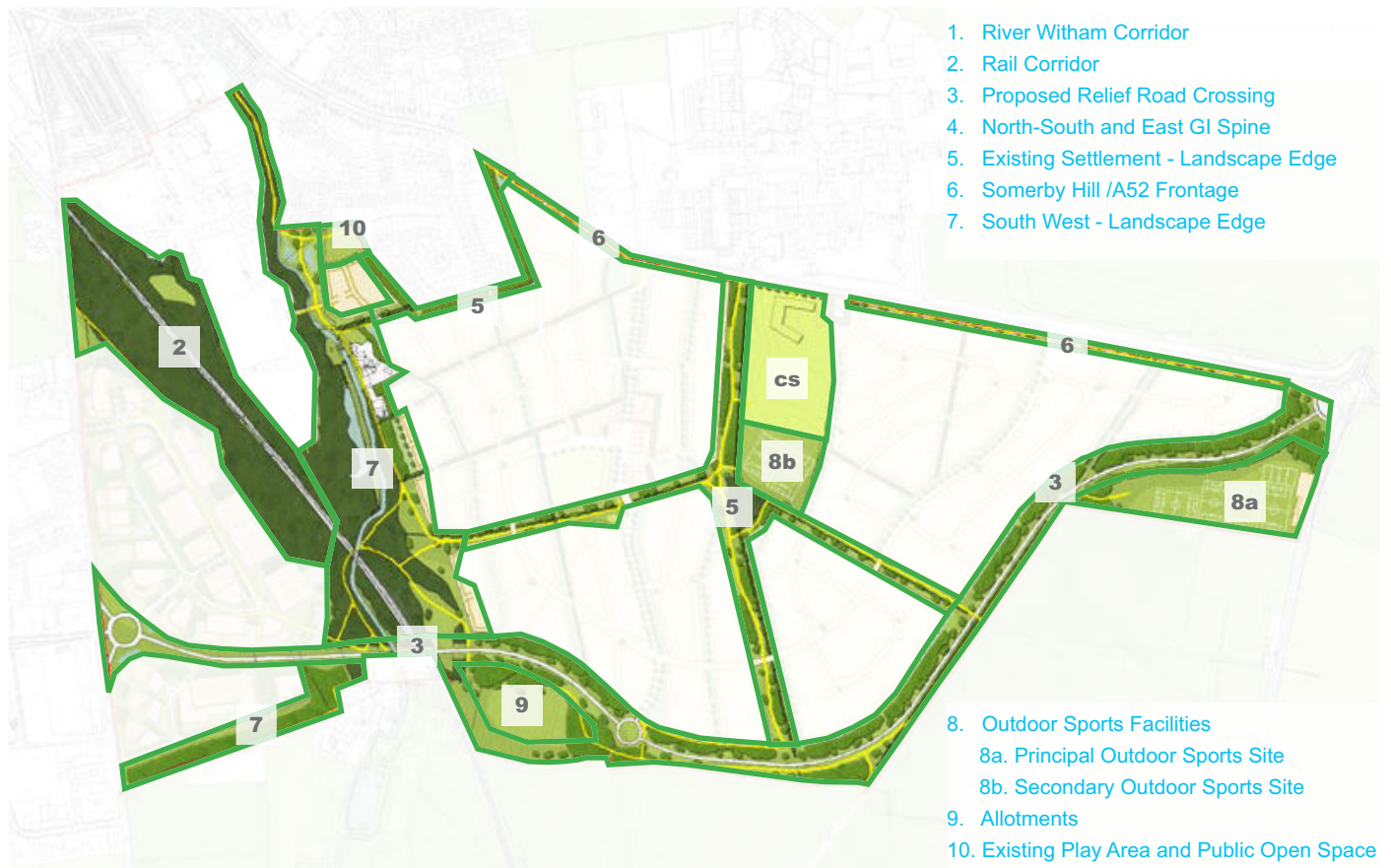
The existing habitats and features will be supported by new planting including grassland, meadows, native woodland, trees and hedgerows and wetland features. This combination of conserved existing and new landscape areas will form a connected network of corridors and spaces running throughout the site. These will ensure that not only is a strong landscape framework established for the built development areas

but also that there are valuable benefits for wildlife, for pedestrians and cyclists and for the sustainable drainage of the development.

The proposals will include the conservation of significant areas of existing woodland, trees and hedgerows. Notably, this includes the corridor of mature woodland and planting lining the River Witham, and the prominent small woodland copse at the centre of the site.



New footway / cycleway access to be provided alongside existing trees on the western banks of the river



The development will include the following key GI areas and features:

1. River Witham Corridor

The mature and enclosed character of the lower slopes of the river valley corridor will be conserved. New footway and cycleway access will be provided along this north – south corridor and within the mature planting and woodland areas. The detailed alignment of this route will be determined based upon balancing the ecological interest and sensitivities of the river corridor with providing good and safe access across and along the riverside.

Positive and active management of the planting and habitats along the corridor will be undertaken and will prioritise biodiversity objectives and be underpinned by suitable long term landscape and environmental management plans.



Conserved wetland habitats to be managed for ecological benefit

2. Rail Corridor

The East Coast Main Line (ECML) passes to the west of the River Witham in cutting and to the east on embankment. This land is beyond the control of the landowners, yet the existing railside planting and habitats will contribute towards the wildlife corridors that extend beyond the site and link together with the River Witham corridor.



Broad landscape corridor to the rail line in the north west of the site



River Witham below the existing rail viaduct

3. Relief Road Corridor

The proposed Relief Road will incorporate a broad corridor of new native planting, landscape and SuD's proposals. These proposals will assimilate the new road into the landscape and mitigate its potential effects upon the existing and new settlement and properties. The road will entail new earthworks, particularly within the valley and the inclusion of a new viaduct crossing of the ECML and River Witham. The design of the viaduct is considered to be very important and will have an influence on defining the character and identity of both the road corridor and the adjoining new settlement.

The design of the Relief Road is being progressed by the local Highway Authority, Lincolnshire County Council and they have been involved in the design and development of the Masterplan proposals to date. Various options for the alignment and layout of the new road have been considered and assessed to date and further detailed design and technical work is ongoing. It is important that this close liaison between all parties associated with the wider SQ site and the new road continues throughout the design and implementation stages.

4. North – South and East – West GI Spines

Extending through the centre of the residential development area, these primary GI corridors will incorporate existing and new woodland, tree and hedgerow planting, alongside new footway/ cycleway links, SuD's features and other public open space. These corridors will provide good and direct access across the development and between the Riverside Corridor, the new local centre, schools, sports facilities, A52 (Somerset Hill) and the new Relief Road.

The corridors have been designed and aligned to ensure that there is easy access to the lower valley slopes and Riverside Walk and to provide a "green edge" to the highest and most prominent plateau edge areas. The latter will include conservation of the woodland copse at the heart of the site and new planting and outdoor sports and play facilities in close proximity. They will be typically 30 – 60 metres wide and will broaden further in places.



View into the valley along the proposed east-west GI spine

Secondary GI links and other public open space, landscape and SuD’s proposals will connect with these main corridors and filter throughout the wider built development areas.

5. Landscape Edge – Existing Settlement

The relationship of the existing settlement edge to the new development has been carefully considered as part of the design and consultation process. The proposed design approach will offer effective “buffering” of the new development, whilst providing valuable footway and cycleway connections and landscape and wildlife corridors that will connect between Somerby Hill in the north and the Riverside Corridor to the south.

New native woodland, tree and hedgerow planting and sympathetic mounding will be

incorporated with new housing and streets fronting on to the proposals. It is envisaged that the early implementation of these works could be undertaken (subject to the necessary approvals and agreements) to establish the proposals prior to the nearest built development.

Whilst no direct vehicular access between the existing and new residential areas is envisaged in this area, vehicular access from Bridge End Grove/ Saltersford Road down towards Paper Mill Farm Cottage and the lowest valley slopes would be maintained. Footway and cycleway links are proposed and would connect through to the Riverside Corridor.

6. Somerby Hill/ A52 Frontage

A landscape and public open space

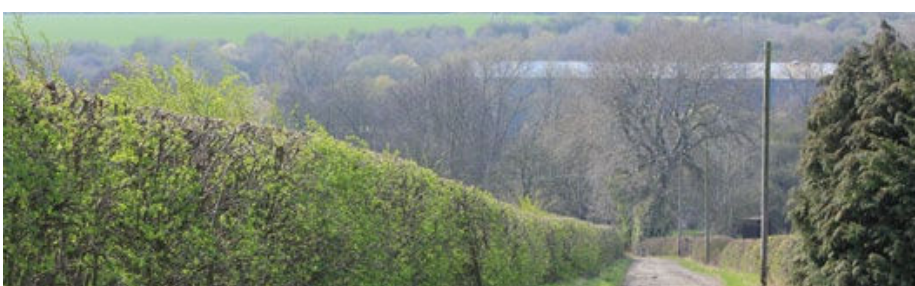
frontage will extend for the majority of the northern edge of the site, alongside the Somerby Hill/ A52. This frontage will allow for the inclusion of a safe and direct “off road” footway/ cycleway and for a continuous and cohesive landscape and planting treatment to the roadside. The use of street trees and existing and new hedgerows, with new properties and streets fronting towards this landscape frontage will create an attractive impression and approach into Grantham.

7. Landscape Edge – South West

On the south western edge of the site, a broad swathe of woodland planting will be included to form a robust and enduring landscape boundary to the development. This will provide a planting link between the B1174 roadside and the Saltersford



Footway / cycleway access only from Bridge End Grove



Existing access to the Paper Mill Farm Cottage retained



New sports facilities to be sited alongside existing pitches



Access road to existing water treatment works



New woodland planting along the south west site boundary will establish a robust edge to the landscape beyond

Water Treatment Works and proposed Relief Rd corridor. In addition to the new native planting proposals the existing public footpath connection (that extends to the south of the SQ site at this location) will be maintained, although will potentially be diverted as part of the Relief Road works.

8. Outdoor Sports Facilities

New outdoor sports facilities are proposed at 2 locations. On the eastern edge of the SQ site, new facilities are proposed alongside the existing sports ground, with access off the B6403. These will be sited to the east of the new Relief Road yet would be accessible on foot and cycle from the new development via a crossing and Whalebone Lane. Other new outdoor sports facilities are proposed at the centre of the development area alongside the School and

with easy access to the main GI corridors and nearby Local Centre and Primary School.

The type and number of facilities and pitches to be included within these locations will be determined and agreed with the relevant authorities and organisations as part of the subsequent design process. The proposed facilities in the east of the site could potentially be linked to the existing facilities to provide a “hub” of sporting activity.

9. Allotments

A site for new allotments is proposed close to the southern edge of the site on the mid valley slopes. The site will be accessible for vehicles via links either beneath the proposed viaduct or from the Relief Road

junction to the east of the allotments. They will also be linked to the footway cycleway network that extends around the Relief Road and connects with the Riverside Corridor link.

10. Play Spaces

An existing play facility will be retained in the northern part of the area and potentially extended or improved as part of the delivery of play provision across the site. Other new formal and informal play spaces will be located throughout the development to provide safe and easy access to a variety of spaces. A Play Strategy will be devised as part of the subsequent design process, in conjunction with the relevant authorities.



Facilities in the east of the site



Existing play provision will be enhanced with new formal and informal play spaces

Employment

With the exception of any potential small scale employment uses associated with the Local Centre, all other employment uses will be sited on the western third of the site, west of the River Witham and ECML. This area will logically sit on the slopes beneath the B1174 (Spittlegate Level) and the existing employment and commercial uses on the more elevated western side of this road

The identified employment area will form an extension to the existing uses west of the B1174. The proposals will cater for a potential range of business, office, manufacturing, general industrial and distribution uses. It is envisaged that these development areas will comprise contemporary and sustainable buildings set within an attractive landscape setting, utilising new and conserved green infrastructure. The proposed Relief Road corridor will extend through the southern part of this area, with new employment buildings sited to both the north and south of the new road.

Access will potentially be gained from both the B1174 (Spittlegate Level) and the new Relief Road roundabout, subject to further design development and agreement with the Highways Authority. Footway and cycleway access will be provided via the existing connections and public footpath directly to the north of this part of the site. Significantly, a new footway/ cycleway link from this part of the site to the proposed housing on the eastern valley slopes and to the Riverside Corridor is proposed. Given the steeply sloping nature of the lower valley slopes in this part of the site and the associated dense mature nature of some of the existing woodland, this link will require further detailed evaluation and design. It is envisaged that the route will cross the river close to the existing rail viaduct and pass beneath the viaduct. It potentially offers a dramatic and attractive link and importantly, will connect the housing with the employment uses.

It is envisaged that new offices and business based buildings will front the more visible and gateway frontages to this part of the site, with other industrial, distribution or general employment buildings on the less visible areas behind. The layout, design and appearance of the development should adopt a good quality, sustainable and co-ordinated approach to achieve a "park" style appearance.



Existing car showrooms along the B1174 Spittlegate Level



New distribution development proposed to the west of the B1174



Employment Proposals Plan

Local Centre

Similar to traditional places and communities, it is anticipated that the local centre will include a variety of jobs, retail and community facilities, which will generate a vibrant focus. This part of the development is located centrally and will have a visual presence on the main distributor road extending through the centre of the site (between the new Relief Road and the existing Somerby Hill/ A52). Importantly, it will also sit alongside the main GI corridor and footway/ cycleway link to the Riverside Corridor and close to the proposed schools and central sports facilities. The sloping nature of the topography underlying the local centre will present design challenges. However, it is generally orientated along the new primary street and therefore across the slopes. The use of stepped building arrangements across the street and other innovative design solutions should enable a distinctive centre to be formed.

It is envisaged that the centre could include shops, healthcare/ pharmacy, cafes, community facilities and potentially some

residential uses over ground floor commercial properties. This will create a truly diverse and mixed-use 'heart' to the development. The range of uses could include A1 (shops), A2 (offices/services), A3 (restaurants), A5 (hot food take away), B1 (offices and light commercial uses), C1 (hotel/guest houses), C3 (residential) and D1 (health and community uses).

The main design principles for the layout of the local centre are:

- Creation of a sustainable communal space, which will be defined and enclosed by good quality and attractive buildings that will form a strong and active focus;
- Positive and active building frontages towards the new primary street and public realm;
- Footway, cycleway and public transport connections from the GI corridor and along the new primary street;
- A key "community/ public square" alongside this frontage;
- A high quality public realm with appropriate street furniture, lighting and tree planting.



Schools

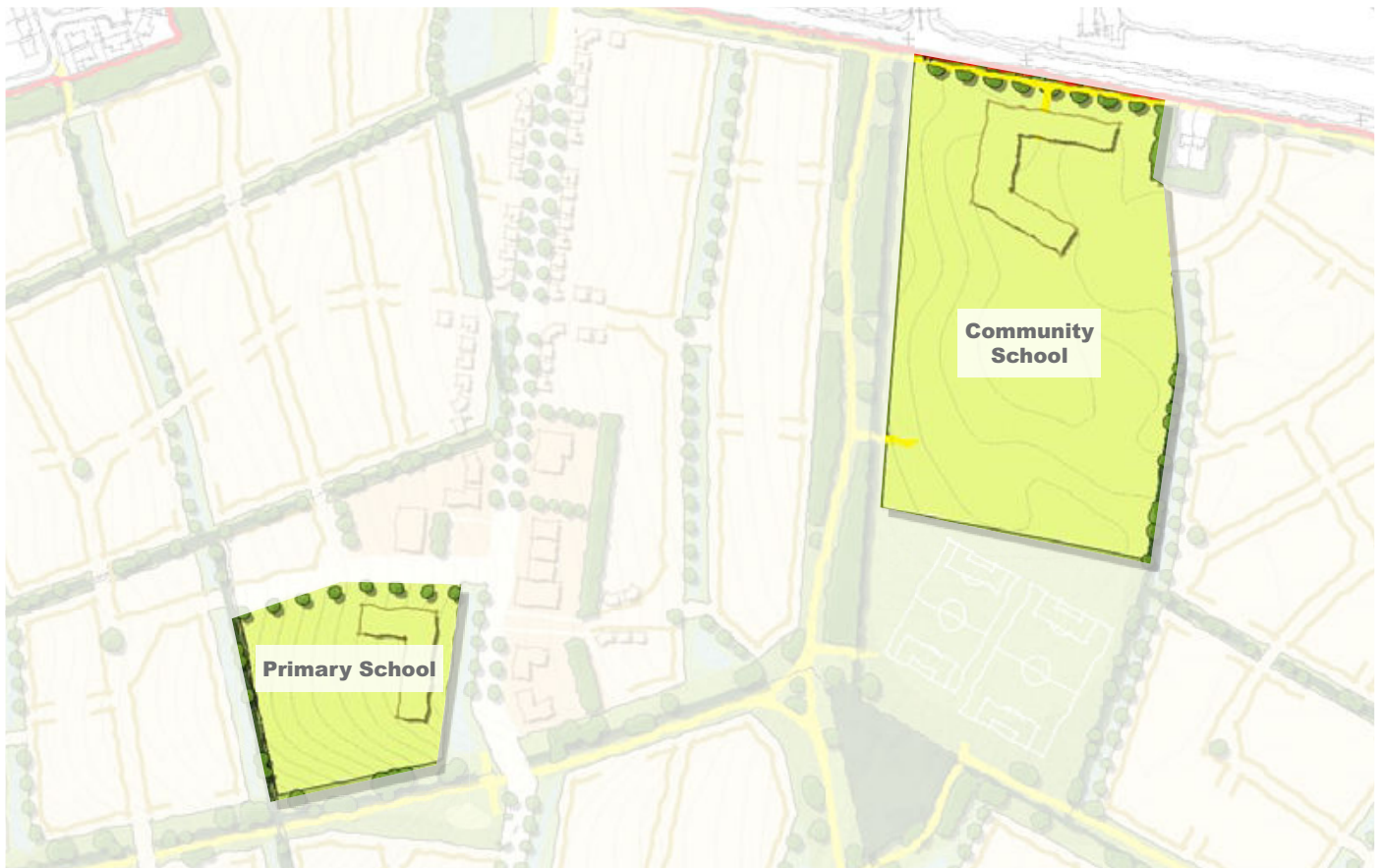
The Masterplan currently assimilates a Community School and Primary School as integral parts of the development, although final requirements will be determined based upon the final number and types of housing. The Community School is located in the central higher and relatively flat parts of the site with a frontage towards the Somerby Hill/ A52. This school site lies close to the plateau edge and alongside the key north-south GI corridor. It is envisaged that the design of the school facilities on this site will take due account of the visual sensitivity of

the plateau edge, whilst taking advantage of the expansive views across Grantham. Community outdoor sports pitches are located immediately south of this school site. Vehicular access to this school will be principally direct from the A52.

Situated alongside the Local Centre and central to the development on the valley slopes is the proposed Primary School. This school is similarly sited with excellent access links and connections to the GI network. This school will positively contribute towards

the vibrancy of the adjacent Local Centre and to the creation of a focus to the new neighbourhood. The sloping nature of this site will present design challenges for the school.

The design requirements and objectives of the school sites, when determined, will be advanced in close consultation with the education authority and any other relevant parties in due course. The layout, design and landscape treatment of the identified sites will need to respect the amenity and privacy of the existing and new properties.



Southern Relief Road

The Southern Relief Road (SRR) will provide a high standard link road between the A1 in the west and the A52 in the east. It will provide much needed relief to the centre of Grantham and will in turn have significant regeneration and enhancement benefits for the wider town. In addition to resolving key town centre traffic issues, the SRR will also provide a key strategic access point to the SQ development.

At its western extent, the SRR will be likely to tie-in to a new roundabout on the B1174 which is to be constructed as part of a separate yet related scheme linking the B1174 to a new grade separated junction on the A1. At its eastern extent, the scheme would tie-in to the A52 at a new roundabout.

Lincolnshire County Council are advancing the proposals for the SRR and have undertaken various studies and considered different design options (See also Green Infrastructure section, reference area 3). Two key options were considered before the peripheral alignment running largely around the southern boundary of the development area was chosen.

In the context of the masterplan and the design of the SQ, the proposed viaduct is a key feature and its design and environmental effects will be of particular importance to the future development.



The future link road to the A1 will extend to the west of the B1174



Whalebone Lane would be retained alongside the SRR for footway / cycleway access



Southern Relief Road proposals plan

URBAN DESIGN

Streets

Best practice approaches for street design are founded on places that have a series of different street types. Usually this is based upon a hierarchy of streets, each having different design characteristics in terms of function, width, building form, landscape and frontage details. Collectively and in conjunction with the broader development areas, this will help to generate a legible environment and give the development identity and a sense of place.

The key design principles to be adopted for the streets and access proposals are to:

- Create streets for people and avoid highway dominated layouts;
- Create a series of different street types, that have different characteristics;
- Provide a connected and typically a regular grid pattern of streets;

- Maximise connectivity with the existing surrounding area and uses;
- Encourage people to walk, cycle and use public transport;
- Provide a choice of routes which are direct and provide easy connections to local facilities and activities both on and off site.
- Ensure all users can move safely and freely through the streets;
- Calm and control vehicular speeds through the adoption of good urban design practices;

The site's existing environment has been central to shaping the development concept, as detailed in the preceding sections. The sloping topography, views into and out of the site and its relationship to the A52, B1174 and the proposed SRR have been important factors in considering the urban structure and street design. The broader Grantham Movement Study has also informed the process.

The primary streets and access to the site have been the subject of discussions with Lincolnshire County Council and these principles are detailed earlier in this document.

The masterplan envisages a series of street types;



Existing street on the sloping landform surrounding the town



proposed structural landscape to buffer from residential development

Primary Street

The primary street will be the principal route which extends between the SRR and Somerby Hill/ A52, in a broadly north – south direction and across the mid valley slopes. The street will also connect through the main square at the centre of the site and with other secondary streets and GI corridors.

It will be a street typically lined and by relatively higher density and more compact arrangement of buildings, potentially including linked 2.5 and 3 storey narrower plan dwellings. The primary street will include other feature squares and will accommodate a public bus route. This street will run across the mid valley slopes (generally following the contours) yet will pose some urban design challenges in addressing the cross fall and the arrangement and relationship of buildings

and spaces across this corridor. Narrowing the street in places; using wider plan dwellings and the use of some split level buildings would be envisaged.

Secondary Streets

Secondary residential streets will lead off from the primary street and the A52. These streets will generally be slightly narrower, and include medium and medium/ high density, with a mix of predominantly 2 storey, narrow and wider plan dwellings.

Side Streets and Lanes

The Side Streets and Lanes will add further tiers to the street types and will generally be located linking the primary and secondary streets and around the lower density areas and fronting onto the GI corridors and public

open space. These streets will generally be designed as narrower corridors and will include some shared surface streets.

These streets and lanes will be generally narrower, with the dwellings predominantly wider in plan and informal in arrangement.

Main Square

As the 'centre' of the scheme and on the mid valley slopes, the street design will include a Main Square. This will be located along the primary street and will relate to both the Local Centre and Primary School and to the key east – west GI corridor. It will form an important feature of the public realm. Other features squares will be provided throughout the development at key intersections of streets and GI corridors.



Illustrative view of the Primary Street and Local Centre showing the potential arrangement of uses and landscape proposals

Heights, Density and Form

The proposed development will include changes in building heights, density and forms. This will ensure that there is character and visual interest and will also enable the layout and detailed design of the proposals to respond to its context. In general, it is anticipated that the majority of the new houses will be 2 storey, with some 2.5 or 3 storey properties in appropriate locations.

A range of dwelling densities will be provided across the site relating to a number of factors, including its settlement edge location, the character of the particular area and relevant street type and the underlying landform characteristics. In general the relative higher densities will be defined by the use of more linked dwellings, narrower plan forms and reduced frontages, with more 2.5 or 3 storey properties. These higher densities and taller properties are most likely to be located along the primary and secondary streets and around the local centre and at other street intersections of feature squares across the site.

The lower density housing will be characterised by more detached and semi-detached properties, with deeper frontages (or "set backs"), tree lined roads and more

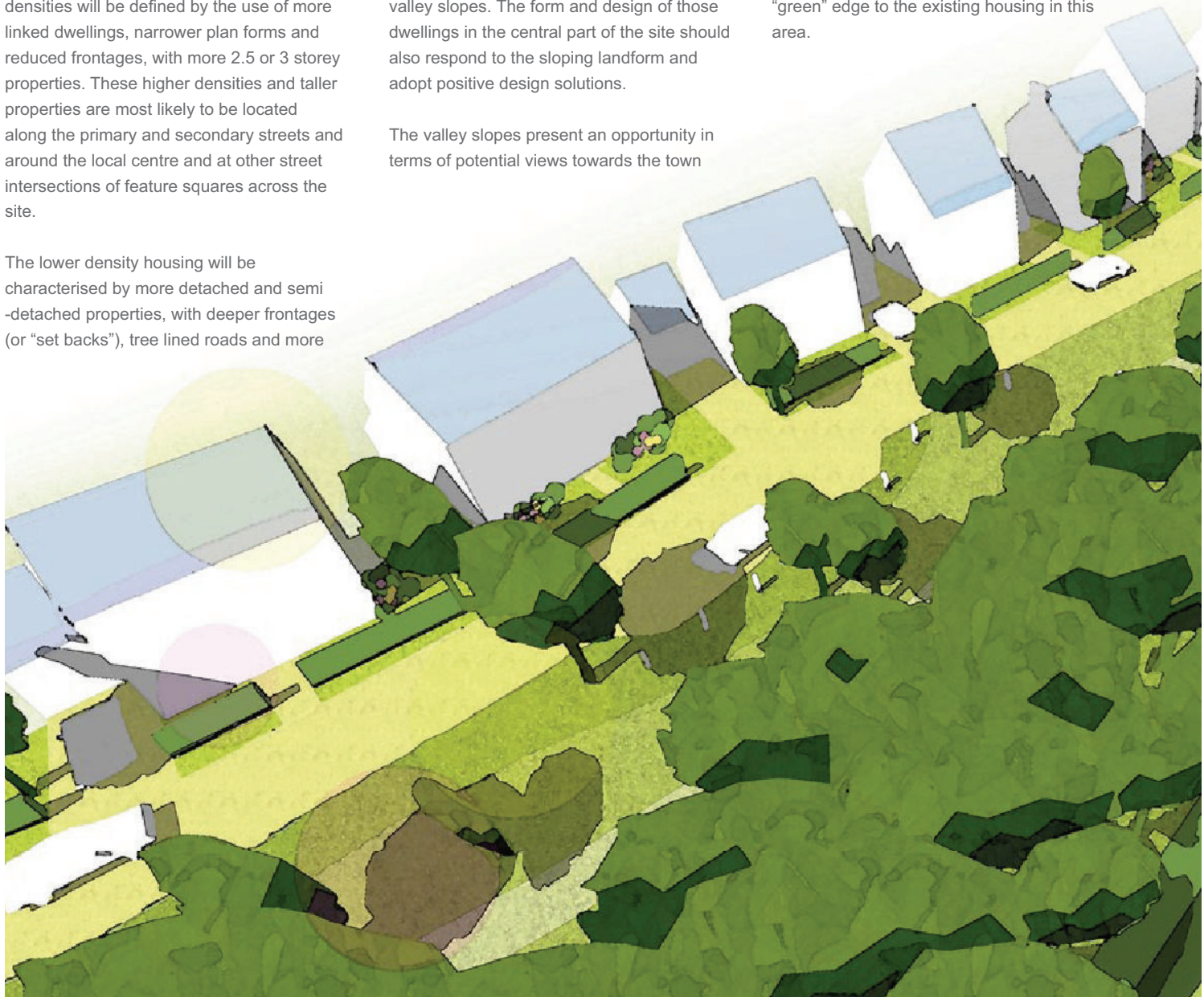
green elements (trees, front gardens, hedges and open space). The range of building heights, densities and form will be need to be fully explored and defined as the scheme design advances. These factors will be important considerations in defining the character areas to be established across the site.

The marked difference between the relatively flat topography of the plateau top in the eastern third of the site and the steeper valley slopes to the east of the River Witham towards the centre of the site is also an important consideration. Taller properties should avoid the plateau edge and the highest valley slopes. The form and design of those dwellings in the central part of the site should also respond to the sloping landform and adopt positive design solutions.

The valley slopes present an opportunity in terms of potential views towards the town

centre and across the valley. Split level floor plans and other innovative and varying design solutions could be employed on the steeper sloping parts of the site.

As highlighted within the Green Infrastructure features of the proposed development, the relationship of the existing settlement edge to the new development will be important. The proposals will offer effective "buffering" of the new development, whilst providing valuable footway and cycleway connections. The design approach will seek to provide a robust landscape corridor, comprising sympathetic mounding and native tree, hedgerow and shrub planting. This will maintain a suitable "green" edge to the existing housing in this area.



Landscape corridor to existing settlement edge

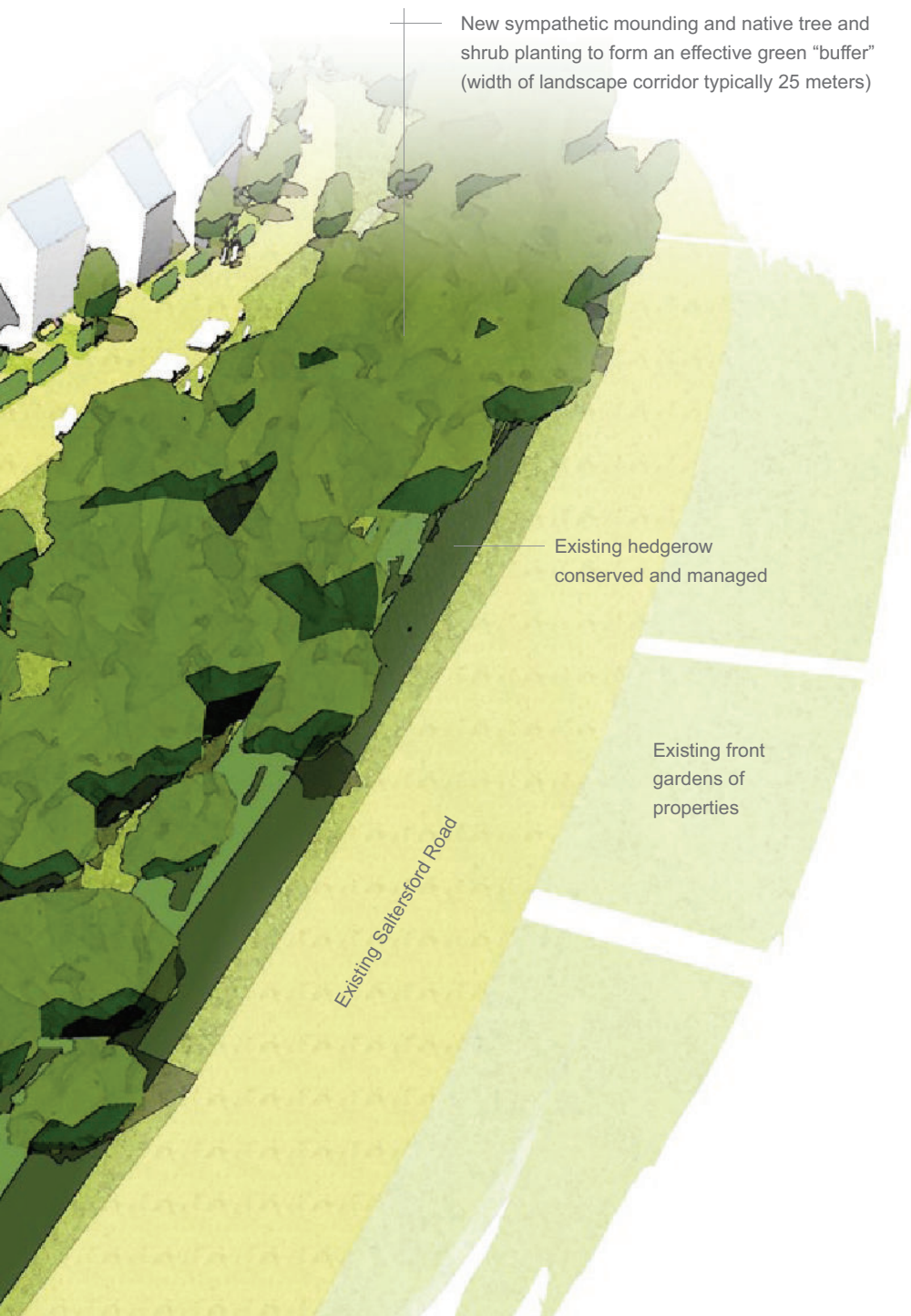
Appearance

The intention of this Masterplan document is not to detail all of the design principles to be adopted by the development or at this stage to be rigid or prescriptive in terms of the appearance or architecture of the proposals. Ultimately, the appearance and character of the development will not just be about the design and architecture of individual buildings but also the way the streets, plots and landscape are all designed and interact.

Building design and appearance will relate to good examples that can be found within the local area and to the Grantham Townscape Character Assessment. The emphasis will be on providing new high quality homes and building designs that are enduring, desirable and attractive. Simplicity of form and a good sense of scale and proportion, coupled with the use of quality materials will underpin the designs.

The proposed employment areas will include buildings of varying sizes, forms and design appearance, although it is envisaged that a contemporary architectural style will run throughout these areas. Whilst there will undoubtedly be variations in the appearance and architecture of these units, it is anticipated that through a combination of a consistent landscape treatment and the use of similar design approaches, colours or materials, a cohesive and modern employment area will develop.

The public realm proposals will include a variety of new areas and features. New high quality street trees, hedgerows and other planting and habitats would be provided. A mix of planting sizes and stock will be used, with large trees and plants used where an immediate effect would be beneficial. Footways, cycleways and other hard paved areas would be created, utilising a variety of materials and products, with the higher profile spaces (eg within and around the local centre) adopting specific materials and specifications.



Development Blocks & Plots

The following principles will be adopted in the design of the residential areas of the development;

- In general, blocks would be designed as closed perimeter blocks with "back to back" properties;
- A range of block sizes would be adopted that would assist in varying the character of the different identified areas
- Arranging buildings so that they enclose and overlook streets and spaces and where relevant have a positive and direct interaction with the public realm
- Efficient and practical block and plot sizes
- Draw reference from positive local examples

Plot design will be centred on delivering efficient plot depths and widths, with appropriate space for parking and space for private rear gardens and frontages. In the relative higher density areas, buildings will generally be located to the front of the plot near the footway and public realm so as to encourage street enclosure and active streets. The development block design on the central sloping part of the site will include more



Existing housing on sloping ground at Grantham



Typical closed block arrangement which could be adapted to respond to the underlying landform

Sustainability

The site is located within a sustainable location. Grantham town centre lies approximately 2km to the north and is within walking and cycling distance and bus stops already lie along the A52 and B1174 immediately to the north and west of the site. It is envisaged that public transport provision would be extended through the proposed development with bus routes and stops to effectively serve the entire site.

Existing employment and retail areas border the site and further provision of these uses is included within the proposed development. Easy and excellent access between the future housing areas and these existing and proposed facilities will therefore be possible. With the well-connected network of footways and cycleways extending throughout the development and its surroundings this will reduce the need to travel by car.

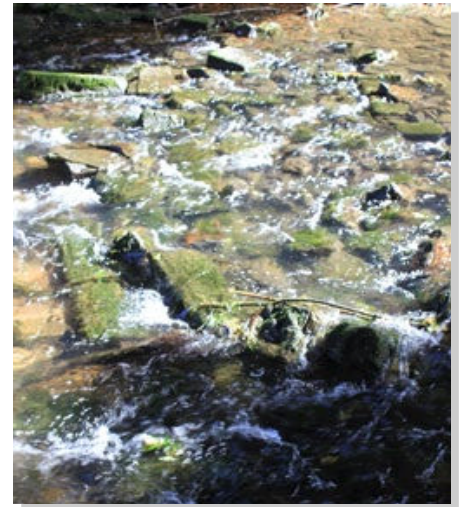


The site offers good potential links to the town and countryside

A significant proportion of the site would be dedicated to Green Infrastructure (GI) and this will include a SuD's strategy (see below), a mix of new and conserved habitats, trees and public open space. This will provide valuable benefits, including contributing towards urban cooling. The management of the GI and including the proposed recreational facilities would be agreed and carried out by the relevant authorities.

A Landscape and Environmental Management Plan would support the conservation of the existing retained planting and habitats and the successful establishment and continued thriving of the new proposals.

All new housing would seek to reduce energy use by improving efficiency and will embrace the latest sustainability standards for housing construction. Similarly, all other new buildings would be designed to the relevant approved standards. Waste management and reduction will be encouraged through best practice approaches. This will include the provision of space for recycling and the use of a range of water saving devices.



Appropriate long term management of the existing riverside habitats will form part of the proposals

Sustainable Drainage Strategy (SuD's)

Based upon the preliminary studies undertaken, both infiltration and attenuation SuDS applications are deemed appropriate for the SQ site. Substantial areas will be required to accommodate the likely scale of run-off generated by the size of the proposed development proposed. This will in turn entail a significant quantity of earthworks work to create the storage volumes and to dispose of the material arising from those excavations.

An outline network of surface water drainage, attenuation and infiltration features has been designed into the Illustrative Masterplan, in accordance with current standards for drainage performance. This will achieve the objectives of controlling peak flows leaving the site and providing appropriate pollution control facets in the drainage process.

The vast majority of the SuD's features will be in the form of open ponds or swales. In addition to their functional drainage objectives, these features will be designed and managed to positively contribute towards

the character of the built development and the GI and wildlife objectives. The strategy will incorporate a network of SuD's features, generally associated with the GI, existing hedgerows and framework of organising streets. This is most likely to entail the creation of swales and linear ponds extending across the contours on the more steeply sloping parts of the site, with larger ponds on the lower slopes and within the Riverside Corridor.

The SuDs features will be "designed in" to the development proposals and for example could be lined by street trees and other public realm proposals to create attractive green features within the built up areas. Other larger ponds on the lower slopes will be more informal and will adopt a stronger wildlife emphasis to their design and management. These features will compliment the character and interest of the River Witham habitats.



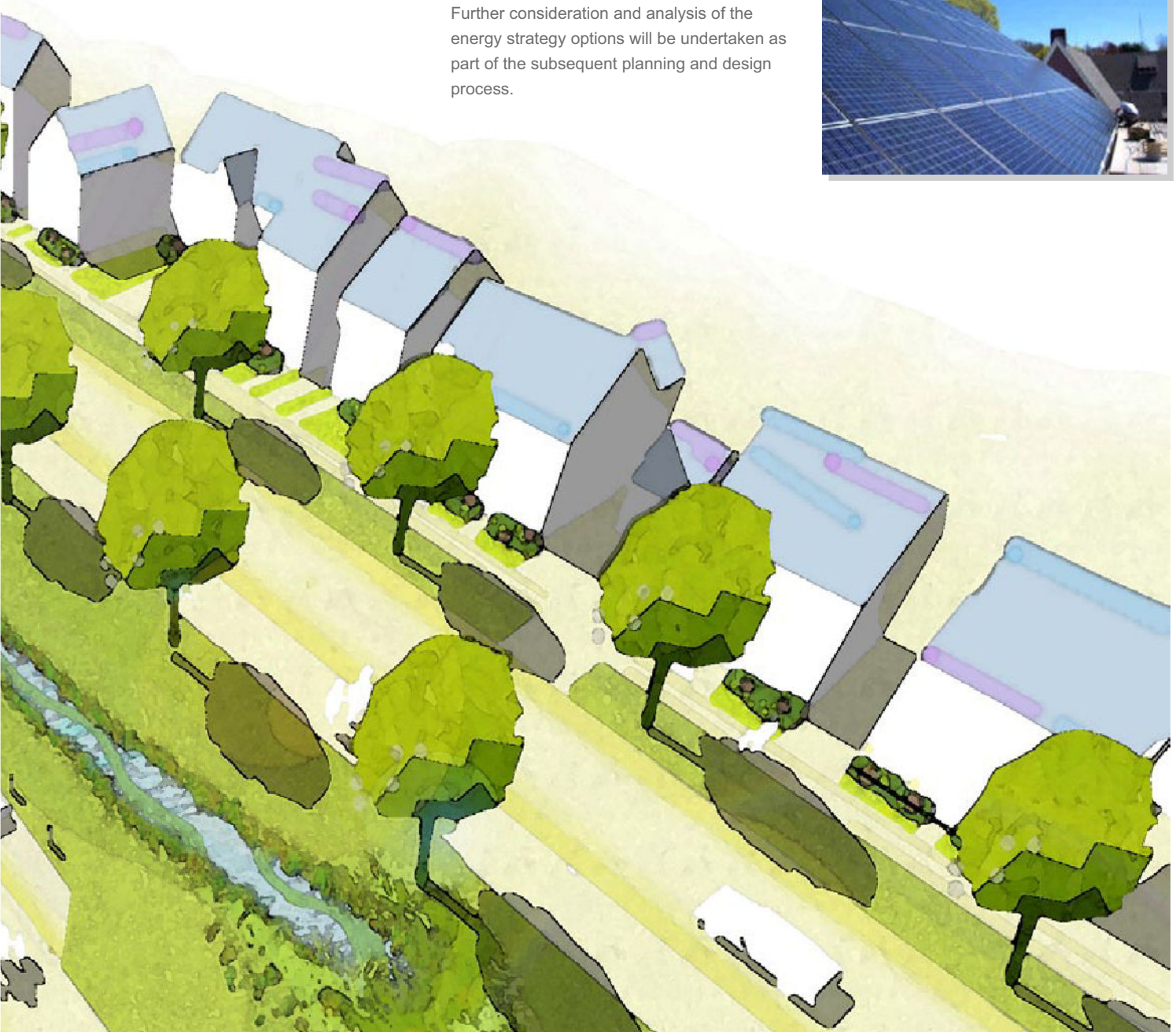
Indicative sketches showing how SuDS swales and linear ponds could be incorporated into the design of the streets and GI corridors

Energy Strategy

A study was undertaken in late 2011 to examine the energy strategy options available for the future development on the site. It was conducted through the Carbon Trust Strategic Design Advice framework. The study put forward a number of potential outline schemes which could potentially deliver carbon savings and energy efficient solutions for the SQ development. It offered a very broad overview of the likely options available and advised that the final strategy may consist of a combination of different options for different parts of the site.

The proposed energy strategy for the development needs to be in accordance with the future regulations and local policy governing energy consumption and CO₂ emissions and also compatible with the development objectives and design aspirations for the SQ scheme. It should be noted that the future building regulation proposals (with zero carbon homes from 2016 and zero carbon non-domestic buildings from 2019) will represent a significant change in practice. By meeting these future standards, the development could be considered sustainable from an energy and CO₂ perspective.

Further consideration and analysis of the energy strategy options will be undertaken as part of the subsequent planning and design process.



TIMESCALE & PHASING

Timescale

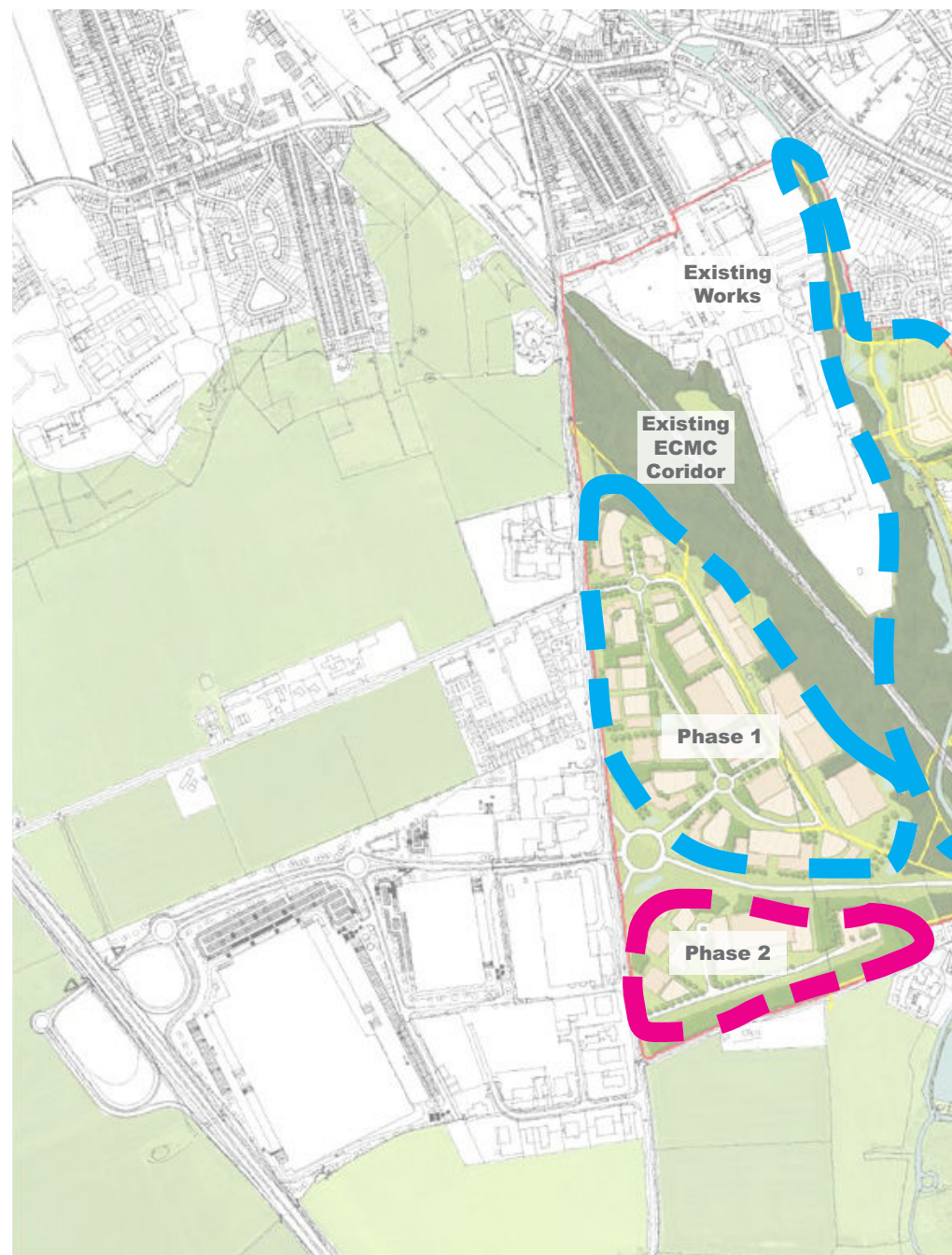
Development on the site will progress in a timely manner according to agreed phasing requirements, ensuring the delivery of new community infrastructure, such as schools, local shops and community facilities at appropriate points within the development programme.

Before any development commences and any new homes or employment development is ready for occupation, there are a number of stages that still need to be completed.

The proposed Relief Road is currently being designed by the Highways Authority and a planning application and other necessary agreements for this key component of the SQ development are expected to be advanced in early 2013. For the remainder of the scheme, it is currently anticipated that an outline planning application would be prepared in 2013, with a view to approval in late 2013/early 2014. Detailed planning permission for the first phase of development could therefore be tentatively programmed for 2014, in advance of works starting at the earliest later that year. It is currently envisaged that some advance landscape works may be undertaken as part of the first phase of work, including the settlement edge landscape proposals, surrounding the existing properties on Bridge End Grove and Saltersford Road.

Phasing

The accompanying diagram shows an indicative phasing of the development. It is envisaged that the residential development will commence in the central northern part of the site. This will enable some supporting community and mixed uses to come forward early in the development. It is then generally



Indicative Phasing Plan

envisaged that the residential development areas will be progressively built out towards the east and south. Detailed phasing arrangements will need to be agreed with the statutory undertakers and utility companies as the availability and timing of utilities to serve the site will influence the phasing options.

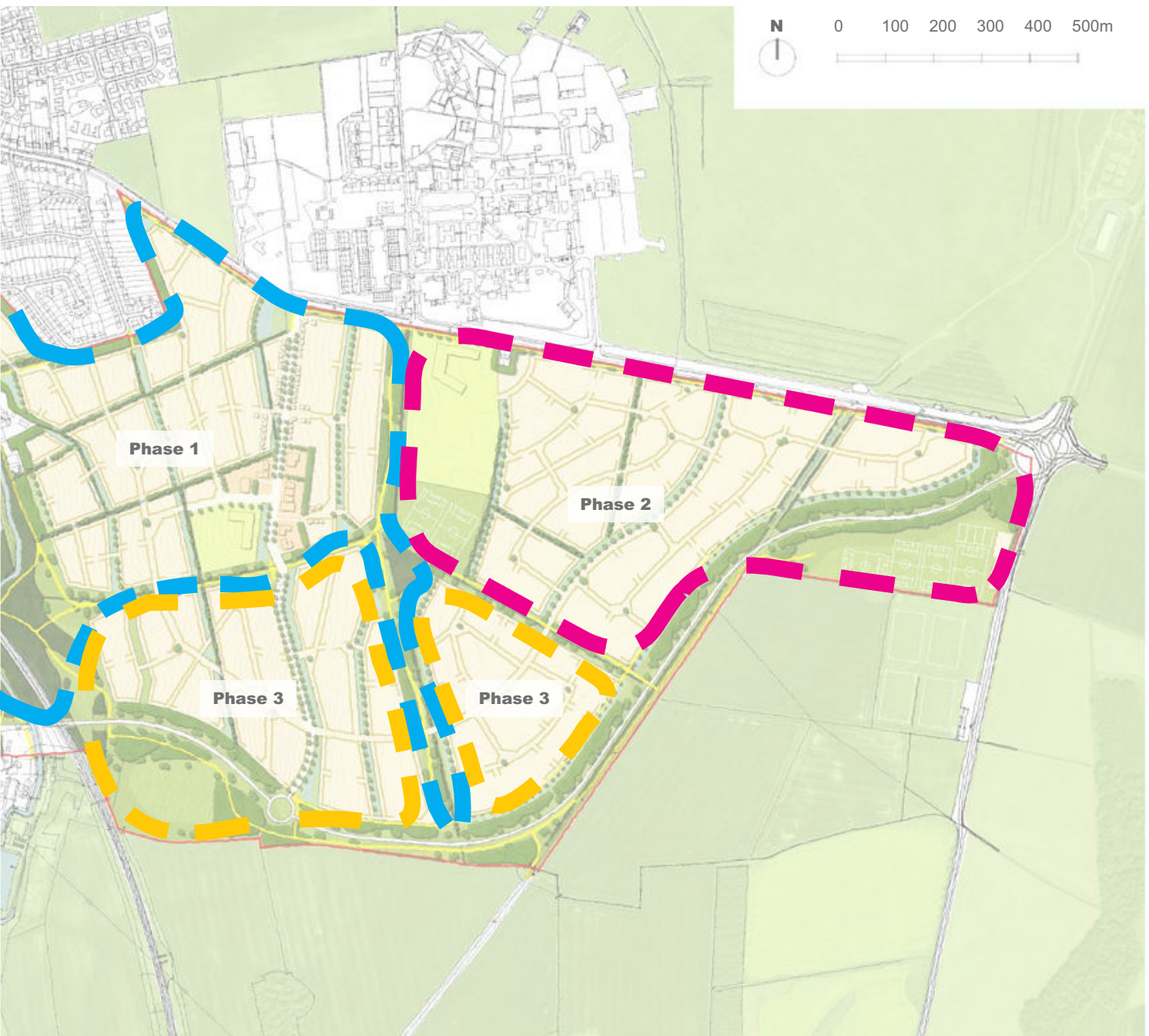
It is anticipated that the key Green Infrastructure proposals within the River Witham corridor (and including the Riverside Walk); around the existing settlement edge (surrounding the properties on Bridge End Grove) and across the higher valley slopes

and plateau edge will be undertaken relatively early in the development. Importantly, this will enable the woodland, tree and other planting associated with these proposals to establish and grow prior to much of the nearby and wider built development being implemented.

The phasing of the employment area will be generally independent of the development east of the river. The phasing and implementation of this area will be largely dictated by economic factors and specific end user requirements. It is however, anticipated that the gateway and frontage

landscape proposals and other important aspects governing the character and appearance of this part of the development will be undertaken early in the implementation process. This will set the scene and character for the employment area.

Further details of the likely phasing and delivery programme would be advanced as part of the outline planning stage of the development process. This will include further details of the phasing of all the green infrastructure components and access and utilities infrastructure.





South Kesteven District Council

Equality Analysis (Stage 1)

Draft Southern Quadrant Masterplan Supplementary Planning Document (SPD)

Service Area: Planning Policy & Partnerships	Lead officer: Andy Moger	Date of Analysis 17 th September 2012
	Assessors: Karen Sinclair	
	Neutral Assessor: Elaine Claridge	

1. Name and description of policy/service/function/strategy:
 Southern Quadrant Masterplan Supplementary Planning Document (SPD).

The Southern Quadrant site consists of an area of 267 hectares to the south of the town between the A52 Somerby Hill and B1174 Spittlegate Level. The development of the site is intended to provide approximately 3,500 new dwellings, new education, healthcare and community facilities as well as new open spaces and sports pitches. It will also help to deliver the Southern Relief Road

The Masterplan SPD establishes a set of objectives, principles and guidelines to inform the preparation of detailed development proposals for the development of the Southern Quadrant. It will support the implementation of policies in the Core Strategy (which is the overarching planning policy document for the District) and may be used by planning officers, elected members, developers, Local communities and the public.

It will be the subject of public consultation prior to the final version of the document being adopted by the Council.

Is this a new or existing policy?

The SPD supplements existing policies in the Core Strategy.

2. Complete the table below, considering whether the proposed policy/service/function/strategy could have any potential positive, or negative impacts on groups from any of the protected characteristics (or diversity strands) listed, using demographic data, user surveys, local consultations evaluation forms, comments and complaints etc.

Equality Group	Does this policy/service/function/strategy have a positive, or negative impact on any of the equality groups? Please state which for each group	Please describe why the impact is positive, or negative. If you consider this policy etc is not relevant to a specific characteristic please explain why
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Age	Positive	The provision of a mixture of housing types, together with a provision of new education and employment facilities will be of benefit to the full range of age groups. Secured by Design principles will also aid the sense of community safety for all age groups.
Disability	Positive	There will be no barriers for access to community facilities and housing and leisure facilities will be accessible
Race	Neutral	The development will be available to all regardless of race
Gender Reassignment	Neutral	The development will be available to all
Religion or Belief	Neutral	The development will be available to all regardless of religion or belief
Sex	Neutral	The development will be available to all regardless of gender
Sexual Orientation:	Neutral	The development will be available to all regardless of sexual orientation
Pregnancy and Maternity	Positive	The provision of a health centre will provide positive benefits to this group
Marriage and Civil Partnership	Neutral	The development will be available to all
Carers	Positive	Accessible facilities, provision of a health centre and good transport links will provide positive benefits to this group

Other Groups (e.g. those from deprived (IMD*) communities; those from rural communities, those with an offending past)	Positive	The provision of affordable housing (which may include social rented housing) within the development will be of positive benefit to lower income groups
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*(IMD = Indices of multiple deprivation)

3. What equality data/information did you use to inform the outcomes of the proposed policy/service/function/strategy? (Note any relevant consultation who took part and key findings)

Consultation was carried with Parish Councils, Statutory Consultees (e.g. the Environment Agency) and interest groups such as local residents and businesses, prior to the preparation of the draft SPD to identify key issues/topics that should be included in the SPD, any specific issues relating to these topics and to identify any additional documentation that may be useful in the preparation of the SPD. The results of these consultations were taken into account in the development of this draft SPD.

If there are any gaps in the consultation/monitoring data, how will this be addressed?

A wider six week public consultation, including leaflet drops, drop-in sessions and press releases, will be undertaken on the draft SPD following approval of the document for this purpose by the Cabinet. The results of this stage of consultation will be taken into account in the formulation of the final draft Southern Quadrant Masterplan SPD.

4. Outcomes of analysis and recommendations (please note you will be required to provide evidence to support the recommendations made): Please tick one of the options.

- a. No major change needed: equality analysis has not identified any potential for discrimination or for negative impact and all opportunities to promote equality have been taken

If you have ticked option (a) go to stage 3

- b. Adjust the proposal to remove barriers identified by equality analysis or to better promote equality. Please complete the questions in the box below.

b.1 In brief, what changes are you planning to make to your proposed policy/service/function/strategy to minimise or eliminate the negative equality impacts?

b.2 Please provide details of whom you will consult on the proposed changes and if you do not plan to consult, please provide the rationale behind that decision.

If you have ticked option b go to Stage 2

c. Adverse impact but continue Please provide an explanation in the box below that clearly sets out your justification for continuing with the proposed policy/function/service/strategy. You should consider in stage 2 whether there are sufficient plans to reduce the negative impact and/or plans to monitor the actual impact.

If you have ticked option c please go to Stage 2

d. Stop and remove the policy/function/service/strategy as equality analysis has shown actual or potential unlawful discrimination

Signed (Lead Officer): Andy Moger, Planning Policy & Partnerships
Planning Policy Officer

Date completed: 17th September 2012