

Health Impact Assessment

Land south of Kelvedon Road, Tiptree

Prepared on behalf of Marden Homes Ltd.

February 2019



Site Name:	Land south of Kelvedon Road, Tiptree
Client Name:	Marden Homes Ltd.
Type of Report:	Health Impact Assessment
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APPENDICES

Appendix A – Assessment Matrix

1.0 Introduction

- 1.1 Strutt & Parker have been instructed by Marden Homes Ltd to undertake a Health Impact Assessment (HIA) to examine the potential health effects associated with the proposed Demolition of existing buildings on the site and redevelopment to provide 150 residential dwellings with access, link road to allow for potential future connections, associated parking, private amenity space and public open space at Land south of Kelvedon Road, Tiptree.
- 1.2 This HIA is a requirement of Policy DP2 of the Colchester Borough Council Adopted Development Management Policies (2010). It is also a requirement of Policy DM1 of the Colchester Borough Council emerging Local Plan (2017 2033).
- 1.3 This assessment will review how the scheme responds to Policy DP2 of the adopted Local Plan and Policy DM1 of the emerging Local Plan and the need to encourage healthy activities such as walking and cycling. This assessment also includes a detailed screening assessment of the development against a number of determinants of health which has been included at Appendix A.
- 1.4 This HIA has been prepared in accordance with Essex Planning Officer Association Guidance Note for undertaking HIA's (2008) and uses information publically available regarding the capacity of local facilities. We will be happy to engage with North East Essex Clinical Commissioning Group as required throughout the lifetime of the application as required.

2.0 Scheme Description

Site Description

- 2.1 The application site located to the south of Kelvedon Road (B1023), which runs between Tiptree and Feering. The site sits outside of, but adjacent to, the defined settlement boundary of Tiptree in the adopted Colchester Local Plan Proposals Map.
- 2.2 The site measures 5.16 hectares and currently accommodates a residential dwelling, some gypsy accommodation, residential outbuildings and disused scrub land. There is quite substantial tree and hedgerow planting along the majority of the site boundaries.

- 2.3 To the west, the site meets Tower Business Park, a site designated as an Employment Zone in the existing Colchester Local Plan. To the north, on the opposite site of Kelvedon Road there are some additional detached dwellings. To the south east, the site immediately abuts development currently being constructed, which is accessed from Grange Road. To the east the site neighbours a residential dwelling and a builders yard.
- In general, the site falls within an area comprising residential and small business uses in the majority in respect of its proximity to the village centre and transports connections.
- 2.5 The existing uses on the site are currently accessed from Kelvedon Road.
- 2.6 The site is within Flood Zone 1 (Gov.uk; Flood Maps for Planning; January 2019). The site is at a low risk of fluvial or tidal flooding and in accordance with the Technical Guidance that accompanies the NPPF, it is therefore suitable for all types of development from a flood risk perspective.
- 2.7 The site is not within any areas designated for their ecological or conservation importance. There are no listed buildings nearby.
- 2.8 The site is not currently in use as agricultural land.
- 2.9 The site is less than 200 metres from Baynard Primary School, and within 500m of other convenience facilities at the junction of the B1023 and B1022 in the centre of the village. Beyond this junction, approximately 1km from the site are a wide range of local services and facilities including two large superstores, a medical centre, a library, a bank, café's, a community centre and other local businesses.
- 2.10 Bus stops immediately outside of the site, on Kelvedon Road, serve services that run regularly between Witham and Tollesbury, and therefore provide connections to London Liverpool Street by train from Witham. Other school services also provide access to Colchester. Other bus stops within walking distance of the site provide other regular bus services to Colchester
- 2.11 Tiptree is less than 10 miles from the main town of Colchester which offers extensive regional-scale services facilities, including retail, tourism and higher education establishments.

2.12 Further detail on public transport provision can be found in the accompanying Transport Assessment prepared by Journey Transport Planning.

Proposal:

- 2.13 The application is for the development of 150 residential dwellings, following the demolition of existing buildings on the existing residential landholding. It is proposed for the development to also be supported by the construction of a roundabout on Kelvedon Road, to not only manage vehicles entering and leaving the site, but also support future ambitions for the local community in terms of providing an alternative road route through from Grange Road to the B1033 (Kelvedon Road), and potentially on to the B1022 (Colchester Road) in the future.
- 2.14 The full planning application comprises of the following proposals:
 - Demolition of Tower End and Ponys Farm residential dwellings with associated outbuildings
 - Redevelopment of the site to provide 150 dwellings
 - Housing mix to provide 1, 2, 3 and 4 bedroom dwellings
 - 30% affordable housing
 - Mix of detached, semi-detached and terraced houses, and apartments
 - Predominantly 2-storey accommodation with apartment blocks of 3 storey
 - Provision of approximately 10% public open space across the site
 - Amendment and upgrade of existing site accesses to provide one point of access
 - Provision of buffer planting to neighbouring dwellings
 - On-plot parking for all units and apartments in accordance with local policy requirements, with garaging and visitor parking
 - Improved active site frontage along Kelvedon Road
- 2.15 The proposals include at least 50sqm of private garden space for every house and there will be approximately 0.6ha of open space within the development, located centrally within the site.
- 2.16 Details of the design are further set out in the accompanying Design and Access Statement prepared by Patrick Stroud Designs Ltd.

Site Context

- 2.17 The scheme is easily accessible to Turner and Partners GP Surgery along Church Road and the Tiptree Dental Surgery, each are located 0.9 miles from the site. There are a further 7 GP practices within a 5-mile radius of the site. Colchester General Hospital is the closest hospital, located less than 10 miles away from the site. Further information on these facilities is provided in Section 4 of this assessment.
- 2.18 Baynards Primary School is located less than a mile from the site (circa 150m in a straight line), with a further 4 primary schools all within a mile. There is also a secondary school, Thurstable School Sports College and Sixth Form, less than 0.5 miles away. As the schools are within reasonable distance from the site; walking and cycling will be encouraged. There are also four pre-school/nurseries all within a mile of the site application site, all of which are considered to also be in walking distance.
- 2.19 According to the National Travel Survey (2017), the average distance to a primary school is 1.6 miles, Baynards Primary School, Milldene Primary School, St Luke's Church of England Controlled Primary School, Messing Primary School and Tiptree Heath Primary School all fall inside this distance. The National Travel Survey (2017) provides a clear connection between distance to educational facilities and likelihood of walking to facilities (Page 21). Given that the distance to the schools is below the national average, it is considered that pupils from the development are more likely to walk to school, and the corresponding health benefits that this could bring should therefore be acknowledged.
- 2.20 There is existing designated open space located approximately less than 500m from the site. The proposal also looks to provide 0.6ha of open space, the majority to be centrally situated in the site which will accommodate planting across, including high quality trees as part of the proposals, which are detailed within the landscaping of the scheme. The open space will also include play area.
- 2.21 There is a Public Right of Way (PROW) located within 100m of the site from Kelvedon Road. This PROW is defined as a Public Footpath and runs between the woodland area and Tower Business Park to the west of the site.

2.22 A bus stop is located immediately outside the site along Kelvedon Road. This bus stop is served by the 91 service between Tollesbury and Witham and also the 506 service between Colchester and Heybridge.

3.0 Policy Context

Local Policy

<u>Colchester Borough Council Adopted Local Plan – Development Management Policies and Core Strategy</u>

- 3.1 The Colchester Borough Council adopted Local Plan consists of the Development Management Policies (adopted 2010, amended 2014) and the Core Strategy (adopted 2008, amended 2014), the Site Allocations DPD (adopted 2010) and Proposals Map (Adopted 2010).
- 3.2 Development Management Policy DP2 states that a HIA is required for all residential development in excess of 50 units. Furthermore, it states that all development should be designed to help promote healthy lifestyles and avoid causing adverse impacts on public health.
- 3.3 Policy DP2 states that the purpose of a HIA is to identify the potential health consequences of a proposal on a given population, maximise the positive health benefits and minimise potential adverse effects on health and inequalities. Furthermore, Policy DP2 states that a HIA must consider a proposal's environmental impact upon health, support for healthy activities such as walking and cycling, and impact upon existing health services and facilities.

Colchester Borough Council Emerging Local Plan (2017-2033)

3.4 Colchester Borough Council are currently proceeding with their emerging Local Plan, in line with national requirements. The emerging Local Plan is split into two sections. Section 1 concerns the North Essex Garden Communities – Braintree, Colchester and Tendring. Section 1 of the emerging Local Plan has been submitted to the Planning Inspector, however examination has been suspended following the Inspector's comments on soundness of evidence base regarding the North Essex Garden

Communities. The Inspector's post-hearing letter invited the North Essex Authorities (NEAs) to consider 3 options for taking Section 1 forward. All three authorities have confirmed that they wish to proceed with an alternative Option 2 which includes the NEAs carrying out necessary further work on the evidence base and Sustainability Appraisal and bringing forward any resulting revised strategic proposals, before the commencement of the Section 2 Examinations. In order for this further work to be carried out, the Section 1 Examination would be suspended. The Inspector has responded to the NEAs alternative option and has highlighted some concerns that he would like clarification on. Once these points have been resolved, the Inspector will be in the position to set the examination suspension period, subject to review.

- 3.5 Although the emerging Local Plan is not yet formally adopted, it is in its later stages of preparation and will therefore hold some weight in decision-making in the Borough.
- 3.6 Policy DM1 of the Publication Draft Local Plan states that Health Impact Assessments will be required for all residential developments in excess of 100 units. Policy DM1 states that the purpose of a HIA will be to identify the potential health consequences of a proposal on a given population, maximise the positive health benefits and minimise potential adverse effects on health and inequalities. Policy DM1 states that any HIA must be prepared in accordance with up to date advice and best practice for such assessments.
- 3.7 Policy DM1 states that all development should be designed to promote healthy lifestyles and avoid causing adverse impacts on public health through:
 - i) Ensuring a good access to health facilities and services;
 - ii) Providing a healthy living environment where healthy lifestyles can be promoted including green space and creating attractive opportunities for activities including walking and cycling; and
 - iii) Provide appropriate mitigation to avoid harmful emissions.

Other relevant strategies / policies

Joint Health & Wellbeing Strategy for Essex (2013)

3.8 The Essex Health and Wellbeing Board has been brought together to improve health and wellbeing through the development and implementation of a Health and Wellbeing Strategy for the Community of Essex. The strategy pursues the following vision:

"By 2018 residents and local communities in Essex will have greater choice, control and responsibility for health and wellbeing services. Life expectancy overall will have increased and the inequalities within and between our communities will have reduced. Every child and adult will be given more opportunities to enjoy better health and wellbeing".

NHS – Five Year Forward Review (October 2014) and Next steps on the NHS Five Year Forward View (2017)

- 3.9 This document recognises the need for healthcare to adapt to take advantage of the opportunity that science and technology offers, and to evolve to meet new challenges, and in light of this sets out the Forward View of the NHS.
- 3.10 Although specific to the NHS, the report provides a good overview of the national healthcare status and areas for improvement. Significantly, the report concludes that the future health of millions of children, the sustainability of the NHS and the economic prosperity of Britain all now depend on a radical upgrade in prevention and public health.
- 3.11 The report emphasises the importance of local democratic leadership on public health, and the impact that a statutory responsibility that local authorities have to improve the health of their people can have. It is recognised that local authorities now have a responsibility for prevention through many broad based public health programmes whilst the NHS has a distinct role in secondary prevention.
- 3.12 This increased reliance on local authorities to support national health improvements is evident and emphasises the need for Council's to encourage new developments to provide health benefits to both new and existing communities.

4.0 Healthy Lifestyles – Design Considerations

- 4.1 As described in Policy DP1 of the adopted Development Management Policies (2010), proposals should provide a design and layout that takes into accound the potential users of the site, including giving priority to pedestrian, cycling and public transport access.
- 4.2 The proposals at Tiptree are within a sustainable location, from which travel by alternative means to the private car will be encouraged. Further to this, there is a footpath the west of the site which provides a public right of way towards Tiptree centre, or to a network of PROWs towards Kelvedon. The site is located close to the centre which provides a number of services and facilies, such as local retail inlcuding to 2 supermarket supertstores, pubs, restaurants, churches and a community centre.
- 4.3 The application proposes 0.6 hectares of public open space, it is also proposed that a play area can be including as part of the scheme, as well landscaping enhancements including planting.

5.0 Assessment of Healthcare Services

5.1 Table 1 below shows all of the NHS registered doctor's surgeries within a 5 mile radius of the site.

Table 1 – NHS Registered Doctors Surgeries within a 5 mile radius of the site.

Practice Name and	Distance from Site	No. of Patients on	Accepting New
Post Code		Role	Patients as at 4 th
			February 2019.
Turner & Partners	0.9 Miles	11494	Yes
CO5 0HB			
Brimpton House	2.0 Miles	2338	Yes
CO5 9AE			
Kelvedon and	2.0 Miles	5621	Yes
Feering Health			
Centre			
CO5 9AG			
Kelvedon Road	3.7 Miles	16193	Yes
Surgery			
CM8 3NA			
Witham Health	4.3 Miles	5877	Yes
Centre			
CM8 2UX			
Coggeshall Surgery	4.3 Miles	5927	Yes
CO6 1UH			
Collingwood Road	4.5 Miles	2120	Yes
Surgery			
CM8 2DZ			
Dr Hopcroft &	4.6 Miles	16193	Yes
Partners			

Additional Provision

- 5.2 Colchester General Hospital is located 9.3 miles from the site. Colchester General Hospital is a NHS funded hospital and offers a number of services including an Accident and Emergency Service.
- 5.3 Table 2 below shows all of the NHS registered dental surgeries within a 5 mile radius of the site.

Table 2 – NHS registered dental practices within a 5 mile radius of the site

Practice Name and Post Code	Distance from Site	No. of Dentists	Accepting New Adult NHS Patients
Tiptree Dental	0.9 Miles	4	Yes
Surgery			
CO5 0HB			
Mid Essex Dental	2.0 Miles	3	Yes
Care			
CO5 9JT			
Mid Essex	4.3 Miles	n/a	n/a
Community Dental			
Service			
CM8 2UX			
Cairn Brae Dental	4.4 Miles	2	Yes
Practice			
CM8 2AB			
Witham Dental	4.4 Miles	5	n/a
Health Centre			
CM8 2AB			
Bupa Dental Care,	4.4 Miles	5	Yes
Witham			
CM8 1BQ			

4.6 Miles	2	Yes
4.6 Miles	4	n/a
4.8 Miles	1	n/a
	4.6 Miles	4.6 Miles 4

6.0 Evaluation

- 6.1 The consideration of the proposed development and its impact on the health of future residents can be seperated into two key considerations: whether the proposed development will encourage healthy lifestyles; and whether future residents of the development will have adequate access to healthecare facilities.
- 6.2 In respect of encouraging healthier lifestyles, a key concern is the degree to which the proposed development will reduce reliance on private care use. The application site is within an accessaibile location, within walking distance to a number of local amenity, services and facilities provided within Tiptree such as Nurseries, Primary Schools, the Secondary School, GPs and Dental Surgeries. There will be opportunities for future residents to access facilities and services on foot.
- 6.3 The proposed development incorporates measures to encoruage cycling, including the provision of cycle parking via internal parking for apartments blocks and on plot storage space for houses.
- 6.4 The application site is located within 50m of a bus stop which provides connections to other settelments such as Colchester and Witham. Colchester, in particular provides a range of public transports services including a railway station, which provides frequent service to Witham, Chelmsford, Stratford and London Liverpool Street. The provision of public transport services will reduce car dependancy for future residents of the site.
- 6.5 In terms of encouraging healthy, active lifestyles, the proposal will provide 0.6 hectares of open space and is located nearby with easy access to the city centre. Furthermore it is proposed that the open space could incorporate a local play area. The site is located close by to a public footpath which has connections to a wider network of Public Right of Ways, which include routes in and out of the village, and further afield to villages such as Feering and Kelvedon.
- 6.6 Other health benfits of the proposals include the providing of modern market and affordable housing. Modern, quality housing can help reduce heath problems associated with poor quality housing, such as limiting exposure to allergens, neurotoxins and other dangers. Failure to ensure the provision of adequate housing can force families to settle for substandard housing that puts residents' health at risk.

- 6.7 In terms of accessibility to healthcare facilities, the most recent data for Tiptree (Census 2011) identifies an average of 2.3 person sper household. The proposal seeks planning permission for 150 housing units. Based on the above data, it is therfore reasonable to expect a population increase of approximately 345 people from the proposed development.
- 6.8 Tiptree is a village with a good range of services and facilities. There are eight NHS GP surgeries within a 5 mile radius of the site. According to the NHS website, these surgeries are currently accepting new adult NHS patients as at 4th February 2019. In addition there is also 9 dental surgeries within 5 miles of the application site.

7.0 Summary and Conclusions

- 7.1 This HIA has considered the health issues related to the proposals and the impact of the proposed development at land south of Kelvedon Road.
- 7.2 The location and design of the proposal would result in a development which can contribute towards health objectives and provide high quality homes for future occupiers. The design and location of the proposal also encourages walking within the local area and active lifestyles.
- 7.3 The assessment of existing healthcare provision has reviewed the existing provision of Doctor's surgeries and Dental Surgeries within a 5 mile radius of the site. Those facilities are within a reasonably accessible distance for future occupiers of the development particularly having regard to the availability of public transport services within the vicinity of the site.
- 7.4 A number of GP surgeries are currently accepting new adult NHS patients. It is considered that there is an acceptable capacity across the numerous practices listed above to accommodate the needs of the increased population.
- 7.5 Likewise, there are also a number of dental surgeries also accept new patients within a 5 mile radius of the application site.
- 7.5 Colchester General Hospital is of regional significance and is also available to serve future residents.
- 7.6 It is considered that the proposal would result in a number of health benefits; and would not have any significant negative impacts upon any recognised health determinants, the provision of existing health services within the local area, or result in the under-provision of services for the existing and proposed population of Tiptree. This ensures compliance with Colchester Borough Council's adopted Development Management Policy DP2 and Colchester Borough Council's emerging Local Plan Policy DM1, which both seek to ensure the proposals do not give rise to significant health impacts.

Appendix A – Assessment Matrix

Appendix A: Screening Assessment

Determinant of Health		Po	tential			
Determinant of Health	Positive	No Impact	Negative	Not Sure	Comments	Recommendations
Environmental Conditions						
External air quality, air pollution		✓			N/A	N/A.
Air quality in buildings		✓			N/A	N/A
Water quality and pollution		*			Refer to Flood Risk Assessment and SuDs Assessment	Drainage strategy to be carried out in accordance with recommendations.
Clean City and recycling		√			Refer to Design and Access Statement	Each dwelling to be provided with refuse storage and collection arrangements
The Built Environment & open space		√			Refer to Design and Access Statement and Landscape Plan	Development to be carried out in accordance with approved plans.
Energy consumption		√			Refer to Design and Access Statement	Dwellings to incorporate energy saving measures
Public transport infrastructure		*			Refer to Transport Assessment	Proposal will not have a significant or material impact on the operation of the local highway network
Noise		✓			N/A	N/A
Soil quality and pollution		√			Refer to Geo- Environmental Assessment.	Site suitable for proposed residential development
Smell/Odour		✓			N/A	N/A
Vibration		✓			N/A	N/A
Hazards (eg. Radiation)		✓			N/A	N/A
Natural Habitats		√			Refer to Preliminary Ecological Assessment.	Implement mitigation measures as per the Preliminary Ecological Assessment.
Biodiversity		✓			Refer to Preliminary Ecological Appraisal.	Implement mitigation measures as per the Preliminary Ecological Assessment.
Green spaces and parks		✓			Refer to Design and Access Statement	N/A
Civic areas		✓ ✓			N/A Refer to Design and	N/A
Use/consumption of natural resources					Refer to Design and Access Statement	N/A
Solid waste management		✓			N/A	N/A
General Socio-economic and cultural conditions						
Poverty	√				Proposed additional housing development will support the local economy	N/A
Community safety	√				Refer to Design and Access Statement.	Development to be carried out in accordance with submitted plans.
Housing conditions	√				Refer to Design and Access Statement	Development to be carried out in

Potential						
Determinant of Health	Positive	No Impact	Negative	Not Sure	Comments	Recommendations
		Шрасі		Sule		accordance with submitted plans.
Level of crime and disorder		√			Refer to Design and Access Statement	Development to be carried out in accordance with submitted plans.
Fear of crime and disorder		~			Refer to Design and Access Statement	Development to be carried out in accordance with submitted plans.
Level of anti-social behaviour		✓			N/A	N/A
Fear of anti-social behaviour		√			N/A	N/A
Discrimination 5		✓ ✓			N/A	N/A
Fear of discrimination Creation of wealth	✓	· ·			N/A Creation of homes	N/A N/A
Creation of wealth	·				and jobs in the construction sector, indirect jobs in supply chain, increased expenditure in local area, provision of non-residential floorspace	IVA
Distribution of wealth	√				Creation of homes and jobs in the construction sector, indirect jobs in supply chain, increased expenditure in local area, provision of non-residential floorspace	N/A
Retention of wealth in local area/economy	~				Creation of homes and jobs in the construction sector, indirect jobs in supply chain, increased expenditure in local area, provision of non- residential floorspace	N/A
Business activity	·				Creation of homes and jobs in the construction sector, indirect jobs in supply chain, increased expenditure in local area, provision of non- residential floorspace	N/A
Job creation	√				Creation of jobs in the construction sector, indirect jobs in supply chain, provision of non-residential floorspace	N/A
Employment	V				Creation of jobs in the construction sector, indirect jobs in supply chain, increased expenditure in local area, provision of non-residential floorspace	N/A
Education		√			Developer contributions will assist with impacts of growth on school place provision	Developer contributions will assist with impacts of growth on school place provision
Training and skills development		✓ ✓			N/A The construction of	N/A
Work environment		'			The construction of the development will	Compliance with HSE requirements

Potential						
Determinant of Health	Positive	No Impact	Negative	Not Sure	Comments	Recommendations
		ППрасс		Sule	be required to meet HSE standards for the working environment	
Leisure	√				Areas of open space and links to leisure facilities through the Cycle and Pedestrian networks.	Development to be carried out in accordance with submitted plans.
Accidents		V			The construction of the development will be required to meet HSE standards for the working environment. TA confirms adequacy of vehicular access to comply with standards.	Compliance with HSE requirements. Development will be carried out in accordance with ECC standards.
Agriculture & food production		√			Site currently in agricultural use.	N/A
Traffic congestion		√			Refer to Transport Assessment.	
Social and Community Network						
Social exclusion	√				An accessible development of market housing, accessible to the public and will result in the enhancement of the public realm	Carry out development in accordance with the submitted plans
Community development	V				An accessible development of market housing, accessible to the public and will result in the enhancement of the public realm	N/A
Health services		✓			Developer contributions will assist with impacts on health services	Developer contributions will assist with impacts on health services
Social services		✓			N/A	N/A
Social contact		✓			N/A	N/A
Social support		✓			N/A	N/A
Neighbourlessness		✓			N/A N/A	N/A N/A
Participation in the community Membership of community groups		V ✓			N/A N/A	N/A N/A
Reputation of community/area		· ·			N/A	N/A
Participation in public affairs		✓			N/A	N/A
Public safety measures		✓			N/A	N/A
Lifestyle		✓			N/A	N/A
Diet		✓			N/A	N/A
Physical activity	√				Refer to Transport Assessment and Design and Access Statement. Proposal will encourage walking as a means of accessing services.	N/A
Smoking		✓			N/A	N/A
Alcohol		✓			N/A	N/A
Sexual behaviour		✓			N/A	N/A
Drugs		✓			N/A	N/A