sanderson associates (consulting engineers) ltd

Highways | Traffic | Transportation | Water

Sanderson Associates (Consulting Engineers) Ltd, Sanderson House
Jubilee Way, Grange Moor, Huddersfield, West Yorkshire WF4 4TD
T 01924 844080
F 01924 844081
mail@sandersonassociates.co.uk
www.sandersonassociates.co.uk

Prepared on behalf of

Dathan Tool & Gauge Co Limited

Proposed Residential Development
Land of Helme Lane, Meltham

Travel Plan Statement

VAT No. GB 873219218
Company No. 3235830
Registered Office
Sanderson House, Jubilee Way
Grange Moor WF4 4TD

Acknowledgements:

Imagery from ©2019 Google have been used to generate figures in this report.

National Geographic Society Interactive MapMaker has been used to generate figures in this report.

An extract from Kirklees Council's PROW Map has been used in this report.

An extract of West Yorkshire Interactive Cycle Map has been used in this report.

Disclaimer

The methodology adopted and the sources of information used by Sanderson Associates (Consulting Engineers) Ltd in providing its services are outlined within this Report.

Any information provided by third parties and referred to herein has not been checked or verified by Sanderson Associates (Consulting Engineers) Ltd, unless otherwise expressly stated within this report.

This report was checked and approved on the 18th February 2020 and the Report is therefore valid on this date, circumstances, regulations and professional standards do change which could subsequently affect the validity of this Report.

Copyright

All intellectual property rights in or arising out of or in connection with this report are owned by Sanderson Associates (Consulting Engineers) Ltd. The report has been prepared for Dathan Tool & Gauge Co Limited (the 'Client') who has a licence to copy and use this report only for the purposes for which it was provided. The licence to use and copy this report is subject to other terms and conditions agreed between Sanderson Associates (Consulting Engineers) Ltd and the Client.

This document cannot be assigned or transferred to any third party and no third party may rely upon this document without the express written agreement of both Sanderson Associates (Consulting Engineers) Ltd and the Client.

Report Ref:	11140/002/02		February 2020
Author:	Carly Hoyle		
Checked & Approved:	Karen Smith MIHE	**Date:**	18th February 2020

Contents

Page No

1 Introduction..... 5

2 The Development..... 6

3 Accessibility by Sustainable Modes..... 6

4 Summary 21

Appendices

APPENDIX A

Example Travel Information Pack

1 Introduction

1.1 Sanderson Associates (Consulting Engineers) Ltd has been appointed by Dathan Tool & Gauge Co Limited to prepare a Travel Plan Statement for a proposed residential development on land off Helme Lane, Meltham. The location and approximate extent of the site is shown in the figure below.

Figure 1.1 – Location and approximate extent of site (Imagery ©2019 Google)

1.2 The development proposals consist of 21 residential units with access from Helme Lane via two sites that gained planning permission for a residential development in October 2014 (ref 2014/90722) and April 2019 (ref 2018/92937)

1.3 Travel Plans exist to influence the behaviour towards more sustainable methods of travel using a mixture of increased transportation opportunity, providing information, persuasion and incentives.

2 The Development

2.1 The proposals comprise the development of 21 dwellings within two parcels of land that are currently fields.

2.2 Access is to be taken via adjacent sites that have planning approval for residential development (refs 2014/90722 & 2018/92937).

2.3 The schedule of accommodation is as follows:

Accommodation type	Number
4-bed	9
3-bed	12
Total	21

Table 2.3 – Schedule of accommodation

2.4 An 18m long 1.5m wide link that, although unsegregated, can be used by pedestrians and cycles is to be provided between the southern parcel and Mean Lane. This will benefit residents of the approved developments as well as this development by providing a shorter route to Meltham centre. In addition, it will provide a connection to Cycle Route 68 for southbound travel and the public footpath that runs along Mean Lane.

3 Accessibility by Sustainable Modes

3.1 Introduction

3.1.1 This Travel Plan Statement includes measures which relate to the following categories:

- Walking
- Cycling
- Public Passenger Transport, bus and rail
- Use of Motorcycles/Mopeds
- Car sharing
- Reducing the need to travel
- Other measures

3.1.2 A key aspect of delivering successful change is the provision of adequate and up to date information. If private car drivers are to be encouraged to either change their mode of travel or to participate in a car sharing scheme it is obvious that they need to be aware of the availability of these alternatives and updated on any changes or improvements.

3.1.3 Information on the available sustainable modes of travel will be provided to prospective residents within the sales particulars in the form of a Travel Information Pack, an example of which is included at **Appendix A**.

3.2 Accessibility on Foot

3.2.1 Walking is the most common form of travel in Britain and has the greatest potential to replace short car trips, particularly those under 2km.

3.2.2 It is important to consider the routes that would be taken to get to these locations as well as the distance. Department for Transport guidance 'Building Sustainable Transport into New Developments' (2008) gives the following advice.

"Walkable neighbourhoods are typically characterised as having a range of facilities within 10 minutes walking distance (around 800m). However, the propensity to walk or cycle is not only influenced by distance but also the quality of the experience; people may be willing to walk or cycle further where their surroundings are more attractive, safe and stimulating."

3.2.3 Figure 5.2.3 identifies 800m and 2km walking radii from the site. It is noted that walking routes will not follow the simple radius of this plan and the plan is provided as an indication of where destinations lie and the general extent to which the local area can be accessed on foot.

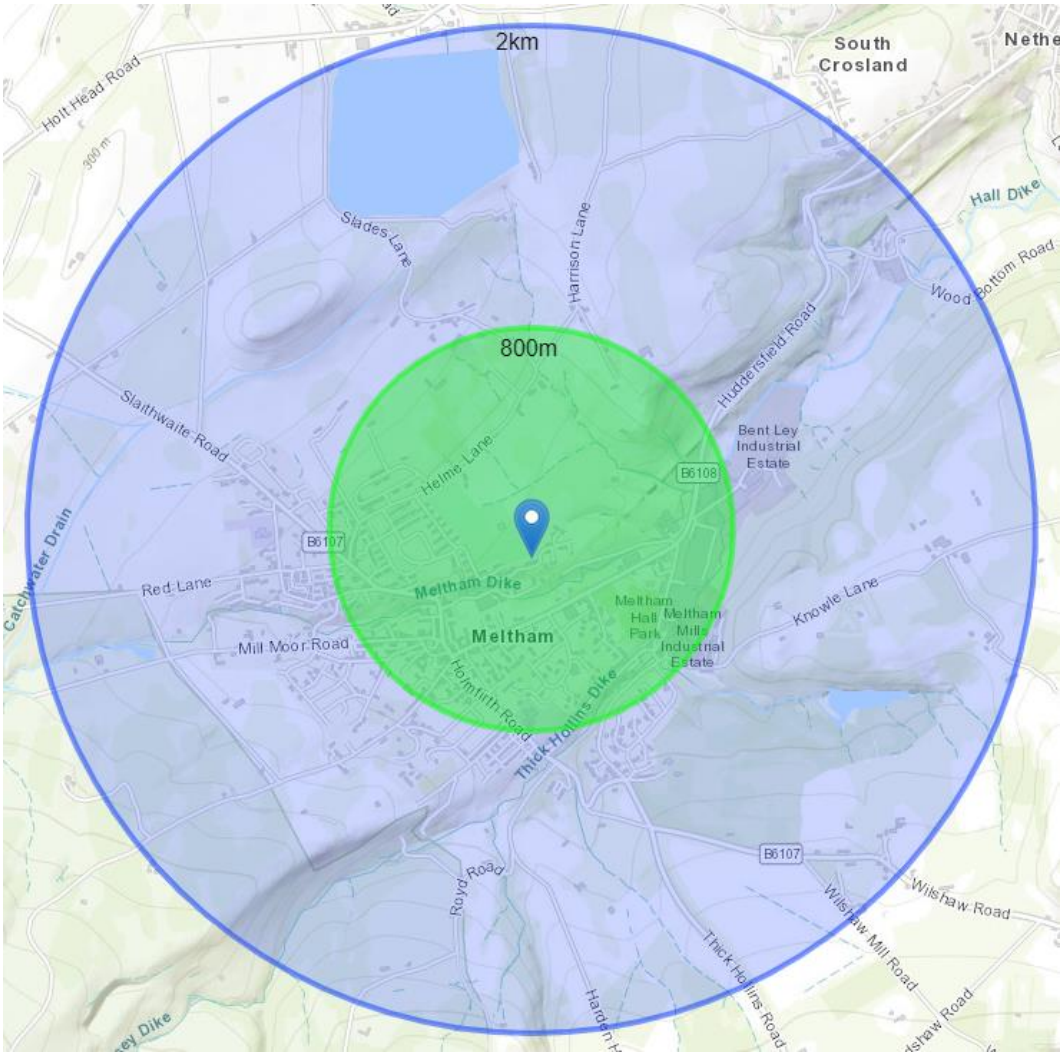

Figure 3.2.3 - Indicative walking radii (National Geographic Society MapMaker)

3.2.4 However, it is also important to consider the quality of the pedestrian infrastructure when determining accessibility. To this end a street lit footways are present on both flanks of Helme Lane.

3.2.5 Approximately 100m east of the access point, a central island with dropped kerbs is provided to aid pedestrian movements to the bus stop and lit footpath to Helme School on the northern flank of the road. In the direction of Meltham centre, dropped kerbs are provided to aid pedestrian movements.

3.2.6 As shown in figure 3.2.6 there are a number of public rights of way (PROW) in the vicinity of the site. This includes the section of Mean Lane that runs to the south of the southern parcel of land to which a link is provided from the site. From Mean Lane a stepped PROW provides a shortcut to The Cobbles and Morrison's supermarket. From the southern side of Morrison's car park stepped access is available to Near Lane which leads to Huddersfield Road.

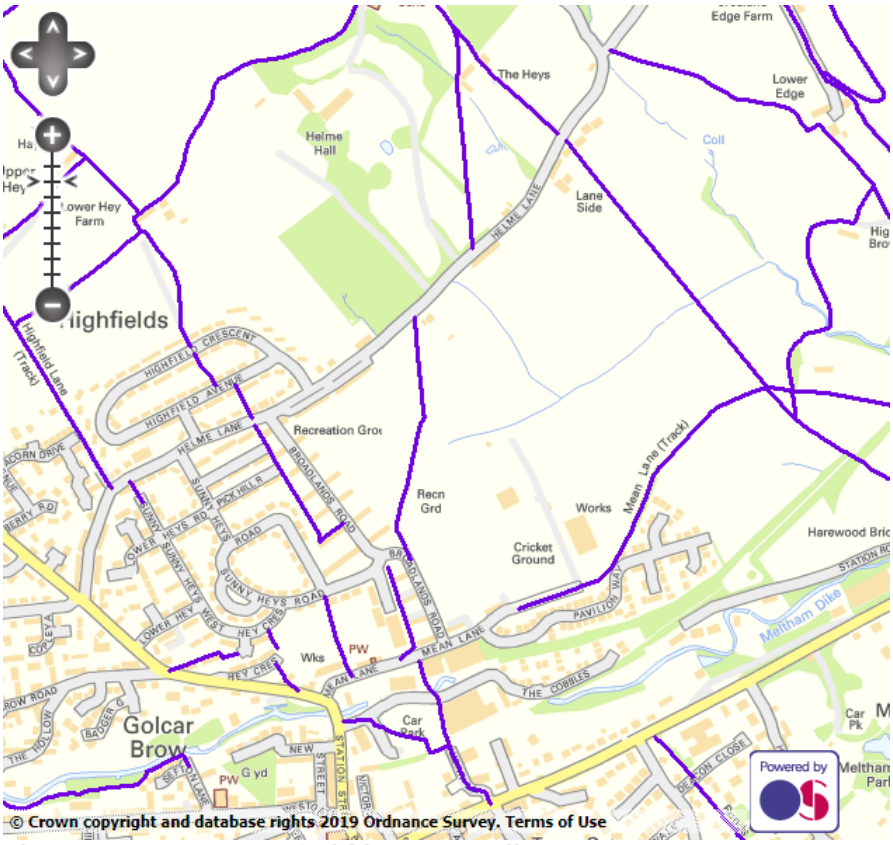

Figure 3.2.6 – Extract of Kirklees Council PROW map

3.2.7 Destinations within 800m walking distance of the site include those listed below with distances given from the centre of the northern (N) and southern (S) parcels of land:

Destination	Distance from N parcel (m)	Distance from S parcel (m)
Meltham Sports and Community Centre	420	275
Meltham Community Pre-School	515	370
Bus stops on Mean Lane	585	445
Meltham Group Practice & Rowlands Pharmacy	620	480
Morrison's supermarket	635	490
Bus stop at Morrison's supermarket	640	495
Bus stops on Helme Lane	595-605	690-700
Bus stops on Station Street	760-810	615-665
Meltham Dental Care	790	655
Allegro Opticians	835	690
Post Office	845	700
Co-op food store	885	735
Go Local Extra convenience store	795	885

Table 3.2.7 – Destinations within 800m walking distance

3.2.8 The following destinations are located within 2km walking distance of the site:

Destination	Distance from N parcel (m)	Distance from S parcel (m)
Meltham centre inc cafes, restaurants, public houses, takeaways, hair dressers	975	820
Valli Opticians	965	825
Butterflies Day Nursery	1050	925
Helme C of E Academy	1005	1150
Meltham C of E Primary School	1300	1150
Meltham Moor Primary School	1500	1350

Table 3.2.8 – Destinations within 2km walking distance

Measures

3.2.9 Information regarding walking is available from various websites including www.nhs.uk/live-well/exercise/walking-for-health/, www.walkingforhealth.org.uk, www.kirklees.gov.uk/beta/food-exercise-and-sport/walking.aspx and a free walking route planner is available at www.walkit.com.

3.2.10 Links to information will also be included within the Travel Information Pack provided to prospective residents.

3.3 Accessibility by Cycle

3.3.1 Guidance suggests that cycling has the potential to substitute for short car trips, particularly those under 5km and to form part of a longer journey by public transport. However, 'Building Sustainable Transport into New Developments' (2008) identifies that "people may be willing to walk or cycle further where their surroundings are more attractive, safe and stimulating". Furthermore, the National Travel Survey identifies longer cycle journeys than 5km with an average distance of 5.3km and an 85th percentile distance of 7.4km.

3.3.2 Figure 3.3.2, overleaf, indicates destinations that lie within 5km and 7.5km radii of the application site. Again it is noted that cycling will not follow the simple radius shown on this plan and it is provided to give an indication of where destinations lie and the general extent to which the site is accessible by cycle.

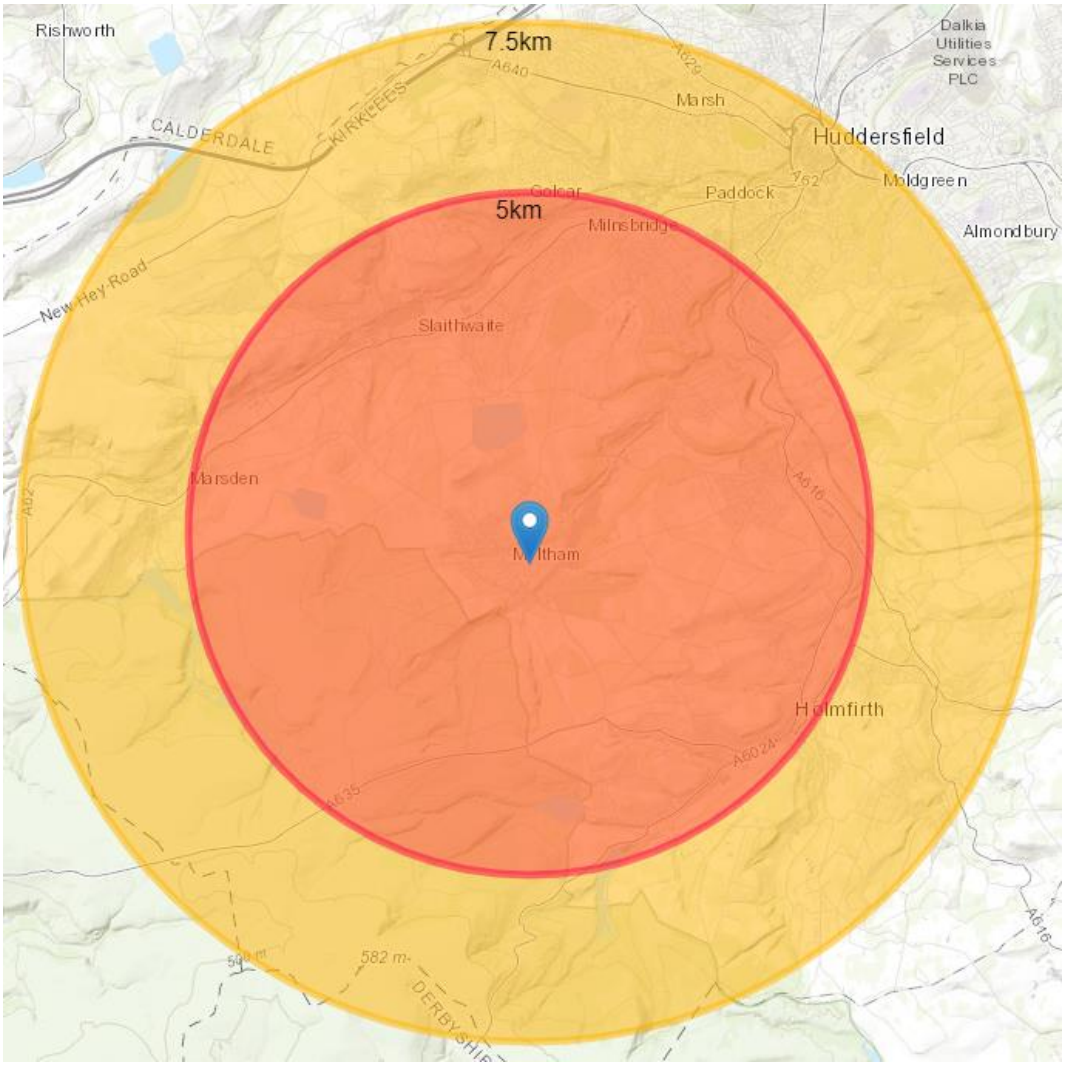

Figure 3.3.2 - Indicative cycling radii (National Geographic Society MapMaker)

3.3.3 Figure 3.3.2 indicates that various areas that provide amenities and employment possibilities are located within cycling distance of the site. However, as with walking, it is considered that the quality of the available cycle infrastructure is an important factor when it comes to accessibility. The extract of West Yorkshire Interactive Cycle Map overleaf shows the cycle routes in and around Meltham. As can be seen, there are a number of available signed and advisory routes in the area including National Cycle Network Route 68, the Pennine Cycleway, which passes along Helme Lane and Mean Lane.

Figure 3.3.3 – Extract of West Yorkshire Interactive Cycle Map

Measures

3.3.4 Information on cycling including free journey planners can be found at fourpointmapping.sustrans.org.uk/westyorkshirecyclemap/westyorkshire.html, www.kirklees.gov.uk/beta/food-exercise-and-sport/cycling.aspx, www.yorkshiretravel.net/lts/#/travelInfo, www.cyclestreets.net and www.sustrans.org.uk

3.3.5 Links to information will also be included within the Travel Information Pack provided to prospective residents.

3.3.6 In addition to the above, a free app can also be downloaded for use with all smart devices is entitled 'The Complete National Cycle Network'. The app provides detailed mapping and route locations and operates in conjunction with the handsets GPS locator.

3.4 Accessibility by Bus

3.4.1 The closest bus stops to the site are located on Mean Lane, at Morrison's supermarket, on Helme Lane and Station Street at distances varying from approximately 445-810m from the site. The stops are indicated in figure 3.4.1.

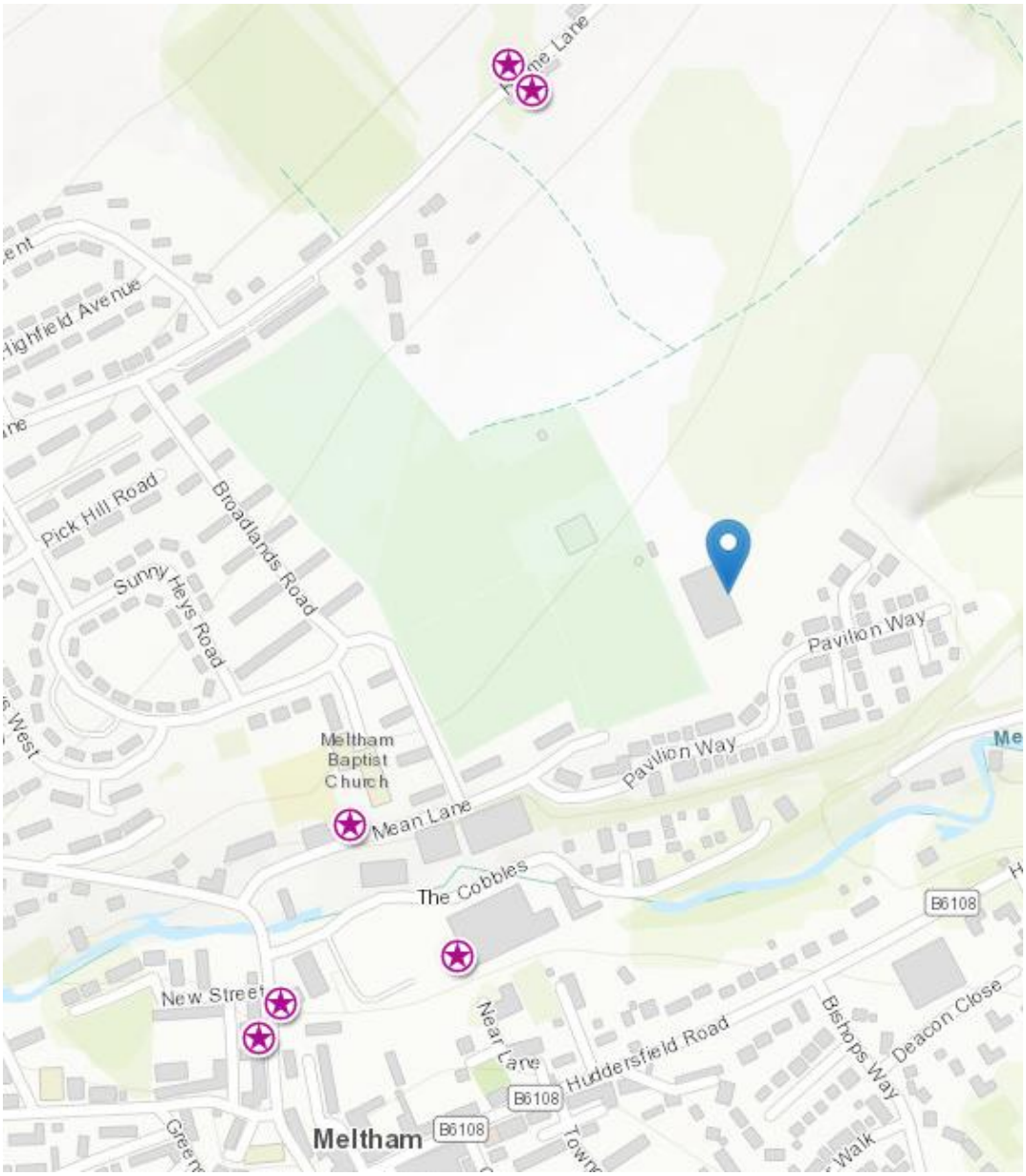

Figure 3.4.1 – Location of bus stops (National Geographic Society MapMaker)

3.4.2 Details of the stops and the services they provide are given below with distances measured from a central point in each parcel of land.

Mean Lane

Stop reference:	45029093
Distance from site:	Approx 445m (N parcel) & 585m (S parcel)
Facilities:	Pole with flag and timetable information
Services:	321, 324, 933

Morrison's supermarket

Stop reference:	45023851
Distance from site:	Approx 640m (N parcel) & 495m (S parcel)
Facilities:	Pole with flag and timetable information
Services:	335, 388, 389, 911, 933, 937

Helme Lane

Stop reference:	45050792
Distance from site:	Approx 595m (N parcel) & 690m (S parcel)
Facilities:	Unmarked
Services:	388, 389

Stop reference:	45019277
Distance from site:	Approx 605m (N parcel) & 700m (S parcel)
Facilities:	Pole with flag and timetable information
Services:	388, 389

Station Street

Stop reference:	45019232
Distance from site:	Approx 760m (N parcel) & 615m (S parcel)
Facilities:	Pole with flag and timetable information, road markings within layby
Services:	321, 324, 335, 388, 389, 933, 937

Stop reference:	45023852
Distance from site:	Approx 810m (N parcel) & 665m (S parcel)
Facilities:	Pole with flag and timetable information, road markings
Services:	321, 324, 335, 388, 389, 933, 937

3.4.3 Details of the services available from these stops are given in table 3.4.3 below:

No	Route	Mon-Sat Daytime	Mon-Sat Evening	Sunday
321	Huddersfield – Meltham	No service	2 late services to Meltham 1 late service to Huddersfield	2 late services to Meltham 2 late services to Huddersfield
324	Huddersfield – Meltham	10 mins	60 mins	30 mins
335	Holmfirth - Slaithwaite	60 mins	No service	No service
388	Huddersfield Royal Infirmary – Meltham	60 mins	No service	No service
389	Meltham – Slaithwaite/ Wilberlee/Blackmoorfoot	1 am service to Slaithwaite/Wilberlee 1 pm service to Blackmoorfoot 1 pm service to Meltham	1 pm service to Blackmoorfoot 1 pm service to Meltham	No service
911	Meltham – Honley Station	60 mins	No service	No service
933	Meltham circular	60 mins	No service	No service
937	Marsden - Honley	1 service AM to Marsden 1 service PM to Honley 2 additional services each way Saturday	No service	No service

Table 3.4.3 - Summary of bus services

3.4.4 These services offer links to Huddersfield bus station and Slaithwaite and Honley rail stations where opportunities for onward travel by public transport are available.

Measures

3.4.5 Information on bus travel including up to date bus timetables and journey planners can be found at www.wymetro.com/buses/ and www.yorkshiretravel.net/lts/#/travelInfo.

3.4.6 In addition, the 'yournextbus' service providing real-time bus information across West Yorkshire is available by text and online. Information can be found at www.wymetro.com/buses/your-next-bus/how-do-i-use-yournextbus/

3.4.7 Links to information will also be included within the Travel Information Pack provided to prospective residents.

3.5 Accessibility by Rail

3.5.1 The closest station to the site is Slaithwaite Train Station located approximately 5.4km from the site. The station provides hourly services on the Huddersfield Line which runs between Huddersfield and Manchester. CCTV-covered, sheltered storage space for 10 bicycles is available.

3.5.2 At a greater distance of approximately 7km is Honley Train Station. The station provides hourly services on the Penistone Line which runs between Huddersfield and Sheffield.

3.5.3 Both of these stations are accessible by bus as noted in section 3.4.

3.5.4 The location of the stations is indicated in figure 3.5.4 below.

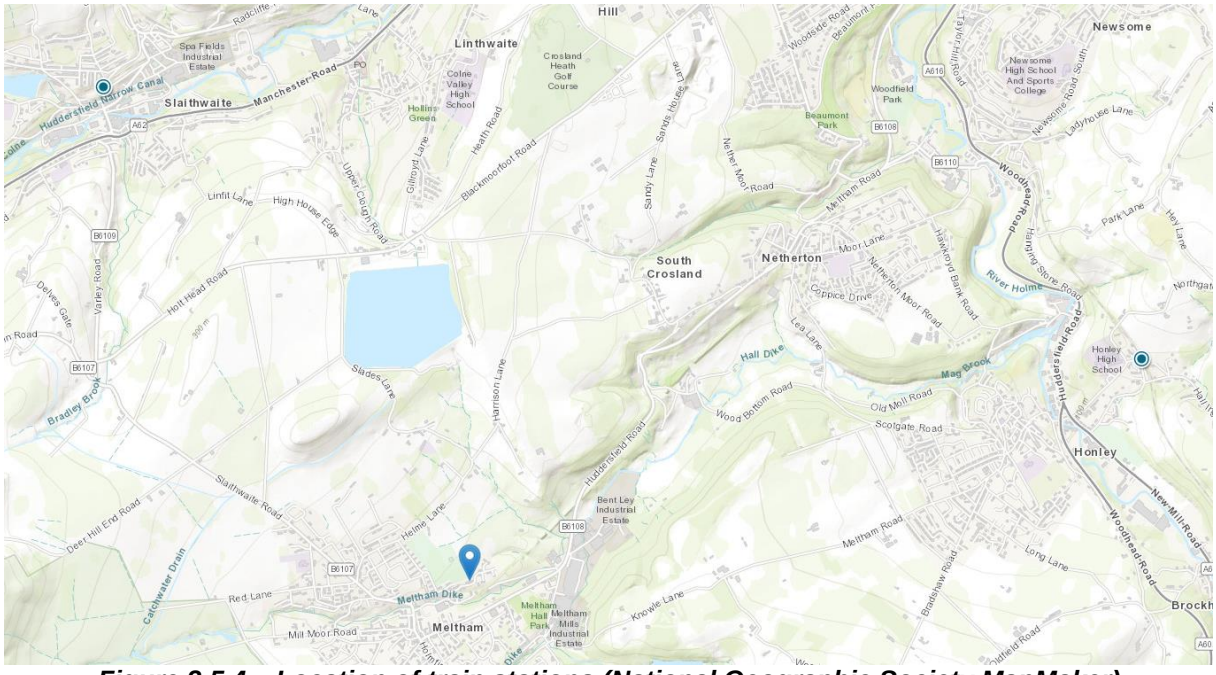

Figure 3.5.4 – Location of train stations (National Geographic Society MapMaker)

Measures

3.5.5 Further information on travel by rail can be found at www.wymetro.com/trains/, www.yorkshiretravel.net and www.nationalrail.co.uk

3.6 Motor Cycling and Mopeds

3.6.1 There are several benefits that may be derived from the use of this form of travel. Motor cycles by their very size create less congestion and are more likely to have less environmental impact than a single occupancy vehicle.

3.6.2 Concern is, however, often raised over the safety of these vehicles and it is therefore important that any promotion of this form of travel includes the need to inform prospective riders of their statutory obligations to proper training by a recognised training organisation or trainer and the correct protective equipment before use of the vehicle.

Measures

3.6.3 Information on travel by tube and rail including up to date timetables and journey planners can be found at www.wymetro.com/trains/, www.nationalrail.co.uk/ and www.traveline.info/.

3.6.4 Links to information will also be included within the Travel Information Pack provided to prospective residents.

3.7 Car Sharing

3.7.1 Car Share schemes:

- Provide a cheap way to get around
- Reduce levels of traffic and congestion
- Reduce CO_2 emissions and pollution
- Reduce parking problems
- Create opportunities for business and the local community to work together
- Create opportunities to meet other people from the local area
- Improve relations with the local community

Measures

3.7.2 Information on a local car share scheme can be found at liftshare.com/uk/community/wy

3.7.3 Links to information will also be included within the Travel Information Pack provided to prospective residents.

3.8 Reducing the Need to Travel

3.8.1 It may be possible for residents to encourage their employers to permit some degree of "home working". This of course will be dependent on the particular circumstances of both the employee and the employer and realistically may not be appropriate in many cases. However if "home working" were possible on only a regular single day of the week this could possibly produce a 20% reduction in single car use for an individual employee.

3.8.2 Each unit will accommodate a phone line which will allow residents to access the internet to carry out online shopping as well as access the aforementioned websites.

3.9 Other Measures

3.9.1 Whilst car travel will be used as a first choice for many residents and visitors it must be acknowledged that the cost of fuel can result in drivers wanting to minimise car travel and share trips. Shared trips in this sense would be to organise vehicle movements so for example daily trips to or from work were combined with trips to local food stores or service outlets.

3.9.2 There are a series of measures that can be used to reduce the carbon footprint of a vehicle and these will be brought to the notice of residents. The Theory Test to be passed by all learner drivers now contains questions on issues which relate to how the driving of a vehicle, its loading and maintenance can affect fuel consumption and hence the environment. Unfortunately, many of the answers to

these questions tend to be forgotten once the test has been passed. It is therefore of value to remind drivers, particularly young drivers, of the advantages that can be gained from these good practices. Examples are:

- Advantages can be gained from simple attention to the pressure of car tyres through to the use of roof racks and regular servicing at the manufacturer's recommended intervals.
- The manner in which a vehicle is driven significantly affects its fuel consumption and drivers need to be aware that bad driving practices such as harsh acceleration or braking can be a major influence.
- The choice of times to drive and careful route planning also affect both the financial running of a vehicle and the basic pleasure of driving. Benefits will be found not only by the users of the vehicles but to the general public by the possible reduction in congestion and overall environmental impact.

3.9.3 All of the above will raise awareness in the part that every car driver can play in reducing congestion, saving energy, improving the local and national environment and contributing towards measures to reduce global warming.

4 Summary

4.1 This Travel Plan Statement sets out a series of measures which will encourage residents and visitors to the site to use sustainable forms of transport.

4.2 It is considered that these measures will help to reduce the reliance on single-person car journeys thereby contributing to an improvement in both the operation of the local highway network and the general environment.

4.3 Dathan Tool & Gauge Co Limited is committed to encouraging positive changes to the modes of transport used in connection with this site.

APPENDIX A

Example Travel Information Pack

EXAMPLE TRAVEL INFORMATION PACK

All residents and visitors to the development are encouraged to use sustainable modes of travel. This document has been produced, in addition to the Travel Plan Statement, to inform all residents and visitors of the facilities surrounding the site.

Walking

Walking has many benefits in relation to general health and well-being as well as reducing congestion and emissions. Further information is available from the following websites:- www.nhs.uk/live-well/exercise/walking-for-health/, www.walkingforhealth.org.uk, www.kirklees.gov.uk/beta/food-exercise-and-sport/walking.aspx and a free walking route planner is available at www.walkit.com.

Street lit footways are present on both flanks of Helme Lane. Approximately 100m east of the access point, a central island with dropped kerbs is provided to aid pedestrian movements to the bus stop and lit footpath to Helme School on the northern flank of the road. In the direction of Meltham centre, dropped kerbs are provided to aid pedestrian movements.

There are a number of public rights of way (PROW) in the vicinity of the site. This includes the section of Mean Lane that runs to the south of the southern parcel of land to which a link is provided from the site. From Mean Lane a stepped PROW provides a shortcut to The Cobbles and Morrison's supermarket. From the southern side of Morrison's car park stepped access is available to Near Lane which leads to Huddersfield Road.

Cycling

Like walking, cycling provides health benefits as well as reducing pollution and congestion. It also increases the potential travel distance over walking whilst being more affordable than the car.

There are a number of available signed and advisory routes in the area including National Cycle Network Route 68, the Pennine Cycleway, which passes along Helme Lane and Mean Lane.

Further information on cycling is available from the following websites:- fourpointmapping.sustrans.org.uk/westyorkshirecyclemap/westyorkshire.html, www.kirklees.gov.uk/beta/food-exercise-and-sport/cycling.aspx, www.yorkshiretravel.net/lts/#/travelInfo, www.cyclestreets.net and www.sustrans.org.uk

The details of the closest shops selling bicycles and carrying out services and repairs are given below:

Honley Cycles (approx. 5km) servicing and repairs
Location: 47 Bradshaw Road, Honley, HD9 6DX,
Tel: 01484 661672
Albion Cycling Co (approx. 6km) sales, servicing and repairs
Location: 27 Albion Mills, Miry Lane, Thongsbridge, HD9 7HP
Tel: 01484 688345, Web: www.albion-cycling.co.uk

Bus

The closest bus stops to the site are located on Mean Lane, at Morrison's supermarket, on Helme Lane and Station Street at distances varying from approximately 445-810m from the site. A summary of the services available is given below.

No	Route	Mon-Sat Daytime	Mon-Sat Evening	Sunday
321	Huddersfield – Meltham	No service	2 late services to Meltham 1 late service to Huddersfield	2 late services to Meltham 2 late services to Huddersfield
324	Huddersfield – Meltham	10 mins	60 mins	30 mins
335	Holmfirth - Slaithwaite	60 mins	No service	No service
388	Huddersfield Royal Infirmary – Meltham	60 mins	No service	No service
389	Meltham – Slaithwaite/ Wilberlee/Blackmoorfoot	1 am service to Slaithwaite/Wilberlee 1 pm service to Blackmoorfoot 1 pm service to Meltham	1 pm service to Blackmoorfoot 1 pm service to Meltham	No service
911	Meltham – Honley Station	60 mins	No service	No service
933	Meltham circular	60 mins	No service	No service
937	Marsden - Honley	1 service AM to Marsden 1 service PM to Honley 2 additional services each way Saturday	No service	No service

Further information including up to date bus timetables and journey planners can be found at www.wymetro.com/buses/ and www.yorkshiretravel.net.

In addition, the 'yournextbus' service providing real-time bus information across West Yorkshire is available by text and online. Information can be found at www.wymetro.com/buses/your-next-bus/how-do-i-use-yournextbus/

Rail

The closest station to the site is Slaithwaite Train Station located approximately 5.4km from the site. The station provides hourly services on the Huddersfield Line which runs between Huddersfield and Manchester. CCTV-covered, sheltered storage space for 10 bicycles is available. At a greater distance of approximately 7km is Honley Train Station. The station provides hourly services on the Penistone Line which runs between Huddersfield and Sheffield. Both these stations are served by aforementioned buses.

Further information on travel by rail can be found at www.wymetro.com/trains/, www.yorkshiretravel.net and www.nationalrail.co.uk

Car Sharing

Car share schemes allow people to offer or search for a lift and then make arrangements to share a journey and therefore reduce travel costs, congestion and emissions. Further details can be found at liftshare.com/uk/community/wy.