



Cambridge Waste Water Treatment Plant Relocation Project



Preliminary Community Information
February 2022

Chesterton, Milton & Fen Road

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Community area information paper: Chesterton, Milton and Fen Road

Summary

The community area of Chesterton, Milton and Fen Road is located south-west of the existing Cambridge waste water treatment plant (WWTP). The boundaries of the area south of the A14; west of the River Cam and railway line; east of Cambridge Science Park; and north of Chesterton. The purpose of this information paper is to provide a preliminary assessment of potential impacts on these communities during construction and operation and outline how development activities will be managed.

During construction, the community area may experience temporary changes to traffic, use of level crossings and changes to the landscape. This could result in traffic delays temporarily reducing access to residential properties, businesses and community facilities. Due to the presence of construction traffic, there will be impacts to users of the Phase 1 Chisholm Trail and of PRoW 162/1 (footway). Pedestrians and cyclists using these routes may experience short term impacts due to the construction traffic using this route.

Measures have been identified to avoid or reduce impacts during construction. These measures will be secured via management plans for environmental topics and include a Construction Traffic Management Plan (CTMP), Code of Construction Practice (COCP), Air Quality Management Plan, and a Travel Plan. The outline **CTMP, COCP and Framework Travel Plan** documents are included within the PEI.

Anglian Water is committed to contributing to and supporting the local economy. During construction there may be potential for opportunities for jobs and training opportunities within the local area, such as apprenticeship opportunities within Anglian Water.

Once operational, these areas will be free of construction routing, so any traffic or adverse effects experienced during construction will be temporary. The Proposed Development is not close to any of the residential properties of the area, meaning local residents are unlikely to experience significant effects during operation. In the long term, the Landscape Masterplan proposals include a Discovery Centre, which is proposed to have multi-use spaces and will provide awareness and educational opportunities on the topics such as the circular economy, the water life cycle and wider environment and sustainability issues.

The **Phase Three Community Consultation Leaflet** and the **Carbon Paper** provide more information on the strategic benefits of the Proposed Development.

Document purpose

The purpose of this paper is to inform the community about how the proposed relocation of the existing Cambridge waste water treatment plant (WWTP) may affect the community of Chesterton, Milton and Fen Road. This is the area located south-west of the existing Cambridge WWTP. It will set out how people living and working in this location would be affected by our Proposed Development based on preliminary assessments and the information we have collected to date in relation to the area. This paper will describe how we intend to mitigate impacts and develop our proposals to account for the following features in this location:

- private property and housing, including residents living within the area;
- community facilities and services and their users, such as health care facilities, educational facilities, and places of worship
- users of public open space, recreational areas and PR of Way (PRoW);
- the River Cam and its users; and
- commercial buildings, employers and employees and job-seekers.

This paper should be read alongside **Environmental Information Papers**, including **Landscape and Visual Amenity, Noise and Vibration, Odour, Traffic and Transport, Recreation, and Air Quality**.

Limitations

This paper has been written based on currently available information, including datasets which have been used to inform the description of the Chesterton, Milton and Fen Road community area. As with any dataset, these may be subject to change over time, which may influence the findings of the assessment.

The assessment of the impact on users of the River Cam and the communities within the area to the south of the existing Cambridge WWTP is based on a site visit and desktop analysis. Further engagement with users of the River Cam and community facilities is planned to understand potential impacts and undertake assessment.

About the Chesterton, Milton and Fen Road community area

The community area of Chesterton, Milton and Fen Road is located south-west of the existing Cambridge WWTP. It is bound by the A14 to the North and the River Cam to the West. The Chesterton, Milton and Fen Road community includes Milton, the north of Chesterton, East of Cambridge Science Park and the communities residing in semi-permanent accommodation along Fen Road. It is located south of the A14 and west of the River Cam. This area covers around 1.5km of land from east to west, around 3km of land from north to south.

Figure 1 in outlines the Chesterton, Milton and Fen Road community area and community resources within it. These community resources have been identified for the purposes of undertaking a preliminary assessment of impacts.

Most residential properties in the Chesterton, Milton and Fen Road community area are located to the south and are approximately 200m from the existing Cambridge WWTP. The closest residential properties are located on or leading off Nuffield Road, Hedges Road, Campkin Road to the south and Arbury Road to the west. Beyond these residential properties are the densely populated residential areas of Chesterton and ward of King's Hedges.

Fen Road is a mix of residential housing, a large number of industrial sites north of the level crossing, and a Travelling Community. An **Equality Impact Assessment (EqIA) Scoping Report** has been undertaken for the Proposed Development and forms part of the consultation material (this is included as part of the PEI). The potential impacts on the Travelling Community will be assessed as part of the Equality Impact Assessment (EqIA) which will form part of the Development Consent Order (DCO) Application.

Community facilities in the Chesterton, Milton and Fen Road community area include Cambridge Golf Driving Range (located immediately south of the existing Cambridge WWTP) and community facilities located at Cambridge Science Park. Community facilities located at Cambridge Science Park include the Bradfield Centre co-working space/lecture hall, the Trinity Centre venue, and the Revolution Health & Fitness Club. There is also a bus shelter located off the A1309 on the eastern edge of the Science Park. There are also community facilities located off Nuffield Road, including Pauline Burnet House care home and Nuffield Road Medical Centre; Shirley Community Primary.

Further south of the proposed construction routing towards the Chesterton, there are the following community facilities: Browns Field House assisted living residence; Brown's Field Youth and Community Centre and recreation ground, Abbeyfield Society care home; Chesterton Primary School and St George's Church and Hall; Chestnut Nursery School and Cambridge District Scout Headquarters, Chesterton Methodist Church and Clarence House Day Nursery.

Areas of open and green space in the Chesterton, Milton and Fen Road community area include Nuffield Road Allotment Society, Bramblefields and Chesterton Nature Reserve, Five

Trees garden, allotments south of Kendall Way, Green End Road recreation ground and play area and Scotland Road recreation ground and a play area off Dundee Close.

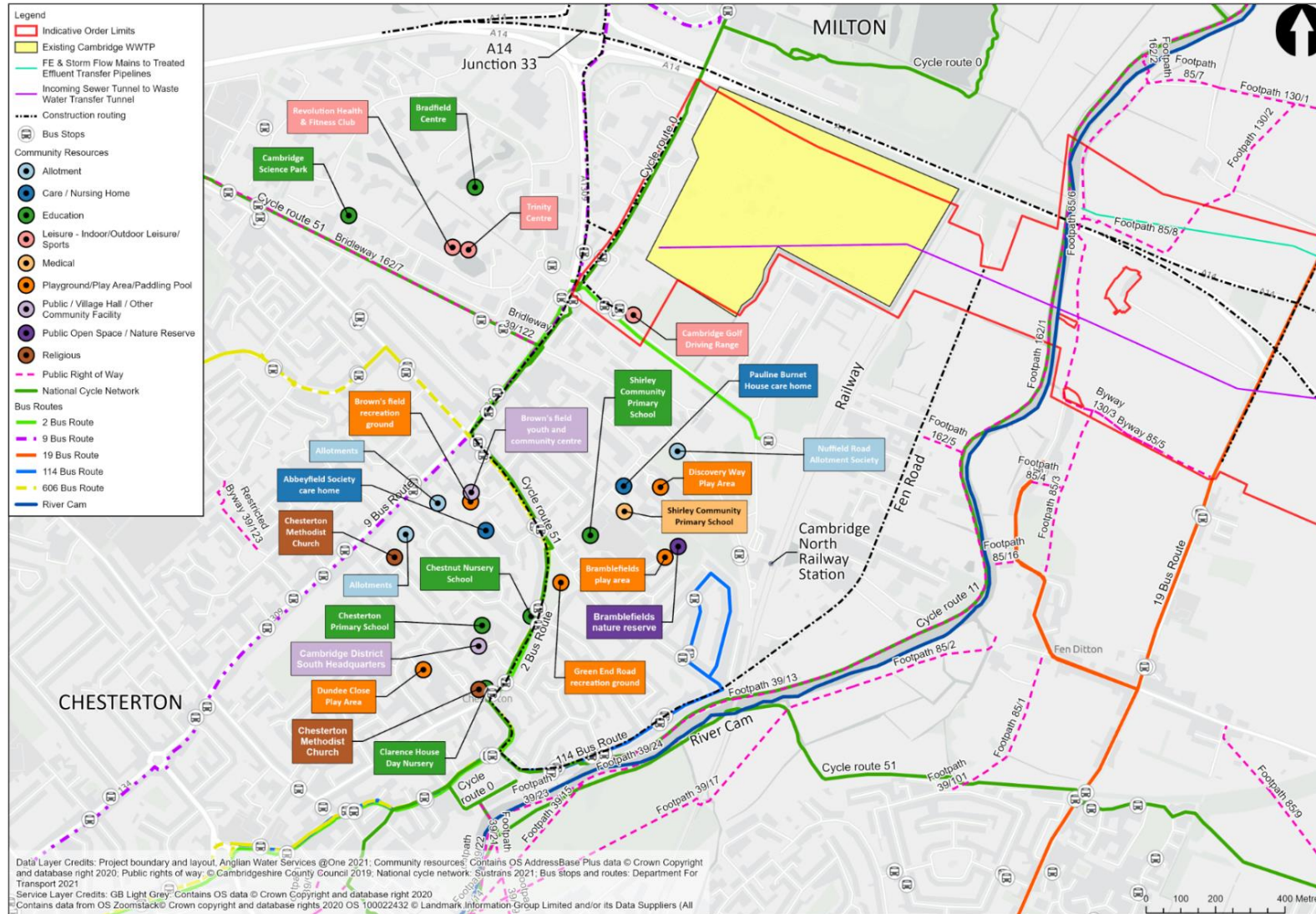
There are a few PRow in the Chesterton, Milton and Fen Road community area, as shown on Figure 1 below. National Cycle Route (NCR) 11 and National Cycle Route 51 run through or near Milton and are also shown on Figure 1 below. The Jane Coston Cycle Bridge provides a connection between Milton and Chesterton and is connected to the wider cycle network. The bridge can be accessed from the south of the A14 via Cowley Road and connects to Cambridge Road north of the A14.

Fen Road, from High Street, is connected to PRow 162/1 (a footpath) on the west bank of the River Cam. It is possible to cross the river via the Baits Bite Lock, at which point the footpath continues via Biggin Lane and eventually intersects with Horningsea Road. For further information on the use of the PRow please refer to the **Environmental Information Paper: Recreation**.

Measures of deprivation consider a range of aspects influencing living conditions. Chesterton experiences average and below average levels of deprivation when compared nationally. Milton has average levels of deprivation when compared nationally, with surrounding areas to the north and northwest experiencing low levels of deprivation. Fen Road experiences average and slightly above average levels of deprivation when compared nationally.¹

There are several community events that run throughout the year in Chesterton and Milton but none in the community immediately south of the existing Cambridge WWTP. They include the annual Chesterton Festival at Chesterton Recreation Ground and numerous events at Milton Country Park.

¹ Indices of multiple deprivation (IMD) are used to classify the relative deprivation of small areas within the UK. <https://www.gov.uk/government/collections/english-indices-of-deprivation>



Source: Mott MacDonald, 2022, Figure 1: Chesterton, Milton and Fen Road Community

How will the proposed relocation of Cambridge Waste Water Treatment Plant change the local area during construction?

During construction, the Chesterton, Milton and Fen Road community area may experience temporary changes to traffic and use of level crossings. Construction vehicle routes will be to the east of Cambridge Science Park (along Milton Road) and to the south towards Chesterton (along Cambridgeshire Guided Busway) and along Fen Road. This could result in traffic delays temporarily reducing access to residential properties, businesses and community facilities. Further details are provided in the **Environmental Information Paper: Traffic and Transport**.

Due to the presence of construction traffic, there will be impacts to users of the Phase 1 Chisholm Trail and of PRow 162/1 (footway). Pedestrians and cyclists using these routes may experience short term impacts due to the construction traffic using this route. This may result in increased walking or cycling distances, temporary increases in HGV along roads used as construction routes, and an increase in traffic which has the potential to cause other users to feel more vulnerable.

Community facilities within 500m south of the existing Cambridge WWTP, which may experience impacts from construction routes include Pauline Burnet House care home and Shirley Community Primary School. Both facilities may be particularly sensitive during the construction period of the Proposed Development, due to their predominant users being older people and children, who can be more sensitive to noise and vibration. Given the small traffic volumes, compared to the existing traffic, this is not likely to lead to significant effects.

During construction there will also be opportunities for jobs and training opportunities within the local area. Anglian Water is committed to contributing to and supporting the local economy and where possible employing local labour.

How will the proposed relocation of Cambridge Waste Water Treatment Plant change the local area during operation?

The potential community impacts and the effects on people during the construction of the Proposed Development are discussed below. These do not take account of measures we will put in place to prevent and minimise impacts. Our proposed approach to mitigation is set out separately in the section below *Error! Reference source not found.*

During construction the Waterbeach pipeline corridors will be visible from Northern Bridge Farm off Fen Road, but impacts are not anticipated to be significant. There will be no adverse impacts on landscape and visual amenity from Chesterton or Milton. The **Environmental Information Paper: Landscape and Visual Amenity** further outlines the impact for Fen Road and describes the elements of the Landscape Masterplan. The Masterplan would provide the landscape context for the Proposed Development and long-term screening of the new structures from the surrounding area.

As described within the **Environmental Information Paper: Traffic and Transport**, once operational, the area to the southwest of the railway line and A14 will be free of construction routing, meaning that the impacts described above as temporary.

The Proposed Development is not close to any of the residential properties of the area. Preliminary odour modelling we have completed for the design development shows that the effect of operation on sensitive facilities would be negligible for this reason. This is described further within the **Environmental Information Paper: Odour**.

How will we manage our Proposed Development to avoid, reduce or offset adverse changes?

The **PEI Introductory Paper** sets out how the Development Consent Order (DCO) would secure mitigation in both construction and operation. In relation to construction this includes the use of a CoCP and subsequent plans that the appointed contractors (s) would be required to prepare and implement. These provide a consistent approach to the management of construction activities.

Furthermore, our activities would be subject to specific regulations for some activities in construction as well as the Environmental Permits required in operation.

The following sets out how we intend to mitigate our development proposals during construction (including commissioning and decommissioning activities) and once the proposed WWTP is operational.

Measures have been identified to avoid or reduce adverse effects identified during construction and operation. Further detail is provided in the **PEI Introductory** of the PEI and within the outline **Code of Construction Practice (CoCP)**. These measures will be secured via management plans for environmental topics and include a Construction Traffic Management Plan, Air Quality Management Plan, Odour Management Plan and Travel Plan.

The Construction Environmental Management Plan (CEMP) prepared by the appointed contractors will detail the implementation of measures in accordance with the environmental mitigation secured as part of the Code of Construction Practice (CoCP), the Development Consent Order, the Requirements and Protected Provisions, Section 106 Obligations and Undertakings, legislation and other relevant consents, licences, approvals and permits.

Mitigation measures of particular relevance to potential effects within the Chesterton, Milton and Fen Road community area, are as follows:

- effort will be made to maintain the functions of the existing formal PRow network. Where a diversion is required, diversions will be in place for the shortest possible duration practicable and the length of the diversion will be minimised. Suitable signage will be provided and in advance of the diversion being implemented, advance information will be communicated to local residents,
- inclusion with the site induction for construction workers the expectations in relation to conduct whilst on site, including respecting and showing courtesy to and supporting the local community,

- adoption of pro-active approach to communication with the local community and stakeholders. Occupiers of nearby properties, Parish Councils and the Local Planning Authorities will be kept regularly informed of the works taking place, including durations, particularly where these will involve works outside of the standard working hours or impact community facilities and businesses,
- production of a draft Communications Liaison Plan as part of the COCP. This will set out more detail around community engagement and include the provision of a 24-hour help line. Details of the help line will be promoted by various means including press releases and on Anglian Water Services' website,
- implementation of a complaints procedure during the construction process. All complaints will be logged, investigated and the response recorded. We are proposing that the outcome of the investigation will also be reported to the complainant within a set timeframe which is defined in the outline CoCP, and
- establishing a Temporary Visitor Centre within the main construction area of the proposed WWTP which will be a focal point for engagement with the residents in the surrounding communities.

Measures to prevent dust and adverse air quality impacts in construction are detailed within the **Environmental Information Paper: Air Quality**.

Measures to control noise and vibration in during construction are detailed within the **Environmental Information Paper: Noise and Vibration**. These controls will serve to reduce noise levels so as to prevent effects on people and communities.

What community benefits will there be once construction has been completed?

A Discovery Centre is provided as part of the Proposed Development. The purpose of the Centre is to raise awareness and provide education on water, circular economy, environment and sustainability. The Centre will be open for pre-arranged visits by schools, colleges and other interested groups. The Centre will also include:

- An Innovation Hub for projects focusing on STEM activities which will link to other Anglian Water workstreams; and
- A multi-use space for internal as well as external meetings, including events.

Further details of the strategic benefits of the Proposed Development are outlined in the **Phase Three Community Consultation Leaflet**.

What might the likely significant effects to the Chesterton, Milton and Fen Road community area be in relation to its proposed relocation?

The likely significant effects in relation to the proposed relocation of the existing Cambridge WWTP is:

- Potential delay and disruption to access to community from construction vehicles (such as from the movements of Heavy Goods Vehicles (HGVs)) using roads to access construction sites.