Cambridge Waste Water Treatment Plant Relocation Project
Anglian Water Services Limited

Environmental Statement Appendix 2.6: Mitigation Tracker

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Cambridge Waste Water Treatment Plant Relocation Project
Mitigation Tracker

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01	30.01.23	-	DCO Submission
02	29.09.23	-	Procedural decision 01 update Addition of Figure setting out mitigation Table 2-1 restructure and addition of ES Chapter 22 measures
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1 Introduction

1.1 Anglian Water Services Limited

1.1.1 —Anglian Water Services Limited (the 'Applicant') is the largest regulated water and water recycling company in England and Wales by geographic area, supplying water and water recycling services to almost seven million people in the East of England and Hartlepool.

1.1.2 —The Applicant is committed to bringing environmental and social prosperity to the region they serve, through their commitment to Love Every Drop. As a purpose-led business, The Applicant seeks to contribute to the environmental and social wellbeing of the communities within which they operate. As one of the largest energy users in the East of England, they are also committed to reaching net zero carbon emissions by 2030.

1.2 ~~Background~~ Introduction to the relocation project

~~1.2.1 The Applicant is proposing to build a modern, low carbon waste water treatment for~~1.2.1 Anglian ~~Gre~~Water's Cambridge ~~on a new site area north of the A14 between Fen Ditton and~~ Waste Water Treatment Plant Relocation project (CWWTPRP) ("the Proposed Development") is funded by Homes England, the Government's housing accelerator which seeks to improve neighbourhoods and grow communities by releasing land for development.

~~Horningsea within the Cambridge drainage catchment area, to replace the plant on Cowley Road, hereafter referred to as~~1.2.2 The Proposed Development involves the relocation of the existing Cambridge Waste Water Treatment Plant (WWTP) currently operating at Cowley Road, Cambridge, to a new site between Horningsea, Fen Ditton and Stow cum Quy, adjacent to the A14 in Cambridgeshire.

1.2.~~2~~3 ~~The relocation will enable South Cambridgeshire District Council and Cambridge~~

would make the site of the existing WWTP available to form part of the~~City Council's long held ambition to~~ development of a new low-carbon city district, ~~on~~ known as North East Cambridge. The site at Cowley Road, is Cambridge's last major brownfield site, ~~known as~~and the wider North East Cambridge~~.~~ district proposals envisage creating around 8,350 homes and 15,000 jobs over the next 20 years. ~~The site is an important component of the First Proposals (preferred options) for the new~~

1.2.4 North East Cambridge is a highly sustainable location for housing. In addition to the Homes England funding, the area has benefitted from Transport Infrastructure Fund (TIF) funding for Park & Ride, the completion of

Cambridge Guided Bus public transport infrastructure, the delivery of the Cambridge North rail station and the Chisholm Trail.

1.2.5 North East Cambridge is one of three key strategic sites which will form "*central building blocks of any future strategy for development*" in the proposed Greater Cambridge Local Plan ~~that were~~being jointly prepared by Cambridge City Council and South Cambridgeshire District Council that will be subject to public consultation in ~~late~~Autumn 202~~1~~3. The North East Cambridge Area Action Plan ~~has also been agreed by the Councils~~(AAP), currently in ~~its~~ "Proposed Submission" form ~~and~~, will be ~~subject to public consultation prior to submission, once~~the planning

policy framework which ultimately guides the ~~D~~development ~~Consent Order is determined.~~of ~~The relocation of the existing waste water treatment facility will enable this new district to come forward and deliver 8,350 homes, 15,000 new jobs and a wide range of community, cultural and open space facilities in~~ North East Cambridge~~.~~ city district ~~Further details on this can be found in our Statement of Requirement (Application Document Reference 7.2) which was published in September 2019.~~

~~1.2.3 The relocation of the waste water treatment plant will also allow The Applicant to~~

~~continue providing vital waste water services to customers across Cambridge and Greater Cambridge. The new plant will continue storing and treating storm flows and treating sludge to produce renewable energy. It will be designed to deal with a growing population. It offers the opportunity for a joined-up solution for treating waste water from Cambridge and Greater Cambridge, including Waterbeach. The proposal is for both waste water from the existing Waterbeach waste water treatment plant and future flows from Waterbeach New Town to be treated at the proposed Cambridge waste water treatment plant~~.

1.2.4~~6~~ ~~The~~ importance of the Proposed Development ~~will be the first waste water project to seek a~~

, both regionally and nationally, was recognised by ~~Development Consent Order that is not specifically named in the National Policy~~

~~Statement (NPS). 'The Applicant' sought and obtained a direction from~~ the Secretary of State ~~under section 35 of the Planning Act 2008 ("the 2008 Act") that the project~~for Environment, Food and Rural Affairs (DEFRA) in January 2021, who directed that the Proposed Development is nationally significant and is to be treated as a development ~~of national significance.~~for which a Development Consent Order (DCO) is required (see Appendix 1-3 of the Planning Statement, App Doc Ref 7.5).

~~**1.3**~~ ~~The~~1.2.7 The policy context of the Proposed Development is described in more detail in the Planning Statement (Application Document Reference 7.5)

1.3 ~~1.3.1 This section provides a high-level summary of the Proposed Development. The term Proposed Development refers to the Cambridge Waste Water Treatment Plant (WWTP) Relocation project in its entirety and all works associated with the development.~~ The relocation site

~~1.3.2~~ 1.3.1 The relocation site was selected following comprehensive study and public consultation. ~~A detailed description of the Proposed Development can be found~~ The site selection process and consideration of alternatives is described in more detail in Chapter ~~2~~3: Alternatives of the Environmental Statement (App Doc Ref 5.2.~~2~~3).

1.3.~~3~~2 ~~The purpose of the proposed WWTP will be to treat all waste water and wet sludge from the Cambridge catchment just as~~current environmental conditions at the existing Cambridge WWTP ~~currently does, plus that from the growth indicated and being planned within the catchment in the Local Plan to 2041, with ability to expand beyond to deal with further growth.~~site and at the relocation site are described in Chapter 2: Project Description of the Environmental Statement (App Doc Ref 5.2.2).

~~1.3.4 As part of its statutory function, the Applicant operates~~ The site is located to the north-east of Cambridge and 2km to the east of the existing Cambridge WWTP~~.~~, as shown on the Works Plans (App Doc Ref 4.3.1). It is situated on arable farmland immediately north of the A14 and east of the B1047 Horningsea Road in the green belt between the villages of Horningsea to the north, Stow cum Quy to the east and Fen Ditton to the south west. Two overhead lines of pylons cross the northern and eastern edges of the main development site and come together with a third line at the north eastern corner of the site. The topography is fairly flat with an approximately 4m fall across the site south west to north east.

1.4 Purpose of the Proposed Development

1.4.1 The Proposed Development for which the DCO is being sought will deliver all the functions of ~~T~~the existing Cambridge WWTP ~~receives~~at Cowley Road, treating all waste water from the Cambridge catchment ~~either directly from the connected sewerage network or tankered to the plant from homes and businesses that are not connected.~~and wet sludge from the wider region. ~~This waste water is then treated and the treated effluent discharged through an outfall to the nearby River~~

~~Cam. The existing Cambridge WWTP is an integrated WWTP, as would be the Proposed Development. Integrated WWTP incorporate a sludge treatment function, in the form of a Sludge Treatment Centre (STC), which treats the sludge derived from the~~1.4.2 In addition, it will have an increased capacity, being intended to treat the waste water from the ~~catchment, and the "wet~~

~~sludge" produced by other satellite plants which do not have integrated STC.~~Waterbeach catchment and anticipated housing growth in the combined Cambridge and Waterbeach catchment area.

~~1.3.5 The Waterbeach New Town development lies to the north of Cambridge. When built out Waterbeach new town will comprise some 11,000 new homes along with associated business, retail, community and leisure uses. Waste water from Waterbeach will ultimately be treated by the proposed Cambridge WWTP once operational. However, the rate of development at Waterbeach New Town may require a new pipeline (rising main) to be built from Waterbeach to the existing Cambridge WWTP to allow treatment of waste water in advance of the proposed WWTP becoming operational. In that case, either a later connection would be made to the proposed WWTP from a point on the pipeline route, or flows diverted from the existing Cambridge WWTP via~~1.4.3 The infrastructure provided as part of the main works will have a design life to at least 2090, and the supporting infrastructure (i.e. the transfer tunnel~~-~~, pipelines and outfall) will have a designed capacity sufficient to meet population growth projections plus an allowance for climate change into the 2080s. Furthermore, there is capability for expansion in space that has been provided within the earth bank and by modification, enhancement and optimisation of the design to accommodate anticipated flows into the early 2100s.`

1.5 ~~1.3.6 In summary~~Outline description of the Proposed Development ~~will comprise of:~~

1.5.1 The DCO application is seeking approval for the following main elements of the Proposed Development:

- an integrated waste water and sludge treatment plant.
- a shaft to intercept waste water at the existing Cambridge WWTP on Cowley Road and a tunnel/ pipeline to transfer it to the proposed WWTP and terminal pumping station. Temporary intermediate shafts to launch and recover the micro-tunnel boring machine.
- a gravity pipeline transferring treated waste water from the proposed WWTP to a discharge point on the River Cam and a pipeline for storm water overflows.
- a twin pipeline transferring waste water from Waterbeach to the existing Cambridge WWTP, with the option of a connection direct in to the proposed WWTP when the existing works is decommissioned.
- ~~ancillary~~ on-site buildings, including ~~-~~ a Gateway Building with incorporated Discovery Centre, substation building, workshop, vehicle parking including electrical vehicle charging points, fencing and lighting.

- environmental mitigation and enhancements including substantial biodiversity net gain, improved habitats for wildlife, extensive landscaping, a landscaped earth bank enclosing the proposed WWTP, climate resilient drainage system and improved recreational access and connectivity.
- ~~R~~renewable energy generation via anaerobic digestion which is part of the sludge treatment process that produces biogas designed to be able to feed directly into the local gas network to heat homes, or as an alternative potential future option burnt in combined heat and power engines.
- renewable energy generation via solar photovoltaic and associated battery energy storage system.
- other ancillary development such as internal site access, utilities, including gas, electricity and communications and connection to the site drainage system.
- a new vehicle access from Horningsea Road including for Heavy Goods Vehicles (HGV's) bringing sludge onto the site for treatment and other site traffic.
- Temporary construction works including compounds, temporary highway controls, accesses and signage, fencing and gates, security and safety measures, lighting, welfare facilities, communication control and telemetry infrastructure.
- Decommissioning works to the existing Cambridge WWTP to cease its existing operational function and to facilitate the surrender of its operational permits including removal of pumps, isolation of plant, electrical connections and pipework, filling and capping of pipework, cleaning of tanks, pipes, screens and other structures, plant and machinery, works to decommission the potable water supply and works to restrict access to walkways, plant and machinery.

1.5.2 Additional elements, together with more information on the above features are provided in Chapter 2: Project Description of the Environmental Statement (App Doc Ref 5.2.2). Principles of Good Design have been used to inform the development of the project, which has been guided by the National Infrastructure Commission's Design Principles, advice from the Design Council and review by the Cambridgeshire Quality Panel, as described in the Design and Access Statement (App Doc Ref 7.6).

1.5.3 Construction activities, likely to take 3-4 years, will include the creation of a shaft to intercept waste water at the existing Cambridge WWTP and temporary intermediate shafts between the existing Cambridge WWTP and the proposed WWTP to launch and recover a micro-tunnel boring machine. The sequence and location of construction activities are also detailed in Chapter 2: Project Description of the Environmental Statement (App Doc Ref 5.2.2).

1.5.4 Towards the end of the construction period, commissioning of the Proposed Development will commence, lasting for between 6 months and 1 year.

1.5.5 The Proposed Development will also involve the decommissioning of the existing Cambridge WWTP at Cowley Road. This is secured by the Development Consent Order and the Outline Decommissioning Plan (Appendix 2.3, App Doc Ref 5.4.2.3) and involves activities necessary to take the existing plant out of operational use and to surrender its current operational permits.

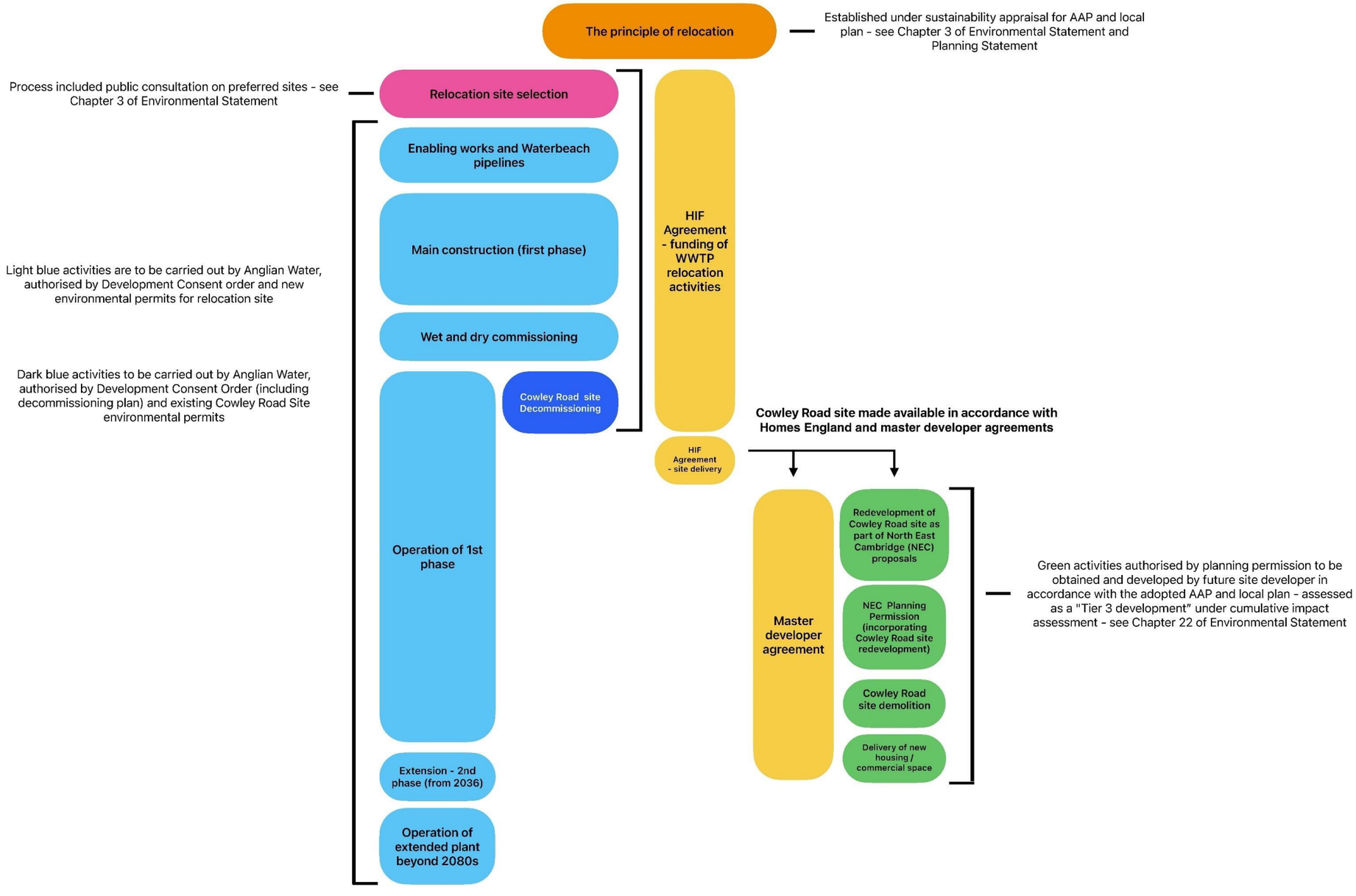
1.5.6 Following decommissioning, the site of the existing plant will be made available in accordance with agreements already in place with Homes England and with the master developer appointed to deliver the redevelopment of North East Cambridge

1.5.7 Consent is not sought under the Development Consent Order for the subsequent demolition or redevelopment of the Cowley Road site, which, as described in Chapter 2: Project Description of the Environmental Statement (App Doc Ref 5.2.2) will be consented under a separate and future planning permission, by master developers, U+I and TOWN, appointed under the agreements described above.

1.5.8 The relationship between the Proposed Development, the scope of the proposed DCO and the future demolition and redevelopment of the site at Cowley Road is set out in figure 1.1, below

~~Cambridge Waste Water Treatment Plant Relocation Project Mitigation Tracker~~

Cambridge Waste Water Treatment Plant Relocation Project Mitigation Tracker

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1.6 Environmental mitigation

1.6.1 Through the environmental impact assessment process and community and technical stakeholder engagement the Proposed Development has incorporated comprehensive environmental mitigation, secured through the Development Consent Order.

1.6.2 This mitigation includes a Landscape, Ecological and Recreational Management Plan ("LERMP", Appendix 8.14, App Doc Ref 5.4.8.14) has been developed to complement regional and local initiatives, including the Wicken Fen Vision and the Cambridge Nature Network. The 22-hectare footprint of the plant is encircled by a landscaped and planted earth bank situated within the broader LERMP area of around 70-hectares.

1.7 Additional project benefits

1.7.1 In addition to enabling housing growth and future economic development of the Greater Cambridge area the project will also give rise to a number of additional benefits including:

- significantly reduced carbon emissions compared to the existing Cambridge WWTP, being operationally net zero and energy neutral, contributing to Anglian Water's ambition of being operationally net zero as a business by 2030.
- greater resilience and improved storm management, meaning storm overflows and Combined Sewer Overflows (CSOs) are far less likely to occur. This means that, as Greater Cambridge continues to grow, the facility will be able to treat a greater volume of storm flows to a higher standard than would be the case at today's facility.
- The proposed WWTP is being designed to reduce concentration in final treated effluent discharges of phosphorus, ammonia, total suspended solids and biological oxygen demand (BOD), compared to the existing Cambridge WWTP. This means that when the new facility starts to operate, water quality in the River Cam will improve.

2 Mitigation Tracker

2.1.1 ~~—~~The purpose of the Mitigation Tracker is to set out the mitigation measures presented in the Environmental Statement (Volume 5) for the Proposed Development.

2.1.2 ~~—The table below sets out the relevant Environmental Statement topic chapter and the location within those chapters of where the mitigation can be found. The far right hand column of the table sets out the mechanism by which the mitigation has been secured within the DCO application.~~

~~2.1.3 —~~The Mitigation Tracker should be read in conjunction with the Environmental Statement.

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~~Mitigation Tracker~~

~~**Chapter Mitigation Description of impact Mitigation measure Secured by number location**~~

2.1.3 Table 2-1 provides guidance on the content of the mitigation tracker which is provided in Table 2-2.

Table 2-1: Mitigation tracker guidance

Column	Explanation
Mitigation ID	Unique identification number for specific measure
Source	Identifier which is directly related to the mitigation identified within the ES or other application documentation
Description of impact	Details of impact for which mitigation is applied to
Mitigation / commitment	Summary of the mitigation as identified within the source document.
Phase	Project phase that the measure will apply or be initiated
Reference documents	Where the mitigation measure is referenced or identified within the application documents
Securing mechanism	How the mitigation is secured such as a direct Requirement of the DCO or as s106
Related mitigation	Impacts which rely on the implementation of mitigation assigned to other impacts for example impacts to community receptors recorded in ES Chapter 11:Community are reliant on measures applied to control noise, air, odour and traffic and transport impacts.

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~~**Chapter Mitigation Description of impact Mitigation measure Secured by number location**~~

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~~Chapter Mitigation Description of impact Mitigation measure Secured by number location~~

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~~Table 2-1:~~ Mitigation Tracker

~~Cambridge Waste Water Treatment Plant Relocation Project~~

~~Mitigation Tracker~~

~~**Chapter Mitigation Description of impact Mitigation measure Secured by number location**~~

~~Chapter~~

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~~**Chapter Mitigation Description of impact Mitigation measure Secured by number location**~~

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~~Chapter Mitigation Description of impact Mitigation measure Secured by number location~~

Figure 2 .1: Mitigation architecture

Table 2-2: Mitigation tracker

Ref	Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~ Securing mechanism
AS-1	ES Chapter 06: Agriculture and Soils	run-off, water logging and contamination from leaks and	Where possible land drains will be avoided	DCO Schedule 2,	App Doc Ref 5.4.6.3)	the outline
AS-2	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation Temporary reduction in the quality of soil resources during the construction of the proposed development due to soil compaction, poor soil storage,	~~R~~Temporary reduction in the quality of soil resources ~~as a result of~~during the construction of the proposed ~~WWTP~~development due to soil compaction, poor soil storage, run-off, water logging and contamination from leaks and spills.	**Code of Construction Practice** Manged through the soil quality and management mitigation measures which include, but are not limited to the following: ● ~~h~~Handling of site soils should always be conducted in accordance with the Construction Code of Practice for Sustainable Use of Soils on Construction Sites (Defra 2018); ● ~~s~~Soil handling will be limited during wet periods where soils are susceptible to structural damage when handled at high moisture content or when plastic; ● ~~t~~Tracked/low ground pressure vehicles are used ~~-~~where possible throughout stripping and haulage to reduce structural damage through compaction; ● ~~s~~Soil stripping will be carried out in all areas subject to earthworks and will be stored and handled separately as per their type; ~~-~~and ● ~~s~~Stripped soils will be stockpiled, where possible, on dry, flat ground avoiding hollows~~.~~ **Outline SMP** Th detailed SMP will include provision for management and monitoring for a period of at least 5 years following construction .	Construction	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2 Requirement 9 CEMP - – a detailed soil management plan which must accord with the measures set out in the outline soil management plan
AS-3	ES Chapter 06: Agriculture and Soils ~~Chapter 06:~~ (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation Reduction in the quality of soil resources as a result of the construction of the proposed WWTP due to soil compaction, run-off, water logging and contamination from leaks and spills	~~resources during the construction of the Agriculture and Mitigation~~ ~~proposed development due to soil~~	**Code of Construction Practice** A detailed Soil Management Plan building on the outline SMP will be submitted to and approved by the LPA and will form part of a Construction Environmental Management Plan (CEMP) **Code of Construction Practice** Section 4.4. - a detailed Soil Management Plan building on the outline SMP will be submitted to and approved by the LPA and will form part of a Construction Environmental Management Plan (CEMP) **Code of Construction Practice & Outline SMP** Section 7.4 manged through the soil quality and management mitigation measures which include, but are not limited to the following: ● Section 5.14 where possible land drains will be avoided (Section ~~M~~ 5.14 of CoCP Part A).	Construction	Sections 4.4 (CEMP) Para 4.4.4. 5.14, Watercourses/drainage channels, 7.4, Land quality – soil management, Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP DCO Schedule 2 Requirement 9 CEMP - a detailed soil management plan which must accord with the measures set out in Section 4.4 (CEMP) Para 4.4.4. 5.14, Watercourses/drainage channels, 7.4, Land quality – soil management, Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 5.4, Outline SMP (Appendix 6.3, App Doc Ref	soil management plan

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism						
	5.4.6.3) DCO Schedule 2, Requirement – 8 CoCP	DCO Schedule 2, Requirement 9 – CEMP	Requirement 9 CEMP –– a detailed soil management plan which must accord with the measures set out in the outline soil management plan			
	~~Soils~~	~~•~~	~~Handling of site soils should always be conducted in accordance~~			
	~~compaction, poor soil storage, run-off, water~~		with the Construction Code of Practice for Sustainable Use of ~~logging and contamination from leaks and~~			
		~~•~~	Soils on Construction Sites (Defra 2018) ; ~~spills.~~			
		~~•~~	Soil handling will be limited during wet periods where soils are susceptible to structural damage when handled at high moisture content or when plastic;			
		~~•~~	Tracked/low ground pressure vehicles are used where possible throughout stripping and haulage to reduce structural damage through compaction;			
		~~•~~	Soil stripping will be carried out in all areas subject to earthworks and will be stored and handled separately as per their type; and			
		~~•~~	Stripped soils will be stockpiled, where possible, on dry, flat ground avoiding hollows~~.~~			
			~~• Where possible land drains will be avoided (Section 5.14 of CoCP Part A).~~			
			~~• A detailed Soil Management Plan building on the outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) will be submitted to and approved by the LPA and will form part of a Construction Environmental Management Plan (CEMP)~~			
				Outline SMP The~~e~~ detailed ~~plan~~SMP will include provision for management and monitoring for a period of at least 5 years following construction . The detailed plan will include provision for management and monitoring for a period of at least 5 years following construction ~~.~~for areas not covered by the LERMP ~~Section 4.4 and 5.14, Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan (CEMP) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Outline SMP~~ (Appendix ~~6.3~~8.14, App Doc ~~Ref 5.4.6.3) which are secured through the requirements of the draft DCO (App Doc Ref 2.1~~5.4.8.14)	
~~Chapter 06: Agriculture and Soils~~	~~Table 5.2 – Securing Mitigation~~	~~Reduction in the quality of soil resources as a result of the construction of the proposed WWTP due to soil compaction, run-off, water logging and contamination from leaks and spills~~	~~Application of appropriate soil handling practices through implementation of the outline SMP and requirement within Section 4.4 of the CoCP Part A (Construction Environment Management Plan (CEMP)) to prepare a SMP. This may include management mitigation measures not limited to the following:~~ ~~• handling of site soils should always be conducted in accordance with the Construction Code of Practice for Sustainable Use of Soils on Construction Sites (Defra 2018);~~ ~~• soil handling will be limited during wet periods where soils are susceptible to structural damage when handled at high moisture content or when plastic;~~ ~~• tracked/low ground pressure vehicles are used where possible throughout stripping and haulage to reduce structural damage through compaction;~~ ~~• soil stripping will be carried out in all areas subject to earthworks and will be stored and handled separately as per their type; and~~ ~~• stripped soils will be stockpiled, where possible, on dry, flat ground avoiding hollows.~~ ~~• where possible land drains will be avoided (Section 5.14 of CoCP Part A).~~ ~~• a detailed Soil Management Plan building on the outline SMP (App Doc Ref 5.4.6.3) will be submitted to and approved by the~~	~~Section 4.4, Code of Construction Practice (CoCP) Part A (App Doc Ref 5.4.2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Outline SMP (App Doc Ref 5.4.6.3) which are secured through the requirements of the draft DCO (App Doc Ref 2.1)~~		

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~~Chapter~~ Ref	~~Mitigation~~Source
Description of impact	Mitigation measure
~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism	

AS-4	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Reduction in the quality of soil resources within the land required for the proposed WWTP due to soil compaction, run-off, water ~~channels / Land drains).~~ logging and contamination from leaks and spills	~~LPA and will form part~~**Code of a Construction** ~~Environmental Management Plan (CEMP).~~**Practice** ~~The detailed plan will include provision for management and monitoring for a period of at least 5 years following construction for areas not covered by the LERMP~~Provision / reinstatement of land drainage through implementation of Section 5.14 of the CoCP Part A (~~Other w~~Watercourses ~~/~~ ~~D~~drainage channels,).	C	**Inserted Cells** **Inserted Cells** **Inserted Cells** **Inserted Cells** **Inserted Cells** **Inserted Cells**
AS-5	ES Chapter 06: ~~Agriculture and Soils~~ (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Provision / reinstatement of land drainage through implementation of ~~Section 5.14, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~	~~Mitigation~~ 5.14 of the CoCP Part A (~~Other W~~watercourses ~~/~~ ~~d~~Drainage channels,). ~~Soils~~	~~within the land required for the proposed~~ Section ~~which is secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Reduction in the quality of~~Temporary requirement of agricultural land results in effect on soil resources due to soil compaction, poor soil storage, run-off, water logging and contamination from leaks and spills to temporary change to use of soils during construction of the final effluent pipeline and the waste water transfer tunnel	**Code of Construction Practice**	Section 5.14, Watercourses/drainage	DCO Schedule 2, Requirement 8 – CoCP	Construction	
AS-7	ES Chapter 06: Agriculture and ~~Soils~~ (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Temporary loss of access to and use of agricultural land during construction of the Waterbeach pipeline.	~~Agriculture and~~	~~Mitigation required for the proposed WWTP, the access implementation of the outline SMP and requirement within Section 4.4 App Doc Ref 5.4.2.1) Soils road and landscaping proposals set out within of the CoCP Part A (Construction Environment Management Plan.~~ Soils	

~~Chapter 06: Agriculture and Soils~~	~~Table 5.2 Securing Mitigation~~	~~Temporary requirement of agricultural land results in effect on soil resources due to soil compaction, poor soil storage, run-off, water logging and contamination from leaks and spills to temporary change to use of soils during construction of the final effluent pipeline and the waste water transfer tunnel~~	~~Provision / reinstatement of land drainage through implementation of Section 5.14 of the CoCP Part A (Other watercourses / Drainage channels / Land drains).~~	~~Section 5.14, CoCP which is secured th~~	
~~Chapter 06: loss of BMV land due to land~~			DCO Schedule 2, ~~Table 5.2 Securing~~ Permanent ~~Application of appropriate soil handling practices through~~		
			~~Section 4.4, Code of~~ Construction Practice Requirement 9 – CEMP (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)		

~~Chapter~~ ~~location~~Securing mechanism	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
AS-6	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Permanent loss of BMV land due to land required for the proposed WWTP, the access road and landscaping proposals set out within ~~- of~~ the landscape masterplan.	**Code of Construction Practice & Outline SMP** Application of appropriate soil handling practices through implementation of the outline SMP and requirement within Section 4.4 of the CoCP Part A (Construction Environment Management Plan (CEMP)) to prepare a SMP.	Construction	Sections 4.4 (CEMP) Para 4.4.4., and 7.4 , Land quality – soil management Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) , Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP DCO Schedule 2 Requirement 9 CEMP - – a detailed soil management plan which must accord with the measures set out in the outline soil management plan
Design Defined accesses to Waterbeach works areas Creation of temporary haul route section parallel to Hatridges' Lane to allow farming activities to continue. **Code of Construction Practice & CTMP** Minimising access disruption and disturbance through implementation of Section 7.6 of the CoCP Part A (Traffic and Transport) and CTMP including the requirement to agree temporary access through coordination with landowners, tenants and/or land agents.	Construction Table 2-14 ES Chapter 6 Agricultural Land and Soils (App Doc Ref 5.2.6) Table 4-1 and Sections Section 5.2 (Temporary access points and construction road signage), and 6.3 (Adherence to Designated Routes) in ~~the landscape masterplan. (CEMP)) to prepare a SMP.~~	~~App roval and implementation of a Construction Environmental~~Construction Traffic Management Plan ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~(CTMP) ~~Outline SMP~~ (Appendix ~~6.3~~19.7, App Doc Ref ~~5.4.6.3)~~ ~~which~~	~~are secured through the requirements of the draft DCO (App Doc Ref 2.1)~~ 5.4.19.7)			
	~~Chapter 06: Agriculture and Soils~~	~~Table 5.2 - Securing Mitigation~~	~~Temporary loss of access to and use of agricultural land during construction of the Waterbeach pipeline.~~	~~Return land temporarily required during construction to previous use through reinstatement~~ and implementation of ~~section 7.4 of the CoCP Part A and application of a SMP based on the outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3).~~		~~Section 7.4, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO Doc Ref 2.1).~~ ~~Section 5.4, Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) which secured through requirements of the draft DCO (App Doc Ref 2.1)~~
	~~Chapter 06: Table 5.2 - Securing Mitigation~~ ~~waste water transfer tunnel and treated~~	~~Temporary loss of agricultural land from~~ ~~during~~	~~Return land temporarily required~~ Section 4.4 (CEMP) Para 4.4.4. and 7.6 (Traffic and transport) Code of ~~c~~Construction ~~to previous use~~ Practice (~~Section 7.4,~~ CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~Agriculture and~~			
	DCO Schedule 2 Requirement 7 - Detailed design Requirement 4 – Parameters – Schedule 7 access to works DCO Schedule 2, Requirement – 7 Detailed design DCO Schedule 2, Requirement 9 CEMP to include detailed CTMP which must accord with the construction traffic management plan					

AS-8	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Temporary loss of access to and use of agricultural land during construction of the Waterbeach pipeline.	**Code of Construction Practice & Outline SMP** Return land temporarily required during construction to previous use through reinstatement to original land use after construction in line with landowner/tenant requirements as required by section 7.4 of the CoCP Part A and through application of a SMP based on the outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3).	Construction	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 7.4, Land quality – soil management, Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1 Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP
AS-9	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Temporary loss of agricultural land from waste water transfer tunnel and the outfall and habitat creation. ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App 5.4.2.1~~~~Doc Ref 2.1~~~~).~~	**Code of Construction Practice & Outline SMP** Return land temporarily required during construction to previous use through reinstatement ~~and implementation of section 7.4 of the CoCP~~to original land use after construction in line with DCO Schedule 2, treated ~~Soils~~ effluent pipelines, landowner/tenant requirements as required by section 7.4 of the CoCP Part A and through application of a SMP based on the outline SMP~~.~~ Section 5.4, Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) ~~which are secured through requirements of the draft DCO (App Doc Ref 2.1)~~	Construction	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement – 8 CoCP Requirement 9 – CEMP
AS-10	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	~~Table 5.2 – Securing Mitigation~~ Temporary requirement of land from farm businesses for construction of the waste water transfer tunnel and treated effluent transfer pipelines results in temporary disturbance from construction traffic and short-term land severance.	**Construction Traffic Management Plan** To reduce impacts ~~to~~on farm businesses the Construction Traffic Management Plan includes the details of traffic management measures such as reduced speeds, signage and haul route and access points. Minimising temporary short~~-~~-term impacts to farm businesses through application of the measures required by the CTMP in particular: ~~• Section 6.3 Adherence to Designated Routes;~~ ~~•~~ Section 5.2 (Temporary access points and construction road signage) which requires the use of temporary signage along all proposed construction haul roads. As a minimum this will include internal haul road speed limits, warning (hazard signs), potential vehicle or pedestrian~~.~~ Section 6.3 Adherence to Designated Routes~~;~~ ~~Minimising access disruption and disturbance through implementation of Section 7.6 of the CoCP Part A (Traffic and~~	Construction	~~Approval and implementation of a Construction Environmental~~ Section 5.2 (Temporary access points and ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ construction road signage) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)~~, secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 to include detailed CTMP, CEMP to include detailed CTMP

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~~Chapter~~ Ref Reference document	~~Mitigation~~Source ~~location~~Securing mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase
		~~Transport) and the CTMP requirement to agree temporary access through coordination with landowners, tenants and/or land agents Requirement within section 3 of the CoCP Part A and B (Application Doc Ref: 5.4.2.1) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of temporary changes to access~~		
AS-12 ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	**Code of** ~~To reduce impacts to farm businesses the~~ **Construction** ~~Traffic Management Plan includes the details of traffic management measures such as reduced speeds, signage and haul route and access points.~~ **Practice** ~~Minimising temporary short term impacts to farm businesses through application of the measures required by the CTMP in particular:~~ ~~• Section 6.3 Adherence to Designated Routes~~	~~• Section 5.2 (Temporary access points and construction road signage) which requires the use of temporary signage along all proposed construction haul roads. As a minimum this will include internal haul road speed limits, warning (hazard signs), potential vehicle or pedestrian.~~ Minimising access disruption and disturbance through implementation of Section 7.6 of the CoCP Part A (Traffic and Transport) and the CTMP requirement to agree temporary access through coordination with landowners, tenants and/or land agents. Requirement within section 3 of the CoCP Part A ~~and B~~ (Application Doc Ref: ~~Appendix 2.1 & 2.2, App Doc Ref~~ 5.4.2.1~~, 5.4.2.2~~) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of temporary changes to access.	~~Approval and implementation of a~~ Construction ~~Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Sections 3 (Community & Stakeholder Engagement), ~~4.4 (CEMP) Para 4.4.4.~~, and Section 7.6 (Traffic and Transport) Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7) DCO Schedule 2, Requirement – 8 CoCP	DCO Schedule 2, Requirement 9 – CEMP to include detailed CLP, detailed CTMP
AS-13	ES Chapter 06: Agriculture and Soils (App Doc Ref 5.3.6) Table 5.2 - Securing Mitigation	Temporary requirement of land from farm businesses for construction of the Waterbeach pipeline results in temporary disturbance from construction traffic and short-term land severance.	**Construction Traffic Management Plan** To reduce impacts on farm businesses the Construction Traffic Management Plan includes the details of traffic management measures such as reduced speeds, signage and haul route and access points. Minimising temporary short-term impacts to farm businesses through application of the measures required by the CTMP in particular: • Section 5.2 (Temporary access points and construction road signage) which requires the use of temporary signage along all proposed construction haul roads. As a minimum this will include internal haul road speed limits, warning (hazard signs), potential vehicle or pedestrian.	Construction	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 5.2 (Temporary Access Points) and 6.3 (Adherence to Designated Routes), Construction, Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP to include detailed CLP, detailed CTMP

~~Chapter~~ location~~Securing mechanism~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
				• Section 6.3 Adherence to Designated Routes **Code of Construction Practice** Minimising access disruption and disturbance through implementation of Section 7.6 of the CoCP Part A (Traffic and Transport) and the CTMP requirement to agree temporary access through coordination with landowners, tenants and/or land agents. Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A (Application Doc Ref: Appendix 2.1, App Doc Ref 5.4.2.1,) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of temporary changes to access.			
AQ-1	ES Chapter 07: Air Quality (App Doc Ref 5.2.7), Table 5.2 - Securing Mitigation Short term emissions from **Construction Traffic Management Plan** ~~(~~ construction traffic using Management of construction vehicle movements described within the CTMP ~~)~~ (Appendix 19.7, App Doc Ref 5.4.19.7) to the public highway results in	-short term reduction in local air quality	minimise the impacts from vehicle movements in particular: • Section 6.3 Adherence to Designated Routes; • Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out within an article in the DCO. **Travel Plan** Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.	Construction	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 6.3, Adherence to Designated Routes, Construction and 6.9 Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7~~), secured through a requirement of the draft DCO~~ Outline Travel Plan (Appendix 19.9, App Doc	

~~Chapter~~ ~~location~~	Ref	~~Mitigation~~	Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
~~Chapter 07: Air Quality~~ AQ-2	~~Table 5.2 Securing Mitigation~~ ES Chapter 7: Air Quality (App Doc Ref 5.2.7), Table 5.2 - Securing Mitigation	~~Short term emissions from construction traffic using the public highway results in short term temporary instances of dust~~		~~Code of Construction Practice~~ Management of construction activities as described within the CoCP Part A (Appendix 2.1 App Doc Ref 5.4.2.1) ~~to minimise dust in particular:~~ • ~~Section 4.4 which requires the Principal Contractor(s) to produce an Air Quality/Dust Management Plan(s) before works commence on site. The Plan will be appended to or incorporated into the CEMP(s). The Plan will be appended to or incorporated into the CEMP(s); and~~ • ~~Section 7.8. (Air Quality) which requires the following general measures will be put in place to minimise dust including but not limited to:~~ – ~~Minimising the movement of construction traffic around the working area as far as possible;~~ – ~~provision of adequate water supplies for effective dust/particulate matter suppression;~~ – ~~sweeping and damping down of surfaces at regular intervals;~~	~~Management of construction vehicle movements described within the CTMP (Appendix 19.7, App Doc Ref 5.4.19.7) to minimise the impacts of vehicle movements in particular:~~ • ~~Section 6.3 Adherence to Designated Routes;~~ • ~~Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out within an article in the DCO.~~ • ~~Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.~~	Construction	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (, App Doc Ref 5.4.11~~ (CEMP) Para 4.4.4., and 7.8 Air quality ~~Code of Construction Practice (CoCP) Part A~~ (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement – 8 CoCP ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the dCEMP DCO~~ (App Doc Ref 2.1) DCO Schedule 2, Requirement 9 – CEMP to include detailed CLP, detailed CTMP, detailed AQMP DCO Schedule 2, Requirement 9 CEMP to include detailed CTMP which must accord with the construction traffic management plan
	Ref 5.4.19.9) DCO Schedule 2, Requirement – 8 CoCP		DCO Schedule 2, Requirement 9 – CEMP to include detailed CLP, detailed CTMP Requirement 9 (2)(b)(i) – CEMP to include detailed CLP Requirement 12					Operational Worker Travel Plan which must accord to measures in the outline travel plan
				– use of enclosed chutes and conveyors and covered skips; – where necessary the use of solid screens or barriers when activities will a high potential for dust generation are carried out; – removal of materials which have the potential to produce dust will from site as soon as possible, unless being re-used on site. If they are being re-used on-site, they will be covered or stored in locations where there is less potential for impact; – positioning of stockpiles as far as practicable from residential areas and at least 10 metres from watercourses where practical; and – sealing of stockpiles by means of back blading the stock pile to help reduce dust and to not promote areas for wildlife habitat.				• Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100 m of site boundary; • Carry out regular site inspections to monitor compliance with the DMP, record inspection
AQ-3	ES Chapter 7: Air Quality (App Doc Ref ~~2.1)~~ ~~Chapter 07: Air Quality~~ 5.2.7), Table 5.2 - Securing Mitigation	~~Temporary instances of dust creation from~~	~~Mitigation~~ construction activities (such as land clearance, earthworks, materials handling) leading	to impacts from construction dust ~~Management~~ **Code of ~~c~~Construction ~~activities as described within the CoCP Part A (Appendix 2.1 App Doc Ref 5.4.2.1) to minimise dust in particular:~~ Practice** • ~~Section 4.4 which requires the Principal Contractor(s) to produce an Air Quality/Dust Management Plan(s) before works commence on site. The Plan will be appended to or incorporated into the CEMP(s). The Plan will be appended to or incorporated into the CEMP(s); and~~	Section 3.2 of Part B specifies that stockpiles associated with Shaft 5 will be back bladed with the back of the excavator bucket, to shape and compact the surface of the stockpile to control dust. • ~~Section 7.8. (Air Quality) which~~Section 3.4 requires the following ~~general~~mitigation measures will be ~~put in place to minimise dust including but not limited to:~~ implemented:		

~~Chapter~~ Ref		~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism						
	results, and make an inspection log available to the local authority when asked; and • ~~Section~~Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out	and during prolonged dry or windy conditions. ~~7.8,~~ Construction (CEMP) Para 4.4.4., and 7.8 Air quality Code of Construction	Practice (CoCP) Part A (Appendix 2.1, ~~Application Document~~App Doc Ref 5.4.2.1-) ~~and an Air Quality Management Plan (secured through Section 4.4 of the CoCP Part A) secured through a requirement of the draft DCO (Application Document Ref 2.1)~~ Section 3.2 & 3.4, Transfer Tunnel CoCP Part B (Appendix 2.2 App Doc Ref 5.4.2.2)		DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP to include detailed AQMP	Requirement 9 – CEMP to include detailed AQMP
~~–~~AQ-4	ES Chapter 7: Air Quality (App Doc Ref 5.2.7), Table 5.2 – Securing Mitigation	Temporary instances of dust creation from construction activities (such as land clearance, earthworks, materials handling) leading to impacts from construction dust	**Code of Construction Practice** Section 3.4 of Part B requires following mitigation measures to be implemented: • Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100 m of site boundary; • ~~Minimising the movement of construction traffic around the working area as far as possible;~~Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked; and	Construction	Sections 4.4 (CEMP) Para 4.4.4., and 7.8 Air quality Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3.2 & 3.4, Transfer Tunnel CoCP Part B (Appendix 2.2 App Doc Ref 5.4.2.2),	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed AQMP Requirement 9 CEMP to include detailed AQMP	
~~–~~			~~provision of adequate water supplies for effective dust/particulate matter suppression;~~			
~~–~~			~~sweeping and damping down of surfaces at regular intervals;~~			
~~–~~			~~use of enclosed chutes and conveyors and covered skips;~~			
~~–~~			~~where necessary the use of solid screens or barriers when activities will a high potential for dust generation are carried out;~~			
~~–~~			~~removal of materials which have the potential to produce dust will from site as soon as possible, unless being reused on site. If they are being re-used on-site, they will be covered or stored in locations where there is less potential for impact;~~			
~~–~~			~~positioning of stockpiles as far as practicable from residential areas and at least 10 metres from watercourses where practical; and~~			
~~–~~			~~sealing of stockpiles by means of back blading the stock pile to help reduce dust and to not promote areas for wildlife habitat.~~			
	on site when activities with a high potential to produce dust are being carried out	Code of Construction	(Appendix 2.2 App Doc Ref 5.4.2.2)	Requirement 9 - CEMP to include detailed AQMP		

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~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	Securing mechanism
			• Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.					
AQ-5	ES Chapter 07: Air Quality (App Doc Ref 5.2.7), Table 5.2 - Securing Mitigation Operation of energy plant requiring continuous emissions of nitrogen oxides to air resulting in reduced local air quality	Energy plant will have suitable exhaust stack height and operate in accordance with the relevant MCPD emission limit values for energy plants which will be specified within a site-specific Environmental Permit.		Sludge Treatment Centre para 2.4.3 (App Doc Ref 5.2.2). ES Chapter 7, Table 2-19 ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement~~Design Parameters of the draft DCO (App Doc Ref 2.1)~~.~~ DCO Schedule 2 Requirement 7 - Detailed design	Operation	ES Chapter 2 Project Description Section 2.4	**Energy Plant Design** ~~Air Quality Management Plan (secured through Section 4.4 of the CoCP~~ DCO Schedule 2 - Requirement 4 – Parameters
			The Environmental Permit will include medium combustion plant directive emission limits and conditions for monitoring and reporting. ~~Part A) secured through a requirement of the draft DCO (Application~~					
~~Chapter 07: Air Quality~~B-1	ES Chapter 8: Biodiversity, Table 5.2 - Securing Mitigation	~~Operation of energy plant requiring continuous emissions of nitrogen oxides to air resulting in reduced local air quality~~ Creation and management of habitats as part of the landscape masterplan results in beneficial impacts associated with more varied and quality habitat when	**LERMP – landscape** Direct benefit ~~to be~~ LERMP (Appendix 8 • inclusion o masterplar (such as ex • ~~Energy pla in accorda energy pla Environme~~	compared to existing baseline habitats	~~DocumentB-2 Ref 2.1)~~ management measures to meet the BNG commitment which will enable replacement habitat if initial planting is not successful.			Inserted Cells Inserted Cells ~~plant directive emission limits and conditions for monitoring and reporting. Design Parameters of the draft DCO (App Doc Ref 2.1)~~Ref 5.4.8.14
	ES Chapter ~~08~~8: Section 4 Landscape, Biodiversity, Table 5.2 ~~Landscape,~~ Ecological and Recreational - Securing Mitigation -	~~Table 5.2 - Securing of the~~ landscape masterplan results in beneficial impacts ~~beneficial impacts~~ associated with more varied	Creation and management of habitats as part of the ~~Management Plan (LERMP) secured Biodiversity~~ The beneficial impact associated with the landscape masterplan will be delivered during operation through the long- term implementation of the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14):	**LERMP long term management – detailed plan preparation** ~~Direct benefit to be realised through the habitat provisions and within~~ ~~through a requirement of the draft DCO (App Doc Ref 2.1)~~	Operation Requirement 11 – LERMP Management Plan (LERMP) (Appendix 8.14, App Doc which requires that the			

~~Chapter~~ Ref	~~Mitigation~~Source document	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference ~~location~~Securing mechanism
		~~inclusion of a new mosaic of habitats within in the landscape~~ and quality habitat when compared to existing ~~masterplan intended to link to existing habitat features of value~~ baseline habitats the LERMP and will be agreed with key stakeholders~~(such as existing hedgerows and habitats as part of the CWS); and implementation of appropriate management measures to meet the BNG commitment which will enable replacement habitat if initial planting is not successful~~.	Ref 5.4.8.14 operator to prepare a detailed management and maintenance plan (secured through requirements in the DCO). This plan will be based on		
~~Chapter 08: Biodiversity~~B-2	ES Chapter 8: Biodiversity, Table 5.2 - Securing Mitigation	~~Creation and management of habitats as part of the landscape masterplan results in beneficial impacts associated with more varied and quality habitat when compared to existing~~Whilst decommissioning accidental leaks and spills during the draining and cleaning of existing tanks and or works to stop up the existing outfall could result in short term temporary impact to surface water including the river Cam	~~Design measures providing habitats are within the landscape masterplan within the LERMP.~~ **Code of Construction Practice** ~~The beneficial impact associated with the landscape masterplan will be delivered during operation through the long- term implementation of the LERMP~~Management of decommissioning activities as described within the CoCP Part A (Appendix ~~8.14App~~2.1 Doc Ref ~~5.4.8.14)~~5.4.2.1) in particular section 4.4 which requires ~~that the operator to prepare a detailed management and maintenance plan (secured through requirements in the DCO).~~the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. ~~This plan will be based on the LERMP and will be agreed with key stakeholders~~. The plans will be appended to or incorporated into the CEMP(s). Section 5.7 specifies the content of Pollution Incident Control Plan: ● plan will detail procedures to deal with any pollution incident that may occur, including notification procedures including as relevant notification of the Applicant and where applicable local authorities, along with response procedures (including	Decommissioning	Section 4.4 (CEMP) Para ~~Landscape, Ecological and Recreational~~4.4.4., Code of Construction Practice (CoCP) Part A which requires a Water Quality Management Plan (WQMP), Pollution Incident Control Plan (PICP) and Decommissioning Plan (Appendix ~~8.14~~2.1, App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ 5.4.2.1)	Requirement – 8 CoCP DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, and detailed PICP	

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~~Chapter~~ Ref ~~location~~Securing mechanism ~~Mitigation~~Source Description of impact Mitigation measure ~~Secured by number~~Phase Reference document

appropriate materials, equipment and resources, timescales and to minimise the effects.

- plan will complement and be consistent with the Emergency Preparedness Plan(s).

Section 7.5 includes measures to minimise run-off and the risk of runoff reaching ditches and watercourses.

Outline Decommissioning Plan

Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.3, App Doc Ref 5.4.2.3) and the CoCP Part A, Section 4.4 (Construction Environment Management Plan) which requires that the contractors to prepare a Decommissioning Plan

~~Chapter 08:~~ B-3 ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation

Whilst decommissioning accidental leaks and ~~Biodiversity Mitigation~~ spills during the draining and cleaning of existing tanks ~~and or works to stop up the existing outfall~~ could result in short term temporary impact to surface water including the river Cam

Code of Construction Practice

Decommissioning

Sections 4.4 (CEMP) Para 4.4.4.and 5.7 (Pollution Incident Control Plan), Code

Management of decommissioning activities as described within the CoCP ~~Approval and implementation of a Construction Environmental CoCP~~ Part A ~~and B~~ (Appendix 2.1 ~~& 2.2 App~~ Doc Ref 5.4.2.1~~, 5.4.2.2) in~~) in ~~Management Plan secured through a requirement of the draft DCO (App~~ particular section 4.4 which of Construction Practice requires the Principal Contractor(s) to ~~Doc Ref 2.1).~~ produce a Water Quality

(CoCP) Part A which

Management Plan(s), Pollution Incident

Control Plan, and risk requires a Water Quality assessments before works commence on site. ~~The~~

~~ecured through a requirement in the draft DCO (App Doc Ref 2.1~~Management Plan (WQMP), ~~to~~The

plans will be appended to or incorporated into the CEMP(s). Pollution Incident Control ~~These plans comply with the Decommissioning Management Plan~~ Plan (PICP) and

Section 5.7 specifies the content of Pollution Incident Control Plan which

Decommissioning Plan will detail procedures to deal with any pollution incident that may occur, (Appendix 2.~~3~~1, App Doc Ref including notification procedures including as relevant notification of the 5.4.2.1) Applicant and where applicable local authorities, along with response procedures (including appropriate materials, equipment and resources, timescales and to minimise the effects). The plan will complement and be consistent with the Emergency Preparedness Plan(s).

These plans will include the requirement to implement best practice measures ~~Doc Ref 5.4.2.3).~~ including:

- measures to minimise run-off and the risk of runoff ~~Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) which are secured through the requirements of the draft DCO (App Doc Ref 2.1)~~
- reaching ditches and watercourses
- measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits
- ~~S~~requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.

B-4	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Potential for accidental leaks and spills during the draining and cleaning of existing tanks and or works	**Code of Construction Practice & Decommissioning Management Plan** Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction	Construction (decommissioning of the existing Cambridge	Section 4.4 (CEMP) Para 4.4.4., Code of Construction Practice (CoCP) Part A which requires a Decommissioning	DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2 Requirement 9 (b) (xiv) -

~~Chapter~~ ~~location~~	Ref Securing mechanism	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
~~related to decommissioning. These requirements will collectively secure deliver appropriate mitigation of the decommissioning activities.~~		DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2,		Requirement 9 - CEMP to include detailed PICP, CEMP to include detailed decommissioning plan			
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~		~~Whilst decommissioning accidental leaks and spills during the draining and cleaning of~~to stop the existing ~~tanks~~outfall which could result in short term temporary impact to surface water including the river Cam	~~Management of decommissioning activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~ ~~• measures to minimise run-off and the risk of runoff reaching ditches and watercourses~~ ~~• measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits~~ ~~• requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ ~~• requirement for refuelling of machinery (used for decommissioning) to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained.~~ ~~Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction~~ Environment Management Plan)~~ which requires that the contractors to prepare a Decommissioning Plan (secured through requirements in the DCO)~~, and Section 7.5 (Water Resources and Flood Risk) (Appendix 2.1, App Doc Ref 5.4.2.1) which sets out measures to control activities related to decommissioning. ~~These requirements will collectively secure~~		~~Secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Secured through a requirement in the draft DCO (~~Plan (Appendix 2.1, App Doc Ref ~~2.1) to comply with the~~ 5.4.2.1) Decommissioning Management Plan (App Doc Ref 5.4.2.3).	

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~~Chapter~~	Ref	~~Mitigation~~Source			
Description of impact		Mitigation measure			
~~Secured by number~~	Phase	Reference document			
~~location~~	Securing mechanism				
		~~deliver appropriate mitigation of the decommissioning activities.~~			
B-5					
B-6	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impact on fish from operational of the outfall due to scour from higher flow events and from operational improvements so that effluent quality is improved	**Outfall Management and Monitoring Plan** Implementation of an outfall management and monitoring plan to include ongoing monitoring measures to identify erosion/scour of the river bank. This may trigger the need for remediation including the application of further physical interventions.	Operation	ES Chapter 8 section 2.9 Mitigation measures adopted as part of the Proposed Development (App Doc Ref 5.2.8) Outline outfall management and monitoring plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 10 - Outfall Monitoring and Management Plan which must accord with the outline Outfall management and monitoring plan
ES Chapter ~~088~~: Table 5.2 - Securing ~~Whilst decommissioning there is the potential~~ Biodiversity (App Doc ~~Mitigation~~ Ref 5.2.8), Table 5.2 - Securing Mitigation Direct and indirect impact on fish from operational of the outfall due to scour from higher flow events and from operational improvements so that effluent quality is improved **Design measures – fish mitigation** Design measures to prevent or minimise impacts to fish are:	• inclusion of a non-return valve within the outfall chamber for storm flows to prevent ingress of fish to the chamber ~~for accidental leaks and spills during the draining and cleaning of existing tanks and or works to stop~~design of the outfall to operating within the maximum volume limits which are to be similar to those from the existing outfall ~~which could result in short term temporary impact to surface water including the river Cam~~ • Operation ES Chapter 2 Project ~~Refuelling of machinery will only be undertaken within designated areas (unless expressly stated within the CEMPs which will be prepared) where spillage can be more easily contained.~~ Description Section 2.12 The Outfall 2 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13) ~~Management of decommissioning activities as described within the CoCP Part A and B (Appendix~~ES Chapter 8, Table 2.10~~,~~ (App Doc Ref ~~5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site.~~5.2.2) ~~The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~ ~~• measures to minimise run-off and the risk of runoff reaching ditches and watercourses~~			DCO Schedule 2, Requirement 7 - Detailed design
B-7 ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation indirect impact on fish (water quality) from operational of the outfall due to scour from higher flow events and from operational improvements so that effluent quality is improved	**Storm Management Design** The management of effluent quality and storm spill impacts through: • design of the process technology and storage so that operation of the is within emission limits (stricter consented limits for treated effluent and greater storm storage than the existing Cambridge WWTP) to achieve no deterioration within the River Cam • design of the proposed WWTP that allows for future process changes to accommodate future emission limit changes • design of storm storage volumes and flow rates to meet regulatory requirements; • inclusion of capacity within the proposed development to adapt to future changes in relation to storm storage provision	Operation	ES Chapter 8, Table 2.10	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO~~ (App Doc Ref ~~2.1)~~.5.2.28)	DCO Schedule 2, ~~Secured through a~~

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
		~~r~~ R e q u i r e m e n t		~~in the draft DCO (~~7 - Detailed design		App Doc Ref ~~2.1) to comply with the Decommissioning Management Plan~~4.13 Design Plans - Outfall
B-9	ES Chapter 8: Biodiversity (App Doc Ref ~~5.4.2.3).~~ 5.2.8) , Table 5.2 - Securing Mitigation					

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
				• measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • requirement for refuelling of machinery (used for decommissioning) to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained. Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction Environment Management Plan) which requires that the contractors to prepare a Decommissioning Plan (secured through requirements in the DCO), and Section 7.5 (Water Resources and Flood Risk) (Appendix 2.1, App Doc Ref 5.4.2.1) which sets out measures to control activities related to decommissioning. These requirements will collectively secure deliver appropriate mitigation of the decommissioning activities.		
Chapter 08: Biodiversity	Table 5.2 – Securing Mitigation	Direct and indirect impact on fish from operational of the outfall due to scour from higher flow events and from operational improvements so that effluent quality is improved	Design measures to prevent or minimise impacts to fish are: • inclusion of a non-return valve within the outfall chamber for storm flows to prevent ingress of fish to the chamber • design of the outfall to operating within the maximum volume limits which are to be similar to those from the existing outfall The management of effluent quality and storm spill impacts through: • design of the process technology and storage so that operation of the is within emission limits (stricter consented limits for treated effluent and greater storm storage than the existing Cambridge WWTP) to achieve no deterioration within the River Cam • design of the proposed WWTP that allows for future process changes to accommodate future emission limit changes • design of storm storage volumes and flow rates to meet regulatory requirements; • inclusion of capacity within the proposed development to adapt to future changes in relation to storm storage provision		Secured through a requirement in the draft DCO (Appendix 2.1, App Doc Ref 2.1) to prepare and implement an Outfall Management and Monitoring Plan. Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5). Approved design secured through Environmental Permit (Flood Risk Activities)	
B-8	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on badgers due to direct interface with habitat (including closure of outlier sett) and the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in close proximity to setts	**Measures in draft licence** Direct and indirect impacts related to works to affecting badger will be through application of the mitigation measures in line with agreed Natural England licence conditions will be carried out (Draft Licence included Appendix 8.21, App Doc Ref 5.4.8.21) which requires the following: • provision of a tool-box talk by the suitably experienced ecologist; • completion of pre-works checks; • checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals; securing of areas to prevent access by badger.		Draft Natural England Mitigation Licence (App Doc Ref 5.4.8.21)	DCO Schedule 2 Requirement – 8 CoCP Natural England Mitigation Licence

~~Chapter location~~Securing mechanism **Ref** **~~Mitigation~~Source** **Description of impact** **Mitigation measure** **~~Secured by number~~Phase** **Reference document**

~~Chapter 08: Biodiversity~~ ~~Table 5.2 - Securing Mitigation~~ Direct and indirect impacts on badgers due to direct interface with habitat (including closure of outlier sett) and the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in close proximity to setts

~~Direct and indirect impacts related to works to affecting badger will be through application of the mitigation measures in line with agreed Natural England licence conditions will be carried out (Draft Licence included Appendix 8.21, App Doc Ref 5.4.8.21) which requires the following:~~

- ~~provision of a tool-box talk by the suitably experienced ecologist~~
- ~~completion of pre-works checks;~~

~~Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)] and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill).~~

- ~~checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals;~~

- completion of pre-works checks (including areas not covered by licence);
- checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals

- ~~securing of areas to prevent access by badger.~~Code of Construction Practice

In addition to licence requirement the management of construction activities as described within the CoCP Part A and B (Appendix 2.1m App Doc Ref 5.4.2.1) in section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts including to ecological features. The CEMP will include requirements to apply best practice measures (including to locations not covered by the licence) during construction to prevent impacts to badger including:

~~Chapter~~ Ref location	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~	~~Direct and indirect impacts on bats (lighting and habitat related) due to the combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity~~	~~Direct and indirect impacts related to works to affecting bat habitat will be through application of the mitigation measures in line with agreed Natural England licence conditions (Draft Licence included Appendix 8.20, App Doc Ref 5.4.8.20) which requires the following:~~ ~~• the use of wildlife sensitive lighting design as outlined in the draft Licence (Appendix 8.20, App Doc Ref 5.4.8.20 such as <2700K, directional only with no upward orientation or light spill); and~~ ~~minimising severance of hedgerows and use of translocation of hedgerows to provide commuting habitat and foraging opportunities~~ ~~Management of construction impacts to terrestrial habitats that may affect bat population will be through further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 &5.4.2. 2). These will be set out in the CEMP related to the specific works activity:~~ ~~• Any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority.~~ ~~• In locations of retained hedgerow there shall be consideration of additional "thickening" to promote habitat connectivity for bats, in particular making use of existing hedgerow removed during construction. Any works to hedgerow would be under the supervision of a suitably experienced ecologist~~ ~~Enhancement roost feature installation by mounting woodcrete type bat boxes suitable for a range of bat species to use, upon appropriate~~ • securing of areas to prevent access by badger	~~Natural England Mitigation Licence~~ ~~Section 7.2, CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Decommissioning Management Plan (Appendix 2.3, App Doc Ref 5.4.2.3).~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	Construction	Sections 4.4 (CEMP) Para 4.4.4., 5.9, (Lighting), and 7.2, (Ecology and Nature Conservation) Code of Construction Practice (~~Section 7.2,~~ CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO~~ Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) Section 3.3, Waterbeach pipeline CoCP Part B (Appendix 2.~~1~~2, App Doc Ref ~~2.1)~~

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	Securing mechanism
							~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
B-10	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	indirect impacts on badgers due to direct interface with habitat (including closure of outlier sett) and the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in close proximity to setts	**Lighting Strategy** Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)] and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill)~~.~~	Construction	Sections 4.4 (CEMP) Para 4.4.4., 5.9, (Lighting), and 7.2, (Ecology and Nature Conservation) Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)	DCO Schedule 2 Requirement 14 – Construction lighting	~~Natural England Mitigation Licence~~
B-11	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on bats (lighting and habitat related) due to the combination of temporary construction noise, use of temporary lighting, land	**Measures in Draft Licence (Bats)** Direct and indirect impacts related to works to affecting bat habitat will be through application of the mitigation measures in line with agreed Natural England licence which requires the following: • the use of wildlife sensitive lighting design as outlined in the draft Licence (Appendix 8.20, App Doc Ref 5.4.8.20 such as	Construction	Draft Natural England Mitigation Licence (App Doc Ref 5.4.8.20)	DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2 Requirement 9- CEMP	

~~Chapter 08: Table 5.1 Summary Direct and indirect impacts on bats (roosts)~~

5.4.2.2)

DCO Schedule 2 Requirement – 8 CoCP

DCO Schedule 2 Requirement 9- CEMP

Chapter by number Phase	Ref	Mitigation Source Reference document	Description of impact location Securing mechanism	Mitigation measure	Secured
Biodiversity			of biodiversity effects due to the combination of noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats	<2700K, directional only with no upward orientation or light spill); and (Enhancement roost feature installation; early planting of larger specimen trees and hedgerow plants; thickening of hedgerows. Direct and indirect impacts related to works to affecting bat roosts will be through application of mitigation measures in line with Natural England licence conditions (Draft Licence included Appendix 8.202.5, App Doc Ref 5.4.8.20) which requires the following; trees within the landscape masterplan; early planting of larger specimen trees and hedgerow plants within the landscape masterplan to provide vegetative features for commuting linkages and foraging resources as soon as possible; and thickening of hedgerows along the boundaries of the landscape masterplan area as appropriate, with native species plantings to enhance commuting linkages for bats to use. • provision of a tool-box talk by the licenced bat ecologist; • completion of pre-works checks for works areas prior to the start of the works; • timing the works at identified roost locations to be outside of the hibernation period (where hibernation suitability has been discerned); • installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to disturbing works commencing, to facilitate continued opportunities for bats to roost; • use of wildlife sensitive lighting design as outlined in the Natural England licence; and • minimising severance of hedgerow	Lighting Design Strategy DCO Schedule 2 Requirement 14 – 5. 5) d r e i n s t a t e m e n t o f u s e o f t r a n s l o c a t i o n o f
Chapter 08: Biodiversity	Table 5.2 – Securing Mitigation		Direct and indirect impacts on bats (roosts) due to the combination of noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats	Mitigation measures in line with agreed Natural England licence conditions will be carried out (Draft Licence included Appendix 8.22, App Doc Ref 5.4.8.22): • Provision of a tool-box talk by the licenced bat ecologist; • Completion of pre-works checks for works areas prior to the start of the works; • Timing the works at identified roost locations to be outside of the hibernation period (where hibernation suitability has been discerned); and • Installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to disturbing works commencing, to facilitate continued opportunities for bats to roost.	Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1) Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1) Natural England Mitigation Licence
				4. 2. o w s a n	

~~Chapter~~ by number	Ref	~~Mitigation~~Phase	Source Reference document	Description of impact ~~location~~	Mitigation measure Securing mechanism	~~Secured~~
		Construction lighting hedgerows to provide commuting habitat				
	B-12		ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts on bats (lighting and habitat related) due to the combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity	**Code of Construction Practice** Management of construction impacts to terrestrial habitats tha affect bat population will be through further measures as desc within the CoCP Part A and B (~~Appendix 2.1 & 2.2,~~ App Doc Ref &~~5.4.2.~~ 2). These will be set out in the CEMP related to the spe activity: • Any planting as part of the Proposed Development wh becomes seriously damaged or diseased within five ye completion of construction will be replaced in the firs planting season with stock of the same species and siz originally planted unless otherwise agreed with the Lo Planning Authority. • In locations of retained hedgerow there shall be consi additional "thickening" to promote habitat connectivi in particular making use of existing hedgerow remove construction. Any works to hedgerow would be under supervision of a suitably experienced ecologist Management of lighting through the Lighting Design Strategy (2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Ligh (Appendix 2.1 App Doc Ref 5.4.2.1) which requires that the con incorporate a strategy for temporary lighting into the CEMP(s) through requirements in the DCO), which will collectively secu appropriate mitigation of light during construction. This strate requirements for the use of wildlife sensitive lighting (<2700K, only with no upward orientation or light spill).	
	B-13		ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts on bats (lighting and habitat related) due to the combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats	**LERMP – habitats** Enhancement roost feature installation by mounting woodcret boxes suitable for a range of bat species to use, upon appropri within the landscape masterplan; early planting of larger speci and hedgerow plants within the landscape masterplan to prov vegetative features for commuting linkages and foraging resou soon as possible; and thickening of hedgerows along the boun the landscape masterplan area as appropriate, with native spe plantings to enhance commuting linkages for bats to use.	
	B-14		ES Chapter ~~0~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on bats (roosts) due to the combination of noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats	~~Mitigation M~~**easures within the draft licence** • Provision of a tool-box talk by the licenced bat ecolog • Completion of pre-works checks for works areas prior of the works; • Timing the works at identified roost locations to be ou the hibernation period (where hibernation suitability discerned); and	
					~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14,~~	

~~Chapter~~ by number	Ref	~~Mitigation~~Phase	Source Reference document	Description of impact	~~location~~	Mitigation measure Securing mechanism	~~Secured~~
				~~App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~			

~~Chapter Mitigation Description of impact Mitigation measure Secured by number location~~

			• Installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to disturbing works commencing, to facilitate continued opportunities for bats to roost.		
B-15	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - ~~Biodiversity~~Securing ~~-~~Mitigation	~~Table 5.2 Securing~~ Direct and indirect impacts on breeding birds	~~-~~Best practice measures in section 7.2 to operate in compliance with the 1981 Act: ~~•~~• pre works check by suitably experienced ecologist; ~~•~~• avoidance of nesting bird season as appropriate to species found; and ~~•~~ clearance activities completed in accordance with approved methods	**Code of Construction Practice** DCO Schedule 2 ~~through a R~~requirement ~~of the draft DCO (App Doc Ref 2.1) –~~ 8 CoCP ~~-~~Requirement 9- CEMP	(Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured~~
Construction	Section 4.4 (CEMP) Para 4.4.4., and 7.2 (Ecology and Nature Conservation) in Code of Construction ~~Section 7.2,~~ Practice (CoCP) Part A				
~~Chapter 08: Biodiversity~~	~~Table 5.2 Securing Mitigation~~	~~Direct and indirect impacts on breeding birds (proposed WWTP access road and landscape masterplan area)~~	~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to birds including best practice measures applied during construction to:~~ ~~• complete pre works check by suitably experienced ecologist;~~ ~~• avoid the nesting bird season as appropriate to any species found; and~~ ~~• complete clearance activities completed in accordance with approved methods~~ ~~Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce Birdstrike Hazard Management Plan before works commence on site. The plan will be appended to or incorporated into the CEMP(s). It will incorporate measures that~~ ~~• set out the required monitoring for changes to bird assemblages~~ ~~• measures to prevent increase risk of attracting species of birdstrike concern~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Requirement to prepare Wildlife Hazard Management Plan in accordance with the Wildlife Hazard Management Plan which is secured through a requirement in the draft DCO (Appendix 8.18, App Doc Ref 5.4.8.18)~~ ~~App Doc Ref~~	
			~~Design measures to include trees and woodland, scrub, grassland and seasonal ponds within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14) to provide suitable habitat for a variety of bird species. Grassland seed mixes will incorporate grass and forb species to support a range of birds, including turtle doves. A range of bird nest boxes will be installed on suitable retained trees.~~	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	
~~Chapter 08: Biodiversity~~	~~Table 5.2 Securing Mitigation~~	~~Direct and indirect impacts on ditch macrophytes~~	~~Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) to minimise impacts to water and land, in particular:~~ ~~Section 4.4 which requires the Principal Contractor(s) to produce a~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental~~	

~~Chapter~~ number	Ref	~~Mitigation~~ location	Source	Description of impact	Mitigation measure	~~Secured by~~	
B-16	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on breeding birds (proposed WWTP access road and landscape masterplan area)	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A ~~and B~~ (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to birds including best practice measures in section 7.2 applied during construction to: ● complete pre works check by suitably experienced ecologist; ● avoid the nesting bird season as appropriate to any species found; and ● complete clearance activities completed in accordance with approved methods -Management of construction activities as described within the CoCP Part A (-Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce Birdstrike Hazard Management Plan before works commence on site. The plan will be appended to or incorporated into the CEMP(s). It will incorporate measures that ● set out the required monitoring for changes to bird assemblages ● measures to prevent increased risk of attracting species of birdstrike concern.	Construction	Section 4.4 (CEMP) Para 4.4.4., 5.15 (Cambridge Airport), and 7.2 (Ecology and Nature Conservation) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Outline Wildlife Hazard Management Plan (Appendix 8.18, App Doc Ref 5.4.8.18)	~~DCO (App Doc Ref 2.1)~~ DCO Schedule 2 Requirement – 8 CoCP Requirement 9- CEMP to include a detailed wildlife hazard management plan which must accord with the measures set out in the wildlife hazard management plan	
B-17	ES Chapter 8: Figure 3.9 and Figure 3.10 Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on breeding birds (proposed WWTP access road and landscape masterplan area)	**Landscape Masterplan** Design measures include: ● trees and woodland, scrub, grassland and seasonal ponds within the land required for the landscape masterplan contained with 8.14, App Doc Ref 5.4.8.14~~) which is secured through a requirement in the draft~~ the LERMP to provide suitable habitat for a variety of bird species. ● grassland seed mixes will incorporate grass and forb species to support a range of birds, including turtle doves. ● a range of bird nest boxes will be installed on suitable retained trees.	Construction and Operation	Landscape, Ecological and Recreational Management ~~Plan (Appendix~~ Plan (LERMP) (Appendix	DCO Schedule 2 Requirement 11 -LERMP	

~~Chapter~~ document	Ref	~~Mitigation~~location	Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference
~~B~~-18	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on ditch macrophytes	ure CoC	**nstruction Practice** which requires the Principal Contractor(s) to produce a Water nagement Plan(s) and Pollution Incident Control Plan, and risk s before works commence on site. The plans will be o or incorporated into the CEMP(s). These will incorporate ~~the CoCP in particular~~ : ction 7.5. (Water Resources and Flood Risk) which requires a ies of general measures to be put in place to avoid and nimise impacts to surface water including but not limited to: best practice measures applied for management of leaks and spillages to prevent runoff reaching controlled waters limiting works to within 8 m of any watercourse or waterbody (other than for watercourse crossings, drainage/ecological mitigation works). Greater buffer distances may be required for the protection of protected species; identification of watercourses and land drains before construction works in that area commence and regularly checked for signs of silt. checking of excavation plant prior to use at open cut watercourse crossings to ensure it is in a sound condition and free of potentially contaminating materials; where possible, concrete lorries will return to their supplier or batching plant for wash out. Concrete wash out skips if required on site will be lined and located at least than 50 metres from a borehole or 10 metres from a watercourse or surface water drain. They will be placed on hardstanding or on the ground with plastic and membrane containment and clearly marked to avoid cross contamination. Any wash out areas within the working areas will be inspected weekly by the Site Manager to ensure there are no leaks or overflows. The pH of the wash out water will also be monitored; where needed the use of suitable concrete mixes in watercourses; surface water drainage around any batching plants will be controlled. where required adequate dewatering will be undertaken during excavation activities or construction of subsurface features and foundations (see the section on Dewatering below). Construction techniques may also be reviewed to determine whether an alternative approach is more appropriate. Following completion of in channel	Construction	Sections 4.4 (CEMP) Para 4.4.4., 5.13 (River works), 7.2, (Ecology and Nature Conservation), and 7.5, (Water resources and flood risk) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	~~Management Plan secured through~~DCO Schedule ~~a~~2 ~~r~~Requirement ~~of the draft DCO (App Doc Ref 2.1), 8~~ CoCP ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Requirement 9- CEMP DCO Schedule 2 Requirement 10 – OMMP ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~	Inserted Cells Inserted Cells Inserted Cells Inserted Cells Inserted Cells

~~Chapter~~	Ref	~~Mitigation~~Source document	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference ~~location~~Securing mechanism
			works, the channel will be cleared of debris/materials, the natural bed reinstated. Management of silt during construction including ~~meeting requirements of regulatory position statement (RPS) completion of works affecting watercourses and flood defences in accordance with the requirements of the relevant regulatory authority (Lead Local Flood Authority/Environment Agency/Internal Drainage Board).~~			

~~Chapter~~	Ref document	~~Mitigation location~~	Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference
					meeting requirements of regulatory position statement (RPS) – completion of works affecting watercourses and flood defences in accordance with the requirements of the relevant regulatory authority (Lead Local Flood Authority/Environment Agency/Internal Drainage Board). – requirement for all necessary consents and licences will be applied for and obtained from the relevant regulatory authority prior to the relevant works commencing on site.			
B-193	ES Chapter ~~08~~8: **Outfall Design** Biodiversity (App Doc Ref 5.2.8), Table 5.2 - ~~Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to ecological features, surface water, and impacts from the generation of noise. The best practice measures applied during construction in relation to fish are:~~	~~Table 5.2 Securing~~ on ditch ~~Mitigation~~ macrophytes	Direct and indirect impacts ~~on ditch~~ ~~Mitigation~~ ~~macrophytes~~ during of the design. This will be in the form of rip rap bed protection and steel	Design to incorporate bank and bed protection will be provided as part		Securing Mitigation	Operation	
Operation	ES Chapter 2 Project Description Section 2.12 The Outfall 2 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13)							
	▲ ~~CoCP Part A, Section 7.2, Ecology and nature conservation, in respect Riparian and Aquatic Habitats specifically:~~ ES Chapter 8, Table 2.10							

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~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document Securing mechanism
	~~leaving bank and any aquatic vegetation in place for as long as practicable~~					
B-20	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on fish due to the combination of noise, the use of temporary lighting and works directly within and adjacent to the river and the potential shortterm change in water quality from dewatering, run-off and from testing and commissioning activities	**ıstruction Practice** ːctice measures applied during construction are: ːtion 7.2, Ecology and nature conservation, in respect ːparian and Aquatic Habitats specifically: leaving bank and any aquatic vegetation in place for as long as practicable removing the channel bed material prior to the excavation of the trench, storing the material ~~-~~separately material separately and replacing it once construction works are complete to promote rapid colonisation of the area by aquatic invertebrates and aquatic plants maintaining the flow downstream of the crossing point ~~-~~where possible completing works between August and October and/ or during low flow conditions to protect potential fish spawning or nursery sites CP Part A, Section 7.5, Surface water and flood risk which ~~inc~~ludes a number of measures to be reflected within the ~~co~~nstruction Water Quality Management Plan (WQMP) ~~ap~~ended to/as part of the CEMP, including requirements to: ~~-~~minimise the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidences; and ~~-~~manage dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering	Construction	Sections 4.4 (CEMP) Para 4.4.4., 5.13 (River work), 7.2, (Ecology and Nature Conservation), 7.5 (Water resources and flood risk), and 7.7 (Noise and vibration) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) CoCP Part B Section 3.3 (Appendix 2.1, App Doc Ref 5.4.2.2) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5). Commissioning Plan (Appendix 2.4, App Doc Ref 5.4.2.4).	DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2 Requirement 9- CEMP DCO Schedule 2 Requirement 10 – OMMP
	~~maintaining the flow downstream of the crossing point~~ ~~where possible completing works between August and October and/ or during low flow conditions to protect potential fish spawning or nursery sites~~ (App Doc Ref 5.2.28) ~~CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:~~ ~~minimise the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidences; and~~ ~~manage dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~				~~CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration~~		

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~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism					
		~~Management Plan (NVMP) appended to/as part of the CEMP.~~			
~~Chapter 08: Biodiversity~~	~~Table 5.1 Summary of biodiversity effects~~	~~Direct and indirect impacts on fish due to the combination of noise, the use of temporary lighting and works directly within and adjacent to the river and the potential short-term change in water quality from dewatering, run-~~	~~Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to ecological features, surface~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App~~	
DCO Schedule 2, Requirement 7 - Detailed design					
			effluent prior to discharge and control of dewatering discharges to prevent scour ~~CoCP Part A,~~ Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP.		
B-21	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on fish due to the combination of noise, the use of temporary lighting and works directly within and adjacent to the river and the potential short-term change in water quality from dewatering, run-off and from testing and commissioning activities	**Lighting Strategy** ~~Section 7.2,~~ CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured~~ requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s), which will collectively secure deliver appropriate mitigation of light during construction.~~through a~~ This strategy includes requirements ~~of~~for the ~~draft DCO (App Doc Ref 2.1)~~ use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill).		
			~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~		

~~Chapter~~ Ref ~~location~~Securing mechanism	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
	~~off and from testing and commissioning activities~~	~~, and impacts from the generation of noise. The best practice ures applied during construction in relation to fish are:~~ ~~CoCP Part A, Section 7.2, Ecology and nature conservation, in respect Riparian and Aquatic Habitats specifically:~~ ~~– leaving bank and any aquatic vegetation in place for as long as practicable~~ ~~– removing the channel bed material prior to the excavation of the trench, storing the material separately material separately and replacing it once construction works are complete to promote rapid colonisation of the area by aquatic invertebrates and aquatic plants~~ ~~– maintaining the flow downstream of the crossing point~~ ~~– where possible completing works between August and October and/ or during low flow conditions to protect potential fish spawning or nursery sites~~ ~~CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:~~ ~~– minimise the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidences; and~~ ~~– manage dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~ ~~CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP.~~ ~~Part A (Appendix 2.1, App Doc Ref 5.4.2.1) requires that the actors incorporate a strategy for temporary lighting into the (s) (secured through requirements in the DCO), which will tively secure deliver appropriate mitigation of light during uction. This strategy includes requirements for the use of wildlife ive lighting (<2700K, directional only with no upward orientation t spill).~~ ~~Doc Ref gement of commissioning activities through application of ures within the outline Commissioning Plan (Appendix 2.5, App 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction~~	~~Doc Ref 2.1).~~ ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Commissioning Plan (Appendix 2.4, App Doc Ref 5.4.2.4).~~		

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
			~~nment Management Plan), and Section 7.5 (Water Resources and Risk) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the ~~ ~~ctors to prepare a Commissioning Plan~~ ~~(secured through~~		

~~Chapter~~	~~Mitigation~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by number~~	~~location~~			
			(Appendix 2.1, App Doc Ref 5.4.	(Appendix 2.1, App Doc Ref 5.4.2.2)			Requirement – 8 CoCP	Requirement 14 – Construction
Construction	Section 4.4 (CEMP) Para			Lighting Design Strategy (Appendix 2.5, App Doc Ref			DCO Schedule 2 Requirement 9- CEMP	
B-22	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on fish due to the combination of noise, the use of temporary lighting and works directly within and adjacent to the river and the potential shortterm change in water quality from dewatering, run-off and from testing and commissioning activities	**Commissioning Plan** Management of commissioning activities through application of management plans, Section 8 (Appendix 2.5, App Doc Ref 5.4.2.5), and the CoCP Part A, Section 4.4 (Construction Environment Management Plan), and Section 7.5 (Water Resources and Flood Risk) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors to prepare a Commissioning Plan	Construction	Sections 4.4 (CEMP) Para 4.4.4., and 7.2, (Ecology and Nature Conservation), and 7.5, (Water resources and flood risk) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Commissioning Plan (Appendix 2.4, App Doc Ref 5.4.2.4).	DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2 Requirement 9- CEMP a detailed commissioning plan where the relevant phase includes commissioning which must accord with the outline commissioning plan
		2.1)		5.4.2.5).			DCO Schedule 2 Requirement 10 – OMMP	lighting
	4.4.4., Code of Construction Practice (CoCP) Part A		CoCP Part B Section 3.3	DCO Schedule 2			DCO Schedule 2	
B-23	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation ~~Chapter 08: Table 5.1 Summary~~	Direct and indirect impacts to otter due to ~~the~~ construction within and adjacent to ditches, and the ~~Biodiversity of biodiversity effects~~ combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the r~~R~~iver Cam which could affect normal behaviour patterns resulting in diminished population **Code of Construction Practice** ~~requirements in the DCO), which will collectively secure deliver appropriate mitigation of the wet commissioning activities.~~ Management of construction activities as described within the CoCP Part A and B ~~(Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2)~~ in particular section 4.4 Part A which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts to ecological features including best practice	measures applied during construction to: • sensitive construction methodologies to include securing of areas to prevent access by otter; • pre works checks for protected species by a suitably qualified ecologist;						

~~Chapter~~ ~~location~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
	• implement ~~B~~best practice measures in relation to the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Construction (CEMP) Para	Control of Pollution (Oil Storage) (England) Regulations 2001 and Construction	4.4.4., 5.13 (River work) 7.2 (Ecology and Nature Conservation), 7.5 (Water resources and flood risk), and 7.7(Noise and vibration0 in Code of Construction Practice Sections 4.4 (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) CoCP Part B Section 3.3	(Appendix 2.1, App Doc Ref 5.4.2.2) DCO Schedule 2 Requirement – 8 CoCP DCO Schedule 2	Requirement 9- CEMP DCO Schedule 2 Requirement 10 – OMMP
~~Chapter 08: Biodiversity~~	~~Table 5.2 – Securing Mitigation~~	~~Direct and indirect impacts to otter due to construction within and adjacent to ditches, and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam which could affect normal behaviour patterns resulting in diminished population~~	~~As for measures related to impacts to water vole plus the following.~~ ~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts to ecological features including best practice measures applied during construction to:~~ ~~• adopt sensitive construction methodologies to include securing of areas to prevent access by otter; and~~ ~~• complete pre-works checks for protected species by a suitably qualified ecologist;~~ ~~• implement measures in relation to the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ ~~Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)] and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1), which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill (thereby providing a night time safe transit route for otter).~~	~~The Environmental Permit will set out conditions relating the discharge limits and its monitoring and reporting.~~ ~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Water Quality Management Plan, and (secured through Section 4.4 of the CoCP Part A) secured through a requirement of the draft DCO (Application Document Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		

~~▲~~ Dangerous Substances and Explosive Atmospheres Regulations 2002.

Chapter Ref MitigationSource
Description of impact Mitigation measure
Secured by numberPhase Reference document
locationSecuring mechanism

B-24	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts to otter due to construction within and adjacent to ditches, and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam which could affect normal behaviour patterns resulting in diminished population	**Lighting Design Strategy** Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)] and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1), which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill (thereby providing a night time safe transit route for otter).	Construction	Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)] CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a ,	DCO Schedule 2 Rrequirement – 8 CoCP DCO Schedule 2 Requirement 9- CEMP DCO Schedule 2 Requirement 14 – Construction lighting

Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)

Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).

B-25 ES Chapter 088: Table 5.2 - Securing Direct and indirect impacts on reptiles Code Management **of** eC**onstruction** activities as described within the CoCPPractice
Biodiversity (App Doc on reptiles during Mitigation Part A and B (Appendix 2.1 & 2,2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the

Principal Contractor(s) to produce a CEMP setting out measures for the
Ref 5.2.8), Table 5.2 - construction prevention of impacts to ecological features including best practice
Securing Mitigation measures applied during construction to:

- complete pre works checks by suitably experienced ecologist
- complete clearance activities in accordance with approved methods
- to translocate reptiles potentially affected by the works
- to reinstatement of land temporarily used for construction

Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) in particular Ssection 7.2

(Ecology and Nature Conservation) which requires the Principal Contractor(s) to produce a Reptile Mitigation Strategy before works commence on site. It is proposed that the impact upon reptiles be mitigated through a combination of:

- the use of reptile fencing (around the proposed WWTP),

the practice of sensitive

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
	~~location~~Securing mechanism					
			nce and management including hard searches as appropriate ~~•~~ local translocation. ~~•~~ the provision of reptile specific 'tool-box talk' to site staff prior to any work being carried out. ~~•~~ the use of staged cuts in a directional manner, as guided by the ECoW or other suitably experienced ecologist identified by the ECoW ~~Design measures to include a mosaic of suitable habitats (bare areas, grassland, scrub, seasonal ponds) along with reptile hibernacula within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14) to~~		(Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Section 3 CoCP Part B ((Appendix 2.2, App Doc Ref 5.4.2.2) ~~secured through~~ DCO Schedule ~~a~~2 ~~r~~ Requirement ~~of the draft DCO (App Doc Ref 2.1) –~~ 8 CoCP	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ DCO Schedule 2 Requirement 9- CEMP
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~	~~Direct and indirect impacts on river macrophytes~~	~~Best practice measures applied during construction to minimise the risk of runoff reaching controlled waters (ditches and watercourses).~~ ~~Best practice measures applied for management of dewatering including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour.~~ ~~Inclusion of embedded 'Green' engineering features within river bank protection works.~~ ~~Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out provide suitable habitat for reptiles.~~		~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~		
Construction	Sections 4.4 (CEMP) Para 4.4.4., and 7.2, (Ecology and Nature Conservation) in Code of Construction ~~Section 7.2,~~ Practice (CoCP) Part A				~~Approval and implementation of a CEMP secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Reptile Management Strategy secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
B-26	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts on reptiles in operation	~~measures for the prevention of impacts to ecological features, surface water, and impacts from the generation of noise. The best practice measures applied during construction in relation to fish are:~~ ~~• CoCP Part A, Section 7.2, Ecology and nature conservation, in respect Riparian~~		Operation	Figure 3.1 within the Landscape, Ecological and Recreational Management Plan (~~Appendix 8.14,~~ App~~App~~ Doc Ref 5.4.8.14~~)~~	DCO Schedule 2 Requirement 11 – LERMP

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~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
		~~and Aquatic Habitats specifically:~~ ~~leaving bank and any aquatic vegetation in place for as long as practicable~~ ~~removing the channel bed material prior to the excavation of the trench, storing the material separately and replacing it once construction works are complete to promote rapid colonisation of the area by aquatic invertebrates and aquatic plants~~ ~~maintaining the flow downstream of the crossing point where possible completing works between August and October and/or during low flow conditions to protect potential fish~~			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
				~~spawning or nursery sites~~ • ~~CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:~~ ~~minimise the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidences; and~~ ~~manage dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~ • ~~CoCP Part A, Section 7.7, Noise and~~			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
			~~vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration~~	**Landscape Masterplan - Habitats** ~~Management Plan (NVMP) appended to/as part of the CEMP~~Design measures to include a mosaic of suitable habitats (bare areas, grassland, scrub, seasonal ponds) along with reptile hibernacula within the land required for the landscape masterplan contained with the to provide suitable habitat for reptiles.			
B-27	ES Chapter ~~088~~: Biodiversity	~~Table 5.2 - Securing~~ Direct and indirect impacts ~~on Stow-cum-Quy Mitigation Fen SSSI during construction due to, run-off, water logging and contamination from leaks and spills and air emissions.~~	on river macrophytes	**Code of Construction Practice** Construction Sections 4.4 (CEMP) Para 4.4.4., and 7.2, (Ecology and Biodiversity (App Doc		DCO Schedule 2 Requirement – 8 CoCP	

~~Chapter Mitigation Description of impact Mitigation measure Secured by number location~~

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
	Ref 5.2.8), Table 5.2 - Securing Mitigation		S e measures applied during construction to minimise the risk aching controlled waters (ditches and watercourses). e measures applied for management of dewatering including vatering effluent prior to discharge and control of dewatering o prevent scour. • embedded 'Green' engineering features within river bank ~~prot~~ which requires the Principal Contractor(s) to produce a will include setting out measures for the prevention of ecological features, surface water, and impacts from the ecti of noise. The best practice measures applied during urks in relation to fish are: CP Part A, Section 7.2, Ecology and nature conservation, in espect Riparian and Aquatic Habitats specifically: • ~~–~~ leaving bank and any aquatic vegetation in place for as long as practicable ~~–~~ removing the channel bed material prior to the excavation of the trench, storing the material separately and re replacing it once construction works are complete to promote rapid colonisation of the area by – aquatic invertebrates and aquatic plants ~~–~~ – ~~–~~ maintaining the flow downstream of the crossing point ~~–~~ ~~–~~ where possible completing works between August and October and/or during low flow conditions to protect potential fish spawning or nursery sites – ~~CoCP~~CP Part A, Section 7.5, Surface water and flood risk which ~~inc~~ludes a number of measures to be reflected within the ~~co~~ – nstruction Water Quality Management Plan (WQMP) ~~ap~~ pended to/as part of the CEMP, including requirements to: ~~–~~ minimise the risk of runoff reaching Co controlled waters (ditches and watercourses) to inc prevent pollution incidences; and co ~~–~~ manage dewatering to meet ap requirements of the Environment Agency regulatory – position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating – dewatering effluent prior to discharge and control of dewatering discharges to prevent scour CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures – are to be reflected within the Noise and Vibration		Nature Conservation), and 7.5, (Water resources and flood risk) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 9- CEMP DCO Schedule 2 Requirement 14 – Construction lighting DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, a detailed PICP, Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.

~~Chapter~~ by number	Ref	Phase	Reference document	~~Mitigation~~ location	Source	Description of impact	Mitigation measure	~~Secured~~ Securing mechanism
							Management Plan (NVMP) appended to/as part of the CEMP.	

~~Chapter~~ location~~Ref~~Securing mechanism	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
B-28	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on Stow-cum-Quy Fen SSSI during construction due to, run-off, water logging and contamination from leaks and spills and air emissions.	**Code of Construction Practice** Section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: ● measures to minimise run-off and the risk of runoff reaching ditches and watercourses ● management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour. ● measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits ● requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. ● requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained Application of measures to manage drilling fluid break out as defined within the CoCP Part A section 7.4. The management of air quality as set out within Section 7.8 of the CoCP Part A, Air quality, sets out a framework for the control of air quality during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an Air Quality/Dust Management Plan (AQMP) appended to/as part of the CEMP. This includes the following general measures to be will put in place to minimise emissions and avoid nuisance: ● ~~–~~ the engines of all vehicles and plant onsite will be turned off when not in use; ● ~~–~~ the use of low emission vehicles and plant as far as possible; and ● ~~–~~ the movement of construction traffic around the working area will be minimised as far as possible	Construction	Sections 4.4 (CEMP) Para 4.4.4., 7.2 (Ecology and Nature Conservation), 7.4 (Land quality), 7.5 (Water resources and flood risk), 7.7(Noise and vibration, 7.8 (Air quality) in Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, a detailed PICP
B-29	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on terrestrial ~~particular s~~	**Landscape Masterplan – Design** ~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in ection 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will~~			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
	~~include the requirement to implement best practice measures including:~~Design measures to minimise ~~run-off and the risk of runoff reaching ditches and watercourses~~ loss of terrestrial habitat that may support						

~~Chapter~~	Ref ~~location~~	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	Securing mechanism
				~~Sections 7.4, 7.5 and 7.9,, 7.11, 7.12 CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~				

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	Securing mechanism

Cambridge Waste Water Treatment Plant Relocation Project
Mitigation Tracker

~~Chapter~~ location	Ref	~~Mitigation~~	Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	Securing mechanism

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism					

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	Securing mechanism

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document

~~Chapter~~ Ref ~~Mitigation~~Source Description of impact Mitigation measure ~~Secured by number~~Phase Reference document ~~location~~Securing mechanism

~~avoid nuisance;~~

- ~~the engines of all vehicles and plant on site will be turned off when not in use;~~
- ~~the use of low emission vehicles and plant as far as possible; and~~
- ~~the movement~~

~~Chapter~~ ~~location~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
							Recreational Management Plan (App Doc Ref 5.4.8.14
		invertebrates due to direct interface with habitat and the combination of noise, use of temporary lighting, land clearance, excavation, Operation	invertebrate populations includes retaining the existing ditch with hedgerow within the land required for the landscape masterplan contained with the LERMP. Figure 3.1 within the				Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management
		and presence of people in proximity	The landscape masterplan includes a topographical and habitat variability to support some invertebrate species (e.g. mining bees) within "bee bank" bare earth patches.	Landscape, Ecological and Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14			
~~Chapter 08: Biodiversity~~ B-30	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on ~~terrestrial invertebrates due to direct interface with habitat and the combination of noise, use of temporary lighting, land clearance, excavation, and presence of people in proximity~~water quality within the River Cam CWS Temporary works within the river bed during the construction of the treated effluent discharge outfall to the River Cam reduce water quality in the River Cam CWS	~~Best practices measures applied in relation to wildlife sensitive lighting design and as outlined in the Natural England licence.~~ ~~Design measures to minimise loss of terrestrial habitat that may support invertebrate populations includes retaining the existing ditch with hedgerow within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14). The landscape masterplan includes a topographical and habitat variability to support some invertebrate species (e.g. mining bees) within "bee bank" bare earth patches.~~ **Code of Construction Practice** Management of construction activities ~~will be through measures~~ as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 Part A which requires the Principal Contractor(s) to produce a ~~CEMP.~~Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). ~~The~~These plans will include the requirement to implement best practice measures ~~applied~~ including: • measures to minimise run-off and the risk of runoff reaching ditches and watercourses; • management of dewatering activities in accordance with Environment Agency specifications including treating	Construction	ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2) Sections 4.4 (CEMP) Para 4.4.4., 7.2 (Ecology and Nature Conservation), 7.4 (Land quality),and 7.5 (Water resources and flood risk), in Code of Construction Practice (~~Section 7.2,~~ CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO~~ Section 3.3. COCP Part B (App Doc Ref ~~2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, a detailed PICP

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~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact		
Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism	
B-31 ES Chapter ~~08~~8: ~~Table 5.1 Summary~~ Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation Direct and indirect impacts on water quality within the ~~Biodiversity~~ description para 2.12.9 ~~of biodiversity effects~~ River Cam CWS **~~Construction Methods~~** ~~Construction~~ ES Chapter 2 Project description Dewatering impacts with in the River Cam CWS managed through the temporary works design which specifies the use of cofferdam to create dry working area within the River Cam Temporary works within the construction of the treated discharge outfall to the River Cam reduce water quality in the River Cam ~~CWS~~		Outline outfall management and monitoring plan (App Doc Ref 5.4.8.24)		

~~during construction in relation to minimising impacts to terrestrial habitats are:~~

- ~~the specification for the use of trenchless techniques used to avoid disturbance and damage to habitats wherever possible~~
- ~~the delineation of working areas prior to the commencement of construction and until works are complete to prevent damage to the surrounding habitats.~~
- ~~the implementation of tree/hedgerow protection measures which are shown on the Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17).~~
- ~~the implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.~~

~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~

- ~~measures to minimise run-off and the risk of runoff reaching ditches and watercourses;~~
- ~~management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.~~

~~Temporary works design measure:~~

- Dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.
- Dewatering impacts within the River Cam CWS managed through the temporary works design which specifies the use of cofferdam to create dry working area within the River Cam

~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~

~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.52).~~

~~Chapter~~ Ref ~~location~~Securing mechanism **~~Mitigation~~Source** **Description of impact** **Mitigation measure** **~~Secured by number~~Phase** **Reference document**

B-32	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	~~Table 5.1 Summary of biodiversity effects~~	Direct and indirect impacts to River Cam CWS ~~-~~during construction due to, run-off, water logging and contamination from leaks and spills.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section 4.4 ~~-~~which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include best practice measures requirements including: ● ~~•~~ minimising run-off and the risk of runoff reaching ditches and watercourses such as through the siting of launch and recovery pits associated with trenchless construction methods to be located a minimum of 8m from top of bank ● management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.	Construction	ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2) Sections 4.4 (CEMP) Para 4.4.4., 7.2 (Ecology and Nature Conservation), 7.4 (Land quality), and 7.5 (Water resources and flood risk), in Code of Construction Practice (~~Sections 7.4, 7.5 and 7.9, 7.11, 7.12~~ CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Section 3 of the CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2) Outline Outfall ~~AQMP, and WQMP, and (secured through Section 4.4 of the CoCP Part A) secured through a requirement of the draft DCO (Application Document Ref 2.1)~~Management and	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, a detailed PICP DCO Schedule 2 Requirement 10 Outfall management and monitoring plan Environmental Permit (Flood Risk Activities) Environmental Permit (Impounding)	Environmental ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Permit (Flood Risk Activities) Environmental Permit (Impounding)

~~• use of cofferdam to create dry working area within the River Cam Section 7.4, 7.5, 7.8, 7.9 and 7.10 of the CoCP Part A (Appendix 2.1, App~~ CWS

~~Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

~~Approval and implementation of a Construction~~DCO Schedule 2, Requirement 10 - Outfall management and monitoring plan

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
~~location~~Securing mechanism							
				~~pits associated with trenchless construction methods to be located a minimum of 8m from top of bank~~ management ~~of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.~~			~~Outfall Management and~~ Monitoring Plan (~~OMMP), (secured through~~ App Doc Ref 5.4.8.24) ~~Section 3 of the CoCP Part B) secured through a requirement of the draft DCO (Application Document Ref 2.1) Flood Risk activities permit~~ ~~Approval of the construction risk assessment and method statement associated with the detailed design and construction approach for the outfall as secured through applicable Environmental Permit (Flood Risk Activities).~~
			~~measures applied for management of leaks and spillages~~ ~~requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ ~~requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs which will be prepared) where spillage can be more easily contained~~					
				~~Management of construction activities impacting air quality will be~~			

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
				~~through further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1 &5.4.2.2):~~ • ~~the management of air quality as set out within Section 6.9 of the CoCP Part A, Air quality, sets out a framework for the control of air quality during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an Air Quality/Dust Management Plan (AQMP) appended to/as part~~			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism						
				~~of the CEMP. This includes the following general measures to be will put in place to minimise emissions and avoid nuisance:~~ ~~• the engines of all vehicles and plant onsite will be turned off when not in use;~~ ~~• the use of low emission vehicles and plant as far as possible; and~~			
			~~the movement of construction traffic around the working area will be minimised as far as possible~~			
~~Direct~~B-33		~~and indirect impacts related to works to ditches will be through~~	ES Chapter 8:			
						Biodiversity (App Doc
					~~Chapter 08:~~	Ref 5.2.8), Table 5.2 -
						Securing Mitigation
~~Biodiversity~~	~~Mitigation~~	Direct and indirect impacts on water vole~~s~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	~~water vole displacement measures in line with agreed Natural England licence conditions (Draft Licence included App Doc Ref 5.4.8.22). These~~ Direct and indirect impacts on water vole due to construction of the outfall and chamber,		

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
				~~measures also include the : and the combination of noise, emissions to air,~~		~~Natural England Mitigation Licence~~	
				~~• provision of a tool-box talk by the licenced water vole ecologist use of temporary lighting, land clearance presence of people in close proximity to~~			
				~~• completion of pre-works checks for works within 5m of watercourse / works crossing ditches prior to the start of the works~~		~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, ditches and the river Cam~~	
				~~• application for licence amendments if deemed appropriate~~		~~App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	
				~~• habitat creation (ditches)~~			
				~~• timing of works between 15 February and 15 April or as otherwise agreed by licence condition~~			
				~~• application for licence amendments if deemed appropriate and inclusion of additional measures within the application~~			
				~~• restricting temporary works to cross ditches to a 6m working width and habitat (ditch) reinstatement~~			
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~	~~Direct and indirect impacts to water vole due to construction within and adjacent to ditches,~~ and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam **Measures in Draft Licence (Water Vole) and Code of Construction Practice**	Direct and indirect impacts related to works to ditches will be through water vole displacement measures in line with agreed Natural England licence conditions (Draft Licence included ~~Appendix 8.22,~~ App Doc Ref 5.4.8.22). These measures also include the : • provision of a tool-box talk by the licenced water vole ecologist • completion of pre-works checks for works within 5m of watercourse / works crossing ditches prior to the start of the works • application for licence amendments if deemed appropriate • habitat creation (ditches) • ~~T~~timing of works between 15 February and 15 April or as otherwise agreed by licence condition • application for licence amendments if deemed appropriate and inclusion of additional measures within the application • restricting temporary works to cross ditches to a 6m working width and habitat (ditch) reinstatement~~.~~	Construction	Draft Licence App Doc Ref 5.4.8.22). Sections 4.4 (CEMP) Para 4.4.4., 7.2 (Ecology and Nature Conservation), 7.4 (Land quality), and 7.5 (Water resources and flood risk), in Code of Construction Practice	(CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3 of the CoCP Part B (Appendix 2.1, App Doc Ref
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~	~~Direct and indirect impacts on water vole due to construction of the outfall and chamber, and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam~~	~~Displacement measures in line with agreed Natural England licence conditions will be carried out (Draft Licence included Appendix 8.20, App Doc Ref 5.4.8.20);~~ ~~• Provision of a tool-box talk by the licenced water vole ecologist;~~ ~~• Completion of pre-works checks for works within 5m of watercourse / works crossing ditches prior to the start of the works;~~ ~~• Application for licence amendments if deemed appropriate; and~~ ~~• Habitat creation (ditches).~~ ~~Inclusion of embedded 'green' engineering features within river bank protection works;~~ ~~Best practice measures as detailed within CoCP parts A and B applied during construction to minimise the risk of runoff reaching ditches and watercourses.~~ ~~Best practice measures as detailed within CoCP parts A and B applied for management of dewatering including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour.~~		~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ ~~Natural England Mitigation Licence~~		Ref

~~Chapter~~ Ref ~~location~~	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document
5.4.2.2)	DCO Schedule 2, Requirement – 8 CoCP	DCO Schedule 2, Requirement 9 – CEMP		Natural England Mitigation Licence DCO Schedule 2		Requirement 11 – LERMP
B-34	ES Chapter ~~0~~8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts on water vole due to construction of the outfall and chamber, and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam	**Outfall and River Bank Design** Inclusion of embedded 'green' engineering features within river bank protection works;	Operation	ES Chapter 2 Project Description Section 2.12 The Outfall 2 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13) Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2, Requirement 10- Outfall management and monitoring plan
B-35	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 – Securing Mitigation	Direct and indirect impacts on water vole due to construction of the outfall and chamber, and the combination of noise, emissions to air, use of temporary lighting, land clearance presence of people in close proximity to ditches and the river Cam	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts to ecological features including best practice measures applied during construction to: • minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidents; and • management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour ~~• minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution~~	Construction	Sections 4.4 (CEMP) Para 4.4.4., 7.2 (Ecology and Nature Conservation), 7.4 (Land quality), and 7.5 (Water resources and flood ~~p o l l u t i o n i n c i d e n t s ; a n d B e~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP ~~s t p r a c t i c e m e a s u r e s a s d e t a~~

~~Chapter~~ Ref ~~location~~	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document / Securing mechanism
		iled within CoCP parts A and B applied for ~~•~~ management of dewatering ~~to meet requirements of the Environment Agency regulatory position statement (RPS)~~ ~~¡'Temporary dewatering from Environmental Permit - whichever applies to the activity.~~ Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour. **Lighting** The management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill).	~~Section 4.4 and 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Natural England Mitigation Licence~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to have approved and implement an Outfall Management and Monitoring Plan.~~			
risk), in Code of		DCO Schedule 2, Construction Practice Requirement- 10 Outfall				
(CoCP) Part A (Appendix 2.1, management and						
App Doc Ref 5.4.2.1) monitoring plan Section 3.1 of the CoCP Part Environmental Permit B (Appendix 2.1, App Doc						
(Flood Risk Activities)						
Ref 5.4.2.2)		Environmental Permit Outline Outfall				
		(Impounding)				
Management and Monitoring Plan (App Doc Ref 5.4.8.24)						

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
~~Chapter 08: Biodiversity~~B-36	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts to ~~badger due to direct interface with habitat (including closure of outlier sett), temporary stopping up of setts~~water vole due to construction within and adjacent to ditches, and the combination of noise, emissions to air, use of temporary lighting, land clearance~~, excavation and~~ presence of people in close proximity to ditches and the river Cam	Meas Direc be through ~~application of the mitigation~~water vole displacement measures in line with agreed Natural England licence conditions. ~~will be carried out (Draft Licence included Appendix 8.21, App Doc Ref 5.4.8.21) which requires the following~~These measures also include the: ~~•~~● provision of a tool-box talk by the ~~suitably experienced~~licenced water vole ecologist~~;~~ ~~•~~● completion of pre-works checks~~;~~ for works within 5m of watercourse / works crossing ditches prior to the start of the works ~~• checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals~~ ~~• securing of areas to prevent access by badger.~~ ~~In addition to licence requirement the management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts including to ecological features. The CEMP will include requirements to apply best practice measures (including to locations not covered by the licence) during construction to prevent impacts to badger including:~~ ~~• completion of pre-works checks (including areas not covered by licence);~~ ~~• checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals~~ ● application for licence amendments if deemed appropriate ● habitat creation (ditches) ~~t~~ ● Timing of works between 15 February and 15 April or as otherwise agreed by licence condition ~~•~~● application for licence amendments if deemed appropriate and inclusion of additional measures within the application restricting temporary works to cross ditches to a 6m working width and habitat (ditch) reinstatement.~~securing of areas to prevent access by badger~~		Sectio Part A Doc Re
ES Chapter ~~08~~8: Natural England Mitigation	~~Table 5.2 - Securing~~ Biodiversity (App Doc App Doc Ref 5.4.8.21) Licence	Direct and indirect impacts ~~to bats due to the use of temporary lighting, land clearance and presence of people in close proximity which could affect normal behaviour patterns resulting in diminished population~~ Direct and indirect impacts related to works to affecting ~~bat roosts~~badger will be	**Measures in Draft Licence (Badger)** ~~Mitigation~~	Construction	Draft Licence (Appendix 8.21, App Doc Ref 5.4.8.21)	

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
	Ref 5.2.8), Table 5.2 - Securing Mitigation	interface with habitat (including closure of outlier sett), temporary stopping ~~Section 7.2, CoCP Part A~~ up of setts and the	through application of the mitigation measures in line with agreed Natural England licence conditions will be carried out (Draft Licence ~~included Appendix 8.20, App Doc Ref 5.4.8.20) which requires the following:~~ • ~~provision of a tool box talk by the licenced bat ecologist;~~ • ~~completion of pre-works checks for works areas prior to the start of the works~~ • ~~timing the works at identified roost locations to be outside of the hibernation period (where hibernation suitability has been discerned);~~ ~~Natural England Mitigation Licence~~	Section 3.3 of the CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.~~1~~2) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~			
			~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~				
			~~App Doc Ref~~				
				• ~~installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to disturbing works commencing, to facilitate continued opportunities for bats to roost.~~ • ~~use of wildlife sensitive lighting design as outlined in the Natural England licence; and~~ • ~~minimising severance of hedgerows and reinstatement of hedgerows to provide commuting habitat and foraging opportunities~~	~~comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~		
			~~Management of construction impacts to terrestrial habitats that may affect bat population will be through further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1 & 5.4.2.2). These will be set out in the CEMP related to the specific works activity:~~ • ~~Any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority.~~ • ~~In locations of retained hedgerow there shall be consideration of additional "thickening" to promote habitat connectivity for bats, in particular making use of existing hedgerow removed during construction. Any works to hedgerow would be under the supervision of a suitably experienced ecologist.~~				
			~~Enhancement roost feature installation by mounting woodcrete type bat boxes suitable for a range of bat species to use, upon appropriate trees within the landscape masterplan; early planting of larger specimen trees and hedgerow plants within the landscape masterplan~~	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~			

~~Chapter~~	Ref document	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference
				~~Approval and implementation of a detailed management and monitoring to provide vegetative features for commuting linkages and foraging plan secured to comply with LERMP secured through a requirement of the resources as soon as possible; and thickening of hedgerows along the draft DCO (App Doc Ref 2.1) boundaries of the landscape masterplan area as appropriate, with native species plantings to enhance commuting linkages for bats to use.~~			
B-39	ES Chapter 8: ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to Chapter 08:~~ Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation			• provision of a tool-box talk by the licenced bat ecologist; • completion of pre-works checks for works areas prior to the start of the works • timing the works at identified roost locations to be outside of	~~Section 7.2, CoCP Part A (Appendix 2.1,App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~		
B-38	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts to badger due to direct interface with habitat (including closure of outlier sett), temporary stopping up of setts and the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in proximity	**Code of Construction Practice** In addition to licence requirement the management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts including to ecological features. The CEMP will include requirements to apply best practice measures (including to locations not covered by the licence) during construction to prevent impacts to badger including: • completion of pre-works checks (including areas not covered by licence); • checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals • securing of areas to prevent access by badger		Sections 4.4 (CEMP) and 7.2 (Ecology and Nature Conservation) in CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3.3 of the CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP Natural England Mitigation Licence	~~Secured through a~~
~~Direct and indirect impacts on bats (roosts)~~ ~~Biodiversity Mitigation~~ Direct and indirect impacts to bats due to the combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity ~~to known utilised habitats~~which could affect normal behaviour patterns resulting in diminished population **Measures in Draft Licence (Bats)** Direct and indirect impacts related to works to affecting bat roosts will be through application of the mitigation measures in line with agreed Natural England licence conditions ~~(Draft Licence included Appendix 8.20, App Doc Ref 5.4.8.20)~~ which requires the following:		combination of noise, use of temporary lighting, land clearance, excavation and presence of people in proximity	included Appendix 8.21, App Doc Ref 5.4.8.21) which requires the • provision of a tool-box talk by the suitably experienced ecologist; • completion of pre-works checks; • checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals • securing of areas to prevent access by badger. the hibernation period (where hibernation suitability has been discerned); • installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to ~~Natural England Mitigation Licence~~		~~requirement in the draft DCO (App Doc Ref 2.1) to comply with the following: Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~		
B-40	ES Chapter 8: Biodiversity (App Doc	Direct and indirect impacts to bats due to the	**Code of Construction Practice**	Construction	Sections 4.4 (CEMP) and 7.2 (Ecology and Nature	DCO Schedule 2, Requirement – 8 CoCP	

~~Chapter~~ ~~by number~~	Ref Phase	~~Mitigation~~Source Reference document	Description of impact ~~location~~Securing mechanism	Mitigation measure ~~Secured~~	
	Ref 5.2.8) , Table 5.2 - Securing Mitigation	combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity which could affect normal behaviour patterns resulting in diminished population	Management of construction impacts to terrestrial habitats that may affect bat population will be through further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1 & 5.4.2.2). These will be set out in the CEMP related to the specific works activity: Any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority. In locations of retained hedgerow there shall be consideration of additional "thickening" to promote habitat connectivity for bats, in particular making use of existing hedgerow removed during construction. Any works to hedgerow would be under the supervision of a suitably experienced ecologist.	Conservation) in CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement 9 – CEMP
• disturbing works commencing, to facilitate continued opportunities for bats to roost. • use of wildlife sensitive lighting design as outlined in the Natural England licence; and • minimising severance of hedgerows and reinstatement of hedgerows to provide commuting habitat and foraging opportunities -Construction included Mitigation Lighting Design	Draft Licence Natural England Appendix 8.20, App Doc Ref Licence 5.4.8.20	Design Strategy (App Doc Ref 5.4.2.5). ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation Direct and indirect impacts to bats due to the combination of temporary construction noise, use of temporary lighting, land clearance and presence of people in close proximity which could affect normal behaviour patterns resulting in diminished population **Landscape Masterplan** Construction Figure 3.1 within the Landscape, Ecological and Recreational Management Plan (App Doc Ref 5.4.8.14 appropriate trees within the landscape masterplan; Figure 3.7 within the Landscape, Ecological and Recreational Management Plan (App Doc Ref 5.4.8.14 possible; and • Enhancement roost feature installation by mounting woodcrete type bat boxes suitable for a range of bat species to use, upon within the landscape masterplan; • early planting of larger specimen trees and hedgerow plants within the landscape masterplan to provide vegetative features for commuting linkages and foraging resources as soon as	P	

~~Chapter~~ by number	Ref	Phase	~~Mitigation~~Source Reference document	Description of impact ~~location~~	Securing mechanism	Mitigation measure ~~Secured~~
						• thickening of hedgerows along the boundaries of the landscape masterplan area as appropriate, with native species plantings to enhance commuting linkages for bats to use.
B-41	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Construction	Direct and indirect impacts on bats (roosts) due to the combination of noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats	**Measures in Draft Licence (Bats)** Licence included -Appendix 8.20, App Doc Ref 5.4.8.20) which requires the following: • provision of a tool-box talk by the licenced bat ecologist; • completion of pre-works checks for works areas prior to the start of the works • timing the works at identified roost locations to be outside of the hibernation period (where hibernation suitability has been discerned); • installation of suitable bat boxes for use by crevice dwelling species on appropriate retained trees prior to disturbing works commencing, to facilitate continued opportunities for bats to roost. • use of wildlife sensitive lighting design as outlined in the Natural England licence; and • minimising severance of hedgerows and reinstatement of hedgerows to provide commuting habitat and foraging opportunities ~~Management of c~~	Natural England Mitigation Licence	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP DCO Schedule 2 Requirement 11 – LERMP

~~Chapter~~ by number	Ref Phase	~~Mitigation~~Source Reference document	Description of impact ~~location~~	Securing mechanism	Mitigation measure ~~Secured~~	
B-42	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	of additional "thickening" to promote habitat connectivity for bats, in particular making use of existing hedgerow removed during construction. Any works to hedgerow would be under the supervision of a suitably experienced ecologist. Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill). Sections 4.4 (CEMP) and 7.2	Direct and indirect impacts on bats (roosts) due to the combination of noise, use of temporary lighting, land clearance and presence of people in close proximity to known utilised habitats **Code of Construction Practice** Management of construction impacts to terrestrial habitats that may affect bat population will be through further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2). These will be set out in the CEMP related to the specific works activity: • Any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority. • In locations of retained hedgerow there shall be consideration	(Ecology and Nature Conservation) in CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5). DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP			
~~Chapter 08: Biodiversity~~B-43	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on breeding birds (final effluent pipeline and transfer tunnel) due to direct interface with habitat and the combination of noise, use of temporary lighting, land clearance, excavation, and presence of people in close proximity	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A ~~and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2)~~ in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to birds including best practice measures applied during construction to: • complete pre works check by suitably experienced ecologist; • avoid the nesting bird season as appropriate to any species found; and • complete clearance activities completed in accordance with approved methods	Construction	Sections ~~7.2,~~4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP
B-44	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Direct and indirect impacts on terrestrial invertebrates due to direct interface with habitat and the combination of noise, use of temporary lighting, land clearance, excavation, and presence of people in proximity	**Landscape Masterplan – Habitats** Design measures to minimise loss of terrestrial habitat that may support invertebrate populations includes retaining the existing ditch with hedgerow within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14App Doc Ref 5.4.8.14). The landscape masterplan includes a topographical and habitat variability to support some invertebrate species (e.g. mining bees) within "bee bank" bare earth patches.	Operation	Figure 3.1 within the Landscape, Ecological and Recreational Management Plan (App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14)	DCO Schedule 2 Requirement 11 – LERMP

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Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP			
~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~			
~~Chapter 08: Biodiversity~~B-45	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Direct and indirect impacts on terrestrial invertebrates due to direct interface with habitat and the combination of noise, use of temporary lighting, land clearance, excavation, and presence of people in proximity	~~Design measures to minimise loss of terrestrial habitat that may support invertebrate populations includes retaining the existing ditch with hedgerow within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14App Doc Ref 5.4.8.14).~~ ~~The landscape masterplan includes a topographical and habitat variability to support some invertebrate species (e.g. mining bees) within "bee bank" bare earth patches.~~**Code of Construction Practice** Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP. The best practice measures applied during construction in relation to minimising impacts to terrestrial habitats are: • the specification for the use of trenchless techniques used to avoid disturbance and damage to habitats wherever possible • the delineation of working areas prior to the commencement of construction and until works are complete to prevent damage to the surrounding habitats. • the implementation of tree/hedgerow protection measures which are shown on the Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17). • the implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows Further measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2. 2). These will be set out in the CEMP related to the specific works activity: • any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority. • in locations of retained hedgerow there shall be consideration of additional "thickening" to promote habitat connectivity for bats, in particular making use of existing hedgerow removed	Co	~~8.14~~2.1, App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1) Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ 5.4.2.1) ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the~~ Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5). Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17).	DCO Schedule 2, Requirement 14 – Construction Lighting

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~~Chapter~~Ref	~~Mitigation~~Source mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	location
			during construction. Any works to hedgerow would be under the supervision of a suitably experienced ecologist.			

tion of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
~~Chapter 08: Biodiversity~~	~~Table 5.1 Summary of biodiversity effects~~	~~Accidental leaks or spills during the draining and cleaning of tanks within the existing Cambridge WWTP and stopping up and ceasing use of the existing Cambridge WWTP outfall results in short term temporary impact to water quality in the river Cam~~	~~Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) to minimise impacts to water and land, in particular:~~ ~~Section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s) before works commence on site. The Plan will be appended to or incorporated into the CEMP(s). The Plan will be appended to or incorporated into the CEMP(s).~~ ~~Section 7.5. (Water Resources and Flood Risk) which requires the following general measures will be put in place to minimise dust including but not limited to:~~ ~~• Best practice measures applied for management of leaks and spillages to prevent runoff reaching controlled waters~~				~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
B-46 ES Chapter ~~08~~8: ~~Table 5.2 - Securing Light spill into retained habitats from Biodiversity~~	~~Mitigation~~	~~t~~ i ~~o~~ n ~~o~~ f ~~l~~ i ~~g~~ a ~~t~~ i ~~o~~ n ~~o~~ p ~~e~~ r ~~a~~	~~he proposed WWTP such as Low Fen Drove Way Grasslands and Hedgerows CWS – once vegetation established~~	Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	~~Direct benefit to be realised through the habitat provisions and within Landscape, Ecological and Recreational Management Plan (App Doc Ref the LERMP~~ (Appendix ~~8.14App~~2.1, App Doc Ref ~~5.4.8.14): 5.4.8.14) which is secured through a requirement in the draft DCO (App~~ 5.4.2.1)	decommissioning plan where the relevant phase includes decommissioning which
			Accidental leaks or spills during the draining and cleaning of tanks within the existing Cambridge WWTP and stopping up and ceasing use of the existing Cambridge WWTP outfall results in short term temporary impact to water quality in the river Cam **Code of Construction Practice** Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) to minimise impacts to water and land, in particular: • Section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s) before works commence on site. The Plan will be appended to or incorporated into the CEMP(s). The Plan will be appended to or incorporated into the CEMP(s).	Construction	Sections 4.4 Para 4.4.4, and 7.5 (Water Resources and Flood Risk) CoCP Part A	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 - CEMP to include detailed WQMP, and detailed PICP, and a detailed	
			• Section 7.5. (Water Resources and Flood Risk) which requires the following general measures will be put in place to minimise dust including but not limited to: • ~~inclusion of a new mosaic of habitats within in the landscape masterplan (App Doc Ref 2.1) intended to link to existing habitat features of value (such as existing hedgerows and habitats as part of the CWS);~~				Best practice measures applied for management of leaks and spillages to prevent runoff reaching controlled waters

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of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
						Environment Management Plan) which requires that the contractors to prepare a
		~~• implementation of appropriate management measures to meet the BNG commitment which will enable replacement habitat if initial planting is not~~				
~~Chapter 08: Biodiversity~~B-47	v ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Light spill into retained habitats from operation of lighting within the proposed WWTP such as Low Fen Drove Way Grasslands and Hedgerows CWS – once vegetation established	**Landscape Masterplan** Direct benefit to be realised through the habitat provisions and within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14): • inclusion of a new mosaic of habitats within in the landscape ~~Doc Ref 2.1)~~ masterplan intended to link to existing habitat features of value (such as existing hedgerows and habitats as part of the CWS); • implementation of appropriate management measures to meet the BNG commitment which will enable replacement habitat if initial planting is not successful.~~Use of directional lighting of <2700K and use of maximum height lighting columns of 5m within the proposed WWTP~~	Operation	~~Approval and implementation of a Construction Environmental~~Figure 3.1, 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan ~~secured through a requirement of the draft DCO~~(LERMP) (Appendix 8.14, ~~(~~App Doc Ref ~~2.1).~~5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy~~ (Appendix ~~2.5~~8.14, App Doc Ref ~~5.4.2.5~~5.4.8.14)~~.~~	DCO Schedule 2, Requirement – 7 Detailed design DCO Schedule 2 Requirement 11 – LERMP	
		~~successful.~~ Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.5 App Doc Ref 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction		must accord with the Outline Decommissioning outline decommissioning Plan (Appendix 2.5 App Doc plan. Ref 5.4.2.5)		Decommissioning Plan
B-48	ES Chapter ~~08~~8: ~~Biodiversity~~ (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation Light spill into retained **Lighting Design** Operation DCO Schedule 2,	habitats from operation of lighting within the proposed ~~WWTP~~	~~Biodiversity Mitigation operation of lighting within the proposed WWTP impacts Low Fen Drove Way Grasslands and Hedgerows CWS which will not benefit from the screening effect of established vegetation until year 15 of operation~~ ~~• wildlife sensitive lighting design incorporated into detailed design~~ ~~• exclusion of lighting provision on the access road and~~ • the Use of directional lighting of <2700K and use of maximum height lighting ~~columns of 5m~~ ~~• habitat creation within the landscape masterplan that serves a screening function once mature~~		~~Design measures to prevent or minimise artificial light are:~~	Requirement – 7 Detailed	

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tion of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
~~Detailed lighting design will comply with the~~ Lighting Design Strategy	design column s	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft~~		~~s the requirement for lighting to accord with The Institute of Lighting Professionals Advice Note -Guidance Note 1 for the Reduction of Obtrusive Light (GN01/21) (2021) or any later revisions of this document published by the Institute and Guidance Note 08/18 - Bats and Artificial Lighting.~~
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~	~~Loss of river habitats due to construction of the outfall and associated river bank protection works (river bank and river bed)~~	~~Design measures to avoid or minimise loss of river habitat within the River Cam are:~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
	of 5m within	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
			~~• designing outfall and chamber to allow reinstatement of ditch parallel to River Cam to same profile~~ ~~• design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river;~~ ~~• minimising extent of river bank protection works; and~~ ~~• design that includes of embedded 'Green' engineering features within river bank protection works that seeks to maintain hydrological connection to the river bank and encourage natural reinstatement of marginal vegetation.~~ ~~Implementation of final design for outfall and river protection works to include measures required by the Environment Agency secured by the Environmental Permit (flood risk activities).~~	~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~
	the proposed WWTP	~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~		
WWTP such as Low Fen (Appendix 2.5, App Doc Ref ~~5.4.2.5).~~		~~Chapter 08: Biodiversity Table 5.2 - Securing Mitigation Beneficial impacts to common reptiles and their habitats due to habitat creation within Drove Way Grasslands and~~		5.4.2.5).

~~This is section~~

tion of impact	Mitigation measure	~~Secured by number~~Phase Reference document ~~location~~Securing mechanism				
Hedgerows CWS – onceveg etatio		n established Ref 5.2.8), Table 5.2 - protection works (river bank Securing Mitigation and river bed)	Design measures to avoid or minimise loss of river habitat within the River Cam are: • designing outfall and chamber to allow reinstatement of ditch parallel to River Cam to same profile • design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river; • minimising extent of river bank protection works; and • design that includes ~~of~~ embedded 'Green' engineering features within river bank protection works that seeks to maintain hydrological connection to the river bank and encourage natural reinstatement ~~-~~of marginal vegetation.			
B-49	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Light spill into retained habitats from operation of lighting within the proposed WWTP impacts Low Fen Drove Way Grasslands and Hedgerows CWS which will not benefit from the screening effect of established vegetation until year 15 of operation	**Lighting Design** Design measures to prevent or minimise artificial light are: • wildlife sensitive lighting design incorporated into detailed design • exclusion of lighting provision on the access road • the use of directional lighting of <2700K and use of maximum height lighting columns of 5m within the proposed WWTP • habitat creation within the landscape masterplan that serves a screening function once mature Detailed lighting design will comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5). This includes the requirement for lighting to accord with The Institute of Lighting Professionals Advice Note- Guidance Note 1 for the Reduction of Obtrusive Light (GN01/21) (2021) or any later revisions of this document published by the Institute and Guidance Note 08/18 - Bats and Artificial Lighting.	Operation	Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2, Requirement – 7 Detailed design
B-50	ES Chapter 8: Biodiversity (App Doc	Loss of river habitats due to construction of the outfall and associated river bank	**Outfall and River Bank Design**	Operation	ES Chapter 2 Project Description Section 2.12	DCO Schedule 2, Requirement 7 – Detailed design

tion of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
		Implementation	tation of final design for outfall and river protection works to include measures required by the Environment Agency secured by the Environmental Permit (flood risk activities).	
B-60	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation Beneficial impacts to common reptiles and their habitats due to habitat creation within the landscape masterplan and its ongoing management through the LERMP	**Landscape Masterplan - Habitats** Provision and maintenance of new habitats within the landscape masterplan for reptile species to use. Sensitive vegetation management strategy within the LERMP in place in line with the 1981 Act Direct benefit to reptiles to be realised through measures within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14): • implementation of sensitive vegetation management strategy that avoids direct injury or killing of reptiles; • inclusion of bare soil scrapes within the landscape masterplan, on south-facing slopes of earth banks suitable for reptiles to use to bask (insolate), and • maintenance measures to ensure habitats are sustained	Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14)	DCO Schedule 2 Requirement 11 – LERMP
	The Outfall 2 (App Doc Ref Environmental Permit 5.2.2) Design Plans – Outfall (App Doc Ref 4.13)	Implementation		(Flood risk activities)
B-70	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation Operational noise impacts on breeding birds due to operation of the mechanical-electrical elements (such as pumps and compressors) of the proposed WWTP and during activities to implement the LERMP **Design of proposed WWTP** Design measures to minimise operational noise impacts by design including consideration of location, layout and plant/equipment selections and acoustic screening from the earth bank and enclosures to reduce noise emissions. Noise at the proposed WWTP will be controlled under the terms of an Environmental Permit, which requires	the adoption of best available techniques (BAT) to control noise at source. ~~the landscape masterplan for reptile species to use.~~	~~Implementation~~ ~~Sensitive vegetation management strategy~~	~~and its ongoing management through the LERMP. Provision and maintenance of new habitats within the landscape~~Operation Table 2-10 in ES Chapter 8: ~~Landscape, Ecological and Recreational Management Plan~~DCO Schedule 2 Biodiversity (App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO (App~~Requirement 7 - Detailed ~~Doc Ref 2.1)~~ design	~~within the LERMP in place in line with the 1981 Act~~ ~~Direct benefit to reptiles to be realised through measures within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14):~~ • ~~implementation of sensitive vegetation management strategy that avoids direct injury or killing of reptiles;~~ • ~~inclusion of bare soil scrapes within the landscape masterplan, on south-facing slopes of earth banks suitable for reptiles to use to bask (insolate), and~~ 5.2.8)

tion of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
~~Chapter 08: Biodiversity~~B-80	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Operational noise impacts on breeding birds due to operation of the mechanical-electrical ~~elements (such as pumps and compressors) of the proposed WWTP and during activities to implement the LERMP~~	**Landscaping Management** ~~Design measures to minimise operational noise impacts by design including consideration of location, layout and plant/equipment selections and acoustic screening from the earth bank and enclosures to reduce noise emissions. Noise at the proposed WWTP will be controlled under the terms of an Environmental Permit, which requires the adoption of best available techniques (BAT) to control noise at source.~~Control of intermittent noise impacts associated with implementation of the LERMP through avoidance of vegetation management within the landscape masterplan area during bird breeding season	Operation	Table 2-10 in ES Chapter 8: ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO~~Biodiversity (App Doc Ref ~~2.1~~ 5.2.8)	DCO Schedule 2 Requirement 11 – LERMP
	Environmental permit					
B90 ES Chapter ~~08~~8:	Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation		• CoCP Part A in respect Riparian and Aquatic Habitats specifically:			~~• maintenance measures to ensure habitats are sustained~~
~~elements (such as pumps and compressors) of the proposed WWTP and during activities to implement the LERMP~~			~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~			
Temporary and permanent removal of ditch ~~Biodiversity Mitigation~~ habitat during construction due to the temporary open cut ditch crossings; and permanent loss due to the landscaping and structural proposals			~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~			
Code of Construction Practice Management of construction activities will be through measures as described within the CoCP Part A and B ~~-~~(Appendix 2.1 & 2.2App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 ~~-~~which requires the Principal Contractor(s) to produce a CEMP. The best practice measures applied during construction in relation to minimising impacts to ditch habitats ~~are:~~	Construction Sections 4.4 Para 4.4.4, and 7.2 (Nature conservation and ecology) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3 CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2)					
~~•~~ limiting any permanent crossing of ditches to a maximum width of Hedgerow and ditch crossings minimised to 6m;						
~~•~~ the implementation of measures set out under section 7.2 of the						
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~~Chapter by number~~	Ref	~~Phase~~	~~Mitigation~~Source	Reference document	Description of impact	~~location~~	Mitigation measure	Securing mechanism	~~Secured~~
					ic vegetation in place for as long as practicable • ~~–~~removing the channel bed material prior to the excavation of the trench, storing the material separately and replacing it once construction works are complete to promote rapid colonisation of the area by aquatic invertebrates and aquatic plants • ~~–~~maintaining the flow downstream of the crossing point • ~~–~~restoration of original bank profile on completion of the pipeline crossings • ~~–~~where possible completing works between August and October and or during low flow conditions to protect potential fish spawning or nursery sites				~~Design measures to avoid or minimise loss of habitat are:~~ DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP
		~~• –~~ l e a v i n g b a n		k a n d a n y a q u a t					
B-91	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation		Temporary and permanent removal of ditch habitat during construction due to the temporary open cut ditch crossings; and permanent loss due to the landscaping and structural proposals		**Landscape Masterplan** Design measures to avoid or minimise loss of habitat through retaining existing ditch with hedgerow within the land required for the landscape masterplan contained with the LERMP (Appendix 8.14App Doc Ref 5.4.8.14)		Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement 11 – LERMP
~~Chapter 08: Biodiversity~~	~~Table 5.2 - Securing Mitigation~~		~~Removal of habitats in relation to temporary and permanent use of the land (such as for laydown areas, open cut trenching, HDD drilling, construction compounds, proposed WWTP and associated access) resulting in habitat loss, fragmentation and severance of wildlife corridors~~		~~Habitats removed to be replaced by plantings of habitats of higher ecological value in line with landscape masterplan within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14).~~ ~~Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP. The best practice measures applied during construction in relation to minimising impacts to terrestrial habitats are:~~ • ~~the specification for the use of trenchless techniques used to avoid disturbance and damage to habitats wherever possible~~ • ~~the delineation of working areas prior to the commencement of construction and until works are complete to prevent damage to the surrounding habitats.~~ • ~~the implementation of tree/hedgerow protection measures which are shown on the Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17).~~ • ~~the implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows~~				~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism						
	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Temporary and permanent removal of ditch habitat during construction due to the temporary open cut ditch crossings; and permanent loss due to the landscaping and structural proposals	**Outfall Design** Designing outfall and chamber to allow reinstatement of ditch parallel to River Cam to same profile ~~creation~~	Operation	ES Chapter 2:Project Description Para 2.12.4 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13) BNG Report (Appendix 8.13App Doc Ref 5.4.8.13) Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 10 Outfall management and monitoring plan
B-92	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Temporary and permanent removal of ditch habitat during construction due to the temporary open cut ditch crossings; and permanent loss due to the landscaping and structural proposals	**Ditch Creation** Creation of new up to 3.65km of new ditch habitat as described in Appendix C of the BNG Report (Appendix 8.13App Doc Ref 5.4.8.13)	Operation	BNG Report (Appendix 8.13App Doc Ref 5.4.8.13) ES Chapter 8 Table 2-11 (App Doc Ref 5.2.8)	DCO Schedule 2 Requirement 7 - Detailed design
B-93	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation Removal of habitats in relation to temporary and permanent use of the land (such as for laydown areas, open cut trenching, HDD drilling, construction compounds, proposed WWTP and associated access) resulting in habitat loss, fragmentation and severance of wildlife corridors **Landscape Masterplan** Operation Figure 3.9 and Figure 3.10 DCO Schedule 2 Landscape, Ecological and Requirement 11 – LERMP	Habitats removed to be replaced by plantings of habitats of higher ~~ch with hedgerow within the land required for the~~	Recreational Management ecological value in line with landscape masterplan ~~contained~~ within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14)~~.~~		Plan (LERMP) (Appendix ~~designing outfall and chamber to allow reinstatement of ditch parallel to River Cam to same profile~~ ~~creation of new up to 3.65km of new ditch habitat as described in Appendix C of the BNG Report (Appendix~~ 8.1~~3~~4, App Doc Ref 5.4.8.1~~3~~4)	

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document Securing mechanism
B-94	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8) , Table 5.2 - Securing Mitigation	Removal of habitats in relation to temporary and permanent use of the land (such as for laydown areas, open cut trenching, HDD drilling, construction compounds, proposed WWTP and associated access) resulting in habitat loss, fragmentation and severance of wildlife corridors	**Code of Construction Practice** Management of construction activities will be through measures as described within the CoCP Part A and B in particular Part A section 4.4 which requires the Principal Contractor(s) to produce a CEMP. The best practice measures applied during construction in relation to minimising impacts to terrestrial habitats are: • the specification for the use of trenchless techniques used to avoid disturbance and damage to habitats wherever possible • the delineation of working areas prior to the commencement of construction and until works are complete to prevent damage to the surrounding habitats. • the implementation of tree/hedgerow protection measures which are shown on the Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17). • the implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows	Construction	Sections 4.4 Para 4.4.4, 7.2 (Nature conservation and ecology) and Section 7.4 (Land Quality) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP
B-95	ES Chapter ~~08~~8: ~~Table 5.2 - Securing~~ Biodiversity (App Doc Ref 5.2.8), Table 5.2 - ~~Biodiversity~~ conservation and ecology) ~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured~~ Securing Mitigation	Removal of habitats during the temporary use ~~of land~~ ~~Mitigation~~ ~~of land~~ for the construction of the ~~Waterbeach~~ ~~through a requirement of the draft DCO (App Doc Ref 2.1)~~ Waterbeach pipeline	**Code of Construction Practice** Best practice measures to operate in compliance with the 1981 Act as appropriate: • pre works check by suitably experienced ecologist • best practice vegetation clearance methods	Construction	Sections 4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology) ~~CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~ CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
~~Chapter 08: Biodiversity~~B-96	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Removal of habitats during the temporary use of land for the construction of the Waterbeach pipeline	~~Minimising~~**Code of ~~c~~Construction** ~~working width;~~ **Practice**~~Reinstatement of areas temporarily disturbed during construction~~ Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP. The best practice measures applied during construction in relation to minimising impacts to terrestrial habitats are: ~~•~~ the specification for the use of trenchless techniques used to avoid disturbance and damage to habitats wherever possible ~~•~~ the delineation of working areas prior to the commencement of construction and until works are complete to prevent damage to the surrounding habitats. • Minimising construction working width • Reinstatement of areas temporarily disturbed during construction ~~•~~ the implementation of tree/hedgerow protection measures which are shown on the Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17). • the implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref ~~•~~ 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.	Construction	Sections ~~7.2,~~4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Tree Protection Plans within the Arboricultural Report (Appendix 8.17, App Doc Ref 5.4.8.17). ~~Landscape, Ecological and Recreational~~Outline Soil Management Plan (Appendix ~~8.14~~6.3, App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1~~5.4.6.3)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP including a detailed soil management plan which must accord with the measures set out in the outline soil management plan
B-97	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	~~Table 5.2 Securing~~ Potential surface water impacts at Allicky Farm Pond CWS due to spills and ~~leaks within the~~ ~~proposed WWTP migrating beyond the site~~leaks within the proposed ~~TheOperation~~ Operation, Operational Environmental Permit ~~will include conditions requiring management systems to cover pollution prevention and emergency responses.~~	**Operating Practices** ~~O~~Operation in accordance with environmental permit for the proposed ~~Biodiversity Mitigation~~ WWTP including implementation of EMS which will include materials storage controls, spill control measures, emergency response procedures ~~-~~WWTP migrating beyond the site Segregated drainage system in areas of potential contamination with the proposed WWTP required by the surface water drainage strategy ES Chapter 2 Project Description Section 5.1		DCO Schedule 2 Requirement 15 – Drainage	~~Approval and implementation of a Construction e~~Environmental ~~M~~management ~~Plan secured through a requirement of the draft DCO~~ (App Doc Ref ~~2.1).~~

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism						
~~Chapter 08: Biodiversity~~	~~Table 5.2 – Securing Mitigation~~	~~Temporary disturbance of badger sett and associated habitat due to the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in proximity~~	~~Management of impacts to badger as a result of construction activities are through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts including to ecological features. The CEMP will include requirements to apply best practice measures during construction to prevent impacts to badger including:~~ ~~• completion of pre-works checks across the Existing Cambridge WWTP (due to badgers being considered a mobile species);~~ ~~• checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals~~		~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
B-98	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Potential surface water impacts at Allicky Farm Pond CWS due to spills and leaks within the proposed WWTP migrating beyond the site	**Drainage Design** Segregated drainage system in areas of potential contamination with the proposed WWTP required by the surface water drainage strategy	Operation	Drainage strategy (Appendix 20.12, App Doc Ref 5.4.20.12)	DCO Schedule 2 Requirement 7 – Detailed design DCO Schedule 2 Requirement 15 – Drainage
B-99	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Temporary disturbance of badger sett and associated habitat due to the combination of noise, use of temporary lighting, land clearance, excavation and presence of people in proximity	**Code of Construction Practice** Management of impacts to badger as a result of construction activities are through measures as described within the in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP setting out measures for the prevention of impacts including to ecological features. The CEMP will include requirements to apply best practice measures during construction to prevent impacts to badger including: • completion of pre-works checks across the Existing Cambridge WWTP (due to badgers being considered a mobile species); • checking of works areas (pipe storage locations, excavations) for signs of badger / trapped animals • securing of areas to prevent access by badger	Construction	Sections 4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP
B-100	ES Chapter 8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Construction within the land required for the proposed WWTP and landscape masterplan results in temporary impacts to the non-statutory designated site: Low Fen Drove Way Grassland and Hedges CWS	**Landscape Masterplan** Plan does not include removal of vegetation from the CWS. Plan includes provision of a buffer of a minimum of 10m between works areas and extent of CWS.	Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14)	DCO Schedule 2, Requirement –10 LERMP

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
B-101 ES Chapter 8: Biodiversity (App Doc Ref ~~2.1)~~ 5.2.8) , ~~Chapter 08:~~ Table 5.2 - Securing Mitigation Construction within the land **Code of Construction Practice** required for the ~~No removal of vegetation from the CWS.~~ proposed Biodiversity ~~Mitigation proposed WWTP and landscape masterplan~~ ~~Provision of a buffer of a minimum of 10m between works areas and~~ WWTP and landscape masterplan results in temporary impacts to the non-statutory designated site: Low Fen Drove Way Grassland and Hedges CWS.	~~statutory designated site: Low Fen Drove Way Grassland and Hedges CWS~~	~~Wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill) along with dust control measures (such as wetting materials).~~ Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to ecological features, surface water, and	site: Low Fen Drove Way impacts from the generation of noise. The best practice measures Grassland and Hedges CWS applied during construction in relation to these aspects are: • CoCP Part A, Section 7.2, Ecology and nature conservation, and Part B, section 3.3 which requires –	

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
			ion removal from the CWS – —requires the routing of works access through existing pathways that cross the CWS – —requires the provision of a buffer of a minimum of 10m between works areas and extent of CWS.			4.4.4, and 7.2 (Nature conservation and ecology) ,7 .5 (Water resources and flood risk), 7.7 (Noise and vibration) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)
			• CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:			Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).
						DCO Schedule 2, Requirement – 8 CoCP
				~~– minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidents; and~~		DCO Schedule 2 Requirement 9 – CEMP
				~~– management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity.~~		DCO Schedule 2 ~~Requirement 14 – Construction~~ lighting
				– minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidents; and – management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity.		
			Including Construction Sections 4.4 (CEMP) Para			
~~Chapter 08: Biodiversity~~	~~Table 5.2 – Securing Mitigation~~	~~Construction within the land required for the proposed WWTP and landscape masterplan results in temporary impacts to the nonstatutory designated site: Low Fen Drove Way Grassland and Hedges CWS due to a combination of noise, emissions to air, use of~~	~~Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to ecological features, surface~~	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a detailed management and monitoring plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
			~~• securing of areas to prevent access by badger~~			

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
~~location~~Securing mechanism					
		prior to discharge and control of dewatering discharge			to prevent scour
					CoCP Part A, Section 7.7, Noise and vib

~~Chapter~~ Ref | ~~Mitigation~~Source | Description of impact | Mitigation measure | ~~Secured by number~~Phase | Reference document

~~location~~Securing mechanism

ration which requires the application of best practica

ble measures (BPM) as defined by the Control of Pollutio

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
						nAct1974(CoPA)andtheEnvironmentalProtectionAct1990(EPA)forthecontrolofnoise.Thesemeasuresareto

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
		be reflected within the Noise and Vibration Management				Plan (NVMP) appended to/as part of the CEMP.
					~~Sections 7.4, 7.5 and 7.8, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	~~See~~

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism

~~u r e d t h f o u g h a r e q u i r e m e n t i n t h e D C O / A p p D o c R e f 2 - 1) t o e e o m p l y w i t h t h e L i g h t i n g D e s i g n S t r a t e g y / A p p e n d~~

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document

~~location~~Securing mechanism

~~ix2.5,AppDocRef5.4.2.5~~Wildlife sensitive lighting

(<2700K, directional only with no upward orientation

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
			rlightspill)alongwithdustcontrolmeasures).			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism

B-102	ES Chapter ~~08~~8: Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation	Construction within the land required for the proposed WWTP and landscape masterplan results in temporary impacts to the non-statutory designated site: Low Fen Drove Way Grassland and Hedges CWS due to a combination of noise, emissions to air, use of temporary lighting, land clearance and presence of people.	**Code of Construction Practice**
			Management of construction activities will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a CEMP which will include setting out measures for the prevention of impacts to ecological features, surface water, and impacts from the generation of noise. The best practice measures applied during construction in relation to these aspects are:
			- Wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill) along with dust control measures (such as wetting materials);
			- CoCP Part A, Section 7.2, Ecology and nature conservation, and Part B, section 3.3 which
			  - require the prohibition of vegetation removal from the CWS
			  - requires the routing of works access through existing pathways that cross the CWS
			  - requires the provision of a buffer of a minimum of 10m between works areas and extent of CWS.
			- CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:
			  - minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidents; and
			  - management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour
			- CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These
				Construction	Sections 4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology) ,7 .5 (Water resource and flood risk), 7.7 (Noise and vibration) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)
					Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).
						DCO Schedule 2, Requirement – 8 CoCP
						DCO Schedule 2, Requirement 9 – CEMP
						DCO Schedule 2 Requirement 14 – Construction lighting

~~CoCP Part A, Section 7.2, Ecology and nature conservation, and Part B, section 3.3 which~~
~~— require the prohibition of vegetation removal from the CWS~~
~~— requires the routing of works access through existing pathways that cross the CWS~~
~~— requires the provision of a buffer of a minimum of 10m between works areas and extent of CWS.~~

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
			~~CoCP Part A, Section 7.5, Surface water and flood risk which includes a number of measures to be reflected within the construction Water Quality Management Plan (WQMP) appended to/as part of the CEMP, including requirements to:~~ ~~minimising the risk of runoff reaching controlled waters (ditches and watercourses) to prevent pollution incidents; and~~ ~~management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit – whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~			
			~~CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP.~~			

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Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
B-103	ES Chapter ~~08~~: ~~Table 5.2 – Biodiversity~~	Temporary water quality impacts on Stow-cum-Quy Fen SSSI during construction due to run-off, waterlogging and contamina tion from leaks and spills.	measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP. **Code of Construction Practice** Best practice measures as detailed within CoCP parts A and B -applied during construction to minimise the risk of runoff reaching ditches and watercourses Best practice measures in relation to the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 Part A which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and ~~Sections 7.4, 7.5 and 7.8, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Water Quality Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Air Quality/Dust~~	Construction		

~~Chapter by number~~	Ref	~~Mitigation location~~	Source	Description of impact	Mitigation measure	~~Secured~~
	Phase		Reference document			Securing mechanism
~~Chapter 08: Biodiversity~~	~~Table 5.2 – Securing Mitigation~~			~~Dewatering during the construction of the outfall temporarily reduces water quality within the River Cam CWS~~	~~Best practice measures as detailed within CoCP parts A and B applied during construction to minimise the risk of runoff reaching ditches and watercourses~~ ~~Best practice measures as detailed within CoCP parts A and B applied for management of dewatering activities including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~ ~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~	~~Sections 7.4, 7.5 and 7.8, CoCP Part A (Appendix 2.1, Ref 5.4.2.1) secured through a requirement of the dr (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Envi Management Plan secured through a requirement of DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Wat Management Plan secured through a requirement of DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Air Quality/Dust Management Plan secured through a requirement of DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Outfall Managen~~

risk assessments before works commence on site. The plans ~~Management Plan secured through a requirement of the draft~~ will be appended to or incorporated into the CEMP(s). ~~DCO (App Doc Ref 2.1).~~ These plans will include the requirement to implement best practice measures including:

- measures to minimise run-off and the risk of runoff reaching ditches and watercourses
- management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.
- measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits
- requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.
- requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained.

Sections 4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology), and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)

Section 3.1 – 3.3 CoCP Part B (App Doc Ref 5.2.2.2) DCO Schedule 2, Requirement – 8 CoCP

DCO Schedule 2, Requirement 9 – CEMP

B-104	Chapter 08: Biodiversity Table 5.2 - Securing Mitigation	Dewatering during the construction of the outfall temporarily reduces water quality within the River Cam CWS	**Code of Construction Practice** Best practice measures as detailed within CoCP parts A and B applied during construction to minimise the risk of runoff reaching ditches and watercourses Best practice measures as detailed within CoCP parts A and B applied for management of dewatering activities including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour Management of construction activities as described within the CoCP Part A and B (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4	Construction	Sections 4.4 (CEMP) Para 4.4.4, and 7.2 (Nature conservation and ecology), and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ES Chapter 2 Project Description para 2.12.9 (App Doc Ref 5.2.2) Section 3.1 CoCP Part B (Appendix 2.1, App Doc Ref	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP DCO Schedule 2, Requirement 10 –Outfall management and monitoring plan Environmental Permit

~~Chapter~~ by number	Ref	~~Mitigation~~Phase	Source Reference document	Description of impact ~~location~~	Mitigation measure Securing mechanism	~~Secured~~
				~~• measures to minimise run-off and the risk of runoff reaching ditches and watercourses~~ ~~• management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.~~ ~~Temporary works design measure:~~ ~~• use of cofferdam to create dry working area within the River Cam~~	~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~	
				which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • measures to minimise run-off and the risk of runoff reaching ditches and watercourses • management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour. Dewatering impacts within the River Cam CWS managed through the temporary works design ~~measure:~~ which specifies the use of cofferdam to create dry working area within the River Cam Phasing of construction activities, Section3.1 of the CoCP Part B, in relation to completion of in river works in summer months when water levels are expected to be lower	5.4.2.2) Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	~~through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and~~
B-105	ES Chapter ~~08~~8: ~~Table 5.2 -~~ Biodiversity (App Doc Ref 5.2.8), Table 5.2 - Securing Mitigation Temporary works within the river bed during the construction of the treated effluent discharge outfall to the River Cam reduce water quality in the River Cam CWS **Code of Construction Practice** Best practice measures as detailed within CoCP parts A and B ~~-~~applied during construction to minimise the risk of runoff reaching ditches and watercourses. Best practice measures as detailed within CoCP parts A and B applied for management of dewatering activities including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour. ~~–~~**Dewatering controls** ~~• Management measures as for the management of d~~Dewatering impacts within the River Cam CWS managed through the ~~T~~temporary works design ~~measure:~~ which specifies the ~~•~~ use of cofferdam to create dry working area within the River Cam	Construction	ES Chapter 2 Project Description para 2.12.9 (App Doc Ref 5.2.2) ~~Sections 7.4, 7.5 and 7.8~~Sections 4.4 (CEMP) Para 4.4.4, and 7.4 (Land quality), and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (~~ Section 3.1 CoCP Part B (Appendix 2.1, App Doc Ref ~~2.1~~ 5.4.2.2)~~.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Water Quality Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Air Quality/Dust Management Plan secured~~	~~implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP Environmental Permit

~~Chapter~~ Ref	~~Mitigation~~Source location	Description of impact	Mitigation measure	~~Secured by number~~Phase	
~~Chapter 09: Climate resilience~~ CR-1	ES Chapter 09: Climate resilience (App Doc Ref 5.2.9), Table 5.2 - Securing Mitigation	Higher maximum summer temperatures and in~~-~~combination weather events lead to ~~-~~mechanical and electrical equipment failure	**Operational Monitoring** Monitoring of condition during temperature extremes	Operation	ES Chapter 11 Section 2.8, and Table 5-1 ES Chapter 2 Project Description Sections 5.1 Operation, Operational environmental management, and 5.2 Maintenance (App Doc Ref ~~A requirement to prepare an~~5.2.2) Asset Management Plan ~~(AMP) in accordance with the outline AMP (Application Doc Ref 5.2.9.2) secured through a requirement in the draft DCO (Application~~ (Appendix 9.1, App Doc Ref ~~2~~ 5.4.9.1~~)~~	Requirement 18 – Operational Asset Management Plan
ES Chapter 09: Climate ~~resilience~~	~~Table 5.2 -~~ 5.2.9), Table 5.2 - Securing Mitigation	Higher maximum summer ~~temperatures: efficiency of~~ boilers and CHP unit ~~units~~	**Asset Management** Applicant's asset management plan to include scheduling of ~~A requirement to prepare an Asset~~ maintenance and renewal works to improve efficiency of ~~boilers and CHP unit units secured through a requirement in the draft DCO (Application~~	Operation	Es Chapter 11 Section 2.8, and Table 5-1 ES Chapter 2 Project Description Sections 5.1 Operation, Operational environmental management, and 5.2 Maintenance (App Doc Ref ~~2.1~~ 5.2.2) Asset Management Plan ~~(AMP) in accordance with the outline AMP (Application Doc Ref 5.2.9.2)~~	Requirement 18 – Operational Asset Management Plan

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~~Chapter~~ Ref	~~Mitigation~~Source location~~~~Securing mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase
~~Chapter 09: Climate resilience~~ CR-2	ES Chapter 09: Climate resilience (App Doc Ref 5.2.9), Table 5.2 - Securing Mitigation **Drainage Design** Surface water drainage design avoids damage to or water ingress into buildings and structures Upgrade of the surface water drainage with larger pipe diameters and storage towards the end of the century.	Increased winter rainfall and heavy rainfall events leads to structural damage and flooding within the proposed WWTP	Construction	ES Chapter 11 Section 2.8 and Table 5-1 Drainage Strategy (~~Appendix 20.12,~~ App Doc Ref 5.20.4)	DCO Schedule 2 Requirement 7 Detailed ~~surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).~~design DCO Schedule 2 ~~This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~Requirement 15 – Drainage	(Appendix 9.1, App Doc Ref 5.4.9.1
	~~Management plans and business continuity plans for extreme weather conditions~~				~~The Environmental Permit will include conditions requiring a written EMS which will includes management systems to cover pollution prevention and emergency responses.~~	
	~~Monitoring the response of the Proposed WWTP surface water drainage system to intense rainfall events and recording occurrences of surface water flooding~~				~~A requirement within Schedule 2 special requirements as outlined within App Doc Ref 7.2~~	
~~Chapter 09: Climate resilience~~	~~Table 5.2 – Securing Mitigation~~	~~Increased winter rainfall and higher fluvial flows: damage to the outfall structure and riverbank~~	~~Periodic monitoring of structure conditions~~		~~Approval and implementation of a OMMP incorporating requirements within and Environmental Permit (flood risk activities) including fish rescue and dewatering controls associated with Environmental Permit (Discharge to surface water) secured through a requirement of the draft DCO (Application Doc Ref 2.1)~~	
~~Chapter 09: Climate resilience~~	~~Table 5.2 – Securing Mitigation~~	~~Greater seasonal range between wetter winters and drier summers: ground movement~~	~~Controlled through operational asset inspection and repair programme including period asset inspections~~		~~A requirement to prepare an Asset Management Plan (AMP) in accordance with the outline AMP (Application Doc Ref 5.2.9.2) secured through a requirement in the draft DCO (Application Doc Ref 2.1)~~	
CR-3	ES Chapter 09: Climate resilience (App Doc Ref 5.2.9), Table 5.2 - Securing Mitigation **Operational Management** Management plans and business continuity plans for extreme weather conditions The Environmental Permit will include conditions requiring a written EMS which will includes management systems to cover pollution prevention and emergency responses	Increased winter rainfall and heavy rainfall events leads to structural damage ~~Table 5.2 –~~ and flooding within the proposed WWTP ~~Increased seasonal winter rainfall and heavy~~	Operation	ES Chapter 2 Project Description Sections 5.1 Operation, Operational environmental management,	Environmental Permit ~~Inspection~~ and ~~m~~5.2 Maintenance ~~regime to keep pipes clear and operating~~ (App Doc Ref 5.2.2) ~~A requirement to~~	

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Chapter location Ref Securing mechanism | Mitigation Source | Description of impact | Mitigation measure | Secured by number Phase | Reference document

CR-4	ES Chapter 09: Climate resilience (App Doc Ref 5.2.9), Table 5.2 - Securing Mitigation	Increased winter rainfall and heavy rainfall events leads to structural damage and flooding within the proposed WWTP	**Operational Management** Monitoring the response of the Proposed WWTP surface water drainage system to intense rainfall events and recording occurrences of surface water flooding The Environmental Permit will include conditions requiring a written EMS which will includes management systems to cover pollution prevention and emergency responses	Operation	ES Chapter 2 Project Description Sections 5.1 Operation, Operational environmental management, and 5.2 Maintenance (App Doc Ref 5.2.2) ES Chapter 11 Section 2.8 and Table 5-1 Drainage Strategy (App Doc Ref 5.20.4)	Environmental Permit

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hapter 11 Section 2.8 and Table 5-1

Asset Management Plan (AMP) in accordance

Climate Mitigation rainfall events effectively. with the outline AMP (Application Doc Ref 5.2.9.2) secured through a (Appendix 9.1, App Doc Ref 5.4.9.1

CR-5 Chapter 09: Climate resilience Table 5.2 - Securing Mitigation

ES Chapter 2 Project Requirement 18 – and higher fluvial flows: Description Sections 5.1 Operational Asset
Periodic monitoring of structure conditions damage to the outfall Operation, Operational Management Plan structure and
riverbank environmental

management, and 5.2 Maintenance (App Doc Ref 5.2.2)

resilience Increased winter rainfall

requirement in the draft DCO (Application Doc Ref 2.1)**Operational Management**

Operation

~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	~~location~~Securing mechanism
				ES Chapter 11 Section 2.8, and Table 5-1	
CR-6	Chapter 09: Climate resilience Table 5.2 - Securing Mitigation	Greater seasonal range between wetter winters and drier summers: ground movement	**Operational Management** Controlled through operational asset inspection and repair programme including period asset inspections	Operation	ES Chapter 2 Project Description Sections 5.1 Operation, Operational environmental management, and 5.2 Maintenance (App Doc Ref 5.2.2) ES Chapter 11 Section 2.8, and Table 5-1 Asset Management Plan (Appendix 9.1, App Doc Ref 5.4.9.1	Requirement 18 – Operational Asset Management Plan
~~Chapter 09: Climate resilience~~ CR-7	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased seasonal winter rainfall and heavy rainfall events~~: biodiversity mitigation habitats~~	~~Surface water drainage design in accordance with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).~~ **Operational Management** Inspection and maintenance regime to keep pipes clear and operating effectively.	Operation	~~Detailed surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018~~ ES Chapter 2 Project ~~(Version 1.2) secured through a requirement of the draft DCO~~Description Sections 5.1 Operation, Operational environmental management, and 5.2 Maintenance (App Doc Ref ~~2.1~~ 5.2.2) ES Chapter 11 Section 2.8, and Table 5-1	Requirement 18 – Operational Asset Management Plan
CR-8	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased winter rainfall and heavy rainfall events: biodiversity mitigation habitats	**Surface Water Drainage Design** Surface water drainage design in accordance with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2)	Operation	Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).	DCO Schedule 2 Requirement 15 – Drainage
CR-9	ES Chapter 09: Climate resilience, ~~Table 5.2 - Securing Ecological and Recreational~~ Table 5.2 - Securing Mitigation	Increased winter rainfall and heavy rainfall events:	**Operational Management** Maintenance, repair and replanting of seasonal ponds	Operation	Section 4 Landscape,	DCO Schedule 2 Requirement 11 – LERMP and

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~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	~~location~~Securing mechanism
	Reference document				
~~Approval and implementation of a detailed management and monitoring~~ Securing ~~Climate~~ Mitigation ~~events:~~ biodiversity mitigation ~~habitats~~ habitats (Appendix 8.14, ~~resilience draft DCO (~~App Doc Ref ~~2.1)~~ 5.4.8.14				~~plan secured to comply with LERMP secured through a requirement of the~~ Management Plan (LERMP)	
~~Chapter 09: Climate resilience~~ CR-10	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Reduced summer rainfall and increased drought conditions: biodiversity mitigation habitats	**Landscape Masterplan** Diversity of species in final planting specification	Pre-construction	~~LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) ~~Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (~~(Appendix 8.14, App Doc Ref ~~2.1)~~5.4.8.14	DCO Schedule 2 Requirement 11 – LERMP
CR-11	ES Chapter 09: Climate resilience, ~~Table 5.2 - Securing~~ Mitigation	Reduced summer rainfall and increased drought conditions: biodiversity mitigation habitats	**Landscape Masterplan** Creation of the seasonal ponds to retain rainwater in the summer	Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement 11 – LERMP
CR-12	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Reduced summer and rainfall and increased winter rainfall: tree planting	**Landscape Masterplan** Drought tolerant species selection Adaptive management to consider how future wooded areas and new planting will be watered.	Pre-construction	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement 11 – LERMP

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~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	
Reference document	~~location~~Securing mechanism				
CR-13 ~~DCO ((LERMP)~~	ES Chapter 09: Climate resilience, Table 5.2 – Securing Mitigation	Reduced summer and rainfall and increased winter rainfall: tree planting	~~Approval and implementation of a d~~**Detailed ~~m~~Management and ~~m~~Monitoring plan** ~~secured to comply with LERMP secured through a requirement of the draft~~ DCO Schedule 2 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref ~~2.1)~~5.4.8.14 Adaptive management to consider how future wooded areas and new planting will be watered.	Operation	Requirement 11 – LERMP
~~Chapter 09: Climate resilience~~ CR-14	ES Chapter 09: Climate resilience, Table 5.2 ~~–~~ Securing Mitigation	Reduced summer ~~and~~ rainfall and increased ~~winter rainfall:~~drought conditions: landscaping and tree planting	~~Drought tolerant species selection~~ **Landscape Masterplan** Species diversity and choice of drought resilient tree species. ~~Adaptive~~Landscape ~~m~~Management ~~to consider how future~~Plan to replace dieback of wooded area~~s and new planting will be watered.~~ with tree species that thrive in future climates locally	Operation	~~LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) ~~Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO ((~~Appendix 8.14, App Doc Ref ~~2.1)~~5.4.8.14	DCO Schedule 2 Requirement 11 – LERMP
CR-15 ~~resilience~~ ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation ~~Ecological and Recreational Climate~~	Reduced summer rainfall and increased drought conditions: landscaping and tree planting ~~resilience planting tree species that thrive in future climates locally~~	**Detailed Management and Monitoring plan (LERMP)** ~~Species diversity and choice of drought resilient tree species.~~ Landscape Management Plan to replace dieback of wooded area with tree species that thrive in future climates locally Approval and implementation of a detailed management and monitoring plan secured to ~~comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	Operation	~~LERMP~~ ~~drought conditions: landscaping and tree~~Requirement 11 – LERMP

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~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	~~location~~	Mitigation measure	Reference document	~~Secured by number~~Securing mechanism	Phase		
~~Chapter 09: Climate resilience~~ CR-16	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Reduced summer rainfall and increased drought conditions: landscaping and tree planting	~~Transfer of rainwater collected within the earth bank to the drainage network in the landscaped area~~	**Surface Water Drainage Design** Transfer of rainwater collected within the earth bank to the drainage network in the landscaped area Detailed surface water drainage design will comply with the Drainage Strategy ~~(Appendix 20.12, App Doc Ref 5.4.20.12).~~ ~~This includes the requirement for D~~drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	Operation	Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 15 – Drainage	Deleted Cells Inserted Cells Inserted Cells Inserted Cells
~~Chapter 09: Climate resilience~~ CR-18	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased winter heavy rainfall events and summer drought conditions: erosion of soils	~~Surface water runoff design avoids erosion and scour~~ ~~Landscape management design avoids exposed desiccated soils~~ ~~Landscape management to identify soil erosion and vegetation management~~	~~LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Detailed surface water drainage design will comply with the~~ **Drainage Strategy** ~~(Appendix 20.12, App Doc Ref 5.4.20.12).~~ Surface water runoff design avoids erosion and scour ~~This includes the requirement for D~~drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	Operation	Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).	DCO Schedule 2 Requirement 15 – Drainage	Deleted Cells Inserted Cells Inserted Cells Inserted Cells
CR-17	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Warmer, wetter winters leading to increases in pest and disease outbreaks	Diversity in planting species	**Landscape Masterplan** ~~LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Landscape management ~~-~~ ~~A~~approval and implementation of a detailed management and monitoring ~~resilience plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ plan	Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14)	DCO Schedule 2 Requirement 11 – LERMP	Inserted Cells
CR-18	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased winter heavy rainfall events and summer drought conditions: erosion of soil	**Landscape Masterplan** ~~Table 5.2 - Securing~~ Landscape management design avoids exposed desiccated soils		Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14)	DCO Schedule 2 Requirement 11 – LERMP	Inserted Cells

~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
CR-19	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased winter rainfall and heavy rainfall events: river scour	**Outfall and River Bank Design** River bank and river bed protection is included within the outfall design. CFD modelling of discharge at the outfall includes consideration of scour impacts and includes a 20% climate change uplift	Operation	ES Chapter 2 Project Description Section 2.12 The Outfall (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13 ES Chapter 09 Section 2.9 and Table 5-2 (App Doc Ref 5.2.9)Chapter 20 - Appendix 20.7 - Outfall CFD Report (pp Doc Ref 5.4.20.7)	DCO Schedule 2 Requirement 7 - Detailed design
ls	Landscape management to identify soil erosion and vegetation management		Operation	Figure 3.9 and Figure 3.10 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 DCO Schedule 2 Requirement 11 – LERMP	
CR-20	ES Chapter 09: Climate resilience, Table 5.2 - Securing Mitigation	Increased winter rainfall and heavy rainfall events: river scour	**Outfall Management and Monitoring Plan** River bank and river bed protection is included within the outfall design. CFD modelling of discharge at the outfall includes consideration of scour impacts and includes a 20% climate change uplift	Operation	ES Chapter 2:Project Description Section 2.12 The Outfall (App Doc Ref 5.2.2) ES Chapter 09 Section 2.9 and Table 5-2 (App Doc Ref 5.2.9) Chapter 20 - Appendix 20.7 - Outfall CFD Report (pp Doc Ref 5.4.20.7)	DCO Schedule 2 Requirement 10 – Outfall Management and monitoring plan Outline outfall management and monitoring plan (App Doc Ref 5.4.8.24)
~~Approval and implementation of a OMMP incorporating requirements Climate resilience and Environmental Permit (flood risk activities) including fish rescue and dewatering controls associated with Environmental Permit (Discharge to surface water) secured through a requirement of the draft DCO (Application Doc Red 2.1)~~						

~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
CA-1	Chapter 10: Carbon, Table 5.2 – Securing Mitigation	Climate change emissions contributions through GHGs associated with operation of the proposed WWTP	**Carbon Management Plan** Implementation of an Operational Carbon Management Plan	Operation	ES Chapter 10 Section 2.4 and Table 5-2 (App Doc Ref 5.2.10) Carbon Management Plan (App Doc Ref 5.4.10.2)	DCO Schedule 2 Requirement 21- Carbon management plan
CA-2	Chapter 10: Carbon, Table 5.2 – Securing Mitigation	Climate change emissions contributions through GHGs associated with operation of the proposed WWTP	**Design - Solar infrastructure** Inclusion of solar panels in the inner slope of the earth bank (for the preferred option of G2G). Requirement to update Carbon model to account for detailed design of the Proposed Development to monitor further carbon savings through detailed design when compared to the baseline DM0 design	Construction	ES Chapter 2:Project Description Section 2.13 further associated development and site-wide provisions (App Doc Ref 5.2.2) ES Chapter 10 Section 2.4 and Table 5-2 (App Doc Ref 5.2.10)	DCO Schedule 2 Requirement 7
CA-3	ES Chapter 10: ~~Carbon~~ Table 5.2 – Securing Mitigation	Climate change emissions contributions through GHGs associated with operation of the proposed WWTP	**BREAAM** Gateway building to be designed to achieve BREEAM "Excellent" standard	Construction	ES Chapter 2:Project Description Section 2.13 Further associated development and site-wide provisions, Further associated development, (Gateway Building) (App Doc Ref 5.2.20 ES Chapter 10 Section 2.4 and Table 5-2 (App Doc Ref 5.2.10)	DCO Schedule 2 Requirement 7 -Detailed design
CA-4	Chapter 10: Carbon, ~~Table 5.2 - Securing~~ Table 5.2 – Securing ~~Carbon~~ Mitigation	Whole life carbon of the proposed WWTP Land use change acting to reduce emissions over the whole life of the ~~LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ assessment	**Landscape Masterplan** Ecological and Recreational Management Plan (LERMP)	Construction Operation	Section 4 Landscape, (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement – 11 -LERMP

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 11: Community~~	~~Table 5.2 – Securing Mitigation~~	~~The presence of permanent infrastructure creates a permanent change to access to recreational resources and informal open spaces~~	~~Design measures to prevent or minimise impacts to recreational users:~~ ~~• Design of outfall so as not to affect width and gradient of footpath (PRoW 85/6)~~ ~~• Design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river and along the banks~~ ~~• Design of the outfall so that it integrates into the existing bank and allows for the reinstatement to existing levels~~		~~Approved outfall design secured through conditions with the Environmental Permit (Flood Risk Activities)~~ ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	

~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~	
~~Chapter 10: Carbon~~CA-5	ES Chapter 10 Carbon, Table 5.2 ~~–~~ Securing Mitigation	~~Climate change emissions contributions through GHGs associated with operation~~Whole life carbon of the proposed WWTP	**Carbon Management Plan** Measures adopted in operation act to reduce emissions over the whole life of the assessment: • ~~•~~ Follow the Net Zero to 2030 Strategy • ~~Implementation of a Operational Carbon Management Plan~~Implement the Operational worker travel plan to encourage mode shift in transport	Operation ES Chapter 10 Section 2.4 and Table 5-2 (App Doc Ref 5.2.10) OWTP (Appendix 19.8, App Doc Ref 5.4.19.8) ~~Requirement to secure an operational~~ Carbon Management Plan ~~(CMP) through a requirement of the draft DCO~~ (App Doc Ref ~~2.1~~5.4.10.2)	DCO Schedule 2 Requirement -21 – Carbon management plan DCO Schedule 2 Requirement -12 Travel Plan

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~~Chapter~~Ref ~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase Reference document	~~location~~Securing mechanism
~~Chapter 10: Carbon~~ ~~Table 5.2 – Securing Mitigation~~	~~Climate change emissions contributions through GHGs associated with operation of the proposed WWTP~~	~~Inclusion of solar panels in the inner slope of the earth bank (for the preferred option of G2G).~~	~~Requirement to update Carbon model to account for detailed design of the Proposed Development to monitor further carbon savings through detailed design when compared to the baseline DM0 design~~ ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Chapter 10: Carbon~~ ~~Table 5.2 – Securing Mitigation~~	~~Climate change emissions contributions through GHGs associated with operation of the proposed WWTP~~	~~Gateway building to be designed to achieve BREEAM "Excellent" standard~~	~~Requirement to develop detailed design to meet BREEAM target secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Approval~~CA-6 ~~and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ES Chapter 10: Carbon, Capital carbon as a result of **Design Optimization – Detailed Design** Construction materials and activity to construct the Proposed Development Design optimisation at detailed design stage informed by carbon model that seeks to further reduce capital carbon through: • Continued innovation review • Materials specifications • Design of efficient construction and temporary works	ES Chapter 10 Section 2.4 and Table 5-2 (App Doc Ref 5.2.10)		DCO Schedule 2 Requirement 7 – Detailed Design	Table 5.2 – Securing Mitigation
~~Chapter 10: Carbon~~ ~~Table 5.2 – Securing Mitigation~~	~~Whole life carbon of the proposed WWTP~~	~~Measures adopted in operation act to reduce emissions over the whole life of the assessment:~~ ~~• Follow the Net Zero to 2030 Strategy~~ ~~Implement the Operational worker travel plan to encourage mode shift in transport~~	~~Schedule 2 requirement to apply 2030 strategy and include CWWTPR in annual reporting secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Requirement to implement OWTP (Appendix 19.8, App Doc Ref 5.4.19.8) secured through a requirement of the draft DCO (App Doc Ref 2.1~~	
~~Chapter 10: Carbon~~ ~~Table 5.2 – Securing Mitigation~~	~~Capital carbon as a result of materials and activity to construct the Proposed Development~~	~~Design optimisation at detailed design stage informed by caron model that seeks to further reduce capital carbon through:~~ ~~• Continued innovation review~~ ~~• Materials specifications~~ ~~Design of efficient construction and temporary works~~	~~Requirement to update Carbon model to account for detailed design of the Proposed Development to monitor further carbon savings through detailed design when compared to the baseline DM0 design secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Chapter 11: Community~~CO-1	Chapter 11: Community Table 5.2 - Securing Mitigation	Provision of new community resources through new Discovery Centre provides benefit	**Discovery Centre** The opportunity for enhanced provision of community resource through the inclusion of Discovery Centre and continued operation throughout the operational lifetime of the proposed WWTP (by appointment) Requirement to monitor usage of the Discovery Centre	Operation ES Chapter 2:Project Description Section 2.13 further associated development and site-wide provisions (App Doc Ref 5.2.2) ~~Requirement to monitor usage of the Discovery Centre which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ES Chapter 11 Section 2.8 and Table 5-2	DCO Schedule 2 Requirement 7 - Detailed design
C0-2	Chapter 11: Community	~~Table 5.2 – Securing~~ Provision of a new bridleway provides benefit	**Design - New Bridleway** Opportunity for access to the area in proximity to the land required for	Operation Figure 3.14 within Landscape, Ecological and	DCO Schedule 2 Requirement 11 - LERMP

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Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, Community~~ Table 5.2 - Securing Mitigation	Recreational Management ~~riders) through~~ riders) through additional ~~DCO (App~~equestrian resource	~~Mitigation~~ to recreational users (horse the proposed WWTP will be enhanced for equestrians by the Change of Plan (Appendix 8.14, App ~~App Doc Ref 5.4.8.14) which is secured through a requirement in the draft additional equestrian resource~~ status for up to 1.03km of existing farm track to provide a new Public Right of Way (bridleway)		Doc Ref ~~2.1~~5.4.8.14)	
CO-3	Chapter 11: Community Table 5.2 - Securing Mitigation	The presence of permanent infrastructure creates a permanent change to access to recreational resources and informal open spaces	**Outfall Design** Design measures to prevent or minimise impacts to recreational users: • Design of outfall so as not to affect width and gradient of footpath (PRoW 85/6) • Design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river and along the banks • Design of the outfall so that it integrates into the existing bank and allows for the reinstatement to existing levels Approved outfall design secured through conditions with the Environmental Permit (Flood Risk Activities)	Operation	ES Chapter 2:Project Description Section 2.12 The Outfall (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13)	DCO Schedule 2 Requirement 7 - Detailed design Environmental Permit (flood risk activities DCO Schedule 2 Requirement 7 – Detailed Design
CO-4	Chapter 11: Community Table 5.2 - Securing Mitigation	The presence of permanent infrastructure creates a permanent change to access to recreational resources and informal open spaces	**Outfall Management and Monitoring Plan** Approval and implementation of an Outfall Management Plan	Operation	ES Chapter 2:Project Description Section 2.12 The Outfall (App Doc Ref 5.2.2) Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule2 – Requirement 10 Outfall management and monitoring plan
CO-5	Chapter 11: Community Table 5.2 - Securing Mitigation	The presence of permanent infrastructure creates a permanent change to access to recreational resources and informal open spaces	**Landscape Masterplan** Direct benefits to recreation -to be ~~realised~~ through measures within the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14): • Opportunity for access to the area in proximity to the land required for the proposed WWTP will include formalising access through the provision of permissive paths and leisure cycling access within the LERMP • Change of status for up to 1.03km of existing farm track to provide a new Public Right of Way (bridleway)	Operation	Figure 3.12 - 3.14 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14 Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 11 - LERMP

Chapter by number Phase	Ref	Mitigation Source Reference document	Description of impact location Securing mechanism	Mitigation measure	Secured
				Direct benefits to recreation to be realised through measures within the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14): • Opportunity for access to the area in proximity to the land required for the proposed WWTP will include formalising access through the provision of permissive paths and leisure cycling access within the LERMP • Change of status for up to 1.03km of existing farm track to provide a new Public Right of Way (bridleway) Long-term application of the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14) which requires that the operator to prepare a detailed management and maintenance plan (secured through requirements in the DCO), based on the LERMP which will be agreed with key stakeholders. In relation to users this includes the requirement to complete user survey at least twice a year to understand how people are interacting with the recreational space and accessing the wider network of PRoW and permissive paths.	Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)
				Enhancements for recreational users through: • Improvements to the footway on the east and west of Horningsea Road New pedestrian crossing to access the landscape masterplan area	Approved design secured through a requirement of the draft DCO (App Doc Ref 2.1

CO-6

Chapter 11: Community Table 5.2 - Securing Mitigation Operation	Table 5.2 - Securing Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement 11 - LERMP	The presence of permanent infrastructure permanent change to access to recreational resources and open spaces	Landscape Masterplan Opportunity for access to the area in proximity to the land required for Landscape, Ecological and Recreational Management Plan creates a Long-term application of the LERMP (Appendix 8.14, Community Mitigation creates a App Doc Ref access in the the proposed WWTP will include formalising access through the App Doc Ref 5.4.8.14) which is 5.4.8.14) which requires that the operator to prepare a detailed management and maintenance plan (secured through a requirements in the draft provision of to recreational provision of permissive paths and leisure cycling access within the DCO (App Doc Ref 2.1) informal open spaces LERMP the DCO), based on the LERMP which will be agreed with key stakeholders. In relation to users this includes the requirement to complete user survey at least twice a year to understand how people are interacting with the recreational space and accessing the wider network of PRoW and permissive paths.	

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 11: Community~~	~~Table 5.2 - Securing Mitigation~~	~~Temporary requirement for land to construct the Waterbeach pipeline affects access to CBS Automotive~~	~~Management of impacts to land temporarily required managed through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2) and CTMP:~~ ~~• requirement within the CoCP Part A for the reinstatement of ditches temporarily disturbed during construction~~ ~~• requirements to maintain access~~ ~~Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) which:~~ ~~• requires connectivity/access to community facilities and residential properties to be maintained during works.~~ ~~requires connectivity/access to community facilities and residential properties to be maintained during works~~	~~Section 7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a CEMP secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO~~		
CO-7	Chapter 11: Community Table 5.2 - Securing Mitigation	The presence of permanent infrastructure creates a permanent change to access to recreational resources and informal open spaces	**Design – Horningsea Road** Enhancements for recreational users through: • ~~-~~Improvements to the footway on the east and west of Horningsea Road • New pedestrian crossing to access the landscape masterplan area	Operation	ES Chapter 2:Project Description, Section 2.9 Proposed WWTP access and off-site highway network alterations (App Doc Ref 5.2.2) Design Plans - Highways and Site Access (App Doc Ref 4.11)	DCO Schedule 2 Requirement 7 - Detailed design Requirement 7 – Detailed Design
CO-8	Chapter 11: Community Table 5.2 - Securing Mitigation	The presence of permanent infrastructure creates a permanent change to access in the provision of two recreational resources and informal open spaces	**Landscape Masterplan** Opportunity for access to the area in proximity to the land required for the proposed WWTP will include formalising access through the provision of permissive paths and leisure cycling access within the LERMP	Operation	Figure 3.12 - 3.14 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	DCO Schedule 2 Requirement 11 - LERMP

~~Chapter~~ ~~by number~~	Ref Phase	~~Mitigation~~Source Reference document	Description of impact ~~location~~	Mitigation measure	~~Secured~~ Securing mechanism
				Section 4 Landscape, Ecological and Recreational Management Plan (LERMP) (Appendix 8.14, App Doc Ref 5.4.8.14	
CO-9	Chapter 11: Community Table 5.2 - Securing Mitigation	Temporary requirement for land to construct the Waterbeach pipeline affects access to CBS Automotive	**Code of Construction Practice** Management of impacts to land temporarily required managed through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2) and CTMP: • requirement within the CoCP Part A for the reinstatement of ditches temporarily disturbed during construction • requirements to maintain access **CTMP** Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs) ~~)~~ ~~which~~: • requires connectivity/access to community facilities and residential properties to be maintained during works. • requires connectivity/access to community facilities and residential properties to be maintained during works	Construction	Section 4.4 (CEMP Para 4.4.4, Section 7.2 (Ecology and nature conservation), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Construction Traffic Management Plan Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
CO-10	Chapter 11: Temporary changes to Construction Community	~~Table 5.2 - Securing~~ Construction ES Chapter 2 Sections 2 para 2.9.3 and 3.1 access affecting residents ~~Community Mitigation residents on Low Fen Drove Way due to use during construction for access~~	Sequencing construction of the permanent access at the start to minimise disruption to Low Fen Drove Way ~~through a requirement of the draft DCO (App Doc Ref 2.1)~~	Construction	Design Plans - Highways and Site Access (App Doc Ref 4.11) Section 7.6, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured Table 5.2 - Securing Mitigation to use during construction sequence of assembly (App Doc Ref 5.2.2) for access	

Chapter Ref	MitigationSource	Description of impact	Mitigation measure	Secured by numberPhase	Reference document
locationSecuring mechanism					
				ocRefImplementation access controls as set out in Secti	on 6.3 of the CTMP5.4.2.1)Sections 6.3 of the Constructi

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
					on Traffic Management Plan (Appendix 19.7, App Doc	
			~~and Traffic and Transport measures of the CoCP in particular:~~ ~~• Section 6.3 Adherence to Designated Routes~~			

Chapter by number	Ref Phase	Mitigation location	Source Reference document	Description of impact	Mitigation measure	Secured Securing mechanism

Chapter	Mitigation	Description of impact	Mitigation measure	Secured by number	location
		Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road	App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)		
			Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO		carriageway at all times with suitable barriers separating the footway from the works

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 11: Community~~	~~Table 5.2 – Securing Mitigation~~	~~Temporary changes to recreational resources and open space – Waterbeach PRoW (130/16, 130/10, 130/6 and 130/8) due to the temporary crossings by the pipeline construction~~	~~Provision of gated crossings and appropriate signage to communicate temporary diversions as detailed in section 7.6 (Traffic and transport) of the CoCP Part A~~		~~Section 7.6 CoCP Part A (Appendix 2.1App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Chapter 11: Community~~CO-11	Chapter 11: Community Table 5.2 - Securing Mitigation	Temporary changes to ~~recreational resources and open spaces – Fen Ditton (PRoW 85/6 and PRoW 85/8) due to the temporary in-river~~access affecting residents on Low Fen Drove Way due to use during construction ~~works to construct the outfall~~for access	~~Temporary diversion of the PRoW 85/6 at the outfall works area using 85/8 and a temporary path to re-join the PRoW 85/6 upstream of the outfall works area~~ ~~Provision of diversions and appropriate signage to communicate temporary diversions as detailed in section 7.6 (Traffic and transport) of the CoCP Part A (Application Document Ref 5.4.2.1) in particular:~~**Construction Traffic Management Plan** ~~•~~ Implementation ~~of~~access controls as set out in ~~s~~Section ~~7.7~~6.3 of the ~~CoCP Part A (~~ CTMP and ~~Application Doc Ref: 5.4.2.1) Part A (~~Traffic and Transport~~) which includes~~ measures ~~for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.~~ of the CoCP in particular: • Section 6.3 Adherence to Designated Routes • Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing ~~(App Doc Ref 2.1)~~ footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works • Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works). ~~•~~• Requirement within section 3 of the CoCP Part A and B (~~Application~~Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of ~~changes to access because of PRoW realignment or diversion~~ ~~•~~ construction activity,~~A requirement for the use of safety gates to be put in place and users allowed to safely cross the~~ construction ~~working area~~ vehicle movements, diversions etc	Construction	Section 7.6, CoCP Part A (Appendix 2.1,~~(~~ App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Section~~s~~ 6.3 of the Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)~~, secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Community Liaison Plan (App Doc Ref 7.8) ~~which is secured through a requirement in the draft DCO (App Doc Ref 2.1~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	
~~Chapter 11: Community~~	~~Table 5.2 – Securing Mitigation~~	~~Temporary changes to recreational resources and open spaces due to the temporary in-river~~	~~Measures to manage the minimum width that must be retained and provide advance warning to users of the river are outlined in section 3.1 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2).~~		~~Section 3.1, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	

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~~Chapter by number~~	Ref	Phase	~~Mitigation~~	Source Reference document	Description of impact	~~location~~	Mitigation measure Securing mechanism	~~Secured~~

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism

4.19.7)

- ~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoin~~

~~t a Community Liaison Officer responsible for ensuring that~~

Chapter Ref by number Phase	Mitigation Source Reference document	Description of impact	Mitigation measure	Secured location Securing mechanism

relationships and lines of communication are maintained th

roughout the construction period including communication

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			~~of construction activity, construction vehicle movements~~		~~, diversions etc~~	

Chapter by number	Ref	Phase	Mitigation Reference document	Source location	Description of impact	Mitigation measure	Secured Securing mechanism
					construction works to construct the outfall that will affect the navigable width of the river	Measures to manage the minimum width that must be retained and provide advance warning to users of the river are outlined in section 3.1 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) in particular: • Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, Application Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period • Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion	DCO Schedule 2 Requirement 7 – Detailed design DCO SCHEDULE 2 Requirement 7 – Detailed design DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP	Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1
CO-12	Chapter 11: Community	Table 5.2 - Securing Temporary changes to recreational resources and open space – Waterbeach PRoW (130/16, 130/10, 130/6 and open spaces Horningsea Road 130/8)	**Code of Construction Practice** Provision of gated crossings and appropriate signage to communicate temporary diversions due to the temporary crossings by the pipeline construction	Construction	Sections 4.4 (CEMP) and 7.6 Section 7.6, CoCP Management of construction impacts to Horningsea Road through the implementation of the CTMP (Application Document Ref 5.4.19.7) in particular: • Section 6.3 Adherence to Designated Routes which must accord with the measures set out in Sections 6.3 and 6.9 of the Construction Traffic Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1), which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1) • Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works).	(Traffic and transport) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured Community Mitigation DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP a detailed Construction Environmental Management Plan
CO-13	Chapter 11: Community	Temporary changes to recreational resources and	**Design - Temporary diversion**	Construction	Sections 6.3 and 6.9 of the Construction Traffic Management Plan		Section 7.6 (Traffic and transport) CoCP Part A DCO Schedule 2, Requirement – 8 CoCP

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 12: Health~~	Table 5.2 - Securing Mitigation	open spaces - Fen Ditton (PRoW 85/6 and PRoW ~~Changes in access to areas of open space and recreation, including PRoW and the ability for local communities to undertake physical activity and live active lifestyles~~85/8) due to the temporary in-river construction works to construct the outfall	~~Inclusion of pedestrian and leisure cycling connections within the landscape masterplan~~Temporary diversion of the PRoW 85/6 at the outfall works area using 85/8 and a temporary path to re-join the PRoW 85/6 upstream of the outfall works area		Appendix 2.1, (App Doc Ref 5.4.2.1) Sections 6.3 of the ~~Landscape, Ecological and Recreational~~Construction Traffic Management Plan (Appendix ~~8.14~~19.7, App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO~~5.4.19.7) Community Liaison Plan (App Doc Ref ~~2.1~~7.8)	CO-14 DCO Schedule 2, Requirement 9 – CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
Chapter ~~12~~11: Community ~~Changes in access to areas of open space and Health~~ recreation, including PRoW and the ability for ~~local communities to undertake physical activity and live active lifestyles - Horningsea, users of Low Fen Drove Way, Chesterton, properties on the eastern end of Fen Road and Milton~~	Temporary changes to recreational resources and open spaces - Fen Ditton Table 5.2 - Securing Mitigation	~~D~~Provision of diversions and appropriate signage to communicate temporary diversions ~~as detailed in the CoCP.~~in particular: • Implementation of section 7.~~7~~6 of the CoCP Part A ~~(Traffic and Transport)~~which includes measures for temporary traffic control and measures ~~to~~ manage the impact upon users of the PRoW during the construction period. ~~Implementation of the CTMP in particular:~~ • ~~section 6.3 Adherence to Designated Routes~~ • ~~section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours~~ • ~~section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks~~		• ~~section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works Section 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	
~~Chapter 12: Health~~	~~Table 5.2 - Securing Mitigation~~	~~Changes in access to local services as a result of construction activities and changes to travel routes and delays~~	~~The CTMP states that there will be no construction traffic through Horningsea village. Section 4.2 of the CTMP states that hours of construction traffic operation will avoid the AM and PM peak periods as well as school pick up and drop off hours.~~		~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	~~Sections 4.2 of the Construction Traffic M App Doc Ref 5.4.19.7), secured through a (App Doc Ref 2.1)~~

~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact ~~Secured by number~~ ~~location~~	Phase Securing mechanism	Mitigation measure Reference document	
~~Chapter 12: Health~~	~~Table 5.2 - Securing Mitigation~~	~~Changes to health and wellbeing due to a combination of an increase in noise, air quality, dust, odour, traffic and visual effects due to works within the existing Cambridge WWTP, and works to construct the Waterbeach pipeline and Clayhithe~~			~~Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17).~~ ~~Management of construction activities that may impact community health and wellbeing will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 &5.4.2.2):~~ • ~~the management of air quality as set out within Section 6.9 of the CoCP Part A, Air quality, sets out a framework for the control of air quality during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an Air Quality/Dust Management Plan (AQMP) appended to/as part of the CEMP. This includes the following general measures to be will put in place to minimise emissions and avoid nuisance:~~ ~~— the engines of all vehicles and plant onsite will be turned off when not in use;~~ ~~— low emission vehicles and plant will be used as far as possible; and~~ ~~— movement of construction traffic around the working area will be minimised as far as possible~~ • ~~the management of noise impacts as set out within the CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP.~~ • ~~Restriction of working hours to avoid sensitive time periods for works at Shaft 4 and the Outfall.~~ • ~~Use of solid site hoarding/temporary acoustic barriers at Shaft 4, Waterbeach construction compound and around HDD pit locations/HDD plant during continuous working periods~~ • ~~Management of construction vehicle movements described within the CTMP (Appendix 19.7, App Doc Ref 5.4.19.7) to minimise disruption on the public highway in particular: — Section 6.3 Adherence to Designated Routes~~ ~~— Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out within an article in the DCO~~ • ~~Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the~~	~~Sectio secur~~ ~~Appro Mana Doc R~~ ~~Const 5.4.19 2.1)~~

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism

~~potential for flexible working patterns to facilitate travel outside of the peak periods.~~

- ~~the management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section~~

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure
			~~Secured by number~~Phase	Reference document
			~~location~~Securing mechanism	
			~~5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of wildlife sensitive lighting (<2700K, directional only with no upward orientation or light spill).~~	
			• ~~Removal of residual sludge via suction pump and taken offsite for treatment or treated onsite such as in a quick lime dosing plant. Implementation of Section 6, Decommissioning Management Plan (Appendix 2.3, App Doc Ref 5.4.2.3)~~	
			• ~~Use of odour suppression equipment, such as fogging/misting systems. Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1).~~	
			• Requirement within section 3 of the CoCP Part A ~~and B (Appendix~~	

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 12: Health~~	~~Table 5.2 - Securing Mitigation~~	~~Changes to health and wellbeing due to a combination of an increase in noise, air quality, dust, odour, traffic and visual effects~~	~~Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17).~~		~~Section 7.7 and 7.9, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App~~	

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact ~~Secured by number~~Phase ~~location~~Securing mechanism	Mitigation measure Reference document
~~due to the use of Fen Road and works to construct the Waterbeach pipeline~~				
~~Chapter 12: Health~~CO-15	Chapter 11: Community Table 5.2 - Securing Mitigation	Temporary ~~C~~changes to ~~health and wellbeing due to noise, air quality, dust, odour, traffic and visual effects~~recreational resources and open spaces due to the temporary in-river construction works to construct the outfall that will affect the navigable width of the river	**Code c** Inserted Cells Inserted Cells Measu provide advance warning to users of the river are outlined in section 3.1 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2). Measures to manage the minimum width that must be retained and provide advance warning to users of the river are outlined in section 3.1 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) in particular: • Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, Application Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period • Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion • ~~Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration~~	(Appe 5.4.2. requir ES Cha Descri The O 5.2.2) Appro of a C Enviro Mana throu draft Comm Const Mana 19.7, Ref 5. a requ DCO (Doc R
			~~2.1 & 22, Application Doc Ref: 5.4.2.1, 5.4.2.2) Part A~~ (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of • PRoW realignment or diversion	

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
					~~(Application Document Ref 5.2.17).~~	Approval and implementation of an Outfall Management Plan
						Section 7.6 which includes a requirement for the use of safety gates to be put in place and users allowed to safely cross the construction working area
Construction	Sections 3 (Community & Stakeholder Engagement) and 7.6 (Traffic and transport) CoCP Part A Appendix 2.1, (App Doc Ref 5.4.2.1)					DCO Schedule 2 Requirement 9 CEMP including a detailed community liaison plan which must accord with the measures set out in the community liaison plan
	Sections 6.7 of the Construction Traffic Management Plan (App Doc Ref 5.4.19.7)					
	Community Liaison Plan (App Doc Ref 7.8)					
	DCO Schedule 2, Requirement – 8 CoCP					
	DCO Schedule 2, Requirement 9 – CEMP					
	DCO Schedule 2 Requirement 8 CoCP					

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
CO-16	Chapter 11: Community Table 5.2 - Securing Road Mitigation **Construction Traffic Management Plan**	Temporary changes to recreational resources and open spaces Horningsea	• Section 6.9 Facilitate safe movement of users of the highway ~~Doc Ref 2.1).~~ Construction Traffic which requires maintaining the existing footway / cycleway to Management Plan the west of the Horningsea Road carriageway at all times with (Appendix 19.7, App Doc suitable barriers separating the footway from the works Ref 5.4.19.7), • Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works).		Construction	Sections 6.3 and 6.9 of the Section 7.6, CoCP Part A
H-1	Chapter 12: Health Table 5.2 - Securing Mitigation	Changes in access to areas of open space and recreation, including PRoW and the ability for local communities to undertake physical activity and live active lifestyles - Horningsea, users of Low Fen Drove Way, Chesterton, properties on the eastern end of Fen Road and Milton	**Design - Temporary Diversions** Diversions and appropriate signage to communicate temporary diversions as detailed in the CoCP Part A. Implementation of section 7.7 of the CoCP Part A (Traffic and Transport) includes measures for temporary traffic control and measures to manage the impact upon users of the PRoW during the construction period. Implementation of the CTMP in particular: • section 6.3 Adherence to Designated Routes • section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours • section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks • section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works		Construction	Sections 4.4 (CEMP) para 4.4.4 and 7.7 (Traffic and transport), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), ES Chapter 2:Project Description Section 3.8, Construction access, Access to the Final Effluent (FE) and storm pipeline works area (App Doc Ref 5.2.2) Rights of Way Plans (App Doc Ref 4.6),	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
H-2	~~Chapter 12:~~ Table 5.2 - Securing Mitigation	Changes in access to local services as a result of construction activities and changes to travel routes and delays	**Construction Traffic Management Plan** The CTMP states that there will be no construction traffic through Horningsea village. Section 4.2 of the CTMP states that hours of construction traffic operation will avoid the AM and PM peak periods as well as school pick-up and drop-off hours.	Management of construction impacts to Horningsea Road through the implementation of the CTMP (Application Document Ref 5.4.19.7) in particular: • Section 6.3 Adherence to Designated Routes	Construction	(Appendix 2.1, App Doc Ref 5.4.2.1) 1) Sections 4.2 of the Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7) DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP DCO Schedule 2, Requirem
H-3	Chapter 12: Health Table 5.2 - Securing Mitigation	Changes to health and wellbeing due to a combination of an increase in noise, air quality, dust, odour, traffic and visual	Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17). **Code of Construction Practice**		Construction	Sections 4.4 (CEMP), 3 (Community & Stakeholder Engagement), 7.7 (Noise and vibration) and 7.8 (Air quality) of CoCP Part A DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			ent 9 – CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
		effects due to works within the existing Cambridge WWTP, and works to construct the Waterbeach pipeline and Clayhithe	Management of construction activities that may impact community health and wellbeing will be through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 &5.4.2.2): • the management of air quality as set out within Section ~~6.9~~7.8 of the CoCP Part A, Air quality, sets out a framework for the control of air quality during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an Air Quality/Dust Management Plan (AQMP) appended to/as part of the CEMP. This includes the following general measures to be will put in place to minimise emissions and avoid nuisance: – the engines of all vehicles and plant onsite will be turned off when not in use; – low emission vehicles and plant will be used as far as possible; and – movement of construction traffic around the working area will be minimised as far as possible • the management of noise impacts as set out within the CoCP Part A, Section 7.7, Noise and vibration which requires the application of best practicable measures (BPM) as defined by the Control of Pollution Act 1974 (CoPA) and the Environmental Protection Act 1990 (EPA) for the control of noise. These measures are to be reflected within the Noise and Vibration Management Plan (NVMP) appended to/as part of the CEMP. – Restriction of working hours to avoid sensitive time periods for works at Shaft 4 and the Outfall. – Use of solid site hoarding/temporary acoustic barriers at Shaft 4, Waterbeach construction compound and around HDD pit locations/HDD plant during continuous working periods • ~~M~~management of construction vehicle movements described within the CTMP (Appendix 19.7, App Doc Ref 5.4.19.7) to minimise disruption on the public highway in particular: – Section 6.3 Adherence to Designated Routes – Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out within an article in the DCO – Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.	(Appendix 2.1, App Doc Ref 5.4.2.1) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7) Outline Construction Worker Travel Plan (5.4.19.9) Outline Decommissioning Plan (Appendix 2.3, App Doc Ref 5.4.2.3) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).		

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			• the management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1)			

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism	
			which requires that the contractors incorporate a strategy for				
H-5	Chapter 12: Health Table 5.2 - Securing Mitigation	Changes to health and wellbeing due to noise, air quality, dust, odour, traffic and visual effects – Fen Ditton	**Code of Construction Practice** Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17). Measures NV-1 to 3 and measures T1- T51 within mitigation tracker	Construction	Sections 4.4 (CEMP), 7.7 (Noise and vibration) and 7.9 (Waste Management and Resource Use), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7),	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP	19.7 App Doc Ref
			systems. Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1). • Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion				
H-4	Chapter 12: Health Table 5.2 - Securing Mitigation	Changes to health and wellbeing due to noise, air quality, dust, odour, traffic and visual effects ~~– Fen Ditton~~	**Code of Construction Practice** Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17). Measures NV-1 to 3 and measures T1- T51 within mitigation tracker	Construction	~~Section 7.7 and 7.9~~(Noise and vibration) and 7.9 (Waste Management and Resource Use), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ Construction Traffic Management Plan (Appendix 19.7, Appendix ~~requirement of the draft DCO (~~(Noise and vibration) and 7.9 (Waste Management and Resource Use), CoCP Part A (Appendix 2.1, App Doc Ref ~~2.1~~5.4.2.1)~~.~~ Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP	5.4.19.7),
	Chapter 12: Health Table 5.2 - Securing Mitigation	Changes to health and wellbeing due to a combination of an increase in noise, air quality, dust, odour, traffic and visual effects due to the use of Fen Road and works to construct the Waterbeach pipeline	**Code of Construction Practice** Relevant noise and traffic measures outlined in the CoCP as detailed in Chapter 19: Traffic and transport (Application Document Ref 5.2.19) and Chapter 17: Noise and vibration (Application Document Ref 5.2.17). Measures NV-1 to 3 and measures T1- T51 within mitigation tracker ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	Construction	Sections 4.4 (CEMP), 7.7 Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), ~~secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP	

~~Chapter~~ Ref	~~Mitigation~~Source	Description of impact		~~location~~Securing mechanism
~~Mitigation measure~~	~~Secured by number~~	Phase	Reference document	
H-6	Chapter 12: Health Table 5.2 - Securing Mitigation	~~Chapter Mitigation Description of impact Mitigation measure~~ ~~Secured by number location~~ ~~Landscape Masterplan~~ ~~Chapter 12: Table 5.2 Securing~~ Changes to social cohesion due to the ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, Health Mitigation~~ presence of new infrastructure changing ~~App Doc Ref 5.4.8.14) which is secured through a requirement in the draft established accesses and connectivity either~~ side of the area of land required for the proposed WWTP	Operation	Figure 4-1 wit the LERMP (Appendix 8.1 Doc Ref 5.4.8.14)	Management of potential community impacts through the inclusion of pedestrian and leisure cycling connections within the landscape masterplan to provide formalised access and retain connectivity ~~DCO (App Doc Ref 2.1) side of the area of land required for the proposed WWTP~~
	~~Chapter 12: Health~~	~~Table 5.2 Securing Mitigation~~	~~Potential risk to human health from due to potential sources of contamination during construction that may generate hazardous waste and substances (e.g. from hazardous landfill sites in the county or pollution incidents such as spills and leaks)~~	~~As detailed Chapter 16: M Document Ref 5.2.16).~~ ~~Management of human h waste and use of hazardo measures within Section the CoCP Part A in relatio waste in accordance with preparation of CEMP, an~~

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Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter 12: Health~~	~~Table 5.2 - Securing Mitigation~~	~~Potential risk to human health from hazardous waste and substances~~	~~Preparation of operational management plan associated with the EMS During operation, the Environmental Permit will require procedures as required by the permitting process. management system to cover waste management practices and procedures.~~			
~~Chapter 12: Health~~	~~Table 5.2 - Securing Mitigation~~	~~Potential risk to human health from hazardous waste and substances~~	~~Management of human l waste and use of hazard measures within Section the CoCP Part A in relatic waste in accordance witl preparation of CEMP, an~~			
H-7	Chapter 12: Health ~~Table 5.2 - Securing Mitigation~~	Potential risk to human health from ~~water~~ due to potential ~~Management of construction activities as described within the CoCP Health pollution. Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in~~ Table 5.2 - Securing sources of contamination Mitigation during construction that may generate hazardous waste and substances (e.g., from hazardous landfill sites in the county or pollution incidents such as spills and leaks) As detailed Chapter 16: Material resources and waste (Application Document Ref 5.2.16 (Measure ref MW-1 to MW 11 in Mitigation Tracker.	**Code of Construction Practice** ~~particular section 4.4 which requires the Principal Contractor(s) to produce a~~Management of human health risks from the creation of hazardous waste and use of hazardous substances through the application of measures within Section 7.9 (Was~~te Quality~~ Management ~~Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site.~~and Resource Use) of the CoCP Part A in relation to minimising and appropriately managing waste in accordance with environmental regulations through preparation of CEMP, and SWMP	~~The pla~~		

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	Securing mechanism

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism

~~Chapter~~ Ref ~~location~~	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~Securing mechanism~~
				Construction	Sections 4.4 (CEMP), and 7.7 (Noise and vibration), ~~Section 7.5,~~ CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a Requirement of the draft DCO (App Doc Ref 2.1)~~ DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement – 9 – CEMP ~~Approval and implementation of an Outfall Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Commissioning Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of an Decommissioning Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Outline Decommissioning Plan (Appendix 2.3, App Doc Ref 5.4.2.3)
H-8	Chapter 12: Health Table 5.2 – Securing Mitigation	Potential risk to human health from hazardous waste and substances	**Environmental Management System** Preparation of operational management plan associated with the EMS procedures as required by the permitting process.	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2)	Environmental Permit
H-9	Chapter 12: Health Table 5.2 – Securing Mitigation	Potential risk to human health from hazardous waste and substances	**Code of Construction Practice** Management of human health risks from the creation of hazardous waste and use of hazardous substances through the application of (Waste Management and Resource Use) of CoCP Part A in relation to minimising and appropriately managing ~~requirement for the safe storage and handling of potentially contaminating materials including fuels and oils~~ waste in accordance with ~~the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ environmental regulations through preparation of CEMP, and SWMP	Construction	Sections 4.4 (CEMP), and 7.7 (Noise and vibration), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) measures within Section 7.9 the	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement – 9 CEMP

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
H-10	Chapter 12: Health Table 5.2 – Securing Mitigation	Potential risk to human health from water pollution.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A. in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters (as defined within in Section 104 (1) of the Water Resources Act 1991 and Section 30A (d) of the Control of Pollution Act 1974'-) including: • measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits	Construction	Sections 4.4 (Construction Environment Management), and 7.5 (Water Resources and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Outline Decommissioning Plan (Appendix 2.3, App Doc Ref 5.4.2.3)	DCO Schedule 2, Requirement – 8 CoCP DCO Schedule 2, Requirement 9 – CEMP

~~•~~

~~• requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~

~~• requirement to have in place emergency response measures including stopping works, training of staff, use of spill response equipment~~

~~• the application of measures to prevent run-off from construction such as the use of cut-off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~

~~Drainage strategy (Appendix 20.12, App Doc Ref 5.4.20.12) which is~~

~~Chapter 12: Health~~	~~Table 5.2 – Securing Mitigation~~	~~Temporary concern for local communities in close proximity to the Proposed Development due to the presence of a construction workforce affecting social cohesion.~~	~~A draft CLP has been prepared by the Applicant which contains measures for how communication of construction activity will be undertaken. This includes the frequency of such liaison, the status of the construction works, construction programme and a complaints procedure.~~ ~~The CoCP Part A (section 3 Community and Stakeholder Engagement, section 4.3 Considerate Constructors Scheme, section 5.2 Training and Site Induction, section 4.2 Environmental and Health and Safety Management Systems) requires all construction workers to receive appropriate training, which includes expectations regarding respecting and showing courtesy to the local community.~~		~~Sections 3, 4.2, 4.3, 5.2 and 7.6, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	

~~secured through a requirement in the draft DCO (App Doc Ref 2.1)~~

~~Lighting Design strategy (Appendix 2.5, App Doc Ref 5.4.2.5) which is~~

~~Chapter~~ Ref location~~Securing mechanism~~		~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	
			• requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained • requirement to have in place emergency response measures including stopping works, training of staff, use of spill response equipment • the application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.				
H-11	Chapter 12: Health Table 5.2 – Securing Mitigation DCO Schedule 2, Requirement – 8 CoCP	Temporary concern for local communities in close proximity to the Proposed Development due to the presence of a construction workforce affecting social cohesion.	**Community Liaison Plan** A draft CLP has been prepared by the Applicant which contains measures for how communication of construction activity will be undertaken. This includes the frequency of such liaison, the status of the construction works, construction programme and a complaints procedure. The CoCP Part A (section 3 Community and Stakeholder Engagement, and Site Induction) 6, CoCP section 4.3 Considerate Constructors Scheme, section 5.2 Training and Site Induction, section 4.2 Environmental and Health and Safety Management Systems) -requires all construction workers to receive appropriate training, which includes expectations regarding respecting and showing courtesy to the local community.	Construction	Sections 3 (Community and Stakeholder Engagement), section 4.2 (Environmental and Health and Safety Management Systems) (,4.3 (Considerate Constructors Scheme), and 5.2 (Training Part A (Appendix 2.1, App Doc Ref 5.4.2.1) s Community Liaison Plan (App Doc Ref 7.8)	~~secured through a requirement in the draft DCO~~DCO Schedule 2, Requirement 9 – CEMP including a detailed community liaison plan which must accord with the measures set out in the community	

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
liaison plan (App Doc Ref ~~2.1~~7.8)						
HE-1	Chapter 13: Historic Environment Table 5.2 – Securing Mitigation	Change in character of HLCA22 and other HLCAs.	**Code of Construction Practice** Where possible the land required for the construction of the treated effluent transfer pipelines, following the works, will be returned to its current character.	Construction	Section 4.4 (Construction Environment Management) and 7.4 (Land quality, soil management), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 5.4, Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2 Requirement 8 – COCP, Requirement 9 – CEMP
HE-2	Chapter 13: Historic Environment Table 5.2 ~~–~~ Securing Mitigation	Operational change within the setting of heritage (HE011, HE040, HE095 and HE096) and historic landscape (HLCA69) assets.	**Lighting Design** The lighting will be designed to reduce the upward spread of light and to minimise glare, reducing the impact on the surrounding heritage assets. It will also only be switched on when activated by a sensor, or where required for a specific task.	Operation	Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).	DCO Schedule 2 Part 1 Requirement 7 –- Detailed design
HE-3	Chapter 13: Historic Environment Table 5.2 – Securing Mitigation	Operational change within the setting of heritage (HE011, HE040, HE095 and HE096) and historic landscape (HLCA69) assets.	**Landscape Masterplan** The landscape master plan will be designed to reduce the visual impact on historic landscape assets and character area.	Operation	ES Chapter 3 Alternatives Section 7 Landscape Evolution, Building Heights, and Finishes (App Doc Ref 5.2.3) Figure 4-1 within the LERMP (Appendix 8.14App Doc Ref 5.4.8.14)	DCO Schedule 2 Part 1 Requirement 11– LERMP
HE-4	Chapter 13: Historic Environment Table 5.2 ~~–~~ Securing Mitigation	~~Change in character of HLCA22 and other HLCAs.~~ DCO Schedule 2 Part 1 impacts from change within the setting or to the character of heritage assets (HE011, HE040, HE095, HE096).	~~Where possible the land required for the construction of the treated effluent transfer pipelines, following the works, will be returned to its current character.~~ Archaeological remains which will be impacted by the proposed development will be subject to an additional programme of archaeological investigation and recording to be agreed with CHET.	~~Historic~~Permanent construction	**Archaeological Mitigation Strategy** Construction CoCP Part A 7.3 (Historic ~~Mitigation~~ Environment, para 7.3.1 – ~~Section 7.4, CoCP Part A~~ 7.3.7, (Appendix 2.1, App Doc Ref 5.4.2.1)	~~Requirement 13–~~ AIMS

~~Chapter~~ location	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	Securing mechanism
HE-5	Chapter 13: Historic Environment Table 5.2 ~~–~~ Securing Mitigation	Permanent construction impacts from change within the setting or to the character of heritage assets (HE011, HE040, HE095, HE096).	**Landscape Masterplan** The landscape master plan will be designed to reduce the visual impact on historic landscape assets and character area	Construction	ES Chapter 3 Alternatives Section 7 Landscape Evolution, Building Heights and Finishes (App Doc Ref 5.2.3) Landscape, Ecological and Recreational Management Plan para 1.2.2 bullet 3 (Appendix 8.14, App Doc Ref 5.4.8.14)	SCO Schedule 3 DCO Schedule 2 Part 1 Requirement 11– LERMP	Archaeological remains which will be impacted by the proposed HE1306, HE1307, HE1308, and 7.3 (Historic
HE-6 Removal of archaeological	Chapter 13: Historic Environment Table 5.2 – Securing Mitigation	development will be subject to an additional programme of archaeological investigation and recording to be agreed with CHET.	HE1310, HE1328 and HE1329).	Environment, para 7.3.1 – 7.3.7) CoCP Part A Section 5.4, Outline SMP (Appendix 6.32.1, App Doc Ref 5.4.6.3) which are 2.1)			
Archaeological Mitigation Strategy Construction		~~secured through requirements of the draft DCO (App Doc Ref 2.1)~~ ~~Approval of the Landscape masterplan in the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14)~~					
~~Chapter 13: Historic Environment~~	~~Table 5.2 – Securing Mitigation~~	~~Operational change within the setting of heritage (HE011, HE040, HE095 and HE096) and historic landscape (HLCA69) assets.~~	~~The lighting will be designed to reduce the upward spread of light and to minimise glare, reducing the impact on the surrounding heritage assets. It will also only be switched on when activated by a sensor, or where required for a specific task.~~ ~~The landscape master plan will be designed to reduce the visual impact on historic landscape assets and character area.~~	~~Approval of the Design Plans (App Doc Ref 4.9) and Landscape master plan in the LERMP (Appendix 8.14App Doc Ref 5.4.8.14)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to~~			
Sections 4.4 (Construction Environment~~al~~ Management) ~~Plan secured through a r~~Requirement ~~of the draft DCO (App Doc Ref 2.1).~~13– AIMS	DCO Schedule 2 Part 1 remains (HE1303, HE1304, ~~Approval and implementation of a Construction~~						

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~		
				~~comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5).~~		
HE-7	Chapter 13: Historic Environment Table 5.2 – Securing Mitigation	~~Table 5.2 – Securing Mitigation~~	~~Permanent construction impacts from~~Temporary change within the setting and/or ~~to the~~ character of ~~heritage~~ assets (HE011, HE095, HE040, ~~HE095,~~ HE096) during construction.	~~Archaeological remains which will be impacted by the proposed development will be subject to an additional programme of archaeological investigation and recording to be agreed with CHET.~~ **Construction Traffic Management Plan** Construction traffic will be routed around rather than through Horningsea Conservation Area. As set out within CoCP Part A Section 7.6 (Traffic and Transport, Construction traffic management plan (CTMP)) a CTMP will be implemented to reduce and manage the effects of construction vehicle movements associated with the Proposed Development.~~The landscape master plan will be designed to reduce the visual impact on historic landscape assets and character area~~	Construction	~~Landscape, Ecological and Recreational Management Plan~~Section 4 (Access and route strategy, Table 4-1) CTMP (Appendix ~~8.14~~19.7, App Doc Ref ~~5.4.8.14) which is secured through a requirement in the draft DCO (~~5.4.19.7) Sections 4.4 (Construction Environment Management) and 7.6 (Traffic and transport) CoCP Part A (Appendix 2.1, App Doc Ref ~~2.1~~ 5.4.2.1)	DCO Schedule 2 Requirement 8 – COCP, Requirement 9 – CEMP
~~Chapter 13: Historic Environment~~	~~Table 5.2 – Securing Mitigation~~	~~Removal of archaeological remains (HE1303, HE1304, HE1306, HE1307, HE1308, HE1310, HE1328 and HE1329).~~	~~Archaeological remains which will be impacted by the proposed development will be subject to an additional programme of archaeological investigation and recording to be agreed with CHET.~~	~~Archaeological Investigation Method Strategy secured through a requirement of the draft DCO (App Doc Ref 2.1)~~		

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~~Chapter~~ ~~by number~~	Ref Phase	~~Mitigation~~Source Reference document	Description of impact ~~location~~	Mitigation measure Securing mechanism	~~Secured~~
HE-9	Chapter 13: Historic Environment ~~Table 5.2 – Securing Mitigation~~ Temporary change within ~~the setting and/or~~ character of assets (HE011, HE095, HE040, Horningsea Conservation Area. Environment HE096) during construction. Measures are set out within Sections ~~7.3 and 7.6 of the CoCP, Part A.~~ 4.4 (CEMP) 5.9 the setting and/or character (Lighting) para 5.9.4 CoCP	The lighting proposed will be mounted to minimise the spread of light in the surrounding area~~.~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~			
~~Chapter 14: Land Quality~~	~~Table 5.2 – Securing Mitigation~~	~~Damage from aggressive ground conditions on buried structures and infrastructure: water supply pipe infrastructure, concrete structures (e.g., foundations) and tunnels.~~	~~Design of structures and materials for the ground conditions present~~ ~~Operational monitoring structural conditions and asset inspections (secondary)~~	~~Requirement within Schedule 2 f the draft DCO (App Doc Ref 2.1) to submit a detail design for approval.~~ ~~Asset Management Plan (Appendix 9.1, App Doc Ref 5.4.9.1), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Chapter 14: Land Quality~~	~~Table 5.2 – Securing Mitigation~~	~~Exposure of on-site and off-site land users to contamination through direct contact, ingestion or inhalation of dusts from contaminated soils which are reused on-site as part of the landscaping~~	~~Application of CL:AIRE Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) for the reuse of excavated waste materials~~ Doc Ref 5.4.2.1), if required.	~~Section 7.9, Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1), if required)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Materials Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	
~~Chapter 14: Land Quality~~	~~Table 5.2 – Securing Mitigation~~	~~Exposure to contaminated soils through inhalation – off-site land users~~	~~Dust control measures set out in CoCP Part A Section 7.8 (Air Quality)~~	~~Section 7.8, COCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	
Code of Construction ~~traffic will be routed around rather than through Historic~~ Practice – Construction lighting design ~~Mitigation~~		DCO Schedule 2 Requirement 8 – COCP, Requirement 9 – CEMP DCO Schedule 2 Requirement 14 – Construction lighting			

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
LQ-1	Chapter 14: Land Quality Table 5.2 – Securing Mitigation	Damage from aggressive ground conditions on buried structures and infrastructure: water supply pipe infrastructure, concrete structures (e.g., foundations) and tunnels.	**Design of proposed WWTP and transfers** Design of structures and materials for the ground conditions present	Operation	ES Chapter 2, Section 2.8 Waterbeach pipelines para 2.8.17, 3.4 Construction techniques and methodology para 3.4.29 (App Doc Ref 5.2.2) ES Chapter 14, Table 2-14 (App Doc Ref 5.2.14)	DCO Schedule 2 Requirement 7 – Detailed design
LQ-2	Chapter 14: Land Quality Table 5.2 – Securing Mitigation	r supply environmental pipe infrastructure, management (App Doc Ref concrete structures (e.g., 5.2.2) foundations) and tunnels.			~~Section 7.3 & 7.6, CoCP Part A~~Asset Management Plan (Appendix ~~2~~9.1, App Doc Ref ~~5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	

Damage from aggressive **Asset Management Plan**

Operation ES Chapter 2 Project DCO Schedule 2 ground conditions on buried Operational monitoring structural conditions and asset

Description Section 5.1 Requirement 7 – Detailed structures and inspections (secondary)

Operation, Operational design

infrastructure: water

~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
LQ-3	Chapter 14: Land Quality ~~Table 5.2 – Securing Mitigation~~	Exposure of on-site and off-site land users to contamination through direct contact, ingestion or inhalation of dusts from ~~(if required)~~ contaminated soils which are reused on-site ~~as part of the landscaping~~	**Code of Construction Practice** Application of CL:AIRE Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) for the reuse of excavated waste materials (if required)	Construction	Section 7.9 (Land quality, waste minimisation) para 7.9.16 Code of Construction Practice (CoCP) Part A, (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 – COCP
LQ-4	Chapter 14: Land Quality ~~Table 5.2 – Securing Mitigation~~	~~Partial loss of river terrace deposits during~~ Exposure to contaminated soils through inhalation – off-site land users	~~Ensure maximum reuse of materials within the Proposed Development~~ ~~c~~**Code of Construction Practice – Dust control** ~~through application of measures~~ Dust control measures will be mitigated proportionally using the measures using the IAQM 'Guidance on the assessment of dust from	Construction	Sections 4.4 (CEMP) Para 4.4.4. and 7.8 (Air quality, Dust control), COCP Part A ~~Section 7.9, COCP Part A~~ (Appendix 2.1, App Doc Ref ~~5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ nt Plan as set out in CoCP Part A Section 4.4 (CEMP) 5.4.2.1) Management	DCO Schedule 2 Requirement 8 – COCP, Requirement 9 – CEMP

~~Approval and implementation of an Air Quality/Dust Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Approval and implementation of an Air Quality/Dust Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Approval and implementation of a Materials Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
LQ-5	~~Table 5.2 - Securing Mitigation~~	Partial loss of river terrace ~~Migration of contamination or leachate from inappropriate reuse of soils on the proposed WWTP site~~ deposits during construction	~~Application of CL:AIRE Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) for the reuse of excavated waste materials (if required)~~Code of Construction Practice – Excavated Material Management	Construction	Sections 4.4 (CEMP) Para 4.4.4. and 7.9 (Waste management and resource	DCO Schedule 2 Requirement 8 – CoCP, Requirement 9 – CEMP
LV-1	Chapter ~~14~~15: Landscape and Visual	Damage to retained vegetation within the area of land required for the construction access as indicated in	**Code of Construction Practice – Minimisation of working area**	Construction	Proposed WWTP Arboricultural Impact Assessment (Appendix 8.17, Table 5.2 ~~–~~ Securing	Minimise road and junction widening for work areas including temporary

section 7.2 of the CoCP Part A. ~~Migration of existing contamination through Any pre-existing contamination would be adequately managed through~~ ~~Approval and implementation of a Construction Environmental Land Quality~~ proposed WWTP Mitigation ~~preferential pathways to controlled waters~~ ~~the contaminated land regime (LCRM) to ensure that the operational~~ ~~Management Plan secured through a requirement of the draft DCO (App~~ ~~(by piling, pipelines, tunnelling and~~ ~~area is suitable for use.~~ ~~Doc Ref 2.1).~~ ~~construction of shafts)~~ Land Quality App Doc Ref 5.4.8.17

Waterbeach Pipeline Arboricultural Impact ~~Outline SMP~~Assessment (Appendix ~~6.3~~8.19, App Doc Ref ~~5.4.6.3) which are secured through the~~

~~Section 7.9, COCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Approval and implementation of a Materials Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

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~~Chapter~~	Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document ~~location~~Securing mechanism
LV-2	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation	~~Table 5.2 - Securing Mitigation~~	Direct and indirect impacts on landscape character and visual receptors due to operation of the proposed WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.~~Damage to existing vegetation to be retained~~	~~Use of protective fencing around the perimeter of the root protection zones as set out in the arboricultural report (App Doc Ref 5.4.8.17) , minimise road and junction widening for temporary construction access.~~ **~~Landscape Masterplan~~** Design of landscape masterplan within the LERMP to derive a multifunctional masterplan that integrates design measures (earth bank and planting) to integrate the development into the landscape and screen tall structures to minimise prominence of the infrastructure in the landscape and views. Landscape design and maintenance within the landscape masterplan in the LERMP.~~CoCP Parts A (App Doc Ref 5.4.2.1 & 2) which requires that any planting as part of the Proposed Development which dies or becomes seriously damaged or diseased within five years after completion of construction will be replaced in the first available planting season with stock of the same species and size as that originally planted unless otherwise agreed with the Local Planning Authority~~ Initial planting during construction: trees along Horningsea Road, trees and hedgerows along Low Fen Drove way and planting in gaps in the existing shelter belt between Horningsea and the Proposed WWTP.	Operation	Section ~~7.2, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~8.6, Mitigation through Green infrastructure in the Design and Access Statement (Application Document Ref 7.6). Figure 3.1 within the Landscape, Ecological and Recreational Management Plan (App Doc Ref 5.4.8.14	SCO Schedule 3 DCO Schedule 2 Part 1 Requirement 11– LERMP	~~raft DCO (App Doc Ref 2.1)~~ 5.4.8.19) CoCP Part A Section 7.2 (Ecology and Nature Conservation, Tree/hedgerow removal) Para 7.2.62
	Table 5.2 – Securing Mitigation		Reuse of materials within the Proposed Development through application of CoCP Part A, Section 7.9 (Waste management and resource use, Waste minimisation) implemented through an approved Materials Management Plan	~~requires~~ use, Waste minimisation) COCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	~~meant~~	
		DCO Schedule 2 Requirement 8 – COCP, Requirement 9 – CEMP		~~so that the~~		

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~~Chapter~~ by number	Ref	~~Mitigation~~ location	Source	Description of impact	Mitigation measure	~~Secured~~
Phase			Reference document		Securing mechanism	
LV-3	Chapter 15: Landscape and Visual Mitigation		Table 5.2 – Securing	Direct and indirect impacts on landscape ~~Landscape and Visual~~ character and visual receptors due to operation of the proposed WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall. **Design of ~~landscape masterplan within the LERMP to derive a multifunctional masterplan that integrates design measures (earth bank and planting) to integrate the development into the landscape and screen tall structures to minimise prominence of the infrastructure in the landscape and views~~ proposed WWTP** Design of structures in the proposed WWTP to minimise prominence of the infrastructure in the landscape and views.	Selection of materials and finishes to the structures of the proposed WWTP as described in the Design and Access Statement (Application Document Ref 7.6). ~~Landscape design and maintenance within the landscape masterplan in the LERMP (Appendix 8.14, App Doc Ref 5.4.8.14). Initial planting during construction: trees along Horningsea Road, trees and hedgerows along Low Fen Drove way and planting in gaps in the existing shelter belt between Horningsea and the Proposed WWTP.~~	~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14)~~ ~~which is secured through a requirement in the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Section 7.2 Tree/Hedgerow removal, CoCP Part A and Section 3.3 of Part B (Appendix 2.1 & 2.2, App Doc Refs 5.4.2.1 and 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Section 5.4, Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) which are secured through requirements of the draft DCO (App Doc Ref 2.1).~~
Operation	ES Chapter 3 Alternatives Section 7 Landscape Evolution, Building Heights and Finishes (App Doc Ref 5.2.3) Section 8.6, Mitigation through Green infrastructure in the Design and Access Statement (Application Document Ref 7.6).					
ES Chapter 2 Project	Description Section 2.13		Further associated development and site-wide provisions, Para 2.13.1 (App Doc Ref 5.2.2.)		SCO Schedule 3 DCO Schedule 2 Part 1	Requirement 11– LERMP

~~Chapter~~ Ref ~~location~~Securing mechanism	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document
LV-5 Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation Direct and indirect impacts on landscape character and visual receptors due to operation of the proposed WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall. **Outfall and Riverbank Design** Operation ES Chapter 2 Project DCO Schedule 2 Description Section 2.12 Requirement 7 – Detailed Design measures to avoid or minimise loss of river habitat within the he Ou tfa ll 2 (A pp Do c Re f de sig n Riv er Ca m ar e: 5.2.2) ● designing outfall and chamber to allow reinstatement of ditch e	s i g n P l a n s – O u t f a l l (A p p p a r a l l e l t o R i v e r C a m t o s a m e p r o	file T D	Doc Ref 4.13 ● design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river; ● minimising extent of river bank protection works; and ● design that includes embedded 'Green' engineering features within river bank protection works that seeks to maintain		

~~Chapter~~Ref	~~Mitigation~~Source mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase	Referenc	~~securing~~
			hydrological connection to the river bank and encourage natural reinstatement of marginal vegetation.			
LV-6	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation	Direct and indirect impacts on landscape character and visual receptors due to operation of the proposed WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	**Outfall and Riverbank Design** Design measures to avoid or minimise loss of river habitat within the River Cam are: • designing outfall and chamber to allow reinstatement of ditch parallel to River Cam to same profile • design of outfall (orientation and sizing) to minimise land required overall and to limit the extent of the structure within the river; • minimising extent of river bank protection works; and • design that includes embedded 'Green' engineering features within river bank protection works that seeks to maintain hydrological connection to the river bank and encourage natural reinstatement of marginal vegetation.	Ope	Inserted Cells Inserted Cells Inserted Cells Inserted Cells Inserted Cells ~~related to operation of the outfall will be minimised through rectifying erosion as determined through operational monitoring~~Doc Ref 4.13	
LV-7	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation Direct and indirect impacts **Outfall Management and Monitoring Plan** on landscape character and	Direct and indirect impacts related to operation of the outfall will be ~~Approval and implementation of a OMMP secured through a requirement~~visual receptors due to minimised through rectifying erosion as determined through operational ~~of the draft DCO (App Doc Ref 2.1). operational monitoring~~ operation of the proposed monitoring WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.		Operation	ES Chapter 2 Project Description Section 2.12 The Outfall 2 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13 Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 10 - Outfall management and monitoring plan
LV-8	Chapter 15: Landscape and Visual Table 5.2 – ~~-~~ Securing Mitigation	Direct and indirect impacts on landscape character and visual ~~amenity~~receptors due to operation~~construction~~ of the proposed WWTP due to presence of new infrastructure in the rural landscape increases urbanising influence on the features in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	**Lighting Design Strategy** Design of structures to reduce visual impact, design of lighting to minimise lighting impacts on the night-time landscape and views. Design measures to prevent or minimise artificial light are: • exclusion of lighting provision on the access road • the use of directional lighting of <2700K and use of maximum height lighting columns of 5m within the proposed WWTP • habitat creation within the landscape masterplan that serves a screening function once mature	Oper	Inserted Cells Inserted Cells Inserted Cells Inserted Cells ~~requirement in the draft DCO (App Doc Ref 2.1))~~ ~~Landscape, Ecological and Recreational Management Plan (Appendix 8.14, App Doc Ref 5.4.8.14) which is secured through a requirement in the draft DCO (App Doc Ref 2.1).~~	

mpact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
				~~Approval and implementation of a detailed management and monitoring plan secured to comply with LERMP secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

on Project

mpact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism		
~~Chapter 15:~~	~~Table 5.2 - Securing~~	~~Direct and indirect impacts on landscape character and visual amenity due to construction of the WWTP and the presence of construction equipment and activity in in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.~~	~~Provision of solid hoardings between Shaft 4 construction compound~~	~~Management of impacts to land temporarily required managed through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2):~~ ~~▲ requirement within the CoCP Part A for the reinstatement of ditches temporarily disturbed during construction~~ ~~▲ minimising severance of hedgerows and reinstatement of hedgerows.~~ ~~▲ replanting and maintenance of replanted trees, hedgerow and vegetation removed during construction~~ ~~▲ implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.~~ ~~Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Lighting) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of lighting with no upward orientation or light spill~~	~~Requirement for solid hoarding at shaft 4 and screening at the compound~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Section 7.2 Tree/Hedgerow removal, CoCP Part A and Section 3.3 of Part B (Appendix 2.1 & 2.2. App Doc Ref 5.4.2.1 and 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) which are secured through the requirements of the draft DCO (App Doc Ref 2.1)~~ ~~Construction lighting design to comply with to comply with the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
~~Landscape~~LV-9 ~~and~~	Chapter 15: **Code of Construction Practice – Site Set** Construction and Visual Requirement 8 – CoCP ~~Mitigation~~ Table 5.2 – Securing ~~Visual~~ Mitigation	activity in in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	Provision of solid hoardings between Shaft 4 construction compound and	Red House Close, near Poplar Hall Farm House and at the outfall compound to partially screen the construction of the proposed WWTP.	B (Appendix 2.2, App Doc Ref 5.4.2.2) Section 4.4 (Construction environment management plan CoCP Part A) (Appendix 2.2, App Doc Ref 5.4.2.1) and outfall to the River ~~and secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Cam) and Section 3.2 (Transfer Tunnel) CoCP Part	Landscape Direct and indirect impacts **Up and General Arrangements** 3.1 (3.1 Treated character and effluent and storm pipelines hoardings between compound and DCO Schedule 2 Requirement 9 – CEMP

impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
LV-10	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation	Direct and indirect impacts on landscape character and visual amenity due to construction of the WWTP and the presence of construction equipment and activity in in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	**f Construction Practice - Replanting and reinstatement of habitats** will be and B: • nent of impacts to land temporarily required for construction anaged through measures as described within the CoCP Part A • requirement within Section 5.14 (Watercourses/drainage channels) for the reinstatement of ditches temporarily disturbed during construction • minimising severance of hedgerows and reinstatement of hedgerows (Section 7.2 Ecology and Nature Conservation). • replanting and maintenance of replanted trees, hedgerow and vegetation removed during construction	Construction	Sections 5.14 Watercourses / drainage channels, and 7.2 (Ecology and Nature Conservation, Tree/Hedgerow removal CoCP Part A (Appendix 2.2, App Doc Ref 5.4.2.3) Section 3.3 CoCP Part B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 and 5.4.2.2)	DCO Schedule 2 Requirement 8 – CoCP, Requirement 9 – CEMP
LV-11	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation	Direct and indirect impacts on landscape character and visual amenity due to construction of the WWTP and the presence of construction equipment and activity in in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	**Code of Construction Practice** Implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (Appendix 6.3, App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.	Construction	Sections 4.4 (CEMP) Para 4.4.4., Section 7.2 (Ecology and Nature Conservation, Tree/Hedgerow removal and 7.4 (Land Quality, soil management) COCP Part A (Appendix 2.2, App Doc Ref 5.4.2.1) Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3)	DCO Schedule 2 Requirement 8 CoCP Requirement 9 CEMP
LV-12	Chapter 15: Landscape and Visual Table 5.2 – Securing Mitigation	Direct and indirect impacts on landscape character and visual amenity due to construction of the WWTP and the presence of construction equipment and activity in in the Eastern Fen Edge Chalklands and the River Cam Corridor LCA and views close to proposed WWTP and Outfall.	**Lighting Design** Management of lighting through the Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 5.9 (Lighting) ~~2.5~~(Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) ~~(secured through requirements in the DCO)~~, which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of lighting with no upward orientation or light spill	Construction	Section 5.9 Site Lighting CoCP Part A and Section 3.3 of Part B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 and 5.4.2.2) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP DCO Schedule 2 Requirement 14 – Construction lighting
LV-13	Chapter 15: Landscape and Visual ~~Landscape and Mitigation~~ ~~Table 5.2 – Securing~~ Mitigation	Direct and indirect impacts on landscape character and visual receptors due to ~~Visual~~	**Code of Construction Practice** Management of impacts to land temporarily required managed through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2 2):	Construction	Sections 4.4 (CEMP) ,7.2 (Ecology and Nature Conservation) Tree/Hedgerow removal,	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

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impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
		construction of Waterbeach ~~Pipeline~~ Pipeline	• requirement within the CoCP Part A for the reinstatement of ditches temporarily disturbed during construction • use of solid site hoarding/temporary acoustic barriers at Waterbeach construction compound and around HDD pit locations/HDD plant during continuous working periods. • implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.	Management of impacts to land temporarily required managed through measures as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.22):
		~~• requirement within the CoCP Part A for the reinstatement of ditches temporarily disturbed during construction~~		

use of solid site hoarding/temporary acoustic barriers at Waterbeach construction compound and around HDD

Section 7.2, ~~CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

Impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
	~~Approval and implementation of a CEMP secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	~~Section 7.2 Tree/Hedgerow removal, CoCP Part A and Section 3.3 of Part B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 and 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
		pit locations/HDD plant during continuous working periods.		
	~~• implementation of measures set out under section 7.4 of the CoCP Part A in respect of Soil Management and in the Outline Soil Management Plan (App Doc Ref 5.4.6.3) which will ensure the rapid and effective reestablishment of habitats especially hedgerows.~~			
		~~Management of lighting through the Lighting Design Strategy (App Doc~~		
	CoCP Part A and Section 3.3 of Part B (Appendix 2.1 &	DCO Schedule 2 Requirement 14 – 2.2,	Construction lighting 5.4.2.2) Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) ~~which are secured through the requirements of the draft DCO (App Doc Ref 2.1)~~	
	~~Ref 5.4.2.5)] and the CoCP Part A, Section 5.9 (Lighting) (~~App Doc Ref 5.4.2.1~~) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (~~secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of light during construction. This strategy includes requirements for the use of lighting with no upward orientation or light spill.~~ and		Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5) ~~secured through a requirement in the draft DCO (App Doc Ref 2.1)2.1)~~ ~~Construction lighting design to comply with to comply with the~~	
~~Chapter 16: Material Resources and Waste~~ LV-14	Chapter 15: Landscape and Visual Table 5.2 ~~–~~ Securing Mitigation	~~Depletion of material~~Direct and indirect impacts on landscape character and visual ~~resource~~receptors due to ~~the~~ construction of ~~the Proposed Development~~Waterbeach Pipeline	~~100% reuse of the excavated material within trench reinstatement or landscape masterplan for Waterbeach Pipeline~~	**Lighting Design** Management of lighting through the Lighting Design Strategy (App Doc ~~Section 7.9,~~Ref 5.4.2.5)] and the CoCP Part A, ~~(Appendix 2.1,~~ Section 5.9 (Lighting) (App Doc Ref 5.4.2.1) which requires that the contractors incorporate a strategy for temporary lighting into the CEMP(s) (secured through ~~a~~ requirements ~~of~~in the ~~draft DCO (App Doc Ref 2.1)~~ DCO), which will collectively secure deliver appropriate mitigation of light during ~~Approval and implementation of a C~~construction. ~~Environmental~~ This strategy includes ~~Management Plan secured through a~~ requirements ~~of~~for the ~~draft DCO (App Doc Ref 2.1).~~use of lighting with no upward orientation or light spill ~~Approval and implementation of a Site Waste Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1)~~.	Construction	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP DCO Schedule 2 Requirement 14 – Construction lighting
				Sections 4.4 (CEMP) , and 7.2 (Ecology and Nature Conservation, Tree/Hedgerow removal~~,~~) CoCP Part A and Section 3.3 of Part B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 and 5.4.2.2) Outline SMP (Appendix 6.3, App Doc Ref 5.4.6.3) Lighting Design Strategy (Appendix 2.5, App Doc Ref 5.4.2.5)
MW-1	Chapter 16: Material Resources and Waste Table 5.2 – Securing Mitigation	~~Table 5.2 – Securing~~ resources due to the construction of the Proposed Development	Depletion of material 100% reuse of ~~90% of~~the excavated material within trench reinstatement or landscape masterplan for Waterbeach Pipeline through implementation of an approved Site Waste Management Plan.	**Code of Construction Practice Material reuse** ~~Section 7.9,~~use) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured~~	Construction	Sections 4,4 CEMP para 4.4.4 and 7.9 (Waste management and resource	DCO Schedule 2 Requirement 8 CoCP ~~Re~~ DCO Schedule 2 Requirement 9 CEMP

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impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism

~~Chapter~~Ref ~~Mitigation~~Source Reference document	~~location~~Securing mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase
MW-2	Chapter 16: Material Resources and Waste Table 5.2 ~~–~~ Securing Mitigation	Depletion of material resources due to the construction of the Proposed Development	**Code of Construction Practice – Material reuse** Reuse of 90% of excavated material within landscape masterplan limiting the required imported fill material to 4,373m^3 for Proposed WWTP through implementation of an approved Site Waste Management Plan.	Construction
MW-3	Chapter 16: Material ~~Mitigation~~ Resources and Waste	Depletion of material ~~resources due to the construction of the Proposed Development~~	**Code of Construction Practice – Material reuse** ~~limiting required imported fill material to 4,373m3 for Proposed WWTP through a requirement of the draft DCO (App Doc Ref 2.1)~~	Construction
~~Chapter 16: Material Resources and Waste~~	~~Table 5.2 – Securing Mitigation~~	~~Depletion of material resources due to the construction of the Proposed Development~~	~~Use of precast structures (produce less waste) for treated effluent pipework~~	~~Approval and implementation of a Construction Environmental~~
~~Chapter 16:~~ Table 5.2 ~~–~~ Securing Mitigation		Depletion of material resources due to the construction of the Proposed Development	Use of precast structures (produce less waste) for treated effluent pipework	Construction
MW-4	Chapter 16: Material Resources and Waste Table 5.2 – Securing Mitigation	Impact on the availability of material resources due to the construction of the Proposed Development	**Code of Construction Practice – Material reuse** 100% reuse of the excavated material within trench reinstatement or landscape masterplan for Waterbeach Pipeline through implementation of an approved Site Waste Management Plan.	Construction

Secured by number	Phase
Sections 4,4 CEMP para 4.4.4 and 7.9 (Waste management and resource use) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP DCO Schedule 2 Requirement 9 CEMP including a site waste management plan
Sections 4.4 (CEMP) and 5.13 River works para 5.13.1 ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Section 7.9, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Site Waste Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	DCO Schedule 2 Requirement 7 Detailed ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
CoCP Part A (App Doc Ref 2.1)	design
Sections 4,4 (CEMP) para 4.4.4 and 7.9 (Waste management and resource use) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a materials management plan, and a site waste management plan

ChapterRef MitigationSource	Description of impact	Mitigation measure	Secured by numberPhase	Reference document locationSecuring mechanism
MW-5 Chapter 16: Material Resources and Waste Table 5.2 – Securing Material Mitigation Resources and Waste	Impact on the availability of material resources due to the construction of the Proposed Development	Code of Construction Practice – Material reuse Rreuse of the90% of excavated material within trench reinstatement or landscape masterplan limiting required imported fill material to 4,373m3 for Proposed WWTP through Section 7.9, due to the construction of the Proposed Development landscape masterplan for Waterbeach Pipeline Approval and implementation of a Construction Environmental an approved Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of a Site Waste Management Plan. secured through DCO Schedule a2 r Requirement of the draft DCO (App Doc Ref 2.1).8 CoCP DCO Schedule 2 Requirement 9 CEMP including a materials management plan, and a site waste management plan	Construction	Sections 4,4 (CEMP) para 4.4.4 and 7.9 (Waste 100% management and resource use) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1) 2.1, App Doc Ref 5.4.2.1)
MW-7 Chapter 16: Material Resources and Waste Table 5.2 — Securing Mitigation Material Mitigation Resources and Waste	Production of hazardous waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the construction phase of the	Code of Construction Practice Hazardous materials handling	Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice	• emergency response measures including stopping works, training of staff, use of spill response equipment

Ref	Source	Description of impact		Mitigation measure	Phase	Reference document	Securing mechanism
MW-6	Chapter 16: Material Resources and Waste Table 5.2 – Securing Mitigation	Table 5.2 - Securing Mitigation	Production of hazardous waste resulting in temporary occupation of waste infrastructures Impact on the availability of material resources due toand/or permanent reduction of landfill Waste capacity during the construction phase of the Proposed Development.	Reuse of 90% of excavated material within landscape masterplan limiting required imported fill material to 4,373m3 for Proposed WWTP	**Code of Construction Practice Site waste management plan** Section 7.9,Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1) • in particular section 4.4 which requires the Principal Contractor(s) to produce a SWMP, Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • emergency response measures including stopping works, training of staff, use of spill response equipment Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). • Approval and implementation of a Site Waste Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).	Construction	Sections 4,4 (CEMP) para 4.4.4 and 7.9 (Waste management and resource use) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	Compliance with the Waste (England and Wales) Regulations 2011 (as amended) DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a materials management plan, and a site waste management plan

Proposed Development. measures including:
Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)
in particular section 4.4 which requires the Principal Contractor(s) to produce a SWMP, Pollution Incident Control

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~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
	The management of impacts relating to the handling of potentially temporary occupation of hazardous waste as set out within Section	waste infrastructures and/or permanent reduction of landfill capacity during the construction ~~CEMP.~~	7.5 of the CoCP Part A, Water resources and flood risk, sets out a framework for the control of flood risk during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an appended plan to/as part of the ~~CEMP.~~	Construction	Sections 4,4 (CEMP) para 4.4.4 and 7.9 (Waste management and resource use) CoCP Part A (Appendix 2.1, App Doc Ref ~~2.1~~5.4.2.1)~~.~~)	
~~Chapter 16: Material Resources and Waste~~	~~Table 5.2 - Securing Mitigation~~	~~Production of inert waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the operation of the Proposed WWTP.~~	~~Implementation of the waste hierarchy~~ ~~Obtaining an environmental permit, operating in accordance with the permit including the associated EMS procedures.~~		~~During operation, the Environmental Permit will require management system to cover waste management practices and procedures.~~ ~~Waste (England and Wales) Regulations 2011 (as amended~~	
MW-8	Chapter 16: Material Resources and Waste Table 5.2 - Securing Mitigation	Production of inert waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the operation of the Proposed WWTP.	**Environmental Management System** Implementation of the waste hierarchy Compliance with the ~~p~~Environmental Permit including the associated EMS procedures.	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) ES Chapter 17 Table 2.8 and 5-1	Waste (England and Wales) Regulations 2011 (as amended Environmental Permit
		~~Sections 7.9, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~				
MW-9	Chapter 16: Material Resources and Waste Table 5.2 - Securing Mitigation	during the decommissioning of the Existing Cambridge WWTP	The existing Cambridge WWTP will have existing obligation in relation to the operational management of activities within the site as specified		ES Chapter 17 Table 2.8 and 5-1	Regulations 2011 (as amended) within a site-specific Environmental Permit
Production of inert, non-hazardous and hazardous waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity	~~Material Mitigation~~ ~~Resources and Waste~~	**Existing Environmental Controls – existing Cambridge WWTP** Construction . Compliance with the Waste (England and Wales)	~~Management of decommissioning activities through application of measures within the outline Decommissioning Plan (Appendix 2.3,App Doc Ref 5.4.2.3)] and the CoCP Part A, Section 4.4 (Construction~~		~~and the CoCP Part A, Section 4.4 (Construction~~	Environmental Permit
		~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ CEMP. Development.			Compliance with the Waste (England and Wales) Regulations 2011 (as amended) DCO Schedule 2 Requirement 8 CoCP	
			Approval and implementation of a Site Waste Management Plan ~~secured through a requirement of the draft DCO (~~		DCO Schedule 2 Requirement 9 CEMP including a materials management plan, and a site waste management plan	

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
MW-10	Chapter 16: Material Resources and Waste Table 5.2 - Securing Mitigation	Production of inert, nonhazardous and hazardous waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the decommissioning of the Existing Cambridge WWTP	**Decommissioning Management Plan** Management of decommissioning activities through application of measures within the outline Decommissioning Plan and the CoCP Part A, Section 4.4 (Construction Environment Management Plan), and Section 7.5 (Water Resources and Flood Risk) which requires that the contractors to prepare a Decommissioning Plan (secured through requirements in the DCO), which will collectively secure deliver appropriate mitigation of the decommissioning activities.	Construction	Decommissioning Management Plan (Appendix 2.3, App Doc Ref 5.4.2.3). CoCP Part A, Section 4.4 (Construction Environment Management Plan), and Section 7.5 (Water Resources and Flood Risk) (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 – Requirement 8 – CoCP DCO Schedule 2 Requirement 9 CEMP – including a detailed decommissioning plan where the relevant phase includes decommissioning which must accord with the outline decommissioning plan.
MW-11	Chapter 16: Material Resources and Waste Table 5.2 - Securing Mitigation	Production of non-hazardous waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the operation of the Proposed WWTP.	**Design - Resource Recovery** Sludge produced by the Proposed WWTP is recycled and will be used as bio-fertilizer and spread on land.	Operation	ES Chapter 2 Project Description Para 1.8.6, Section 5.1 Operation, Resource Recovery (App Doc Ref 5.2.2)	Environmental permit DCO Schedule 2 Requirement 7 - Detailed design
NV-1	Chapter 17: Noise and Vibration Table 5.2 - Securing Mitigation	Construction noise impacts from the works at Shaft 4 and the Outfall.	**Code of Construction Practice** Application of BPM in accordance with BS 5228 and the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Measures are set out within the CoCP, Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2). • Restriction of working hours to avoid sensitive time periods for works at Shaft 4 and the Outfall. • Use of solid site hoarding/temporary acoustic barriers at Shaft 4, Waterbeach construction compound and around HDD pit locations/HDD plant during continuous working periods.	Construction	Sections 4.4 (Construction environment management plan), and 7.7 (Noise and vibration), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) CoCP Part B Section 3.1 (Appendix 2.1, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a noise and vibration management plan
NV-2	Chapter 17: Noise and Vibration Table 5.2 - Securing Mitigation	Noise from heavy vehicles on construction traffic routes	**Code of Construction Practice Noise management** Application of BPM in accordance with BS 5228 and the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Measures are set out within the CoCP, Part A and B (App Doc Ref 5.4.2.1~~) which requires that the contractors to prepare a Decommissioning Plan (secured through~~ & 5.4.2.2). ~~The Environmental Permit sets out conditions relating to the management system which cover waste management practices and procedures.~~	Construction	Sections 4.4 (Construction environment management plan), and 7.7 (Noise and vibration), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) CoCP Part B Section 3.1 (Appendix 2.1, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a noise and vibration management plan

Approval and

~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
			implementation of a Noise & Vibration Management Plan	**Construction ~~Environmental~~Traffic Management Plan ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~**	~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Decommissioning Management Plan (Appendix 2.3, App Doc Ref 5.4.2.3).~~	
			~~requirements in the DCO), which will collectively secure deliver Compliance with the Waste (England and Wales) Regulations 2011 (as appropriate mitigation of the decommissioning activities. amended)~~		Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), ~~secured through~~	traffic management plan which must accord with the measures set out in the construction traffic management plan
			Restriction of working hours to avoid sensitive time periods and the use of solid site hoarding/temporary acoustic barriers when required.	DCO Schedule ~~a~~2 ~~r~~ Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a noise and vibration management plan, and a detailed construction		
Construction	Sections 4,4 CEMP para 4.4.4 and 7.7 (Noise and vibration) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) CoCP Part A (Appendix 2.1, App Doc Ref ~~2.1~~ 5.4.2.1)~~.~~					
~~Chapter 16: Material Resources and Waste~~	~~Table 5.2 – Securing Mitigation~~	~~Production of non-hazardous waste resulting in temporary occupation of waste infrastructures and/or permanent reduction of landfill capacity during the operation of the Proposed WWTP.~~	~~Sludge produced by the Proposed WWTP is recycled and will be used as bio-fertilizer and spread on land.~~	~~Environmental permit issued by EA~~		
~~Chapter 17: Noise and Vibration~~	~~Table 5.2 – Securing Mitigation~~	~~Construction noise impacts from the works at Shaft 4 and the Outfall.~~	~~Application of BPM in accordance with BS 5228 and the Control of Pollution Act 1974 and the Environmental Protection Act 1990.~~ ~~Measures are set out within the CoCP, Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1 & 5.4.2.2).~~ ~~• Restriction of working hours to avoid sensitive time periods for works at Shaft 4 and the Outfall.~~ ~~• Use of solid site hoarding/temporary acoustic barriers at Shaft 4, Waterbeach construction compound and~~	~~Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Noise & Vibration Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		

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Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			~~around HDD pit locations/HDD plant during continuous working periods.~~			
~~Chapter 17: Noise and Vibration~~	~~Table 5.2 - Securing Mitigation~~	~~Noise from heavy vehicles on construction traffic routes~~	~~Application of BPM in accordance with BS 5228 and the Control of Pollution Act 1974 and the Environmental Protection Act 1990.~~ ~~Measures are set out within the CoCP, Part A and B (App Doc Ref 5.4.2.1 & 5.4.2.2).~~ ~~Implementation of the Construction Traffic Management Plan (App Doc Ref 5.4.19.7).~~ ~~Restriction of working hours to avoid sensitive time periods and the use of solid site hoarding/temporary acoustic barriers when required.~~	~~Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Approval and implementation of a Noise & Vibration Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~			
NV-3	Chapter 17: Noise and Vibration Table 5.2 - Securing Mitigation	~~Table 5.2 - Securing Mitigation~~	Construction vibration during works at the Waterbeach pipeline, Transfer tunnel and Final effluent pipeline	**Code of ~~a~~ Construction ~~Environmental~~ Practice Noise ~~M~~management** Application of BPM in accordance with BS 5228 and the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Measures are set out within the CoCP, Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1 & 5.4.2.2). Use of low vibration sources of equipment.	Construction	Sections ~~7.7,~~4.4 (CEMP) para 4.4.4, and 7.7 (Noise and vibration) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~CoCP Part A ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (~~(Appendix 2.1, App Doc Ref ~~2.1).~~ ~~–~~5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a noise and vibration management plan
O-1	Chapter 18: Odour release to air (if required)	Odour emission from biogas	**Design - Flaring controls** ~~Approval and implementation of a Noise & Vibration Management Plan secured through a requirement of the draft DCO~~	Operation	ES Chapter 18 Odour Section 2.8 (App Doc Ref ~~2.1).~~	Legal requirement for IED permit from the
~~Chapter 18: Odour~~	~~Table 5.2 - Securing Mitigation~~	~~Odour emission from biogas release to air (if required)~~	~~To minimise emissions to air during use and flare usage will be limited under IED permit controls including detailed OMP (Appendix 18.4, App Doc Ref 5.4.18.4) outlining operational odour management, monitoring and reporting measures.~~			~~Legal requirement for IED permit from the Environment Agency~~
~~Chapter 18:~~	Table 5.2 - Securing Mitigation	~~Odour~~To minimise emissions to air during use and flare usage will be limited ~~from draining and cleaning of~~ under IED permit controls ~~and~~including detailed OMP (Appendix 18.4, App			5.2.2)	Environment Agency ~~Transfer of the existing~~

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~~Chapter~~Ref	~~Mitigation~~Source	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
			Doc Ref 5.4.18.4) outlining operational odour management, ~~plan at~~monitoring Outline OMP (Appendix ~~Conditions set out within the existing Cambridge WWTP Environment Odour~~ ~~Mitigation~~ ~~the waste water storage tanks and equipment~~ ~~the existing Cambridge WWTP to the proposed WWTP.~~ ~~Section 3.5,~~and reporting measures. ~~Permit.~~18.4, App Doc Ref 5.4.18.4)			

~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~		
0-2	Chapter 18: Odour Table 5.2 - Securing Mitigation	Odour emission from draining and cleaning of the waste water storage tanks and equipment	~~OMP (Appendix 18.4, App Doc Ref 5.4.18.4).~~ ~~Removal of residual sludge via suction pump and taken offsite for treatment, or treated onsite such as in a quick lime dosing plant.~~ ~~Implementation of Section 6, Decommissioning Management Plan (Appendix 2.3,~~App Doc Ref ~~5.4.2.3)~~ **Operational controls** Transfer of the existing permit controls and odour management plan at the existing Cambridge WWTP to the proposed WWTP. **Odour Control Equipment** Use of odour suppression equipment, such as fogging/misting systems. ~~Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1).~~	Operation	ES Chapter 2 Project Description Section 2.5 Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2)	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP ~~Secured through a requirement in the draft DCO (App Doc Ref 2.1) to comply with the Decommissioning Management Plan (Appendix 2.3,~~ ~~App Doc Ref 5.4.2.3).~~
~~Chapter 18: Odour~~	~~Table 5.2 – Securing Mitigation~~	~~Odour emission from normal operation of the proposed WWTP~~	~~Controls required by the IED permit such as operating in accordance with approved OMP (Appendix 18.4, App Doc Ref 5.4.18.4), and having an established emergency response procedures.~~ ~~Design measures to manage odour release~~		~~Legal requirement for IED permit from the Environment Agency including OMP (Appendix 18.4, App Doc Ref 5.4.18.4)~~	

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~~Chapter number~~ ~~Mitigation location~~ ~~Description of impact~~ ~~Mitigation measure~~ ~~Secured by~~

0-3	Chapter 18: Odour Table 5.2 - Securing Mitigation	Odour emission from draining and cleaning of the waste water storage tanks and equipment	**Odour Management** Removal of residual sludge via suction pump and taken offsite for treatment~~,~~ or treated onsite such as in a quick lime dosing plant. Implementation of Section 6, Decommissioning Management Plan (Appendix 2.3, App Doc Ref 5.4.2.3)	Operation	ES Chapter 2 Project Description Section 2.5 Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2) Section 6, Decommissioning Management Plan (Appendix 2.3,App Doc Ref 5.4.2.3)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
0-4	Chapter 18: Odour Table 5.2 - Securing Mitigation	Odour emission from normal operation of the proposed WWTP	**Odour Management** Controls required by the IED permit such as operating in accordance with approved OMP, and having an established emergency response procedure~~s~~.	Operation	ES Chapter 2 Project Description Section 2.5 Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2) OMP (Appendix 18.4, App Doc Ref 5.4.18.4)	Legal requirement for IED permit from the Environment Agency DCO Schedule 2 Requirement 7 Detailed design
O-5	Chapter 18: Odour ~~Table 5.2 - Securing Mitigation~~	Odour emission from normal operation of the proposed WWTP	**Design - Odour Control** ~~Legal requirement for IED permit from the Environment Agency including~~ Design measures to manage odour release: • Covered reception areas at the terminal pumping station, inlet works and sludge tanks		~~OMP (Appendix 18.4, App Doc Ref 5.4.18.4)~~	

~~by number~~	Phase	Ref Source Reference document	~~location~~	Description of impact Securing mechanism	Mitigation measure	Phase	Reference document	Securing mechanism
					Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1).		Section 3.5, Outline OMP (Appendix 18.4, App Doc Ref 5.4.18.4).	
					• Low turbulence processes • Venting of air from TPS, inlet and sludge tanks through the odour control plant • Odour control facilities will be critical equipment to operate continuously in all conditions and supplied with a UPS			
	~~Chapter 18: Odour~~	~~Table 5.2 - Securing Mitigation~~		~~Odour emission from short- term tie- in works~~	~~Measures within CoCP Part B (Appendix 2.2App Doc Ref 5.4.2.2) setting out how potential odour impacts arising from activities associated with connecting into and diverting existing sewers will be managed.~~ ~~Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) in particular the requirement for the use of air extraction system and a mobile odour filtration unit adjacent to the sewer shafts.~~		~~Sections 7.8, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	
	Operation	ES Chapter 2 Project						
O-6	Chapter 18: Odour Table 5.2 - Securing Mitigation			Odour emission from short- term tie- in works	**Code of Construction Practice Odour control** Measures within CoCP Part B (Appendix 2.2 App Doc Ref 5.4.2.2) setting out how potential odour impacts arising from activities associated with connecting into and diverting existing sewers will be managed. Section 7.8, Construction odours of the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) in particular the requirement for the use of air extraction system and a mobile odour filtration unit adjacent to the sewer shafts.	Construction	Sections 4,4 CEMP para 4.4.4 and 7.8 (Air quality), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 3, CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
O-7	Chapter 18: Odour Table 5.2 - Securing Mitigation			Odour emission from sludge tanker spill within the WWTP	**Code of Construction Practice** Controls required by the IED permit such as operating in accordance with approved OMP, and having an established emergency response procedure.		Outline OMP (Appendix 18.4, App Doc Ref 5.4.18.4)	Legal requirement for IED permit

Phase	Reference document	Securing mechanism				
O-8	Chapter 18: Odour Description Section 2.5 Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2) DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 7 Detailed design	Odour emission from transportation of seed	**Commissioning Management** Impacts managed through the following design measures:		ES Chapter 2 Project Description Section 2.5	DCO Schedule 2 Requirement 8 CoCP
	Table 5.2 - Securing Mitigation	sludge and commencement of biological processes with the proposed WWTP	• Covered reception areas at the terminal pumping station, inlet works and sludge tanks • Low turbulence processes • Venting of air from TPS, inlet and sludge tanks through the odour control plant Odour control facilities will be critical equipment to operate continuously in all conditions and supplied with an uninterruptible power supply UPS Transport seed sludge in sealed tankers and pumped into the tanks through a closed process		Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2) ES Volume 4 Chapter 2 Appendix 2.4 Outline Commissioning Plan (App Doc Ref 5.4.2.4)	DCO Schedule 2 Requirement 9 CEMP
O-9	~~Chapter 18: Odour~~ ~~Table 5.2 Securing~~ Odour emission from ~~sludge tanker spill within~~ ~~Controls required by the IED permit such as operating in accordance~~ ~~Legal requirement for IED permit from the Environment Agency including~~ ~~Odour Mitigation the WWTP with approved OMP (Appendix 18.4, App Doc Ref 5.4.18.4), and having OMP (Appendix 18.4, App Doc Ref 5.4.18.4)~~ transportation of seed Table 5.2 - Securing sludge and commencement Mitigation of biological processes with the proposed WWTP **Design Measures – Odour Control** Impacts managed through the following design measures: • Covered reception areas at the terminal pumping station, inlet works and sludge tanks • Low turbulence processes • Venting of air from TPS, inlet and sludge tanks through the odour control plant • ~~an established emergency response~~Odour control facilities will be critical equipment to operate continuously in all conditions and supplied with an uninterruptible power supply UPS Transport seed sludge in sealed tankers and pumped into the tanks through a closed proce~~dures.~~ss					

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
~~Chapter 18: Odour~~O-10	Chapter 18: Odour Table 5.2 - Securing Mitigation	Odour ~~emission from transportation of seed sludge and commencement of biological processes with the proposed WWTP~~ – operation of vent	~~Impacts managed through the following d~~**Design ~~m~~Measures~~:~~ – Vent** • ~~Covered~~Tunnel vent located at the ~~re~~interception ~~areas~~shaft at the ~~terminal pumping station, inlet works and sludge tanks~~ start of the transfer tunnel within the existing Cambridge WWTP. The structure will include a permanent vent stack inclusive of a carbon filter, extending to a height of up to 10m above ground level and an adjacent filter installation at ground level for odour control. ~~• Low turbulence processes~~ ~~• Venting of air from TPS, inlet and sludge tanks through the odour control plant~~ ~~• Odour control facilities will be critical equipment to operate continuously in all conditions and supplied with an uninterruptible power supply UPS Transport seed sludge in sealed tankers and pumped into the tanks through a closed process~~	Operation	ES Chapter 18 Odour Table 2-11: Maximum design envelope parameters (Rochdale) for odour quality assessment	DCO Schedule 2 Requirement 7 Detailed design ~~Sections 7.8, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Chapter number~~	~~Mitigation location~~	~~Description of impact~~	~~Mitigation measure~~		~~Secured by~~	
~~Chapter 18: Odour~~	~~Table 5.2 - Securing Mitigation~~	~~Short term odour release from deliveries of wastewater and sludge~~	~~Manged through the following measures:~~ ~~• Covered reception areas receiving waste water and sludge deliveries~~ ~~• Use of sealed vehicles for the delivery of waste water and sludge~~	~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to an increased risk / delay for users of the local road network as a result of the transportation of hazardous loads~~ ~~Legal requirement for IED permit from the Environment Agency including OMP (Appendix 18.4, App Doc Ref 5.4.18.4)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to an increased risk / delay for users of the local road network as a result of the transportation of abnormal loads~~	~~Ensure that entities responsible for transporting the load follow the regulations for notifying authorities.~~ ~~Implementation of the CTMP in particular Section 4 .2 (Local routeing and site plant vehicle routeing) which requires abnormal loads to have specific measures including appropriate vehicle escort and marshalling where required and timing of movement to be outside peak hours (i.e., school start and finishing times). All deliveries will be made outside of peak hours (8am-9am and 3-4pm) unless it is determined to be essential that the delivery is to be completed during peak hours.~~	~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrian and cyclists travelling along Horningsea Road~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to an increased risk / delay for users of the local road network as a result of the transportation of hazardous loads~~	~~Implementation of the CTMP in particular Section 7.2 (Monitoring Strategy) which requires the Principal Contractor(s) to manage and operate a 'near-miss' reporting system to ensure any accidents or near misses are recorded and investigated appropriately. Where relevant, accidents and near misses will be reported to relevant highways stakeholders by the CLO.~~	Operation	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ES Chapter 2 Project Description DCO Schedule 2 Requirement 5.2 Detailed design DCO Schedule 2 Requirement 5.3 Operational Control (App Doc Ref 5.5.2)	~~Temporary traffic control, design of temporary connections to the network, sequencing the proposed WWTP access road construction~~ ~~Implementation of the CTMP in particular:~~ ~~• Section 4.2 which recognises the potential conflict of site access point CA2/CA3 which will cross the existing footway / cycleway on the west side of Horningsea Road which may require marshalling during peak hours and/or traffic management measures to provide a safe crossing point for site traffic and pedestrians and cyclists~~ ~~• Section 6.9 (Facilitate safe movement of users of the highway (including NMUs))which refers to site access point COA3, CA2/CA3 which indicates the majority of the highway works be carried out under TM that maintains vehicular access on Horningsea Road, under temporary signal control. And requires that the existing footway / cycleway to the west of the Horningsea Road carriageway will be maintained at all times with suitable barriers separating the footway from the works.~~ ~~• Section 6.9 (Facilitate safe movement of users of the highway (including NMUs))which requires that speed restrictions to Horningsea Road will be put in place for the duration of the in accordance with the Temporary Traffic Regulation Order s~~

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~~by number~~	Phase	Reference document	~~location~~	Securing mechanism			
O-11	Chapter 18: Odour Table 5.2 - Securing Mitigation	Short term odour release from deliveries of wastewater and sludge		**Design Measures – Odour Control** Managed through the following measures: • ~~in Article ## of the DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders)~~ Covered reception areas receiving waste water and sludge deliveries • ~~Section~~Use of sealed vehicles for the delivery of waste water and sludge ~~4.2 which recognises the potential conflict of site access point CA2/CA3 which will cross the existing footway / cycleway on the west side of Horningsea Road which may require marshalling~~	Operation	ES Chapter 2 Project Description Section 2.5 Requirement 7 Detailed Odour Control and Section 5.1 Operational Odour Control (App Doc Ref 5.2.2	DCO Schedule 2 design
T-1	Chapter 19: Traffic and Transport Table 5.2 - Securing Mitigation	~~Table 5.2 - Securing Mitigation~~			Operation	~~Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and Section 3 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic
T-2	Chapter 19: Traffic and Transport Table 5.2 - Securing Mitigation	Construction traffic leads to ~~temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)~~an increased risk / delay for users of the local road network as a result of the transportation of abnormal loads		**Code of Construction Practice - Abnormal Loads** Ensure that entities responsible for transporting the load follow the regulations for notifying authorities. ~~Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.~~ **Construction Traffic Management Plan - Abnormal loads** Implementation of the CTMP in particular Section 4 .2 (Local routeing and site plant vehicle routeing) which requires abnormal loads to have specific measures including appropriate vehicle escort and marshalling where required and timing of movement to be outside peak hours (i.e., school start and finishing times). All deliveries will be made outside of peak hours (8am-9am and 3-4pm) unless it is determined to be essential that the delivery is to be completed during peak hours. ~~and/or~~ Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7) management plan which must accord with the measures set out in the construction traffic management ~~measures to provide a safe crossing point for site traffic and pedestrians and cyclists.~~ plan	Operation		DCO Schedule 2 Requirement 8 CoCP

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Phase	Reference document	Securing mechanism					
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrians and cyclists travelling along Horningsea Road~~	~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion~~		~~Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	
T-3	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	~~Table 5.2 - Securing Mitigation~~	Construction traffic leads to ~~temporary adverse effect on fear and intimidation for pedestrians and cyclists travelling along~~ an increased risk / delay for users of the local road network as a result of the transportation of hazardous loads~~Horningsea Road~~	**Construction Traffic Management Plan - Hazardous loads management** Implementation of the CTMP in particular: • ~~Section 7.2 of the CTMP~~Section 7.2 (Monitoring Strategy) which requires ~~that~~ the Principal Contractor(s) ~~will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:~~ • to manage and operate a 'near miss' reporting system to ensure any accidents or near misses are recorded and investigated appropriately. Where relevant, accidents and near misses will be reported to relevant highways stakeholders by the CLO. ~~Documented pre-commencement meetings with the site management team as a contractual requirement;~~ • ~~Active traffic management; and~~ • • section 4.2 (Access route strategy) requires all deliveries to be made outside of peak hours (08:00-09:00, 15:00-16:00, 17:0018:00); • section 5.2 (Temporary access points and construction road signage)which requires the use of temporary signage along all proposed construction haul roads; and • section 6.3 (Adherence to Designated Routes) and section 6.9 (Facilitate safe movement of users of the highway (including NMUs) requirement to provide connectivity/access to community facilities and residential properties during works. Entities responsible for transporting the abnormal load follow the regulations for notifying authorities • ~~FORS and CLOCS accreditation~~	Construction	~~Approval and implementation of a Construction Environmental~~ ES Chapter 29 Traffic and ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Transport Table 5-1 Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7~~), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
~~Chapter 19~~	~~Table 5.2 - Securing~~	~~Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrians and cyclists travelling along Horningsea Road~~	~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion~~		~~Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	

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DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan

T-4 Chapter 19: Traffic and ~~Table 5.2 Securing~~ Construction traffic leads to ~~t~~ **Construction Traffic Management Plan - Temporary traffic control** Construction ES Chapter 2

Sections 2 para ~~Appropriate~~

Transport an increased risk / delay for Temporary traffic control, design of temporary connections ~~from works areas to the~~ to the road 2.9.3 and 3.1 3.1

users of the local road Construction phasing and

Table 5.3 - Securing network, sequencing the proposed WWTP access road construction.

network as a result of the ~~Requirement for approval of detailed design of temporary access~~sequence of assembly (App

Mitigation

transportation of hazardous Doc Ref 5.2.2) loads

Design Plans - Highways and Site Access (App Doc Ref 4.11)

DCO Schedule 2 Requirement 8 CoCP

DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the

construction traffic

Construction Traffic management plan

Management Plan

(Appendix 19.7, App Doc Ref 5.4.19.7)

Phase	Reference document	Securing mechanism				
T-5	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrians and cyclists travelling along Horningsea Road	**Construction Traffic Management Plan** Implementation of the CTMP in particular: • Section 4.2 which recognises the potential conflict of site access point CA2/CA3 which will cross the existing footway / cycleway on the west side of Horningsea Road which may require marshalling during peak hours and/or traffic management measures to provide a safe crossing point for site traffic and pedestrians and cyclists • Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)~~,~~)which refers to site access point COA3, CA6, CA2/CA3 which indicates the majority of the highway works can be carried out under TM that maintains vehicular access on Horningsea Road, under temporary signal control. And requires that the existing footway / cycleway to the west of the Horningsea Road carriageway will be maintained at all times with suitable barriers separating the footway from the works. • Section 6.9 (Facilitate safe movement of users of the highway (including NMUs))which requires that speed restrictions to Horningsea Road will be put in place for the duration of the works in accordance with the Temporary Traffic Regulation Order set out in Article ## of the DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders) • Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: • Documented pre-commencement meetings with the site management team as a contractual requirement; – Active traffic management; and – FORS and CLOCS accreditation	Construction	Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
~~Traffic and~~T-6 Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrians and cyclists travelling along Horningsea Road	**Code of Construction Practice** Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion	Construction	Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)	DCO Schedule 2 ~~Mitigation~~ Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

~~by number~~Phase Reference document ~~location~~Securing mechanism

		travelling along Horningsea Road	Sequencing the proposed WWTP access road construction at the start of the programme so that it can be used in construction to minimise use of Horningsea Road to access Low Fen Drove Way			including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
T-7	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse effect on fear and intimidation for pedestrians and cyclists	**Construction Traffic Management Plan - minimising traffic movements Horningsea Road**	Construction	Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
T-8	Chapter 19: Traffic and Transport	Construction traffic leads to temporary adverse effect on pedestrians travelling	Sequencing the proposed WWTP access road construction at the start of Construction phasing and the programme so that it can be used in construction to minimise use of sequence of assembly (App			2.9.3 and 3.1 3.1
T-9	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	**Code of Construction Practice** Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.	Construction	Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and Section 3 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) Construction Traffic Management Plan (Appendix 19.7App Doc Ref 5.4.19.7),	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
	Table 5.3 - Securing Transport Mitigation	~~road network connection to meet local highway standards secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	Horningsea Road to access Low Fen Drove Way Requirement for construction of a temporary access within land required for temporary connections from works areas to the road network to standards		Doc Ref 5.2.2) Design Plans - Highways and Site Access (App Doc Ref 4.11) Design of the proposed WWTP to construct the permanent access so that it can be used to facility the remainder of the construction.	
	Design Measures		DCO Schedule 2 Requirement 7 - Detailed design			
	Construction	ES Chapter 2 Sections 2 para	DCO Schedule 2 Requirement 7 Detailed design			
~~**Chapter number**~~	~~**Mitigation location**~~	~~**Description of impact**~~	~~**Mitigation measure**~~		~~**Secured by**~~	
					~~5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
T-10	Chapter 19: Traffic and Transport	~~Table 5.2 Securing~~ Construction traffic leads to temporary	~~Traffic and Transport~~ Mitigation Table 5.3 - Securing along		adverse effect on pedestrians travelling	~~Transport Mitigation~~ / crossing roads that are part of the

Phase	Reference document	Securing mechanism		
		construction route (that do not meet the criteria in IEMA rule 2)	construction period including communication of changes to access because of PRoW realignment or diversion	Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).
		Construction Traffic Management Plan		
		Implementation of the CTMP in particular-:	• Section 5.2 (Temporary access points and construction road signage) which requires the use of temporary signage along all proposed construction haul roads. As a minimum this will include internal haul road speed limits, warning (hazard signs), potential vehicle or pedestrian crossing points and distances to destinations.	Construction Traffic Management Plan (Appendix 19.7,App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)
		• Section 6.3 Adherence to Designated Routes 3 (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the		
Chapter 19: Traffic and Transport	Table 5.2 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion	Sections 3, CoCP Part A (App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1) 2.1)
Chapter 19: Traffic and Transport	Table 5.2 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: • Documented pre-commencement meetings with the site management team as a contractual requirement; • Active traffic management; and • FORS and CLOCS accreditation	Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)
Chapter 19: Traffic and Transport	Table 5.2 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	Sequencing the proposed WWTP access road construction at the start of the programme so that it can be used in construction to minimise use of Horningsea Road to access Low Fen Drove Way	Requirement for construction of a temporary access within land required for the proposed WWTP to construct the permanent access so that it can be used to facility the remainder of the construction phase secured through a requirement of the draft DCO (App Doc Ref 2.1)
Chapter 19: Traffic and Transport	Table 5.2 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the	Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for	Sections3 , CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).
Chapter 19: Traffic and Transport	Table 5.2 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	DCO (App associated with the construction of the Proposed Development, this will Doc Ref 2.1). include the following: • Documented pre-commencement meetings with the site management team as a contractual requirement; • Active traffic management; and • FORS and CLOCS accreditation	Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)
		Section 7.2 of the CTMP requires that the Principal Contractor(s) will Approval and implementation of a Construction Environmental implement a system for monitoring the movement of vehicles Management Plan secured through a requirement of the draft		

~~by number~~Phase	Reference document	~~location~~Securing mechanism		
		~~construction route (that do not meet the criteria in IEMA rule 2)~~	~~ensuring that relationships and lines of communication are maintained throughout the construction period including communication of construction activity, construction vehicle movements.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Workers Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Implementation of Section 4.2 of the CTMP (Access route strategy) which identifies the off and on slip of the A14 as a potential conflict area which may require traffic marshalling during peak hours~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Implementation of Section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours~~	~~Approval and implementation of a Construction Environmental Traffic Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Implementation of Section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Implementation of section 7.7 of the CoCP Part A and B (Application Doc Ref: 5.4.2.1) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.~~	~~Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Requirement of Section 4.2 that all deliveries will be made outside of peak hours (8am-9am and 3-4pm) unless it is determined to be essential that the delivery is to be completed during peak hours.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles~~	~~Approval and implementation of a Construction Environmental Traffic and Management Plan secured through a requirement of the draft DCO (App~~

Phase	Reference document	Securing mechanism
~~Transport~~	~~of the A14 in the AM and PM peak.~~	~~Doc Ref 2.1).~~

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
				~~associated with the construction of the Proposed Development, this will include the following:~~ ~~• Documented pre-commencement meetings with the site management team as a contractual requirement;~~ ~~• Active traffic management; and~~ ~~• FORS and CLOCS accreditation~~	~~Construction Traffic Management Plan (Appendix 19.7,App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~	~~Sequencing the proposed WWTP access road construction at the start of the programme so that it can be used in construction to minimise use of Horningsea Road to access Low Fen Drove Way~~	~~Requirement for construction of a temporary access within land required for the proposed WWTP to construct the permanent access so that it can be used to facility the remainder of the construction phase secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10 approach of the Milton Interchange in the PM peak~~	~~Implementation of Section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours~~	~~Approval and implementation of a Construction Environmental Traffic Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). peak~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10 approach of the Milton Interchange in the PM peak~~	~~Implementation of Section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10 approach of the Milton Interchange in the PM peak~~	~~Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:~~ ~~• Documented pre-commencement meetings with the site management team as a contractual requirement;~~ ~~• Active traffic management; and~~ ~~• FORS and CLOCS accreditation~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.~~	~~Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Workers Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.~~	~~Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1). manage the impact upon users of the PRoW during the construction period.~~	~~Traffic and Transport & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the~~	~~Implementation of the CTMP in particular~~ ~~• Section 6.3 Adherence to Designated Routes~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~by number~~Phase Reference document ~~location~~Securing mechanism				
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.~~	~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, Application Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: communication of construction activity, construction vehicle movements.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
		~~A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.~~	~~▲ Section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks~~ ~~▲ Section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours~~	~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.~~	~~Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:~~ ~~• Documented pre-commencement meetings with the site management team as a contractual requirement;~~ ~~• Active traffic management; and~~ ~~• FORS and CLOCS accreditation~~ ~~• Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works~~ ~~• Section 6.9 avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term time~~ ~~Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Implementation of the CTMP Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out in Article 16 of the DCO.~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.2 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~ ~~Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Document Ref 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control~~ ~~Implementation of the CTMP in particular~~ ~~•~~ Section 6.3 Adherence to Designated Routes		
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Workers Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ ~~Construction Traffic Management Plan (App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove,~~		

~~by number~~Phase	Reference document	~~location~~Securing mechanism		
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Implementation of the CTMP in particular~~ ~~• Section 6.3 Adherence to Designated Routes~~ ~~• Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works~~ ~~• Section 6.9 avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term-time~~ ~~• Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
		~~Bannold Drove, Burgess's Drove, Fen Road.~~	~~5.4.2.2) Part A (Traffic and Transport) through a requirement of the draft DCO (App Doc Ref 2.1). which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.~~	
		~~Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured & 2.2, App Doc Ref: 5.4.2.1,~~		
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Implementation of the CTMP section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which requires temporary widening measures for vehicle passing at:~~ ~~• Denny End Road~~ ~~• Bannold Road~~ ~~• Bannold Drove~~ ~~• Clayhithe Bridge~~ ~~• Long Drove~~ ~~• Cambridge Road~~ ~~• Chapel Street~~ ~~• Station Road~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Implementation of the CTMP section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which requires junction widening at:~~ ~~• Bannold Road / Bannold Drove~~ ~~• Bannold Road / Burgess's Drove~~ ~~• Burgess's Drove~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~Implementation of the CTMP Section 6.9 requirement for speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out in the draft DCO~~ ~~Approval and implementation of a Construction Environmental~~	~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
			▲ ~~Documented pre-commencement meetings with the site management team as a contractual requirement;~~ ▲ ~~Active traffic management; and~~ ▲ ~~FORS and CLOCS accreditation~~	~~5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.~~	~~2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: communication of construction activity, construction vehicle movements ...~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)~~	~~Appropriate design of temporary connections from works areas to the road network in accordance with local highways standards~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 &~~ ~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)~~	~~Implementation of Construction Worker Travel Plan to encourage workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.~~	~~Approval and implementation of a Construction Environmental construction Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Workers Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)~~	~~Implementation of section 7.7 of the CoCP Part A (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.~~	~~Sections 7.7, CoCP Part A (Appendix 2.1,App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)~~	~~Implementation of the CTMP in particular • Section 6.3 Adherence to Designated Routes • Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Traffic and Transport~~	~~Mitigation~~	~~adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)~~ ~~criteria in IEMA rule 2)~~ ~~Implementation of the CTMP in particular section 6.3 (Adherence to~~	~~Plate Recognition (ANPR) cameras will be installed at the following locations (subject to approval by Cambridgeshire County Council as the Local Highways Authority and any other relevant stakeholders): • On Horningsea Road, located immediately north and south of the A14 signalised junctions; and~~	~~associated with temporary site access points COA3 Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref~~
~~Chapter 19:~~	~~Table 5.3 - Securing~~	~~Construction traffic leads to temporary~~	~~Designated Routes) which specified that temporary Automatic Number~~	~~• North of Low Fen Drove Way to capture construction vehicles~~

by number	Phase	Reference document	location	Securing mechanism
5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref				Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 &				Schedule 2 Requirement to implement CoCP Part A and B (Appendix 2.1
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities		Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures PRoW in particular; • the requirement to maintain access through the use of safety gates to allow safely cross the construction working area. • the requirement to divert PRoW where no safe option exists to continue its use • the requirement to restore PRoW to the same condition as before the works took place		Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).
2.1)								& 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A secured through a requirement of the draft DCO (App Doc Ref 2.1)
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)		2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: • communication of construction activity, construction vehicle movements		& 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A secured through a requirement of the draft DCO (App Doc Ref 2.1) Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities		Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).				
Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion				Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)				
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities		Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: • communication of construction activity, construction vehicle movements. • Requirement to appoint CLO • Requirement to implement approved CLP		Sections 3, CoCP Part A (Appendix 2.1App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities	Temporary diversion of the PRoW 85/6 at the outfall works area using 85/8 and a temporary path to re-join the PRoW 85/6 upstream of the outfall works area		Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of a Outfall Management and Monitoring Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).
Chapter 19: Traffic and Transport	Table 5.3 - Securing Mitigation	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road	Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) which: • requires connectivity/access to community facilities and residential properties to be maintained during works. At the level		Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref

~~by number~~Phase	Reference document	~~location~~Securing mechanism		
			~~crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons requires connectivity/access to community facilities and residential properties to be maintained during works. At the level crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) which includes a commitment to avoid HGV movements through Waterbeach during school drop-off and pickup hours throughout term time and to adequately reinstate any areas of footpath affected by the works and to maintain the existing alignment/gradient as much as is practicable~~	~~5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 Securing Mitigation~~	~~Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
~~Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which requires that speed restrictions Speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road to be put in place for the duration of the works in accordance with the Temporary Traffic Regulation Order set out in the draft DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders)~~				
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 Securing Mitigation~~	~~Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road~~	~~contractual requirement;~~ Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7) DCO Schedule 2 • Requirement 8 CoCP • ~~Active~~DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management~~; and~~ plan	
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road~~	~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 &2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion~~	~~Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 Securing Mitigation~~	~~Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road~~		
• Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: ~~Documented pre-commencement meetings with the site management team as a~~				

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
			– Documented pre-commencement meetings with the site management team as a contractual requirement; – Active traffic management; and – FORS and CLOCS accreditation	
T-11	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	Construction traffic leads to temporary adverse effect on pedestrians travelling along / crossing roads that are part of the construction route (that do not meet the criteria in IEMA rule 2)	**Construction Traffic Management Plan – control of impacts to road users** Requirement within section 3(Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of construction activity, construction vehicle movements.	Construction	Section 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 - CEMP which must include a detailed community liaison plan which must accord with the measures set out in the community liaison plan (App Doc Ref 7.8)
~~FORS and CLOCS accreditation~~	T-12 Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation **Impacts to users of A14 at junction 34** Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak. **Construction Worker Travel Plan**		~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ pp Doc Ref 5.4.19.9) construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods. DCO Schedule 2 Requirement 8 CoCP	DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	A A	
	Construction	Construction Workers Travel Plan (Appendix 19.9, ~~Approval and l~~implementation of ~~a~~ Construction ~~Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~Worker Travel Plan to encourage				
T-13	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.	**Construction Traffic Management Plan** Implementation of Section 4.2 of the CTMP (Access route strategy) which identifies the off and on slip of the A14 as a potential conflict area which may require traffic marshalling during peak hours	Construction	Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
T-14	Chapter 19: Traffic and Transport	Construction traffic leads to temporary adverse impacts on driver delay at junction	**Construction Traffic Management Plan** Implementation of Section 6.4 of the CTMP (Vehicle Scheduling) which	Construction	Section 6.4 (Vehicle scheduling) Construction	Table 5.3 - Securing requires adherence to works hours

~~by number~~Phase Reference document ~~location~~Securing mechanism

34 of the A14 in the AM and ~~Construction~~ Traffic Management Plan

Mitigation 34 of the A14 in the AM

PM peak. (Appendix 19.7, App Doc Ref 5.4.19.7)~~, secured through~~ and 5.4.2.1) and Section 3 CoCP

Mitigation

DCO Schedule ~~a~~2 ~~r~~ temporary traffic control

Requirement ~~of the draft DCO (App Doc Ref~~ 8 CoCP and measures manage

DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan the impact upon users

~~2.1)~~T-16

~~Chapter 19: Traffic and Transport | Table 5.3 - Securing Mitigation | Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2) | Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period. | Sections 7.7, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Chapter 19: Traffic and Transport | Table 5.3 - Securing Mitigation | Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2) | Requirement within section 3 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion | Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

T-15 Chapter 19: Traffic and Transport | Table 5.3 - Securing Mitigation | Construction traffic leads to temporary ~~effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold~~ adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.~~Road, Burgess's Road, Fen Road~~ | ~~Requirement within section 3 of the CoCP Part A and B (Appendix 2.1~~ ~~& 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Community & Stakeholder Engagement) to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period.~~Implementation of Section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks ~~Construction~~ & Construction Traffic Management Plan | Approval and implementation of a Construction Traffic Management Plan secured through a requirement of ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~ the draft DCO (App Doc Ref 2.1). Section 6.5 (Deliveries) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)~~, secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan

~~Chapter 19: Traffic and Transport | Table 5.3 - Securing Mitigation | Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2) | Section 4.2 of the CTMP which recognises the footpath/cycleway along Cowley Road is a potential conflict area which may require diversion and traffic management measures (subject to agreement with the LHA) for pedestrians and other NMUs. | Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

~~Chapter 19: Traffic and Transport | Table 5.3 - Securing Mitigation | Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2) | Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:~~

- ~~Documented pre-commencement meetings with the site management team as a contractual requirement;~~
- ~~Active traffic management; and~~
- ~~FORS and CLOCS accreditation~~

~~| Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1). Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~

Chapter 19: Traffic and ~~Table 5.3 - Securing~~ Construction traffic leads to ~~temporary effect~~ PM peak. Part B

Code of Construction Practice Construction Sections 7.7 (Traffic and (Appendix 2.2, App

Mitigation ~~on fear and intimidation for pedestrians and~~ of

Transport ~~Transport cyclists travelling along roads that are part of~~ temporary adverse impacts transport) CoCP Part A the

~~the construction route (that don't meet Rule 2)~~ PR

Implementation of section 7.7 of the CoCP Part A and B (Application Doc

on driver delay at junction (Appendix 2.1 ~~& 2.2~~, App Doc Ref

Table 5.3 - Securing Ref: 5.4.2.1~~, 5.4.2.2~~) Part A (Traffic and Transport) which includes measures for

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~~by number~~	Phase	Reference document	~~location~~	Securing mechanism				
			oW during the construction period.			Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	
T-17	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.	**Code of Construction Practice** Requirement of Section 4.2 that all deliveries will be made outside of peak hours (8am-9am and 3-4pm) unless it is determined to be essential that the delivery is to be completed during peak hours.	Construction	Section 4.2 (Local routeing and site plant vehicle routeing) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7),		DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	
T-18	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak. following:	**Construction Traffic Management Plan** Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the Documented pre-commencement meetings with the site management team as a contractual requirement; Active traffic management; and FORS and CLOCS accreditation	Construction	Section 7.2 (Monitoring Strategy) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7 DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan			Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following:
T-19	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at junction 34 of the A14 in the AM and PM peak.	**Construction Traffic Management Plan** Sequencing the proposed WWTP access road construction at the start of the programme so that it can be used in construction to minimise use of Horningsea Road to access Low Fen Drove Way	Construction	ES Chapter 2 Sections 2 para 2.9.3 and 3.1 3.1 Construction phasing and sequence of assembly (App Doc Ref 5.2.2) Design Plans - Highways and Site Access (App Doc Ref 4.11)	DCO Schedule 3 DCO Schedule 2 Requirement 7 Detailed design		
T-20	Chapter 19: Traffic and Transport	Construction traffic leads to temporary adverse impacts on driver delay at the A10	Table 5.3 - Securing approach of the Milton Mitigation Interchange in the PM peak		**Construction Traffic Management Plan** Implementation of			

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism			
				~~•~~ Documented pre-commencement meetings with the site management team as a contractual requirement; ~~•~~ Active traffic management; and • FORS and CLOCS accreditation Section ~~4.2~~6.4 of the CTMP ~~which recognises the footpath/cycleway along Cowley Road is a potential conflict area~~(Vehicle Scheduling) which requires adherence to works hours	Section 6.5 of the CTMP (Deliveries) which ~~may~~ require~~s diversion and~~the management of deliveries through a scheduling system to avoid AM PM peaks Construction Sections 6.4 (Vehicle scheduling), 6.5 (Delivery scheduling), and Section 7.2 (Monitoring Strategy) of the Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7	Requirement 8 CoCP ~~•~~ DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management ~~measures (subject to agreement with the LHA) for pedestrians and other NMUs.~~ plan which must accord with the measures set out in the construction traffic management plan
T-22	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.		**Code of Construction Practice** Implementation of section 7.7 of the CoCP Part A which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.	Construction	Sections 4.4 (CEMP) and 7.7 (Traffic and transport), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
T-24	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.		**Code of Construction Practice** ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Requirement within ~~section 3 of~~ the CoCP Part A ~~and B~~ section 3 (Community & Stakeholder Engagement) to appoint a ~~Community Liaison Plan (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~	Construction	Sections 6.3 (Adherence to dedicated routes), 6.4 (Vehicle scheduling), 6.5 (Delivery scheduling), 6.9 (Facilitate safe movement of users of the highway (including non-motorised users), and Section 7.2 (Monitoring Strategy) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
T-23	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts on driver delay at the A10/Car Dyke Road junction, and A10 / Denny End Road in the AM peak.		**Construction Traffic Management Plan** Implementation of the CTMP in particular • Section 6.3 Adherence to Designated Routes • Section 6.5 of the CTMP (Deliveries) which requires the management of deliveries through a scheduling system to avoid AM PM peaks Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring th~~e~~ movement of vehicles associated with the construction of ~~he~~e Proposed Development, this will include the following: – Documented pre-commencement meetings with the site management team as a contractual requirement; – Active traffic management; and – FORS and CLOCS accreditation – Section 6.4 of the CTMP (Vehicle Scheduling) which requires adherence to works hours ~~(Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A~~ on driver delay at the ~~(Community &~~ Stakeholder Engagement) to appoint a ~~Sections 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	Construction	Sections 6.3 (Adherence to dedicated routes), 6.4 (Vehicle scheduling), 6.5 (Delivery scheduling), 6.9 (Facilitate safe movement of users of the highway (including non-motorised users), and Section 7.2 (Monitoring Strategy) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan

~~Chapter~~	~~Mitigation~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by number~~	~~location~~
Community Liaison Officer A10/Car Dyke Road Mitigation responsible for ensuring that relationships and lines of communication junction, and A10 / Denny are maintained throughout the construction period including: End Road in the AM peak. communication of construction activity, construction vehicle movements. Construction Section 3 of COCP Part A (App Doc Ref 5.4.2.2) Community Liaison Plan (App Doc Ref 7.8) DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management ~~activities and management of safety concerns raised by the community, residents and businesses~~ plan which must accord with the measures set out in the construction traffic management plan, and a detailed community liaison plan which must accord with the measures set out in the community liaison plan					
T-26	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Long Drove, Bannold Drove, Burgess's Drove, Fen Road. **Construction Traffic Management Plan** Implementation of the CTMP in particular • Section 6.3 Adherence to Designated Routes • Section 6.9 Facilitate safe movement of users of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works • Section 6.9 avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term time • Section 6.9 requirement to provide connectivity/access to community facilities and residential properties during works Construction • Section 6.9 requirement for speed restrictions to Burgess's	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.	(App Doc Ref 5.4.19.7), DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	
T-25	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	Construction traffic leads to temporary ~~Traffic and Mitigation~~ adverse impacts to users of cycling routes, ~~Transport~~ public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.	**Code of Construction Practice** Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Document Ref 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control	Construction Sections 4,4 (CEMP) para 4.4.4 and 3 (Community and Stakeholder Engagement) of COCP Part A (App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary increase in accidents and road safety / worsening of road user safety on Long Drove, Bannold Drove, Burgess's Drove, Fen Road~~	~~Requirement within the CTMP for Principal Contractor(s) and subcontractor vehicles arriving at the Proposed Development to comply with sufficient safety measures and requirements relating to the following schemes:~~ ~~• Fleet Operator Recognition Scheme (FORS) – Requires fleet operators to demonstrate that they are achieving exemplary levels of best practice in safety, efficiency and environmental protection; and~~ Sections 6.3 (Adherence to designated routes) and 6.9 (Facilitate safe movement of users of the highway (including non-motorised users)) of the Construction Traffic Management Plan	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	

Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
			Drove, Bannold Drove and Bannold Road as well as Clayhithe Road will be put in place in accordance with the Temporary Traffic Regulation Order set out in Article 16 of the DCO.		
T-27	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.	**Construction Worker Travel Plan** Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.	Construction	Construction Workers Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
T-28	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing certain locations for pedestrians and cyclists travelling along Long Drove, Bannold Drove, Burgess's Drove, Fen Road.	**Code of Construction Practice** Sections 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, which includes measures for temporary traffic control and measures to manage the impact upon users of the PRoW during the construction period. DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the	Construction	Implementation of section 7.7 (Traffic and Transport) of the CoCP Part A CoCP Part A App Doc Ref 5.4.2.1)	

~~by number~~Phase ~~location~~Securing mechanism

		construction traffic management plan				
T-31	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)	**Design – Accesses** Appropriate design of temporary connections from works areas to the road network in accordance with local highways standards	Construction	ES Chapter 2 Sections 2 para 2.9.3 and 3.1 3.1 Construction phasing and sequence of assembly (App Doc Ref 5.2.2) Design Plans - Highways and Site Access (App Doc Ref 4.11) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 7- Detailed design
			Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: ● Documented pre-commencement meetings with the site management team as a contractual requirement; ● Active traffic management; and FORS and CLOCS accreditation			
T-32	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation					

~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary increase in accidents and road safety / worsening of road user safety on Long Drove, Bannold Drove, Burgess's Drove, Fen Road~~	~~Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) which includes a commitment to avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term time and to adequately reinstate any areas of footpath affected by the works and to maintain the existing alignment/gradient as much as is practicable~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~		Deleted Cells
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 - Securing Mitigation~~	~~Construction traffic leads to temporary increase in accidents and road safety / worsening of road user safety on Long Drove, Bannold Drove, Burgess's Drove, Fen Road~~	~~Implementation of the CTMP in particular Section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which;~~	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~			Deleted Cells
			~~requires connectivity/access to community facilities and residential properties to be maintained during works. At the level crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons- requires that speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road to be put in place for the duration of the works in accordance with the Temporary Traffic Regulation Order set out in the draft DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders) requires temporary parking restrictions on Bannold Road junction with Denny End Road / Car Dyke Lane for the duration of the Waterbeach pipeline construction~~				Deleted Cells
T-30	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	~~Table 5.3 - Securing Mitigation~~	Construction traffic leads to temporary ~~increase in accidents and road safety / worsening of road user safety on~~adverse impacts to users of cycling	**Construction Traffic Management Plan and Community Liaison Plan** Requirement within section 3 ~~of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A~~ (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: communication of ~~changes to access because of PRoW realignment or diversion~~construction activity, construction vehicle movements..	Construction	Sections ~~3,~~ 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP	Inserted Cells

~~Number~~ ~~Phase~~ ~~Reference document~~ ~~location~~ ~~Securing mechanism~~

~~number~~	Phase	Reference document	~~location~~	Securing mechanism
Construction ~~Logistics & Community Safety (CLOCS) - Is a set of road safety requirements to be adopted during~~traffic leads to **Construction Worker Travel Plan**		Implementation of Construction Worker Travel Plan to encourage construction workers to use more sustainable travel modes, to reduce single occupancy vehicle trips and will investigate the potential for flexible working patterns to facilitate travel outside of the peak periods.	to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction ~~period by the supply chain.~~route (that do not meet the criteria in IEMA rule 2)	Travel Plan (Appendix 19.9, App Doc Ref 5.4.19.9) DCO Schedule 2 Requirement 9 CEMP
T-33	~~Table 5.3 - Securing Mitigation~~	Construction traffic leads to temporary ~~increase in accidents and road safety / worsening of road user safety on the local road network (that do not meet rule 2)~~adverse impacts to users of cycling routes, public rights of way, footways, and roads	**Code of Construction Practice** Implementation of ~~the CTMP in particular s~~Section 7.~~2~~7 (~~Monitoring Strategy) which requires the Principal Contractor(s) to manage and operate a 'near miss' reporting system to ensure any accidents or near misses are recorded and investigated appropriately.~~Traffic and Transport) of the CoCP Part A which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period ~~Where relevant, accidents and near misses will be reported to relevant highways stakeholders by the CLO~~.	Construction	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Sections 4.4 (CEMP) and 7.7 (Traffic and transport) of ~~Construction Traffic Management Plan~~CoCP Part A (Appendix ~~19.7~~2.1, App Doc Ref 5.4.2.1~~5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref 2.1~~)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation						
Construction temporary adverse impacts Construction Workers Requirement 8 CoCP						
T-34	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	**Construction Traffic Management Plan** Implementation of the CTMP in particular~~:~~ ~~- Approval and implementation of a Construction Environmental Traffic and Mitigation increase in accidents and road safety / Management Plan secured through a requirement of the draft DCO~~		Construction	~~(App~~(Adherence to Designated Routes) and 6.9 (Facilitate safe movement of users of the highway (including non-motorised users)) of the CoCP Part A (Appendix 2.1, App ~~Doc Ref 2.1).~~	
accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)						
Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)						

- ~~Section 6.3 (~~Adherence to Designated Routes~~)~~
- which specified Routes) and 6.9 (Facilitate that temporary Automatic Number Plate Recognition (ANPR) ~~Transport~~ safe movement of users of cameras will be installed at the following locations (subject to the highway (including non-approval by Cambridgeshire County Council as the Local motorised users)) of CoCP Highways Authority and any other relevant stakeholders): Part A (Appendix 2.1, App ~~worsening of road user safety on the local~~
  - On Horningsea Road, located immediately north and ~~Doc Ref 2.1).~~ Doc Ref 5.4.2.1) south of the A14 signalised junctions; and Construction Traffic
  - North of Low Fen Drove Way to capture construction ~~Section 5.2~~ Management Plan vehicles associated with ~~(T~~temporary site access points ~~and construction road road network (that do not meet rule 2)~~ (Appendix 19.7, App Doc COA3 Ref 5.4.19.7)

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~~by number~~	Phase	Reference document	~~location~~	Securing mechanism				
				• Section 6.9 Facilitate safe movement	of	us	s of the highway which requires maintaining the existing footway / cycleway to the west of the Horningsea Road carriageway at all times with suitable barriers separating the footway from the works	DCO Schedule 2 Requirement 8 CoCP
T-35	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary adverse impacts to users of cycling routes, public rights of way, footways, and roads accessing locations along all roads used as the construction route (that do not meet the criteria in IEMA rule 2)		**Code of Construction Practice and Community Liaison Plan** Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of construction activity, construction vehicle movements	Construction	Sections 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP a detailed community liaison plan which must accord with the measures set out in the community liaison plan,
T-36	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities		DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan ~~signage) which requires the use of temporary signage along all~~ Implementation of section 7.7(Traffic and Transport) of the CoCP Part A includes measures PRoW in particular; DCO Schedule 2 Requirement 9 CEMP ● the requirement to maintain access through the use of safety gates to allow safely cross the construction working area.		CoCP Part A (Appendix 2.1, which App Doc Ref 5.4.2.1)	
T-37	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works ~~corridor and~~ corridor and construction activities		**Code of ~~c~~Construction ~~activities~~ Practice** Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: ● the requirement to divert PRoW where no safe option exists to continue its use ● the requirement to restore PRoW to the same condition as before the works took place ● communication of changes to access because of PRoW realignment or diversion ● communication of construction activity, construction vehicle movements. ● Requirement to appoint CLO ● Requirement to implement approved CLP	Construction	Section 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP a detailed community liaison plan which must accord with the measures set out in the community liaison plan,
T-38	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary delay to users of PRoW due to gated controlled access on PRoW intersected by works corridor and construction activities		**Code of Construction Practice** Temporary diversion of the PRoW 85/6 at the outfall works area using 85/8 and a temporary path to re-join the PRoW 85/6 upstream of the outfall works area. The CoCP Part A incudes		● a requirement for the use of safety gates to be put in place and users allowed to safely cross the construction working area which would allow users diverted on to the 85/8 to cross over the works to construct the treated effluent pipeline and join the temporary diversion back to the 85/6; and ● a requirement for all PRoW to be restored to the same condition as before the works took place or to a standard which is acceptable to the	

~~by number~~Phase Reference document ~~location~~Securing mechanism

		Local Highway Authority which returns the paths to the same or better condition, so journey quality is unaffected once the works have been completed.			~~internal haul road speed limits, warning (hazard signs), potential~~		DCO Schedule 2 Requirement 10 – Outfall management and	
T-39	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's Road, Fen Road	●	**n Traffic Management Plan** ıtion of the CTMP in particular ction 6.9 (Facilitate safe movement of users of the highway cluding NMUs) which – (in requires connectivity/access to community facilities and residential properties to be maintained during works. At the level crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons – requires connectivity/access to community facilities and residential properties to be maintained during works. At the level crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons Section 6.9 (Facilitate safe movement of users of the – highway (including NMUs)) which includes a commitment to avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term time and to adequately	Construction	Sections 4.4 (CEMP) CoCP Part A and 3.1 CoCP Part B(Appendix 2.1, App Doc Ref 5.4.2.1 & 5.4.2.2) Sections 6.9 (Facilitate safe movement of users of the highway (including nonmotorised users)) and 7.2 (Monitoring and scheduling) of Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7 Rights of Way Plans (App Doc Ref 4.6)	DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
Construction	Sections 4.4 (CEMP) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Rights of Way Plans (App Doc Ref 4.6) ~~Construction~~Sections 6.9 (Facilitate safe movement of users of the highway (including nonmotorised users)) and 7.2 (Monitoring and scheduling) of Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7 ~~proposed construction haul roads. As a minimum this will include 5.4.19.7), secured through a requirement of the draft DCO (App Doc Ref~~					monitoring plan DCO Schedule 2 Requirement 9 CEMP including a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	

~~Chapter~~	~~Mitigation~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~	~~number~~	~~location~~
			reinstate any areas of footpath affected by the works and to maintain the existing alignment/gradient as much as is practicable – Section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which requires that speed restrictions Speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as Clayhithe Road to be put in place for the duration of the works in accordance with the Temporary Traffic Regulation Order set out in the draft DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders) Section 7.2 which requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: ● Documented pre-commencement meetings with the site management team as a contractual requirement; ● Active traffic management; and ● FORS and CLOCS accreditation			
T-40	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP – which must include a detailed community liaison plan which must accord with the measures set out in the community liaison plan	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along Long Drove, Bannold Road, Burgess's of changes to access because of PRoW realignment or diversion	**Code of Construction Practice and Community Liaison Plan** Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication Road, Fen Road	Construction	Section 3, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)	
T-42	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation Construction traffic leads to **Code of Construction Practice** temporary effect on fear	and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2)	Requirement within section 3 (Community & Stakeholder Engagement) of the CoCP Part A to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including communication of changes to access because of PRoW realignment or diversion	Construction	5.4.2.1) Community Liaison Plan (App Doc Ref 7.8) DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP – which must include a detailed community liaison	plan which must accord with the measures set out in the communi
T-41	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2)	**Code of Construction Practice** Implementation of section 7.7 of the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref: 5.4.2.1, 5.4.2.2) Part A (Traffic and Transport) which includes measures for temporary traffic control and measures manage the impact upon users of the PRoW during the construction period.	Construction	Sections 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
				ty liaison plan

~~by number~~Phase Reference document ~~location~~Securing mechanism

T-43	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that do not meet Rule 2)	**Construction Traffic Management Plan** Section 4.2 of the CTMP which recognises the footpath/cycleway along Cowley Road is a potential conflict area which may require diversion and traffic management measures (subject to agreement with the LHA) for pedestrians and other NMUs. Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: • Documented pre-commencement meetings with the site management team as a contractual requirement; • Active traffic management; and • FORS and CLOCS accreditation	Construction	Sections 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 4.2 (Local routeing and site plant vehicle routeing) and 7.2 (Monitoring strategy) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP (2)(a)(vii) a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan	T-44
	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Construction traffic leads to temporary effect on fear and intimidation for pedestrians and cyclists travelling along roads that are part of the construction route (that don't meet Rule ~~a~~ ~~which may require diversion and traffic management measures (subject to agreement with the LHA) for pedestrians and other NMUs.~~2)	**Code of Construction Practice** Implementation of section 7.7 Traffic and Transport) which of the CoCP Part A (includes measures for temporary traffic control. and transport) of CoCP Part A CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~Section 4.2 which recognises the footpath/cycleway along Cowley Road is a potential conflict area~~	Construction	Sections 3 (Community & Stakeholder Engagement), 4.4 (CEMP) and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) 2) Community Liaison Plan		

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism				
T-45	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	~~Table 5.3 - Securing Mitigation~~	Construction traffic leads to temporary increase in accidents and road safety / worsening of road user safety on ~~the local road network (that do not meet rule 2)~~Long Drove, Bannold Drove, Burgess's Drove, Fen Road	~~Requirement within the CTMP for Principal Contractor(s) and subcontractor vehicles arriving at the Proposed Development to comply with sufficient safety measures and requirements relating to the following schemes:~~ ~~• Fleet Operator Recognition Scheme (FORS) – Requires fleet operators to demonstrate that they are achieving exemplary levels of best practice in safety, efficiency and environmental protection; and~~ **Construction Traffic Management Plan** Implementation of the CTMP in particular • Section 4.2 of the CTMP which recognises the footpath/cycleway along Cowley Road is a potential conflict area which may require diversion and traffic management measures (subject to agreement with the LHA) for pedestrians and other NMUs. • Section 6.9 (Facilitate safe movement of users of the highway (including NMUs)) which includes a commitment to avoid HGV movements through Waterbeach during school drop-off and pick-up hours throughout term time and to adequately reinstate any areas of footpath affected by the works and to maintain the existing alignment/gradient as much as is practicable • Section 6.9 (Facilitate safe movement of users of the highway (including NMUs) which; ~~Construction Logistics & Community Safety (CLOCS) – Is a set of road safety requirements~~ – requires connectivity/access to community facilities and residential properties to be ~~adopted~~maintained during ~~the construction period by the supply chain.~~works. At the level crossings on Bannold Road and Station Road in Waterbeach, construction traffic, where necessary, should have restricted working hours, speed restrictions and the use of banks persons – requires that speed restrictions to Burgess's Drove, Bannold Drove and Bannold Road as well as	Construction	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Sections 4.2 (Local routeing and site plant vehicle routeing), 6.9 (Facilitate safe movement of users of the highway (including nonmotorised users)) and 7.2 (Monitoring and scheduling) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)~~, secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan
~~Chapter 19: Traffic and Transport~~	~~Table 5.3 – Securing Mitigation~~	~~Operational traffic contributes to overall traffic and contributes to future delay~~	~~Implementation of Operational Worker Travel Plan to reduce vehicle movements to and from the proposed WWTP~~ ~~Monitoring of the Operational Workers Travel~~	~~Operational Workers Travel Plan (Appendix 19.8, App Doc Ref 5.4.19.8), secured through a requirement of the draft DCO (App Doc Ref 2.1)~~				

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~~Chapter 19: Traffic and Transport~~	~~Table 5.3 – Securing Mitigation~~	~~Operational traffic leads to an increased risk / delay for users of the local road network as a result of the transportation of abnormal or hazardous loads~~	~~Plan (OWTP) will be a requirement of CCC for a 5-year period~~ ~~Controlled through h Operational Transport Logistics Plan and requirements in relation coordination of vehicle movements in line with the regulations for notifying authorities of abnormal loads~~	~~Approval and implementation of an Operation Logistics Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	(App Doc Ref 7.8) DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP a detailed community liaison plan which must accord with the measures set out in the community liaison plan T-46 Chapter 19: Traffic and Construction traffic leads to **Code of Construction Practice** Transport temporary increase in ● Requirement within section 3 (Community & Stakeholder
			Clayhithe Road to be put in place for the duration of the works in accordance with the Temporary Traffic Regulation Order set out in the draft DCO (the detail of which will be subject to agreement with Cambridgeshire County Council and any other relevant stakeholders) – requires temporary parking restrictions on Bannold Road junction with Denny End Road / Car Dyke Lane for the duration of the Waterbeach pipeline construction ● Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: – Documented pre-commencement meetings with the site management team as a contractual requirement; – Active traffic management; and – FORS and CLOCS accreditation		
	Table 5.2 - Securing Mitigation	accidents and road safety / worsening of road user safety on Long Drove, Bannold Drove, Burgess's Drove, Fen Road	Engagement) of the CoCP Part to appoint a Community Liaison Officer responsible for ensuring that relationships and lines of communication are maintained throughout the construction period including: – communication of traffic management activities and management of safety concerns raised by the community, residents and businesses – communication of changes to access because of PRoW realignment or diversion		

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T-47	Chapter 19: Traffic and Transport Table 5.2 - Securing Mitigation	Construction traffic leads to temporary increase in accidents and road safety / worsening of road user safety on the local road network (that do not meet rule 2)	**Construction Traffic Management Plan** Implementation of the CTMP in particular • Section 4.2 which recognises the footpath/cycleway along Cowley Road is a potential conflict area which may require diversion and traffic management measures (subject to agreement with the LHA) for pedestrians and other NMUs. • Section 5.2 (Temporary access points and construction road signage) which requires the use of temporary signage along all proposed construction haul roads. As a minimum this will include internal haul road speed limits, warning (hazard signs), potential vehicle or pedestrian • Section 6.3 Adherence to Designated Routes	Construction	Sections 4.2 (Local routeing and site plant vehicle routeing), 5.2 (Temporary access points and construction road signage), (6.3 (Adherence to Designated Routes) and 7.2 (Monitoring and scheduling) Construction Traffic Management Plan (Appendix 19.7, App Doc Ref 5.4.19.7)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP a detailed construction traffic management plan which must accord with the measures set out in the construction traffic management plan

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism			
				• Section 7.2 (Monitoring Strategy) which requires the Principal Contractor(s) to manage and operate a 'near miss' reporting system to ensure any accidents or near misses are recorded and investigated appropriately. Where relevant, accidents and near misses will be reported to relevant highways stakeholders by the CLO. • Section 7.2 of the CTMP requires that the Principal Contractor(s) will implement a system for monitoring the movement of vehicles associated with the construction of the Proposed Development, this will include the following: – Documented pre-commencement meetings with the site management team as a contractual requirement; – Active traffic management; and – FORS and CLOCS accreditation			
	Construction	Sections 3 (Community & Stakeholder Engagement), 4.4 (CEMP), and 7.7 (Traffic and transport) of CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Community Liaison Plan (App Doc Ref 7.8)					DCO Schedule 2 Requirement 8 CoCP
T-48	Chapter 19: Traffic and Transport Table 5.3 - Securing	Operational traffic contributes to overall traffic and contributes to future movements to and from the proposed WWTP		**Operational Worker Travel Plan** Implementation of Operational Worker Travel Plan to reduce vehicle delay	Operation	Operational Workers Travel Plan (Appendix 19.8, App Doc Ref 5.4.19.8)	DCO Schedule 2 Requirement 7 - Detailed design

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
	Mitigation		Monitoring of the Operational Workers Travel Plan (OWTP) will be a requirement of CCC for a 5-year period	DCO Schedule 2 Requirement 19 Operational Logistics Traffic Plan

T-49	Chapter 19: Traffic and Transport Table 5.3 - Securing Mitigation	Operational traffic leads to an increased risk / delay for users of the local road network as a result of the transportation of abnormal or hazardous loads	**Operational Logistics Traffic Plan** Controlled through ~~t~~the Operational ~~Transport~~ Logistics Traffic Plan and requirements in relation coordination of vehicle movements in line with the regulations for notifying authorities of abnormal loads Approval and implementation of an Operation Transport Logistics Plan	Operation	ES Chapter 19 Traffic an Transport Table 5-3 (App Doc Reg 5.2.19)	DCO Schedule 2 Requirement 19 Operational Logistics Traffic Plan

Schedule 2 Requirement 9 CEMP a detailed community liaison plan which must accord with the measures set out in the community liaison plan, T-50 Chapter 19: Traffic and Transport

Table 5.3 - Securing Mitigation

Operational vehicle ~~**ANPR Camera**~~ movements and the Permanent Automatic Number Plate Recognition (ANPR) cameras will be ~~Approval and implementation of an Operation Logistics Plan secured Traffic and~~ Mitigation presence of the new ~~connection to the~~ be installed at the proposed Cambridge WWTP site access on Horningsea ~~through a requirement of the draft DCO (App Doc Ref 2.1). Transport~~ ~~Horningsea Road junction leads to adverse~~ connection to the ~~Horningsea~~ Road once the proposed Cambridge WWTP site access is ~~effect on fear and intimidation for pedestrians.~~ operational

Horningsea Road junction

(subject to approval by Cambridgeshire County Council as ~~and cyclists travelling along Horningsea Road~~ the Local

leads to adverse effect on

Highways Authority and any other relevant stakeholders).

~~Management of construction vehicle movements through application of measures within operational transport logistics plan including scheduling of deliveries and monitoring of vehicle movements including through use of ANPR data .~~ fear and intimidation for

~~Chapter 20: Water Resources~~ T-51	Chapter 19: Traffic and Transport Table 5.~~2~~3 - Securing Mitigation	~~Impact of accidental spills to groundwater quality while relocating rising mains and gravity sewers at the existing Cambridge~~ Operational vehicle movements and the presence of the new connection to the Horningsea Road junction leads to adverse effect on fear and intimidation for	**Operational Transport Logistics Plan** Management of ~~construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site.~~vehicle movements through application of measures within ~~o~~Operational ~~transport L~~logistics ~~p~~Traffic Plan including scheduling of deliveries and monitoring of vehicle movements including through use of ANPR data . ~~The plans will be~~	Operation	ES Chapter 19 Traffic and Transport Table 5-3 (App Doc Reg 5.2.19)	~~Sections 4.4, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental~~ DCO Schedule 2

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~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
		pedestrians and cyclists travelling along Horningsea ~~WWTP~~Road	~~appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~ ~~• measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits~~ ~~• requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ ~~• requirement for refuelling of machinery used fort the works to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~		Requirement 19 Operational Logistics Traffic Plan ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of below-ground structures and areas~~ pedestrians and cyclists travelling along Horningsea Road ~~Water Resources Mitigation~~ Operation ~~of hardstanding, on drainage in the WWTP, and recharge and groundwater in the aquifer.~~	~~Detailed surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2 or whatever guidance is current at the time of design) as well as the specific requirements for the detailed drainage design to:~~ ~~• provide a segregated drainage system for the proposed WWTP in areas of potential contamination.~~ ~~• determine the area of permeable surfaces within the land required for the landscape masterplan, access road and proposed WWTP through which infiltration could occur.~~ ~~• incorporate incidences of emergent groundwater which would then become surface water and managed within the integrated drainage solution to incorporate a storage and attenuation feature within the landscape masterplan~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of cofferdam, used to maintain dry conditions during outfall construction, on water quality of the River Cam~~	~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans~~		~~Approval of the detailed design, construction risk assessment and method statement in relation to outfall construction and dewatering as secured through applicable Environmental Permit (Flood Risk Activities &Water Discharge) or in case of dewatering working within a Regulatory Position Statement issued by the Environment Agency~~
~~WWTP, and recharge and groundwater in the aquifer.~~DCO Schedule 2 ~~Incidences of emergent groundwater will be managed by surface water drainage design.~~		Section 7.2 (Monitoring design ~~Drainage S~~strategy) CTMP (Appendix ~~20.12~~ 19.4, App Doc Ref ~~5.4.20.12) which is secured through~~5.4.19.7)		Requirement 7 - Detailed - Detailed design DCO Schedule ~~a~~2 ~~r~~Requirement ~~in the draft DCO (App Doc Ref 2.1)~~7	
W-1	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	accidental spills to ~~Water Resources~~	**Code of Construction Practice** ~~Mitigation~~	groundwater quality while ~~water flood risk by increasing surface water runoff during periods of heavy rainfall~~	
Impact of ~~construction sites increasing surface~~					

~~by number~~Phase Reference document ~~location~~Securing mechanism

			~~including:~~	~~requirement to implement best practice measures~~	~~Sections 4.4 5.13, and 7.5, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		
				~~Management of dewatering activities in accordance~~	~~CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a~~		
W-2	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of below-ground structures and areas of hardstanding, on drainage in the WWTP, and recharge and groundwater in the aquifer.	**Surface Water Drainage Design** Incidences of emergent groundwater will be managed by surface water drainage design. Detailed surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2 or whatever guidance is current at the time of design) as well as the specific requirements for the detailed drainage design to: • provide a segregated drainage system for the proposed WWTP in areas of potential contamination. • determine the area of permeable surfaces within the land required for the landscape masterplan, access road and proposed WWTP through which infiltration could occur. • incorporate incidences of emergent groundwater which would then become surface water and managed within the integrated drainage solution to incorporate a storage and attenuation feature within the landscape masterplan	Operation	Drainage strategy (Appendix 20.12, App Doc Ref 5.4.20.12)	DCO Schedule 2 Requirement 15 – Drainage	~~quirement~~
			~~the bank that are disturbed/cleared, avoiding stockpiling of material close to the banks, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~				
Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan (s),			Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: ~~• The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~ • measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.				

relocating rising mains and gravity sewers at the existing Cambridge WWTP

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
				~~whilst construction work takes place. These will be reflected in an appended plan to/as part of the CEMP. This will include the following:~~ • ~~requirement to minimise construction period for sections identified within the flood zone~~ • ~~the timing of river crossing works in summer months if possible~~ • ~~requirement for a flood management plan for construction works within areas at risk of flooding~~ • ~~Inclusion of dry access/egress routes for pedestrians from compounds~~ • ~~requirement for any soil temporarily stored within the flood zone, to include gaps to allow flood water to run through~~
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of dewatering during construction of the TPS shaft on groundwater levels at nature conservation sites.~~	~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 of Part A which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to management of groundwater including:~~ • ~~management of dewatering activities in accordance with Environment Agency specifications including rates and durations~~ • ~~measures to control dewatering (such as ceasing, changing of pump rates) to be put in place if monitoring of water levels in Black Ditch indicates adverse changes as result of dewatering during the TPS construction leads to significant effects to surface water bodies~~	~~Sections 4.4 Construction Environment Management Plan, Section 7.5 Water resources and flood risk (dewatering) and 5.7, Pollution Incident Control Plan, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Requirement for a water monitoring plan to include specific provision for water quality monitoring at the specified location through a requirement of the draft DCO (App Doc Ref 2.1).~~
W-3	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of cofferdam, used to maintain dry conditions during outfall construction, on water quality of the River Cam	**Code of Construction Practice** Management of construction activities as described within the CoCP Part ~~A~~ A and B ~~(~~Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section 4.4 ~~-~~which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • requirement for refuelling of machinery used fort the works to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained Construction ~~The management of water resources and flood risk as set out within Section 7.5 of the CoCP Part A, Water resources and flood risk, sets out a framework for the control of flood risk during construction, identifying a number of 'standard' mitigation measures which will be implemented~~	Construction	Sections 4.4 (CEMP) Para 4.4.4, Section 5.13 (River work), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Sections 4.4 (CEMP) Para 4.4.4, Section 5.14, (Watercourses/drainage channels), 7.5 (Water resources and flood risk) ~~(dewatering) and 5.7, Pollution Incident Control Plan,~~ within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.~~2~~1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	DCO Schedule 2 Requirement 7 -Detailed design DCO Schedule 2 Requirement 9 (2)(a)(vi) CEMP to include detailed WQMP, Requirement 9 DCO Schedule 2	R~~r~~equirement ~~of the draft DCO (App Doc Ref 2.1).~~8 CoCP ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Chapter 20: Table 5.2 - Securing Impact of dewatering during outfall~~ DCO Schedule 2 Requirement 9 CEMP (

~~Chapter~~	~~Mitigation number~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by~~	~~location~~
			~~Water Resources Mitigation~~ Management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour. ~~construction on groundwater and surface water flows and levels~~		
			Management of construction activities as described within the CoCP Part A and B ~~(~~Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2~~)~~, in particular Part A section 4.4 ~~of Part A~~ which require~~s~~d the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into ~~the~~ CEMP(s). These plans will include the requirement to implement best practi~~ces~~e measures ~~-~~in relation to management of dewatering ~~effects on groundwater~~activities including:		
			~~m~~Management of dewatering activities in accordance with		
			Environment Agency specifications including ~~rates and durations~~ treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour		
			~~measures to control dewatering (such as ceasing, changing of pump rates) to be put in place if impacts on water flows / levels are identified~~ The application of measures to prevent run-off from construction to the landside draining to the cofferdam such as the use of cut off drains, avoiding vegetation removal right up to the bank, minimising the areas at the bank that are disturbed/cleared, avoiding stockpiling of material close to the banks, use of silt fencing or coir rolls on gentle slops		installed at levelled contours to control runoff.

~~number~~Phase Reference document ~~location~~Securing mechanism

Approval of the detailed design,

W-4	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of construction sites increasing surface water flood risk by increasing surface water runoff during periods of heavy rainfall	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff. The management of water resources and flood risk as set out within Section 7.5 of the CoCP Part A, Water resources and flood risk, sets out a framework for the control of flood risk during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an appended plan to/as part of the CEMP. This will include the following: construction risk assessment and method statement in relation to outfall construction and dewatering ~~as secured through~~ ~~applicable~~ (2)(b)(vi) CEMP to include Section 3.3 CoCP Part B detailed WQMP (Appendix 2.2, App Doc Ref 5.4.2.2) Environmental ~~P~~permit ~~(Flood Risk Activities &Water Discharge) or in case of dewatering working within a Regulatory Position Statement issued by the~~ ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2)	Construction	Sections 4.4 CEMP, 7.5 (Water resources and flood risk, dewatering) and 5.7 (Pollution Incident Control Plan) (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3.1, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP and a detailed PICP

Chapter	Mitigation	Description of impact	Mitigation measure	Secured by	number	location
			• requirement to minimise construction period for sections identified within the flood zone • the timing of river crossing works in summer months if possible • requirement for a flood management plan for construction works within areas at risk of flooding • Inclusion of dry access/egress routes for pedestrians from compounds • requirement for any soil temporarily -stored within the flood zone, to include gaps to allow flood water to run through			
W-5	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of dewatering during **Code of Construction Practice** construction of the TPS Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular at nature conservation sites.	(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures -in relation to management of groundwater including: • management of dewatering activities in accordance with Environment Agency specifications including rates and durations • measures to control dewatering (such as ceasing, changing of pump rates) to be put in place if monitoring of water levels in Black Ditch indicates adverse changes as result of dewatering during the TPS construction leads to significant effects to	section 4.4 of Part A which requires the Principal Contractor		

~~by number~~Phase Reference document ~~location~~Securing mechanism

	surface		(Appendix 2.2, App Doc Ref ~~2.1~~			
W-6	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of dewatering during outfall construction on groundwater and surface water flows and levels	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1~~,~~ 5.4.2.2~~,~~) in particular ~~Part A~~ section 4.4 of Part A which require~~d~~s the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practi~~c~~e measures in relation to management of dewatering ~~activities~~effects on groundwater including: ~~M~~ • management of dewatering activities in accordance with Environment Agency specifications including rates and durations • measures to control dewatering (such as ceasing, changing of pump rates) to be put in place if impacts on water flows / levels are identified	Construction	Sections 4.4 (CEMP), 7.5 (Water resources and flood risk), dewatering, management of silt during construction),and 5.7 (Pollution Incident Control Plan) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Environmental Permit (Flood Risk Activities &Water Discharge) or in case of dewatering working within a Regulatory Position Statement issued by the Environment Agency
	water bodies		5.4.2.2~~).~~			
~~Sections 4.4~~ Construction Environmental Management Plan, Sections 4.4 (CEMP), Section 7.5 (Water resources and flood risk (dewatering)), ~~management of silt during construction)~~ and 5.7~~,~~ (Pollution Incident Control Plan~~,~~) CoCP Part A (Appendix 2.~~1~~2, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (~~ Section 3.1 of CoCP Part B		~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~ DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP				

~~Chapter~~	~~Mitigation~~	~~Description of impact~~	~~Mitigation measure~~	~~Secured by number~~	~~location~~
			• Approval of the detailed design, construction risk assessment and method statement in relation to outfall construction and dewatering		
W-7	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of dewatering of the Groundwater monitoring Construction Sections 4.4 (CEMP), 7.5 West Melbury Marly Chalk (Water resources and flood ~~Water Resources~~	~~ation Marly Chalk Formation on water~~courses including the River Cam, Black Ditch and Quy Water, during construction of the TPS shaft. Management of dewatering on the ~~changes to~~availability of groundwater through the monitoring of water levels in available monitoring boreholes within the land required for proposed WWTP and landscape masterplan, ~~would be undertaken~~ for a period prior to, during and following all dewatering activities during construction at the proposed WWTP in order to inform management monitoring indicate a change in groundwater flows as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering, or amending dewatering	Formation on groundwater levels during construction of the TPS shaft	risk), dewatering, management of silt during construction),and 5.7 (Pollution Incident Control construction at
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of dewatering of West Melbury Marly Chalk Formation on a surface water abstraction for agriculture (spray irrigation) in Black Ditch~~	~~Management of dewatering on the changes to groundwater through:~~ ~~• maintaining regular contact with the owner of a nearby private borehole during construction and putting in place measures to maintain supply to the property if required. These will be outlined in the CEMP.~~ ~~• there will not be any dewatering to the Black Ditch itself.~~		~~Implementation of works to accord with the requirements of the Environmental Permit (Abstraction/Water Discharges) and or work within RPS261 issued by the Environment Agency~~ ~~Sections 3.3, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Community Liaison Plan (CLP) (App Doc Ref 7.8) which is secured through a requirement in the draft DCO (App Doc Ref 2.1)~~
W-8	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of dewatering of the West Melbury Marly Chalk Formation on ~~groundwater~~watercourses including the River Cam, Black Ditch and Quy Water, during construction of the TPS shaft.	**Groundwater monitoring** Management of dewatering on the changes to groundwater through the monitoring of water levels in available monitoring boreholes within the land required for proposed WWTP and landscape masterplan, would be undertaken for a period prior to, during and following all dewatering activities during construction at the proposed WWTP in order to inform management response should monitoring indicate a change in groundwater flows as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering, or amending dewatering points and would be agreed through consultation with the Environment Agency.	~~Sections 4.4~~Pre Construction Construction Operation	Sections 4.4 (CEMP) Para 4.4.4, and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Section 3.1 CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2) ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) ES Chapter 20:Water Resources Section 4 (App Doc Ref 5.2.20)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP DCO Schedule 2 Requirement 22 – Operational Water Quality Monitoring Plan

p o i n t s a n d w o u l d b e a g r e

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of dewatering of the West Melbury Marly Chalk Formation on groundwater~~ ~~levels during construction of the TPS shaft~~	~~Management of dewatering on the availability of groundwater through the monitoring of water levels in available monitoring boreholes within the land required for proposed WWTP and landscape masterplan, for a period prior to, during and following all dewatering activities during construction at the proposed WWTP in order to inform management response should monitoring indicate a change in groundwater flows as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering, or amending dewatering points and would be agreed through consultation with the Environment Agency.~~	~~Sections 4.4 Construction~~ ~~Environment Management Plan, Section 7.5 Water resources and flood risk (dewatering, management of silt during construction) and 5.7, Pollution Incident Control Plan CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and Sections 3.3, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Requirement for a water monitoring plan to include specific provision for water quality monitoring at the specified location through a requirement of the draft DCO (App Doc Ref 2.1).~~
			Agency.	
e d t h r o u g h c o n s u l t a t i o n w i t h t h e E n v i r o n m e n t			~~Implementation of works to accord with the requirements of the Environmental Permit (Abstraction/Water Discharges) and or work within RPS261 issued by the Environment Agency~~	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP

by numberPhase Reference document locationSecuring mechanism

Chapter 20: Water Resources

Table 5.2 - Securing Mitigation

Impact of dewatering of West Melbury Marly Chalk Formation on a surface water abstraction for nearby private

Groundwater management

Management of dewatering on the changes to groundwater through:

- maintaining regular contact with the owner of a agriculture (spray irrigation) borehole during construction and putting in place measures to in Black Ditch maintain supply to the property if required. These will be outlined in the CEMP.
- there will not be any dewatering to the Black Ditch itself.

Monitoring of water levels in available monitoring boreholes within the landrequired for proposed WWTP and landscape masterplan, would be undertaken for a period prior to, during and following all dewatering activities during construction at the proposed WWTP in order to inform management response should monitoring indicate a change in groundwater flows as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering or amending dewatering points and would be agreed through consultation with the Environment Agency.

The scope of the monitoring including its duration will be agreed with all relevant stakeholders before commencement of works which could potentially impact the ditch.

Requirement for a water monitoring plan to include specific provision for water quality monitoring at the specified location through a requirement of the draft DCO (App Doc Ref 2.1).

Construction

Sections 3.3, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO

Community Liaison Plan (CLP) (App Doc Ref 2.17.8).

Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).

DCO Schedule 2 Requirement 8 CoCP

DCO Schedule 2 Requirement 9 CEMP

Requirement 9 - CEMP to include detailed WQMP

DCO Schedule 2 Requirement 22 – Operational Water Quality

~~number~~	Phase	Reference document	~~location~~	Securing mechanism
				Monitoring Plan
W-9	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	**Groundwater monitoring** Monitoring of water levels in available monitoring boreholes within the land required for proposed WWTP and landscape masterplan, would be undertaken for a period prior to, during and following all dewatering activities during construction at the proposed WWTP in order to inform	Pre construction Construction Operation	Sections 4.4 (CEMP) Para 4.4.4, and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
W-10	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	management response should monitoring indicate a change in groundwater flows as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering or amending dewatering points and would be agreed through consultation with the Environment Agency. The scope of the monitoring including its duration will be agreed with all relevant stakeholders before commencement of works which could potentially impact the ditch.		Section 3.1 CoCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2) ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) ES Chapter 20:Water Resources Section 4 (App Doc Ref 5.2.20)	Requirement 9 - CEMP to include detailed WQMP DCO Schedule 2 Requirement 22 – Operational Water Quality Monitoring Plan
Impact of excavation and backfill of stormwater and groundwater flow within the trenches on land drains and	**Code of Construction Practice** Construction Para 4.4.4, Management of construction activities as described within the	A and B (Application Document Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be incorporated into the CEMP(s). These plans will include requirement to implement the following measures in relation to groundwater flow:		Sections 4.4 (CEMP) Para 4.4.4, and 7 .5 (Water resource and flood risk), CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

~~by number~~Phase Reference document ~~location~~Securing mechanism

~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of excavation and backfill of stormwater and final effluent pipeline trenches on land drains and groundwater flow~~	~~Management of construction activities as described within the CoCP Part A and B (Application Document Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement the following measures in relation to groundwater flow:~~ ~~• a requirement within the CoCP Part A, section 5.14 (Watercourses/drainage channels) which requires the identification of land drains potentially affected by construction works and the reinstatement of a post works drainage system to the satisfaction of the land owner.~~ ~~• a requirement within the CoCP Part B, section 3.4 which requires the backfilling of trenches with suitable materials, including the use of clay plugs or partitions if necessary to prevent preferential groundwater flow in backfilled trenches.~~		~~Sections 5.14, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Sections 3.1 CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	
	Sections 3.4 CoCP Part B	• a requirement within the CoCP Part A, section 5.14 (Watercourses/drainage channels) which requires the identification of land drains potentially affected by construction works and the reinstatement of a post works drainage system to the satisfaction of the land owner. • a requirement within the CoCP Part B, section 3.4 which requires the backfilling of trenches with suitable materials, including the use of clay plugs or partitions if necessary to prevent preferential groundwater flow in backfilled trenches.			(Appendix 2.2, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP
W-11	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of excavation and backfill of ~~stormwater and final effluent~~Waterbeach pipeline trench~~es~~ on land drains and groundwater flow	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (~~Application Document~~Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement the following measures in relation to groundwater flow: • a requirement within the CoCP Part A, section 5.14 (Watercourses/drainage channels) which requires the identification of land drains potentially affected by construction works and the reinstatement of a post works drainage system to the satisfaction of the land owner.	Construction	Sections 4.4 (CEMP) Para 4.4.4, Section 5.14 (Watercourses and drainage), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 3.4 CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP Requirement 9 - CEMP to include detailed WQMP and a detailed PICP
			~~Sections 5.14, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~			

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism			
				and a include detailed PICP			
				• a requirement within the CoCP Part B, section 3.4 which requires the backfilling of trenches with suitable materials, including the use of clay plugs or partitions if necessary to prevent preferential groundwater flow in backfilled trenches.			
W-12	Chapter 20: Water Resources Chapter 2:Project Description section 3.4, Table 5.2 - Securing Mitigation	Impact of leakage from Waterbeach pipeline to groundwater quality	**Design Features and Construction Methods** Management of excavation and backfill on drainage and groundwater through~~:~~ ~~•~~ robust design, construction and pressure testing of the Waterbeach pipeline which will mitigate against pipeline leakage during ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO~~3.4.49 (App Doc Ref ~~2.1)~~5.2.2) operation	Construction ES Chapter 20 Water Resources Section 4.1 para 4.1.105 (App Doc Ref 5.2.20) ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) ES Chapter 20:Water Resources Section 4 (App	~~Sections 3.4 CoCP Part B~~ (Appendix 2.~~2~~4, App Doc Ref 5.4.2.~~2~~4) ~~secured through~~ DCO Schedule ~~a~~2 ~~r~~Requirement ~~of the draft DCO (App Doc Ref 2.1).~~ 7 - Detailed design DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP	Commissioning Plan
~~•~~W-13	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of leakage from Waterbeach pipeline to groundwater quality	**Code of Construction Practice** ~~a R~~requirement within the CoCP Part B in relation to a borehole approximately 210 metres from the pipeline, to maintain regular contact with the owner during construction and a requirement to maintain supply to the property if required. These will be outlined in the CEMP. A non-derogation agreement will be entered into with the owners at their request.	Construction	~~Sections 3.4, CoCP Part B Commissioning Plan~~ (Appendix 2.~~4~~2, App Doc Ref 5.4.2.~~4~~2) ~~secured through a requirement of the draft DCO (~~ Sections 3.4, CoCP Part B (Appendix 2.2, App Doc Ref ~~2.1~~ 5.4.2.2)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP which includes measures to safeguard private supply Requirement 9 - CEMP to include detailed WQMP Requirement 9 - CEMP to include detailed PICP,
W-14	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of minor inflows of groundwater to shafts or ~~the TPS~~ shaft	**Groundwater monitoring** Management of potential changes to groundwater through monitoring ~~*Requirement to prepare and implement an operational monitoring programme secured through a requirement of the draft DCO (App Doc Ref 2.1)~~ of groundwater to detect change in water quality to trigger further control measures in the unlikely event that there are incidences of contamination from leaks from operation of the proposed WWTP.	Operation			

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~~number~~Phase Reference document ~~location~~Securing mechanism

~~Chapter 20: Water Resources~~W-15	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of spills or leaks migrating in groundwater through the West Melbury Marly Chalk Formation to surface drains connected to the Black Ditch watercourse	**Environmental management system** Operation in accordance with environmental permit for the proposed WWTP including implementation of EMS which will include materials storage controls, spill control measures, emergency response procedures. The Operational Management Plan will include regular inspection and repair regime of all tanks and areas with potential for hydrocarbon contamination such as bunds around fuel tanks and -hardstanding. Measures for continuous control of site activities during the -operation and maintenance of the proposed WWTP through operational ~~procedures in relation to inspections and repair, asset condition assessment (such as checking the integrity of tanks, bunds and hard-standing), materials storage controls, spill control measures, and emergency responses. Operational procedures will be developed further during the life of the Proposed Development from detailed design to the proposed assets going into full operation, in compliance with the relevant Environmental Permit for the Proposed Development. Operational procedures will be developed further during the life of the Proposed Development from detailed design to the proposed assets going into full operation, in compliance with the relevant Environmental Permit for the Proposed Development.~~	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2)	~~The~~ Environmental Permit ~~will include conditions requiring management systems to cover emergency responses and pollution prevention.~~ ~~Operational maintenance plan Preparation of an operational monitoring programme as part of the written EMS to cover periodic monitoring activities to accord with the requirements of the Environmental Permit.~~	Doc
			~~Measures to minimise contamination through detailed surface water drainage design complying with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2 or whatever guidance is current at the time of design) as well as the specific requirements for the detailed drainage design to:~~ ~~• provide a segregated drainage system for the proposed WWTP in areas of potential contamination within the proposed WWTP.~~ ~~Detailed drainage design will determine the area of permeable surfaces within the land required for the landscape masterplan, access road and proposed WWTP through which infiltration could occur.~~			~~Detailed surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
			~~Monitoring of water quality at Black Ditch, the northernmost land drain connecting to Black Ditch, the attenuate pond receiving discharge from the drainage network, and at available monitoring boreholes within the~~			~~Requirement for operational management and monitoring plans to include specific provision for water quality monitoring at the specified locations through a requirement of the draft DCO (App Doc Ref 2.1).~~	
				Ref 5.2.20)	DCO Schedule 2 Requirement 22 – Operational Water Quality	Monitoring Plan	
			Requirement 9 - CEMP to include detailed WQMP				

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~~by number~~	Phase	Reference document	~~location~~	Securing mechanism			
W-16	Chapter 20: Water Resources Table 5.2 - Securing Mitigation -	~~Table 5.2 - Securing~~ Impact of ~~the Waterbeach transfer pipeline river crossings to the River Cam water quality and flow~~	procedures in relation to inspections and repair, asset condition assessment (such as checking the integrity of tanks, bunds and hard standing), materials storage controls, spill control measures, and emergency responses. Operational procedures will be developed further during the life of the Proposed Development from detailed design to the proposed assets going into full operation, in compliance with the relevant Environmental Permit for the Proposed Development. Operational procedures will be developed further during the life of the Proposed Development from detailed design to the proposed assets going into full operation, in compliance with the relevant Environmental Permit for the Proposed Development.	Detailed drainage design will determine the area of permeable surfaces within the land required for the landscape masterplan, ~~post-construction in order to amend operational management activities in the event water quality decline is attributed to operational surface water drainage arrangements.~~ access road and proposed WWTP through which infiltration could occur.		D C O S c h e d u l e 2
		Water Resources ~~Table 5.2 - Securing Mitigation - river crossings to the River Cam water quality and flow~~ migrating in groundwater through the West Melbury Marly Chalk Formation to surface drains connected to the Black Ditch watercourse	**Surface Water Drainage Design** Measures to minimise contamination through detailed surface water drainage design complying with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This includes the requirement for drainage to accord with requirements set out within The Environment Agency's Approach to Groundwater Protection, Feb 2018 (Version 1.2 or whatever guidance is current at the time of design) as well as the specific requirements for the detailed drainage design to: ~~-~~ ~~•~~ provide a segregated drainage system for the proposed WWTP in areas of potential contamination within the proposed WWTP.	Operation Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). Detailed design	DCO Schedule 2 Requirement 7 - DCO Schedule 2 Requirement 7 -Detailed design	Requirement 15 - Drainage	
W-17	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of spills or leaks migrating in groundwater through the West Melbury Marly Chalk Formation to surface drains connected to the Black Ditch watercourse	**Environmental monitoring – water** Monitoring of water quality at Black Ditch, the northernmost land drain connecting to Black Ditch, the attenuate pond receiving discharge from the drainage network -and at available monitoring boreholes within the land required for the landscape masterplan post-construction in order to amend operational management activities in the event water quality decline is attributed to operational surface water drainage arrangements .	Operation	ES Chapter 20:Water Resources Section 4 (App Doc Ref 5.2.20) ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2)	DCO Schedule 2 Requirement 22 – Operational Water Quality Monitoring Plan	
W-18	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of the Waterbeach transfer pipeline river crossings to the River Cam water quality and flow	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B -(Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section -4.4 -which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement the following measures in relation to river crossings: • Management of river crossings through the siting of launch and recovery pits associated with trenchless construction methods are located a minimum of 8m from top of bank or existing defence whichever is applicable.	Construction Sections 4.4 (CEMP) Para 4.4.4, Section 5.14 (Watercourses and drainage), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 3.4, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP		• ~~the use of trenchless techniques to install structures below the river bed~~Requirement 9 - CEMP to include detailed WQMP and detailed PICP	

~~by number~~Phase Reference document ~~location~~Securing mechanism

~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact of wet testing of tanks and pipes within proposed WWTP on groundwater quality.~~	~~• the use of trenchless techniques to install structures below the river.~~ ~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to pollution prevention and the protection of groundwater including:~~ ~~• following industry standards in relation to testing activities /completion of visual inspections of equipment under test to check for signs of structural deficiency prior to commencement of testing activities~~ ~~• requirement for refuelling of machinery used in testing to be completed within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~ ~~• measures applied for the management of leaks and spillages such as use of drip trays under construction plant and equipment, provision of spill kits~~ ~~• requirement for emergency response measures to be in place including stopping works, training of staff, use of spill response equipment~~ ~~Flood Risk, (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors to prepare a Commissioning Plan (secured through~~	~~Construction~~	~~Sections 7.5, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.212) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Sections 3.3, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secured through~~	~~ured~~ ~~CO (App~~ ~~l) to 5.4.2.4).~~
W-19	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of wet testing of tanks and pipes within proposed WWTP on groundwater quality.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular Part A section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to pollution prevention and the protection of groundwater including: • following industry standards in relation to testing activities /completion of visual inspections of equipment under test to check for signs of structural deficiency prior to commencement of testing activities • requirement for refuelling of machinery used in testing to be completed within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained • measures applied for the management of leaks and spillages such as use of drip trays under construction plant and equipment, provision of spill kits • requirement for emergency response measures to be in place including stopping works, training of staff, use of spill response equipment	Construction	Sections 4.4 (CEMP) Para 4.4.4, and 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1). Sections 3.3, CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) ~~secured through~~	DCO Schedule ~~2~~ 2 ~~r~~ Requirement 8 CoCP Requirement 9 - CEMP to include detailed WQMP and detailed PICP
W-20	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact of wet testing of tanks and pipes within proposed WWTP on groundwater quality.	**Commissioning Management Plan** Management of commissioning activities through application of			

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism				
			groundwater quality.	the outline Commissioning Plan (Appendix 2.5, App Doc Ref 5.4.2.5) and the CoCP Part A, Section 4.4 (Construction Environment ~~Section 7.5 CoCP Part A~~Management Plan), and Section 7.5 (Water Resources and Flood Risk) (Appendix 2.1, App Doc Ref 5.4.2.1) which requires that the contractors to prepare a Commissioning Plan (secured through ~~a~~ requirement~~s of the draft DCO (App Doc Ref 2.1)~~ in the DCO), which will collectively secure deliver appropriate mitigation of the wet commissioning activities. ~~Approval and implementation of a CEMP secured through a requirement of the draft DCO (App Doc Ref 2.1).~~				
		Construction		Sections 4.4 (CEMP) Para 4.4.4, and 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1)				
				~~Sections 3.4, CoCP Part B~~Commissioning Plan (Appendix 2.~~24~~, App Doc Ref 5.4.2.~~24~~). ~~secured through~~ DCO Schedule ~~2~~2 ~~r~~				
W-21	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to fluvial flood risk due to construction of the outfall	**Code of Construction Practice** The management of water resources and flood risk as set out within Section 7.5 of the CoCP Part A, Water resources and flood risk, which sets out a framework for the control of flood risk during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an appended plan to/as part of the CEMP. This will include the following: • requirement to minimise construction period (for river works) requirement for the cofferdam to be designed to maintain the flood protection levels currently provided by the riverbank.	Construction	Sections 4.4 (CEMP) Para 4.4.4, Section 5.13 (River work), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2)	Environmental Permit (Flood Risk Activities &Water Discharge) or in case of dewatering working within a Regulatory Position Statement issued by the Environment Agency Requirement 9 - CEMP to include detailed WQMP and detailed PICP			
				Requirement ~~of the draft DCO (App Doc Ref 2.1).~~8 - CoCP				

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
Requirement 9 - CEMP to include detailed WQMP and detailed PICP				
			• the timing of river works in summer months • requirement for a flood management plan for construction works within areas at risk of flooding • requirement to secure or relocation loose items within compounds, laydown or storage areas within flood zone 2 and 3 to prevent them becoming a debris hazard in a flood event or where practical removed from the flood zone if high rainfall within the catchment is predicted • requirement for the Principal Contractor(s) to consult with the Environment Agency, IDB, Lead Local Flood Authority and any other relevant risk management authorities in respect of the flood risks in the preparation of the Emergency Preparedness Plan and Pollution Incident Control Plan. This will include use of the Environment Agency's Floodline flood warning service for works within areas at risk of flooding. Phasing of construction activities Section3.1 of the CoCP Part B in relation to completion of in river works in summer months when water levels are expected to be lower	Section 3 COCP Part B (Appendix 2.1, App Doc Ref 5.4.2.2)
W-22	Chapter 20: Water Resources Table 5.2 - Securing Mitigation		~~tion dewatering of open-cut trenches during Waterbeach pipeline installation~~	
Impact to groundwater abstractions due to ~~Water Resources~~		**Code of Construction Practice**	~~Mitiga~~	

~~by number~~Phase	Reference document	~~location~~Securing mechanism		
			~~requirements in the DCO), which will collectively secure deliver appropriate mitigation of the wet commissioning activities.~~	
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impact to fluvial flood risk due to construction of the outfall~~	~~The management of water resources and flood risk as set out within Section 7.5 of the CoCP Part A, Water resources and flood risk, which sets out a framework for the control of flood risk during construction, identifying a number of 'standard' mitigation measures which will be implemented whilst construction work takes place. These will be reflected in an appended plan to/as part of the CEMP. This will include the following:~~ ~~• requirement to minimise construction period (for river works) requirement for the cofferdam to be designed to maintain the flood protection levels currently provided by the riverbank.~~ ~~• the timing of river works in summer months~~ ~~• requirement for a flood management plan for construction works within areas at risk of flooding~~ ~~• requirement to secure or relocation loose items within compounds, laydown or storage areas within flood zone 2 and 3 to prevent them becoming a debris hazard in a flood event or where practical removed from the flood zone if high rainfall within the catchment is predicted~~ ~~• requirement for the Principal Contractor(s) to consult with the Environment Agency, IDB, Lead Local Flood Authority and any other relevant risk management authorities in respect of the flood risks in the preparation of the Emergency Preparedness Plan and Pollution Incident Control Plan. This will include use of the Environment Agency's Floodline flood warning service for works within areas at risk of flooding.~~	~~Sections 5.13 and 7.5, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Phasing of construction activities Section3.1 of the CoCP Part B in relation to completion of in-river works in summer months when water levels are expected to be lower secured through a requirement of the draft DCO (Appendix 2.2, App Doc Ref 5.4.2.2).~~ ~~Conditions set out within a Flood Risk activity permit required for construction activities carried out within 8m of a main river.~~
Management of construction activities as described within the CoCP Part dewatering of open-cut A and B -(Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular trenches during section 4.4 -which requires the Principal Contractor(s) to produce a Water	Waterbeach pipeline installation	Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • The application of measures to prevent run-off from construction on the landslide draining to the cofferdam such as the use of cut off drains, avoiding vegetation removal right up to the bank, minimising the areas at the bank that are disturbed/cleared, avoiding stockpiling of material close to the banks, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff • Management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour. • Measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • Requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the	Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • Requirement for refuelling of machinery to be undertaken within designated	areas (unless expressly

~~by number~~Phase Reference document ~~location~~Securing mechanism

tated within	the CEMPs) where spillage can be more easily contained Construction Sections 4.4 (CEMP) Para ~~Sections 5.14, 4~~.4.4, Section 5.14 (Watercourses and drainage), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~		Sections 3.4 CoCP Part B (Appendix 2.2App Doc Ref 5.4.2.2) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP	
	~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	• Management of excavation and backfill	ES Chapter 2 Project description para 2.12.9 (App Doc Ref 5.2.2) DCO Schedule 2	Requirement 9 - CEMP to include detailed WQMP and detailed PICP	

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hich will mitigate against pipeline leakage during ope

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					r a t i o n
W-23	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to groundwater abstractions due to dewatering of open-cut trenches during Waterbeach pipeline installation			**Code of Construction Practice** • ~~Robust design,~~A requirement within the CoCP Part B in relation to a borehole approximately 210 metres from the pipeline, to maintain regular contact -with the owner during construction and ~~pressure testing of the Waterbeach p~~ ~~which will mitigate against pipeline leakage during operation~~ a requirement to maintain supply to the property if required. These will be outlined in the CEMP. A non-derogation agreement will be entered into with the owners at their request
	Chapter 20: Water Resources ~~Table 5.2 - Securing Water Resources Mitigation~~	Impact to groundwater quality due to construction ~~of interception Shaft 1 and intermediate Shafts 2 and 3.~~			**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the

~~A requirement within the CoCP Part B in relation to a borehole approximately 210 metres from the pipeline, to maintain regular contact -with the owner during construction and a requirement to maintain supply to the property if required. These will be outlined in the CEMP. A non-derogation agreement will be entered into with the owners at their request~~

~~Sections 3.4 CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) secure through a requirement of the draft DCO (App Doc Ref 2.1).~~

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~~(England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~

- ~~Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~
- ~~N~~

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~~groundwater through:~~

P r i n c i p a l C on tra ct or(s) to pr od uc e a

~~by number~~	Phase	Reference document	~~location~~	Securing mechanism
		Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • manage ment of dewater ing activitie s associat ed with shaft construc tion in accorda nce with Environ ment Agency specifica tions includin g control of dewater ing rates. Best practice measure	s a p p l i e d f o r m a n a g e m e n t o f d e w a t e r i n g i n c l u d i n g c o n t r o l o	n r a t e s a g r e e d t h r o u g h r e g u l a t o r .
				Manage ment of constr uctio n activ ities as de

~~by number~~Phase	Reference document	~~location~~Securing mechanism
	scribed within the CoCP Part A and B -(Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 -which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters as -(as ~~Sections 7.5, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1). Approval and implementation of a Construction Environmental~~	~~M a n a g e m e n t P l a n s e c u r e d t h r o u g h a r e q u i r e m e n t o f t h e d r a f t D C O (A p p D o c R e f 2. 1).~~

~~Conditions set out within an Environmental Permit that may be required in relation to dewatering activities associated with the construction of intermediate shafts. Sections 7.5 CoCP Part A, Water Resources and Flood Risk, Dewatering (Appendix 2.1, App Doc Ref 5.4.2.1) secured through a requirement of the draft DCO (App Doc Ref 2.1).~~

~~Approval of the construction risk assessment and method statement associated with the detailed design and construction approach for the shafts as secured through applicable Environmental Permit (Abstraction).~~

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

defined within in Section 104(1) of the Water Resources Act

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

1991 and Section 30A(d) of the Control of Pollution Act 1974

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

, including measures applied for the management of leaks

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

and spillage such as use of drip trays and provision of spill

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

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n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

ntially contaminating material including fuels and oils

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

inaccordancewiththeControlofPollution(OilStorage)(

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
			Construction	Sections 4.4 (CEMP) Para 4.4.4, Section 5.14 (Watercourses and drainage), 7.5 (Water resources and flood risk) within Code of Construction Practice (CoCP) Part A (Appendix 2.1, App Doc Ref 5.4.2.1) Sections 3.4 CoCP Part B (Appendix 2.2App Doc Ref 5.4.2.2)	

- ~~requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~
- ~~emergency response measures including stopping works, training of staff, use of spill response equipment~~

positive Atmospheres Regulations 2002.

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
~~Chapter 20: Water Resources~~	~~Table 5.2 – Securing Mitigation~~	~~Impact to groundwater quality in the event of accidental wastewater spills during connection of the transfer tunnel to the existing Riverside tunnel.~~		~~Management of construction activities as described within the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters as (as defined within in Section 104 (1) of the Water Resources Act 1991 and Section 30A (d) of the Control of Pollution Act 1974') including:~~ • ~~emergency response measures including stopping works, training of staff, use of spill response equipment~~	~~Sectio 2.1, A (App D~~ ~~Appro Manag Doc Re~~
				DCO Schedule 2 Requirement 8 CoCP		
				DCO Schedule 2 ~~management of dewatering to meet requirements of the~~Requirement 9 CEMP		
				• Environmental Permit ~~required for dewatering including setting the rates and duration of dewatering activity to be informed by the detailed construction methods.~~ (Flood Risk Activities &Water Discharge) or in case of dewatering working within a Regulatory Position Statement issued by the Environment Agency		
				Environmental Permit (Abstraction)		
				Requirement 9 - CEMP to include detailed WQMP and detailed PICP		
				• requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained • emergency response measures including stopping works, training of staff, use of spill response equipment • management of dewatering to meet requirements of the Environmental Permit required for dewatering including setting the rates and duration of dewatering activity to be informed by the detailed construction methods.		

n of impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
				Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to groundwater quality in the event of accidental wastewater spills during connection of the transfer tunnel to the existing Riverside tunnel.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A –(Appendix 2.1, App Doc Ref 5.4.2.1) in particular section 4.4 -which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters as -(as defined within in Section 104 (1) of the Water Resources Act 1991 and Section 30A (d) of the Control of Pollution Act 1974'-) including: • ~~•~~ emergency response measures including stopping works, training of staff, use of spill response equipment
W-24	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to residential receptors and surface drains	**Environmental Management System** ~~Water Resources Mitigation~~	~~drains which discharge to Black Ditch, due to surface water runoff from hard surfaces within the proposed WWTP~~ Management of impacts from leaks and spills in operation through the the Proposed Development. Measures for continuous control of site activities during the -operation and maintenance of the proposed WWTP through operational procedures in relation to inspections and repair, asset condition assessment (such as checking the integrity of tanks, bunds and hard standing), materials storage controls, spill control measures, and emergency responses.	~~Operational limits and monitoring obligations secured through Environmental Permit~~ ~~The Environmental Permit will include conditions requiring management~~ ~~Management of impacts to surface water through application of design~~	which discharge to Black Ditch, due to surface water runoff from hard surfaces within the proposed WWTP operational procedures in relation to materials storage controls, spill control measures, and emergency response procedures. Operational procedures will be developed further during the life of the Proposed ~~systems to cover emergency responses and pollution prevention.~~ Development from detailed design to the proposed assets going into full operation, in compliance with the relevant Environmental Permit for ~~measures within the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12) (secured through requirements in the DCO), which sets out design requirements for surface water drainage including measures to Detailed surface water drainage design will comply with the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12). This~~
W-25	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to groundwater abstractions due to dewatering of open-cut trenches during Waterbeach pipeline installation	**Surface Water Drainage Design** Management of impacts to surface water through application of design measures within the Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12) (secured through requirements in the DCO), which sets out design requirements for surface water drainage including measures to avoid or minimise impacts to surface water run-off from the proposed WWTP: • Design of access road drainage to incorporates sustainable drainage features	Operation	Drainage Strategy (Appendix 20.12, App Doc Ref 5.4.20.12).	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 7 -Detailed design DCO Schedule 2 Requirement 15 - Drainage

~~number~~	Phase	Reference document	~~location~~	Securing mechanism				
				~~includes the requirement for drainage to accord with requirements set out within The~~				~~Environment Agency's Approach to Groundwater Protection, Feb 2018~~
Operation		ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref		Environmental Permit		5.2.2)		.
				• Inclusion of segregated drainage system in areas of potential contamination with the proposed WWTP required by the surface water drainage strategy				
W-26	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impact to superficial and bedrock groundwater ~~Water Resources Mitigation~~ flows and levels, due to dewatering of open-cut trenches during the FE and Storm Pipeline installation		**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, Application Document Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • Minimising run-off and the risk of runoff reaching ditches and watercourses such as through the siting of launch and recovery pits associated with trenchless construction methods to be located a minimum of 8m from top of bank • The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff. • Management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit, whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour • Measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • Requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained	Construction	Sections 4.4 Construction Environment Management Plan, Section 7.5 Water resources and flood risk (dewatering) and 5.7, Pollution Incident Control Plan, (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

~~number~~Phase	Reference document	~~location~~Securing mechanism				
W-27	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impacts of spillages of potentially contaminating materials used in construction, and the potential for constructionrelated turbidity, giving rise to contamination of groundwater.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters (as defined within in Section 104 (1) of the Water Resources Act 1991 and Section 30A (d) of the Control of Pollution Act 1974') including: • The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff. • Management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour. • Measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • Requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained	Construction	Sections 4.4 (CEMP) para 4.4.4, , 7.5 (Water resources and flood risk, dewatering, management of silt during construction), and 5.7 (Pollution Incident Control Plan) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1)	DCO Schedule 2 Requirement 8 CoCP Requirement 9 - CEMP to include detailed WQMP and detailed PICP
			~~avoid or minimise impacts to surface water run-off from the proposed WWTP:~~ ~~• Design of access road drainage to incorporates sustainable drainage features~~ ~~• Inclusion of segregated drainage system in areas of potential contamination with the proposed WWTP required by the surface water drainage strategy~~		~~(Version 1.2) secured through a requirement of the draft DCO (App Doc Ref 2.1)~~	
W-28	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	~~Impact to superficial and bedrock groundwater~~	~~Water Resources Mitigation flows and levels, due to dewatering of opencut trenches during the FE and Storm Pipeline installation~~		~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, Application Document Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works~~	

~~by number~~Phase Reference document ~~location~~Securing mechanism

~~commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including:~~

- ~~Minimising run-off and the risk of runoff reaching ditches and watercourses such as through the siting of launch and recovery pits associated with trenchless construction methods to be located a minimum of 8m from top of bank~~
- ~~The application of measures to prevent run-off from construction such as the use of cut-off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~
- ~~Management of dewatering to meet requirements of the Environment Agency regulatory position statement (RPS) 'Temporary dewatering from excavations to surface water' or Environmental Permit, whichever applies to the activity. Including treating dewatering effluent prior to discharge and control of dewatering discharges to prevent scour~~
- ~~Measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits~~

Pre Construction Project Description

ES Chapter 2 Section 5.1 Construction Operation, Operational Operation environmental management (App Doc Ref 5.2.2)

Mitigation

- ~~Requirement for the safe storage and handling~~Impacts of spillages of potentially contaminating materials ~~including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~used in construction, and the potential for constructionrelated turbidity, giving rise to contamination of groundwater.

Groundwater monitoring

~~Sections 4.4~~Monitoring of water quality at available monitoring boreholes within the land required for the landscape masterplan ~~C~~post-construction ~~Environment~~in order to amend operational ~~M~~management ~~Plan, Section 7.5~~ activities in the event water quality decline is attributed to operational surface water drainage arrangements

~~Water resources and flood risk (dewatering) and 5.7, Pollution Incident Control Plan, (Appendix 2.1, App Doc Ref 5.4.2.1) secured~~Requirement for operational management and monitoring plans to include specific provision for water quality monitoring at the specified locations through a requirement of the draft DCO (App Doc Ref 2.1). .

DCO Schedule 2 Requirement 8 CoCP

Requirement 9 - CEMP to include detailed WQMP and detailed PICP

DCO Schedule 2 ~~Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~Requirement 22 – Operational Water Quality

~~number~~Phase Reference document ~~location~~Securing mechanism						
~~Chapter 20: Water Resources~~W-29	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Impacts ~~of~~to surface water quality from spillages of ~~potentially contaminating materials used in construction, and the potential for construction-related turbidity, giving rise to contamination of groundwater~~contaminants and from discharges of silt-laden water from dewatering activities.	**Code of Construction Practice** Management of construction activities as described within the CoCP Part A and B -(Appendix 2.1 & 2.2~~,~~ App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 ~~-~~which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures in relation to the prevention of impacts to controlled waters (as defined within in Section 104 (1) of the Water Resources Act 1991 and Section 30A (d) of the Control of Pollution Act 1974'~~-~~) including: • ~~The application of measures to prevent run-off from construction such as the use of cut-off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~ • ~~Management of dewatering activities in accordance with Environment Agency specifications including treating dewatering effluent prior to discharge and control of dewatering discharge rates to prevent scour.~~ • Measures applied for the management of leaks and spillages such as use of drip trays and provision of spill kits • ~~Requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002.~~ • ~~Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained~~	Construction	Sections 4.4 ~~Construction Environment Management Plan, Section~~(CEMP) para 4.4.4, , 7.5 (Water resources and flood risk, ~~(~~dewatering, management of silt during construction), and 5.7~~,~~ (Pollution Incident Control Plan~~,~~) CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental~~ ~~Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP and detailed PICP
			~~Monitoring of water quality at available monitoring boreholes within the land required for the landscape masterplan post-construction in order to amend operational management activities in the event water quality decline is attributed to operational surface water drainage arrangements .~~		~~Requirement for operational management and monitoring plans to include specific provision for water quality monitoring at the specified locations through a requirement of the draft DCO (App Doc Ref 2.1).~~	
~~Chapter 20: Water Resources~~	~~Table 5.2 - Securing Mitigation~~	~~Impacts to surface water quality from spillages of contaminants and from discharges of siltladen water from dewatering activities.~~	~~Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2App Doc Ref 5.4.2.1, 5.4.2.2) in particular section 4.4 which requires the Principal Contractor(s) to produce a Water Quality Management Plan(s), Pollution Incident~~		~~Sections 4.4 Construction Environment Management Plan, Section 7.5 Water resources and flood risk (dewatering, management of silt during construction) and 5.7, Pollution Incident Control Plan, CoCP Part A (Appendix 2.1App Doc Ref 5.4.2.1) secured through a requirement of the~~	

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~~number~~Phase	Reference document	~~location~~Securing mechanism			
Monitoring Plan					
			• The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff. • Requirement for the safe storage and handling of potentially contaminating materials including fuels and oils in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001 and Dangerous Substances and Explosive Atmospheres Regulations 2002. • Requirement for refuelling of machinery to be undertaken within designated areas (unless expressly stated within the CEMPs) where spillage can be more easily contained • Requirement to have in place emergency response measures including stopping works, training of staff, use of spill response equipment The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.		
			~~measures including stopping works, training of staff, use of spill response equipment~~ • ~~The application of measures to prevent run-off from construction such as the use of cut off drains, avoiding vegetation removal right up to the banks of watercourses, minimising the areas of land that are disturbed/cleared, avoiding stockpiling of material close to the banks of watercourses, use of silt fencing or coir rolls on gentle slops installed at levelled contours to control runoff.~~		
W-30	Chapter 20: Water Resources Mitigation	Table 5.2 - Securing	Impacts to water quality in watercourses close to the ~~Water Resources Mitigation~~	**Code of Construction Practice** Construction Sections 4.4 (CEMP) para 4.4.4, 7.4 (Land Quality to the ~~Waterbeach pipelines due to discharge of fluids used for pipeline testing~~ Management of construction activities as described within the CoCP Part A and B (Appendix 2.1 & 2.2, Application Document Ref 5.4.2.1, 5.4.2.2)	Waterbeach pipelines due to discharge of fluids used for pipeline testing (Drilling Fluid Breakout)),7.5 (Water resources and flood in particular section 4.4 which requires the Principal Contractor(s) to risk, dewatering,

~~ental~~
~~Draft DCO (App~~

~~number~~	Phase	Reference document	~~location~~	Securing mechanism
e				produce a Water Quality Management Plan(s), Pollution Incident Control Plan, and risk assessments before works commence on site. The plans will be appended to or incorporated into the CEMP(s). These plans will include the requirement to implement best practice measures including: • Management of dewatering activities in accordance with the CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and Environment Agency specifications including ~~Sections 4.4 Construction Environment Management Plan, Sections 7.4, Land Quality (Drilling Fluid Breakout),Section 7.5 Water resources and flood risk (dewatering, management of silt during construction) and 5.7, Pollution Incident Control Plan CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~The Environmental Permit will include conditions requiring management systems to cover emergency responses and pollution prevention.~~ ~~Approval of the construction risk assessment and method statement associated with the detailed design and construction approach for the~~ dewatering discharge
				• The management of potential impacts associated with the disposal of pipeline testing fluids will be through: • A requirement within the CoCP Part B for the use of clean water will be used for pressure testing. Chlorine will be removed prior to discharge according to associated Environmental Permit conditions • Disposal to watercourse at controlled rates and locations as agreed with the Environment Agency and set out within conditions of the required Environmental Permit
		DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP Requirement 9 - CEMP to include detailed WQMP and detailed PICP		

~~Chapter~~Ref	~~Mitigation~~Source mechanism	Description of impact	Mitigation measure	~~Secured by number~~Phase	Reference document	location
			Clean water will be used for pressure testing. Chlorine will be removed prior to discharge according to Environment Agency permit conditions.			
~~Chapter 20: Water Resources~~W-31	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	Reduction in groundwater and surface water flows and levels due to dewatering in the West Melbury Marly Chalk Formation during dewatering associated with the construction of below-ground structures and foundations, plus associated groundwater impact on nature conservation sites.	**Provision of Water Supply** Impacts to groundwater levels and surface water flows will be managed through the implementation of measures to maintain supply as required by agreement to be made with the owner of the private groundwater source. **Construction Code of Practice - Environmental monitoring** Monitoring of water levels in available monitoring boreholes within the land required for the landscape masterplan and at Black Ditch, Allicky Farm Pond CSW, and The Cut water body within Quy Fen SSSI pre, during and post-construction in order to inform management response should monitoring indicate a reduction in water levels as a result of dewatering. Management responses may include but not be limited to reducing or ceasing dewatering or amending dewatering points and would be agreed through consultation with the Environment Agency.~~..~~	P C	Inserted Cells Inserted Cells ~~Environment Management Plan, Section~~(CEMP) para 4.4.4, 7.5 (Water resources and flood risk (dewatering, management of silt during construction)), and 5.7, Pollution Incident Control Plan, CoCP Part A (Appendix 2.1, App Doc Ref 5.4.2.1) and Section 3 of CoCP Part B (Appendix 2.2, App Doc Ref 5.4.2.2) ~~secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Approval and implementation of a Construction Environmental Management Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ ~~Requirement water level management and monitoring plans to include specific provision for the specified locations through a requirement of the draf DCO (App Doc Ref 2.1)~~	Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP including measures to safeguard private water supply Requirement 9 - CEMP to include detailed WQMP
W-32	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	flows) from the proposed outfall on River Cam hydromorphology **Outfall Design** Design measures to prevent or minimise scour and impacts from ~~Preparation of accepted Outfall design and construction method~~	~~testing activities and water disposal as secured through applicable Environmental Permit.~~ ~~statement~~ operation of the outfall are: ~~secured through the Environmental Permit (flood risk activities)~~ • design of the outfall to operating within the maximum volume ~~Preparation of a method statement to cover periodic monitoring activities~~ • limits which are to be similar to those from the existing outfall; ~~to accord with the requirements of the Environmental Permit (Flood Risk~~ • flow rates controlled to be similar to existing outfall;			• ~~Activities).~~ • design of storm storage volumes and flow rates to meet regulatory requirements; • inclusion of capacity within the proposed development to adapt to future changes in relation to storm storage provision
The impact of treated effluent discharge ~~Water Resources Mitigation~~ (comprising final effluent and stormwater				Operation	ES Chapter 2 Project Description Section 2.12 The Outfall 2 (App Doc Ref	Environmental Permit (flood risk activities) DCO Schedule 2

impact Mitigation measure Secured by numberPhase Reference document locationSecuring mechanism

Requireme nt 7 - Detailed

5.2.2)

Plans – Outfall (App Design design Doc Ref 4.13)

W-33	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	The impact of treated effluent discharge (comprising final effluent and stormwater flows) from the proposed outfall on River Cam hydromorphology	**Outfall Design** Design measures to prevent or minimise scour and impacts from operation of the outfall are: • design of the outfall to operating within the maximum volume limits which are to be similar to those from the existing outfall; • flow rates controlled to be similar to existing outfall; • design of storm storage volumes and flow rates to meet regulatory requirements; • inclusion of capacity within the proposed development to adapt to future changes in relation to storm storage provision	Operation	ES Chapter 2 Project Description Section 2.12 The Outfall 2 (App Doc Ref 5.2.2) Design Plans – Outfall (App Doc Ref 4.13) Outline Outfall Management and Monitoring Plan (App Doc Ref 5.4.8.24)	DCO Schedule 2 Requirement 7 Detailed Design DCO Schedule 2 Requirement 10 Outfall Management and Monitoring Plan
W-34	Chapter 20: Water Resources Table 5.2 - Securing Mitigation	The impact of treated effluent discharge (comprising final effluent	**Outfall Management and Monitoring Plan** A requirement to prepare and implement and outfall management and monitoring plan covering the operation of the outfall to include a	Operation	ES Chapter 2 Project Description Section 2.12	DCO Schedule 2 Requirement 10 - Outfall
Chapter 20: Water Resources	Table 5.2 - Securing Mitigation	The impact of treated effluent discharge (comprising final effluent and stormwater flows) from the proposed outfall on River Cam hydromorphology	Design measures to prevent or minimise scour and impacts from operation of the outfall are: • design of the outfall to operating within the maximum volume limits which are to be similar to those from the existing outfall; • flow rates controlled to be similar to existing outfall; • design of storm storage volumes and flow rates to meet regulatory requirements;		Preparation of accepted Outfall design and construction method statement secured through the Environmental Permit (flood risk activities) Preparation of a method statement to cover periodic monitoring activities to accord with the requirements of the Environmental Permit (Flood Risk Activities).	
CE-1	Chapter 21: Cumulative Effects Assessment -Table 4 3: Potential cumulative effects during construction	Cumulative effect to habitats and protected species as a result of construction of the Proposed Development and relocation of the Waterbeach station	**Code of Construction Practice** Interface plan between the Proposed Development and the Waterbeach Station relocation project to ensure each project is managed so that neither project results in new or exacerbated impacts to habitats and that mitigation measures (habitat creation) remain effective	Construction	ES Chapter 21 Table 4-2 and Table 4-3 (App Doc Ref 5.2.21)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP

and stormwater flows) from programme of routine visual inspection of both riverbanks downstream Management and

the proposed outfall on of the proposed outfall following a stormwater discharge event to inform River

Cam the need for maintenance or repair measures as agreed with the hydromorphology Monitoring Plan

Environment Agency. (App Doc Ref 5.4.8.24)

The Outfall 2 (App Doc Ref 5.2.2) Management and Monitoring Plan

Outline Outfall

Chapter

Impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
			~~inclusion of capacity within the proposed development to adapt to future changes in relation to storm storage provision~~			
			~~A requirement to prepare and implement and outfall management and monitoring plan covering the operation of the outfall to include a programme of routine visual inspection of both riverbanks downstream of the proposed outfall following a stormwater discharge event to inform the need for maintenance or repair measures as agreed with the Environment Agency.~~			~~Approval and implementation of an Outfall Management and Monitoring Plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
~~Chapter 21:Cumulative Effects Assessment~~	~~Table 4-3: Potential cumulative effects during construction~~	~~Cumulative effect to habitats and protected species as a result of construction of the Proposed Development and relocation of the Waterbeach station~~	~~Interface plan between the Proposed Development and the Waterbeach Station relocation project to ensure each project is managed so that neither project results in new or exacerbated impacts to habitats and that mitigation measures (habitat creation) remain effective~~			~~Approval of an interface plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~
CE-2	Chapter 21:Cumulative Effects Assessment Table 4 3: Potential ~~Cumulative effect on landscape and visual 21:Cumulative~~ cumulative effects ~~amenity, including lighting, as a result of Effects~~ during construction Cumulative effect on ~~c~~**Code of Construction ~~of the Proposed Development and relocation of the Waterbeach station~~ Practice** ~~Assessment~~ Construction ES Chapter 21 Table 4-2 and ~~occurring concurrently~~ landscape and visual Table 4-3 (App Doc Ref and relocation of the		Interface plan to ensure that temporary construction works activities amenity, including lighting, ~~Approval of an interface plan secured through a requirement of the draft~~ including compounds in close proximity do not result in new or worse DCO ~~(App Doc Ref 2.1).~~Schedule 2 as a result of construction of temporary impacts to visual amenity including controls on lighting and the Proposed Development the positioning / heights of temporary structures.	5.2.21) Requirement 9 CEMP Requirement 8 CoCP		

on Project

impact | Mitigation measure | ~~Secured by number~~Phase | Reference document | ~~location~~Securing mechanism

W a t e r b e a c h station occurring concurrently

CE-3	Chapter 21:Cumulative Effects Assessment Table 4 3: Potential cumulative effects during construction	Cumulative traffic effects as a result of construction of the Proposed Development and relocation of the Waterbeach station occurring either concurrently or sequentially	**Code of Construction Practice** Interface plan between the Proposed Development and the Waterbeach Station relocation project to ensure each project is managed so that neither project results in new or exacerbated traffic and transport impacts and that mitigation measures remain effective and to align traffic control measures	Construction	ES Chapter 21 Table 4-2 and Table 4-3 (App Doc Ref 5.2.21)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2 Requirement 9 CEMP
CE-4	Chapter 21:Cumulative Effects Assessment Table 4 3: Potential cumulative effects	Flood risk	**Code of Construction Practice** Requirement for interface plan between the Proposed Development and the Station relocation project to ensure temporary works areas, including compounds, do not result in an overall increase in flood risk	Construction Requirement 9 CEMP during construction	ES Chapter 21 Table 4-2 and Table 4-3 (App Doc Ref 5.2.21)	DCO Schedule 2 Requirement 8 CoCP DCO Schedule 2
CE-5	Chapter 22 Major accidents	Event risk of land slip or earth bank failure	**Design** The earth bank will be designed and constructed according to industry best practice earthworks standards. **Drainage Strategy** The earth bank would be designed to have effective drainage. **Landscape Masterplan** Earth bank is subject to ongoing monitoring as part of the Landscape Ecology and Recreation Management Plan (LERMP) which would be applied for 30 years as a minimum as part of the biodiversity net gain (BNG) obligation (Application Doc Ref 5.4.8.14).	Operation	Design Parameters of the draft DCO (App Doc Ref 2.1) LERMP (App Doc Ref 5.4.8.14) Drainage Strategy (App Doc Ref 5.4.20.12)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 7 Detailed design

h s t a t i o n o c c

impact	Mitigation measure	~~Secured by number~~	Phase	Reference document	~~location~~	Securing mechanism
MA-1	Chapter 22 Major Event risk of land slip or accidents earth bank failure **Operational Management** Operation	ES Chapter 2 Project In the event that structural failure of the earth bank occurred the Applicant would implement operational management plans and environmental procedures. The management plans and procedures will sit within the management (App Doc Ref EMS required under the environmental permitting regime. Including	Environmental permit	Description Section 5.1 Operation, Operational		
MA-2	Chapter 22 Major accidents	Event risk – aviation hazards	**Operational Management** Operation and maintenance activities required for the proposed WWTP would be subject to operational management plans and procedures. The management plans and procedures will sit within the EMS required under the environmental permitting regime. The Applicant will implement the EMS that will set out the responsibilities of the site management to control risks arising from the proposed WWTP during operations The EMS will also include appropriate definitions of roles and responsibilities to ensure compliance with any conditions related to the requirement to manage risk from the Proposed Development including wildlife hazards (birdstrike) that may be associated with the proposed WWTP including landscaping.	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) Wildlife Hazard Management Plan (Application Doc ref 5.4.18)	Environmental permit
MA-3	Chapter 22 Major (buildings, solar and lighting installations)	Event risk – aviation hazards	**Design** accidents Structures have been minimised to avoid the 55.82m Above Ordnance Datum (AOD) threshold indicated by the operators of Cambridge Airport.		5.2.2) enacting emergency response plans	

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impact | Mitigation measure | ~~Secured by number~~Phase | Reference document | ~~location~~Securing mechanism

			Lighting Strategy ~~Chapter~~The Lighting Design Strategy (Application Document Refence 5.4.2.5) sets out the approach to lighting within the Proposed Development and seeks to minimise the introduction of new lighting features in operation. Measures include avoiding lighting along the access road, the use of timed downward pointing lighting in external carpark areas, the use of structures to reduce light spill. ~~Table 4-3: Potential Flood risk~~		Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development (App Doc Ref ~~Approval of an interface plan secured through a requirement of the draft 21:Cumulative cumulative effects and the Station relocation project to ensure temporary works areas, 5.2.22)~~		
MA-4	Chapter 22 Major accidents~~21:Cumulative Effects Assessment~~	Event risk- fire or explosion: storage of Liquified Natural ~~Table 4-3: Potential cumulative effects during construction~~Gas(LNG)	**Design** The design and installation of the storage facility would be in line with industry standards. Design features reducing the risk of damage to the LNG storage facility include: ● Siting controls and provision of adequate buffers to other infrastructure ● The inclusion of lightning protection in accordance with industry standards ● The inclusion of impact protection barriers around the storage facility ● ~~Cumulative traffic effects as a result of construction of the~~The inclusion and use of the correct level of intrinsically safe equipment and protective systems would minimise the available ignition sources in a flammable atmosphere if there were to be a loss of LNG in the Proposed Development and ~~relocation of the Waterbeach station occurring either concurrently or sequentially~~ reduce the risk of a major accident	Operation	ES Chapter 22 Major ~~Interface plan between~~Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development ~~and the Waterbeach Station relocation project to ensure each project is managed so that neither project results in new or exacerbated traffic and transport impacts and that mitigation measures remain effective and to align traffic control measures~~(App Doc Ref 5.2.22) Design Parameters of the draft DCO (App Doc Ref 2.1)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 ~~Approval of an interface plan secured through a requirement of the draft DCO (App Doc Ref 2.1).~~ Requirement 7 – Detailed design	**Inserted Cells** **Inserted Cells**
Construction	Design Parameters of the draft DCO (App Doc Ref 2.1) ~~Requirement for interface plan between~~ DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 Requirement 7 – Detailed design						
MA-5	Chapter 22 Major accidents	Event risk- fire or explosion: anaerobic digestor	**Design** The design of the anaerobic digestors includes measures to manage the risk of a major accident and will be compliant with DSEAR. Specific design measures in relation to fire safety include: ● Gas and fire and leak detection systems to be installed into boiler house. ● Inclusion of valves to allow controlled emergency release of gas. ● Inclusion of emergency flare in design	Operation	ES Chapter 22 Major		

impact	Mitigation measure	~~Secured by number~~Phase	Reference document	~~location~~Securing mechanism
			Design Parameters of the draft DCO (App Doc Ref 2.1) DCO Schedule 2 Requirement 7 - Detailed design	Requirement 4 – Parameters
MA-6	Chapter 22 Major accidents	Event risk- fire or explosion: anaerobic digestor	**Design** Area Classification will be completed for Hazardous Area Classification for Flammable Gases and Vapours in accordance with industry standards to comply DSEAR. Area classification is a method of analysing and classifying the environment where explosive gas atmospheres may occur. The main purpose is to facilitate the proper selection and installation of apparatus to be used safely in that environment, taking into account the properties of the flammable materials that will be present. Outputs will be used to define hazard zones within the facility and subsequently define the types of equipment permitted in specific zones as well as informing the development of operational control plans.	Operation	ES Chapter 22 Major Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development (App Doc Ref 5.2.22) Design Parameters of the draft DCO (App Doc Ref 2.1)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 Requirement 7 – Detailed design
MA-7	Chapter 22 Major accidents	Event risk- fire or explosion: anaerobic digestor	**Biogas Holder Design** The biogas holder is to be shielded from areas of frequent access of the general public by the earth bank. The gas holder is located over 300m from the nearest public dwelling.	Operation	ES Chapter 22 Major Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development (App Doc Ref 5.2.22) Design Parameters of the draft DCO (App Doc Ref 2.1)	DCO Schedule 2 Requirement 7 – Detailed design
MA-8	Chapter 22 Major accidents	Event risk- fire or explosion: anaerobic digestor	**Operational Management Systems** To mitigation against an on-site incident, under the EMS and operation procedures development for the proposed WWTP, the operator will prepare and test emergency procedures for dealing with the consequences of a major accident. The management system is required to include the risk management measures specified in the HAZOP and DSEAR plans and cover planned maintenance (Environment Agency, 2022)	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2) Design Parameters of the draft DCO (App Doc Ref 2.1)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 Requirement 7 – Detailed design
~~Effects Assessment~~			~~during construction~~			Requirement 7 - Detailed design

~~including compounds, do not result in an overall increase in flood risk~~

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~~https://infrastructure.planninginspectorate.gov.uk/projects/eastern/cambridge-waste-water-treatment-plant-relocation/~~

impact	Mitigation measure		Phase	Reference document	Securing mechanism
MA-9	Chapter 22 Major accidents	Event risk- fire or explosion: battery storage	**Design** A cooling system which is designed to regulate temperatures within safe minimize risk of fire. The Proposed Development will have a monitoring system, fire and smoke detection. These will be linked to and adopted as the site wide control system, which will be locally and remotely monitored.	Operation	ES Chapter 22 Major Accidents and Disasters Table 2-1 Design measures conditions to relating to major accidents part of the Proposed and disasters Development (App Doc Ref 5.2.22) Design Parameters of the draft DCO (App Doc Ref 2.1)	DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 Requirement 7 – Detailed design DCO Schedule 2 Requirement 7 - Detailed design
MA-10	Chapter 22 Major accidents	Event risk- fire or explosion: battery storage	**Operational Management Systems** The EMS and operation procedures development for the proposed WWTP, the operator will prepare and test emergency procedures for dealing with the consequences of a major accident.	Operation	ES Chapter 2 Project Description Section 5.1 Operation, Operational environmental management (App Doc Ref 5.2.2)	Environmental permit
MA-11	Chapter 22 Major accidents	Event risk- fire or explosion: battery storage	**Drainage Design** The drainage system includes a segregated system which would capture design run-off from firefighting activities for treatment within the proposed WWTP. The Drainage Strategy (App Doc Ref 5.4.20.12) requires that the Groundwater Protection (Environment Agency, 2018) are to be followed in relation to Drainage Strategy (App Doc Ref 5.4.20.12) sets out how the drainage design will align with the	Operation	Drainage Strategy (App Doc Ref 5.4.20.12) DCO Schedule 2 requirements of the Environment Agency Approach to design the detailed drainage design. Section 4.8 of the	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 14 – Drainage Approach to Groundwater Protection. design

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impact	Mitigation measure		Phase	Reference document	Securing mechanism
MA-12	Chapter 22 Major accidents	Event risk – Compromised site security	**Design** Design measures include the earth bank as well as perimeter fencing, the use of surveillance equipment to monitor the facility, security-controlled access, and egress points. Physical security design measures following NSPA guidance (NSPA, 2023) will be incorporated to ensuring the site is secure from unauthorized personnel.	Operation	ES Chapter 2 Project Description section 2.13 Further associated development and site-wide provisions, Fencing and security (App Doc Ref 5.2.2) ES Chapter 22 Major Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development (App Doc Ref 5.2.22)	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 4 – Parameters DCO Schedule 2 Requirement 7 – Detailed design
MA-13	Chapter 22 Major accidents 5.1	Event risk – Compromised site security	**Operational Management Systems** To mitigation against an on-site incident, under the EMS and operation procedures development for the proposed WWTP, the operator will environmental prepare and test emergency procedures for dealing with the management (App Doc Ref consequences of a major accident including those resulting from malicious attacks. Visitors to the Discovery Centre will be by appointment only.	Operation	ES Chapter 2 Project Description Section Operation, Operational Environmental permit 5.2.2)	Environmental permit
MA-14	Chapter 22 Major accidents	Event risk – Compromised cyber security	**Software Design**	Operation	ES Chapter 2 Project Description section 2.13 Further associated development and site-wide	Environmental permit

Ref	Source	Description of impact	Mitigation measure	Phase	Reference document	Securing mechanism
			Prevention of unauthorized users and devices from accessing the network will be through the use software security design measures as stated in the NCSC guidance (NCSC, 2023).		provisions, Fencing and security (App Doc Ref 5.2.2)	
MA-15	Chapter 22 Major accidents	Event risk – Compromised management plans and procedures. The and procedures will sit within the EMS required under the environmental permitting regime. Including enacting pollution incident response plans.	**Operational Management Systems** In the event that a cyber attack was successful the operator would Requirement 7 – Detailed design	Operation	ES Chapter 2 Project Operation, Operational environmental management plans (App Doc Ref 5.2.2) emergency response and	Environmental permit accidents cyber security DCO Schedule 2 implement operational	Description Section 5.1
MA-16	Chapter 22 Major accidents	Event risk – extreme events (storms and heat events)	**Design** To manage higher storm flows in the future and to continuously meet evolving permitting requirements, even in the case of low flow and future drought conditions, the Proposed Development will have capacity to add additional infrastructure including more storm storage, heat recovery, cooling system treatment infrastructure. The Drainage Strategy (App Doc Ref 5.4.20.12) sets out how future climate predictions will be accounted for within the final drainage design to minimise the risk of flooding to the proposed WWTP.	Operation	ES Chapter 22 Major Accidents and Disasters Table 2-1 Design measures relating to major accidents and disasters adopted as part of the Proposed Development (App Doc Ref 5.2.22) Drainage Strategy (App Doc Ref 5.4.20.12	DCO Schedule 2 Requirement 7 - Detailed design DCO Schedule 2 Requirement 7 – Detailed design DCO Schedule 2 Requirement 14 – Drainage	

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