

**Cambridge Waste Water Treatment Plant Relocation Project** 

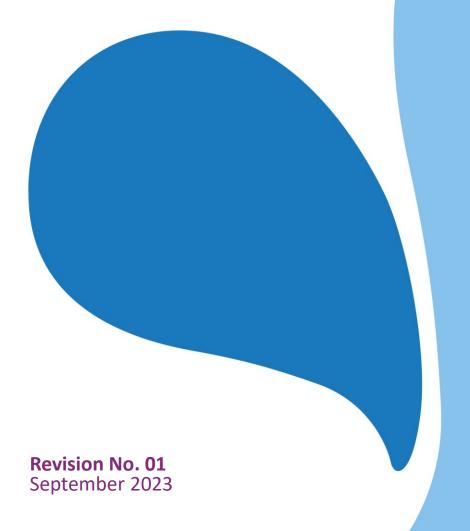
**Anglian Water Services Limited** 

# Appendix 19.11: Road Safety Audit

Application Document Reference: 5.4.19.11

PINS Project Reference: WW010003

APFP Regulation No. 5(2)a



#### ROAD SAFETY ENGINEERING

### **AUDIT REPORT COVER SHEET**

To: Jon Finney

Position: Principal Development Management Engineer

Organisation: Cambridgeshire County Council

Scheme: Cambridge Waste Water Plant

Date 25<sup>th</sup> November 2022

File Ref: SA2276

The following comments should be read in conjunction with the associated safety audit:

- Existing signs are proposed to be relocated as part of the design whereby their exact proposed location is unclear. All signs should be positioned a minimum of 450mm away from the edge of carriageway to prevent being struck by passing vehicles.
- 2. It was observed during the site visit that there are existing studs within the footway provision along the footway to the western side of B1047 Horningsea Road. It is unclear from the information provided whether these existing studs will be retained as part of the proposed scheme.
- 3. During the site visit a utility stats cover was observed to have dropped within the existing footway along the western side of B1047 Horningsea Road and is posing as a trip hazard to pedestrians.
- 4. It is proposed to provide a footway link along the eastern side of B1047 Horningsea Road from the proposed uncontrolled crossing point to Low Fen Drove Way. It is unclear from the information provided where it is intended for pedestrians to continue at this point where the footway terminates.
- Details in Notes on drawing 102375-MMD-01-XX-DR-C-1001-P1 refer to new embankment construction to be undertaken to a 1 in 2 gradient. It is understood CCC will not, under normal circumstances accept such a steep gradient.



# Cambridgeshire County Council Road Safety Engineering Team

#### SAFETY AUDIT REPORT

Project Name:		Cambridge Waste Water Plant	
Audit Stage:			
Date of Report:		25 <sup>th</sup> November 2022	
Auditors:		Peter Taylor Gill Wharton	
		equest & brief each dated 29 <sup>th</sup> September 2022	
Supplied: _		rawings - 75 – MMD-01-XX-DR-C-1001 Location Plan    1:50	
_			
		75 – MMD-01-XX-DR-C-1011 General Arrangement 1:12	
-		75 – MMD-01-XX-DR-C-1021 Typical Cross sections 1:1	
		75 – MMD-01-XX-DR-C-1121 Vehicle Tracking 1:12	
		75 – MMD-01-XX-DR-C-1151 Prelim Signals Layout1:12	
_	10237	75 – MMD-01-XX-DR-C-1181 Prelim Road Marking & Sig	ns 1:500
_	10237	75 – MMD-01-XX-DR-C-1261 Prelim Drainage Layout 1:	1250
_	ID061	180 Fen Ditton – MCC Site 16 07.12.2021	
_	ID061	80 Fen Ditton – MCC Site 17 07.12.2021	
_	ID062	251 Waterbeach ATC Site 1	
_	ID062	251 Waterbeach ATC Site 2	

#### Introduction

The Audit was carried out at the request of:

Name Dr Jon Finney

Job Title Principal Development Management Engineer

Organisation Cambridgeshire County Council

The terms of reference of the audit are as described in GG119. The audit has examined and reported only on the road safety implications of the scheme as presented and has not examined or verified the compliance of the designs to any other criteria or design standards. Design standards are quoted only where those standards have road safety implications.

#### **Notified Departures and/or Relaxations from Standard:**

None notified at this stage.

#### **Scheme Description:**

New signalised arm to existing entry lane off the B1047 at the A14 junction, to provide access to the new Cambridge Waste Water Treatment Plant.

Date/Time of site visit:	Wednesday 2 <sup>nd</sup> November at 11:15.
Attending:	Peter Taylor Gill Wharton
Conditions at Visit:	
Weather:	Dry and bright
Traffic:	Low but constant flow with moderate speeds
Other	<del>-</del>

#### **Collision record:**

There is no current record of PIA collisions on the identified length of the B1047 Horningsea Road between January 2017 between Musgrave Way and Biggin Lane.

#### 1 Items raised at previous road safety audits and still outstanding

#### A. Stage 1 Safety Audit

The audit team is unaware of any previous Stage 1 safety audit for this project.

#### 2 Items raised at this road safety audit

#### 2.1 Problem:

Location: Proposed Access Road to the Waste Water Treatment Plant

Summary: Risk of vehicles and their occupants falling down the steep embankment

The drawings provided do not detail the provision of any Vehicle Restraint System (VRS) on either side of the proposed access road to the waste water treatment plant. The carriageway from the traffic signal junction with the B1047 Horningsea Road to part way along the access road has a steep embankment to both sides of it that presents a risk to errant vehicles of serious or fatal collisions if they lose control and leave the carriageway at this location.

#### Recommendation

It is recommended that the proposed access road is assessed for introducing an appropriate system of VRS to prevent errant drivers passing down the steep embankment.

#### 2.2 Problem:

Location: B1047 Horningsea Road

Summary: Risk of vehicles and their occupants falling down the steep embankment

During the site visit there was observed to be a ramped Vehicle Restraint System (VRS) terminal on the eastern side of B1047 Horningsea Road. This could cause an errant southbound vehicle who leaves the carriageway being ramped up into the air resulting in a serious or fatal collision.

In addition to this, there was an absence of VRS on the eastern side of B1047 Horningsea Road between this ramped terminal and the next section of VRS to the north which is located to the south of the junction with the A14 slip road and the proposed new access road. There is still a steep embankment at this location not protected by VRS that presents a risk to an errant vehicle of serious or fatal collisions if they lose control and leave the carriageway at this location.

#### Recommendation

It is recommended that an appropriate system of VRS to prevent errant drivers passing down a steep or high embankment should be provided at this location and the existing ramped terminal removed. If the gap in the existing VRS is not to be filled, the existing ramped terminal should be replaced with a black and yellow flat ended terminal.

#### **Audit Team Statement**

We certify that this road safety audit has been carried out in accordance with GG119.

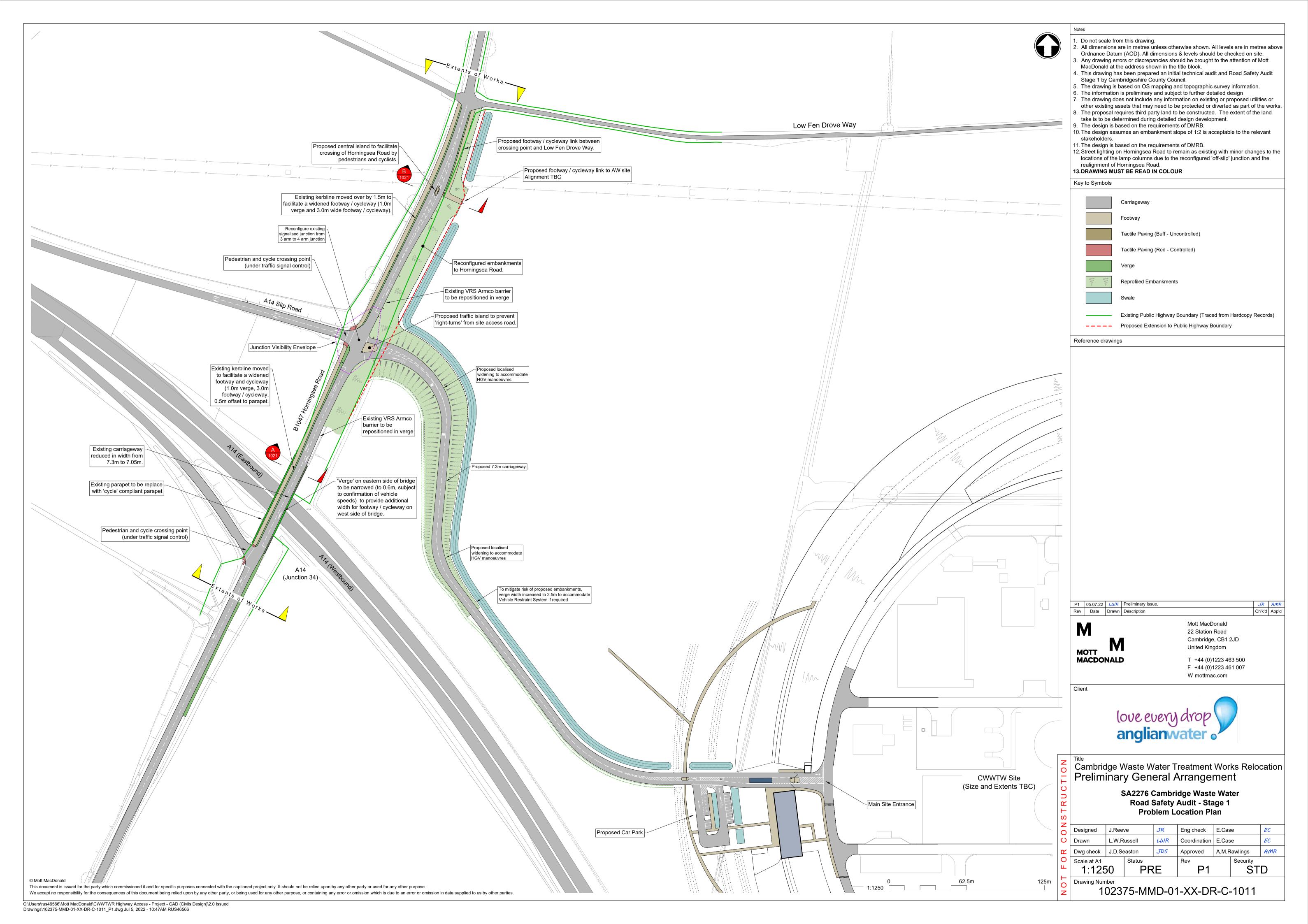
Peter Taylor Road Safety Audit Team Leader Road Safety Engineering Team Cambridgeshire County Council Signed -----

Date 25<sup>th</sup> November 2022

Gill Wharton Road Safety Audit Team Member Road Safety Engineering Team Cambridgeshire County Council

Signed

Date 25/11/2022





## Get in touch

#### You can contact us by:



Emailing at info@cwwtpr.com



Calling our Freephone information line on 0808 196 1661



Writing to us at Freepost: CWWTPR

You can view all our DCO application documents and updates on the application on The Planning Inspectorate website:

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