

Cambridge Waste Water Treatment Plant Relocation Project Anglian Water Services Limited

Appendix 17.3: Construction Noise Assessment

Application Document Reference: 5.4.17.3 PINS Project Reference: WW010003 APFP Regulation No. 5(2)a

Revision No. 02 April 2024



Document Control

| Document title | Noise and Vibration, Construction Noise Assessment |
|-----------------------------|--|
| Version No. | 0 <u>2</u> 1 |
| Date Approved | 28.01.23 |
| Date 1 st Issued | 30.01.23 |

Version History

| Version | Date | Author | Checker | Approver | Description of change |
|-----------|-----------------|--------|---------|----------|--|
| 01 | 30.01.23 | - | - | - | DCO Submission |
| <u>02</u> | <u>12.04.24</u> | = | = | : | Minor amendments to construction traffic values in Table 1-5 for DL7 submission |

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.



Contents

| 1 | Nois | se and Vibration, Construction Noise Assessment | 1 |
|---|------|---|---|
| 1 | .1 | Construction Noise Assessment | 1 |

Tables

| Table 1-1: Construction noise activities | |
|--|--|
| Table 1-2: Construction activities noise assumptions | |
| Table 1-3: Construction noise representative receptors | |
| Table 1-4: Construction predicted noise levels | |
| Table 1-5: Construction traffic parameters | |



1 Noise and Vibration, Construction Noise Assessment

1.1 Construction Noise Assessment

Construction activities

1.1.1 Construction plant, equipment and methodology are as detailed within the Chapter2: Project Description for the purposes of assessment of noise and vibration impacts.The following table summarised activities for key aspect of the construction works.

Table 1-1: Construction noise activities

| Activity | Duration | Working hours | Activity noise level, dB L _{Aeq,T} at 10m |
|--|------------|--|--|
| Proposed WWTP | | | |
| Proposed WWTP Phase 1 Enabling works (establish compound, topsoil strip, prepare earthwork embankment) | 3.5 months | Core, Exceptional (concrete pours, abnormal load deliveries) | 86 |
| Proposed WWTP Phase 2 Enabling works (Earthworks, access road, Horningsea Road junction works) | 3.5 months | | 86 |
| Proposed WWTP (Compound and area external to earth bank area) | 48 months | | 83 |
| Proposed WWTP Water Recycling and STC (area within earth bank area) | 48 months | | 88 |
| Final effluent transfer and our | tfall | | |
| Enabling, Construct access / haul road | 4 weeks | Core | 79 |
| Enabling, Setup of site hoarding and compounds | 4 weeks | | 84 |
| Excavate Outfall Trench and FE pipe installation | 4 months | | 79 |
| Outfall, Construct cofferdam and river bank improvements | 4 months | | 78 |
| Outfall, Construct cofferdam and river bank improvements [Piling] | 3 weeks | | 86 |
| Transfer tunnelling | | | |
| Enabling, Construct access / haul road | 2 months | Core | 79 |
| Enabling, Setup of site hoarding and compounds | 2 months | Core | 84 |



| Activity | Duration | Working hours | Activity noise level, dB L _{Aeq,T} at 10m |
|--|---|---|--|
| Excavate, construction and works at intercept Shaft 1,2 | 12 months | Core, Exceptional (concrete pours, abnormal load deliveries) | 79 |
| Excavate and construct Shaft 3 | 3 months | Core | 78 |
| Excavate and construct Shaft 4 | 3 months | Core | 78 |
| Excavate and construct Shaft 5 | 3 months | Core | 78 |
| Construction of TPS shaft | 6 months | Core, Exceptional (concrete pours, abnormal load deliveries) | 82 |
| Tunnelling (Tunnel drives from Shaft 3 and Shaft 5) | 5 months | Continuous 24/7 | 80 |
| Shaft Dewatering (Receive shaft dormant while pipe- jacking) | Up to 9 months | Continuous 24/7 | 69 |
| Recover MTBM at receive shaft | 5 days | Core | 74 |
| Waterbeach pipeline | | | |
| Enabling, Construct access / haul road | 4 weeks | Core | 79 |
| Enabling, Setup of site hoarding and compounds | 4 weeks | Core | 84 |
| Compound | > 40 days. | Core, | 77 |
| | Assumed 12 months | Assumed 24/7 for site generators | |
| Horizontal Directional Drilling | Worst case 4 weeks per HDD for larger crossings (e.g. at A14 crossing and River Cam, to include setup and demobilisation per site). Shorter durations for road and smaller HDD drill shots. | Continuous 24/7 during drill shot | 88 |
| Excavation Trench and Install | Waterbeach to Low Fen Drove - 12 months | Core | 79 |
| Pipe | Low Fen Drove to A14 - 2 months | | |
| | A14 to existing WWTP - 3 months | | |
| | Assumed 45-50m pipeline installation per day. | | |
| Decommissioning | | | |
| Decommissioning activities | 4 months | Core, Exceptional (concrete pours, abnormal load deliveries) | 80 |



1.1.2 Construction plant type and utilisation assumptions for each activity are described in the following table. These assumptions have been developed based on the anticipated works and used to calculate noise levels from construction activities at the representative receptor locations using BS5228-1 methodology.



BS5228-1 Activity Equipment **Plant noise** % on-time Quantity level, dB L_{Aeq,T} Ref at 10m Proposed WWTP D6 and D9 Dozers C2.10 80 50 5 Proposed WWTP Phase 1 Enabling N/A 73 50 4 25t Dumper works (establish N/A 35t Dumper 75 50 4 compound, topsoil 35t Excavator C2.16 75 40 2 strip, prepare earthwork 20t Excavator C2.25 69 40 2 embankment) 12t Roller C5.25 75 20 3 Towed Roller C5.25 75 20 2 **Diesel bowsers** N/A N/A N/A 1 Deliveries, Lorry / C11.10 77 10 2 Dump Truck D6 and D9 Dozers C2.10 80 50 4 Proposed WWTP Phase 2 Enabling 3 25t Dumper N/A 73 50 works (Earthworks, N/A 3 35t Dumper 75 50 access road, 35t Excavator C2.16 75 40 2 Horningsea Road junction works) 20t Excavator C2.25 40 4 69 12t Roller C5.25 75 20 3 Towed Roller C5.25 75 50 2 Mobile crane C4.43 70 50 2 Wheeled C4.66 69 40 3 excavator N/A 9t Dumper 63 50 4 Mobile access C4.57 50 2 67 platform C5.31 Tarmac paver 77 25 1 Deliveries, Lorry / 2 C11.10 77 10 Dump Truck 35t Excavator C2.16 75 40 1 Proposed WWTP (Compound and 20t Excavator C2.25 69 40 1 external to N/A 73 50 2 25t Dumper earthbank area) D6 Dozer C2.10 80 50 1 12t Roller C5.25 75 20 1 1 30t Crawler Crane C4.43 70 50 Site generator C4.84 74 100 1 3 Deliveries, Lorry / C11.10 77 10 Dump Truck Concrete batching N/A 78 80 1 plant and generator

Table 1-22: Construction activities noise assumptions



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|---|--|-----------------|---|-----------|----------|
| Proposed WWTP | 50t Crawler Crane | C4.39 | 77 | 50 | 1 |
| Water Recycling and STC (Within earthbank area) | 30t Crawler Crane | C4.43 | 70 | 50 | 3 |
| | 50t Tower Crane | C4.48 | 76 | 50 | 3 |
| | 20t Excavator | C2.25 | 69 | 40 | 8 |
| | 12t Excavator / 9t Excavator | C2.25 | 69 | 40 | 5 |
| | Wheeled excavator | C4.66 | 69 | 40 | 2 |
| | 12t Dump trucks / 6t Dump trucks | C11.10 | 77 | 50 | 10 |
| | 12t Roller | C5.25 | 75 | 25 | 4 |
| | Compressors | C5.5 | 65 | 50 | 16 |
| | Site generator | C4.84 | 74 | 100 | 1 |
| | Tool generator | C4.84 | 74 | 20 | 10 |
| | Concrete pump | C4.18 | 75 | 50 | 1 |
| | Telehandler | C2.35 | 71 | 50 | 4 |
| | Sheet piling hammer attachment | C3.8 | 88 | 10 | 1 |
| | Deliveries, Lorry / Dump Truck | C11.10 | 77 | 10 | 10 |
| Final effluent transfer | and outfall | | | | |
| Enabling, Construct | 30t Excavator | C2.16 | 75 | 40 | 1 |
| access / haul road | Vibratory compactor | C5.29 | 82 | 30 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Cement mixer truck (discharging) | C4.18 | 75 | 25 | 1 |
| Enabling, Setup of site hoarding and compounds | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Hydraulic hammer rig | C3.2 | 87 | 20 | 1 |
| | Tracked excavator | C2.3 | 78 | 100 | 1 |
| | Electric hammer drill | N/A | 75 | 15 | 1 |
| | Electric saw | N/A | 80 | 10 | 1 |
| | Wheeled loader (loading lorry) | C6.33 | 82 | 25 | 1 |



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|--|-------------------------------|-----------------|---|-----------|----------|
| | Handheld cordless nail gun | C4.95 | 73 | 20 | 1 |
| | Mobile crane | C5.37 | 76 | 50 | 1 |
| Excavate Outfall | Excavator 50t | C4.63 | 77 | 40 | 1 |
| Excavate Outfall Trench and FE pipe installation | Excavator 30t | C2.16 | 75 | 40 | 1 |
| | Excavator 17t | C2.25 | 69 | 40 | 1 |
| | Crawler crane | C5.37 | 76 | 20 | 1 |
| | 12t Dumper | C4.4 & C4.5 | 72 | 40 | 1 |
| | Pipe deliveries | C11.10 | 77 | 10 | 1 |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Pumps and settlement tank | C2.45 | 65 | 80 | 1 |
| | Roller | C5.25 | 75 | 20 | 1 |
| | Stone deliveries | C11.10 | 77 | 10 | 1 |
| Outfall, Construct | Excavator 30t | C2.16 | 75 | 40 | 1 |
| cofferdam and river | Excavator 4t | C3.20 | 68 | 40 | 1 |
| bank improvements | 10t Dumper | C4.4 & C4.5 | 72 | 40 | 1 |
| | Mobile crane | C5.37 | 76 | 20 | 1 |
| | Pumps and settlement tank | C2.45 | 65 | 80 | 1 |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Concrete pump | C3.25 | 78 | 25 | 1 |
| | Concrete mixer truck | C4.32 | 78 | 10 | 1 |
| Outfall, Construct | Excavator 30t | C2.16 | 75 | 40 | 1 |
| cofferdam and river | Excavator 4t | C3.20 | 68 | 40 | 1 |
| bank improvements [Piling] | 10t Dumper | C4.4 & C4.5 | 72 | 40 | 1 |
| | Piling rig (impact) | C3.1 | 89 | 25 | 1 |
| | Sheet piling | C3.8 | 88 | 25 | 1 |
| | Mobile crane | C5.37 | 76 | 20 | 1 |
| | Pumps and settlement tank | C2.45 | 65 | 80 | 1 |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Concrete pump | C3.25 | 78 | 25 | 1 |
| | Concrete mixer truck | C4.32 | 78 | 10 | 1 |
| Transfer tunnelling | | | | | |
| Enabling, Construct | 30t Excavator | C2.16 | 75 | 40 | 1 |
| access / haul road | Vibratory compactor | C5.29 | 82 | 30 | 1 |



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|--------------------------------------|---|-----------------|---|-----------|----------|
| | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Cement mixer truck (discharging) | C4.18 | 75 | 25 | 1 |
| Enabling, Setup of site hoarding and | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| compounds | Hydraulic hammer rig | C3.2 | 87 | 20 | 1 |
| | Tracked excavator | C2.3 | 78 | 100 | 1 |
| | Electric hammer drill | N/A | 75 | 15 | 1 |
| | Electric saw | N/A | 80 | 10 | 1 |
| | Wheeled loader (loading lorry) | C6.33 | 82 | 25 | 1 |
| | Handheld cordless nail gun | C4.95 | 73 | 20 | 1 |
| | Mobile crane | C5.37 | 76 | 50 | 1 |
| Excavate, | 22t Excavator | N/A | 73 | 50 | 1 |
| construction and | Telescopic grab | N/A | 71 | 15 | 1 |
| works at intercept Shaft 1,2 | 9t excavator | C2.7 | 70 | 25 | 1 |
| | 22t Mobile Crane | C5.37 | 76 | 50 | 1 |
| | Concrete Pump | C3.25 | 78 | 25 | 1 |
| | Spoil Wagon / Dump Truck | C11.10 | 77 | 10 | 2 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 1 |
| | Settlement tank | N/A | N/A | N/A | 1 |
| | Diesel generator 250kVA | C4.78 | 66 | 80 | 1 |
| | Concrete Truck | C4.32 | 78 | 20 | 1 |
| | Compressor | C5.5 | 65 | 50 | 1 |
| | Over pumping equipment including Generator | C4.78 | 66 | 100 | 1 |
| Excavate and | 30t Excavator | C2.16 | 75 | 40 | 2 |
| construct Shaft 3 | 5t Excavator | C2.7 | 70 | 50 | 1 |
| | Mobile crane | C5.37 | 76 | 50 | 1 |



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|---------------------|--------------------------------|-----------------|---|-----------|----------|
| | Spoil Wagon / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 1 |
| | Settlement tank | N/A | N/A | N/A | 1 |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 5 | 1 |
| Excavate and | 30t Excavator | C2.16 | 75 | 40 | 2 |
| construct Shaft 4 | 5t Excavator | C2.7 | 70 | 50 | 1 |
| | Mobile crane | C5.37 | 76 | 50 | 1 |
| | Spoil Wagon / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 1 |
| | Settlement tank | N/A | | | |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 5 | 1 |
| Excavate and | 30t Excavator | C2.16 | 75 | 40 | 2 |
| construct Shaft 5 | 5t Excavator | C2.7 | 70 | 50 | 1 |
| | Mobile crane | C5.37 | 76 | 50 | 1 |
| | Spoil Wagon / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 1 |
| | Settlement tank | N/A | N/A | N/A | 1 |
| | Diesel generator | C4.78 | 66 | 80 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 5 | 1 |
| Construction of TPS | 22t Excavator | N/A | 73 | 50 | 1 |
| shaft | 16t Excavator | C2.7 | 70 | 50 | 2 |
| | 80t Crawler | C4.39 | 77 | 50 | 1 |
| | 50t Crawler Crane | C4.43 | 70 | 50 | 1 |
| | Drilling rig for tension piles | C3.16 | 79 | 20 | 1 |
| | Spoil Wagon / Dump Truck | C11.10 | 77 | 10 | 3 |



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|---|----------------------------|-----------------|---|-----------|----------|
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 2 |
| | Settlement tank | N/A | N/A | N/A | 1 |
| | Diesel generator 250KVA | C4.78 | 66 | 80 | 1 |
| | Concrete Truck | C4.32 | 78 | 20 | 3 |
| | 180 and 260 compressors | C5.5 | 65 | 50 | 2 |
| | Concrete Pump | C3.25 | 78 | 25 | 1 |
| Tunnelling (Tunnel | 30t Excavator | C2.16 | 75 | 25 | 1 |
| drives from Shaft 3 | 5t Excavator | C2.7 | 70 | 25 | 1 |
| and Shaft 5) | Mobile crane | C5.37 | 76 | 20 | 1 |
| | Pipejack rig | C2.44 | 77 | 100 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 10 | 2 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |
| | Dewatering pump | C2.45 | 65 | 100 | 1 |
| | Settlement tank | N/A | N/A | N/A | 1 |
| | Diesel generator | C4.78 | 66 | 100 | 1 |
| | Concrete mixer truck | C4.32 | 78 | 10 | 1 |
| Shaft Dewatering | Dewatering pump | C2.45 | 65 | 100 | 1 |
| (Receive shaft dormant while pipe- jacking) | Diesel generator | C4.78 | 66 | 100 | 1 |
| Recover MTBM at | Mobile crane | N/A | 69 | 25 | 1 |
| receive shaft | 30t Excavator | C2.16 | 75 | 40 | 1 |
| | 5t Excavator | C2.7 | 70 | 50 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| Waterbeach pipeline | | | | | |
| Enabling, Construct | 30t Excavator | C2.16 | 75 | 40 | 1 |
| access / haul road | Vibratory compactor | C5.29 | 82 | 30 | 1 |
| | Lorry / Dump Truck | C11.10 | 77 | 10 | 1 |
| | Telescopic handler | C2.35 | 71 | 15 | 1 |



| Cement mixer truck (discharging) C4.18 75 25 1 Enabling, Setup of site hoarding and compounds Lorry / Dump Truck C11.10 77 10 1 Hydraulic hammer rig C3.2 87 20 1 Tracked excavator C2.3 78 100 1 Electric hammer drill N/A 75 15 1 Electric saw N/A 80 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Mobile crane C5.37 76 50 1 Compound Truck C6.33 82 25 1 Mobile crane C5.37 76 50 1 Compound Telescopic C2.35 71 15 1 Meeled loader (loading lorry) C6.33 82 25 1 Directional Drilling rig Directional drill C4.78 66 80 1 Meeled loader (loading lorry) C4.92 87 < | ctivity E | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|--|-----------------|---------------------------|-----------------|---|-----------|----------|
| Site hoarding and compounds Truck Hydraulic hammer rig C3.2 87 20 1 Tracked excavator C2.3 78 100 1 Electric hammer drill N/A 75 15 1 Electric saw N/A 80 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Handheld cordless (loading lorry) C4.95 73 20 1 Mobile crane C5.37 76 50 1 Compound Lorry / Dump Truck C6.33 82 25 1 Wheeled loader (loading lorry) C6.33 82 25 1 Urory / Dump Truck C1.10 77 10 1 Horizontal Directional Drilling Directional C4.92 87 100 1 But fusion machine N/A 75 20 1 Surry cleaning N/A 75 20 1 But fusion machine C2.45 65 80 <td>t</td> <td>truck</td> <td>C4.18</td> <td>75</td> <td>25</td> <td>1</td> | t | truck | C4.18 | 75 | 25 | 1 |
| Instruction Construction Construction </td <td>e hoarding and</td> <td></td> <td>C11.10</td> <td>77</td> <td>10</td> <td>1</td> | e hoarding and | | C11.10 | 77 | 10 | 1 |
| Electric hammer drill N/A 75 15 1 Electric saw N/A 80 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Handheld cordless and gun C4.95 73 20 1 Mobile crane C5.37 76 50 1 Compound Lorry / Dump Truck C11.10 77 10 1 Mobile crane C3.33 82 25 1 Ioang log C6.33 82 25 1 Ioang log C6.33 82 25 1 Ioandler C6.33 82 25 1 Ioandler C2.35 71 15 1 Directional Drilling Directional C4.92 87 100 1 Generator for machine C4.96 77 100 1 Butt fusion machine N/A 78 100 1 Excavation Trench and Install Pipe Excavator S0T C4.63 | | • | C3.2 | 87 | 20 | 1 |
| drill Electric saw N/A 80 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Wheeled loader (loading lorry) C6.33 82 25 1 Handheld cordless nail gun C4.95 73 20 1 Mobile crane C5.37 76 50 1 Compound Lorry / Dump C1.10 77 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Wheeled loader (loading lorry) C2.35 71 15 1 Telescopic (loading lorry) C2.35 71 15 1 Directional Drilling rig Directional C4.92 87 100 1 Butf fusion machine N/A 78 100 1 Butt fusion machine N/A 75 20 1 Pumps and settlement tank C2.45 65 80 1 Facavator 30T C2.16 75 40 1 </td <td>1</td> <td>Fracked excavator</td> <td>C2.3</td> <td>78</td> <td>100</td> <td>1</td> | 1 | Fracked excavator | C2.3 | 78 | 100 | 1 |
| Wheeled loader (loading lorry) C6.33 82 25 1 Handheld cordless nall gun C4.95 73 20 1 Mobile crane C5.37 76 50 1 Compound Lorry / Dump Truck C6.33 82 25 1 Wheeled loader (loading lorry) C6.33 82 25 1 Telescopic handler C6.33 82 25 1 Disel generator C4.78 66 80 1 Directional Drilling rig Directional drill C4.92 87 100 1 Slurry cleaning N/A 78 100 1 But fusion machine N/A 75 20 1 Pumps and settlement tank C2.45 65 80 1 Excavator 30T C2.16 75 40 1 Excavator 17T C2.25 69 40 1 Excavator 30T C2.16 75 40 1 Excavator 17T < | | | N/A | 75 | 15 | 1 |
| Image: | Ē | Electric saw | N/A | 80 | 10 | 1 |
| nail gun Mobile crane C5.37 76 50 1 Compound Lorry / Dump Truck C11.10 77 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Wheeled loader (loading lorry) C2.35 71 15 1 Telescopic handler C4.78 66 80 1 Direst generator C4.92 87 100 1 Directional Drilling rig C4.92 87 100 1 Generator for directional drill C4.96 77 100 1 Slurry cleaning N/A 78 100 1 Butt fusion machine N/A 75 20 1 Fxcavation Trench and Install Pipe Excavator S0T C4.63 77 40 1 Excavator 17T C2.25 69 40 1 Crawler crane C5.37 76 20 1 Torawler crane C5.37 76 20 1 <td></td> <td></td> <td>C6.33</td> <td>82</td> <td>25</td> <td>1</td> | | | C6.33 | 82 | 25 | 1 |
| Compound Lorry / Dump Truck C11.10 77 10 1 Wheeled loader (loading lorry) C6.33 82 25 1 Wheeled loader (loading lorry) C6.33 82 25 1 Telescopic handler C2.35 71 15 1 Diesel generator C4.78 66 80 1 Horizontal Directional Drilling Directional Drilling rig C4.92 87 100 1 Generator for directional drill C4.96 77 100 1 Slurry cleaning N/A 78 100 1 Butt fusion machine N/A 75 20 1 Pumps and settlement tank C2.45 65 80 1 Excavator TFrench and Install Pipe Excavator 50T C4.63 77 40 1 Excavator 17T C2.25 69 40 1 Crawler crane C5.37 76 20 1 The eliveries C11.10 77 10 | | | C4.95 | 73 | 20 | 1 |
| Truck Truck Wheeled loader (loading lorry) C6.33 82 25 1 Telescopic handler C2.35 71 15 1 Diesel generator C4.78 66 80 1 Directional Drilling Directional Drilling rig Directional directional drill C4.92 87 100 1 Slurry cleaning N/A 78 100 1 Butt fusion machine N/A 75 20 1 Pumps and settlement tank C2.45 65 80 1 Excavator SOT C4.63 77 40 1 Excavator 17T C2.25 69 40 1 Excavator 30T C2.16 75 40 1 Excavator 17T C2.25 69 40 1 It crawler crane C5.37 76 20 1 It crawler crane C5.37 76 20 1 It crawler crane C5.37 76 20 1 | 1 | Mobile crane | C5.37 | 76 | 50 | 1 |
| (loading lorry) Telescopic handler C2.35 71 15 1 Disel generator C4.78 66 80 1 Horizontal Directional Drilling Directional Drilling rig Directional C4.92 87 100 1 Generator for directional drill C4.96 77 100 1 Slurry cleaning N/A 78 100 1 Butt fusion machine N/A 75 20 1 Fxcavation Trench and Install Pipe Excavator 50T C4.63 77 40 1 Excavator 17T C2.25 69 40 1 Excavator 17T C2.25 69 40 1 Crawler crane C5.37 76 20 1 12T Dumper C4.4 & C4.5 72 40 1 Pipe deliveries C11.10 77 10 1 Directional pipe C4.78 66 80 1 | Inpound | | C11.10 | 77 | 10 | 1 |
| handlerDiesel generatorC4.7866801Horizontal Directional DrillingDirectional Drilling rigC4.92871001Generator for directional drillC4.96771001Slurry cleaningN/A781001Butt fusion machineN/A75201Pumps and settlement tankC2.4565801Excavation Trench and Install PipeExcavator 50TC4.6377401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps and C2.45C2.4565801 | | | C6.33 | 82 | 25 | 1 |
| Horizontal Directional DrillingDirectional Drilling rigC4.92871001Generator for directional drillC4.96771001Slurry cleaningN/A781001Butt fusion machineN/A75201Pumps and settlement tankC2.4565801Excavation Trench and Install PipeExcavator 50TC4.6377401Excavator 30TC2.1675401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps and C2.45C2.4565801 | | | C2.35 | 71 | 15 | 1 |
| Directional DrillingDrilling rigGenerator for directional drillC4.96771001Slurry cleaningN/A781001Butt fusion machineN/A75201Pumps and settlement tankC2.4565801Excavation Trench and Install PipeExcavator 50TC4.6377401Excavator 30TC2.1675401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801 | ſ | Diesel generator | C4.78 | 66 | 80 | 1 |
| directional drillSlurry cleaningN/A781001Butt fusion machineN/A75201Pumps and settlement tankC2.4565801Excavator 50TC4.6377401Excavator 30TC2.1675401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Diesel generatorC4.7866801Pumps and C2.45C2.4565801 | 112011(01 | | C4.92 | 87 | 100 | 1 |
| Butt fusion machineN/A75201Pumps and settlement tankC2.4565801Excavation Trench and Install PipeExcavator 50TC4.6377401Excavator 30TC2.1675401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps andC2.4565801 | | | C4.96 | 77 | 100 | 1 |
| machinePumps and settlement tankC2.4565801Excavation Trench and Install PipeExcavator 50TC4.6377401Excavator 30TC2.1675401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps andC2.4565801 | 5 | Slurry cleaning | N/A | 78 | 100 | 1 |
| settlement tankExcavation Trench and Install PipeExcavator 50TC4.6377401Excavator 30TC2.1675401Excavator 17TC2.2569401Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps andC2.4565801 | | | N/A | 75 | 20 | 1 |
| and Install Pipe Excavator 30T C2.16 75 40 1 Excavator 17T C2.25 69 40 1 Crawler crane C5.37 76 20 1 12T Dumper C4.4 & C4.5 72 40 1 Pipe deliveries C11.10 77 10 1 Diesel generator C4.78 66 80 1 Pumps and C2.45 65 80 1 | | | C2.45 | 65 | 80 | 1 |
| Excavator 17T C2.25 69 40 1 Crawler crane C5.37 76 20 1 12T Dumper C4.4 & C4.5 72 40 1 Pipe deliveries C11.10 77 10 1 Diesel generator C4.78 66 80 1 Pumps and C2.45 65 80 1 | cavation Trench | Excavator 50T | C4.63 | 77 | 40 | 1 |
| Crawler craneC5.377620112T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps andC2.4565801 | d Install Pipe | Excavator 30T | C2.16 | 75 | 40 | 1 |
| 12T DumperC4.4 & C4.572401Pipe deliveriesC11.1077101Diesel generatorC4.7866801Pumps andC2.4565801 | E | Excavator 17T | C2.25 | 69 | 40 | 1 |
| Pipe deliveries C11.10 77 10 1 Diesel generator C4.78 66 80 1 Pumps and C2.45 65 80 1 | (| Crawler crane | C5.37 | 76 | 20 | 1 |
| Diesel generator C4.78 66 80 1 Pumps and C2.45 65 80 1 | 1 | 12T Dumper | C4.4 & C4.5 | 72 | 40 | 1 |
| Pumps and C2.45 65 80 1 | F | Pipe deliveries | C11.10 | 77 | 10 | 1 |
| | [| Diesel generator | C4.78 | 66 | 80 | 1 |
| settiement tank | | Pumps and settlement tank | C2.45 | 65 | 80 | 1 |
| Roller C5.25 75 20 1 | F | Roller | C5.25 | 75 | 20 | 1 |



| Activity | Equipment | BS5228-1 Ref | Plant noise level, dB L _{Aeq,T} at 10m | % on-time | Quantity |
|-----------------|-------------------|-----------------|---|-----------|----------|
| | Stone deliveries | C11.10 | 77 | 10 | 1 |
| Decommissioning | | | | | |
| Decommissioning | 22t Excavator | N/A | 73 | 50 | 2 |
| activities | 10t dump truck | C11.10 | 77 | 10 | 4 |
| | 20t mobile crane | C5.37 | 76 | 50 | 1 |
| | Grab wagon | C11.10 | 77 | 10 | 1 |
| | Diesel pump | C4.88 | 68 | 75 | 2 |
| | Diesel bowser | N/A | N/A | N/A | 1 |
| | 180 deg excavator | C4.66 | 69 | 40 | 1 |
| | 5t dumper | C4.57 | 67 | 50 | 2 |
| | Sludge tankers | C11.10 | 77 | 10 | 3 |

Representative receptors

1.1.3 Representative receptors have been selected for assessment of construction noise. These locations are described in the following table. Receptors are shown in Volume 3, Figure 17.2.



Table 1-3: Construction noise representative receptors

| ID | | | Baseline | | | | | | | | | | | | | |
|-----|--|---------------------------|--------------------------|---|--|---|---|-------------------------------|-----------------------------|---|--|--|--|--|--|--|
| | receptor | (BNG) | noise level source | Weekday Early Morning (07:00 – 08:00) | Weekday Daytime (08:00 – 19:00) | Saturday Morning (08:00 – 13:00) | Saturday Afternoon (13:00 – 22:00) | Evening (19:00 – 22:00) | Night (22:00 – 07:00) | Sunday Daytime (07:00 – 19:00) | | | | | | |
| RC1 | Receptors on northern extent of Capper Road, Waterbeach | 550213, 266240 | ST-5 * | 48 | 50 | 47 | 48 | 46 | 43 | 45 | | | | | | |
| RC2 | Receptors on eastern extent of Capper Road, Waterbeach | 550352 <i>,</i> 266179 | ST-5 | 50 | 52 | 49 | 50 | 48 | 45 | 47 | | | | | | |
| RC3 | Receptors on Bannold Road, Waterbeach | 550339 <i>,</i> 265860 | ST-5 | 50 | 52 | 49 | 50 | 48 | 45 | 47 | | | | | | |
| RC4 | Lock Farm, Long Drove, Waterbeach | 550778, 265812 | ST-5 | 50 | 52 | 49 | 50 | 48 | 45 | 47 | | | | | | |
| RC5 | The Cottage, Burgess Drove, Waterbeach | 550523, 265719 | ST-5 | 50 | 52 | 49 | 50 | 48 | 45 | 47 | | | | | | |
| RC6 | 1 Burgess Drove, Waterbeach | 550326, 265294 | ST-4 | 48 | 50 | 47 | 48 | 46 | 43 | 45 | | | | | | |
| RC7 | Cam Sailing Club | 550333 <i>,</i> 264890 | ST-4 | 48 | 50 | 47 | 48 | 46 | 43 | 45 | | | | | | |
| RC8 | Cambridge Motor Boat Club | 550227 <i>,</i> 264643 | ST-4 | 48 | 50 | 47 | 48 | 46 | 43 | 45 | | | | | | |
| RC9 | Receptors in Clayhithe Road, Horningsea | 550241, 264347 | ST-4 | 48 | 50 | 47 | 48 | 46 | 43 | 45 | | | | | | |



| ID | Representative | X, Y | Baseline | Representative ambient noise level, dB L _{Aeq,T} | | | | | | | | | | | | |
|------|--|---------------------------|--------------------------|---|--|---|---|-------------------------------|-----------------------------|---|--|--|--|--|--|--|
| | receptor | (BNG) | noise level source | Weekday Early Morning (07:00 – 08:00) | Weekday Daytime (08:00 – 19:00) | Saturday Morning (08:00 – 13:00) | Saturday Afternoon (13:00 – 22:00) | Evening (19:00 – 22:00) | Night (22:00 – 07:00) | Sunday Daytime (07:00 – 19:00) | | | | | | |
| RC10 | Receptors along Clayhithe Road between Clayhithe and Horningsea | 549823, 263230 | LT-4 ** | 50 | 52 | 49 | 50 | 48 | 48 | 47 | | | | | | |
| RC11 | Receptors at northern end of Horningsea | 549565, 262808 | LT-4 ** | 50 | 52 | 49 | 50 | 48 | 48 | 47 | | | | | | |
| RC12 | Rear of properties at High Street, Horningsea | 549381 <i>,</i> 262408 | LT-4 | 50 | 52 | 49 | 50 | 48 | 48 | 47 | | | | | | |
| RC13 | Receptors on southern extent of Horningsea | 549276, 262147 | LT-4 | 50 | 52 | 49 | 50 | 48 | 48 | 47 | | | | | | |
| RC14 | Cowley Road, Cambridge | 547295, 261896 | ST-2 | 58 | 60 | 57 | 58 | 56 | 53 | 55 | | | | | | |
| RC15 | Biggin Abbey Cottages, Horningsea Road | 548720, 261717 | LT-3 | 60 | 62 | 59 | 59 | 59 | 58 | 57 | | | | | | |
| RC16 | Businesses at Cowley Road | 547106, 261643 | ST-1 | 64 | 66 | 63 | 64 | 62 | 59 | 61 | | | | | | |
| RC17 | Northern Bridge Farm, Fen Road | 548165, 261460 | LT-5 | 59 | 60 | 54 | 53 | 56 | 56 | 56 | | | | | | |
| RC18 | Businesses at Orwell Furlong | 547028, 261425 | ST-1 | 64 | 66 | 63 | 64 | 62 | 59 | 61 | | | | | | |
| RC19 | Poplar Hall, Horningsea Road | 548517, 261372 | LT-5 | 59 | 60 | 54 | 53 | 56 | 56 | 56 | | | | | | |



| ID | Representative | Х, Ү | Baseline | Represent | ative ambie | ent noise le | vel, dB L _{Aeq,T} | | | |
|------|--|---------------------------|--------------------------|---|--|---|---|-------------------------------|-----------------------------|---|
| | receptor | (BNG) | noise level source | Weekday Early Morning (07:00 – 08:00) | Weekday Daytime (08:00 – 19:00) | Saturday Morning (08:00 – 13:00) | Saturday Afternoon (13:00 – 22:00) | Evening (19:00 – 22:00) | Night (22:00 – 07:00) | Sunday Daytime (07:00 – 19:00) |
| RC20 | Cambridge Gold Driving Range | 547148, 261330 | ST-1 ** | 58 | 60 | 57 | 58 | 56 | 53 | 55 |
| RC21 | Cambridge Business Park, Cowley Road | 547016, 261293 | ST-1 | 64 | 66 | 63 | 64 | 62 | 59 | 61 |
| RC22 | Red House Close, Green End | 548378, 261285 | LT-5 | 59 | 60 | 54 | 53 | 56 | 56 | 56 |
| RC23 | Fen Road (travellers site) | 548002, 261183 | LT-1 | 56 | 57 | 55 | 52 | 54 | 54 | 55 |
| RC24 | Receptors south of existing Cambridge WWTP | 546823, 261077 | ST-1 ** | 58 | 60 | 57 | 58 | 56 | 53 | 55 |
| RC25 | 38 Green End, Fen Ditton | 548372 <i>,</i> 261043 | LT-1 | 56 | 57 | 55 | 52 | 54 | 54 | 55 |
| RC26 | Gate House, Low Fen Drove | 550457, 260941 | LT-2 *** | 55 | 55 | 51 | 51 | 51 | 51 | 50 |
| RC27 | Receptors off Horningsea Road, Fen Ditton | 548802, 260809 | LT-1 | 56 | 57 | 55 | 52 | 54 | 54 | 55 |
| RC28 | Parsonage Farm, Low Fen Drove | 549807, 261561 | LT-4 | 50 | 52 | 49 | 50 | 48 | 48 | 47 |

* Correction has been applied (- 2 dBA) to account for the increased distance from the railway line at this location which presents the dominant noise source at this receptor location.

** Correction applied to account for distance from primary road traffic noise sources affecting measurement location with respect to receptor.

*** Correction applied for LT-2 proxy measurement location using verification measurement result as described in Application Document Reference 5.4.17.2 (Baseline Noise Report).



Results

- 1.1.4 Calculations have been completed at the representative receptor locations based on the maximum design scenario and the stated plant type and utilisation assumptions for all areas of the Proposed Development. Analysis and assessment of the results are provided within the ES Noise and Vibration Chapter.
- 1.1.5 All predictions are shown as free-field results and with embedded (primary and tertiary mitigation) where applicable. Calculations have been completed for distances up to 500m from construction work activities to include all representative receptors within the Study Area. Noise levels are only reported for receptors within 500m of the construction work activity. Receptors at greater distances would not be subject to adverse effects.

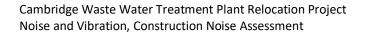




Table 1-4: Construction predicted noise levels

Calculated free-field receptor noise level, dB LAeq, T

| Activity | RC1 | RC2 | RC3 | RC4 | RC5 | RC6 | RC7 | RC8 | RC9 | RC10 | RC11 | RC12 | RC13 | RC14 | RC15 | RC16 | RC17 | RC18 | RC19 | RC20 | RC21 | RC22 | RC23 | RC24 | RC25 | RC26 | RC27 | RC28 |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Proposed WWTP Phase 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 53 |
| Enabling works | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proposed WWTP Phase 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 53 |
| Enabling works | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proposed WWTP Water | | | | | | | | | | | | | | | | | | | | | | | | | | 46 | 49 | 50 |
| Recycling and STC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Compound and external | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| to earth_bank area) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proposed WWTP Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 |
| Recycling and STC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Within earth_bank area) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FE Transfer and Outfall | | | | | | | | | | | | | | | 55 | | | | 43 | | | 39 | | | | | | |
| Enabling, Construct | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| access / haul road | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FE Transfer and Outfall | | | | | | | | | | | | | | | 52 | | 46 | | 47 | | | 45 | | | | | | |
| Enabling, Setup of site | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| hoarding and | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| compounds | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Excavate Outfall Trench | | | | | | | | | | | | | | | 52 | | | | 44 | | | 39 | | | | | | |
| and FE pipe installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outfall, Construct | | | | | | | | | | | | | | | 49 | | 41 | | 41 | | | 39 | | | | | | |
| cofferdam and river bank | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| improvements | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outfall, Construct | | | | | | | | | | | | | | | 53 | | 50 | | 50 | | | 48 | | | | | | |
| cofferdam and river bank | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| improvements [Piling] | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaft 1 and 2 – Enabling, | | | | | | | | | | | | | | 46 | | 55 | | 55 | | 55 | 50 | | | | | | | |
| Setup of site hoarding | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| and compounds | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaft 1 and 2 – Works at | | | | | | | | | | | | | | 41 | | 51 | | 50 | | 50 | 46 | | | | | | | |
| Shaft 1,2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Calculated free-field receptor noise level, dB LAeq, T 40 35 Shaft 1 and 2 – 30 40 39 Dewatering (Dormant while pipe-jacking) 36 45 45 Shaft 1 and 2 – Recover 45 40 MTBM Shaft 3 – Enabling, Setup 50 47 of site hoarding and compounds Shaft 3 – Excavate and 44 42 construct Shaft 3 – Tunnelling 46 43 (Drive from Shaft 3 to Shaft 2, and Drive from Shaft 3 to Shaft 4) Shaft 4 – Enabling, 43 54 60 39 48 Construct access / haul road Shaft 4 – Enabling, Setup 48 59 65 44 51 of site hoarding and compounds Shaft 4 – Excavate and 42 53 59 39 45 construct Shaft 4 – Dewatering 50 29 36 32 44 (Dormant while pipejacking) Shaft 4 – Recover MTBM 38 49 55 34 41 Shaft 5 – Enabling, 40 48 39 Construct access / haul road Shaft 5 – Enabling, Setup 45 44 51 of site hoarding and compounds Shaft 5 – Excavate and 39 38 48 construct Shaft 5 – Tunnelling 40 41 48 (Drive from Shaft 5 to



Calculated free-field receptor noise level, dB LAeq,T

| Shaft 4, and Drive from Shaft 5 to Terminal Pumping Station) | | | | | | | | | | | | - 12 | | | | | | | | | | | | | | | | |
|--|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TPS Shaft – Construction of TPS shaft | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TPS Shaft – Dewatering (Dormant while pipe- jacking) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TPS Shaft – Recover MTBM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waterbeach Pipeline, Enabling, Setup of site hoarding and compounds | 53 | 62 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waterbeach Pipeline, Compound | 46 | 55 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waterbeach Pipeline, Horizontal Directional Drilling | 55 | 63 | 59 | 55 | 65 | 55 | 59 | 50 | | | | | | | | | 67 | | 48 | | | 68 | 56 | | 59 | | 65 | 51 |
| Waterbeach Pipeline, Excavation Trench and Install Pipe | 49 | 59 | 49 | 45 | 69 | 61 | 51 | 46 | 70 | 53 | 54 | 49 | 46 | 53 | 39 | 53 | 58 | 44 | 49 | 43 | 41 | 66 | 46 | 35 | 55 | 28 | 60 | 42 |
| Decommissioning Existing WWTP | | | | | | | | | | | | | | 56 | | 48 | 48 | 59 | | 58 | 59 | 39 | 45 | 42 | | | | |
| Decommissioning Waterbeach WRC | 48 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | |



Construction traffic

1.1.6 A summary of construction traffic parameters used within assessment of noise impacts is provided in the following table.

| Road/route | Speed | Baseline | Baseline | Additional | Additional | Baseline | With | BNL |
|---|-------|----------|----------|--------------------------|--------------------------|----------|---------------------|---------------------|
| | | Flow, | % HGV | Construction | Construction | BNL, dBA | Construction | Increase, |
| | | AADT | | Cars/LDV | HGV | | Traffic BNL, | dBA |
| | | | | | | | dBA | |
| A14 | 112 | 65273 | 11.4 | 319 294 | 542 396 | 82.6 | 82.8 | +0.2 |
| A14 J34 Slip Road | 112 | 11454 | 13.0 | 258 267 | 370<u>360</u> | 75.3 | 75.8 | +0.5 |
| Horningsea Road (at main site access) | 61 | 5633 | 2.6 | 261<u>267</u> | 370<u>360</u> | 65.9 | 67. <mark>87</mark> | +1. <mark>98</mark> |
| Horningsea Road (at transfer tunnel access) | 61 | 5633 | 2.6 | 27 | 45 <u>40</u> | 65.9 | 66.2 | +0.3 |
| Denny End Road | 47 | 5515 | 5.5 | <u>1428</u> | 82 | 65.4 | 65.8 | +0.4 |
| Bannold Road | 37 | 2687 | 3.2 | <u>1428</u> | 82 | 60.7 | 61.9 | +1.2 |
| Car Dyke Road | 60 | 4249 | 4.0 | 14<u>28</u> | 82 | 65.0 | 65.5 | +0.5 |
| Clayhithe Road | 46 | 4319 | 2.4 | 14<u>28</u> | 82 | 63.2 | 63.9 | +0.7 |
| Burgess Road* | N/A | N/A | N/A | <u>1428</u> | 82 | N/A | N/A | N/A |
| A10 | 112 | 23731 | 6.1 | 12 28 | 82 | 71.8 | 71.9 | +0.1 |
| Cowley Road* | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Milton Road | 40 | 18963 | 4.4 | 47 <u>55</u> | 90 | 69.9 | 70.0 | +0.1 |
| Green End Road | 34 | 7682 | 5.6 | 14<u>28</u> | 90 | 66.0 | 66.5 | +0.5 |
| Fen Road | 33 | 4664 | 5.5 | <u>1428</u> | 90 | 63.8 | 64.5 | +0.7 |

Table 1-5: Construction traffic parameters

* Routes have very low existing flows



Get in touch

You can contact us by:



Emailing at info@cwwtpr.com

C

Calling our Freephone information line on **0808 196 1661**





Visiting our website at

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/cambri dge-waste-water-treatment-plant-relocation/

